

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030719\
 Data File : VD060972.D
 Acq On : 7 Mar 2019 16:58
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Mar 08 01:16:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	725670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1239061	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1008369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	457348	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	446120	74.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.84%	
35) Dibromofluoromethane	6.92	113	701909	71.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.18%	
50) Toluene-d8	10.40	98	1692748	68.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.32%	
62) 4-Bromofluorobenzene	13.55	95	676880	73.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.58	85	479227	60.248	ug/l 99
3) Chloromethane	1.76	50	401396	61.002	ug/l 98
4) Vinyl Chloride	1.86	62	387760	64.843	ug/l 97
5) Bromomethane	2.15	94	64921	62.306	ug/l 97
6) Chloroethane	2.26	64	117326	78.756	ug/l 91
7) Trichlorofluoromethane	2.53	101	550662	74.531	ug/l 98
8) Diethyl Ether	2.87	74	200420	64.086	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	638740	66.752	ug/l 98
10) Methyl Iodide	3.31	142	921083	81.308	ug/l 99
11) Tert butyl alcohol	4.05	59	155169	352.430	ug/l 98
12) 1,1-Dichloroethene	3.13	96	540034	66.547	ug/l 98
13) Acrolein	3.04	56	216779	359.432	ug/l 94
14) Allyl chloride	3.62	41	852139	63.474	ug/l 100
15) Acrylonitrile	4.19	53	501670	302.101	ug/l 97
16) Acetone	3.21	43	627454	320.303	ug/l 100
17) Carbon Disulfide	3.37	76	1807740	62.719	ug/l 100
18) Methyl Acetate	3.64	43	256508	63.743	ug/l 96
19) Methyl tert-butyl Ether	4.23	73	928910	64.352	ug/l 97
20) Methylene Chloride	3.82	84	577183	52.815	ug/l 97
21) trans-1,2-Dichloroethene	4.22	96	575910	64.569	ug/l 95
22) Diisopropyl ether	5.11	45	1789676	63.296	ug/l 99
23) Vinyl Acetate	5.06	43	4442984	299.859	ug/l 99
24) 1,1-Dichloroethane	4.98	63	944084	62.093	ug/l 98
25) 2-Butanone	6.06	43	733306	304.422	ug/l 99
26) 2,2-Dichloropropane	6.02	77	701366	62.075	ug/l 97
27) cis-1,2-Dichloroethene	6.03	96	588953	58.619	ug/l 97
28) Bromochloromethane	6.43	49	449290	71.112	ug/l 99
29) Tetrahydrofuran	6.44	42	407941	323.778	ug/l 99
30) Chloroform	6.66	83	943755	64.149	ug/l 99
31) Cyclohexane	6.96	56	747095	57.905	ug/l 97
32) 1,1,1-Trichloroethane	6.87	97	850225	67.190	ug/l 98
36) 1,1-Dichloropropene	7.14	75	733137	64.529	ug/l 98
37) Ethyl Acetate	6.17	43	364162	62.736	ug/l 97
38) Carbon Tetrachloride	7.10	117	861266	69.943	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	811274	65.519	ug/l	97
40) Benzene	7.45	78	1852928	63.204	ug/l	100
41) Methacrylonitrile	6.43	41	433639	104.220	ug/l	98
42) 1,2-Dichloroethane	7.58	62	556409	67.048	ug/l	98
43) Isopropyl Acetate	9.23	43	544620	67.422	ug/l	99
44) Trichloroethene	8.53	130	682528	68.613	ug/l	97
45) 1,2-Dichloropropane	8.93	63	489734	63.573	ug/l	99
46) Dibromomethane	9.05	93	312424	63.391	ug/l	97
47) Bromodichloromethane	9.37	83	717264	65.572	ug/l	99
48) Methyl methacrylate	9.11	41	291346	63.795	ug/l	98
49) 1,4-Dioxane	9.07	88	60536	1291.525	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	1527800	309.764	ug/l	96
52) Toluene	10.50	92	1157392	62.032	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	662183	66.629	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	785298	64.421	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	398172	64.543	ug/l	97
56) Ethyl methacrylate	11.03	69	424445	65.545	ug/l	98
57) 1,3-Dichloropropane	11.40	76	552499	61.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	1139518	328.657	ug/l	99
59) 2-Hexanone	11.52	43	1107149	319.897	ug/l	97
60) Dibromochloromethane	11.68	129	574916	64.504	ug/l	99
61) 1,2-Dibromoethane	11.80	107	461265	63.632	ug/l	97
64) Tetrachloroethene	11.25	164	505954	66.366	ug/l	99
65) Chlorobenzene	12.39	112	1345513	60.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	494376	61.886	ug/l	99
67) Ethyl Benzene	12.52	91	1965154	60.822	ug/l	99
68) m/p-Xylenes	12.67	106	1428540	110.252	ug/l	97
69) o-Xylene	13.04	106	777652	64.538	ug/l	96
70) Styrene	13.07	104	1246287	61.968	ug/l	98
71) Bromoform	13.23	173	340043	67.637	ug/l	98
73) Isopropylbenzene	13.39	105	2083688	59.611	ug/l	99
74) N-amyl acetate	13.26	43	671764	63.575	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	451255	62.210	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	458688	62.219	ug/l	100
77) Bromobenzene	13.67	156	575366	62.637	ug/l	96
78) n-propylbenzene	13.77	91	2555970	62.642	ug/l	97
79) 2-Chlorotoluene	13.84	91	1332139	58.329	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	1568926	58.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	145275	66.848	ug/l	95
82) 4-Chlorotoluene	13.95	91	1360896	53.058	ug/l	98
83) tert-Butylbenzene	14.18	119	1829836	60.862	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	1568926	58.091	ug/l	100
85) sec-Butylbenzene	14.36	105	2070393	59.011	ug/l	96
86) p-Isopropyltoluene	14.49	119	1735926	60.057	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1037113	66.425	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	994272	64.353	ug/l	99
89) n-Butylbenzene	14.79	91	1539555	56.911	ug/l	98
90) Hexachloroethane	15.00	117	531090	63.728	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	813900	59.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	55903	65.606	ug/l	69

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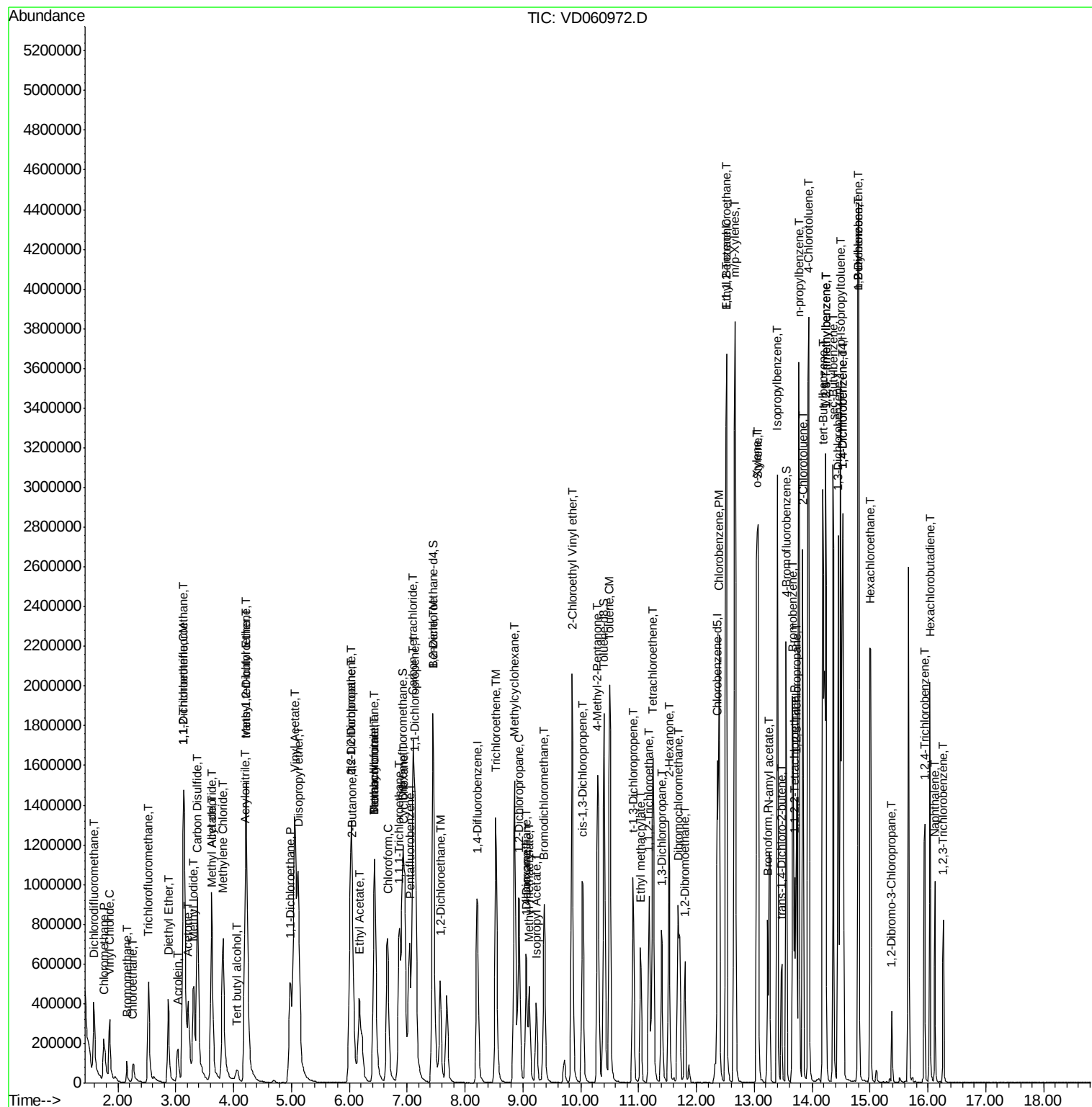
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	388006	50.516	ug/l	98
94) Hexachlorobutadiene	16.03	225	314772	64.110	ug/l	99
95) Naphthalene	16.12	128	608229	51.250	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	214202	51.410	ug/l	99

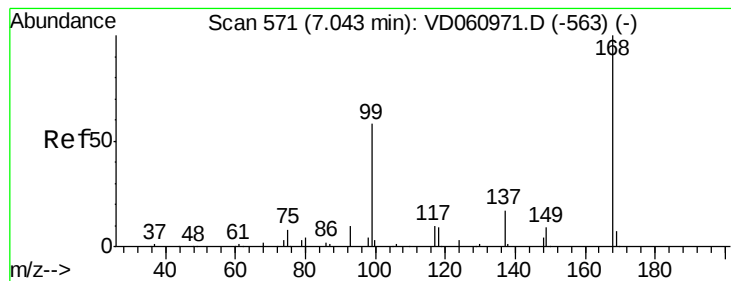
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD030719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

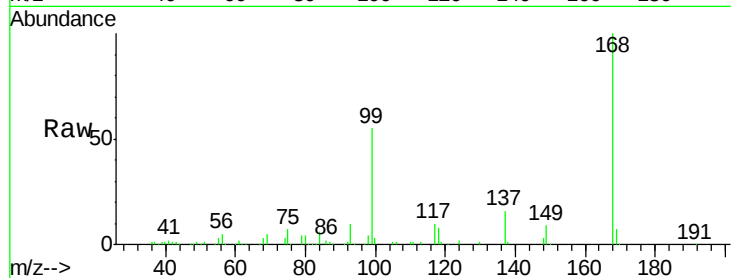
VSTDIC075

Tgt Ion:168 Resp: 725670

Ion Ratio Lower Upper

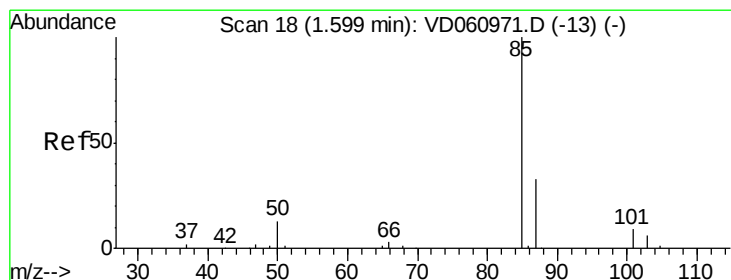
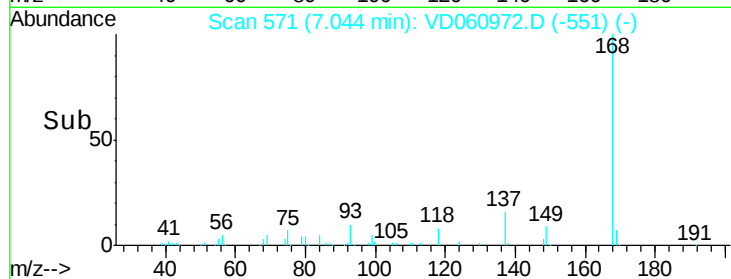
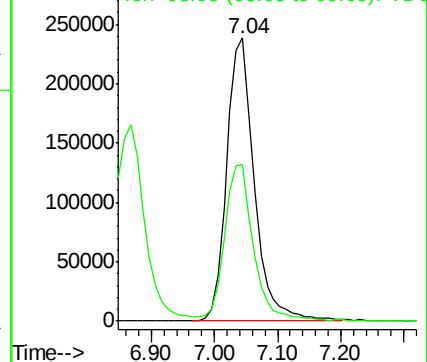
168 100

99 55.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 60.248 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD060972.D

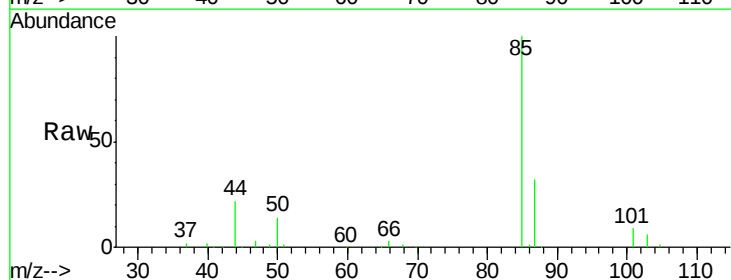
Acq: 7 Mar 2019 16:58

Tgt Ion: 85 Resp: 479227

Ion Ratio Lower Upper

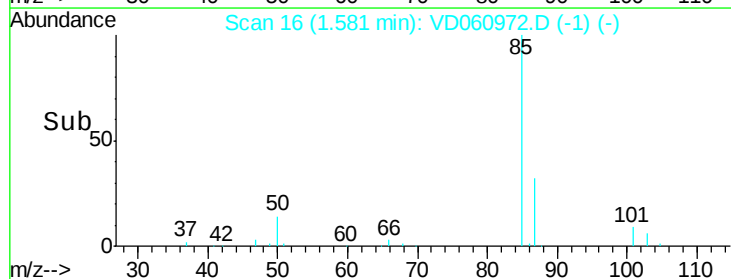
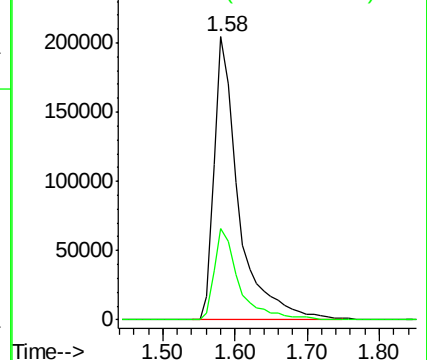
85 100

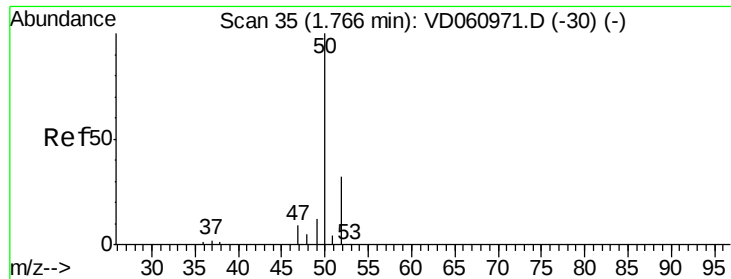
87 32.4 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 61.002 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

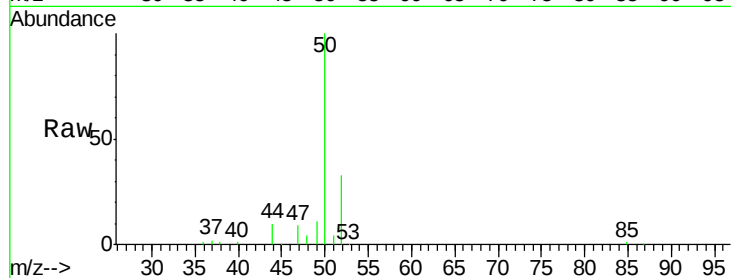
VSTDIC075

Tgt Ion: 50 Resp: 401396

Ion Ratio Lower Upper

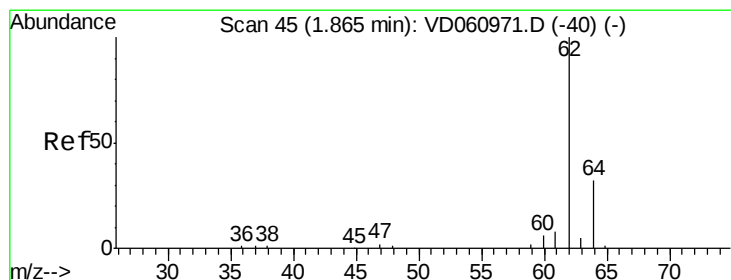
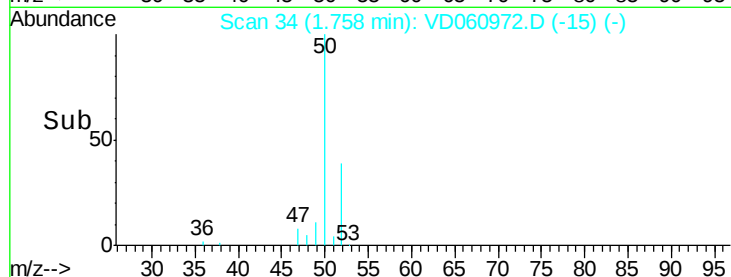
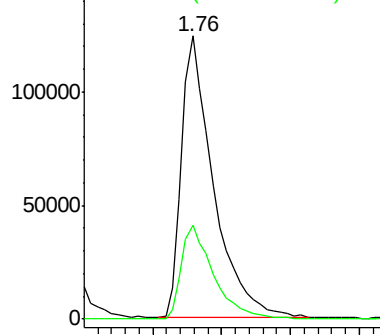
50 100

52 33.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 64.843 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060972.D

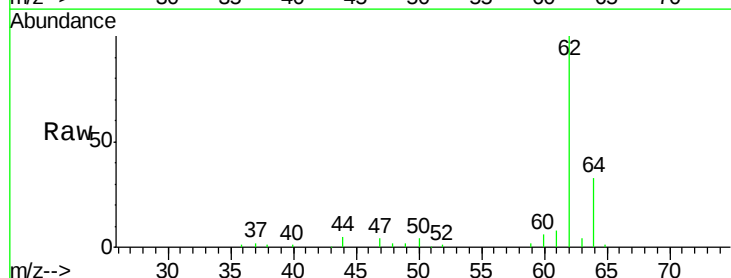
Acq: 7 Mar 2019 16:58

Tgt Ion: 62 Resp: 387760

Ion Ratio Lower Upper

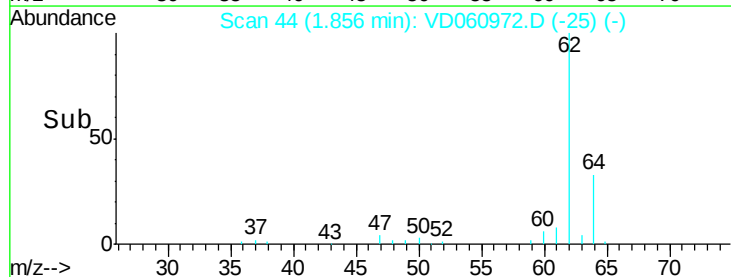
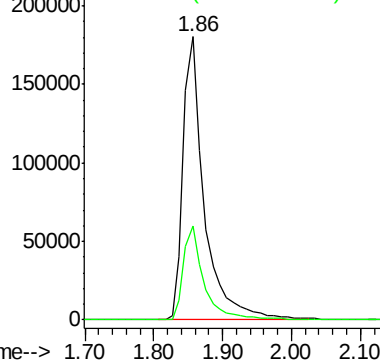
62 100

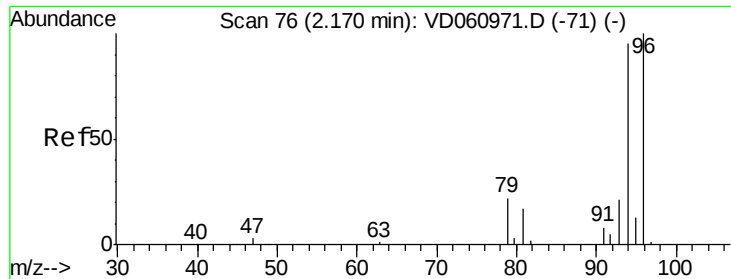
64 33.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.306 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

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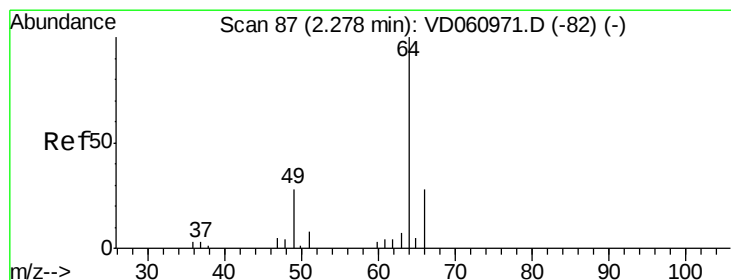
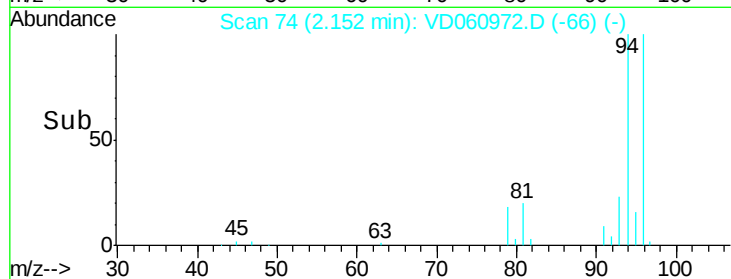
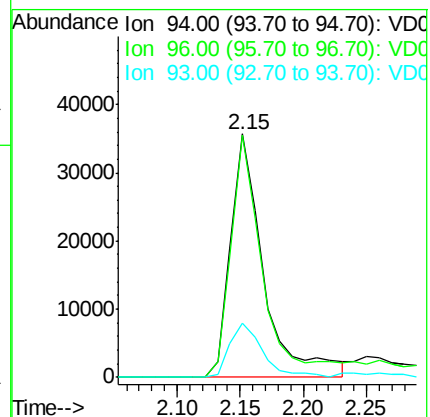
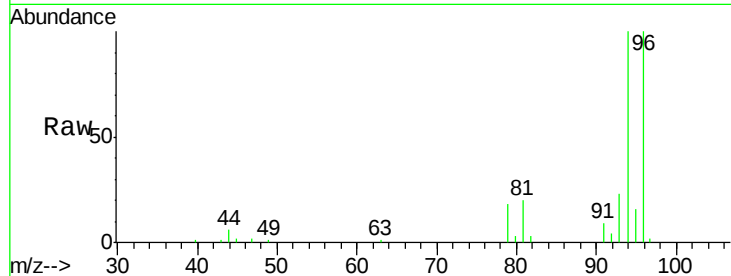
Tgt Ion: 94 Resp: 64921

Ion Ratio Lower Upper

94 100

96 101.4 84.0 126.0

93 22.5 17.3 25.9



#6

Chloroethane

Concen: 78.756 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD060972.D

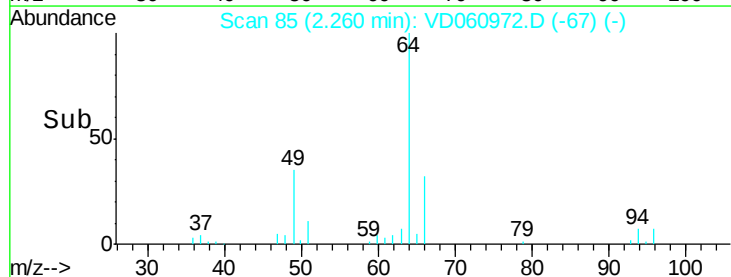
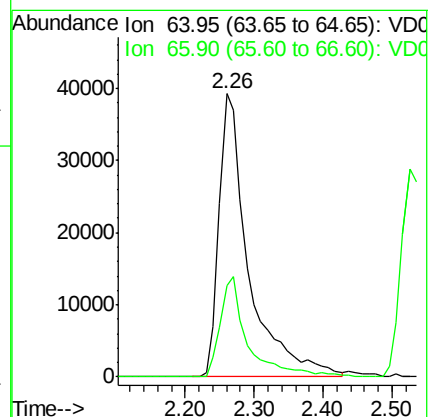
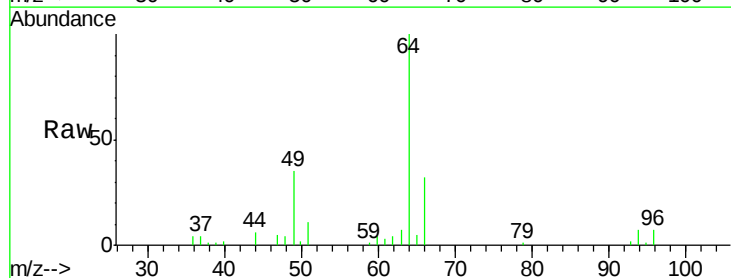
Acq: 7 Mar 2019 16:58

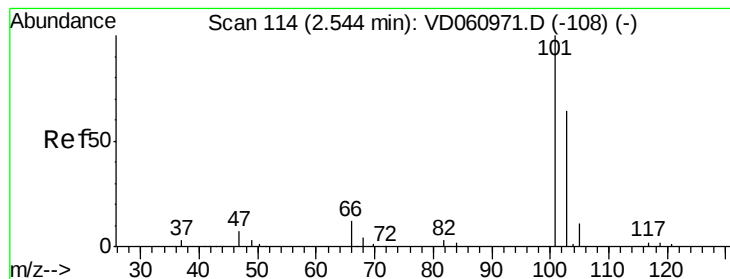
Tgt Ion: 64 Resp: 117326

Ion Ratio Lower Upper

64 100

66 32.4 22.2 33.2



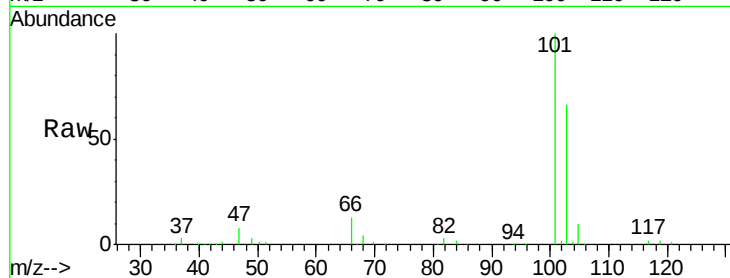


#7

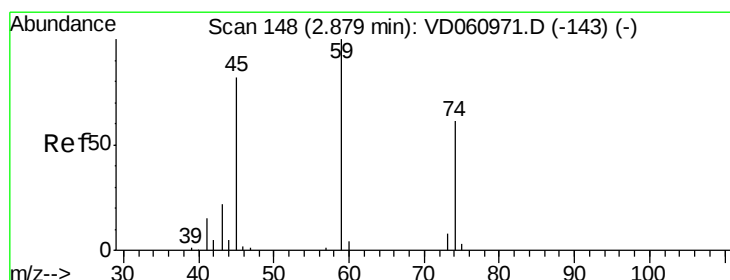
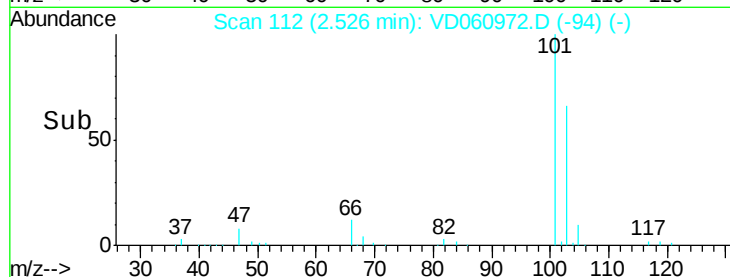
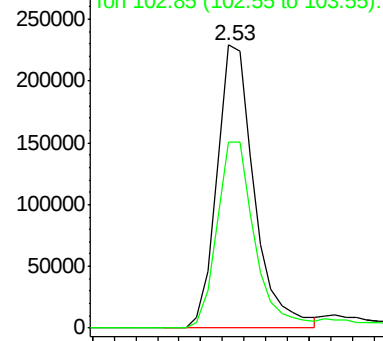
Trichlorofluoromethane
Concen: 74.531 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.02 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

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ClientSampleId :
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Tgt Ion:101 Resp: 550662
Ion Ratio Lower Upper
101 100
103 65.8 51.2 76.8



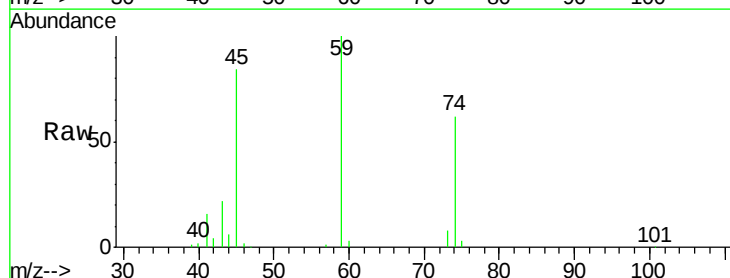
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



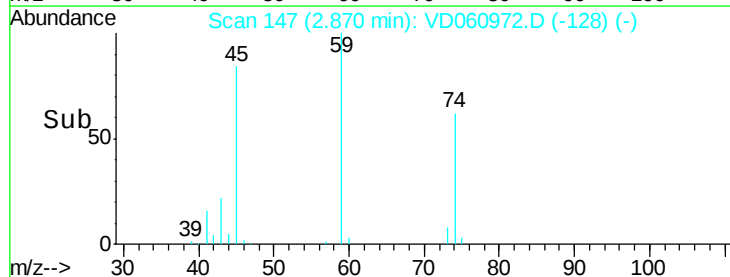
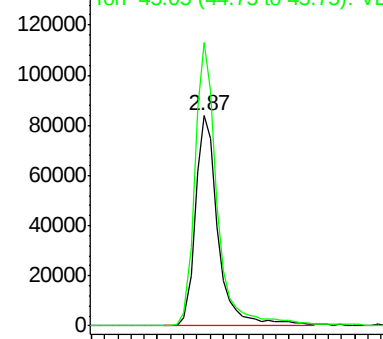
#8

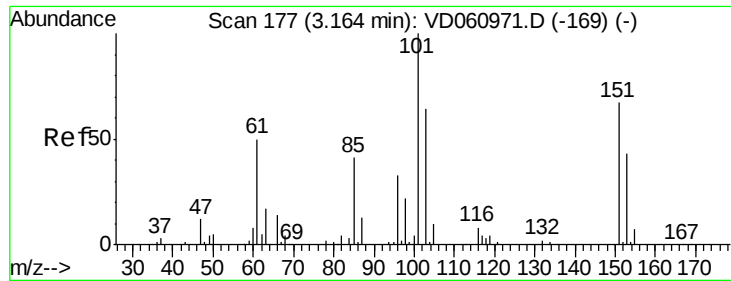
Diethyl Ether
Concen: 64.086 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD060972.D
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Tgt Ion: 74 Resp: 200420
Ion Ratio Lower Upper
74 100
45 134.9 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 66.752 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

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MSVOA_D

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VSTDIC075

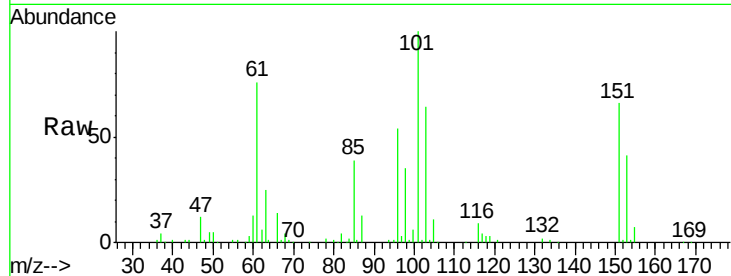
Tgt Ion:101 Resp: 638740

Ion Ratio Lower Upper

101 100

85 38.7 32.5 48.7

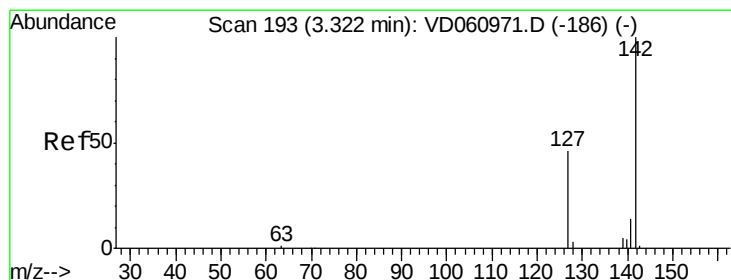
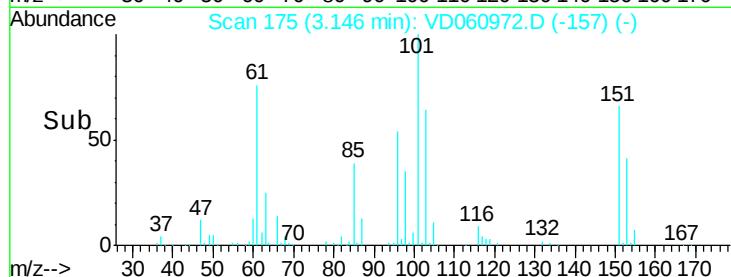
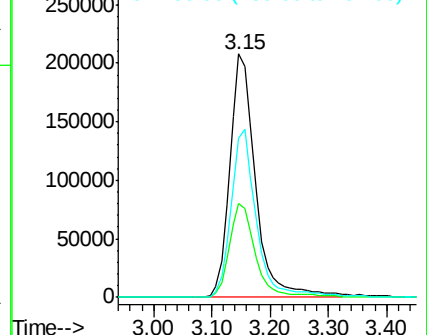
151 65.6 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 81.308 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

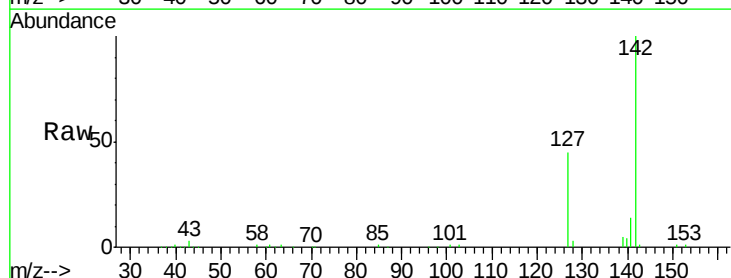
Tgt Ion:142 Resp: 921083

Ion Ratio Lower Upper

142 100

127 45.0 36.8 55.2

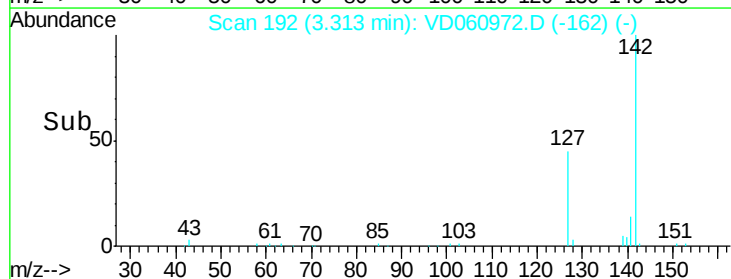
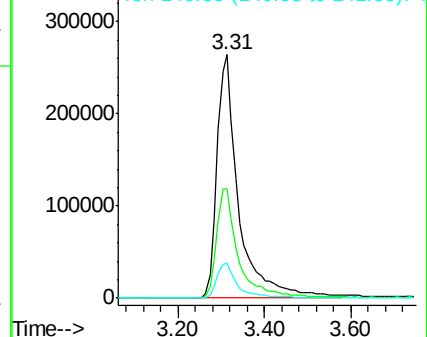
141 14.3 11.2 16.8

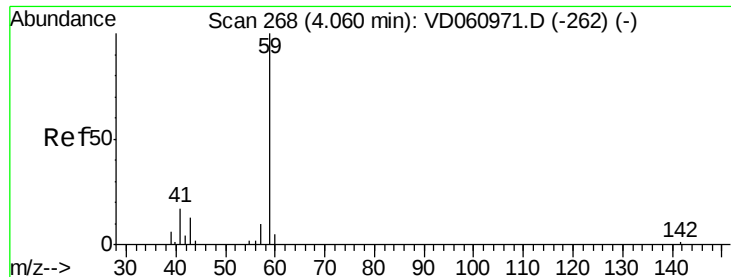


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 352.430 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

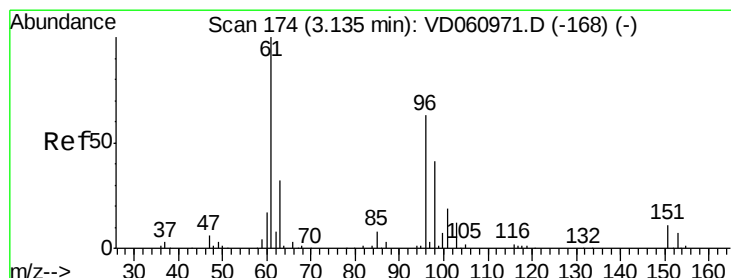
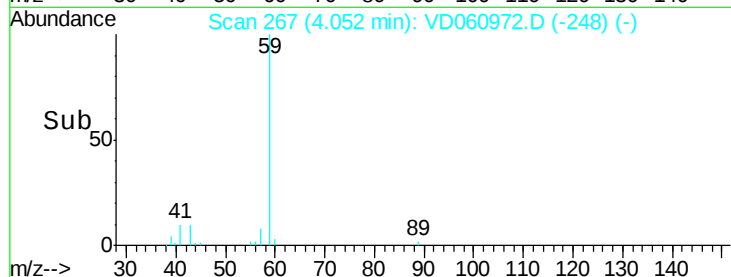
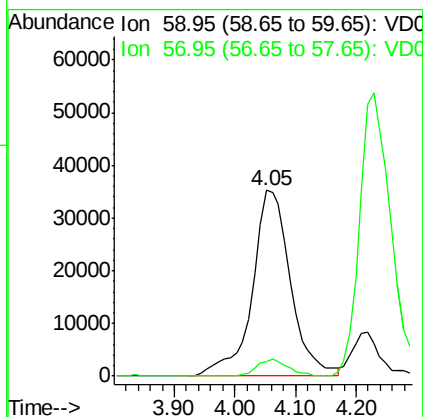
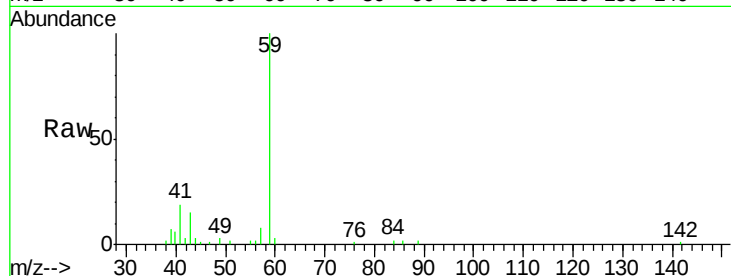
VSTDIC075

Tgt Ion: 59 Resp: 155169

Ion Ratio Lower Upper

59 100

57 8.1 7.1 10.7



#12

1,1-Dichloroethene

Concen: 66.547 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

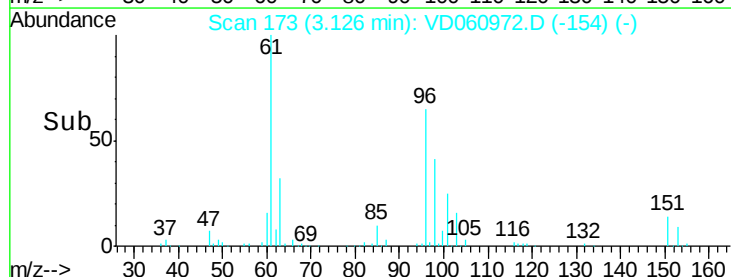
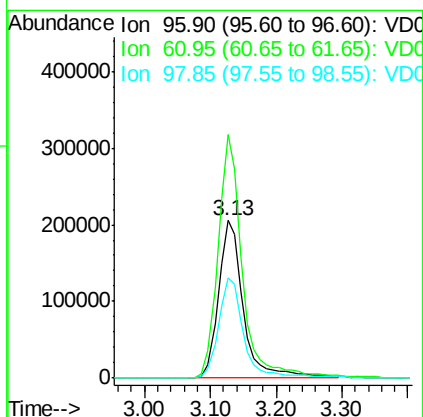
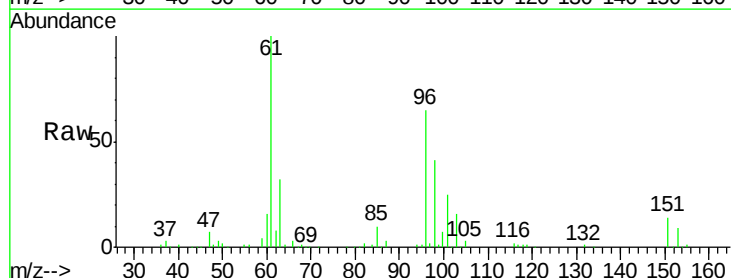
Tgt Ion: 96 Resp: 540034

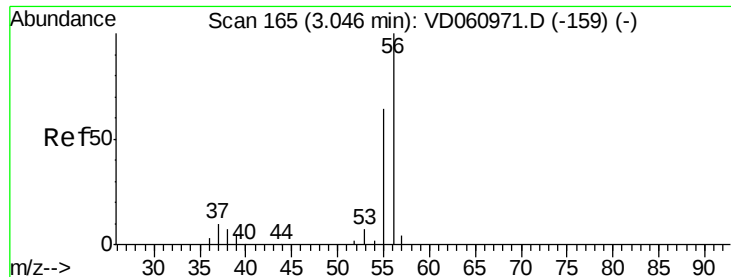
Ion Ratio Lower Upper

96 100

61 154.7 127.1 190.7

98 63.9 51.5 77.3





#13

Acrolein

Concen: 359.432 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

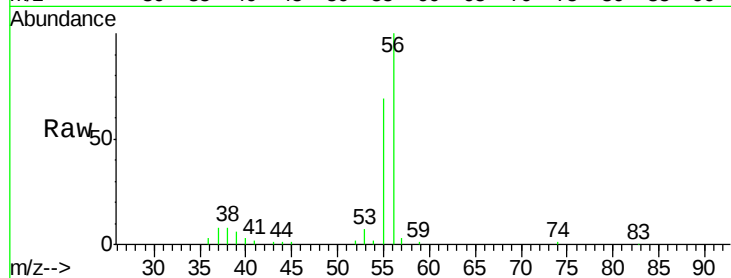
VSTDIC075

Tgt Ion: 56 Resp: 216779

Ion Ratio Lower Upper

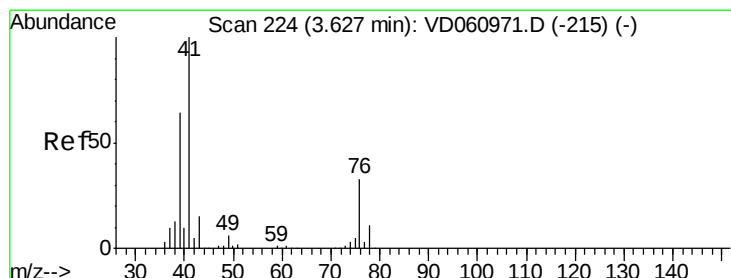
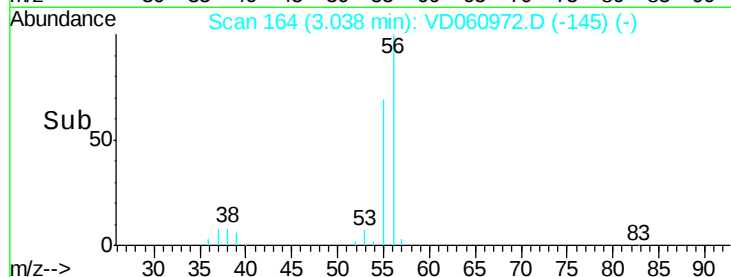
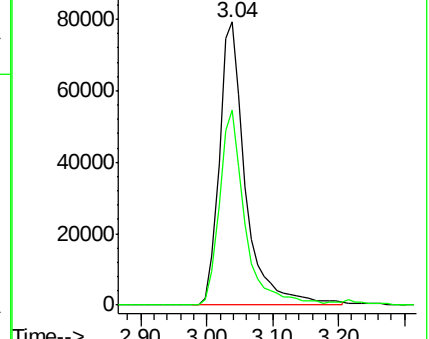
56 100

55 68.8 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 63.474 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

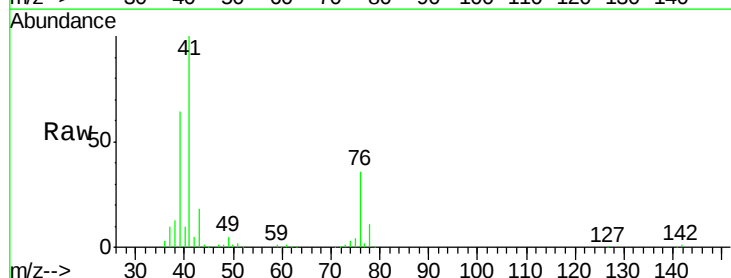
Tgt Ion: 41 Resp: 852139

Ion Ratio Lower Upper

41 100

39 64.1 51.1 76.7

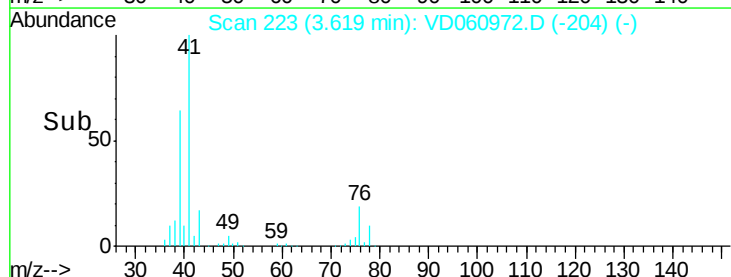
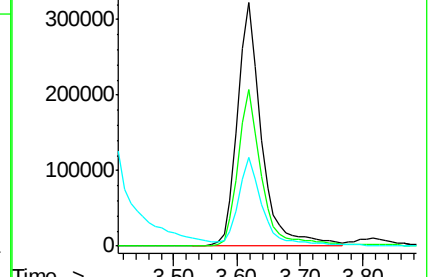
76 36.3 29.1 43.7

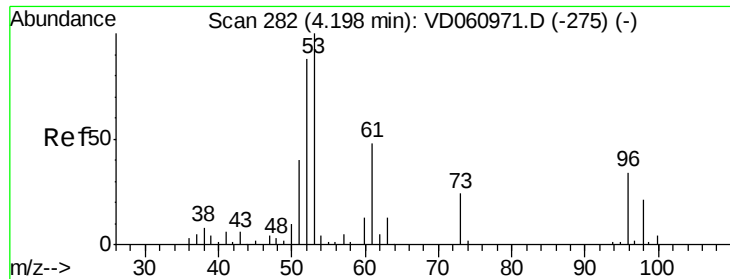


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 302.101 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

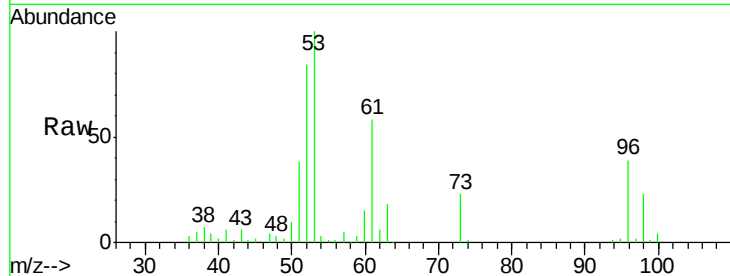
Tgt Ion: 53 Resp: 501670

Ion Ratio Lower Upper

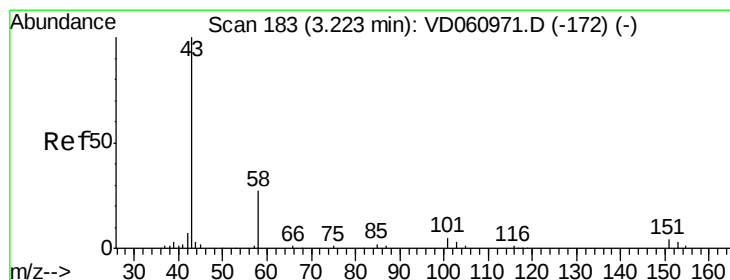
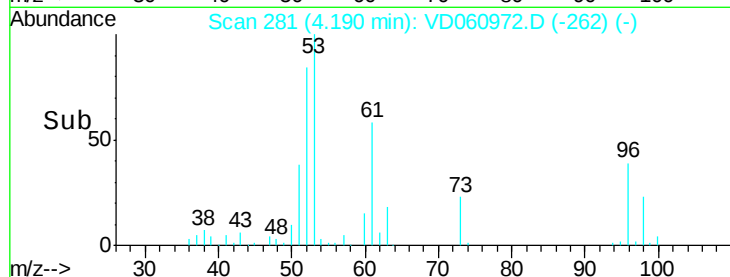
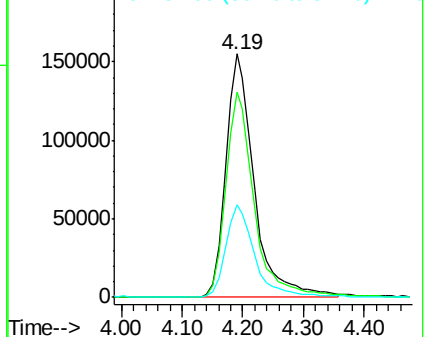
53 100

52 84.4 70.2 105.4

51 38.1 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 320.303 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD060972.D

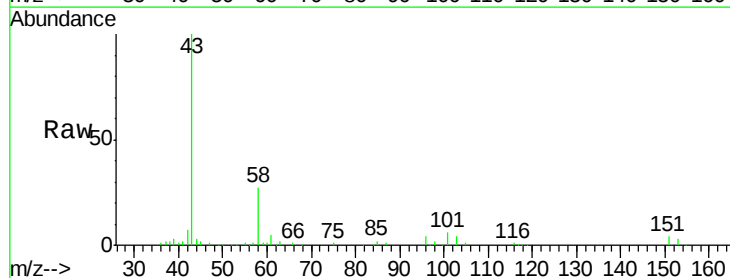
Acq: 7 Mar 2019 16:58

Tgt Ion: 43 Resp: 627454

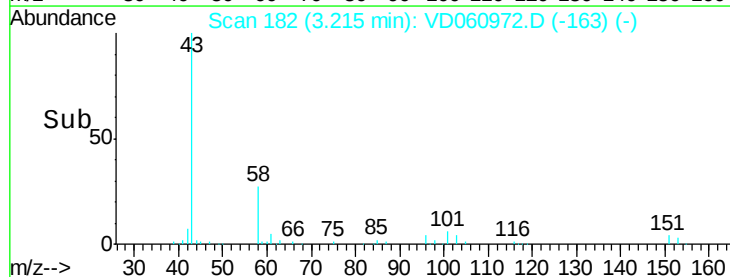
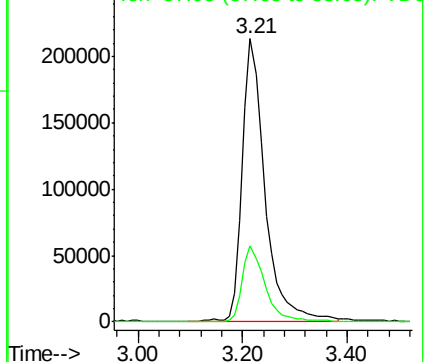
Ion Ratio Lower Upper

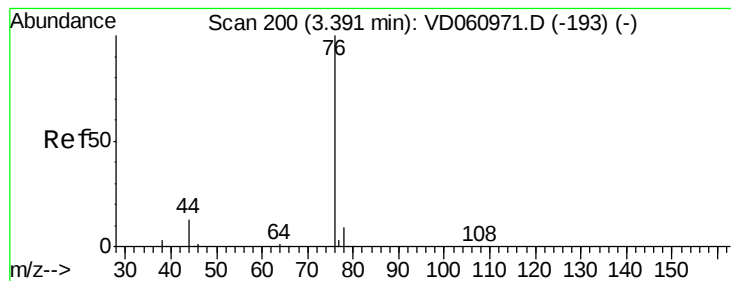
43 100

58 27.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 62.719 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

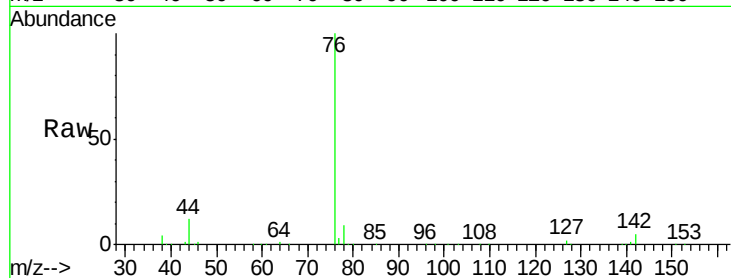
VSTDIC075

Tgt Ion: 76 Resp: 1807740

Ion Ratio Lower Upper

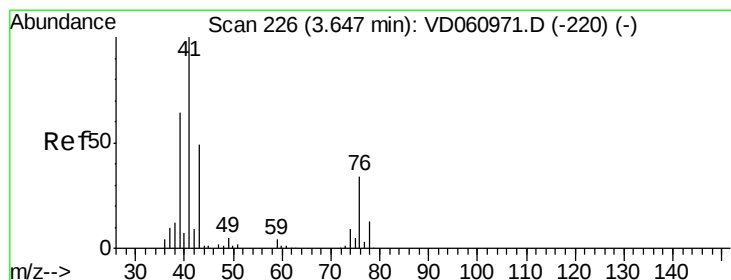
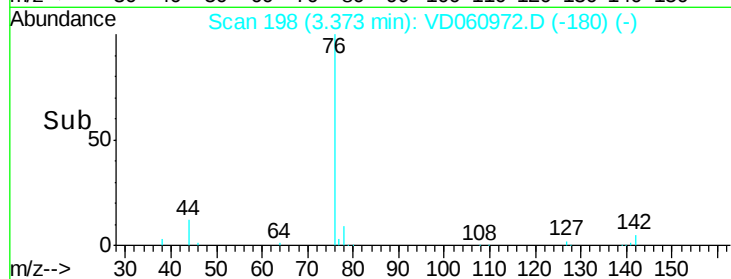
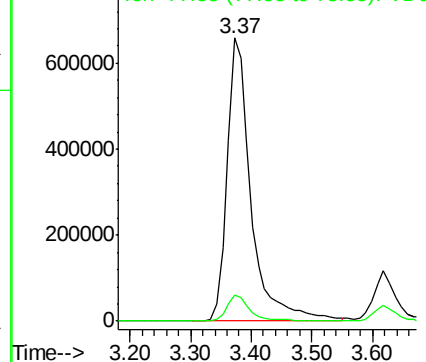
76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 63.743 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD060972.D

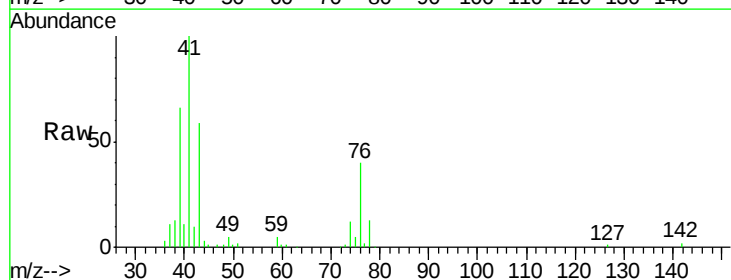
Acq: 7 Mar 2019 16:58

Tgt Ion: 43 Resp: 256508

Ion Ratio Lower Upper

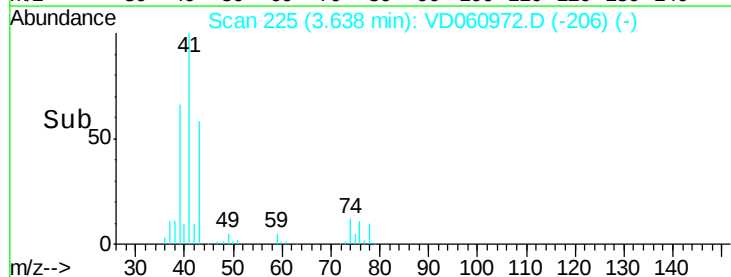
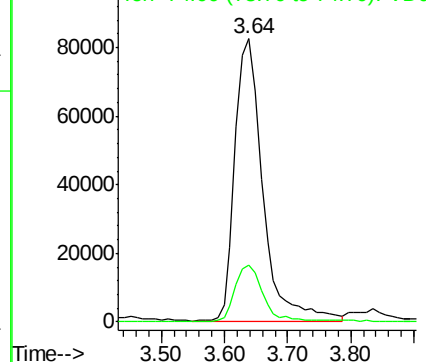
43 100

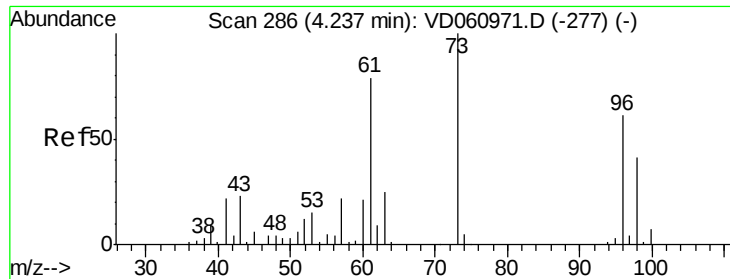
74 20.1 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

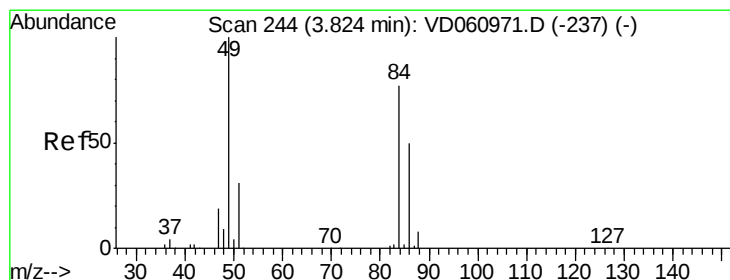
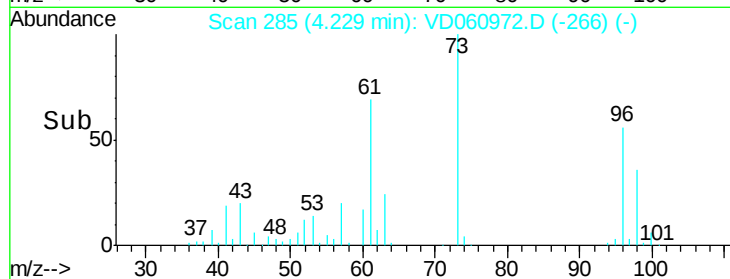
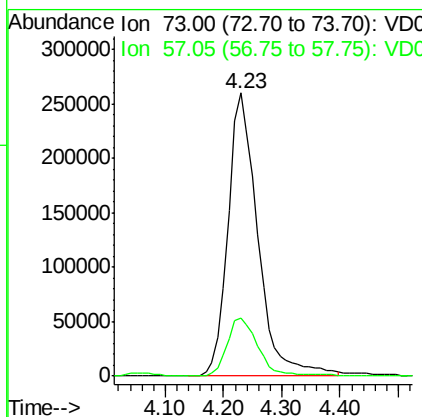
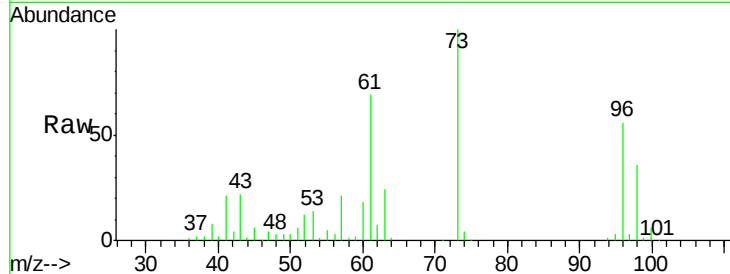




#19
Methyl tert-butyl Ether
Concen: 64.352 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

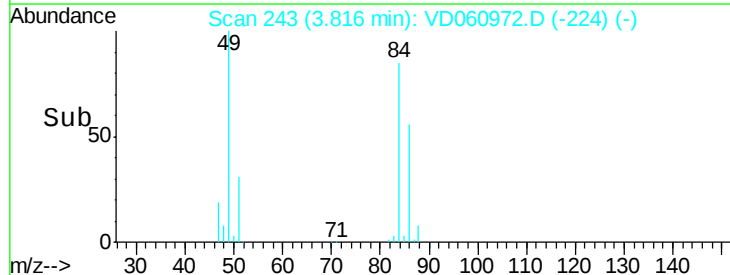
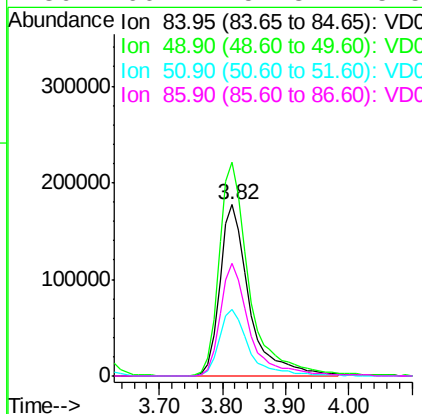
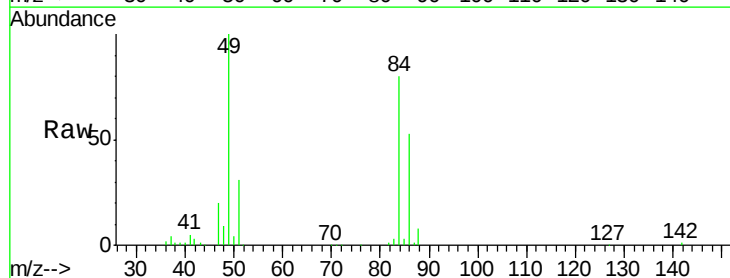
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

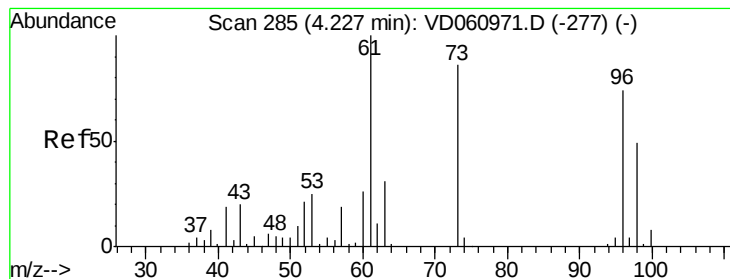
Tgt Ion: 73 Resp: 928910
Ion Ratio Lower Upper
73 100
57 20.6 17.7 26.5



#20
Methylene Chloride
Concen: 52.815 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion: 84 Resp: 577183
Ion Ratio Lower Upper
84 100
49 124.8 104.2 156.2
51 38.9 32.3 48.5
86 66.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 64.569 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

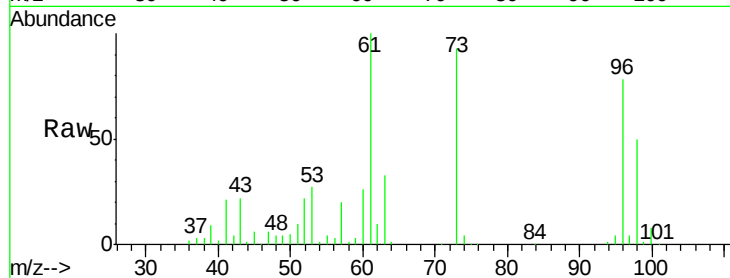
Tgt Ion: 96 Resp: 575910

Ion Ratio Lower Upper

96 100

61 128.3 108.4 162.6

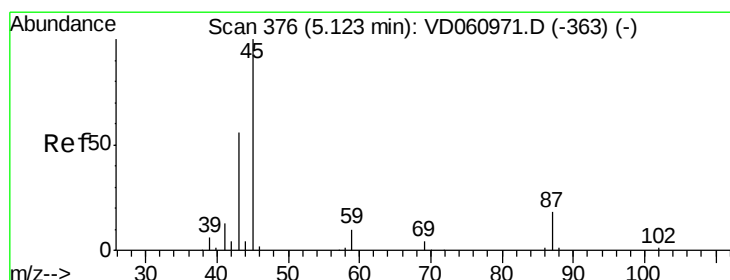
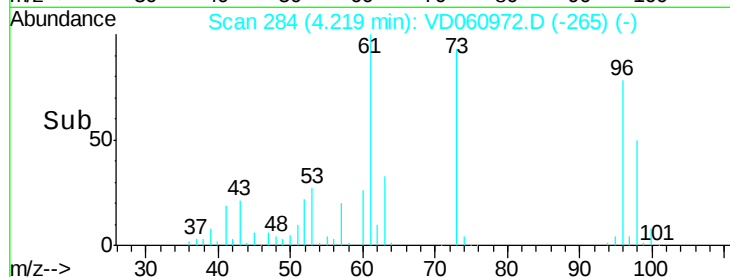
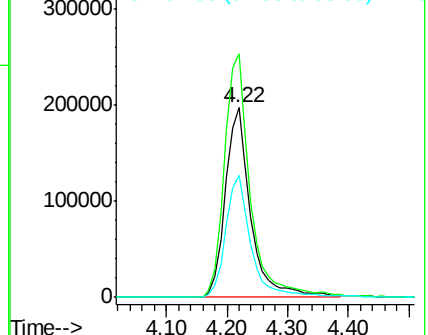
98 64.6 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 63.296 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Tgt Ion: 45 Resp: 1789676

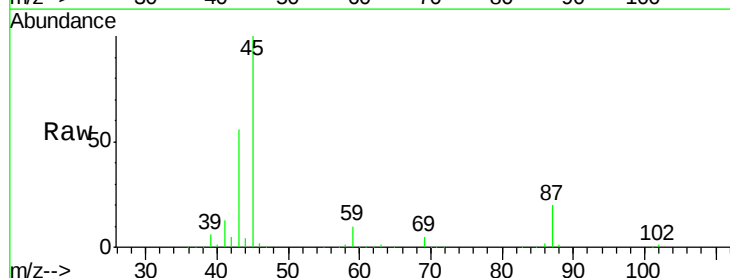
Ion Ratio Lower Upper

45 100

43 56.5 45.8 68.8

87 19.8 14.9 22.3

59 10.0 8.0 12.0

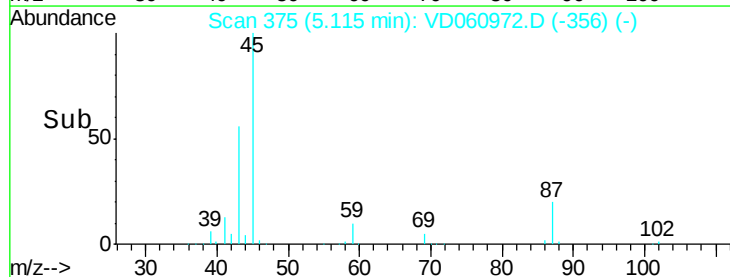
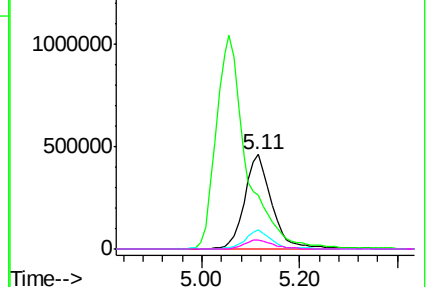


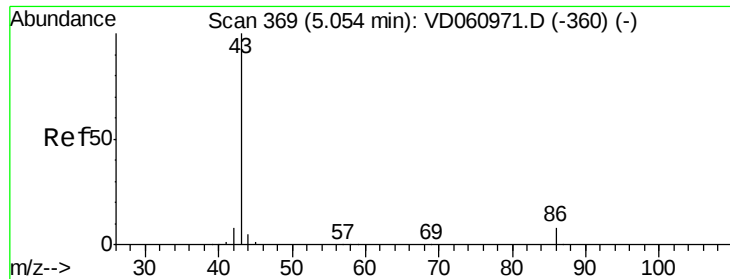
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 299.859 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

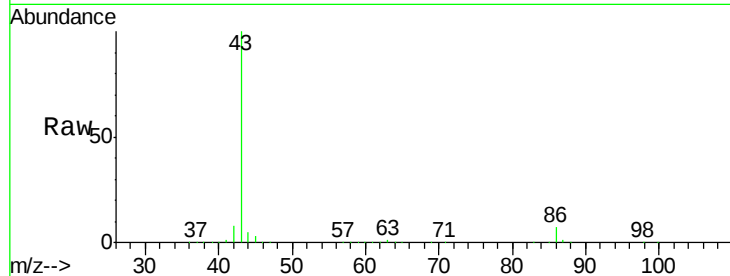
VSTDIC075

Tgt Ion: 43 Resp: 4442984

Ion Ratio Lower Upper

43 100

86 7.3 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

400000

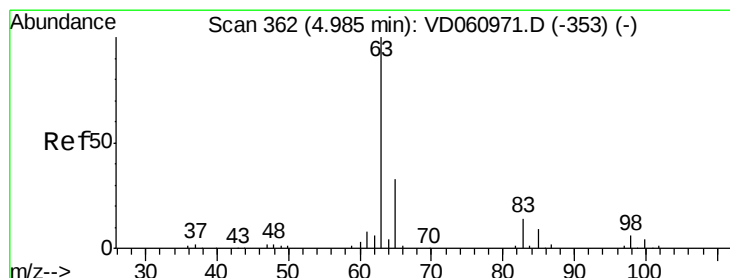
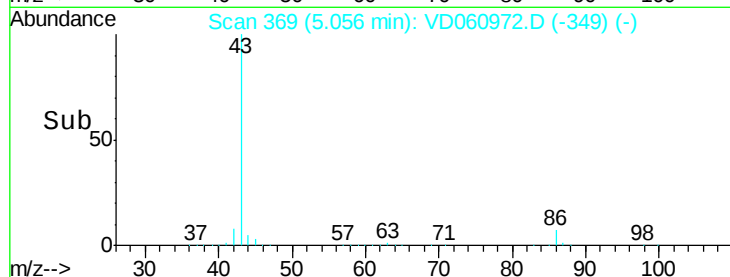
200000

0

5.06

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 62.093 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

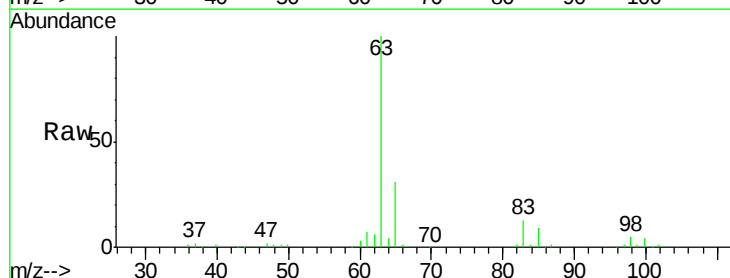
Tgt Ion: 63 Resp: 944084

Ion Ratio Lower Upper

63 100

98 5.0 3.0 9.2

100 3.6 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

300000

200000

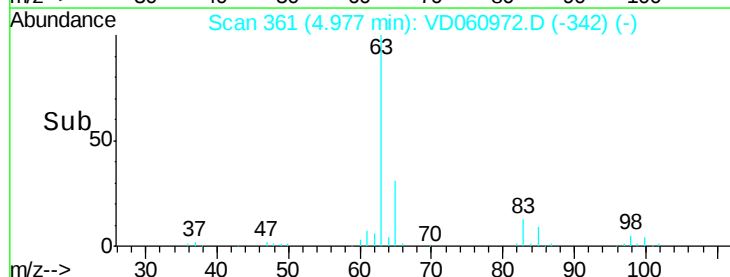
100000

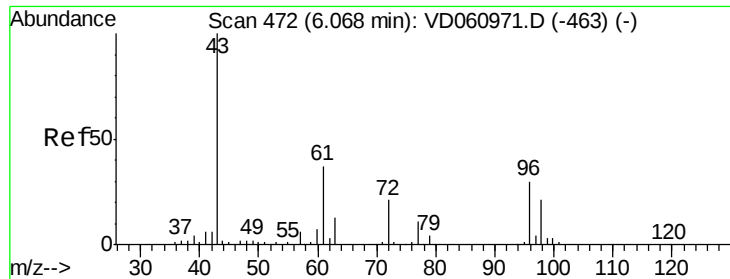
0

4.98

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 304.422 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

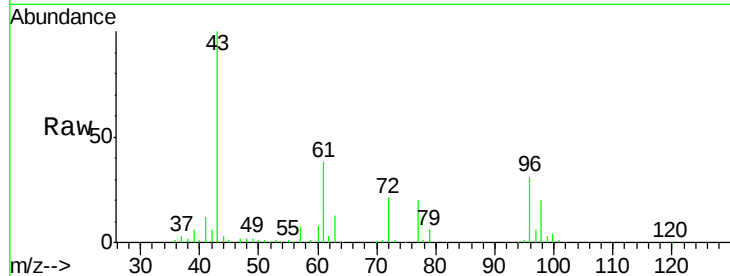
VSTDIC075

Tgt Ion: 43 Resp: 733306

Ion Ratio Lower Upper

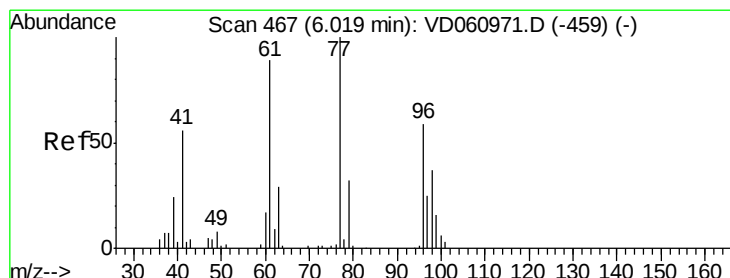
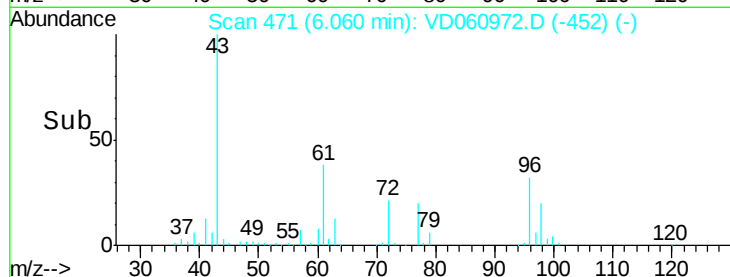
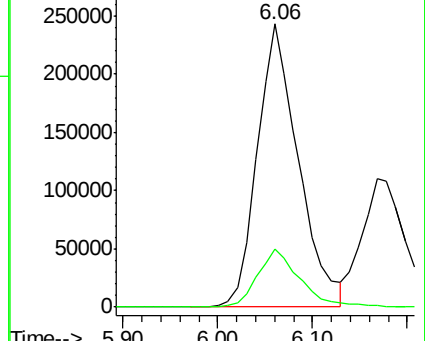
43 100

72 20.5 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 62.075 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060972.D

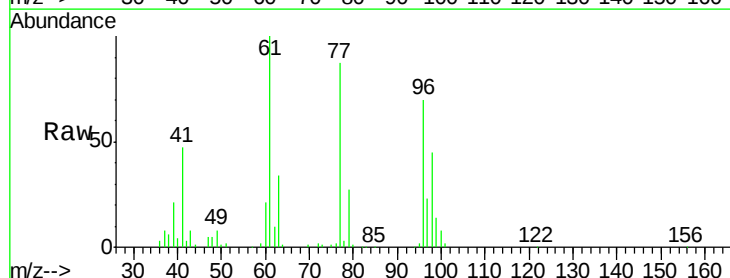
Acq: 7 Mar 2019 16:58

Tgt Ion: 77 Resp: 701366

Ion Ratio Lower Upper

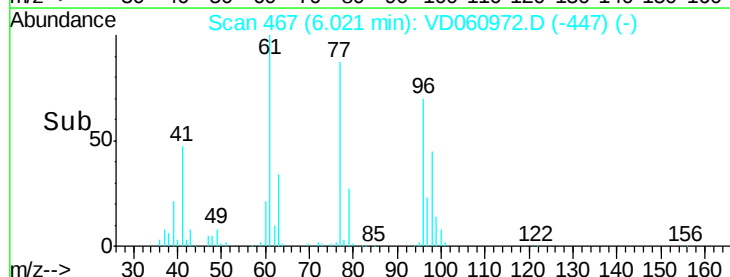
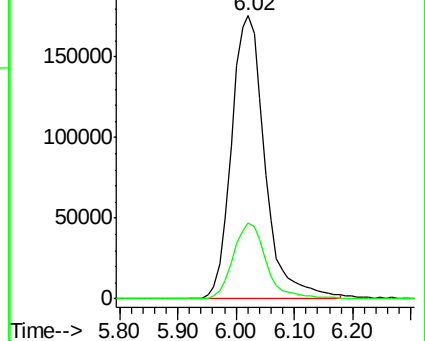
77 100

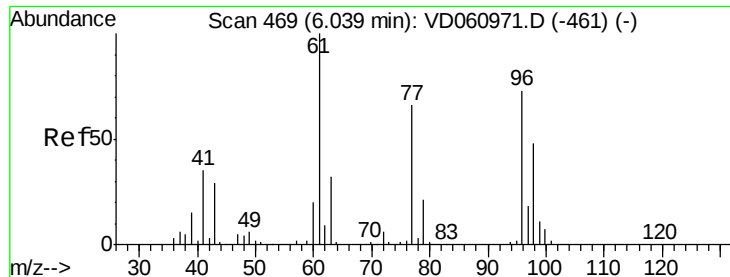
97 26.7 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



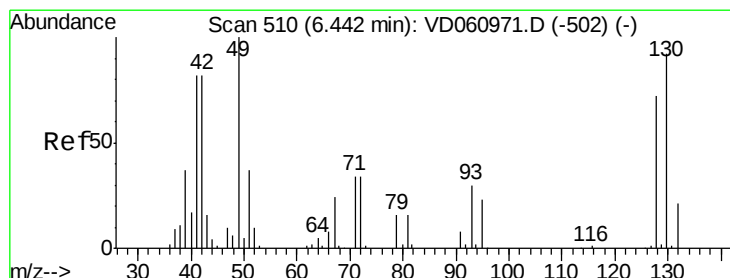
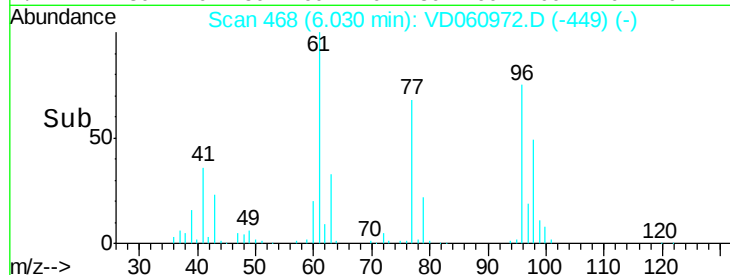
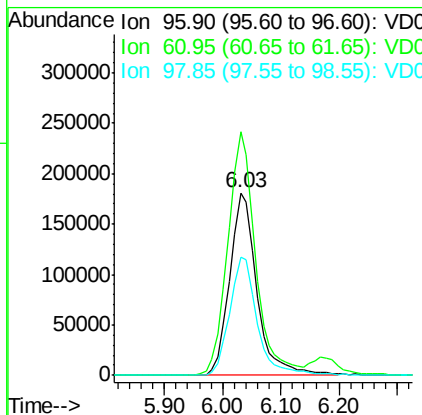
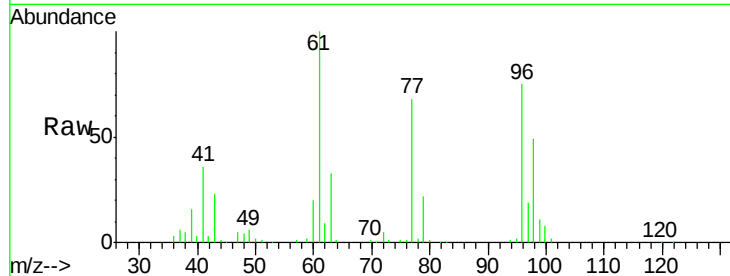


#27

cis-1,2-Dichloroethene
 Concen: 58.619 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

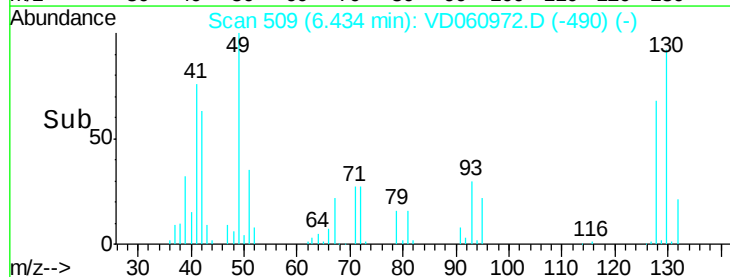
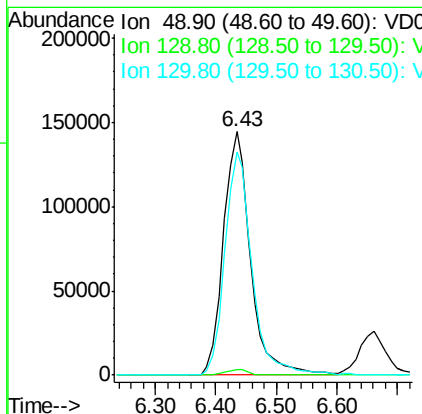
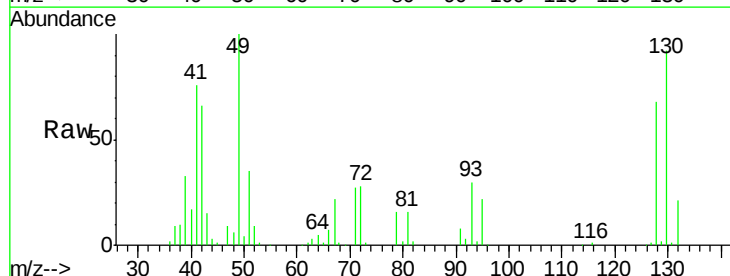
Tgt Ion	Resp	Lower	Upper
96	588953		
61	133.2	0.0	273.6
98	64.6	0.0	132.6

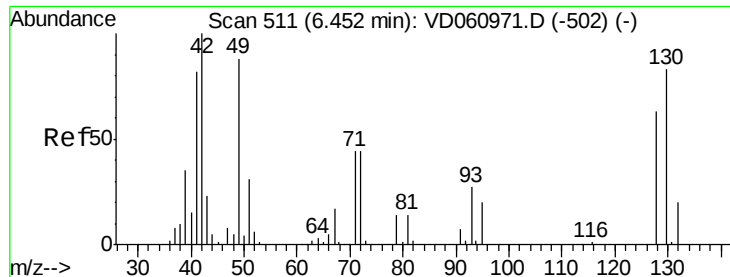


#28

Bromochloromethane
 Concen: 71.112 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion	Resp	Lower	Upper
49	449290		
129	2.1	0.0	4.0
130	91.8	73.8	110.8





#29

Tetrahydrofuran

Concen: 323.778 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

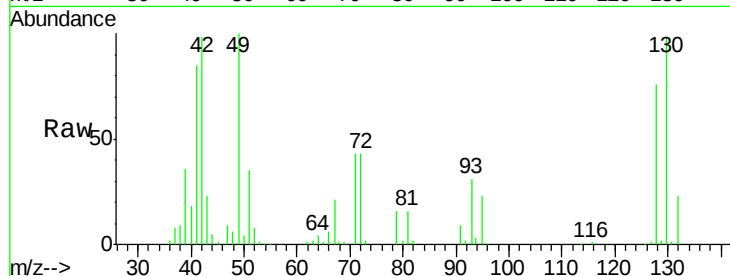
Tgt Ion: 42 Resp: 407941

Ion Ratio Lower Upper

42 100

72 43.5 34.5 51.7

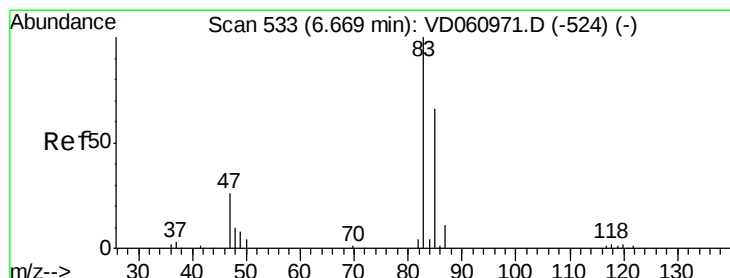
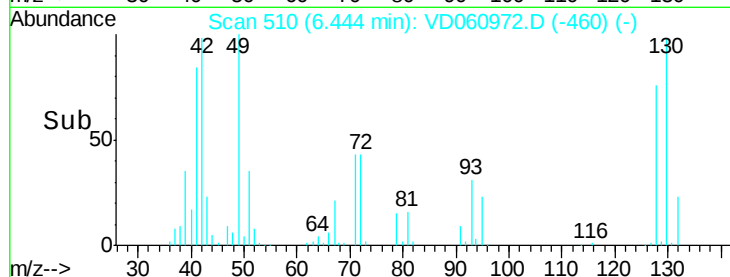
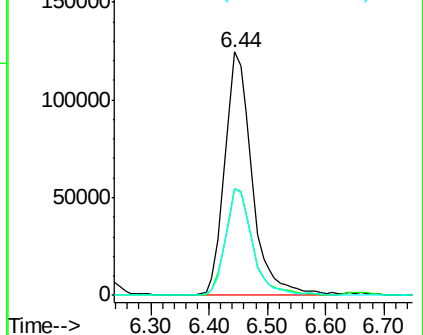
71 42.8 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 64.149 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD060972.D

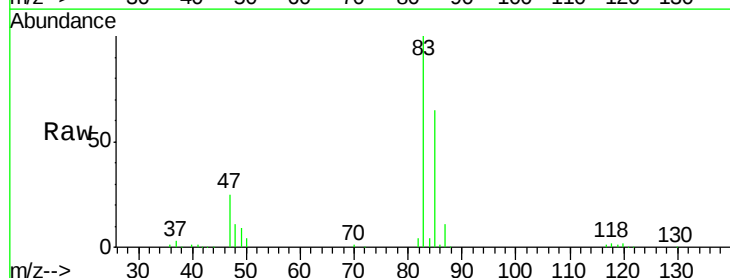
Acq: 7 Mar 2019 16:58

Tgt Ion: 83 Resp: 943755

Ion Ratio Lower Upper

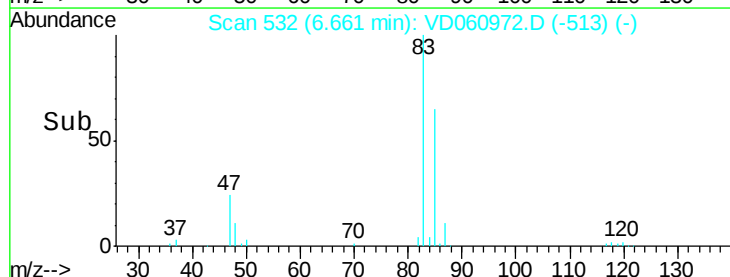
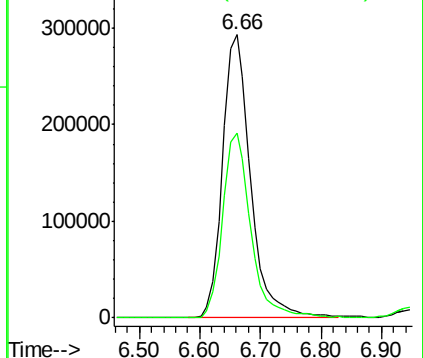
83 100

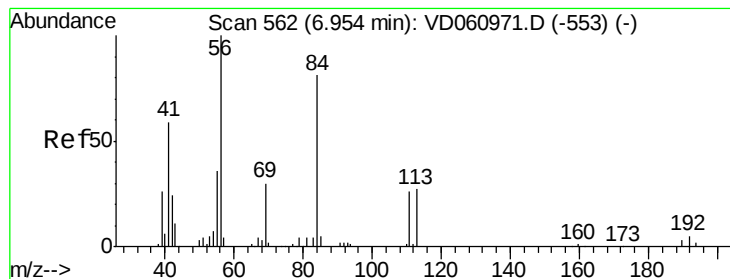
85 65.1 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 57.905 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

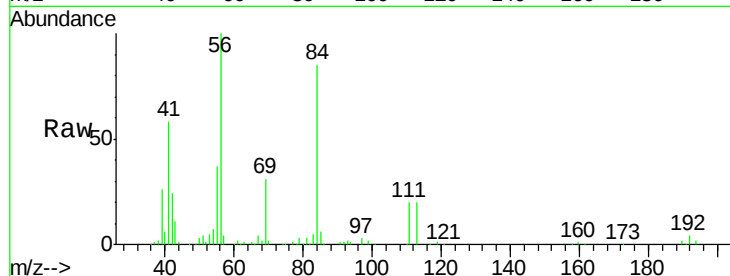
Tgt Ion: 56 Resp: 747095

Ion Ratio Lower Upper

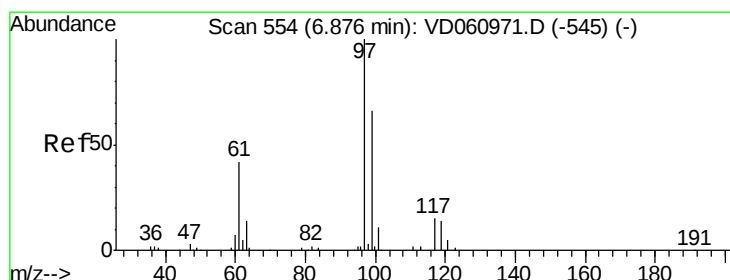
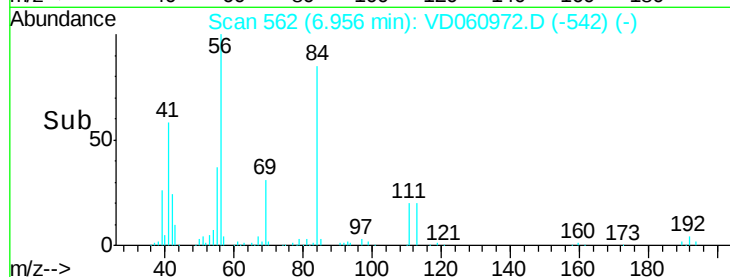
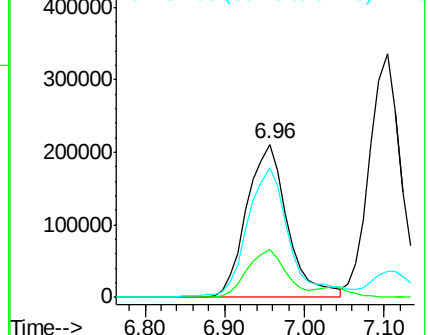
56 100

69 30.9 24.0 36.0

84 85.0 65.8 98.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 67.190 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

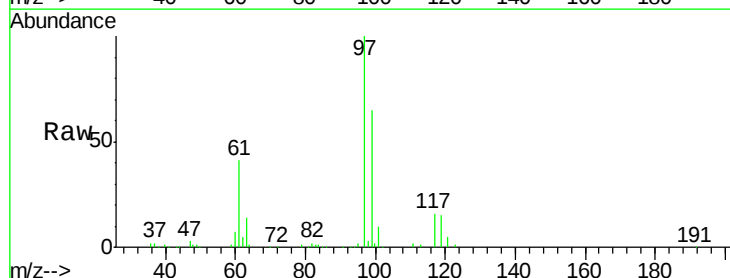
Tgt Ion: 97 Resp: 850225

Ion Ratio Lower Upper

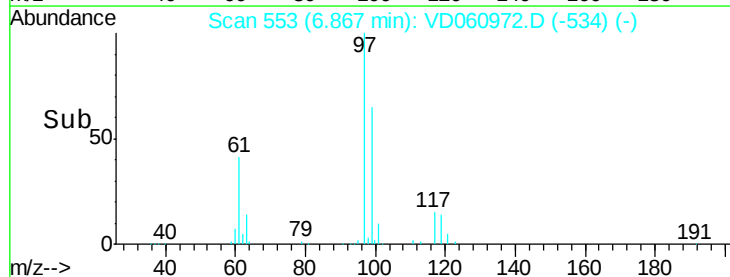
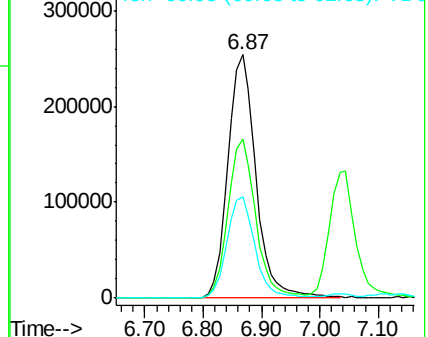
97 100

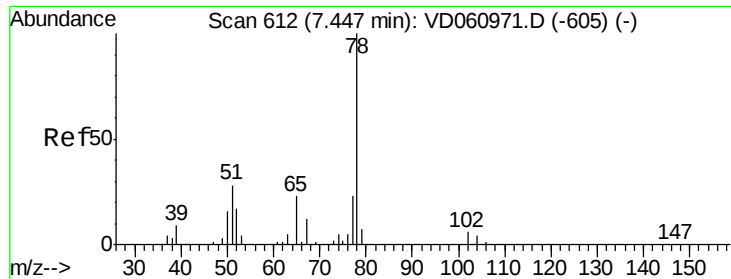
99 65.1 53.2 79.8

61 41.5 33.8 50.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 67.190 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

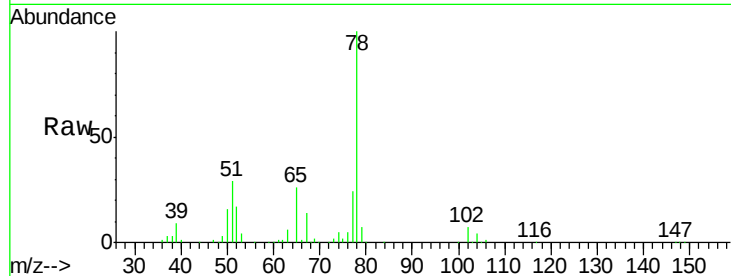
VSTDIC075

Tgt Ion: 65 Resp: 446120

Ion Ratio Lower Upper

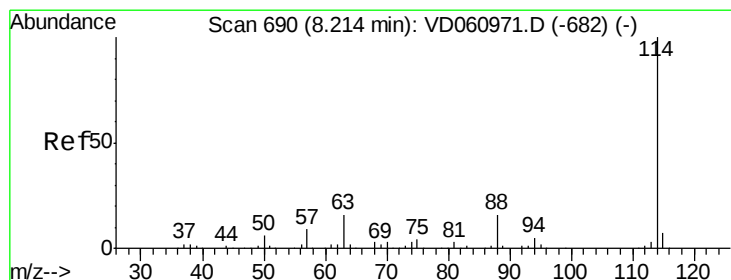
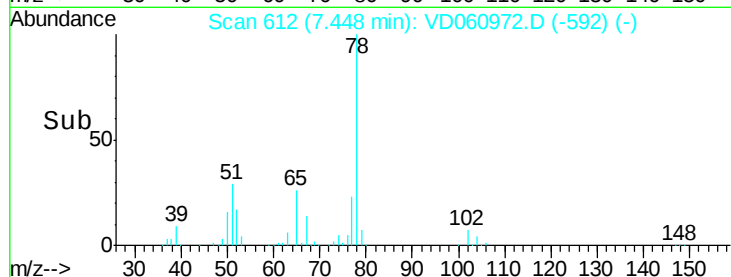
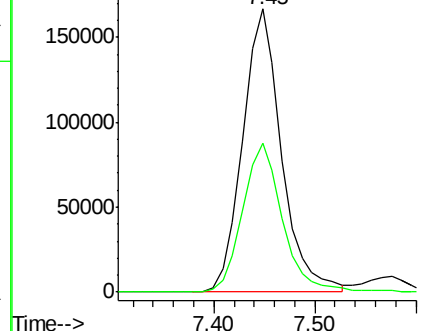
65 100

67 52.8 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

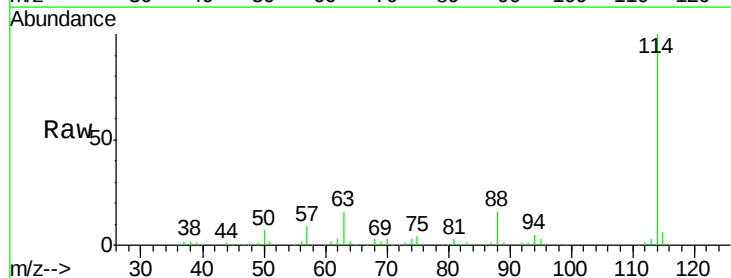
Tgt Ion: 114 Resp: 1239061

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

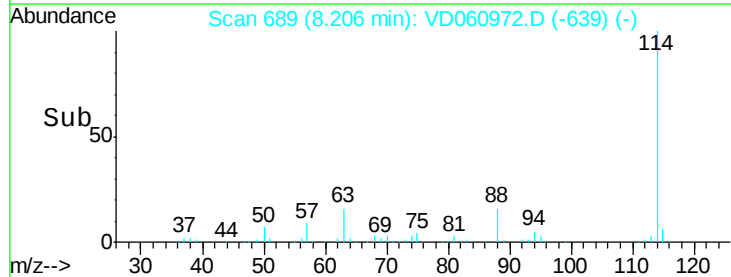
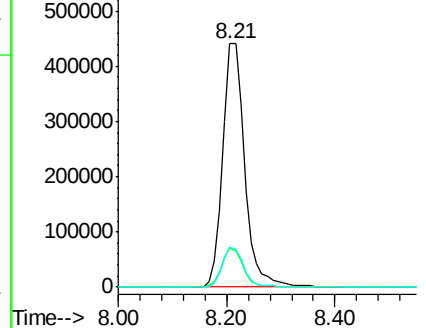
88 16.4 0.0 33.0

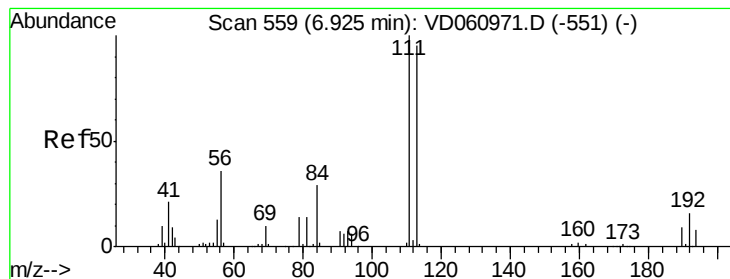


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

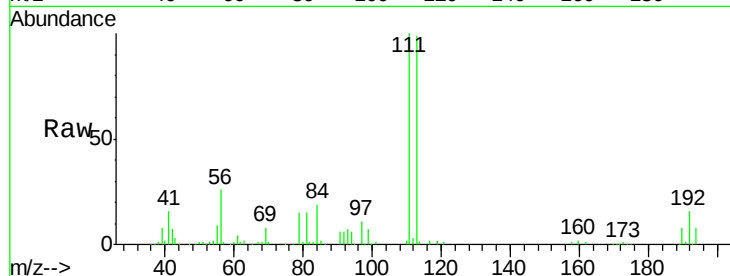
Tgt Ion:113 Resp: 701909

Ion Ratio Lower Upper

113 100

111 100.7 84.2 126.4

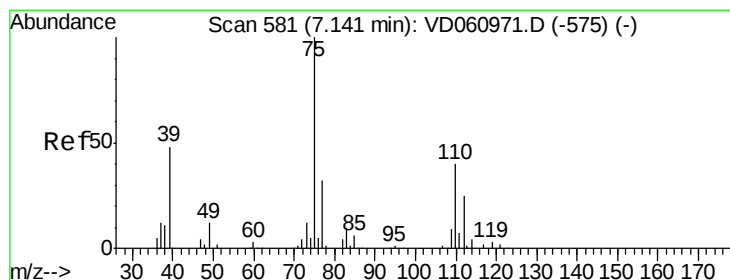
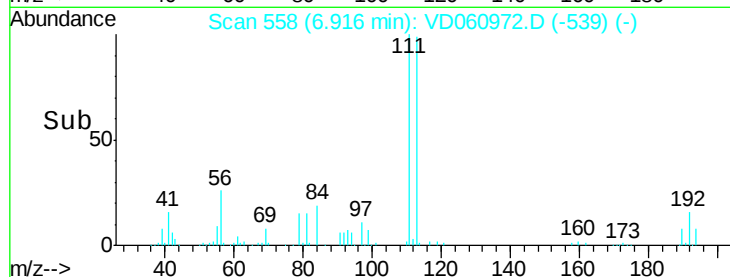
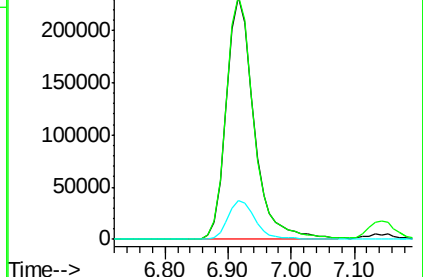
192 16.3 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 64.529 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

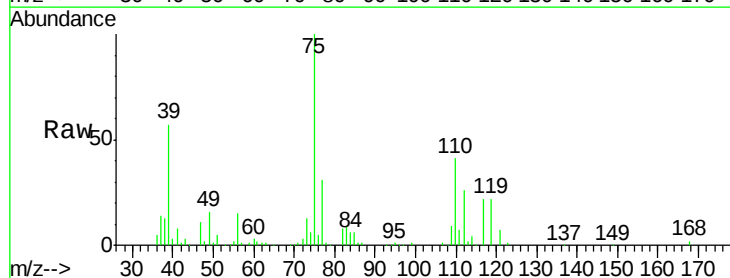
Tgt Ion: 75 Resp: 733137

Ion Ratio Lower Upper

75 100

110 41.2 19.7 59.1

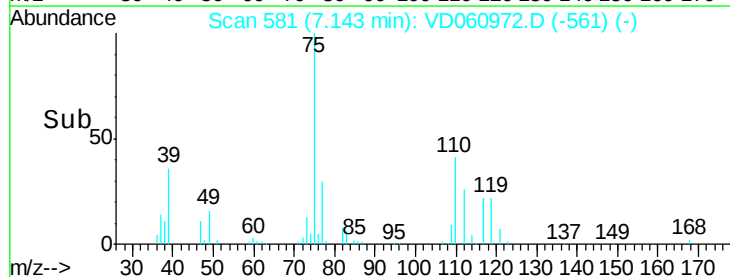
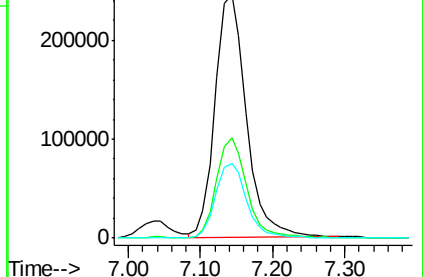
77 30.9 24.7 37.1

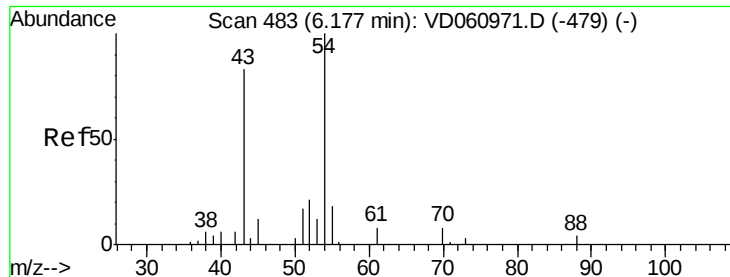


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

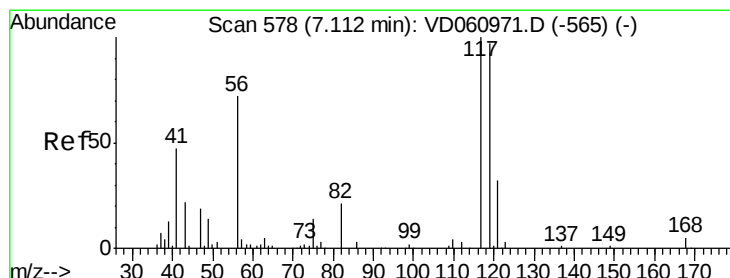
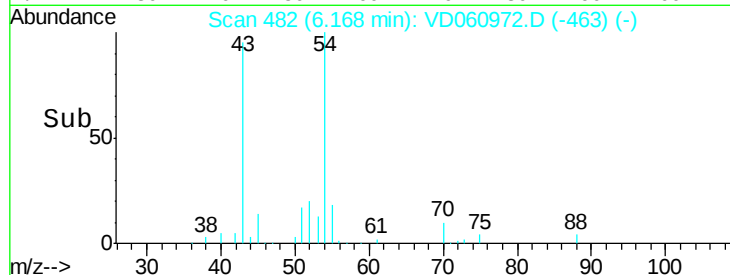
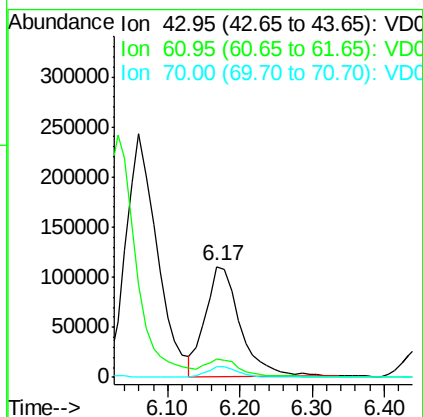
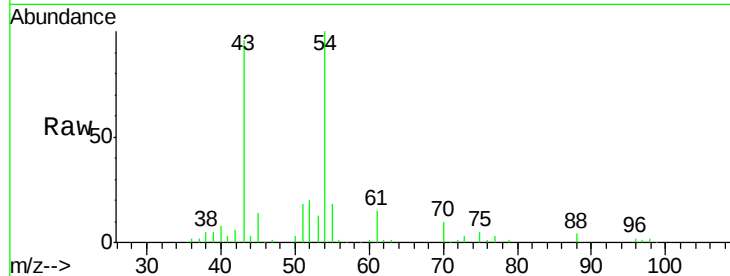




#37
Ethyl Acetate
Concen: 62.736 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

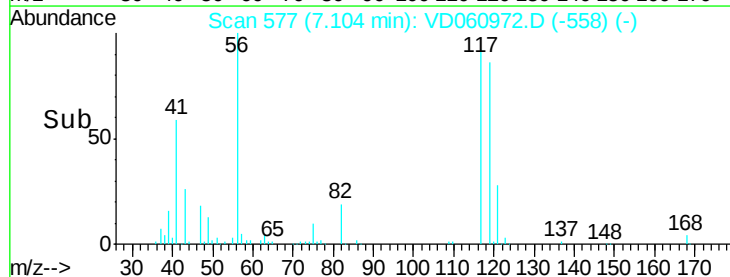
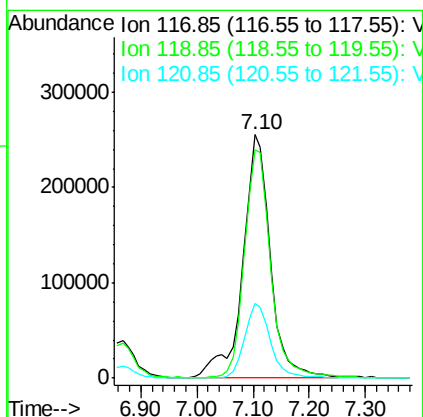
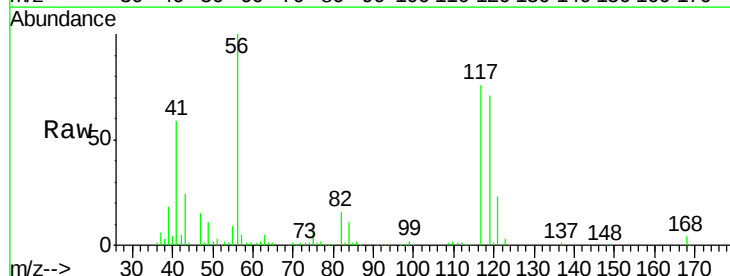
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

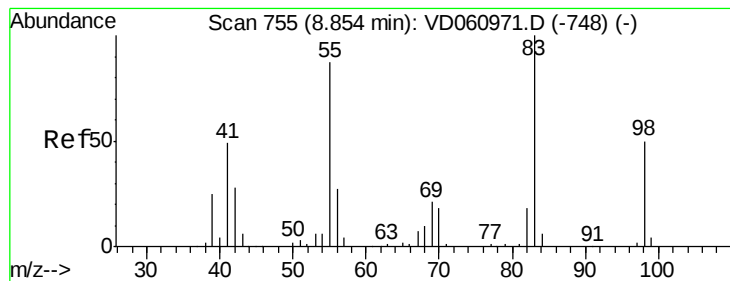
Tgt Ion: 43 Resp: 364162
Ion Ratio Lower Upper
43 100
61 16.0 13.7 20.5
70 9.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 69.943 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion: 117 Resp: 861266
Ion Ratio Lower Upper
117 100
119 93.5 77.8 116.8
121 30.9 25.3 37.9





#39

Methylcyclohexane

Concen: 65.519 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

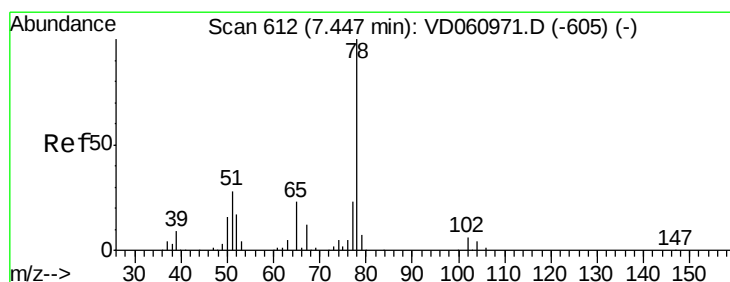
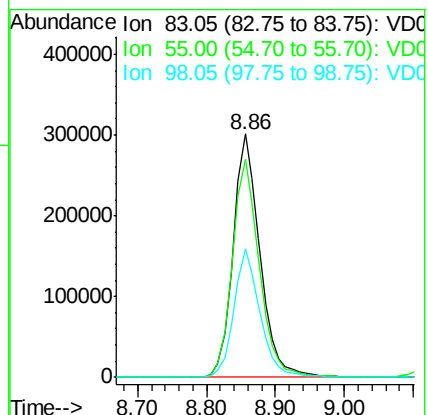
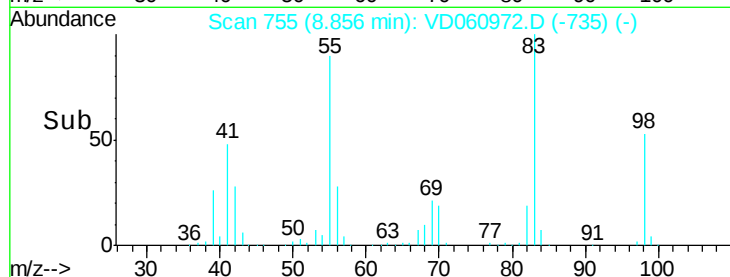
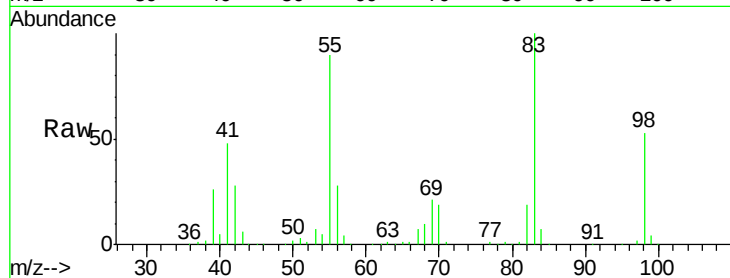
Tgt Ion: 83 Resp: 811274

Ion Ratio Lower Upper

83 100

55 89.8 69.6 104.4

98 52.9 40.0 60.0



#40

Benzene

Concen: 63.204 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060972.D

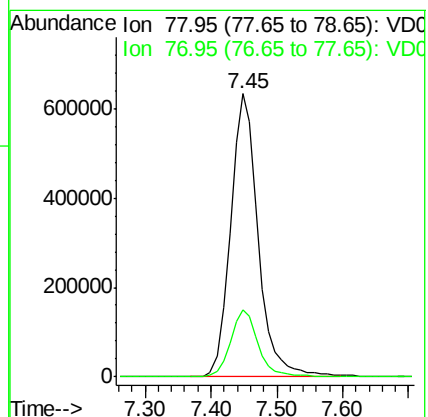
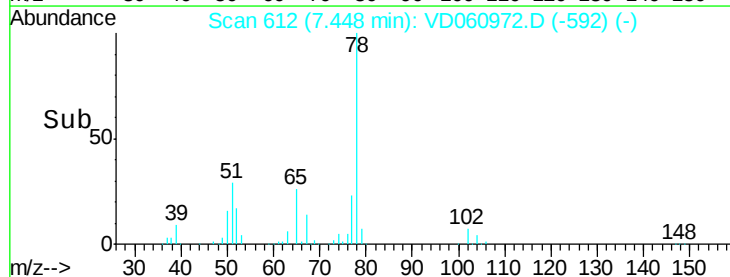
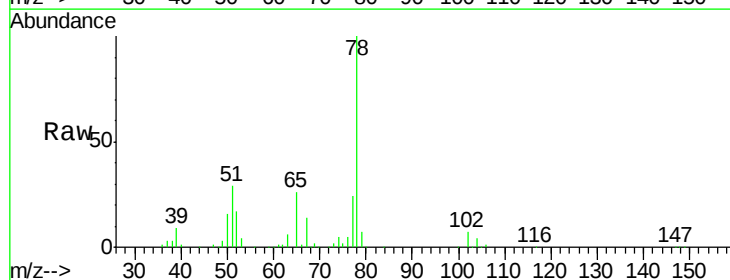
Acq: 7 Mar 2019 16:58

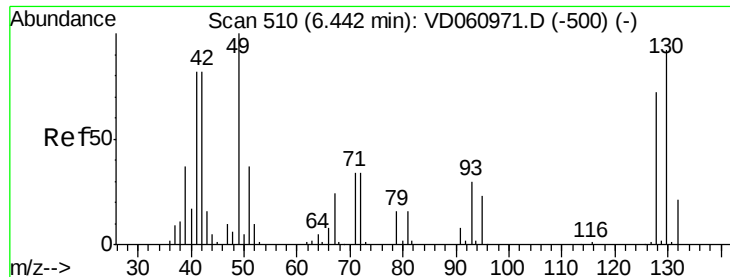
Tgt Ion: 78 Resp: 1852928

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 104.220 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 433639

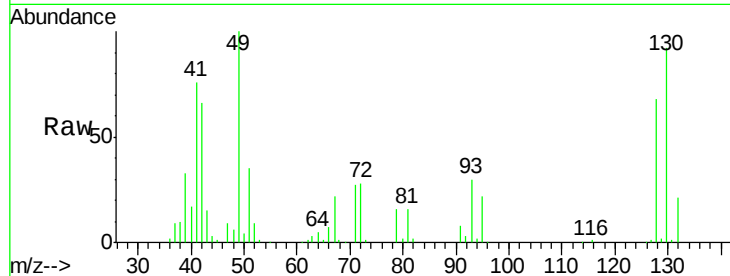
Ion Ratio Lower Upper

41 100

39 42.9 35.7 53.5

67 29.1 23.0 34.6

52 12.1 9.2 13.8

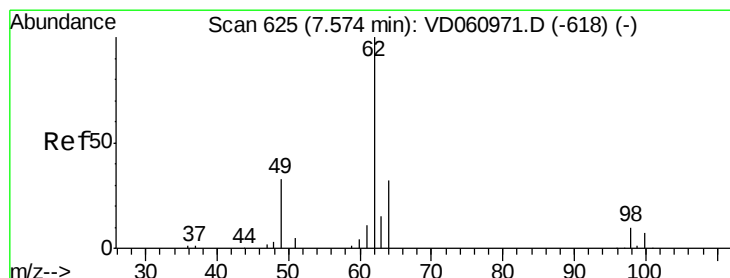
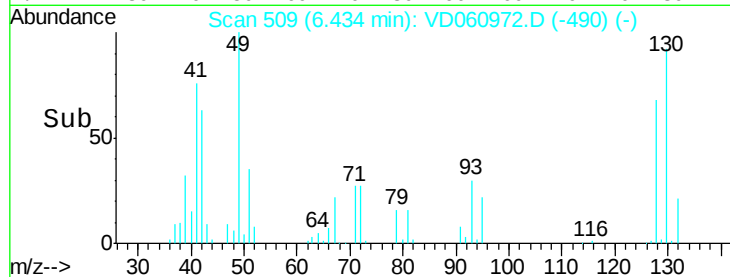
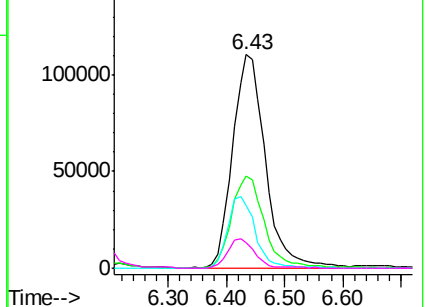


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 67.048 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD060972.D

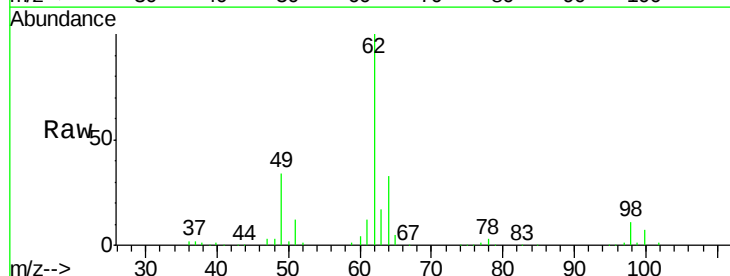
Acq: 7 Mar 2019 16:58

Tgt Ion: 62 Resp: 556409

Ion Ratio Lower Upper

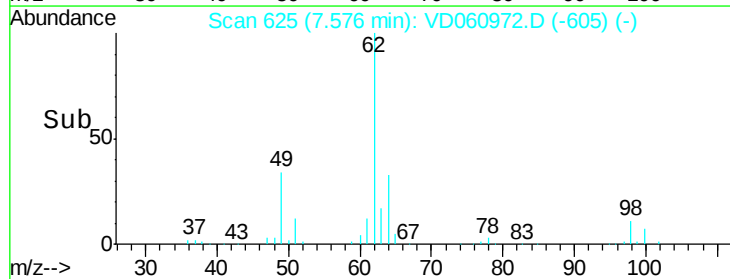
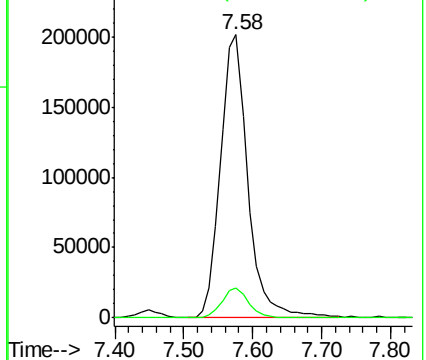
62 100

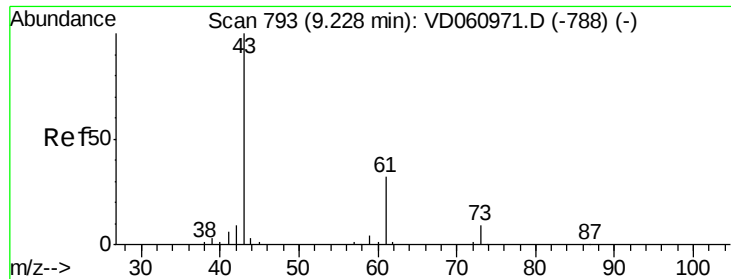
98 10.8 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 67.422 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

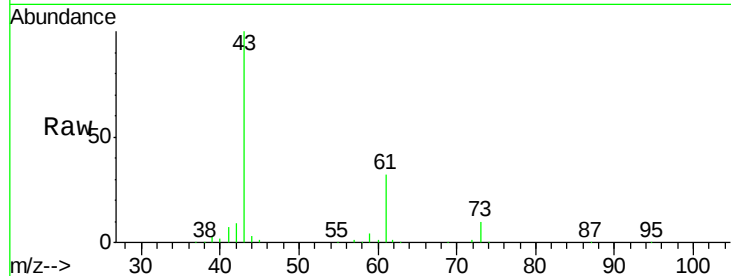
Tgt Ion: 43 Resp: 544620

Ion Ratio Lower Upper

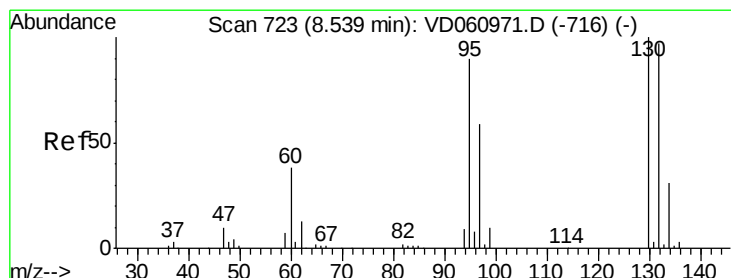
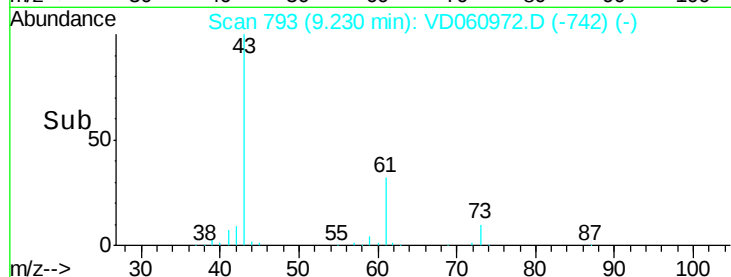
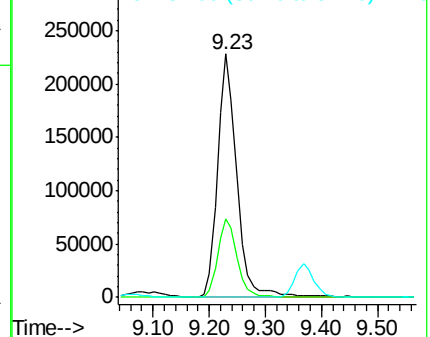
43 100

61 32.5 25.6 38.4

87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 68.613 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD060972.D

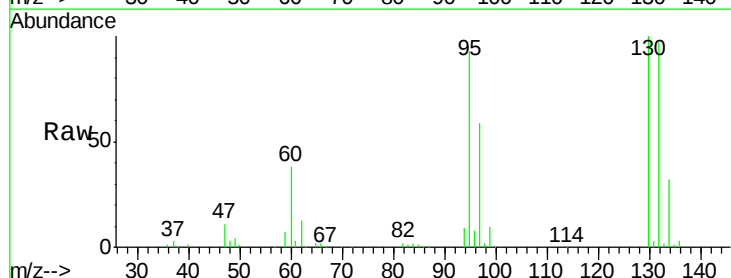
Acq: 7 Mar 2019 16:58

Tgt Ion: 130 Resp: 682528

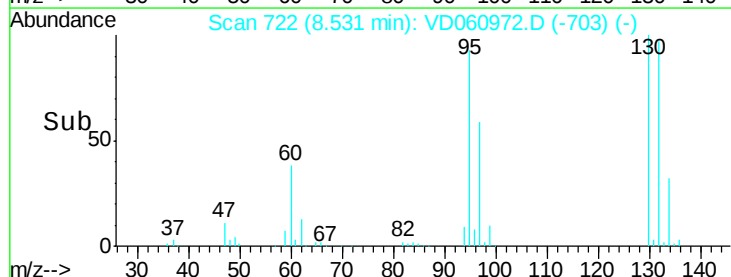
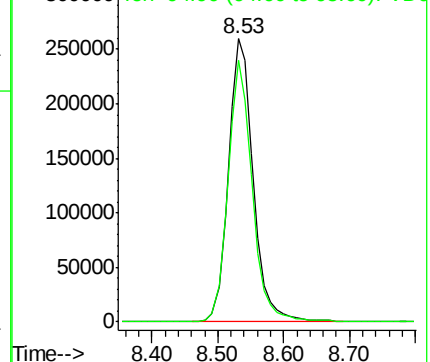
Ion Ratio Lower Upper

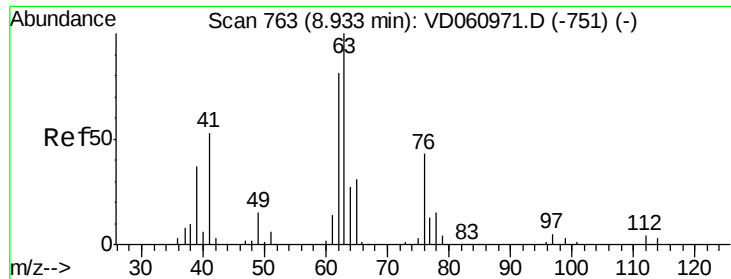
130 100

95 92.5 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

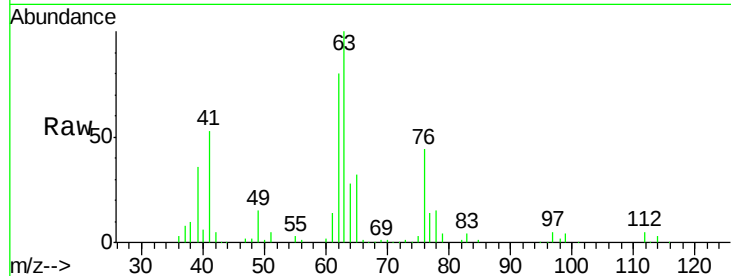




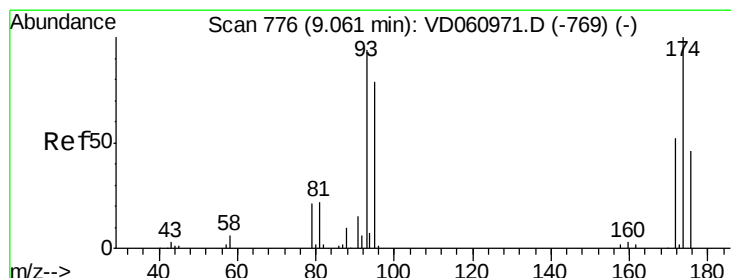
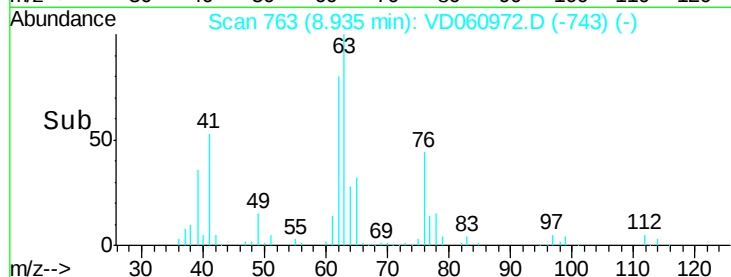
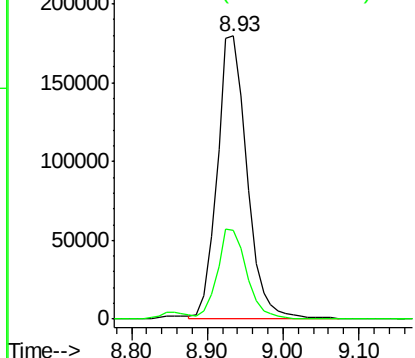
#45
 1,2-Dichloropropane
 Concen: 63.573 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 63 Resp: 489734
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2

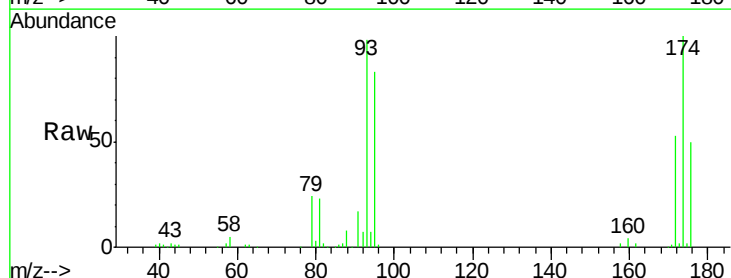


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

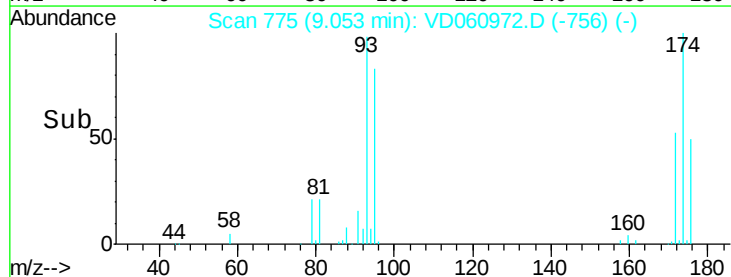
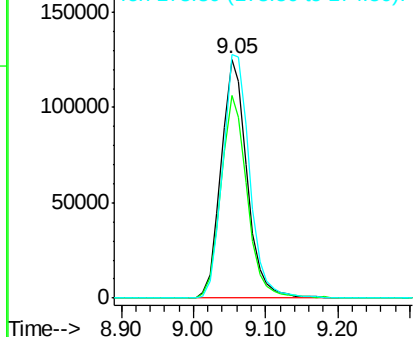


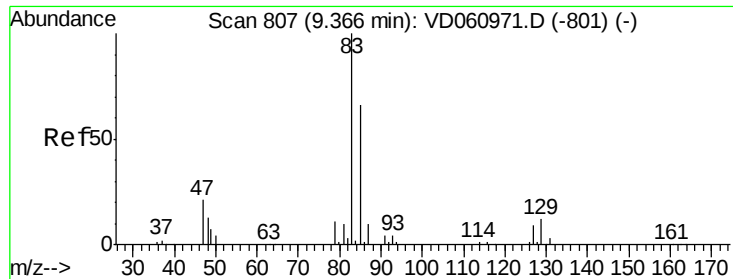
#46
 Dibromomethane
 Concen: 63.391 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion: 93 Resp: 312424
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.4 101.0
 174 101.9 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 65.572 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

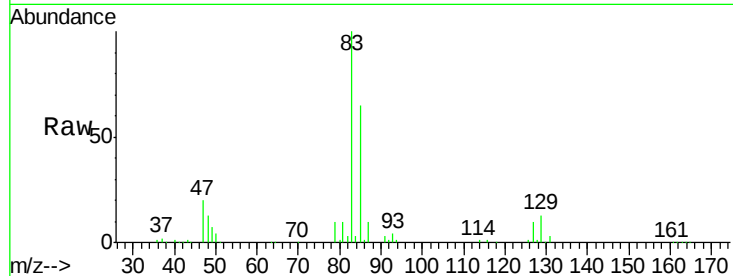
Tgt Ion: 83 Resp: 717264

Ion Ratio Lower Upper

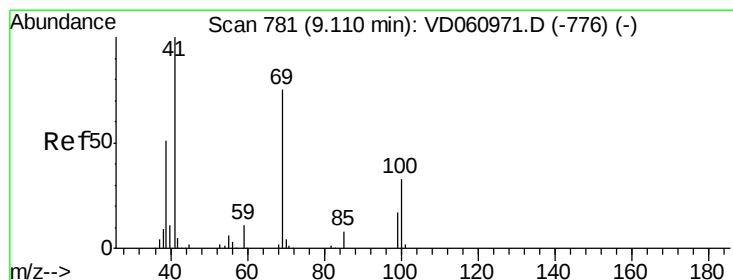
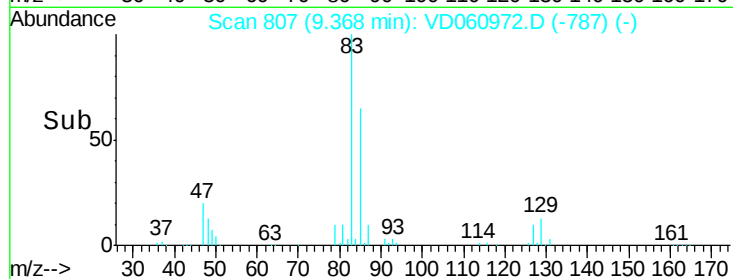
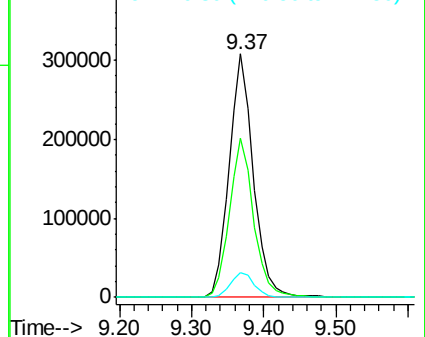
83 100

85 65.1 52.5 78.7

127 9.9 7.5 11.3



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 63.795 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

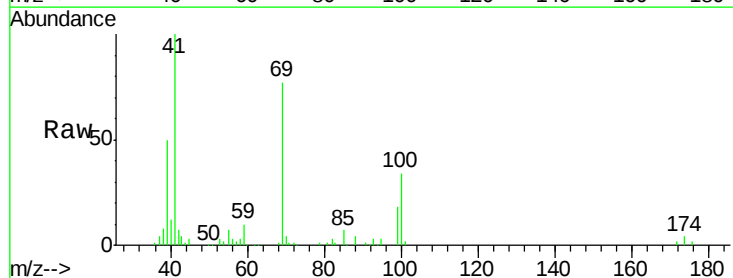
Tgt Ion: 41 Resp: 291346

Ion Ratio Lower Upper

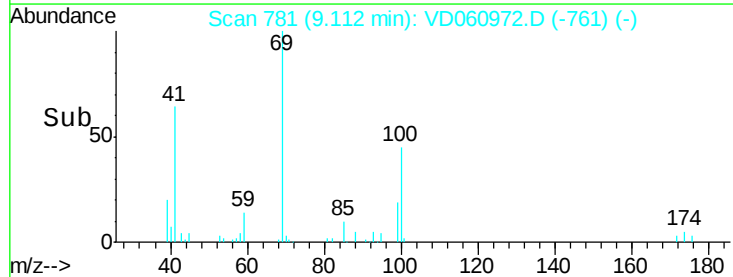
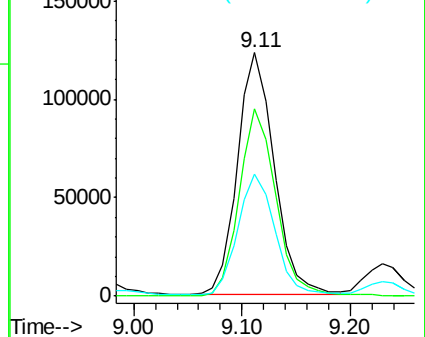
41 100

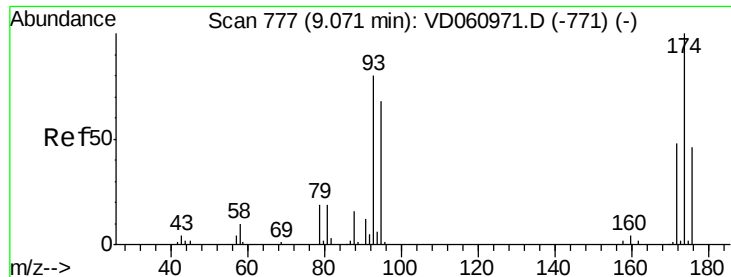
69 76.8 59.9 89.9

39 50.3 40.9 61.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

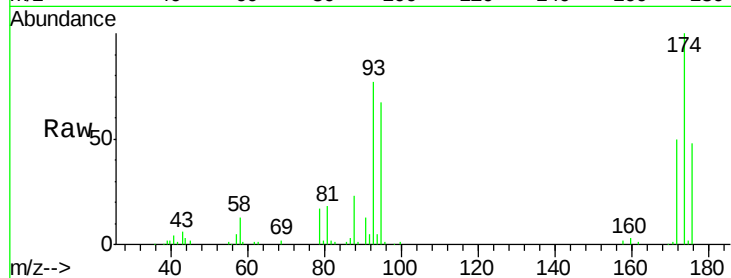




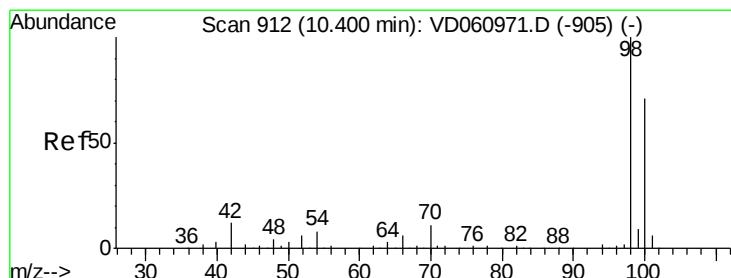
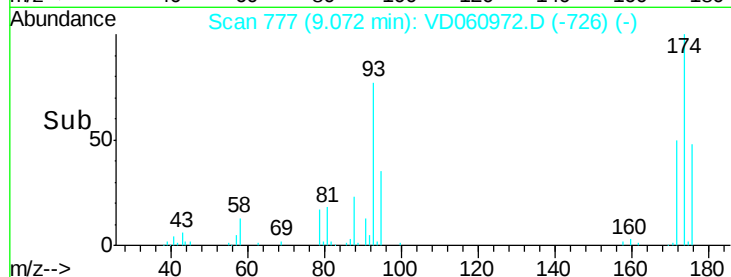
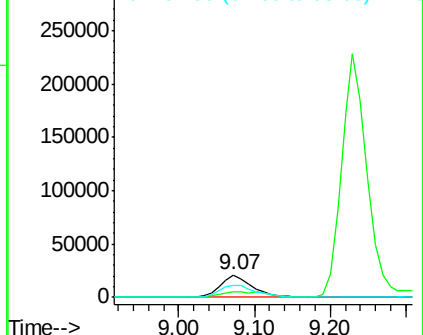
#49
1,4-Dioxane
Concen: 1291.525 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 88 Resp: 60536
Ion Ratio Lower Upper
88 100
43 26.4 21.0 31.6
58 55.5 48.6 72.8

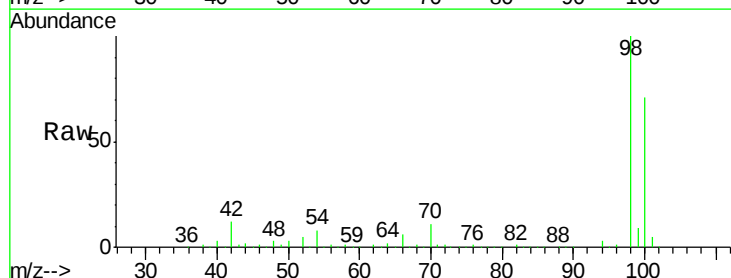


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

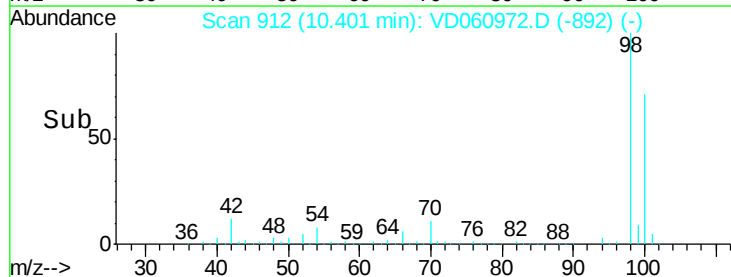
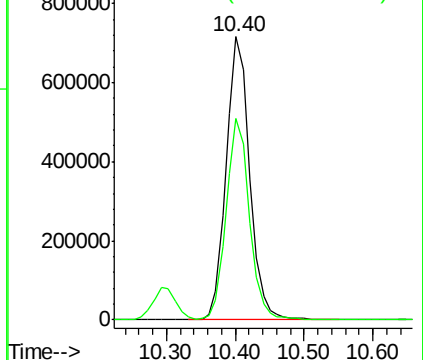


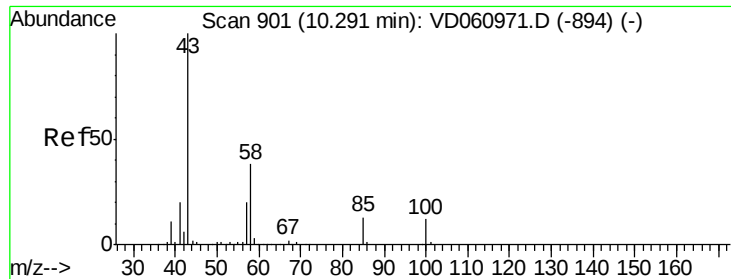
#50
Toluene-d8
Concen: 1291.525 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion: 98 Resp: 1692748
Ion Ratio Lower Upper
98 100
100 71.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

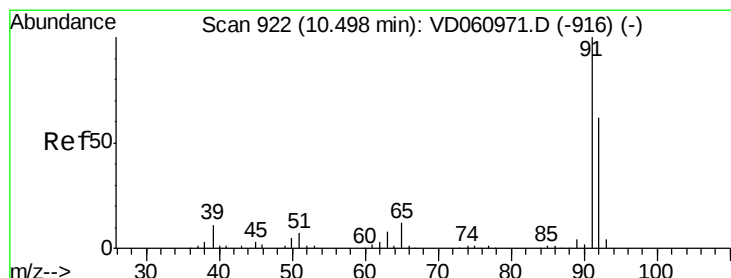
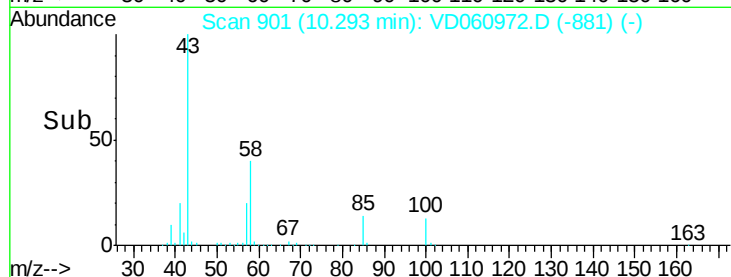
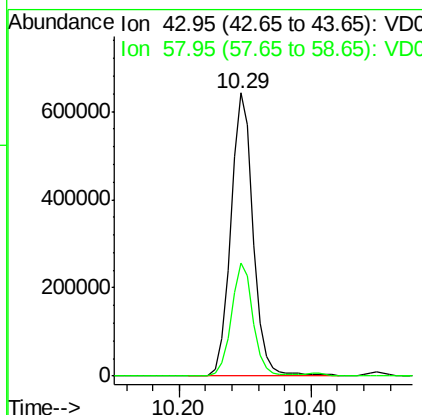
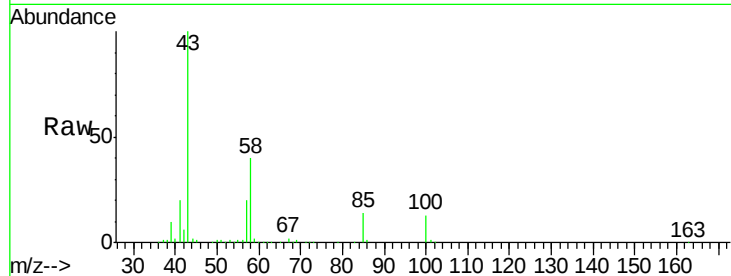




#51
4-Methyl-2-Pentanone
Concen: 309.764 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

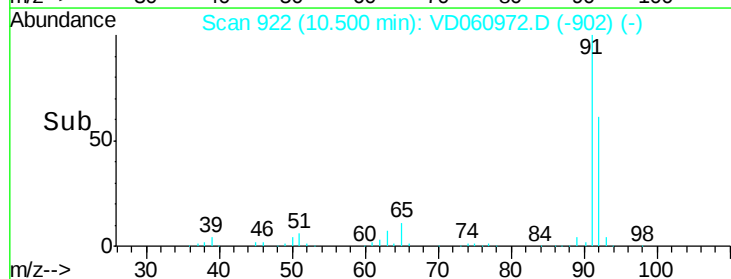
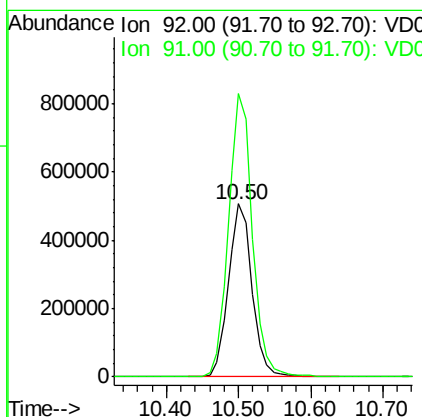
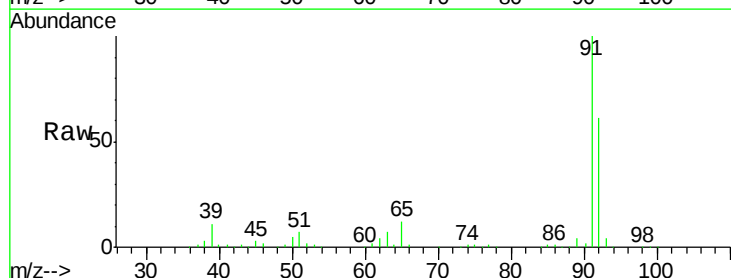
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

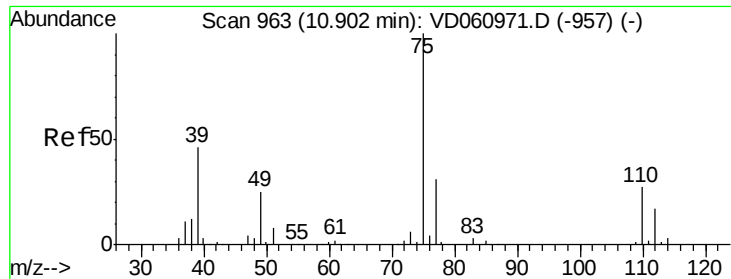
Tgt Ion: 43 Resp: 1527800
Ion Ratio Lower Upper
43 100
58 39.8 30.2 45.2



#52
Toluene
Concen: 62.032 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion: 92 Resp: 1157392
Ion Ratio Lower Upper
92 100
91 163.7 129.8 194.8

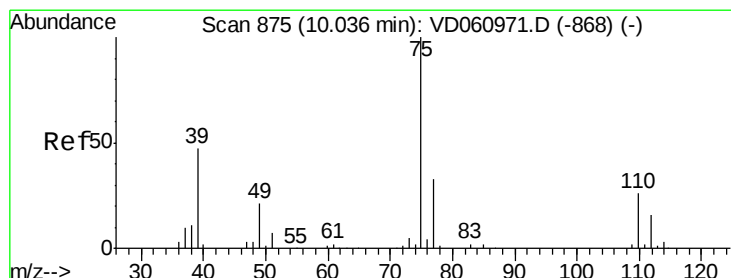
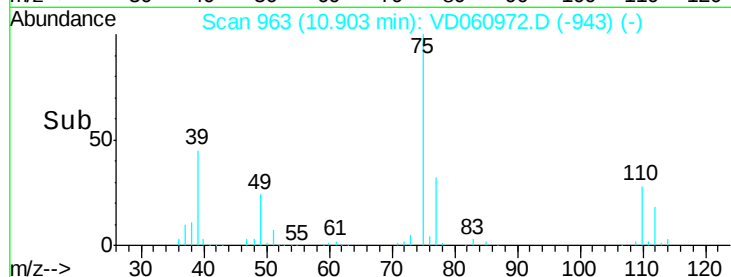
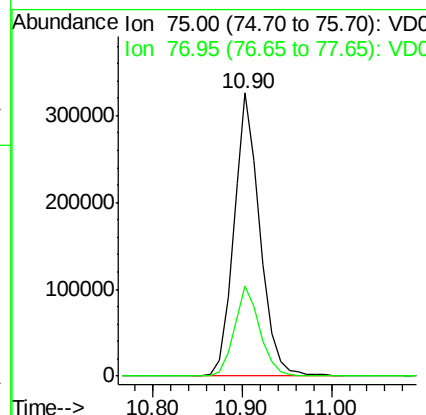
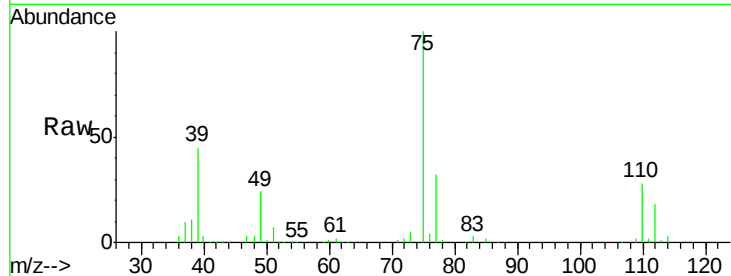




#53
t-1,3-Dichloropropene
Concen: 66.629 ug/l
RT: 10.90 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

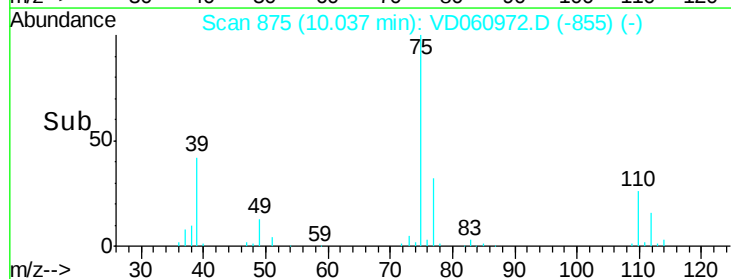
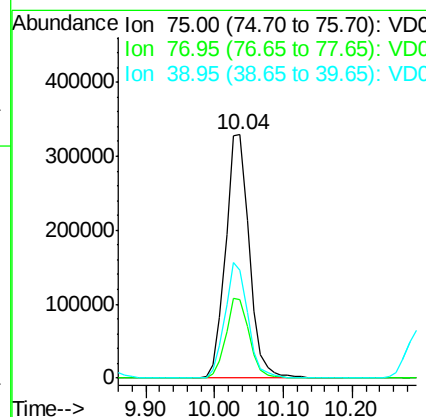
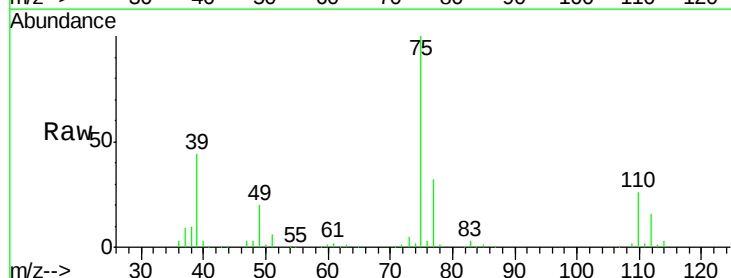
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

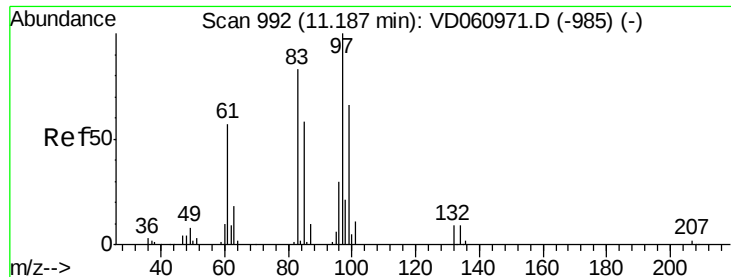
Tgt Ion: 75 Resp: 662183
Ion Ratio Lower Upper
75 100
77 31.8 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 64.421 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion: 75 Resp: 785298
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4
39 44.4 37.8 56.8

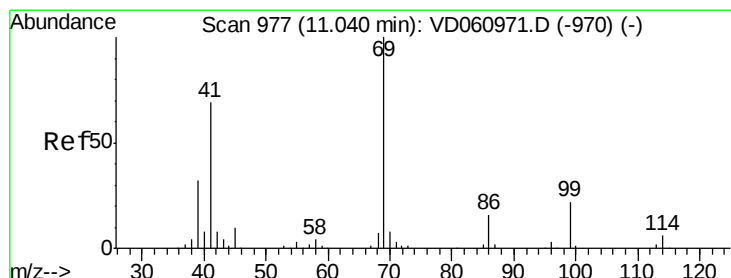
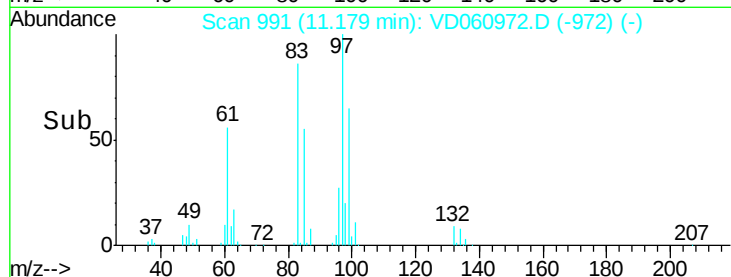
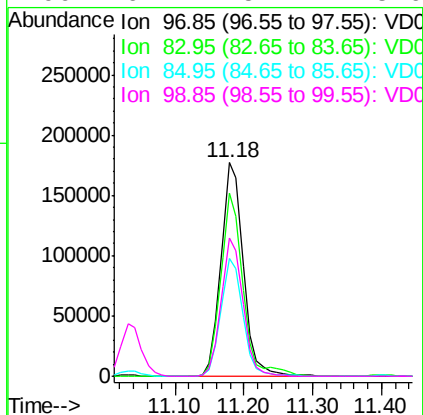
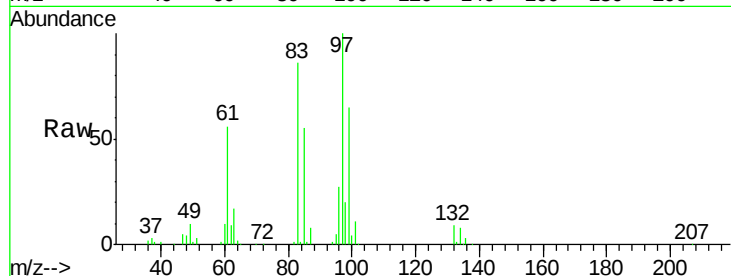




#55
 1,1,2-Trichloroethane
 Concen: 64.543 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

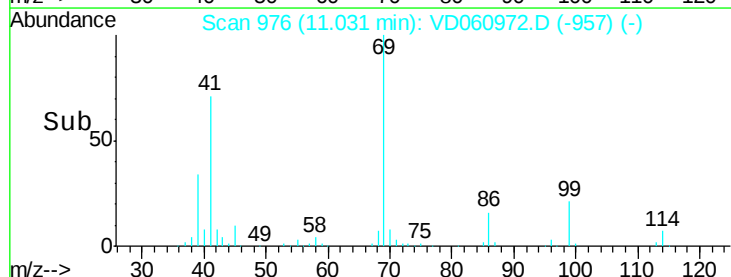
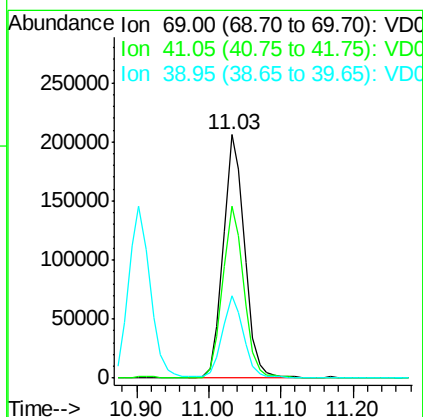
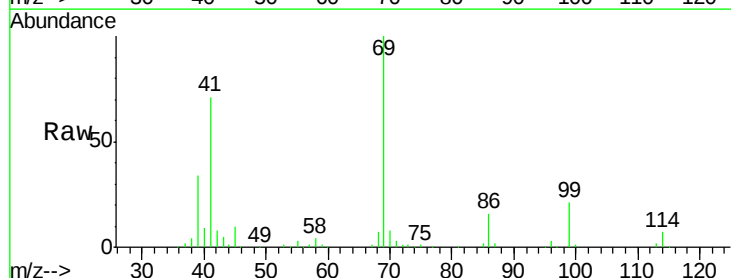
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

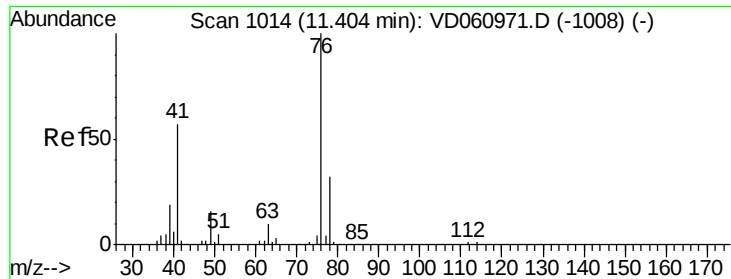
Tgt Ion:	97	Resp:	398172
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.6	100.0
85	54.9	46.4	69.6
99	64.7	52.4	78.6



#56
 Ethyl methacrylate
 Concen: 65.545 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion:	69	Resp:	424445
Ion	Ratio	Lower	Upper
69	100		
41	70.6	55.5	83.3
39	33.8	26.2	39.2

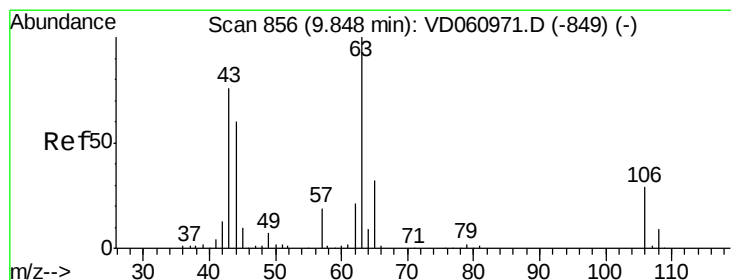
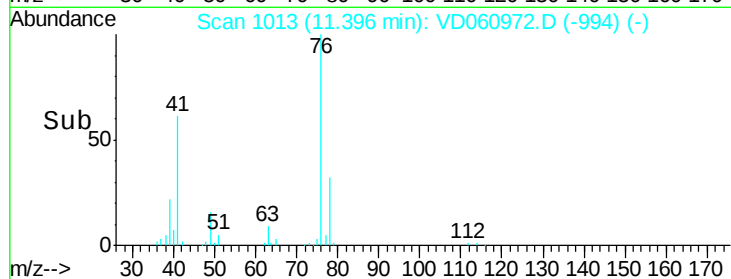
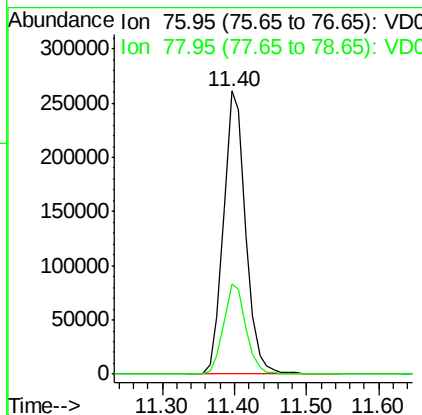
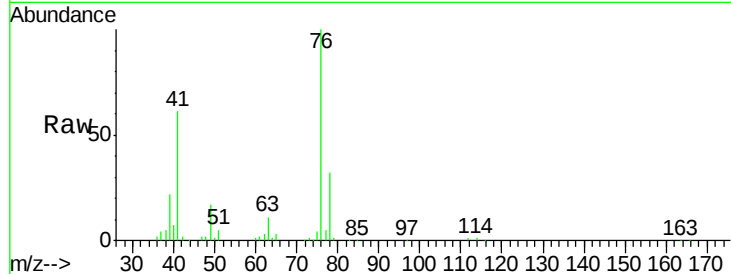




#57
 1,3-Dichloropropane
 Concen: 61.951 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

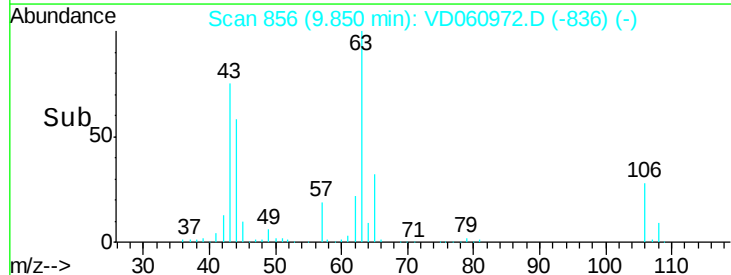
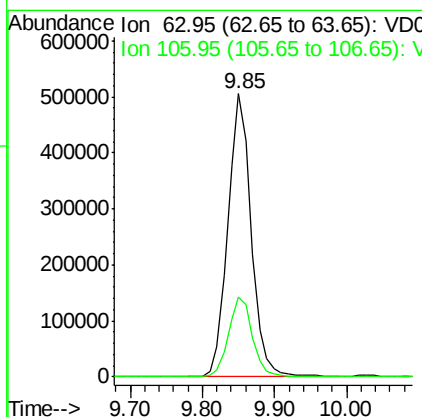
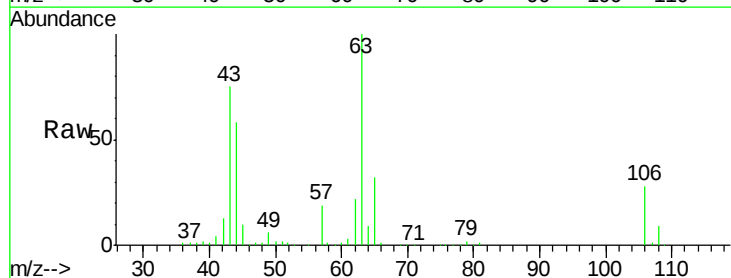
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

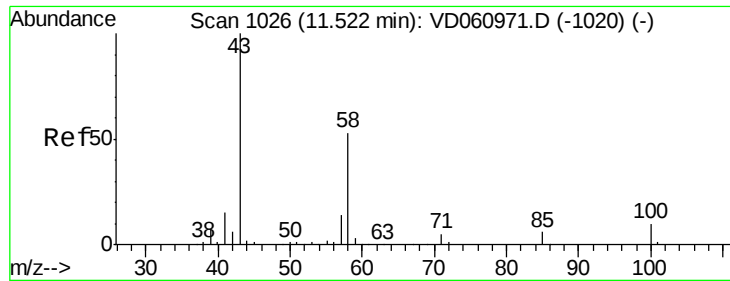
Tgt Ion: 76 Resp: 552499
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 328.657 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion: 63 Resp: 1139518
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.8 34.2

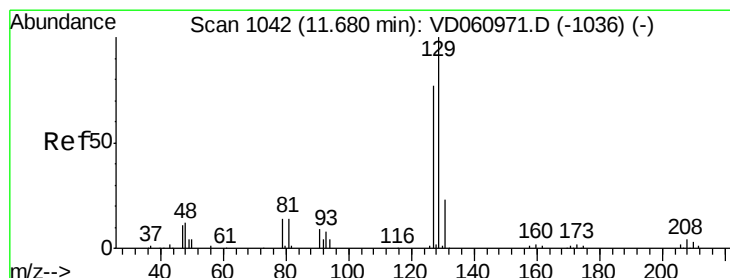
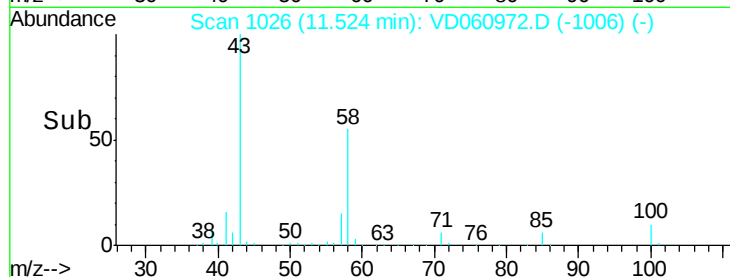
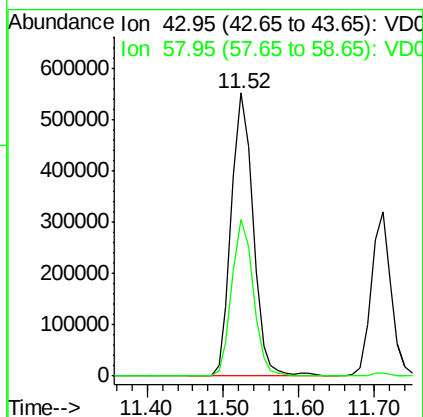
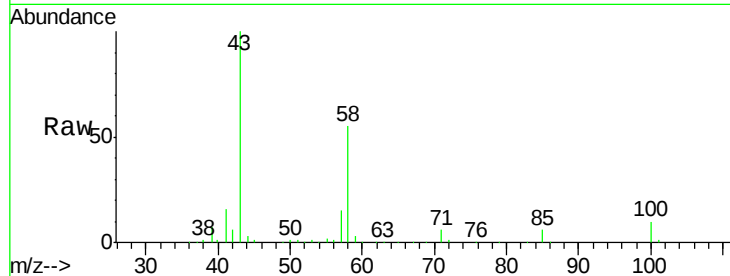




#59
2-Hexanone
Concen: 319.897 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

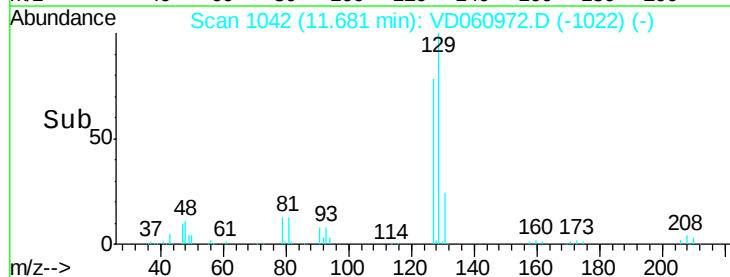
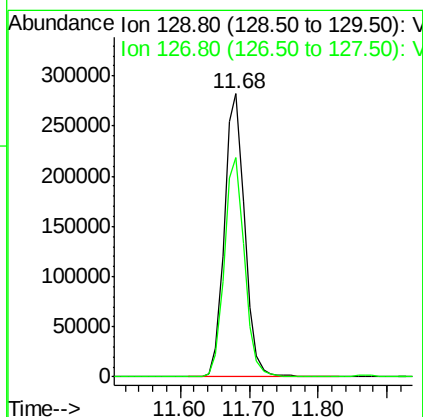
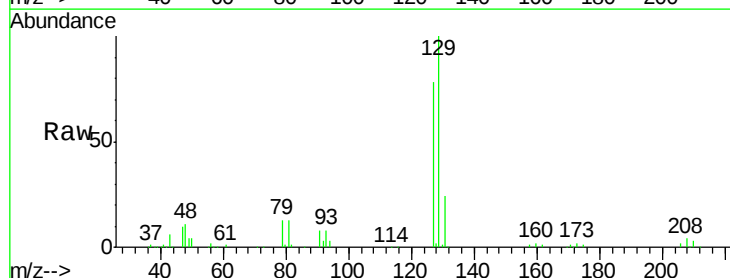
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

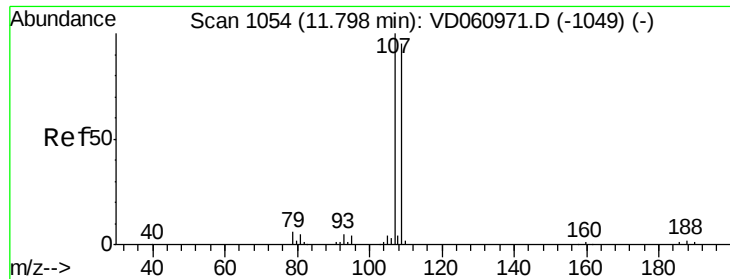
Tgt Ion: 43 Resp: 1107149
Ion Ratio Lower Upper
43 100
58 55.2 26.5 79.5



#60
Dibromochloromethane
Concen: 64.504 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion: 129 Resp: 574916
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9

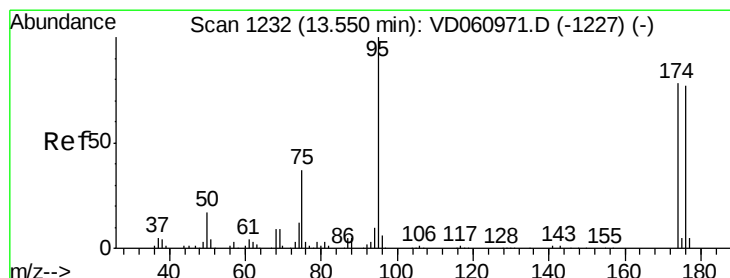
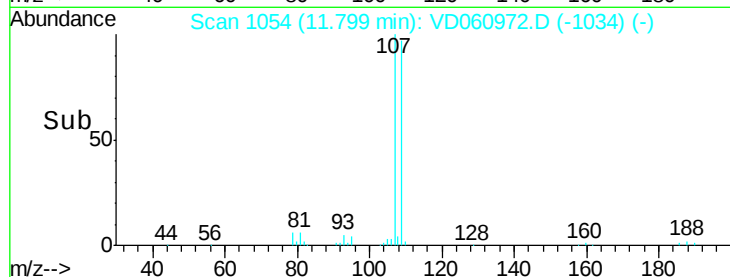
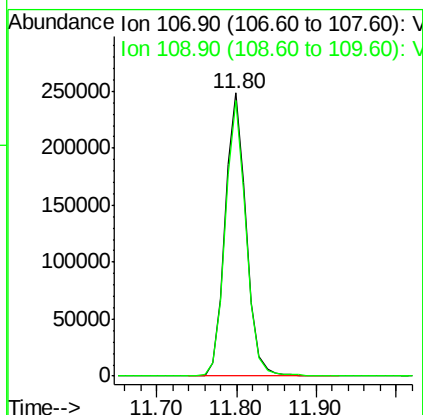
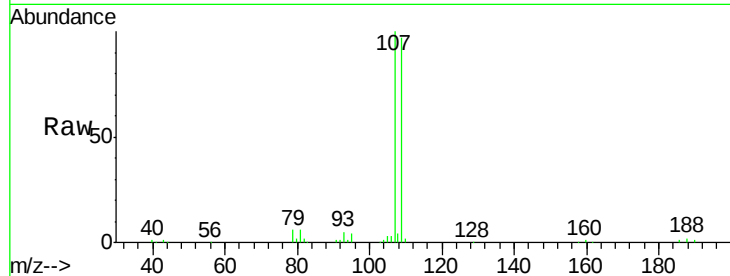




#61
 1,2-Dibromoethane
 Concen: 63.632 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

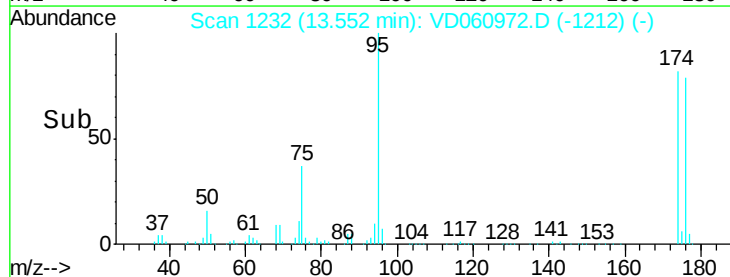
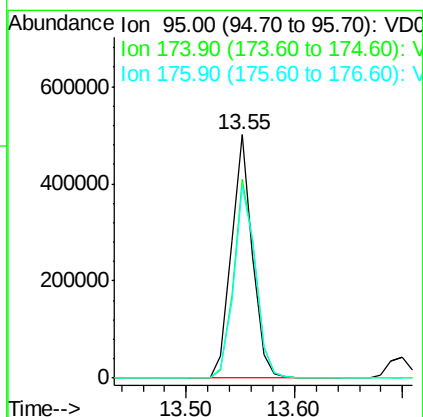
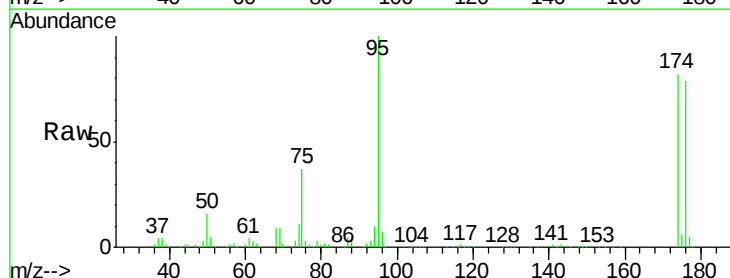
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

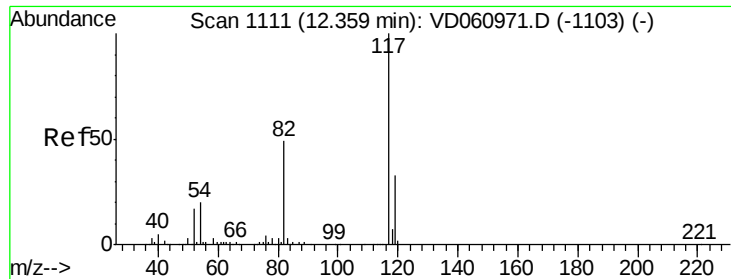
Tgt Ion: 107 Resp: 461265
 Ion Ratio Lower Upper
 107 100
 109 97.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 63.632 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion: 95 Resp: 676880
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 155.6
 176 78.9 0.0 153.8

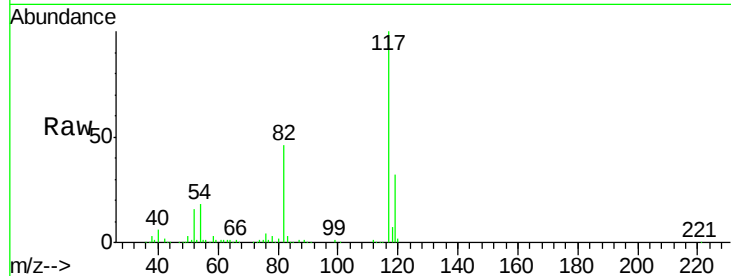




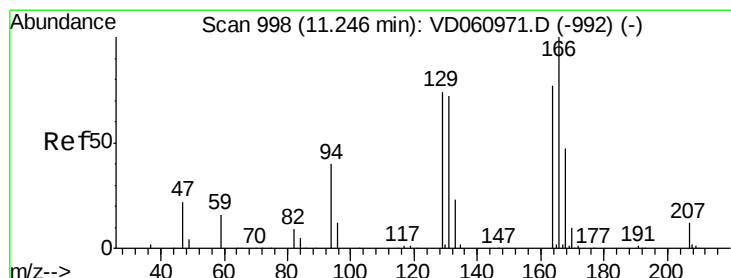
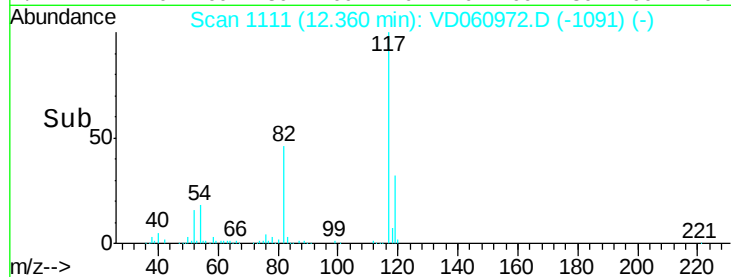
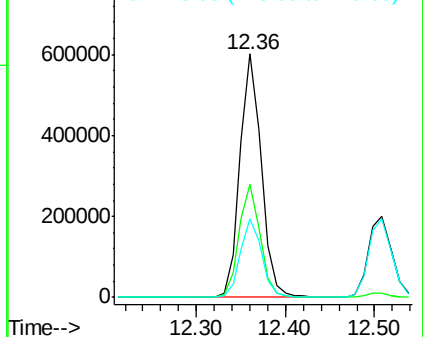
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 1008369
Ion Ratio Lower Upper
117 100
82 46.4 38.9 58.3
119 32.5 26.6 39.8

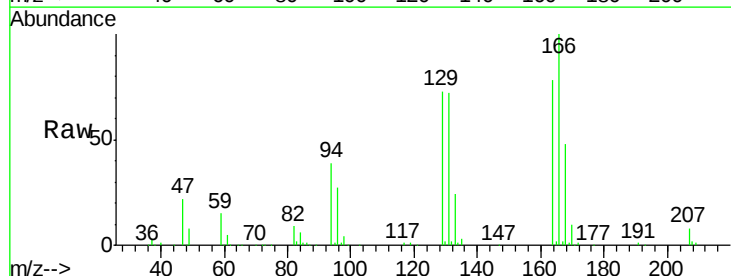


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

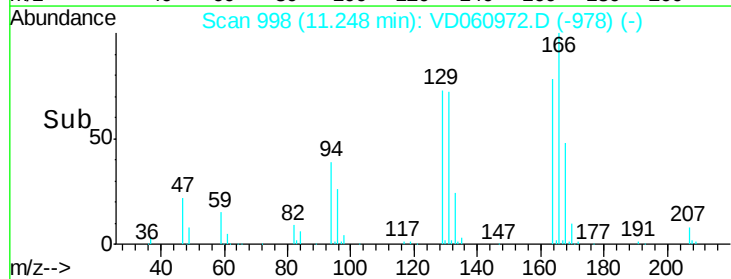
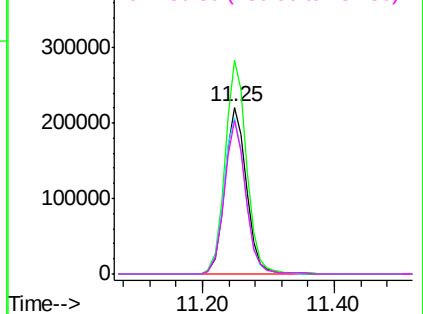


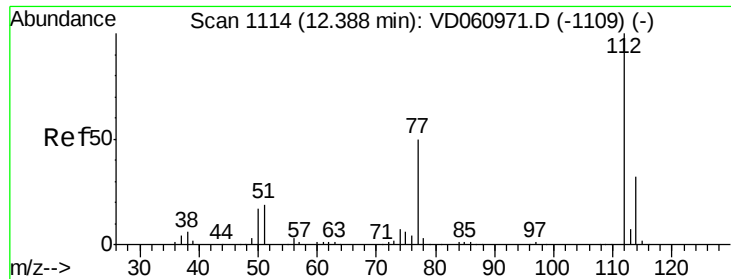
#64
Tetrachloroethene
Concen: 66.366 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion:164 Resp: 505954
Ion Ratio Lower Upper
164 100
166 128.4 103.4 155.0
129 94.1 76.9 115.3
131 92.0 74.4 111.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 60.929 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

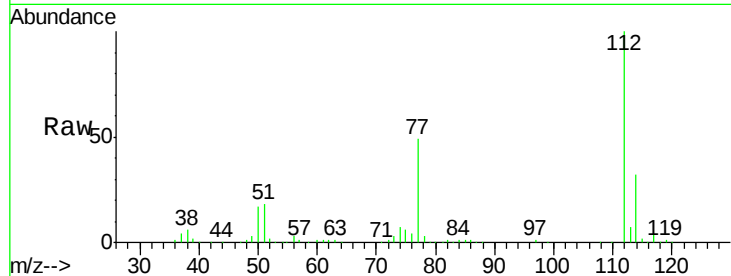
VSTDIC075

Tgt Ion:112 Resp: 1345513

Ion Ratio Lower Upper

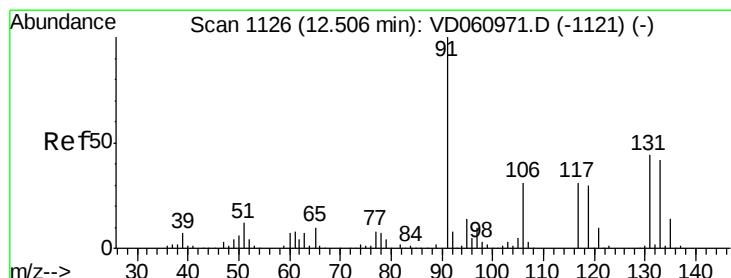
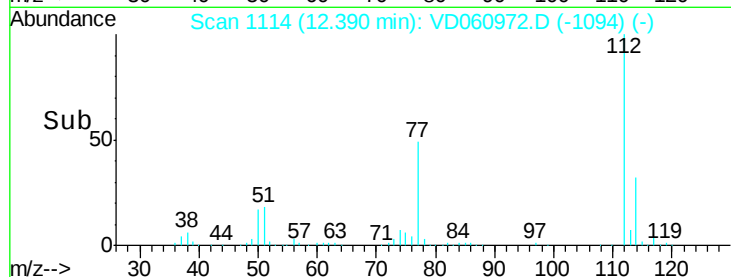
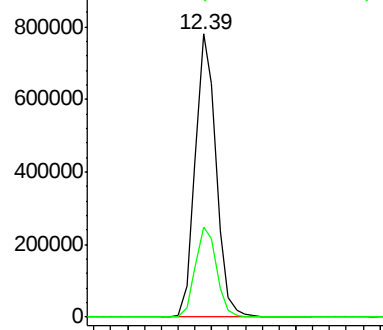
112 100

114 31.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 61.886 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

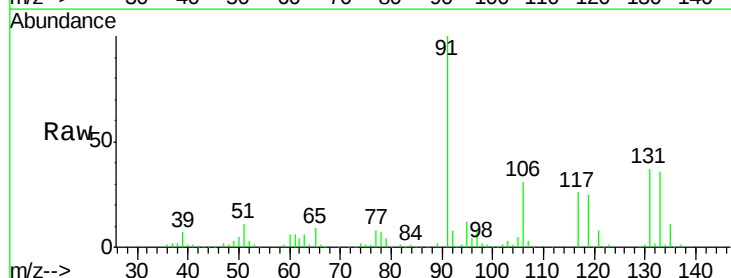
Tgt Ion:131 Resp: 494376

Ion Ratio Lower Upper

131 100

133 97.3 47.8 143.3

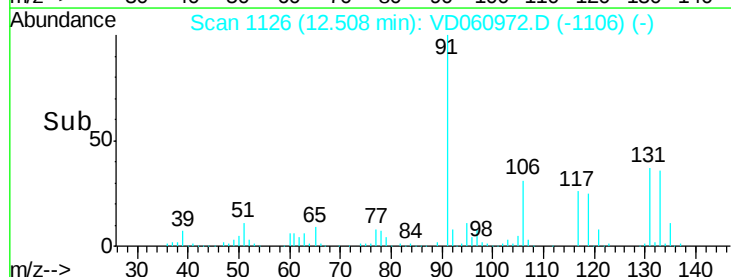
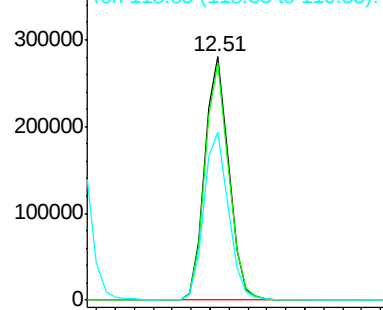
119 69.1 34.3 102.9

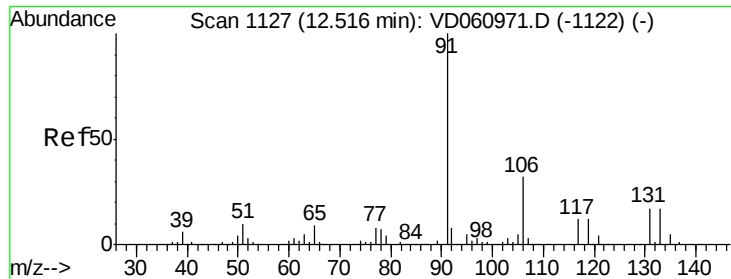


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

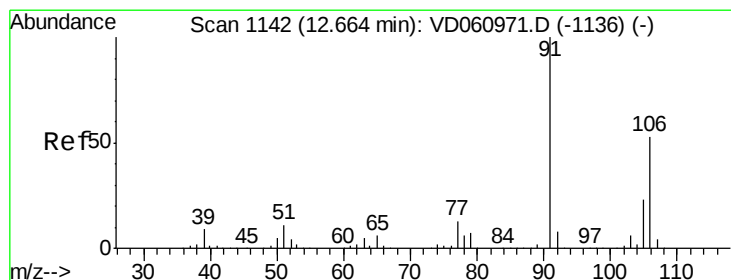
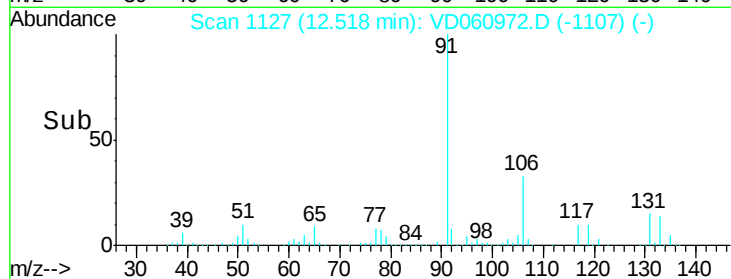
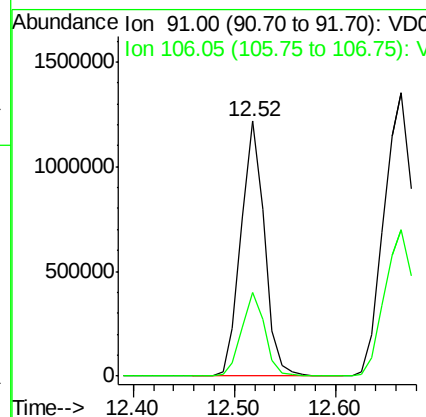
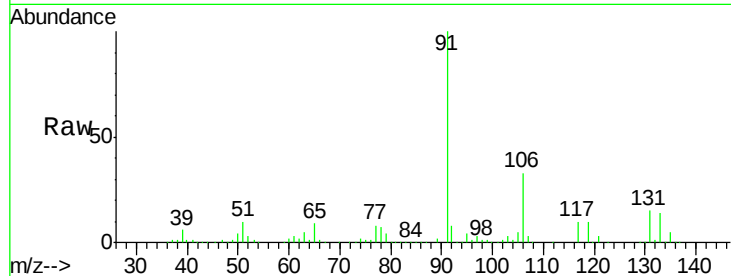




#67
Ethyl Benzene
Concen: 60.822 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

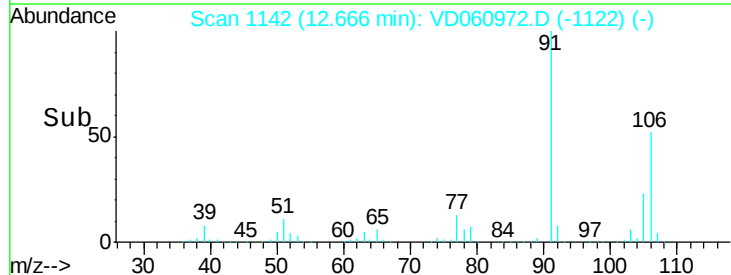
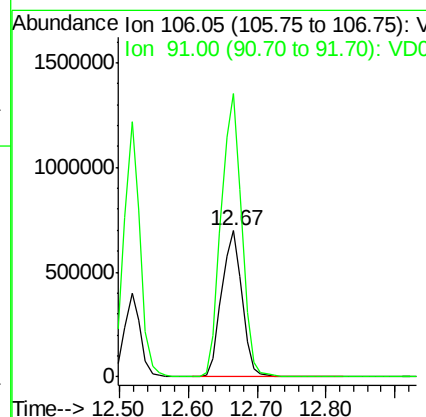
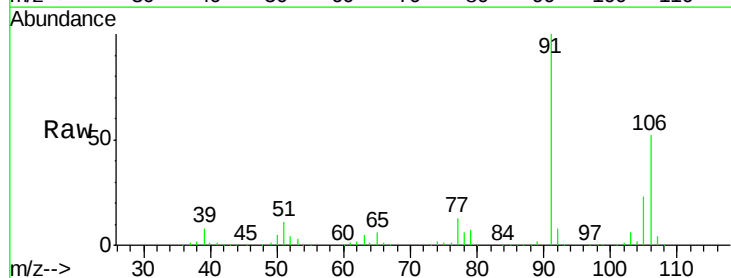
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

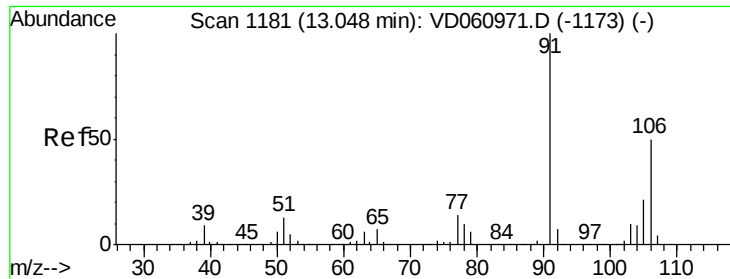
Tgt Ion: 91 Resp: 1965154
Ion Ratio Lower Upper
91 100
106 32.9 25.7 38.5



#68
m/p-Xylenes
Concen: 110.252 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion: 106 Resp: 1428540
Ion Ratio Lower Upper
106 100
91 194.0 152.0 228.0

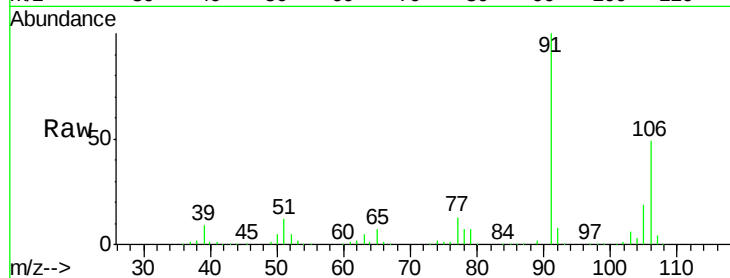




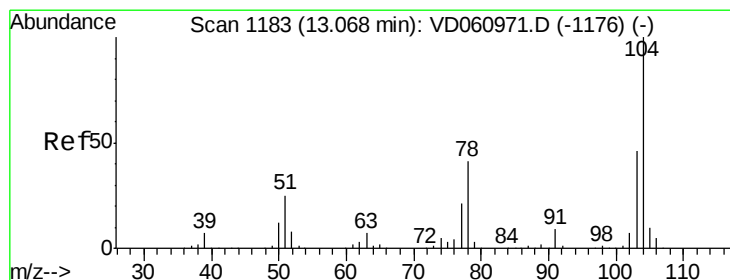
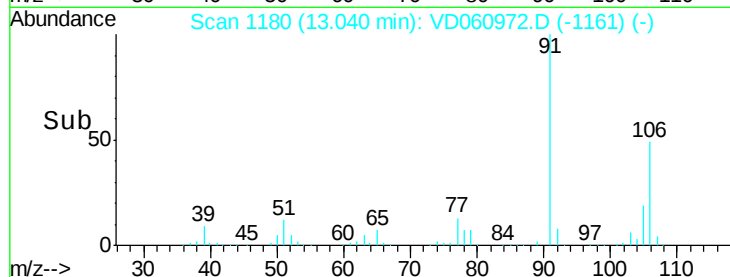
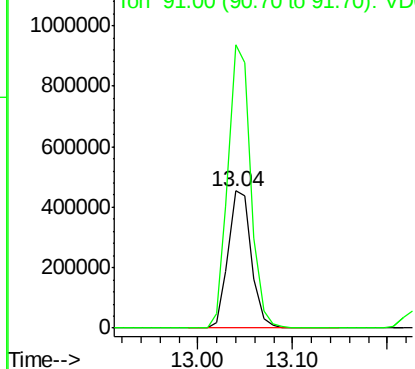
#69
o-Xylene
Concen: 64.538 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 777652
Ion Ratio Lower Upper
106 100
91 206.0 99.8 299.3

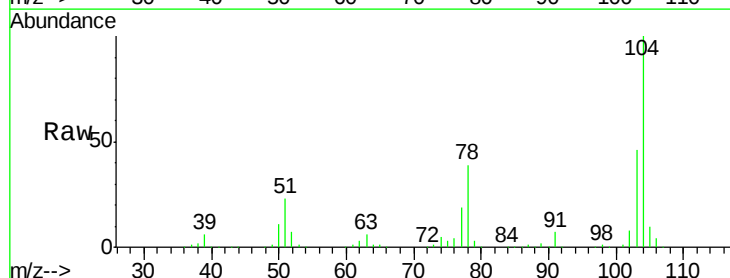


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

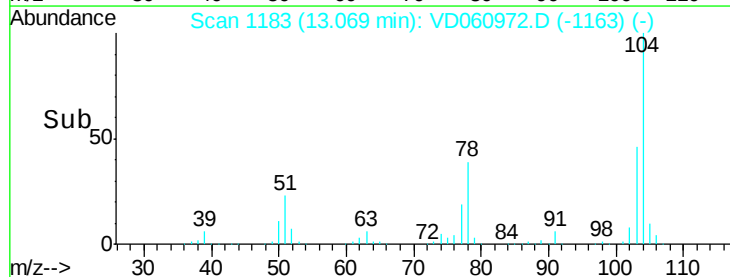
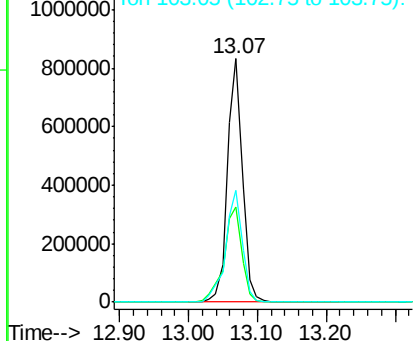


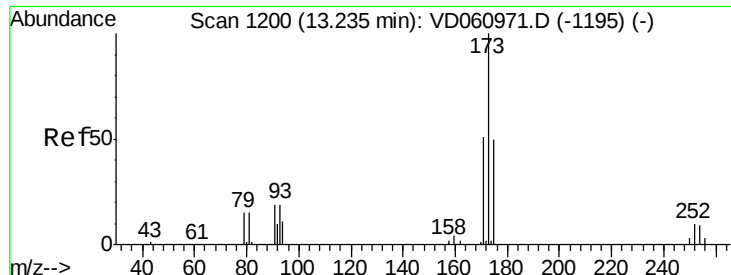
#70
Styrene
Concen: 61.968 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion:104 Resp: 1246287
Ion Ratio Lower Upper
104 100
78 39.0 33.0 49.4
103 45.7 37.1 55.7



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

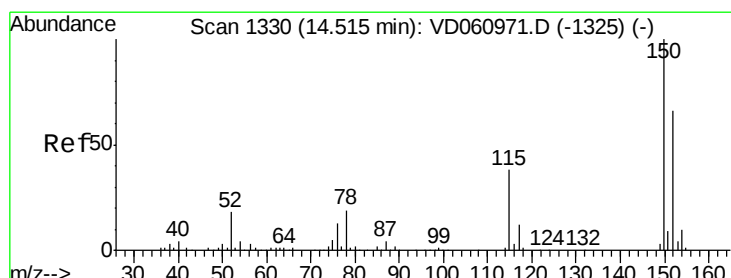
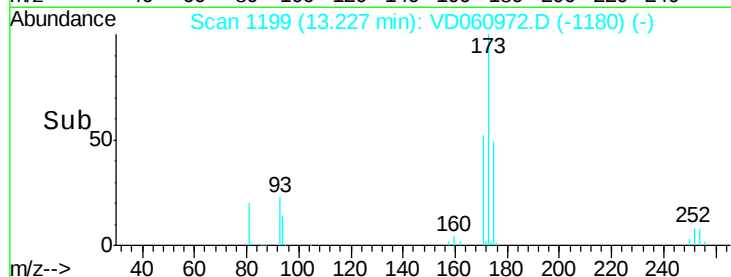
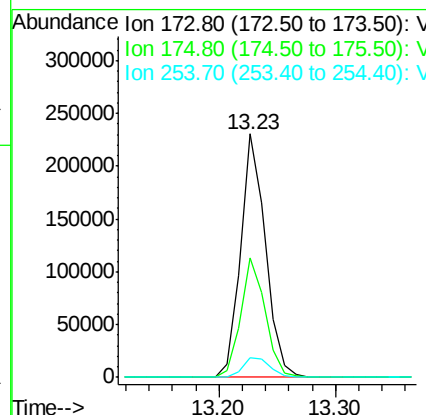
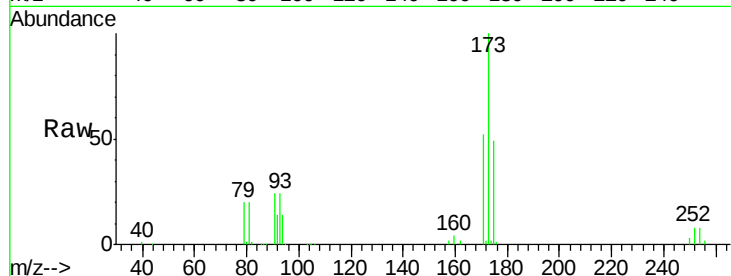




#71
Bromoform
Concen: 67.637 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

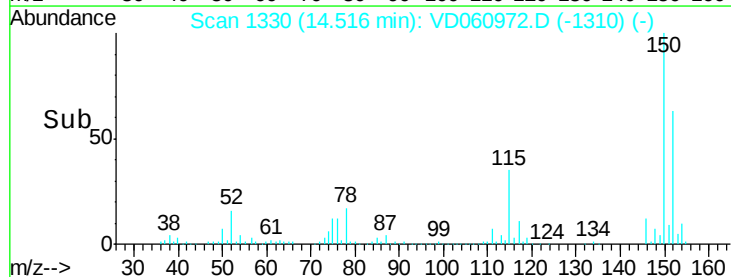
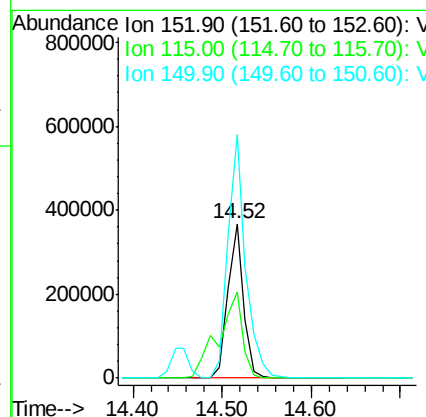
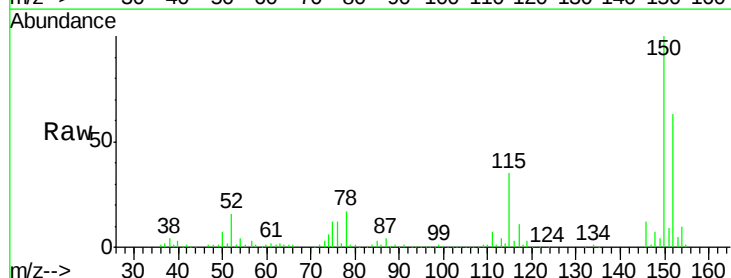
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

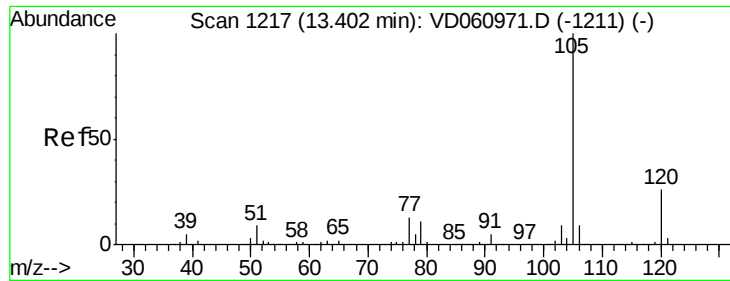
Tgt Ion:173 Resp: 340043
Ion Ratio Lower Upper
173 100
175 49.0 24.9 74.8
254 7.8 7.3 10.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion:152 Resp: 457348
Ion Ratio Lower Upper
152 100
115 55.9 28.6 85.9
150 157.9 0.0 310.6





#73

Isopropylbenzene

Concen: 59.611 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

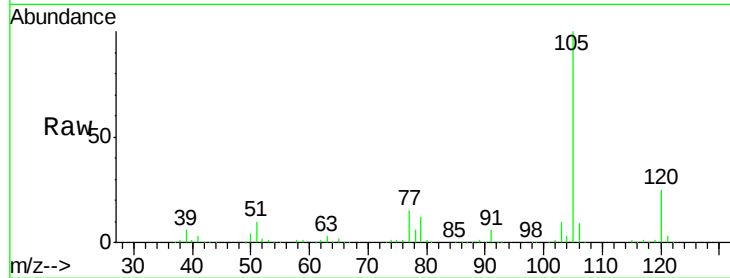
VSTDIC075

Tgt Ion:105 Resp: 2083688

Ion Ratio Lower Upper

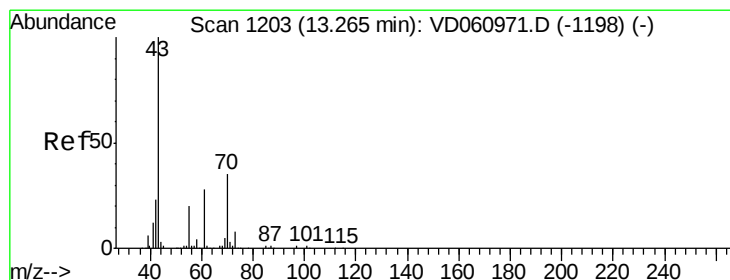
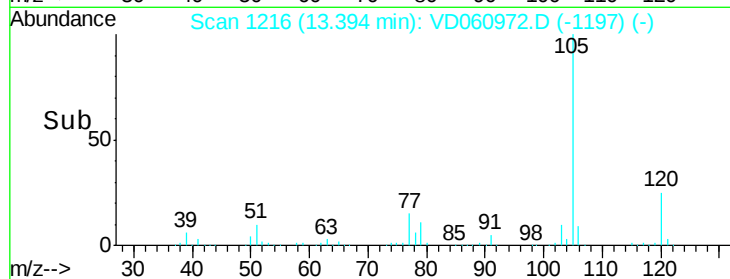
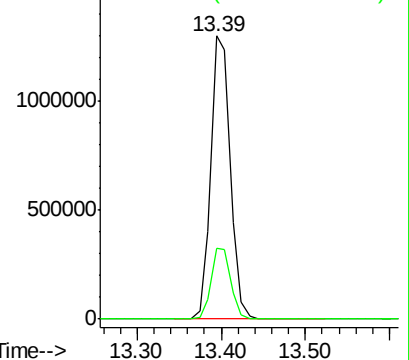
105 100

120 24.9 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 63.575 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Tgt Ion: 43 Resp: 671764

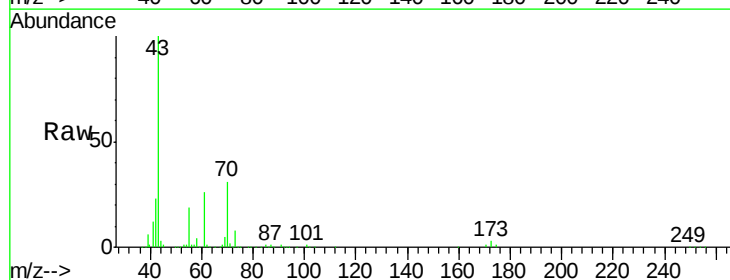
Ion Ratio Lower Upper

43 100

70 30.9 27.7 41.5

55 18.8 16.2 24.2

61 25.6 22.3 33.5

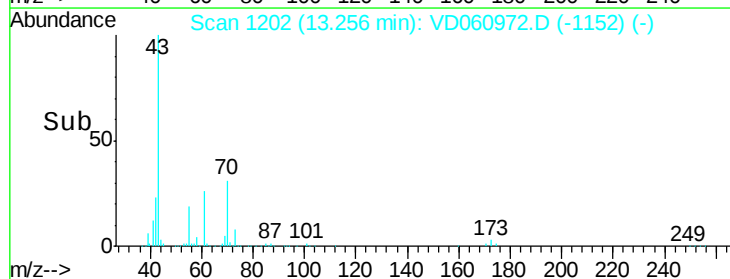
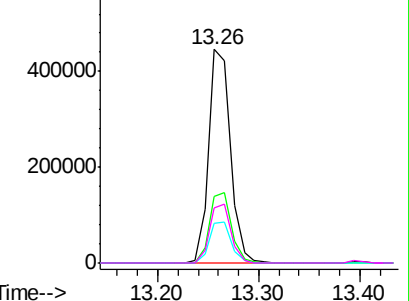


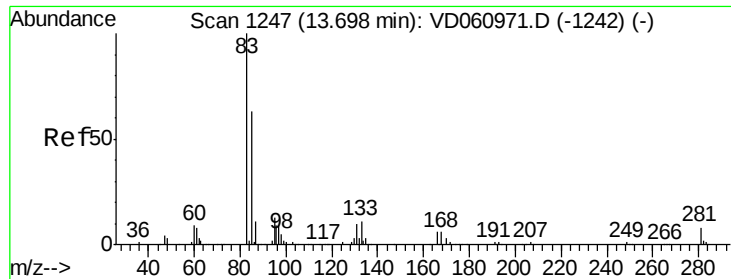
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 62.210 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

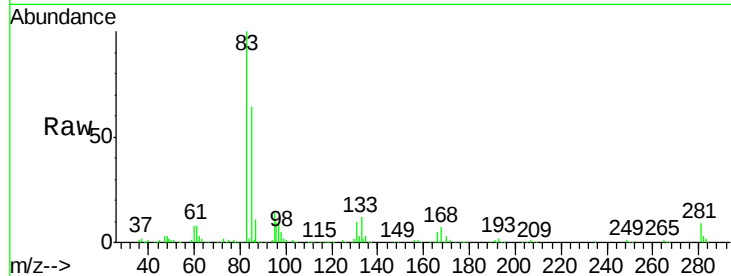
Tgt Ion: 83 Resp: 451255

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

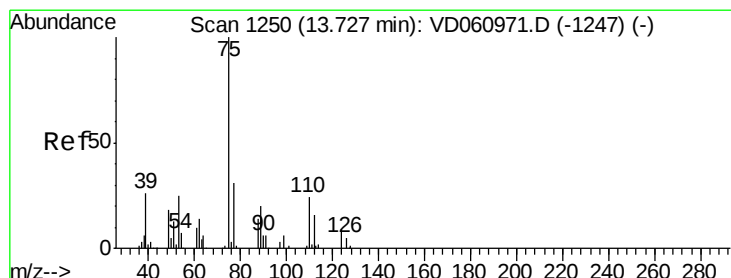
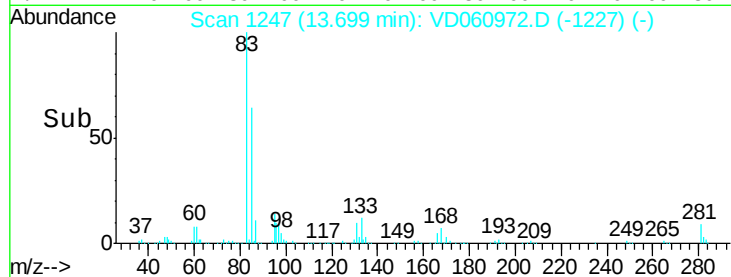
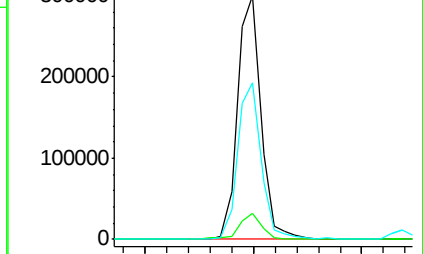
85 64.3 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 62.219 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD060972.D

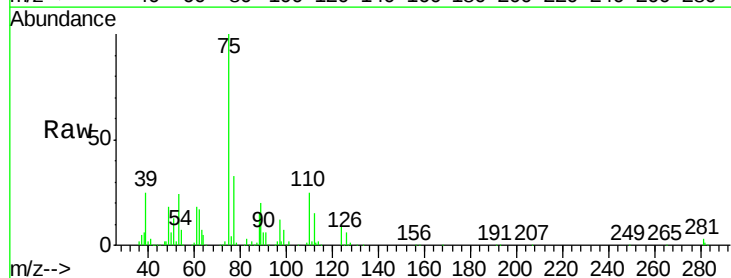
Acq: 7 Mar 2019 16:58

Tgt Ion: 75 Resp: 458688

Ion Ratio Lower Upper

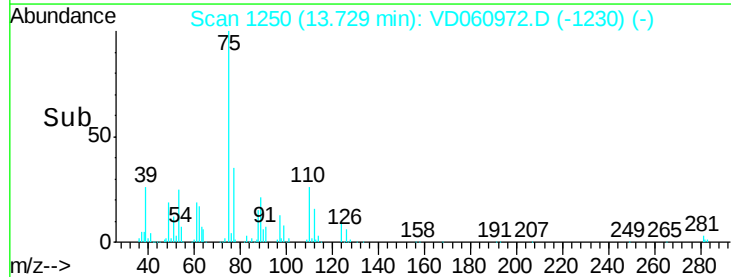
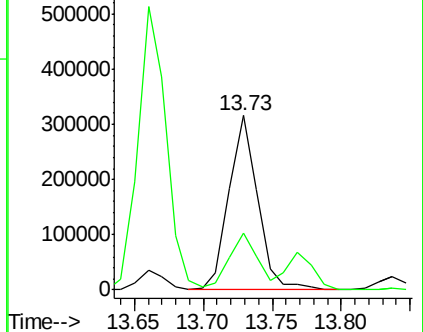
75 100

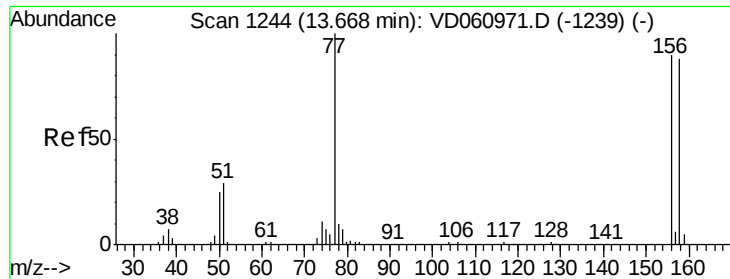
77 32.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 62.637 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

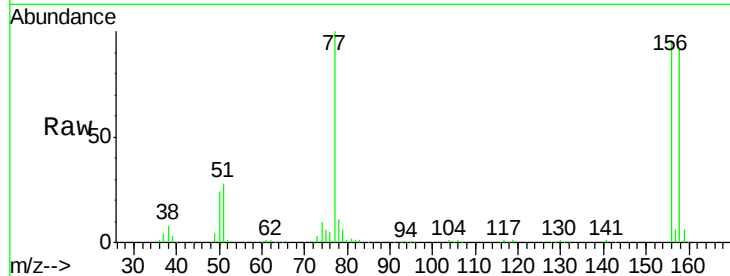
Tgt Ion:156 Resp: 575366

Ion Ratio Lower Upper

156 100

77 104.4 55.5 166.7

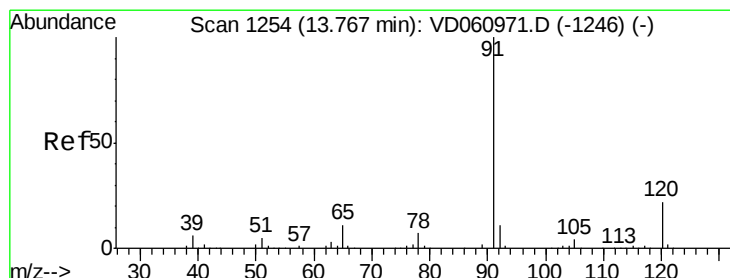
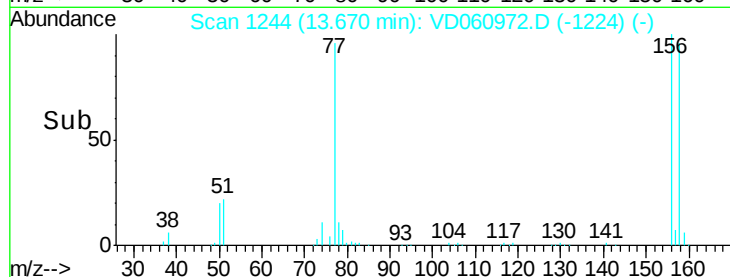
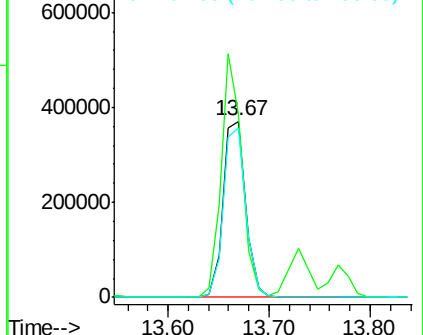
158 96.1 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 62.642 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD060972.D

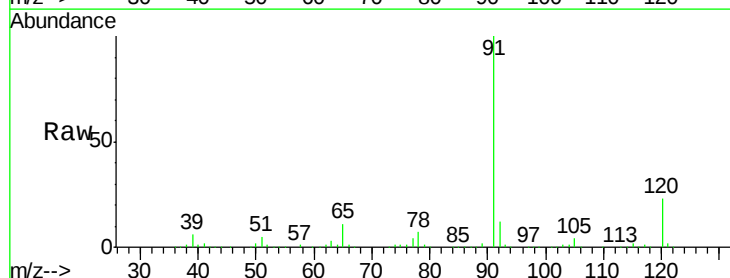
Acq: 7 Mar 2019 16:58

Tgt Ion: 91 Resp: 2555970

Ion Ratio Lower Upper

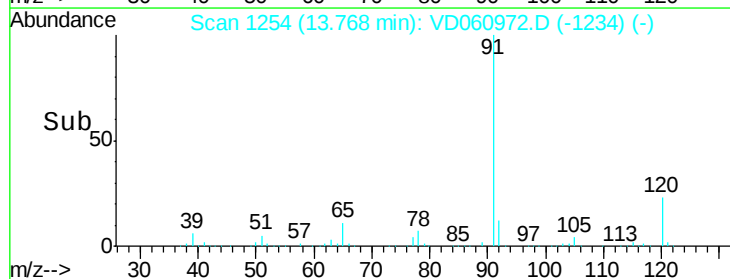
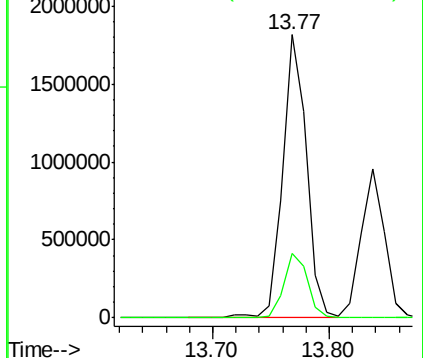
91 100

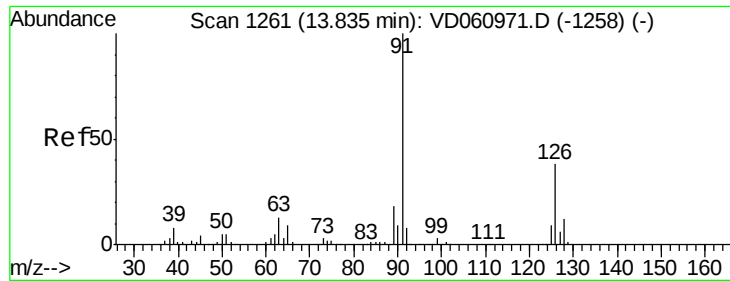
120 23.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

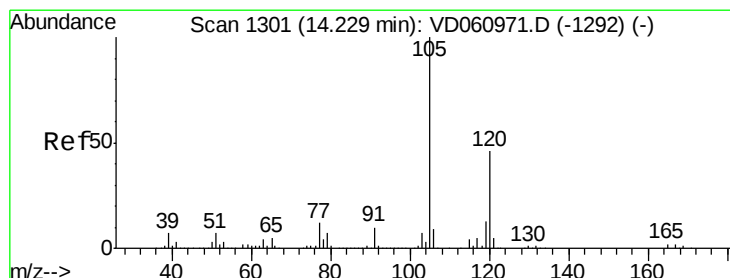
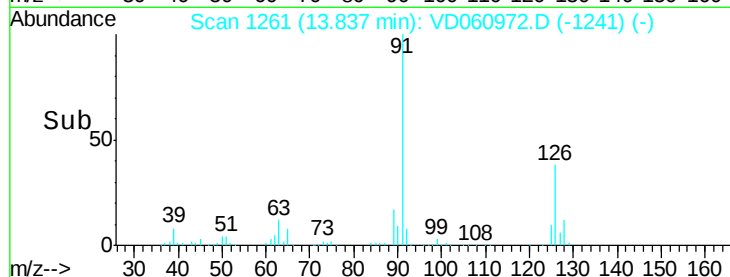
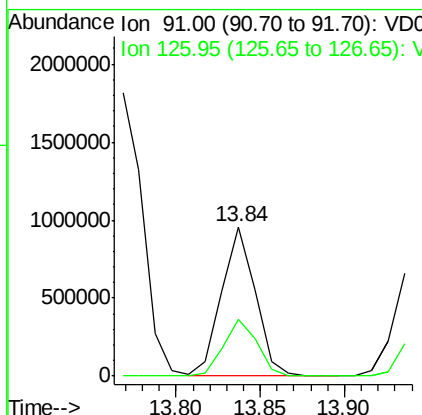
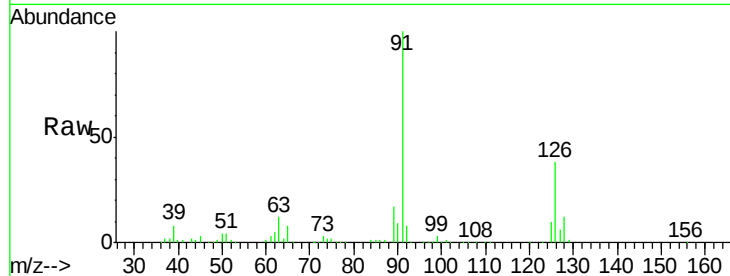




#79
2-Chlorotoluene
Concen: 58.329 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

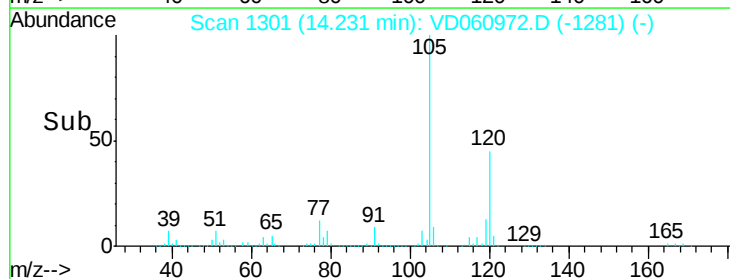
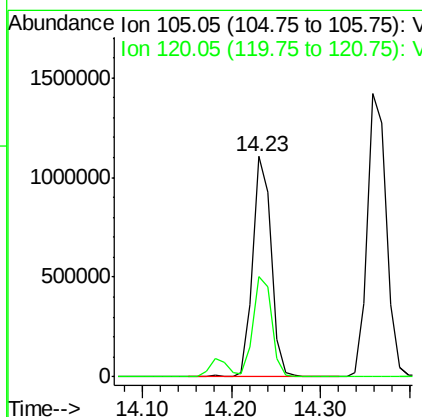
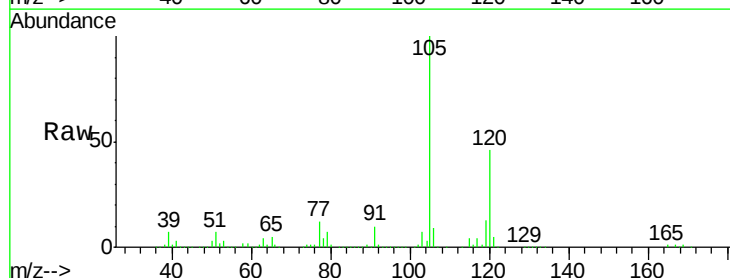
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

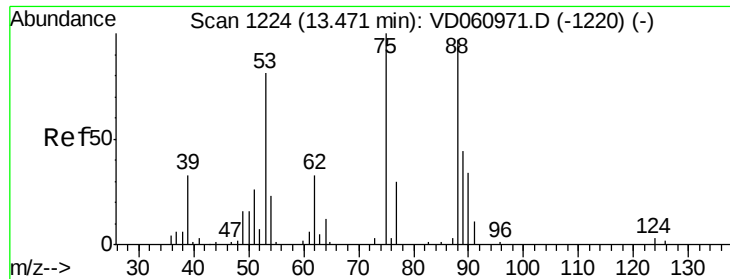
Tgt Ion: 91 Resp: 1332139
Ion Ratio Lower Upper
91 100
126 37.9 18.6 55.6



#80
1,3,5-Trimethylbenzene
Concen: 58.091 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD060972.D
Acq: 7 Mar 2019 16:58

Tgt Ion: 105 Resp: 1568926
Ion Ratio Lower Upper
105 100
120 45.5 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 66.848 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

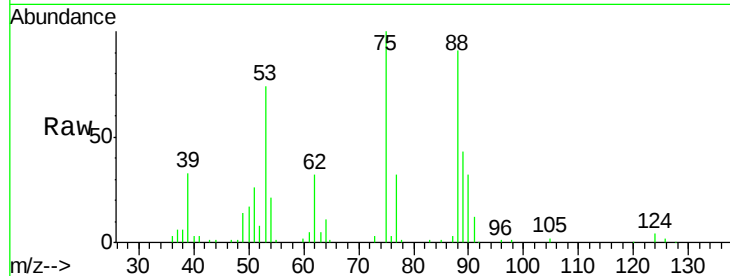
Tgt Ion: 75 Resp: 145275

Ion Ratio Lower Upper

75 100

53 73.7 64.4 96.6

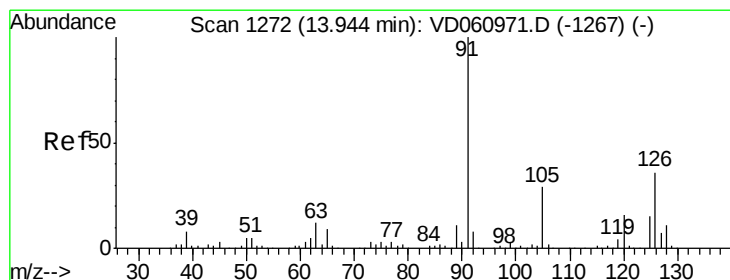
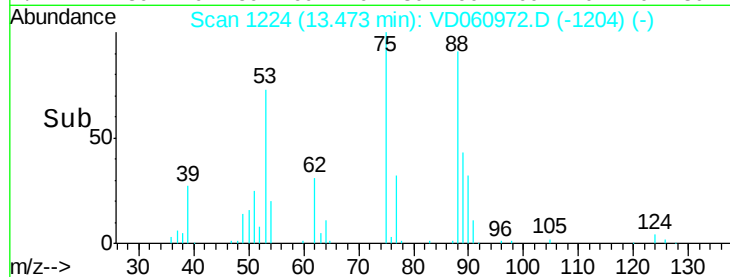
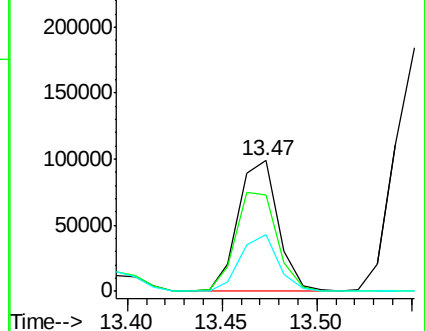
89 43.0 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 53.058 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD060972.D

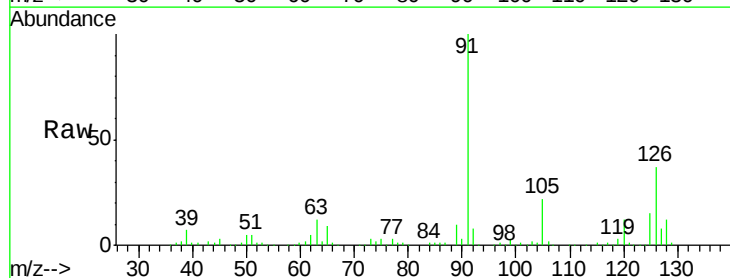
Acq: 7 Mar 2019 16:58

Tgt Ion: 91 Resp: 1360896

Ion Ratio Lower Upper

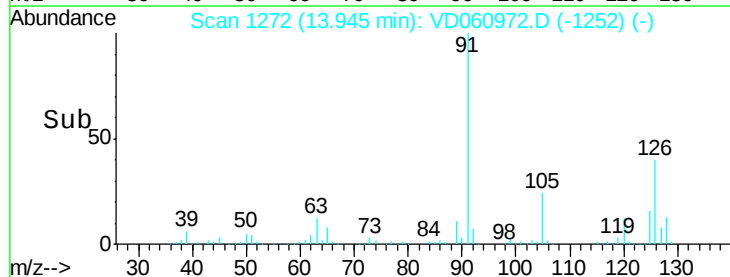
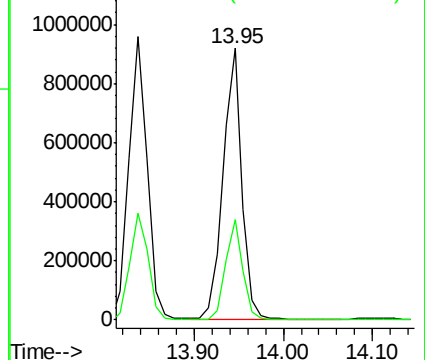
91 100

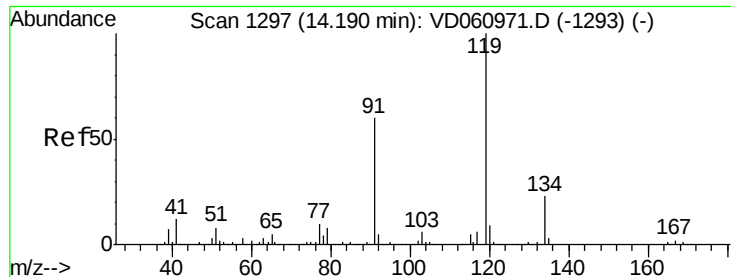
126 37.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

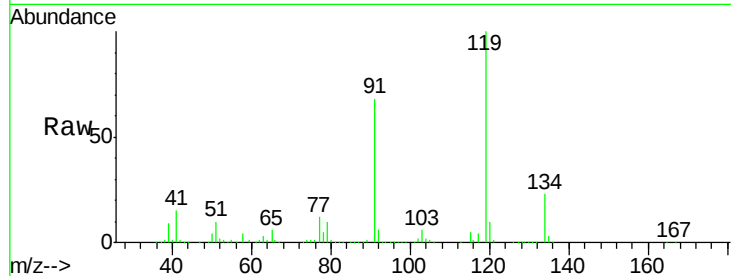




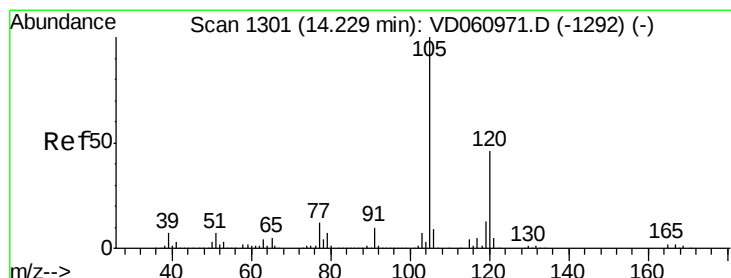
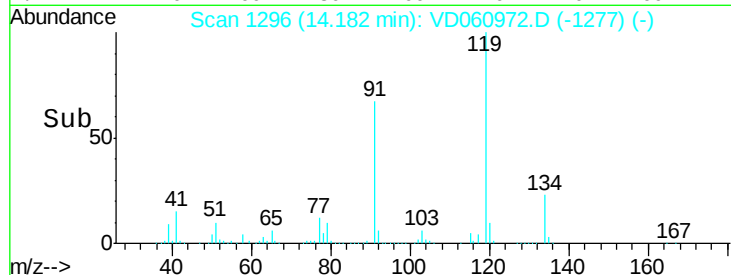
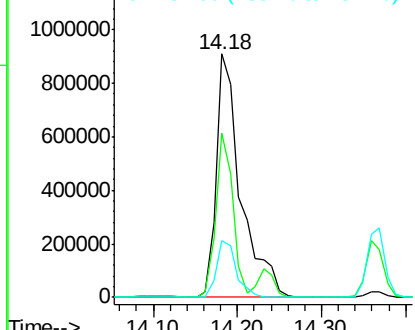
#83
 tert-Butylbenzene
 Concen: 60.862 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 1829836
 Ion Ratio Lower Upper
 119 100
 91 67.7 30.1 90.3
 134 23.2 11.6 34.7

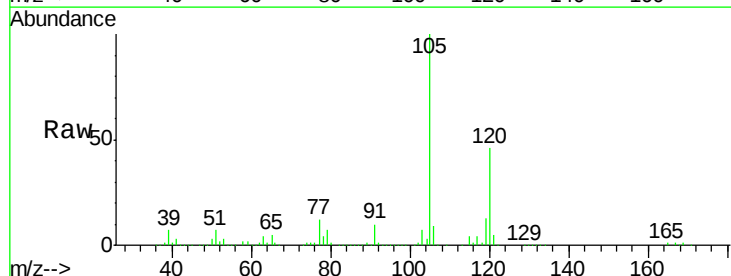


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): VD
 Ion 134.00 (133.70 to 134.70): V

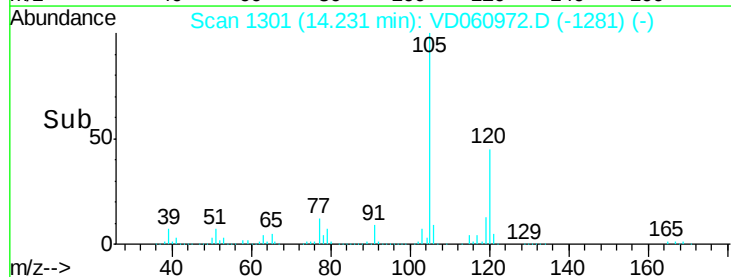
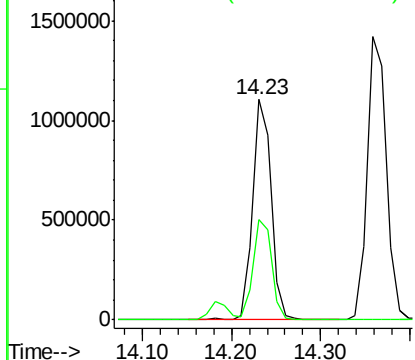


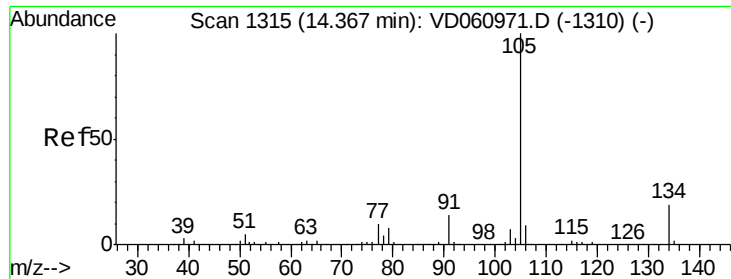
#84
 1,2,4-Trimethylbenzene
 Concen: 58.091 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion:105 Resp: 1568926
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 59.011 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

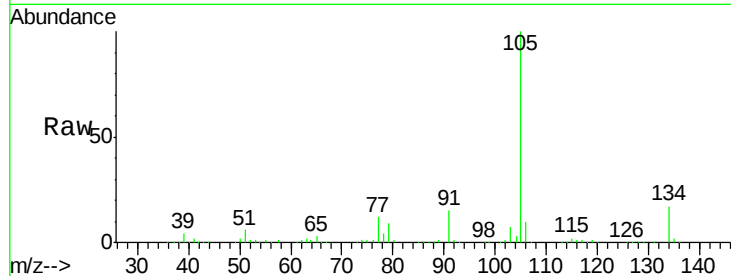
VSTDIC075

Tgt Ion:105 Resp: 2070393

Ion Ratio Lower Upper

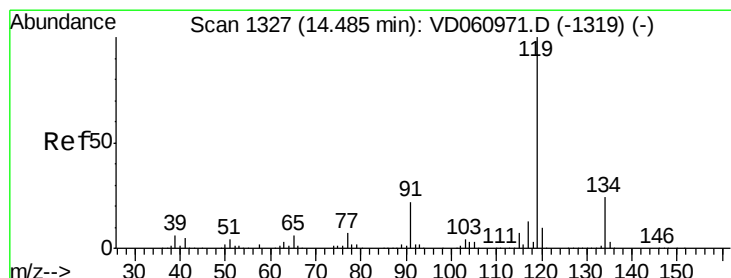
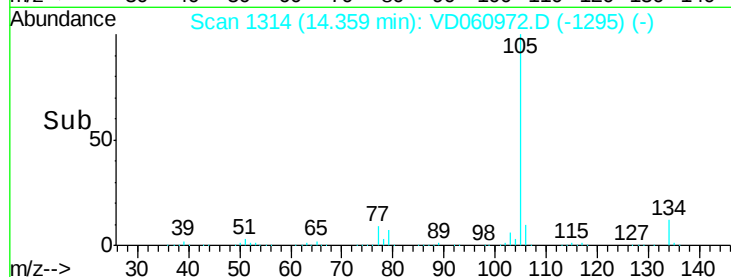
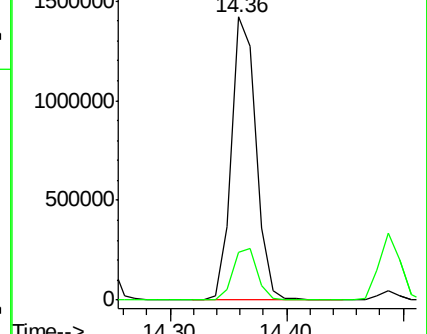
105 100

134 16.8 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 60.057 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

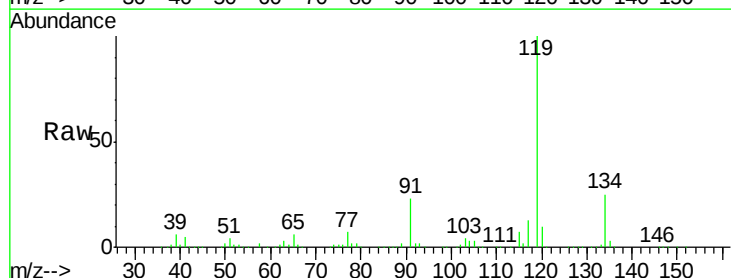
Tgt Ion:119 Resp: 1735926

Ion Ratio Lower Upper

119 100

134 24.9 12.0 36.1

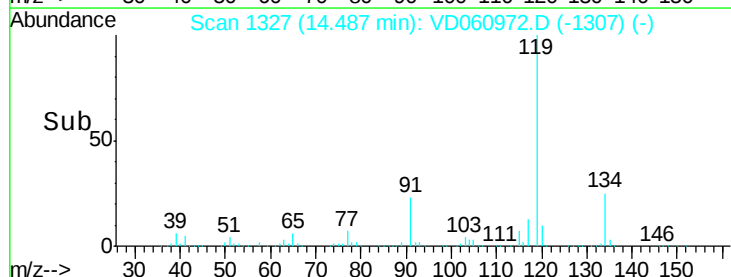
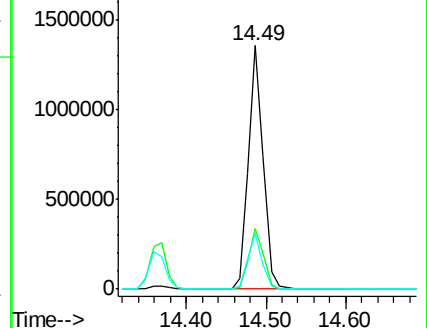
91 22.7 11.2 33.6

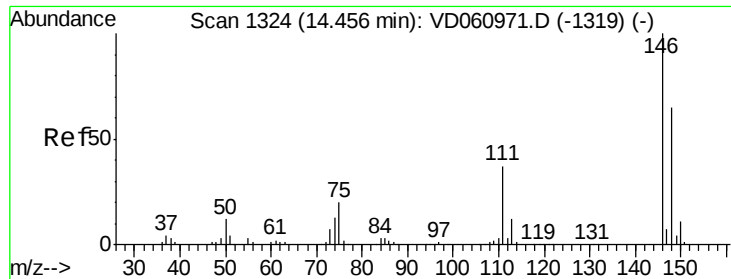


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

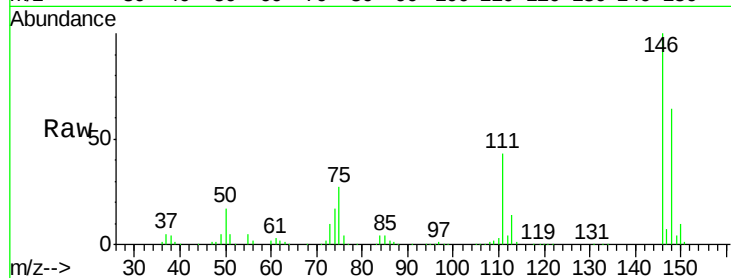




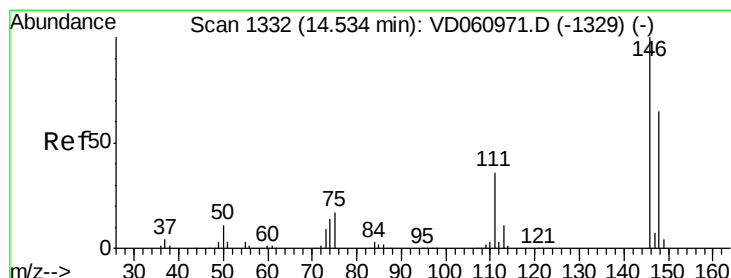
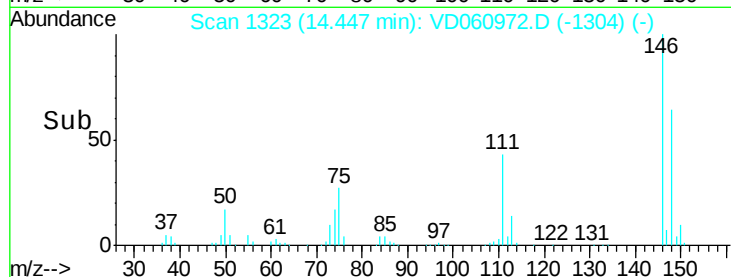
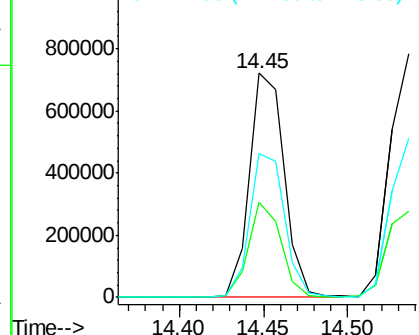
#87
 1,3-Dichlorobenzene
 Concen: 66.425 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:146 Resp: 1037113
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.4 55.4
 148 64.0 32.5 97.4

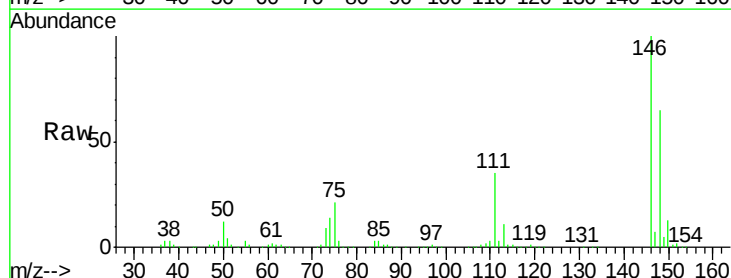


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

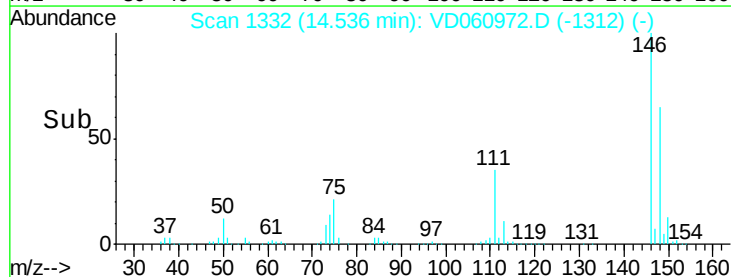
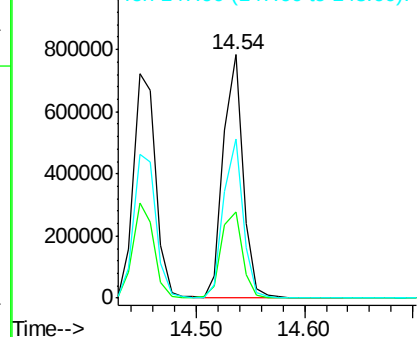


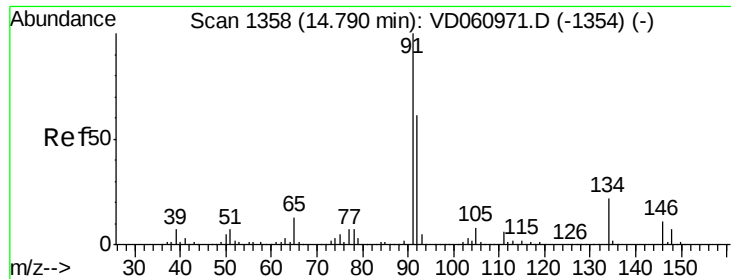
#88
 1,4-Dichlorobenzene
 Concen: 64.353 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion:146 Resp: 994272
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.4 55.2
 148 65.2 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 56.911 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

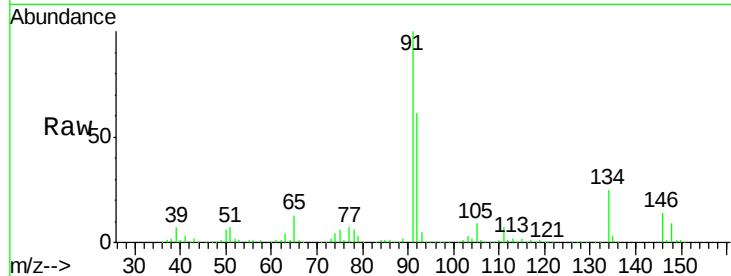
Tgt Ion: 91 Resp: 1539555

Ion Ratio Lower Upper

91 100

92 61.0 30.6 91.8

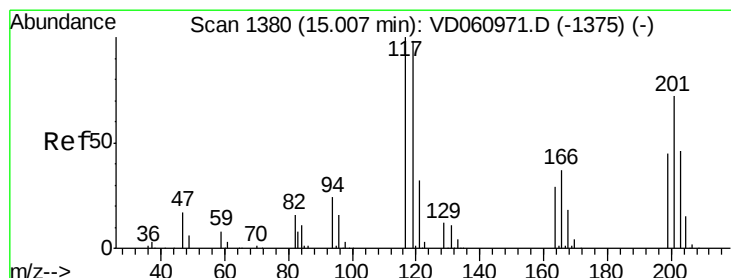
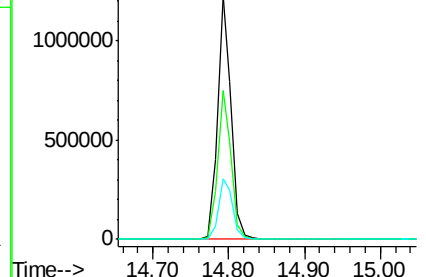
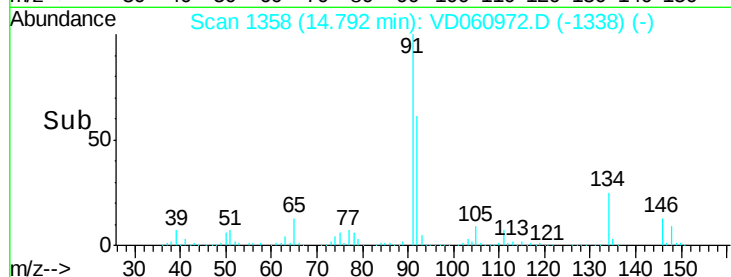
134 24.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 63.728 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060972.D

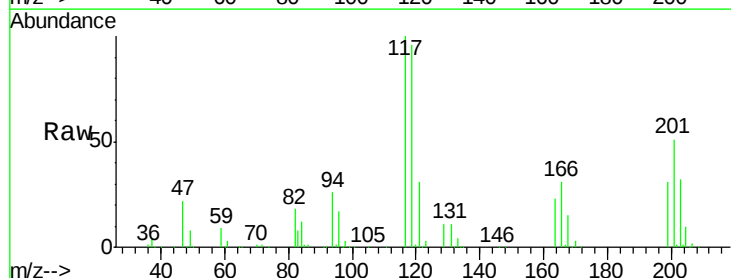
Acq: 7 Mar 2019 16:58

Tgt Ion: 117 Resp: 531090

Ion Ratio Lower Upper

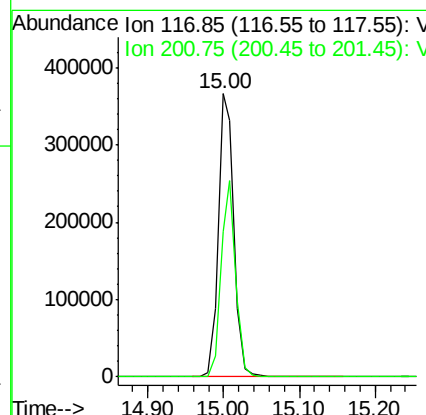
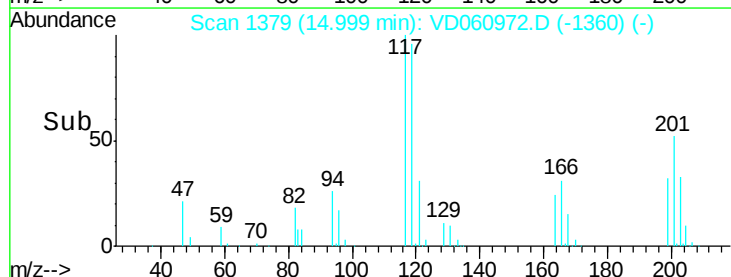
117 100

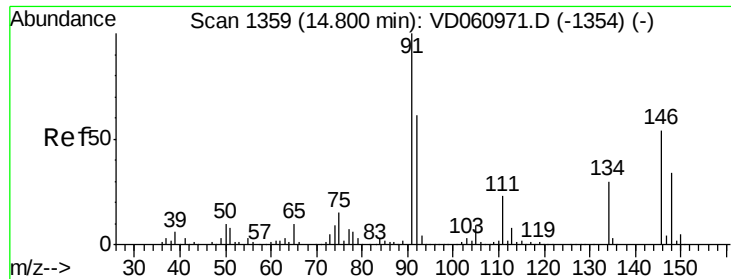
201 51.4 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

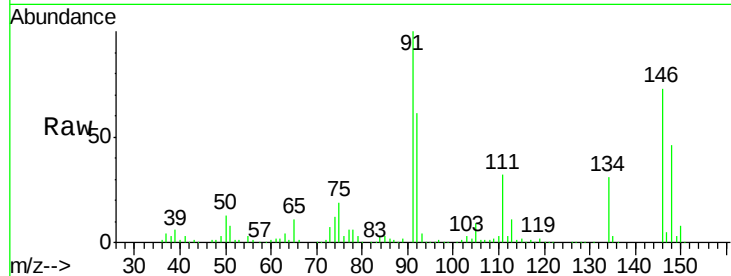




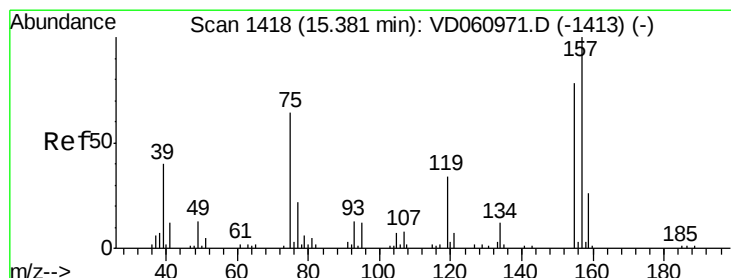
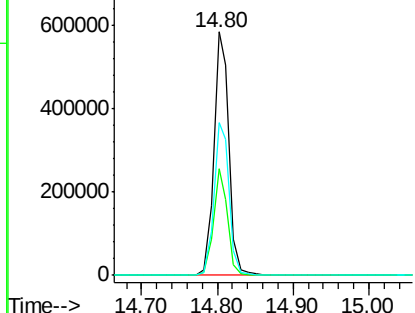
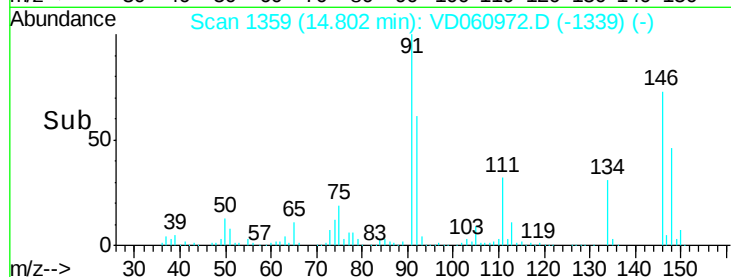
#91
 1,2-Dichlorobenzene
 Concen: 59.763 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 146 Resp: 813900
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.5 64.5
 148 63.0 30.9 92.8

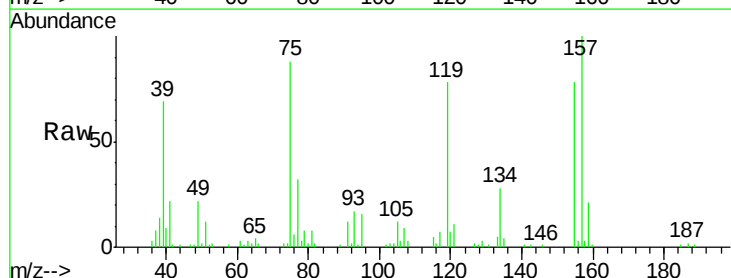


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

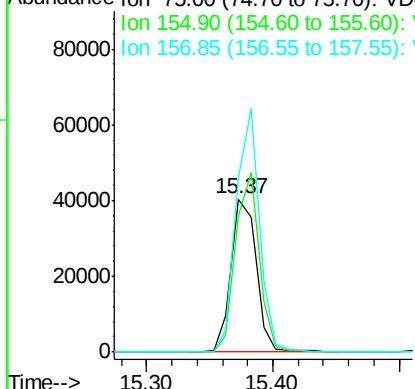
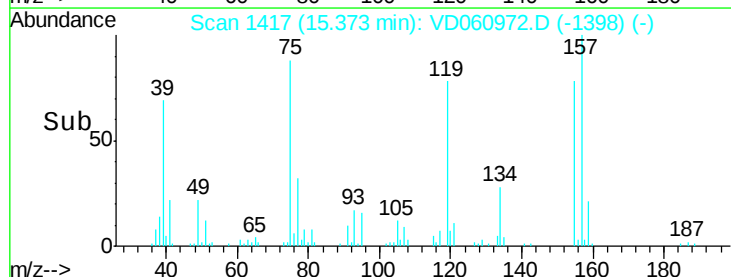


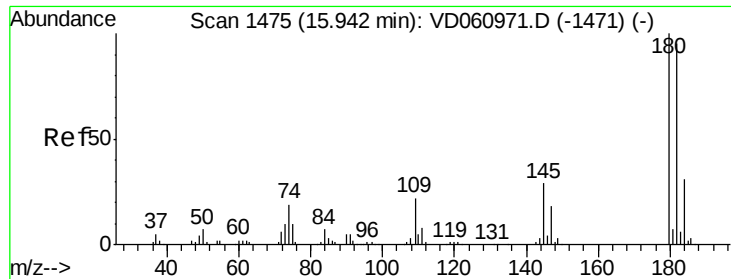
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.606 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion: 75 Resp: 55903
 Ion Ratio Lower Upper
 75 100
 155 89.2 61.2 183.5
 157 113.8 78.3 234.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

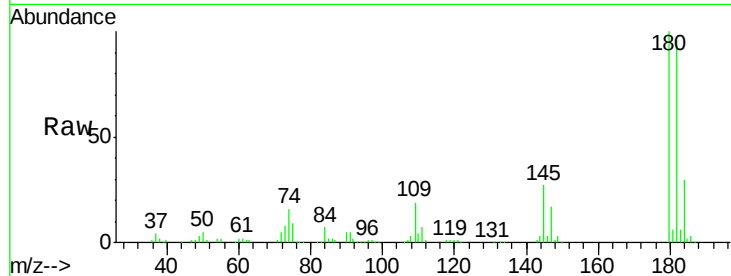




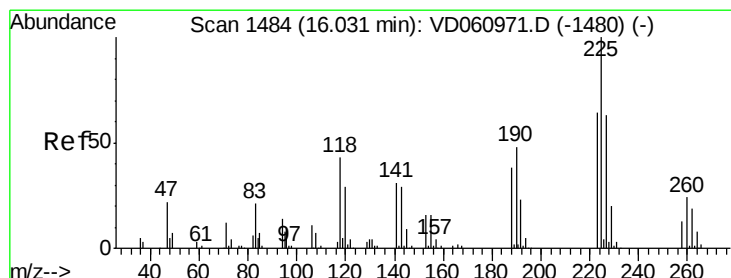
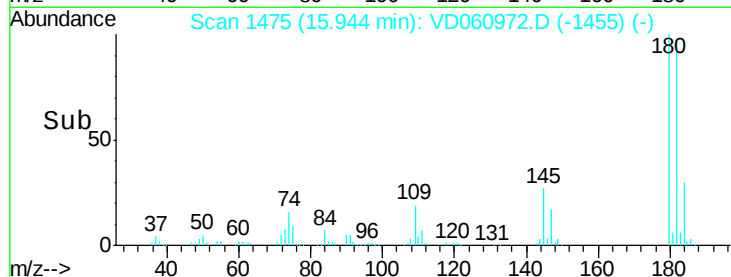
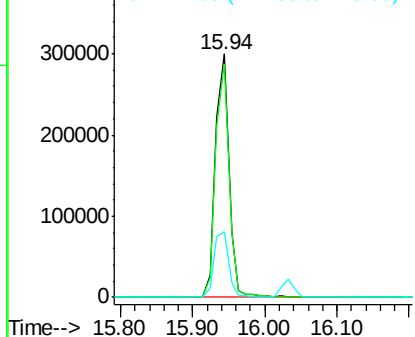
#93
 1,2,4-Trichlorobenzene
 Concen: 50.516 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 388006
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 142.0
 145 26.9 14.4 43.0

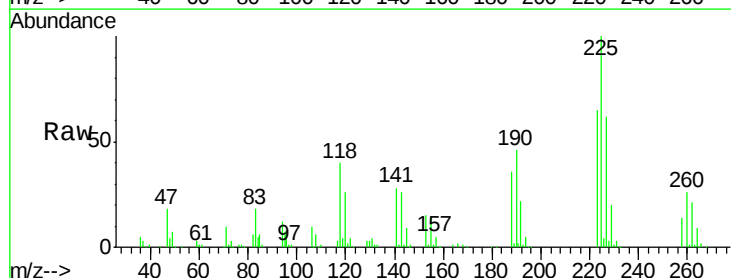


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

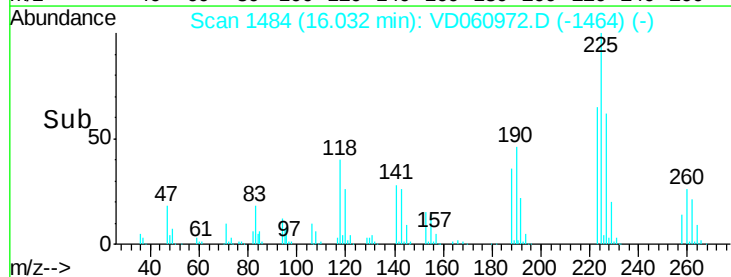
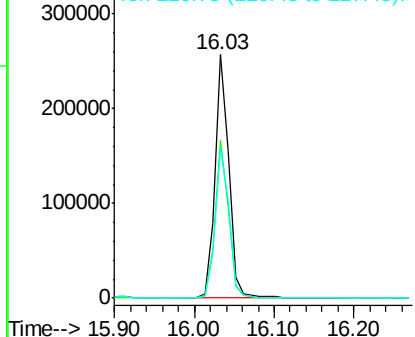


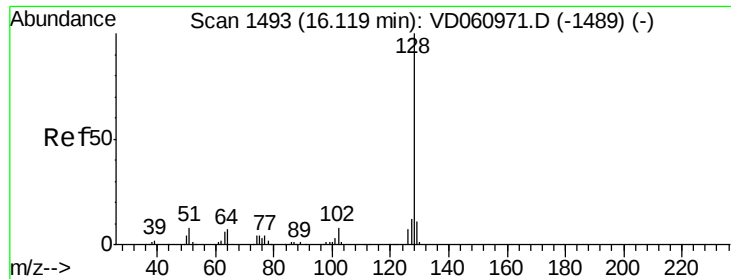
#94
 Hexachlorobutadiene
 Concen: 64.110 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD060972.D
 Acq: 7 Mar 2019 16:58

Tgt Ion:225 Resp: 314772
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.8 95.3
 227 61.9 31.4 94.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 51.250 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

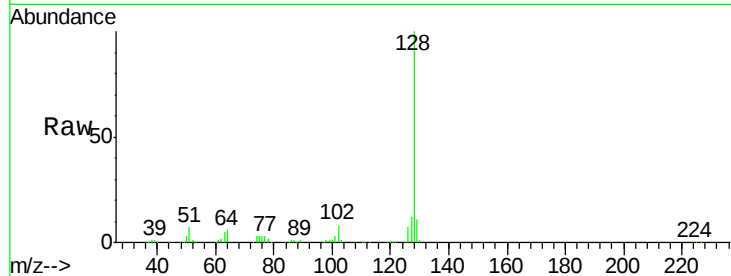
Tgt Ion:128 Resp: 608229

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.8

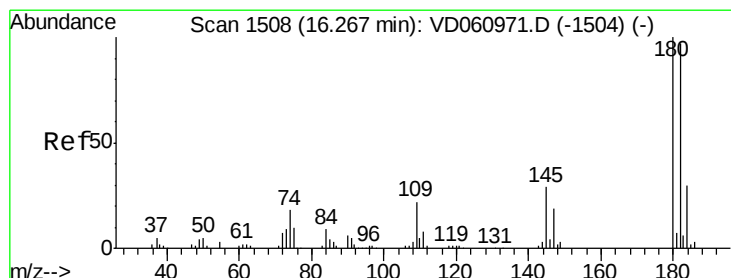
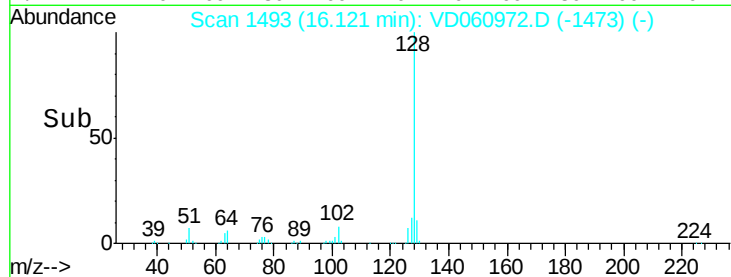
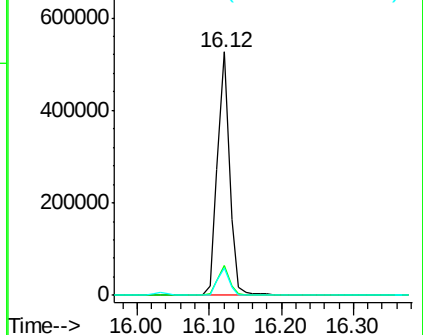
129 11.2 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.410 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD060972.D

Acq: 7 Mar 2019 16:58

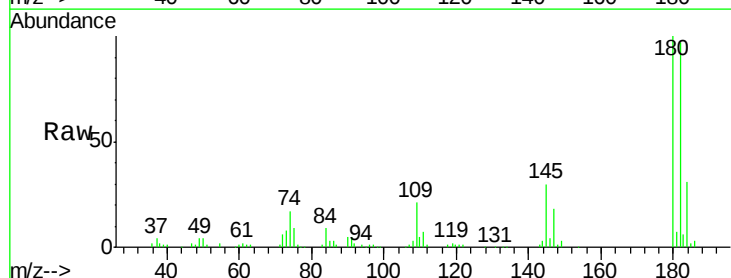
Tgt Ion:180 Resp: 214202

Ion Ratio Lower Upper

180 100

182 96.5 48.6 145.8

145 29.6 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

