

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061966.D
 Acq On : 23 Apr 2019 12:23
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Apr 23 12:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	650113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1088828	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	814588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	352578	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	384862	63.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.00%	
35) Dibromofluoromethane	6.92	113	592826	70.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	141.66%	
50) Toluene-d8	10.42	98	1378991	73.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.60%	
62) 4-Bromofluorobenzene	13.56	95	525581	64.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	425417	67.828	ug/l	100
3) Chloromethane	1.76	50	368239	74.474	ug/l	96
4) Vinyl Chloride	1.85	62	334855	75.545	ug/l	100
5) Bromomethane	2.15	94	77207	56.496	ug/l	99
6) Chloroethane	2.26	64	118006	69.905	ug/l	99
7) Trichlorofluoromethane	2.53	101	480156	66.892	ug/l	99
8) Diethyl Ether	2.87	74	136448	72.504	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	442558	69.304	ug/l	98
10) Methyl Iodide	3.31	142	743835	78.818	ug/l	99
11) Tert butyl alcohol	4.07	59	117419	360.858	ug/l	99
12) 1,1-Dichloroethene	3.13	96	375352	72.562	ug/l	96
13) Acrolein	3.04	56	107505	452.595	ug/l	94
14) Allyl chloride	3.63	41	530922	70.251	ug/l	98
15) Acrylonitrile	4.20	53	342377	338.144	ug/l	99
16) Acetone	3.22	43	478248	422.441	ug/l	97
17) Carbon Disulfide	3.38	76	1107982	72.200	ug/l	99
18) Methyl Acetate	3.65	43	167035	58.425	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	801969	67.187	ug/l	96
20) Methylene Chloride	3.82	84	429729	59.065	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	438791	69.592	ug/l	99
22) Diisopropyl ether	5.12	45	1272639	68.161	ug/l	99
23) Vinyl Acetate	5.05	43	3587098	360.764	ug/l	100
24) 1,1-Dichloroethane	4.98	63	793105	72.173	ug/l	99
25) 2-Butanone	6.08	43	625544	396.602	ug/l	95
26) 2,2-Dichloropropane	6.03	77	651895	71.863	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	511769	68.781	ug/l	97
28) Bromochloromethane	6.44	49	282314	65.188	ug/l	93
29) Tetrahydrofuran	6.46	42	289599	352.666	ug/l	98
30) Chloroform	6.67	83	864703	67.056	ug/l	100
31) Cyclohexane	6.96	56	571018	73.184	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	742167	65.826	ug/l	99
36) 1,1-Dichloropropene	7.15	75	621182	71.214	ug/l	98
37) Ethyl Acetate	6.19	43	288476	71.630	ug/l	98
38) Carbon Tetrachloride	7.11	117	804603	72.248	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	592244	68.829	ug/l	97
40) Benzene	7.47	78	1489440	67.938	ug/l	98
41) Methacrylonitrile	6.44	41	331775	69.602	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	525173	65.249	ug/l	99
43) Isopropyl Acetate	9.24	43	398273	67.877	ug/l #	99
44) Trichloroethene	8.55	130	606479	74.464	ug/l	99
45) 1,2-Dichloropropane	8.94	63	398048	71.203	ug/l	100
46) Dibromomethane	9.07	93	288986	68.139	ug/l	91
47) Bromodichloromethane	9.38	83	657715	67.678	ug/l	96
48) Methyl methacrylate	9.12	41	233586	69.775	ug/l	94
49) 1,4-Dioxane	9.08	88	52692	1523.232	ug/l	89
51) 4-Methyl-2-Pentanone	10.30	43	1237148	330.034	ug/l	98
52) Toluene	10.52	92	964333	68.366	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	579150	67.122	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	682085	68.046	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	333796	65.760	ug/l	98
56) Ethyl methacrylate	11.05	69	391554	72.620	ug/l	98
57) 1,3-Dichloropropane	11.41	76	512729	67.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	830321	320.961	ug/l	96
59) 2-Hexanone	11.54	43	936449	355.099	ug/l	98
60) Dibromochloromethane	11.69	129	577637	70.693	ug/l	99
61) 1,2-Dibromoethane	11.81	107	404712	66.542	ug/l	95
64) Tetrachloroethene	11.27	164	434958	73.329	ug/l	98
65) Chlorobenzene	12.41	112	1126069	72.029	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	513179	79.520	ug/l	99
67) Ethyl Benzene	12.53	91	1883941	79.367	ug/l	99
68) m/p-Xylenes	12.67	106	1250678	137.748	ug/l	100
69) o-Xylene	13.06	106	652195	75.477	ug/l	97
70) Styrene	13.08	104	1141990	76.373	ug/l	99
71) Bromoform	13.23	173	317170	79.620	ug/l	98
73) Isopropylbenzene	13.41	105	1727254	76.824	ug/l	96
74) N-amyl acetate	13.26	43	495524	81.030	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	398191	82.162	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	357310	76.319	ug/l	97
77) Bromobenzene	13.68	156	553685	83.642	ug/l	97
78) n-propylbenzene	13.78	91	1984639	74.361	ug/l	100
79) 2-Chlorotoluene	13.84	91	1258057	78.875	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1416310	75.257	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	116563	84.206	ug/l	99
82) 4-Chlorotoluene	13.95	91	1327501	73.867	ug/l	97
83) tert-Butylbenzene	14.19	119	1650154	77.243	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1335467	72.357	ug/l	98
85) sec-Butylbenzene	14.37	105	1852905	80.582	ug/l	98
86) p-Isopropyltoluene	14.49	119	1549342	73.595	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	953517	79.653	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	795632	70.493	ug/l	96
89) n-Butylbenzene	14.80	91	1462787	76.360	ug/l	97
90) Hexachloroethane	15.01	117	449795	76.502	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	762291	74.269	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	55729	86.285	ug/l	86

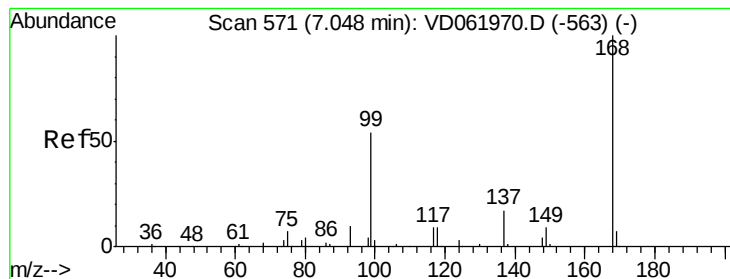
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	404091	78.515	ug/l	96
94) Hexachlorobutadiene	16.04	225	284069	75.821	ug/l	98
95) Naphthalene	16.13	128	660606	79.940	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	241760	84.444	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

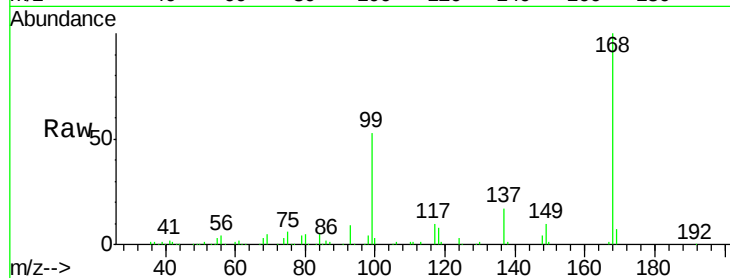
VSTDIC075

Tot Ion:168 Resp: 650113

Ion Ratio Lower Upper

168 100

99 53.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

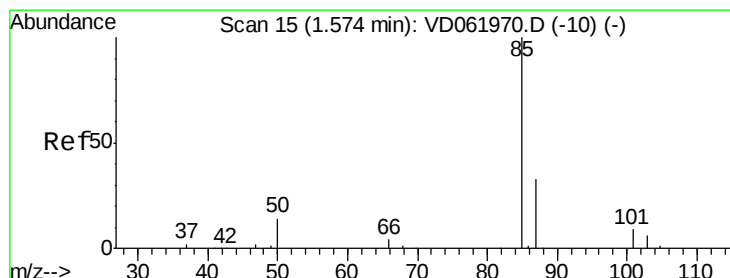
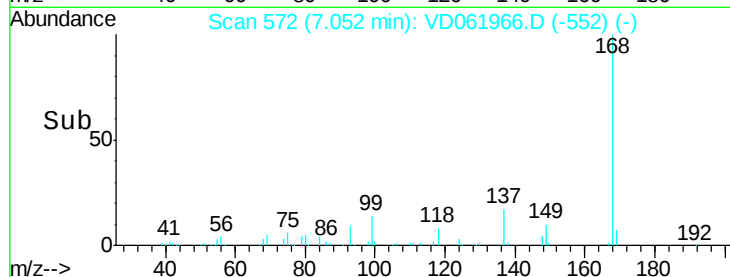
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 67.828 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061966.D

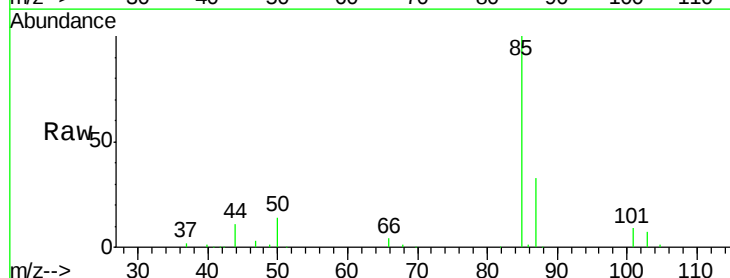
Acq: 23 Apr 2019 12:23

Tgt Ion: 85 Resp: 425417

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

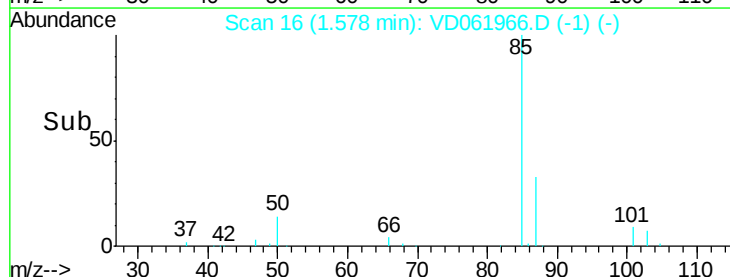
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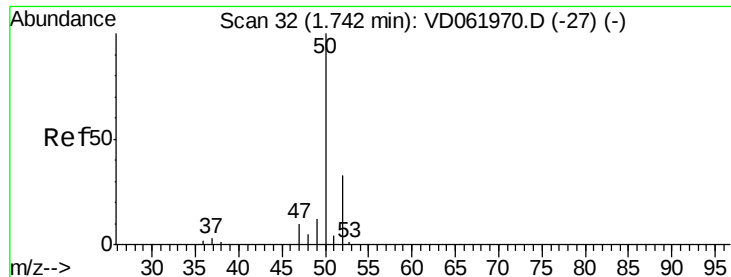
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 74.474 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

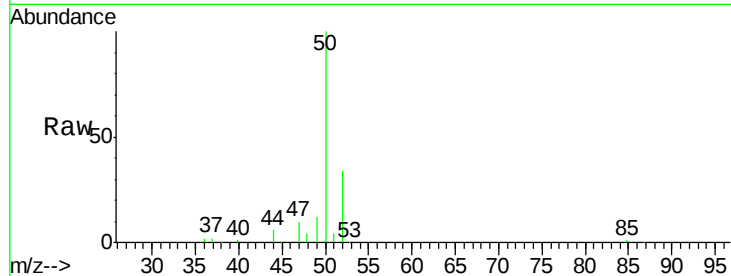
VSTDIC075

Tot Ion: 50 Resp: 368239

Ion Ratio Lower Upper

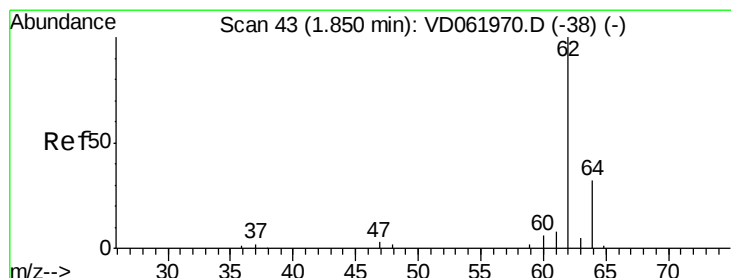
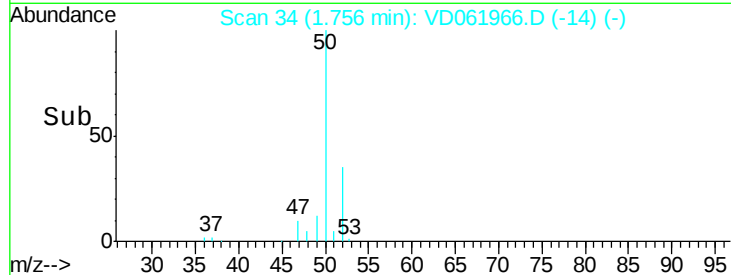
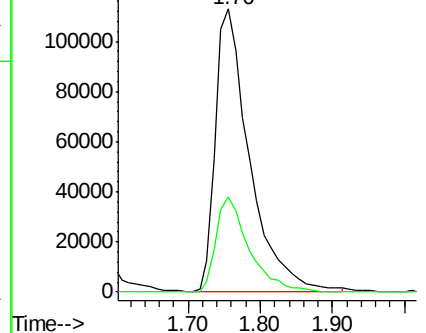
50 100

52 33.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 75.545 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD061966.D

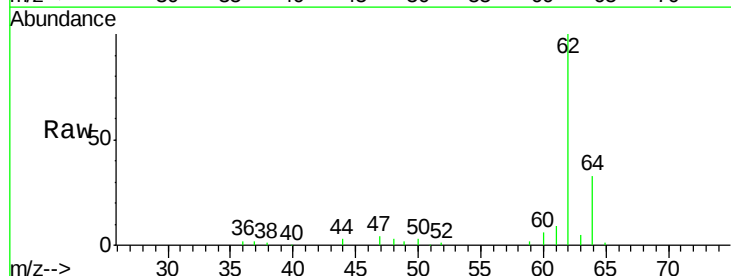
Acq: 23 Apr 2019 12:23

Tgt Ion: 62 Resp: 334855

Ion Ratio Lower Upper

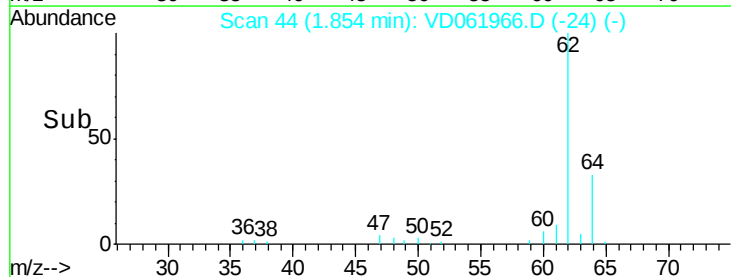
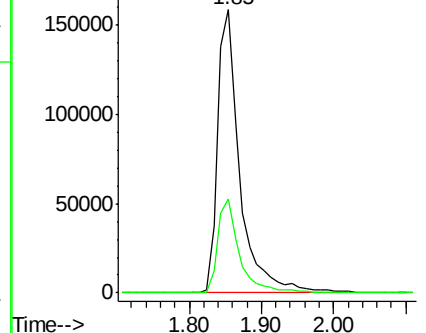
62 100

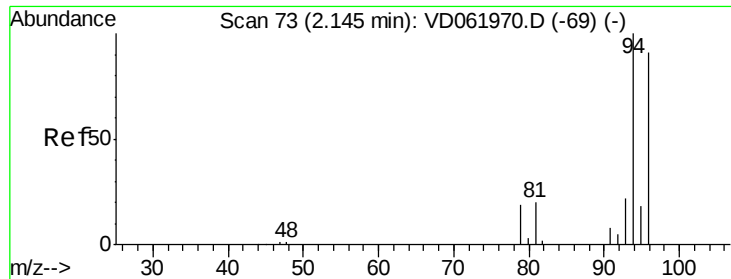
64 33.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

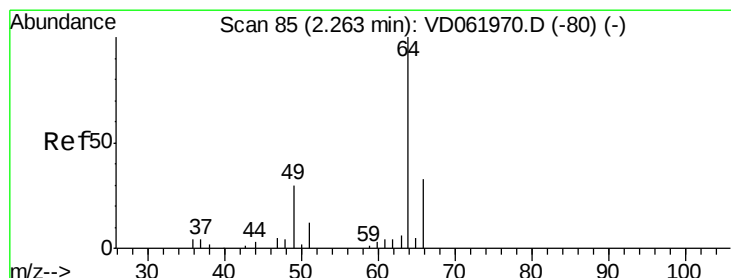
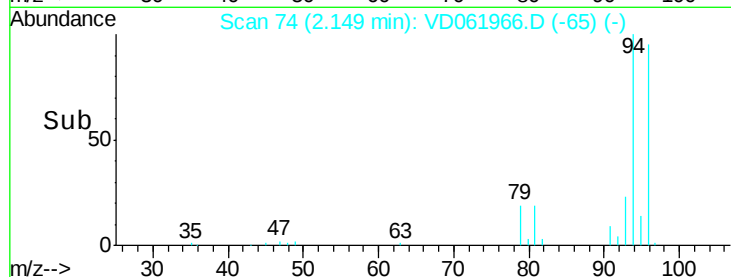
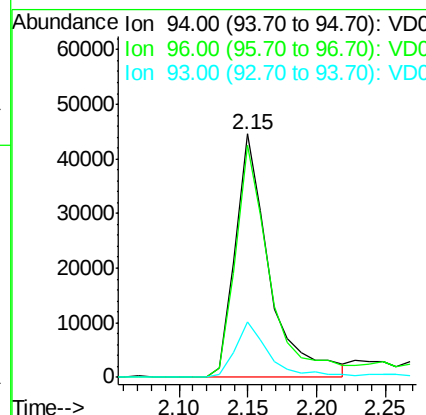
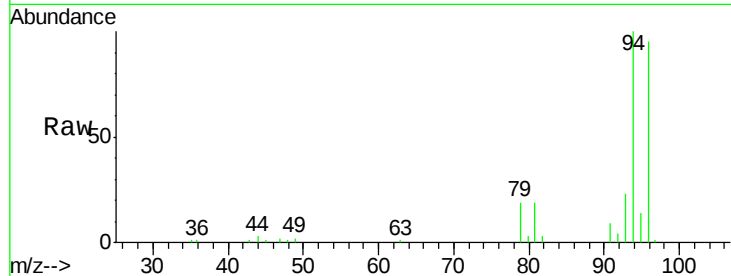




#5
Bromomethane
Concen: 56.496 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

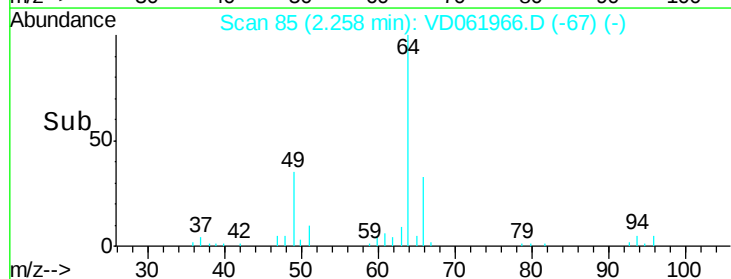
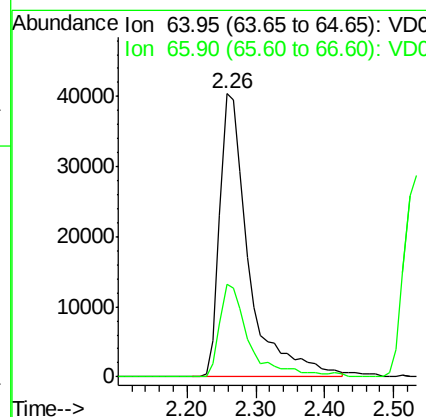
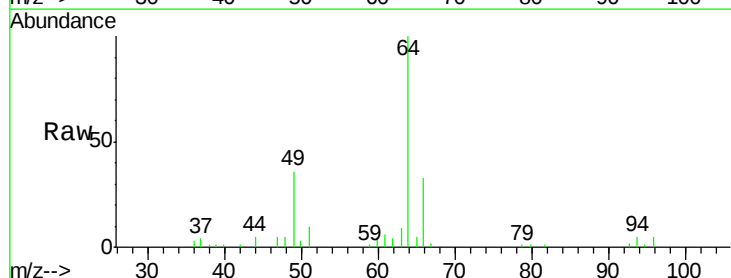
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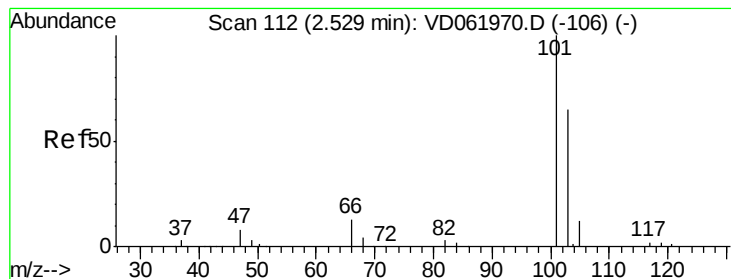
Tot Ion: 94 Resp: 77207
Ion Ratio Lower Upper
94 100
96 95.1 76.6 115.0
93 22.9 18.5 27.7



#6
Chloroethane
Concen: 69.905 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.02 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 64 Resp: 118006
Ion Ratio Lower Upper
64 100
66 32.6 25.6 38.4



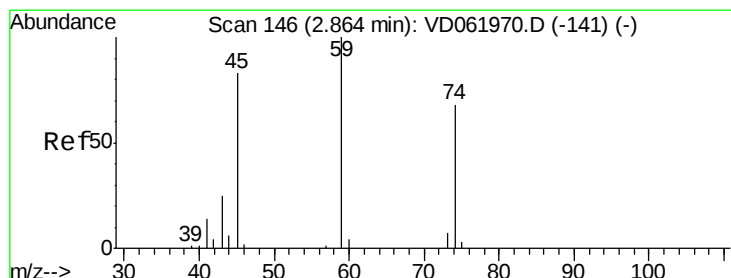
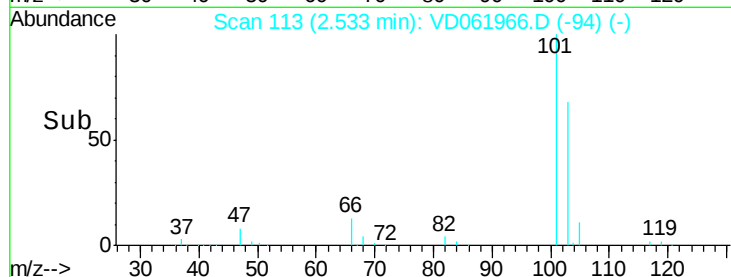
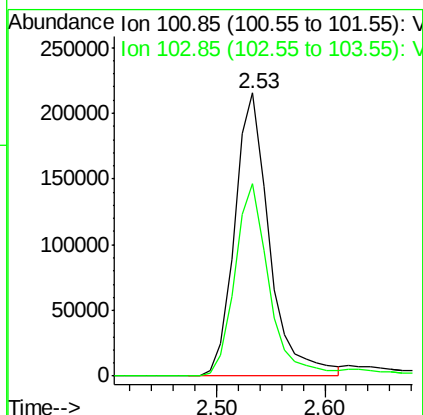
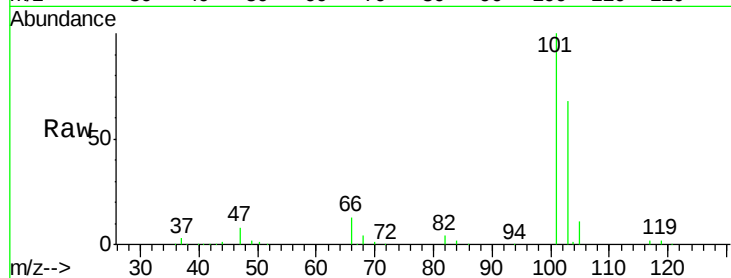


#7

Trichlorofluoromethane
 Concen: 66.892 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Instrument :
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 ClientSampleId :
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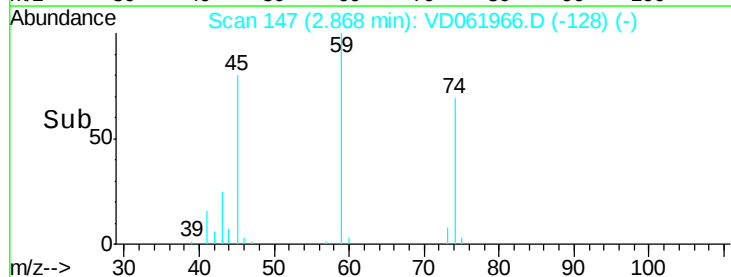
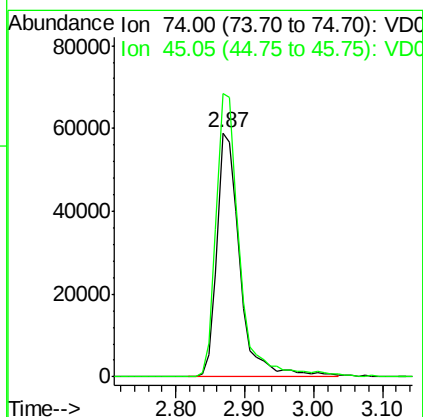
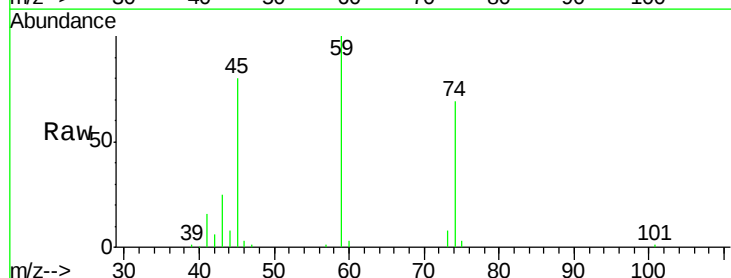
Tot Ion:101 Resp: 480156
 Ion Ratio Lower Upper
 101 100
 103 67.8 53.6 80.4

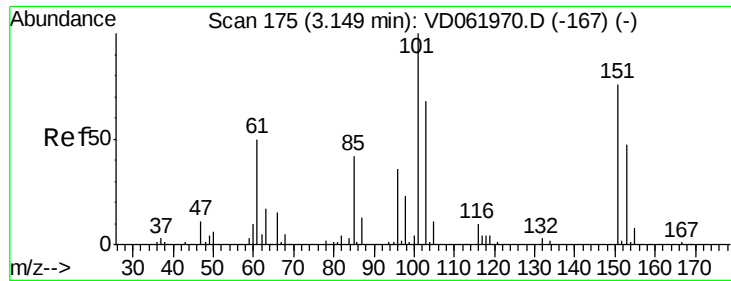


#8

Diethyl Ether
 Concen: 72.504 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Tgt Ion: 74 Resp: 136448
 Ion Ratio Lower Upper
 74 100
 45 116.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.304 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

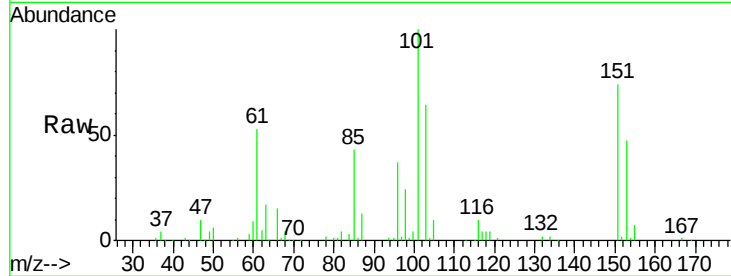
Tot Ion:101 Resp: 442558

Ion Ratio Lower Upper

101 100

85 42.9 32.4 48.6

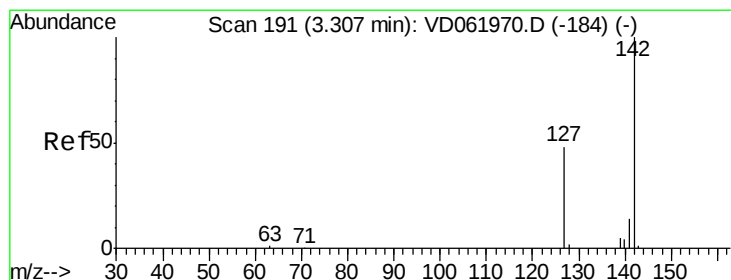
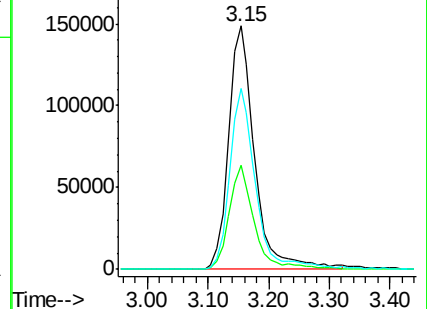
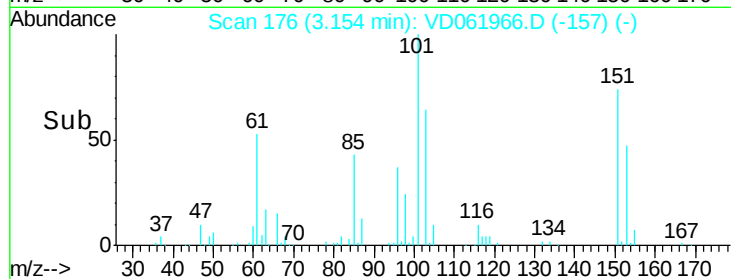
151 74.4 59.4 89.0



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: 78.818 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

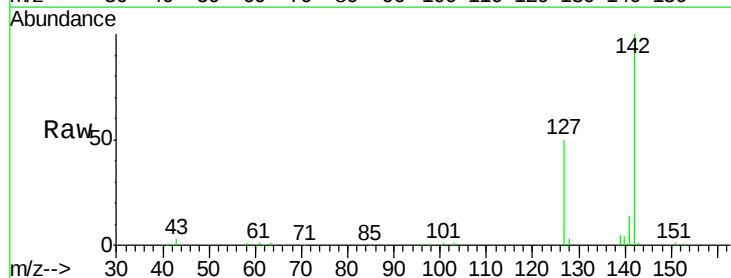
Tgt Ion:142 Resp: 743835

Ion Ratio Lower Upper

142 100

127 49.7 38.8 58.2

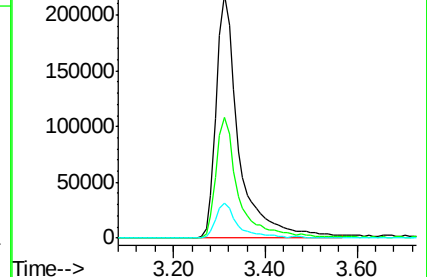
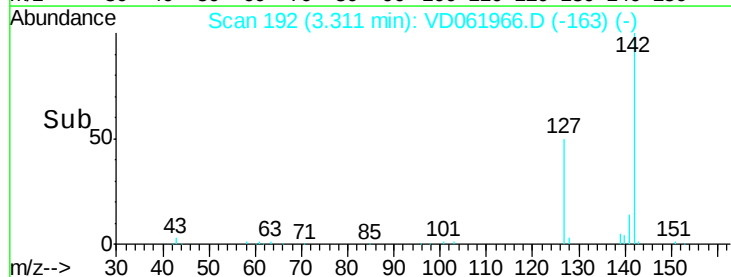
141 14.1 11.4 17.0

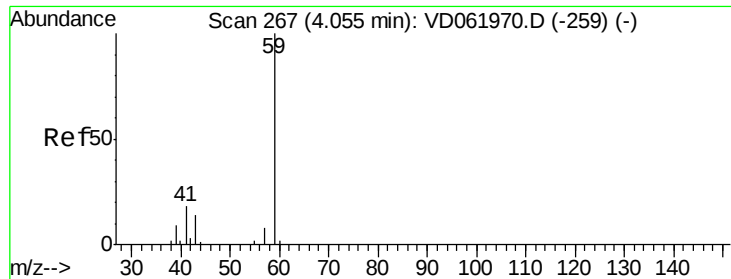


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



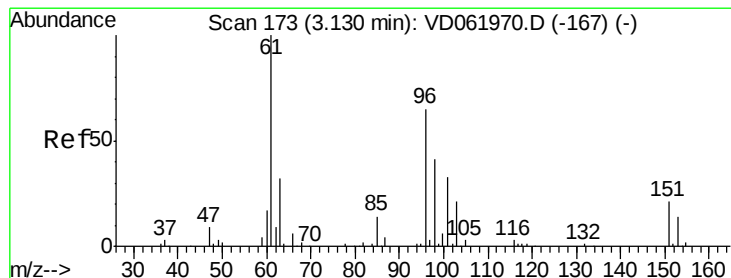
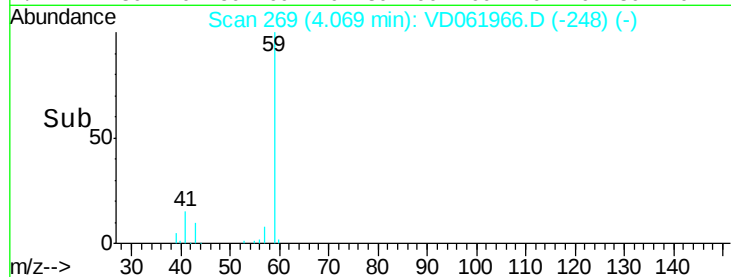
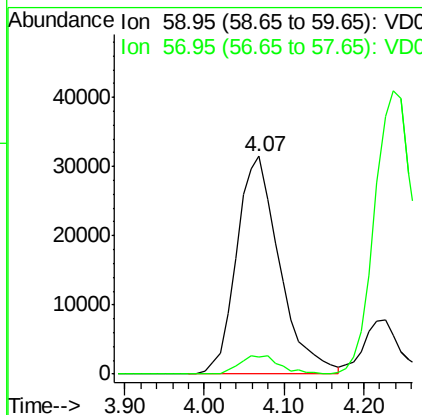
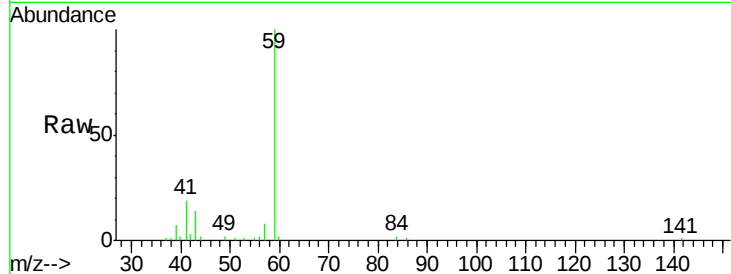


#11

Tert butyl alcohol
Concen: 360.858 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

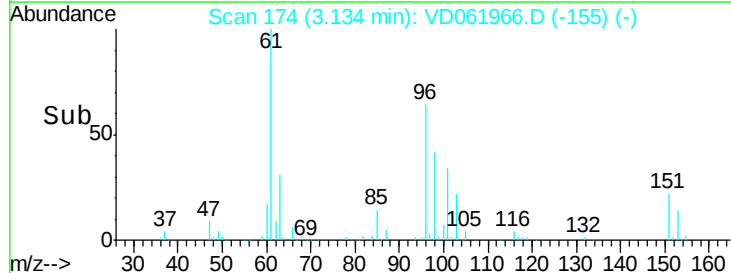
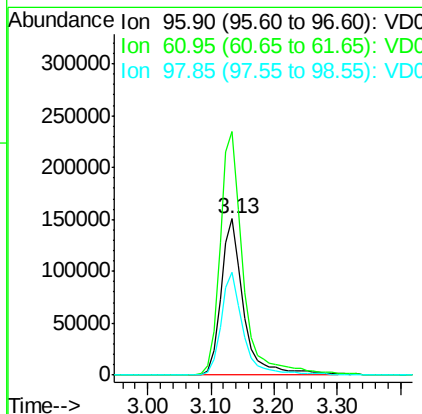
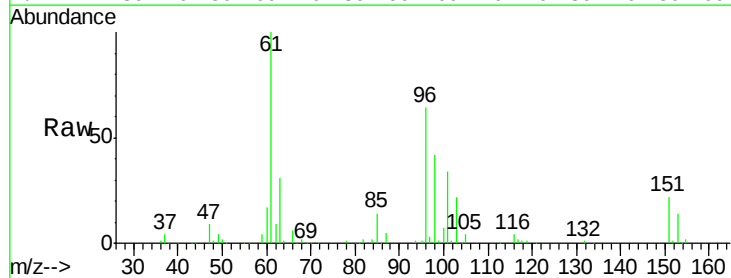
Tot Ion: 59 Resp: 117419
Ion Ratio Lower Upper
59 100
57 8.1 6.9 10.3

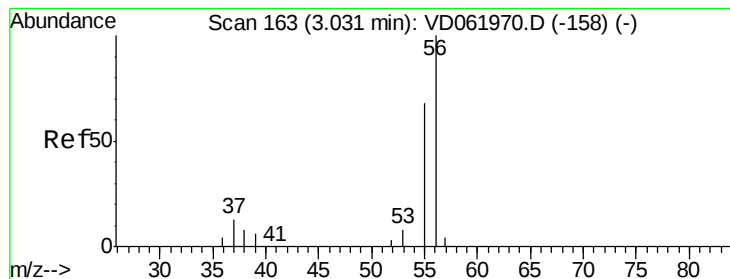


#12

1,1-Dichloroethene
Concen: 72.562 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 96 Resp: 375352
Ion Ratio Lower Upper
96 100
61 156.1 129.8 194.8
98 66.1 51.2 76.8





#13

Acrolein

Concen: 452.595 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

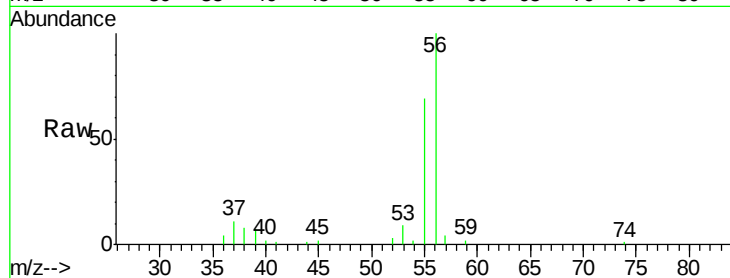
VSTDIC075

Tot Ion: 56 Resp: 107505

Ion Ratio Lower Upper

56 100

55 69.0 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

40000

30000

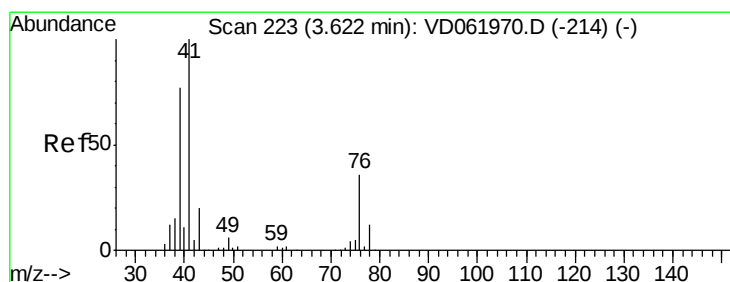
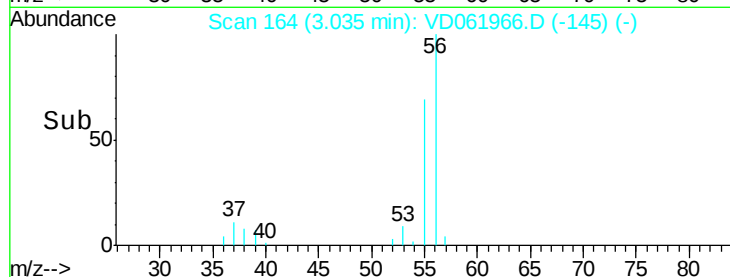
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 70.251 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

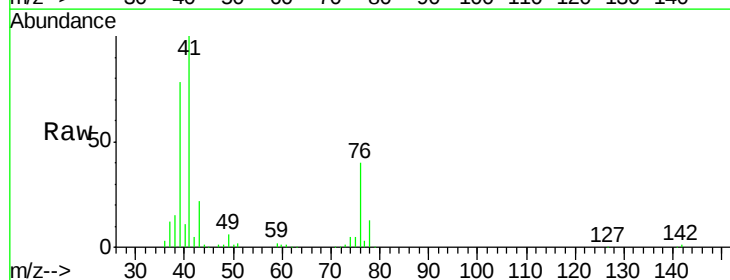
Tgt Ion: 41 Resp: 530922

Ion Ratio Lower Upper

41 100

39 77.6 60.5 90.7

76 40.2 31.8 47.8



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

3.63

250000

200000

150000

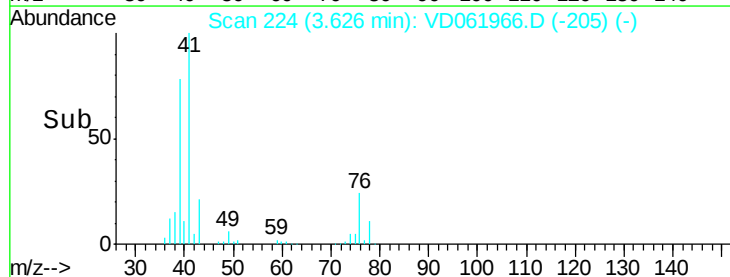
100000

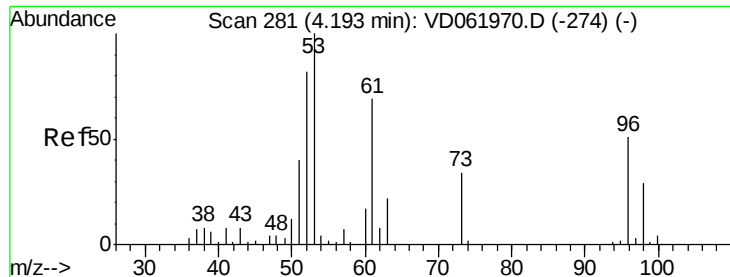
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 338.144 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

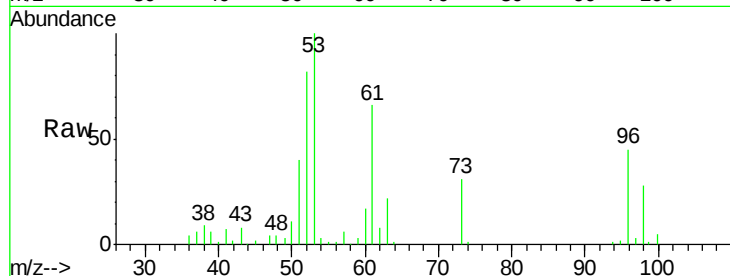
Tot Ion: 53 Resp: 342377

Ion Ratio Lower Upper

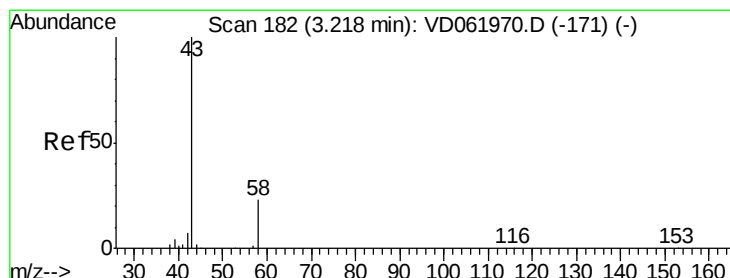
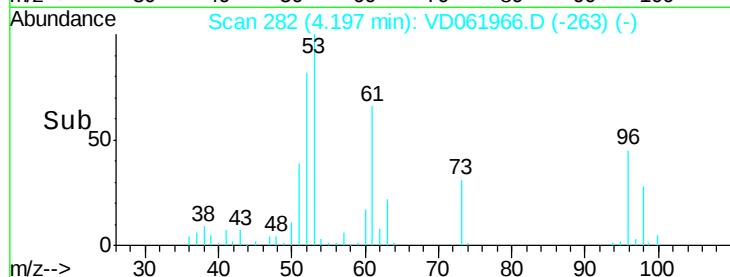
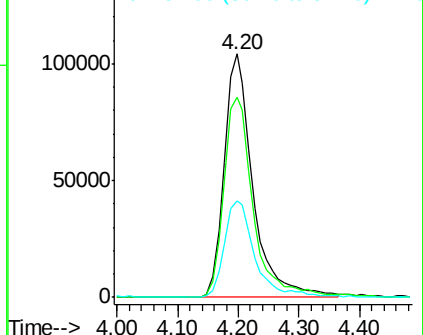
53 100

52 82.1 65.0 97.4

51 39.7 32.6 48.8



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: 422.441 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061966.D

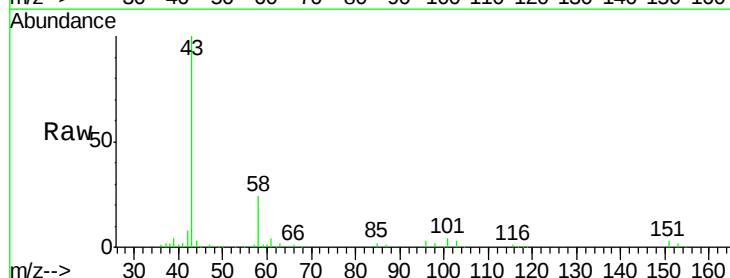
Acq: 23 Apr 2019 12:23

Tgt Ion: 43 Resp: 478248

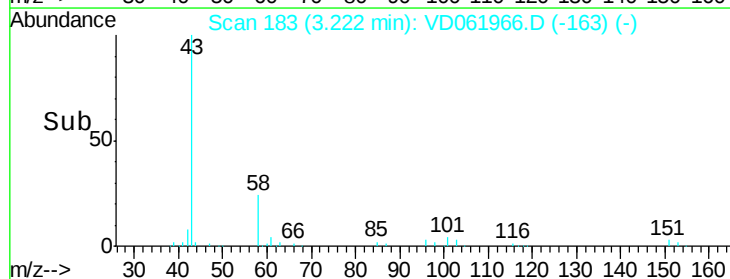
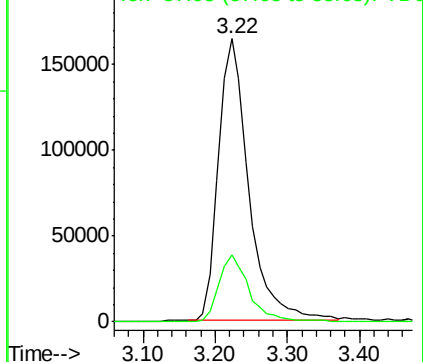
Ion Ratio Lower Upper

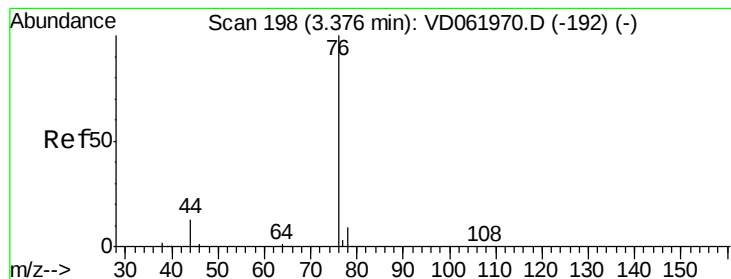
43 100

58 23.6 19.9 29.9



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





#17

Carbon Disulfide

Concen: 72.200 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

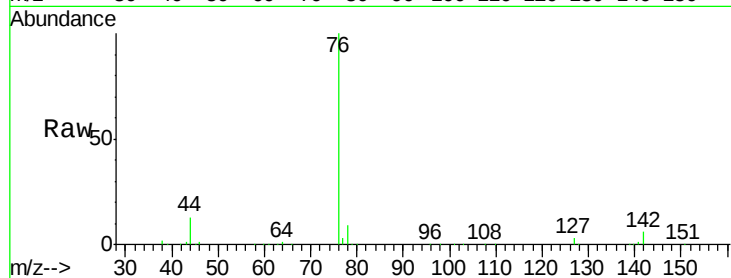
VSTDIC075

Tot Ion: 76 Resp: 1107982

Ion Ratio Lower Upper

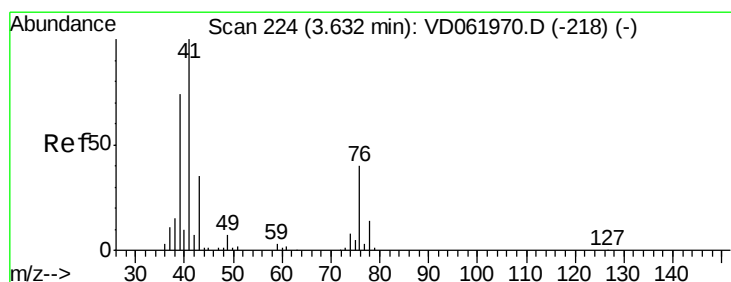
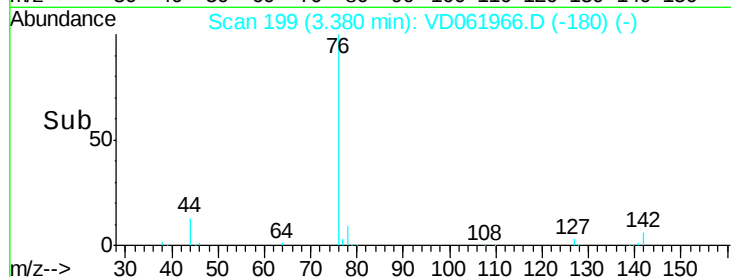
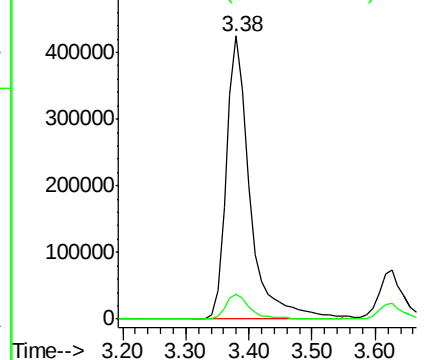
76 100

78 8.7 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 58.425 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD061966.D

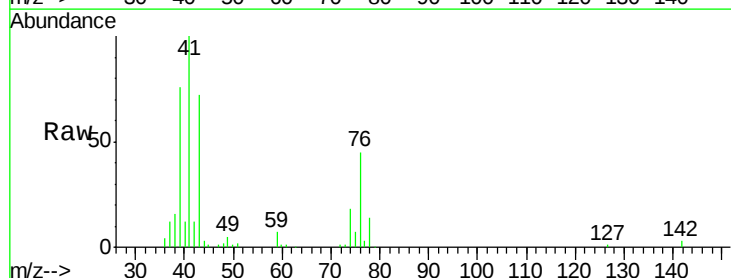
Acq: 23 Apr 2019 12:23

Tgt Ion: 43 Resp: 167035

Ion Ratio Lower Upper

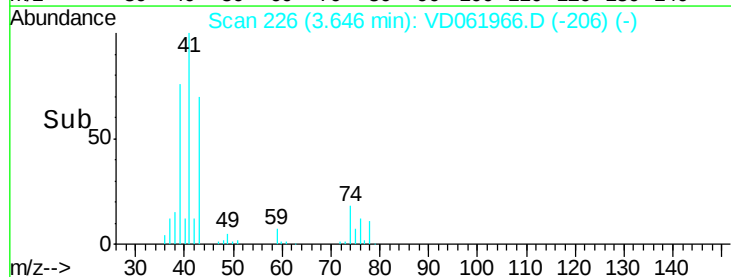
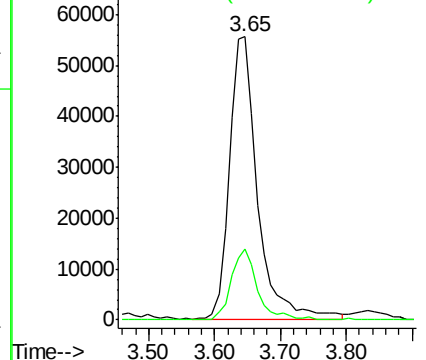
43 100

74 25.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

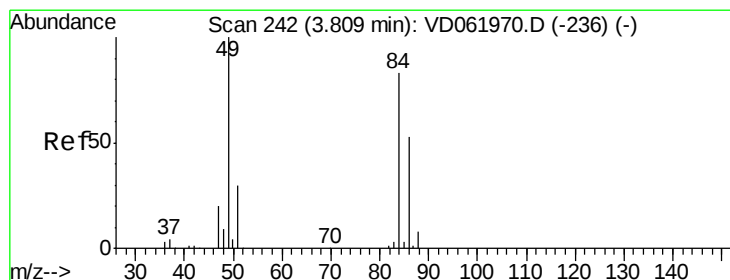
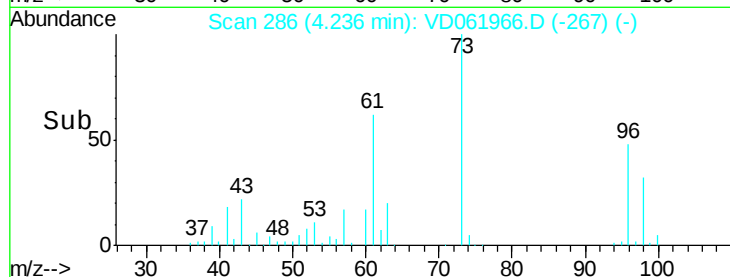
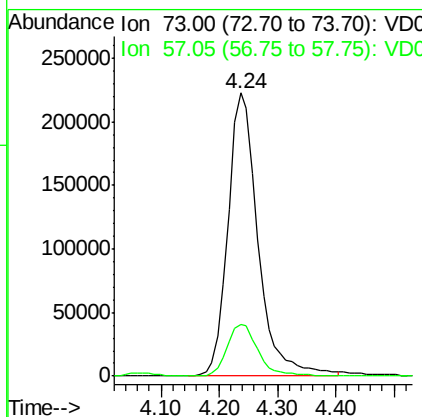
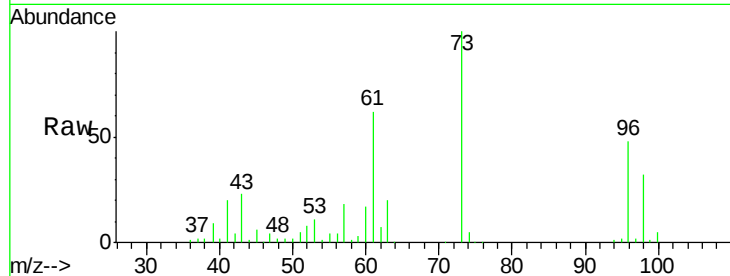




#19
Methvl tert-butvl Ether
Concen: 67.187 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

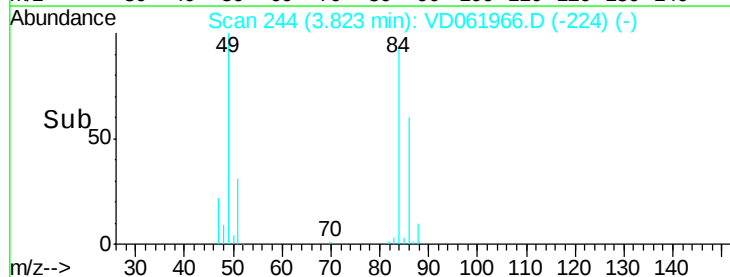
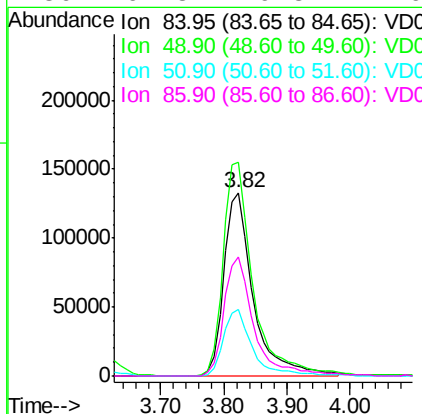
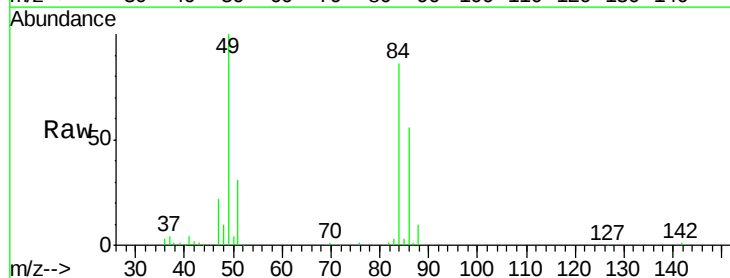
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

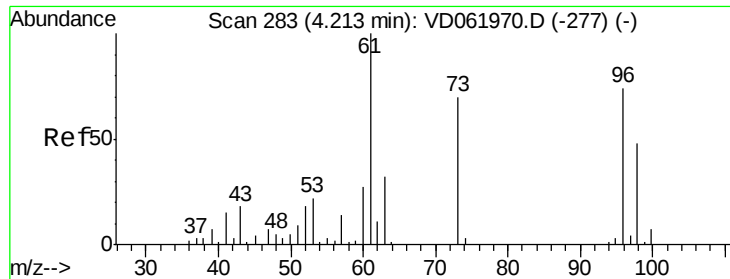
Tot Ion: 73 Resp: 801969
Ion Ratio Lower Upper
73 100
57 18.4 16.3 24.5



#20
Methylene Chloride
Concen: 59.065 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 84 Resp: 429729
Ion Ratio Lower Upper
84 100
49 116.3 94.0 141.0
51 36.0 29.0 43.4
86 64.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 69.592 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

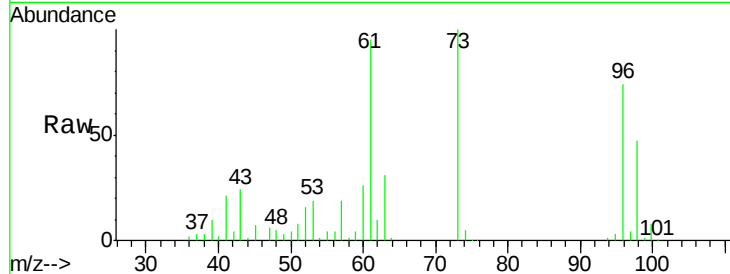
Tot Ion: 96 Resp: 438791

Ion Ratio Lower Upper

96 100

61 129.7 104.4 156.6

98 63.5 51.8 77.8

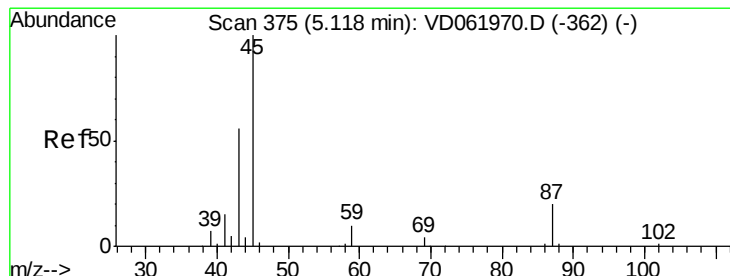
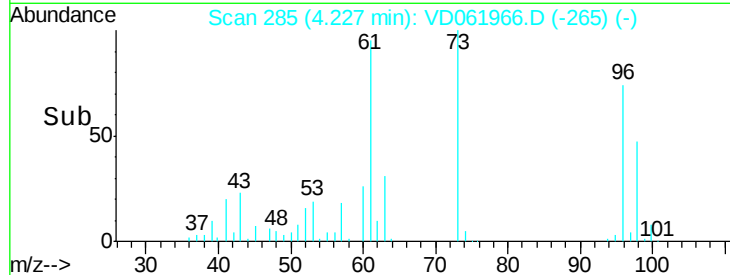
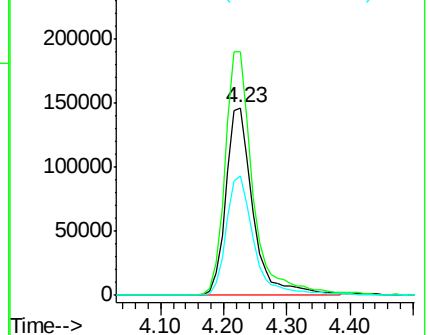


Abundance

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: 68.161 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Tgt Ion: 45 Resp: 1272639

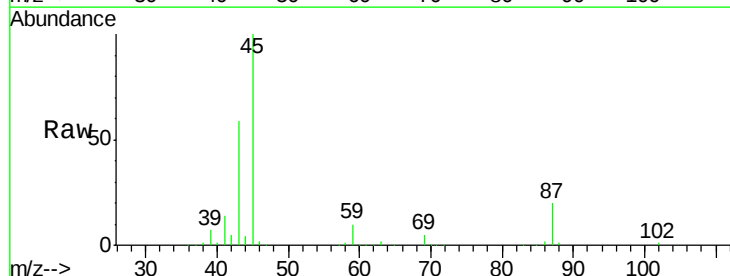
Ion Ratio Lower Upper

45 100

43 58.9 46.2 69.2

87 20.0 15.9 23.9

59 10.1 7.9 11.9



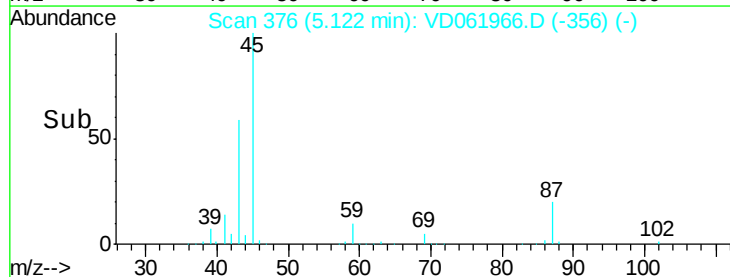
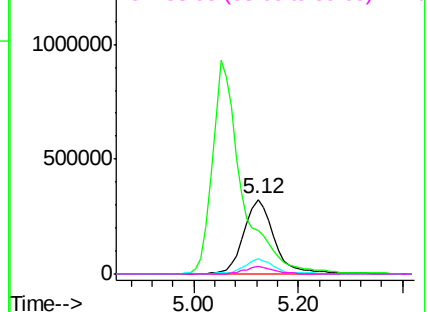
Abundance

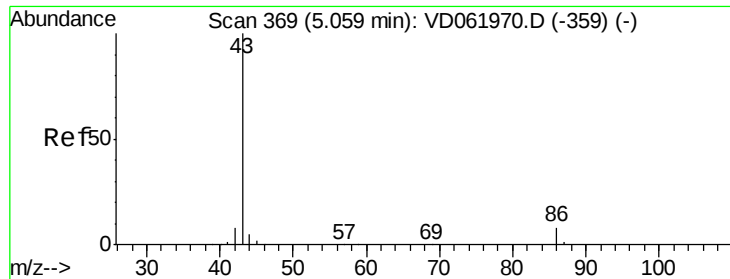
Ion 45.05 (44.75 to 45.75): VDC

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: 360.764 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

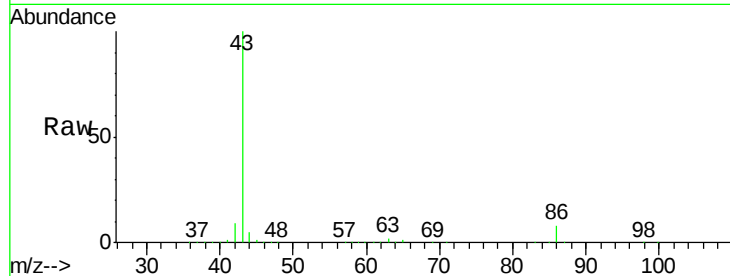
VSTDIC075

Tot Ion: 43 Resp: 3587098

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

1000000

800000

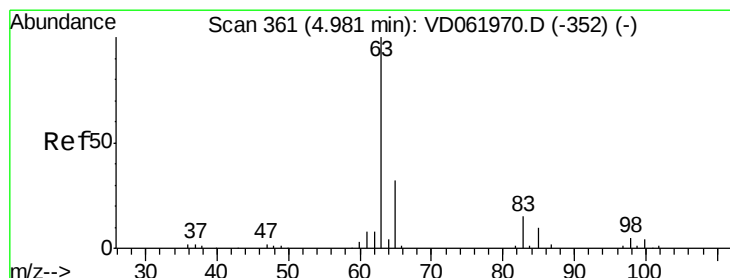
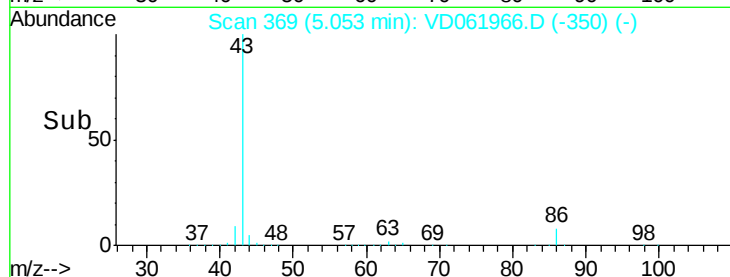
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 72.173 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

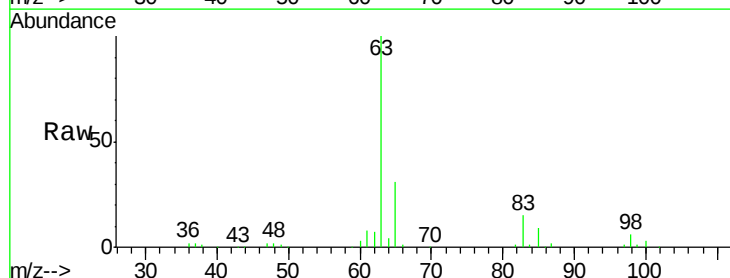
Tgt Ion: 63 Resp: 793105

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.5 1.8 5.5



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

4.98

300000

250000

200000

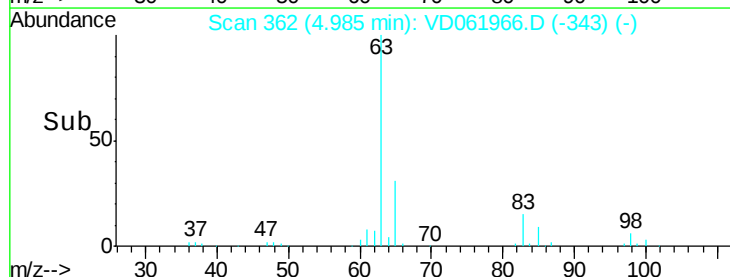
150000

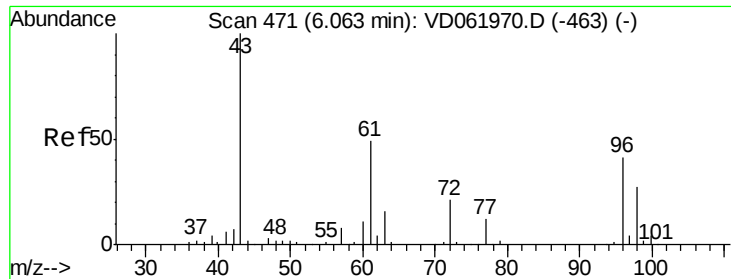
100000

50000

0

Time-->





#25

2-Butanone

Concen: 396.602 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

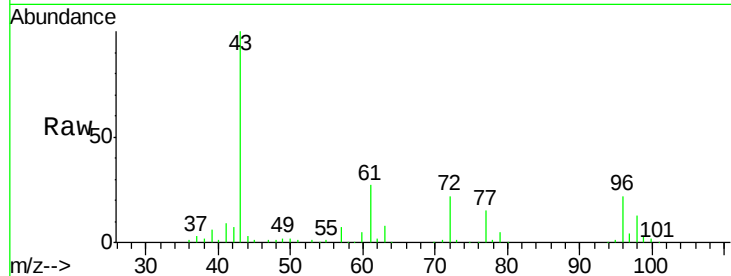
VSTDIC075

Tot Ion: 43 Resp: 625544

Ion Ratio Lower Upper

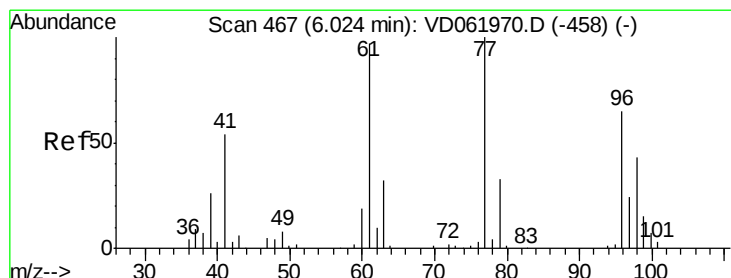
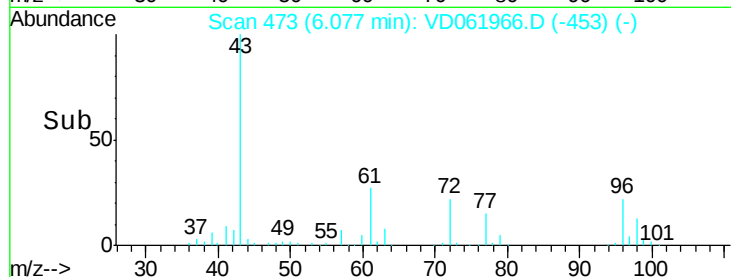
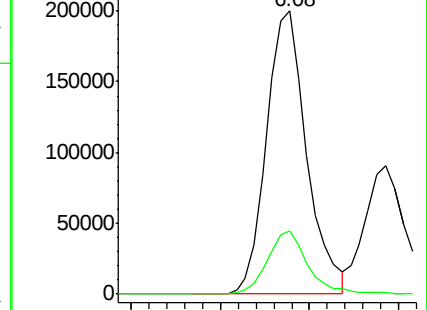
43 100

72 22.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 71.863 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD061966.D

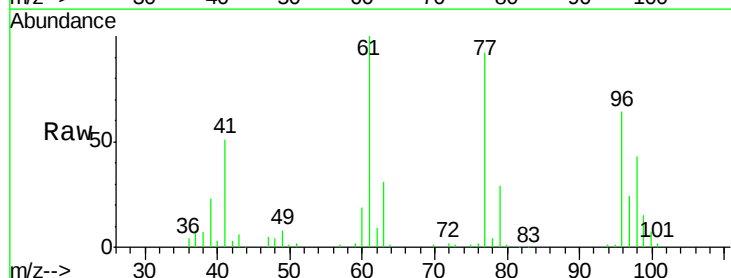
Acq: 23 Apr 2019 12:23

Tgt Ion: 77 Resp: 651895

Ion Ratio Lower Upper

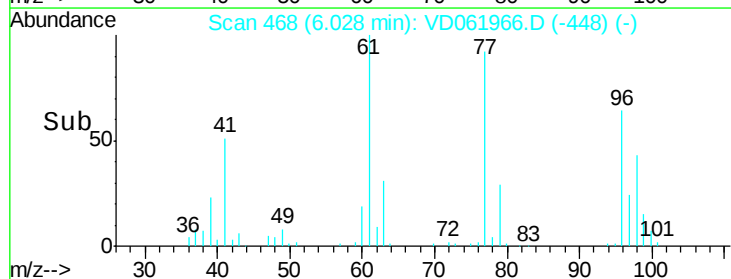
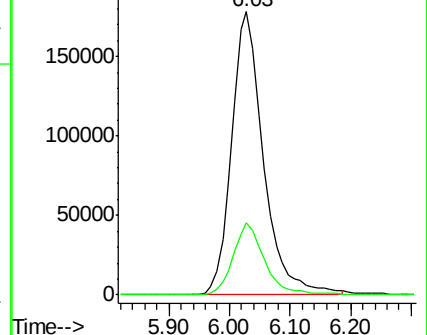
77 100

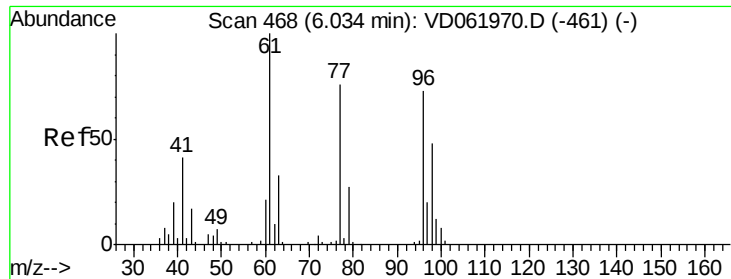
97 25.6 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



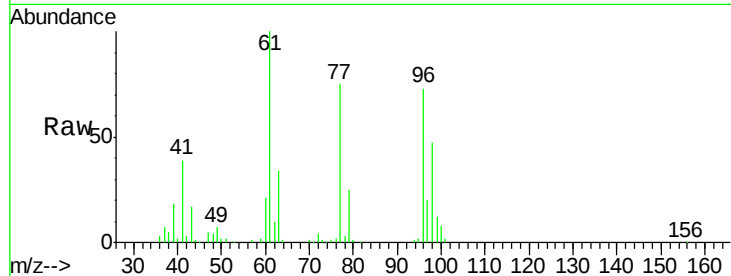


#27

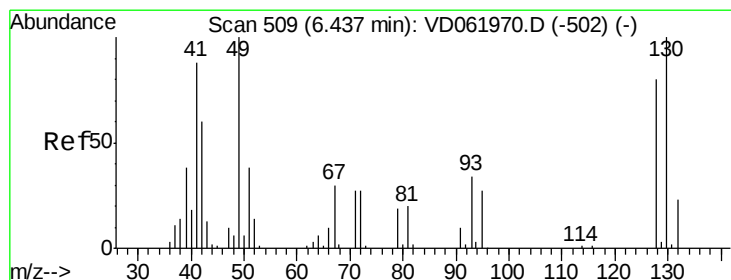
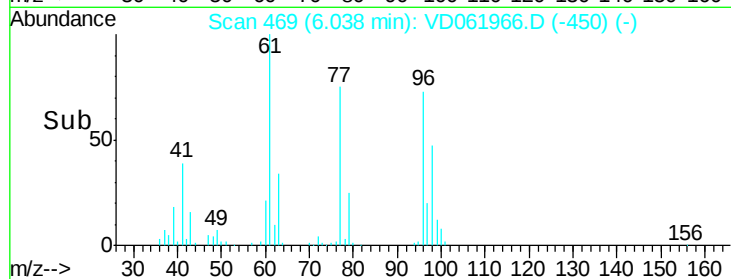
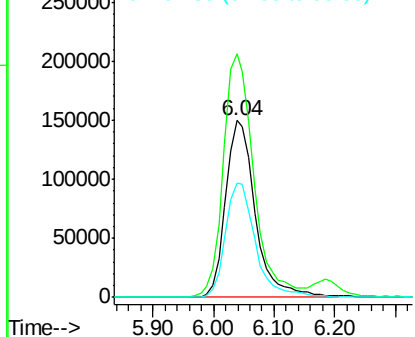
cis-1,2-Dichloroethene
Concen: 68.781 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 96 Resp: 511769
Ion Ratio Lower Upper
96 100
61 137.8 0.0 279.8
98 64.5 0.0 136.0



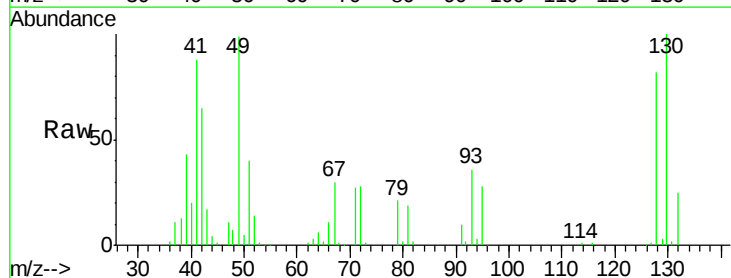
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



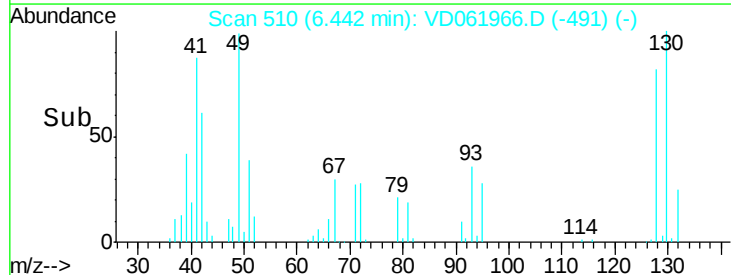
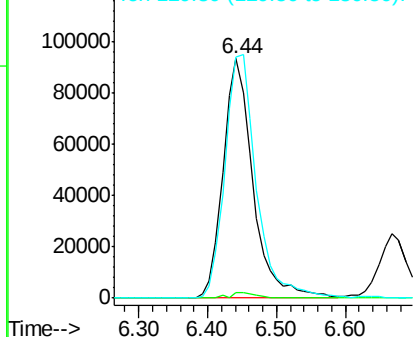
#28

Bromochloromethane
Concen: 65.188 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 49 Resp: 282314
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.6
130 100.8 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 352.666 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

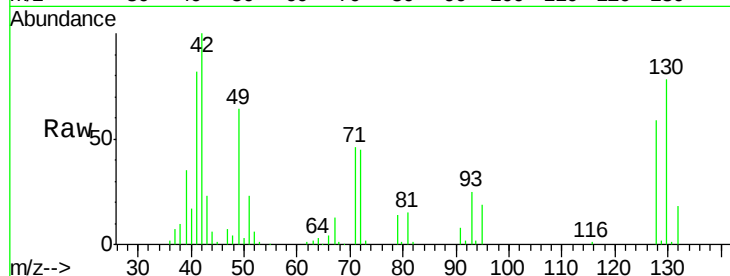
Tot Ion: 42 Resp: 289599

Ion Ratio Lower Upper

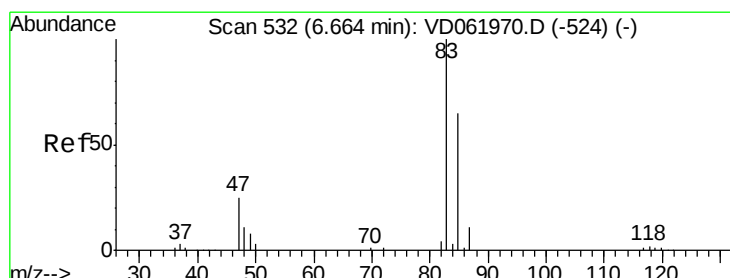
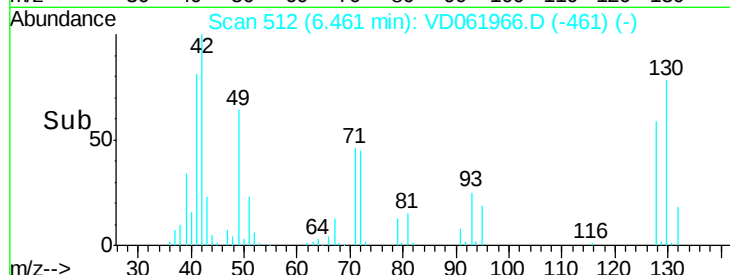
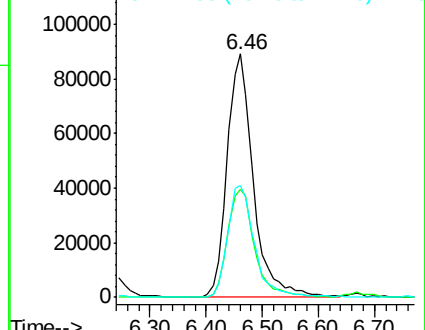
42 100

72 45.9 37.8 56.6

71 46.9 36.7 55.1



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: 67.056 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD061966.D

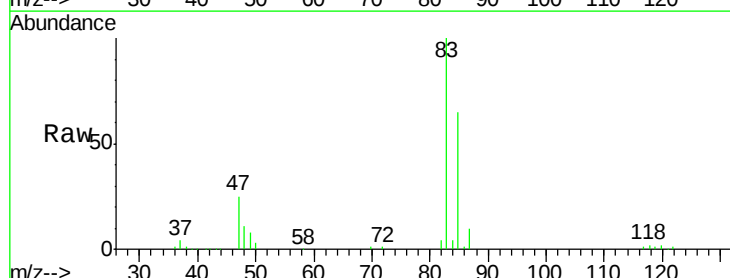
Acq: 23 Apr 2019 12:23

Tgt Ion: 83 Resp: 864703

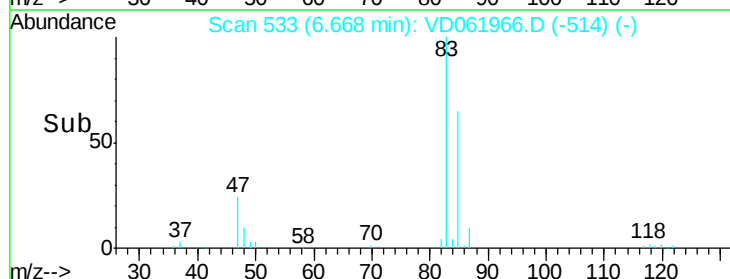
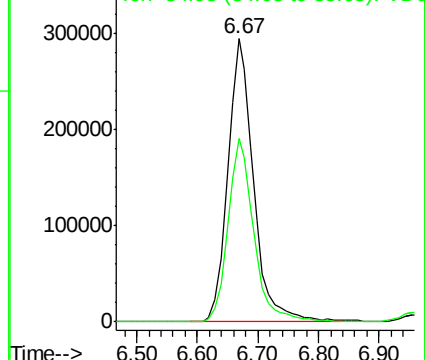
Ion Ratio Lower Upper

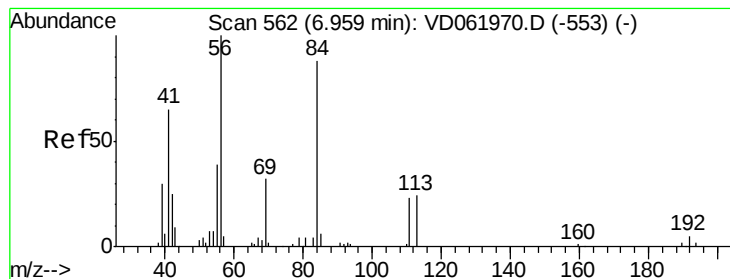
83 100

85 64.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 73.184 ug/l

RT: 6.96 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

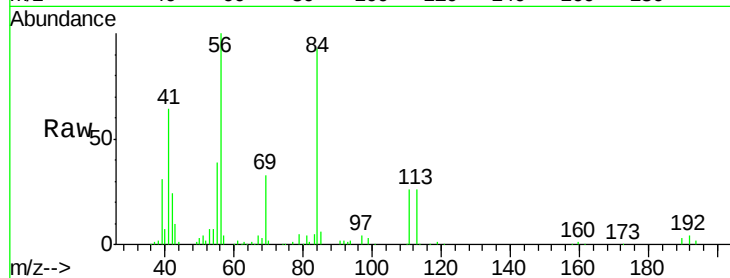
Tot Ion: 56 Resp: 571018

Ion Ratio Lower Upper

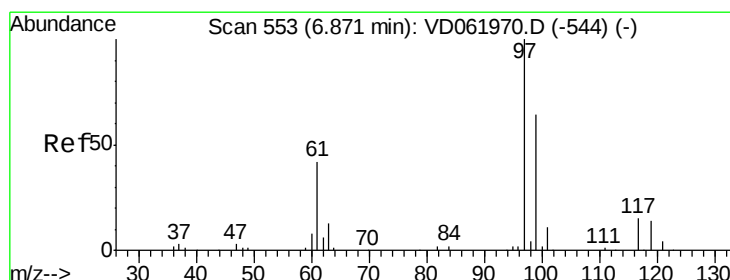
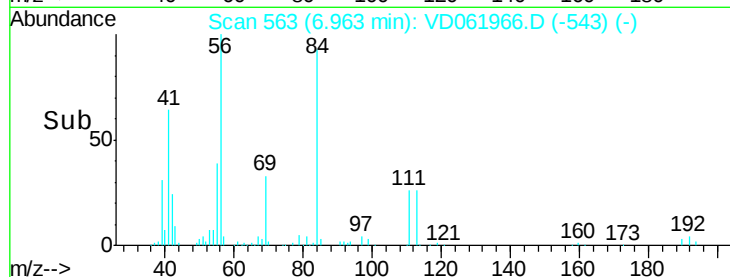
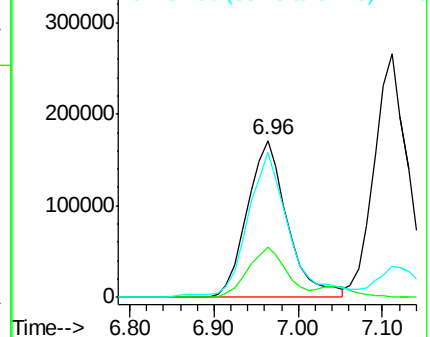
56 100

69 32.5 25.8 38.6

84 92.9 72.2 108.4



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: 65.826 ug/l

RT: 6.87 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

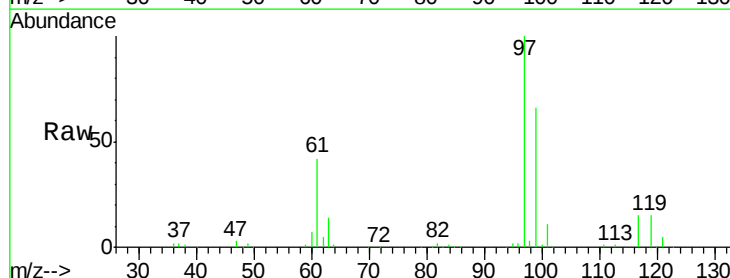
Tgt Ion: 97 Resp: 742167

Ion Ratio Lower Upper

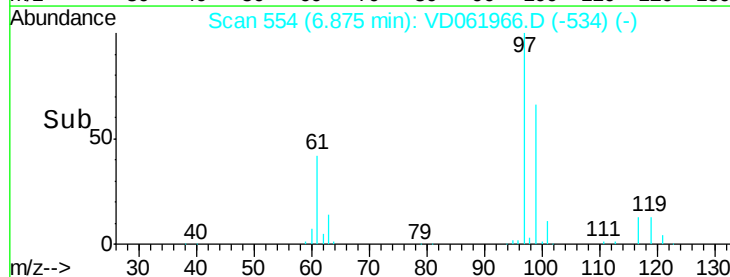
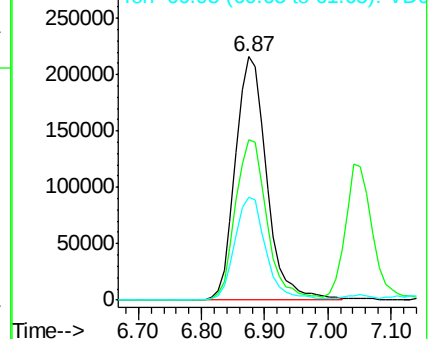
97 100

99 65.8 52.2 78.2

61 42.2 32.4 48.6



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: 65.826 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

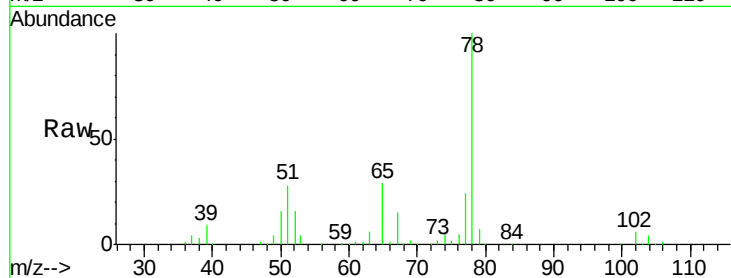
VSTDIC075

Tot Ion: 65 Resp: 384862

Ion Ratio Lower Upper

65 100

67 50.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

150000

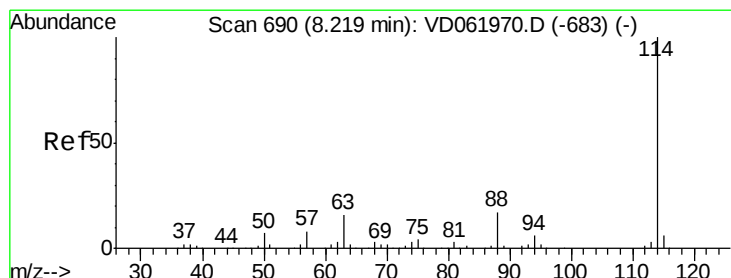
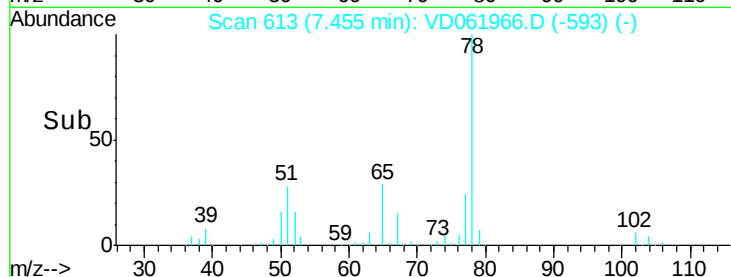
100000

50000

0

7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

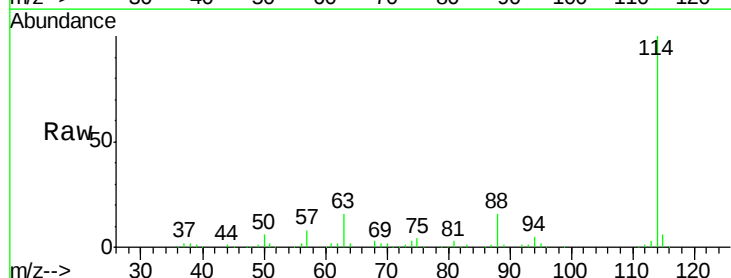
Tgt Ion: 114 Resp: 1088828

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

88 16.3 0.0 33.6



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

8.22

500000

400000

300000

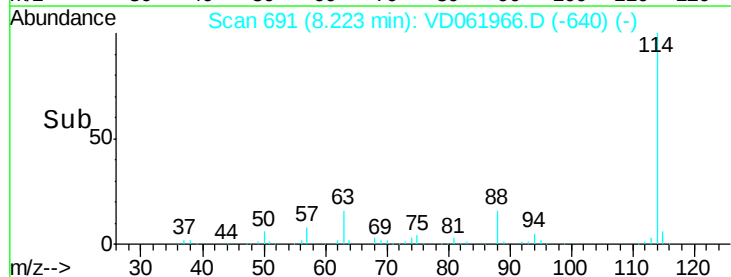
200000

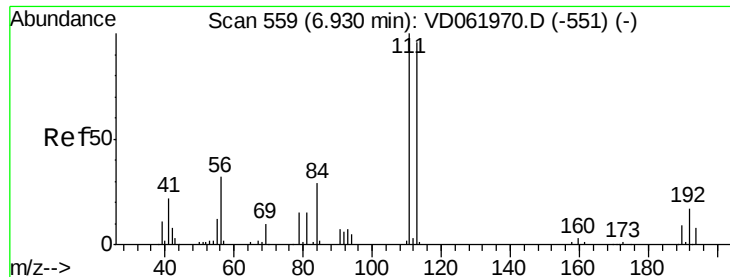
100000

0

8.00 8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

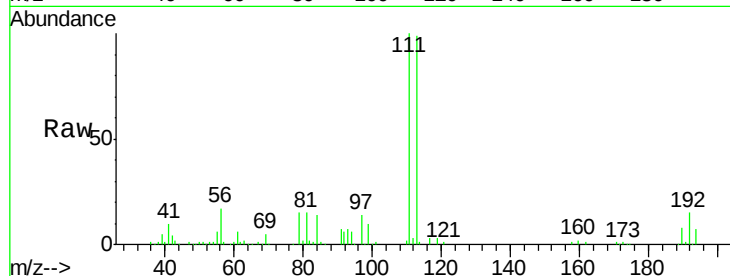
Tot Ion:113 Resp: 592826

Ion Ratio Lower Upper

113 100

111 100.7 78.5 117.7

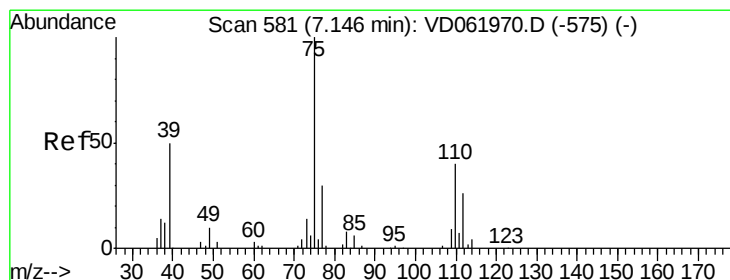
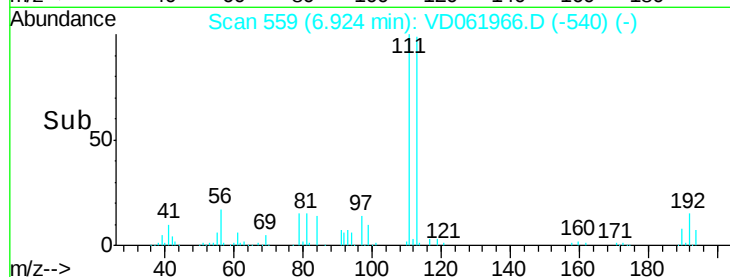
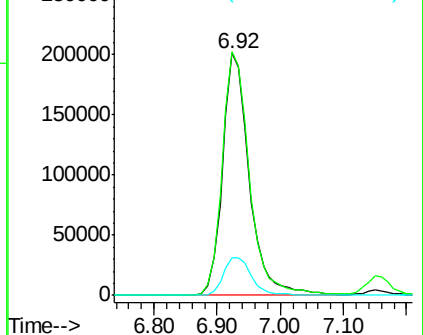
192 15.4 13.0 19.4



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: 71.214 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

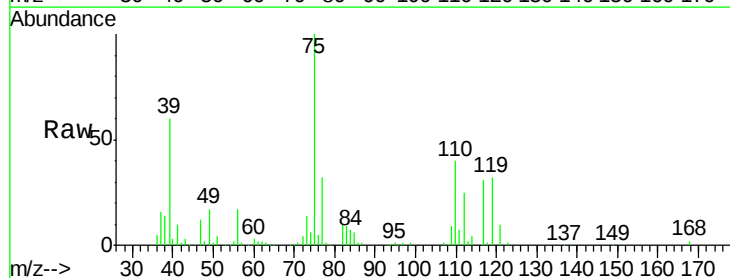
Tgt Ion: 75 Resp: 621182

Ion Ratio Lower Upper

75 100

110 40.1 19.1 57.1

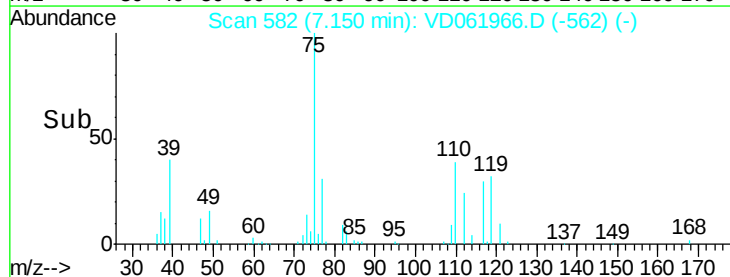
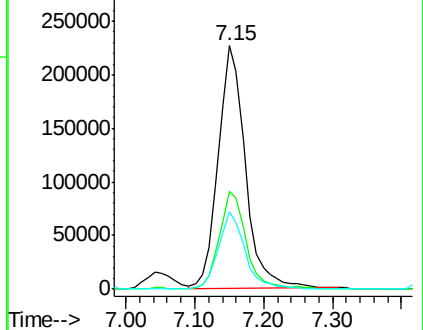
77 32.0 25.6 38.4

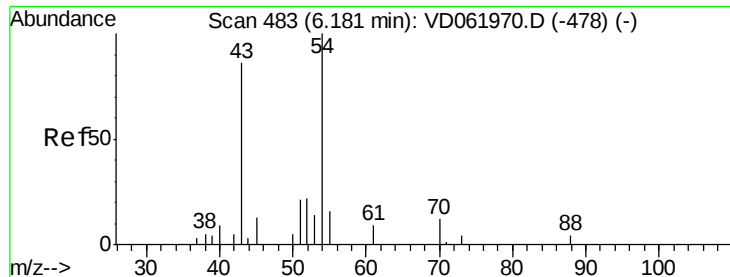


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

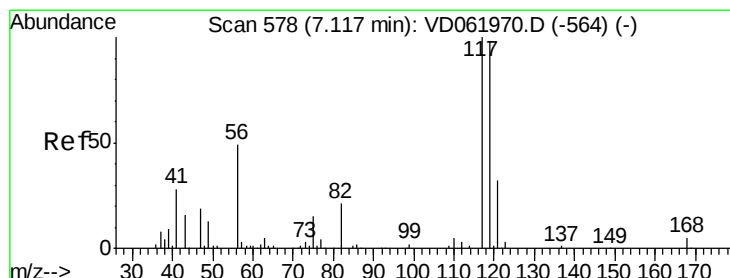
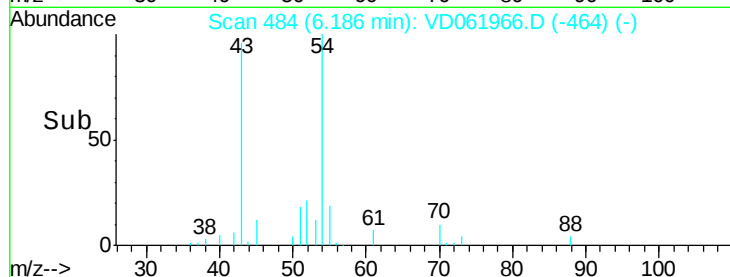
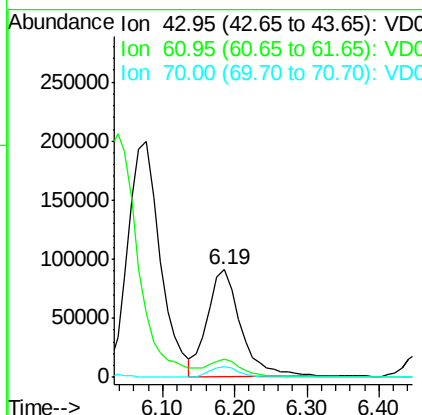
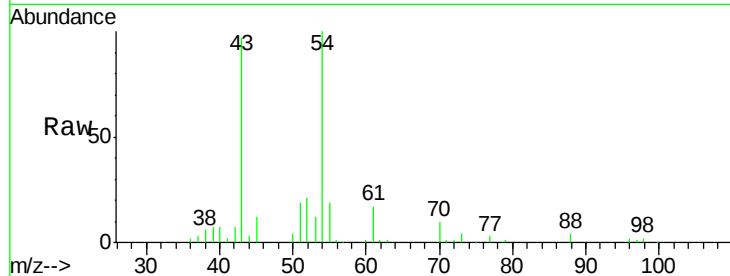




#37
Ethyl Acetate
Concen: 71.630 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

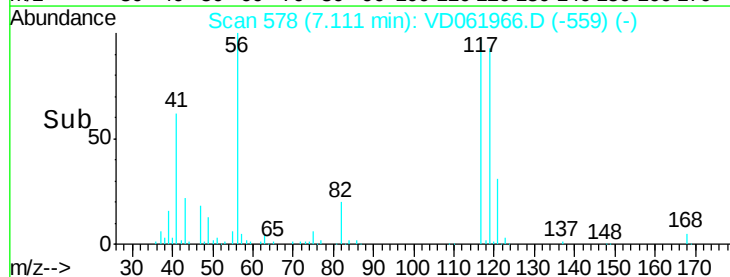
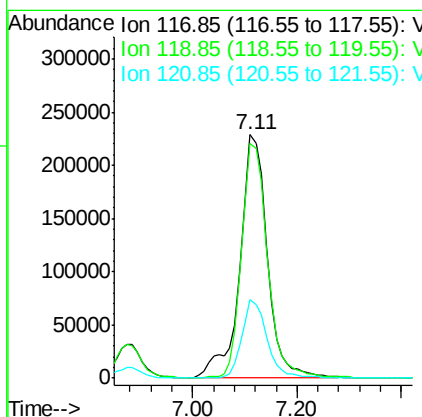
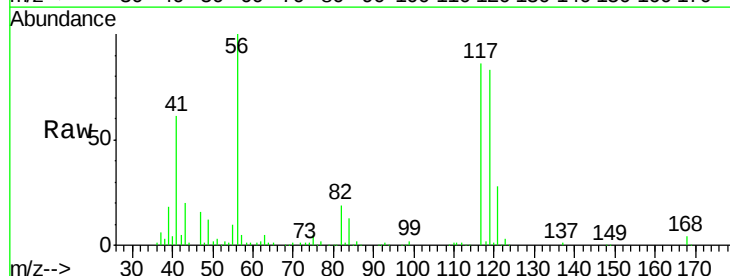
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

Tot Ion: 43 Resp: 288476
Ion Ratio Lower Upper
43 100
61 17.5 14.7 22.1
70 10.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 72.248 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 117 Resp: 804603
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.8
121 32.1 25.9 38.9





#39

Methvlcvclohexane

Concen: 68.829 ug/l

RT: 8.87 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

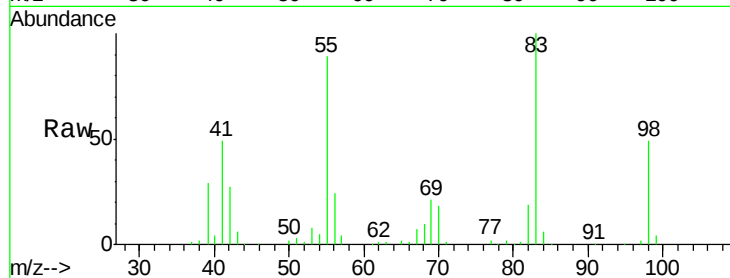
Tot Ion: 83 Resp: 592244

Ion Ratio Lower Upper

83 100

55 89.3 68.2 102.4

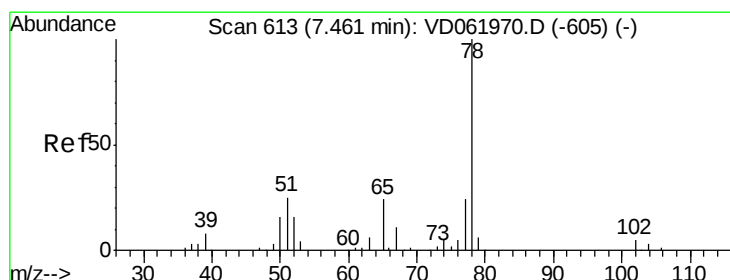
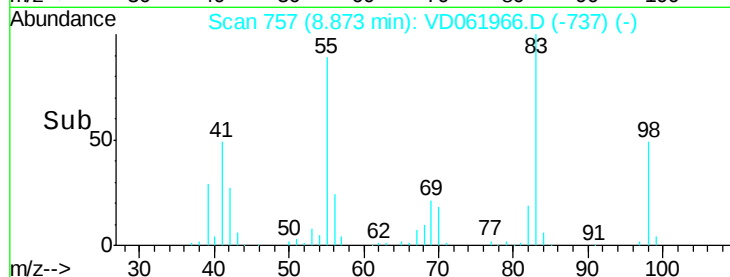
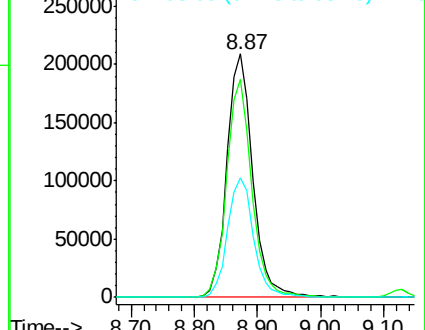
98 49.0 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 67.938 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD061966.D

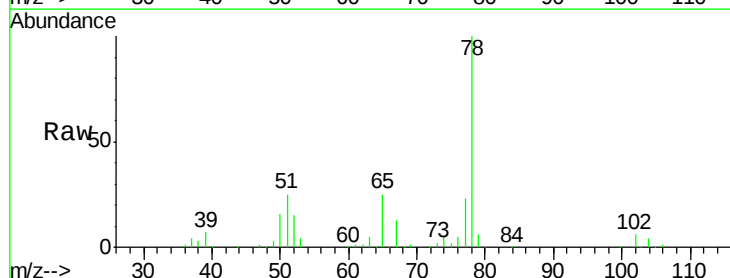
Acq: 23 Apr 2019 12:23

Tgt Ion: 78 Resp: 1489440

Ion Ratio Lower Upper

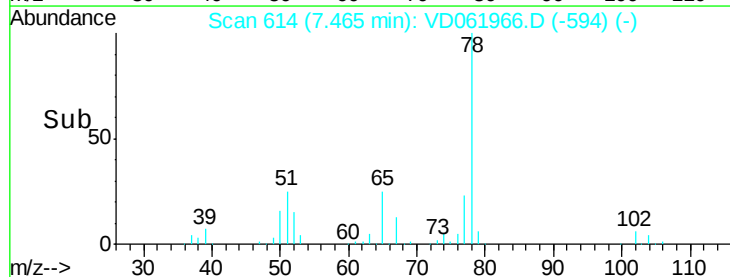
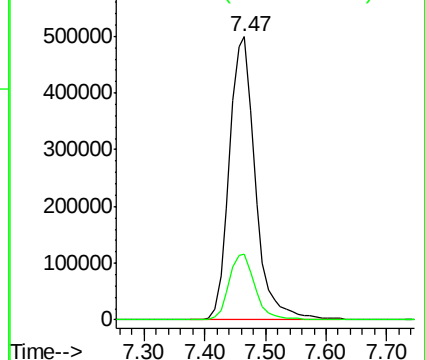
78 100

77 23.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

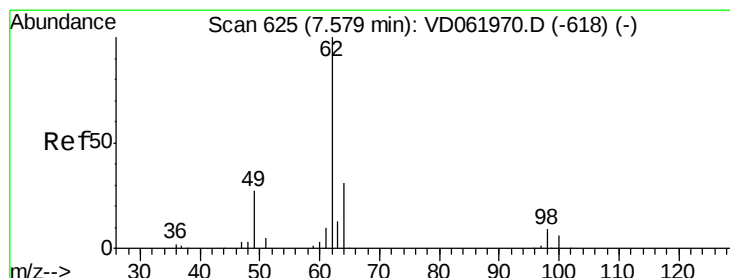
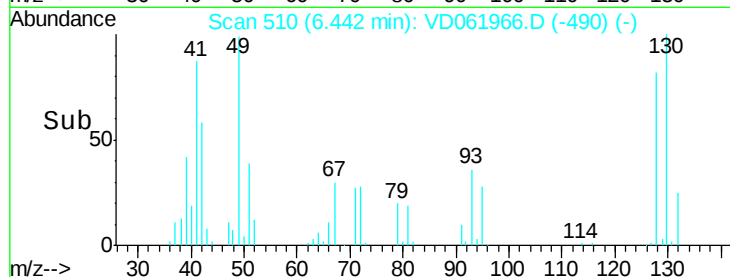
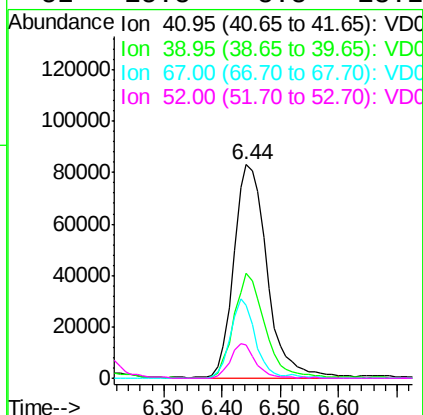
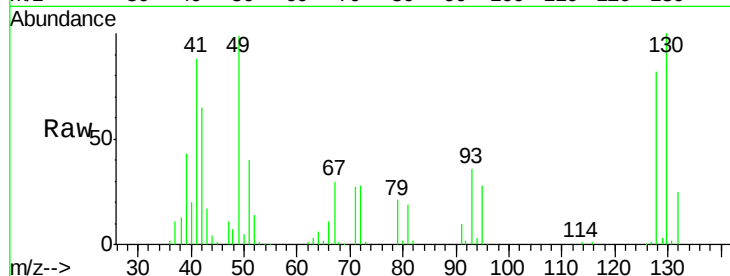




#41
Methacrylonitrile
Concen: 69.602 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

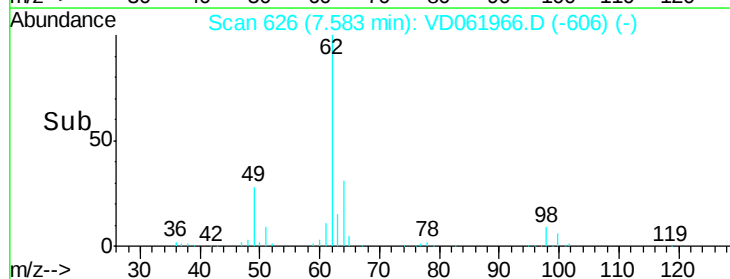
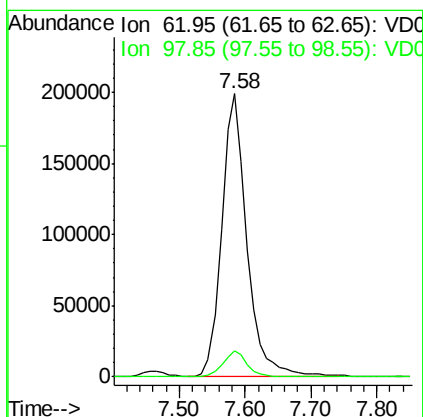
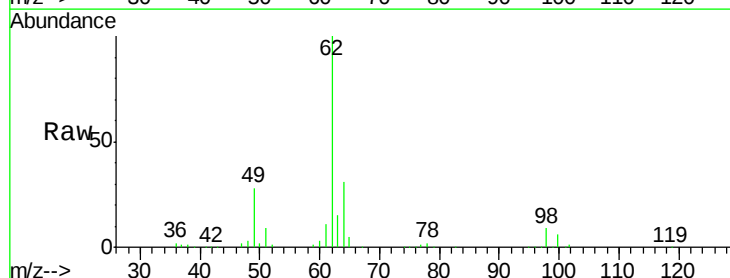
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

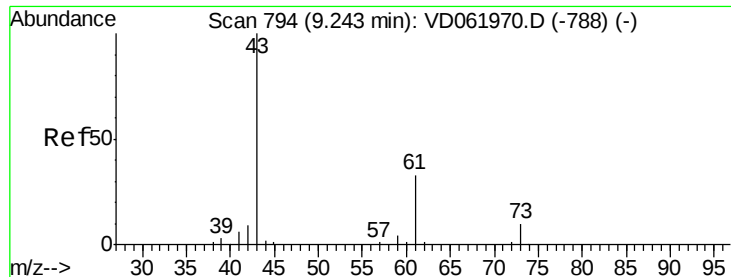
Tot Ion: 41 Resp: 331775
Ion Ratio Lower Upper
41 100
39 49.1 34.1 51.1
67 34.3 23.8 35.6
52 15.8 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 65.249 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 62 Resp: 525173
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.8





#43

Isopropyl Acetate

Concen: 67.877 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

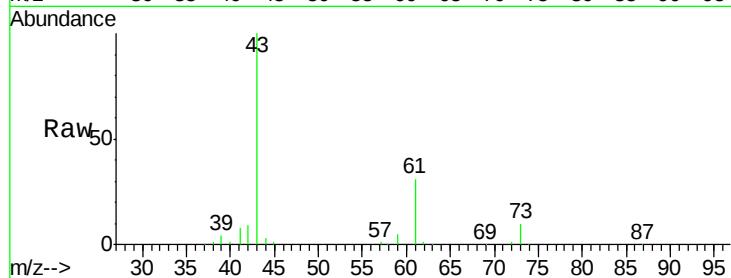
Tot Ion: 43 Resp: 398273

Ion Ratio Lower Upper

43 100

61 31.1 25.1 37.7

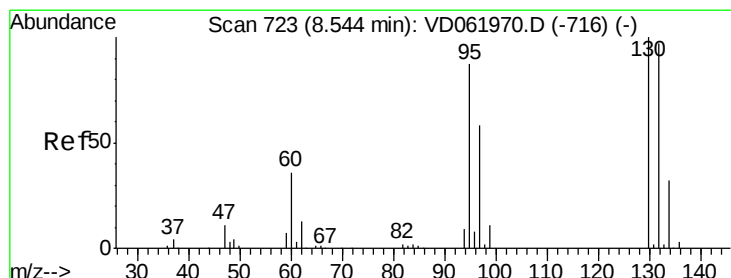
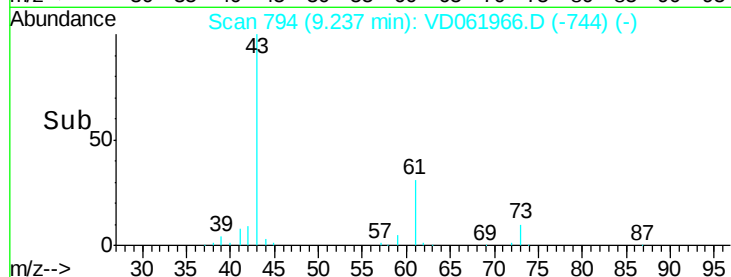
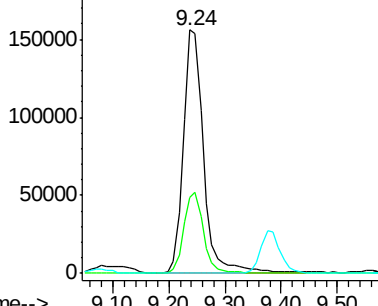
87 0.4 0.0 0.0#



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: 74.464 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD061966.D

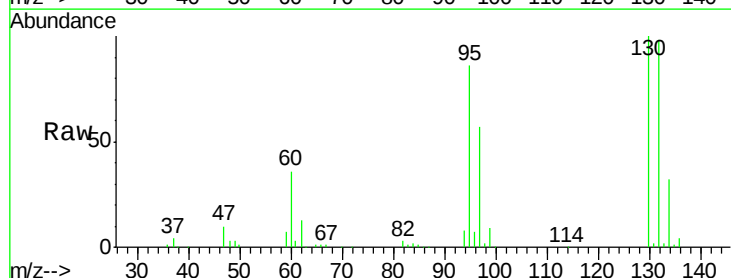
Acq: 23 Apr 2019 12:23

Tgt Ion:130 Resp: 606479

Ion Ratio Lower Upper

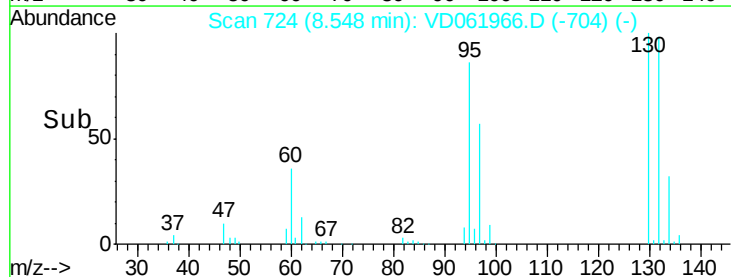
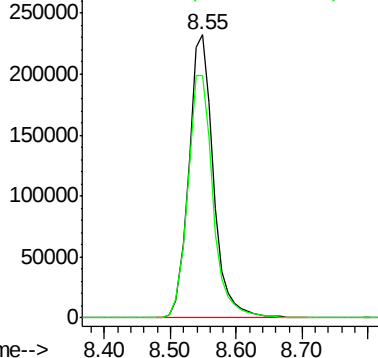
130 100

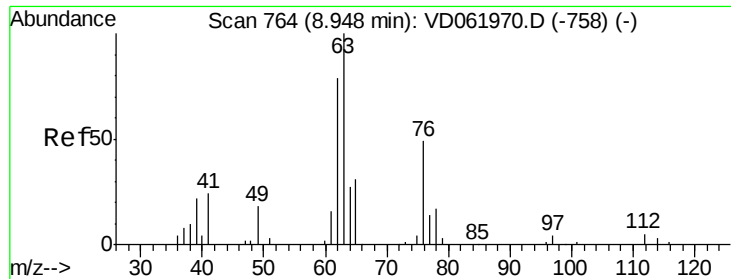
95 85.7 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 71.203 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

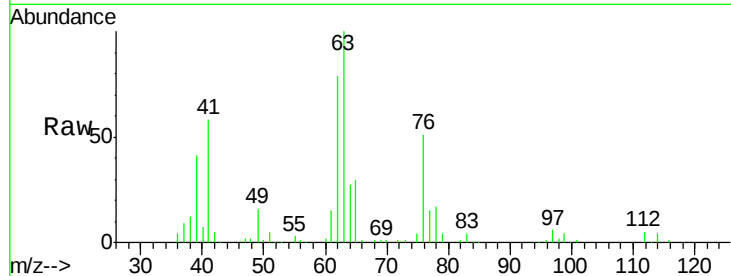
VSTDIC075

Tot Ion: 63 Resp: 398048

Ion Ratio Lower Upper

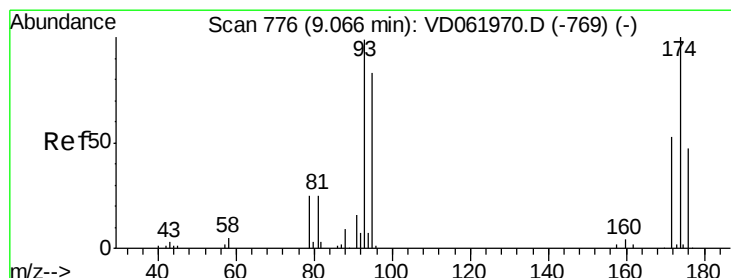
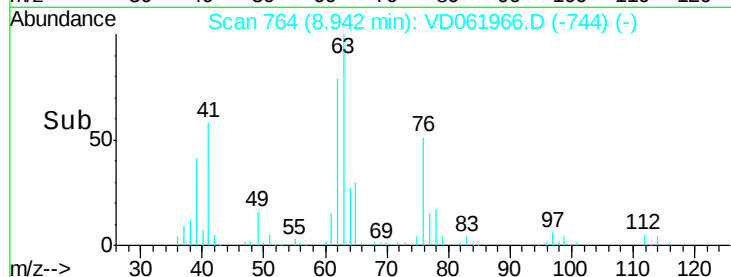
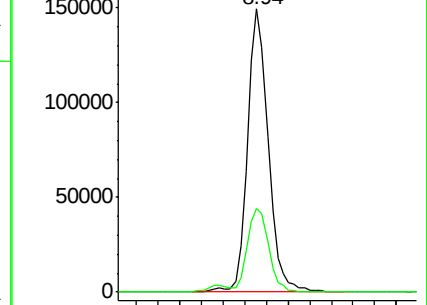
63 100

65 29.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 68.139 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

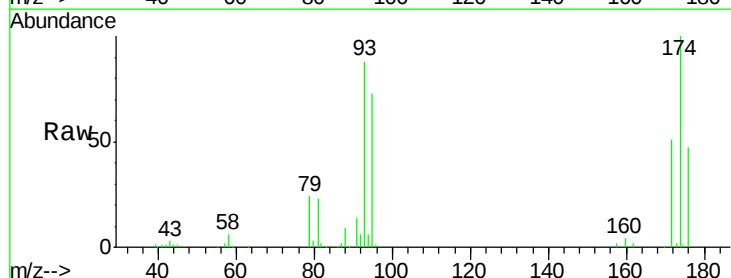
Tgt Ion: 93 Resp: 288986

Ion Ratio Lower Upper

93 100

95 82.8 64.8 97.2

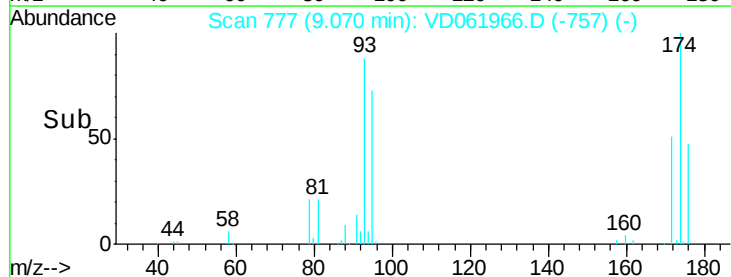
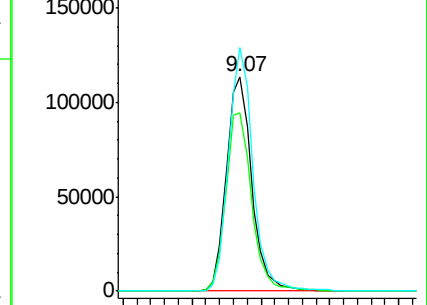
174 113.4 79.3 118.9

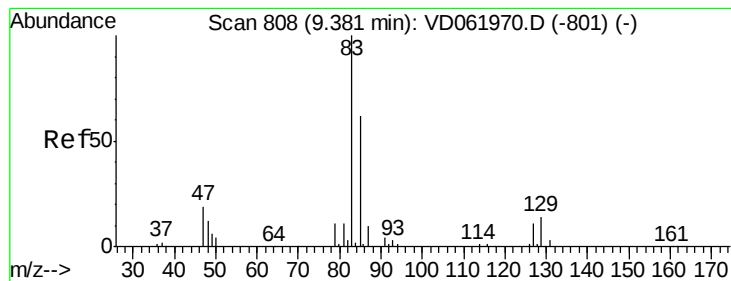


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 67.678 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

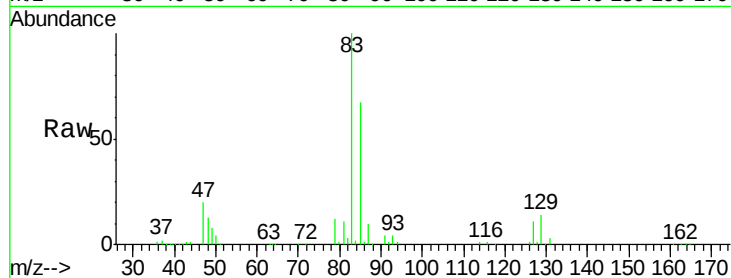
Tot Ion: 83 Resp: 657715

Ion Ratio Lower Upper

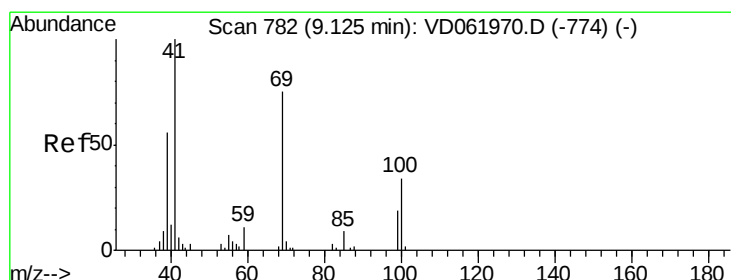
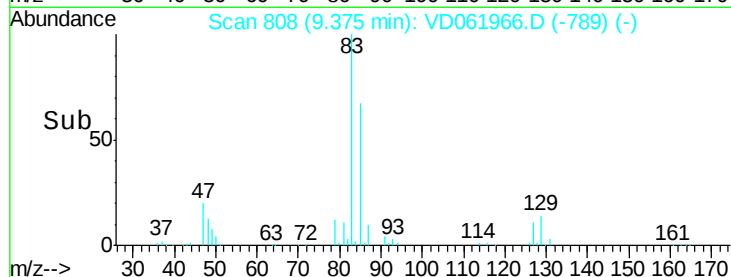
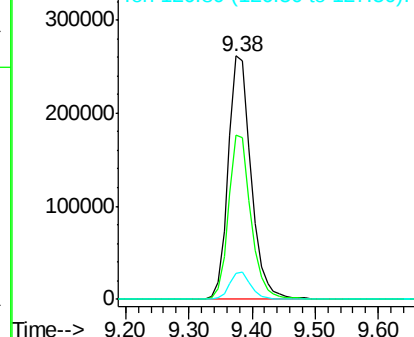
83 100

85 67.2 50.9 76.3

127 10.9 8.1 12.1



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: 69.775 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

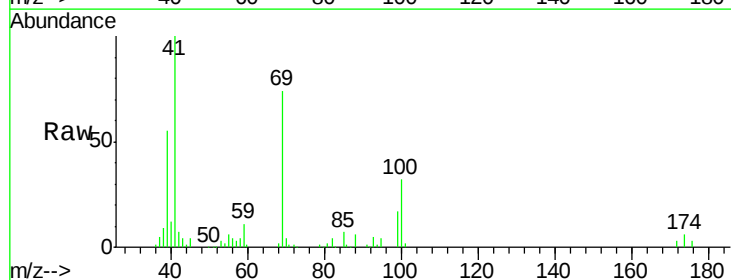
Tgt Ion: 41 Resp: 233586

Ion Ratio Lower Upper

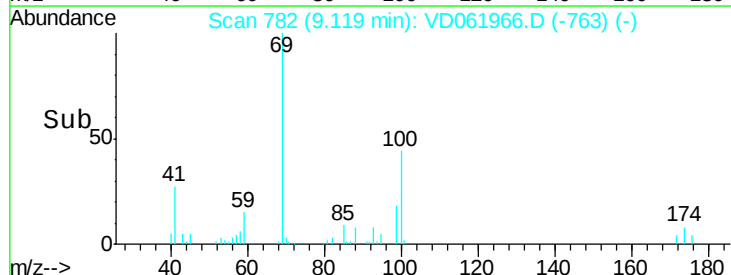
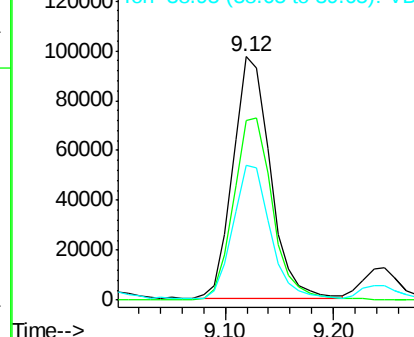
41 100

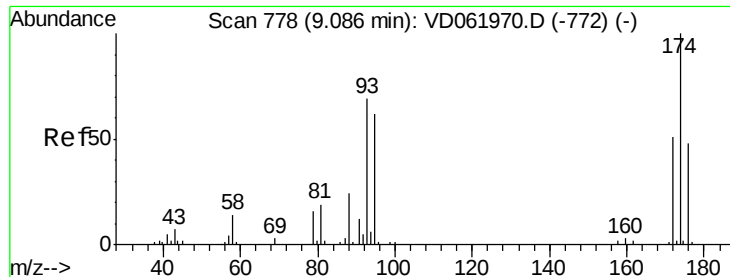
69 73.6 64.2 96.2

39 55.3 46.8 70.2



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

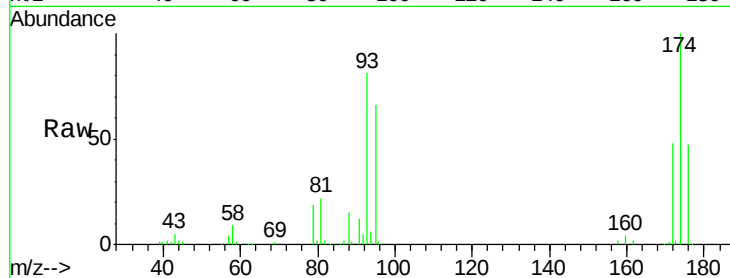




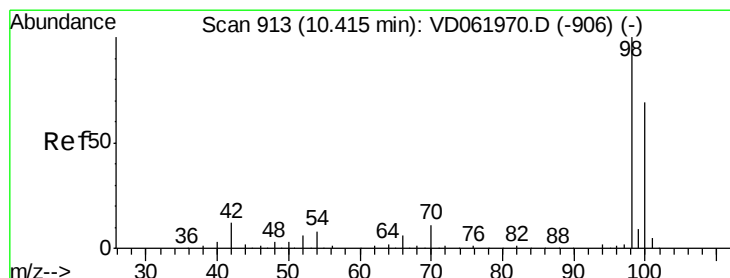
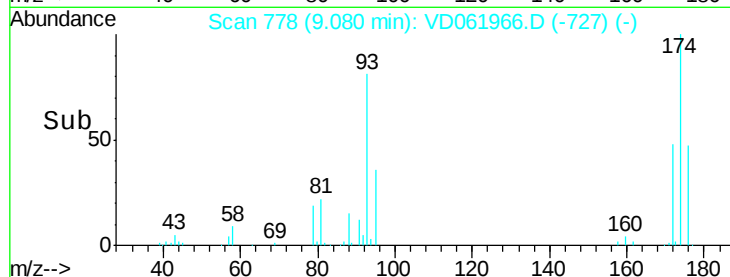
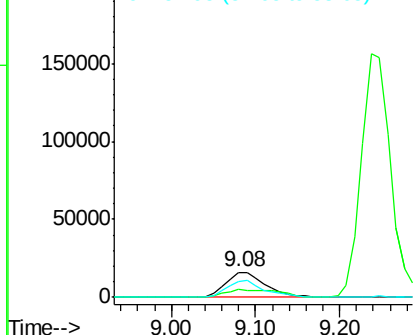
#49
1,4-Dioxane
Concen: 1523.232 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 88 Resp: 52692
Ion Ratio Lower Upper
88 100
43 33.9 23.4 35.0
58 63.8 44.0 66.0

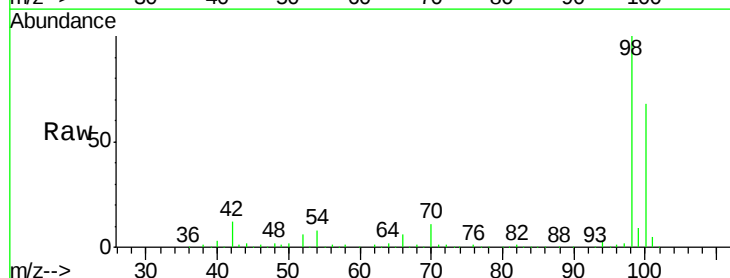


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

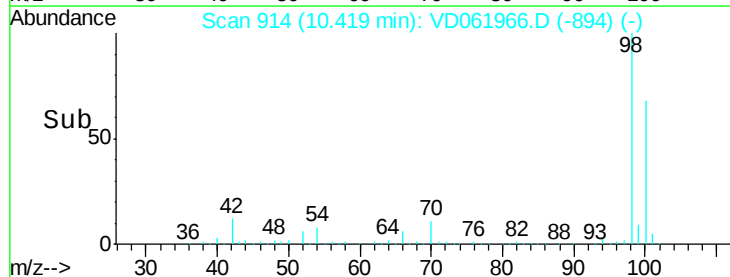
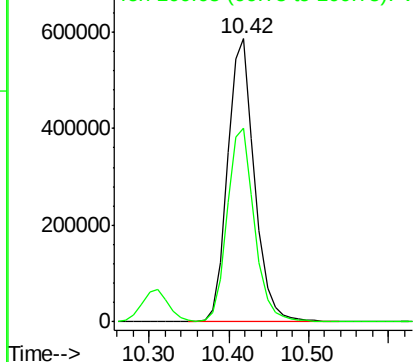


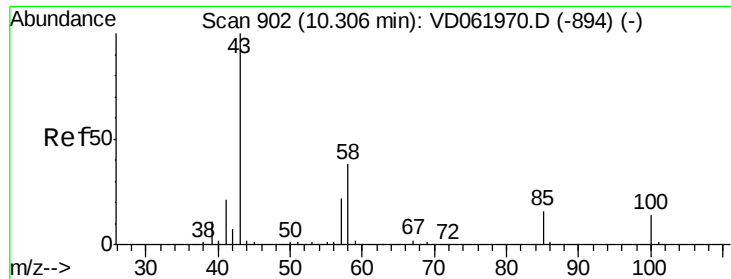
#50
Toluene-d8
Concen: 1523.232 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 98 Resp: 1378991
Ion Ratio Lower Upper
98 100
100 68.3 53.8 80.8



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

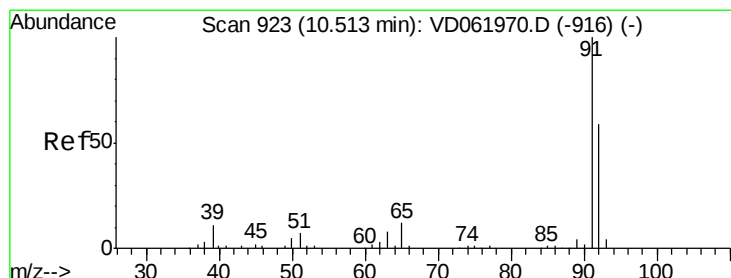
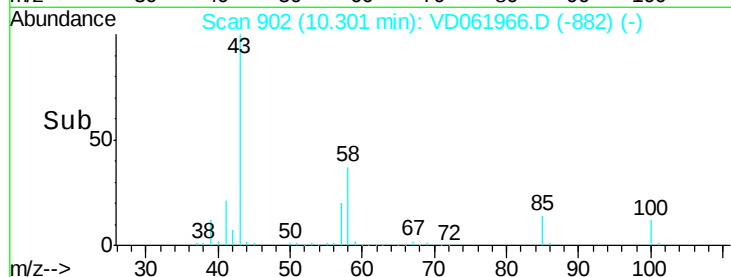
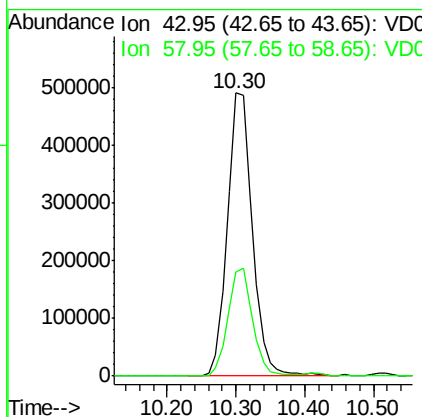
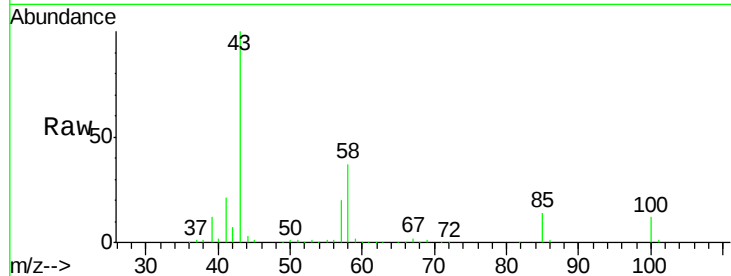




#51
 4-Methyl-2-Pentanone
 Concen: 330.034 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

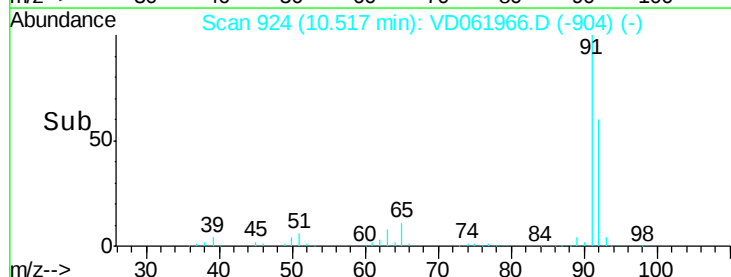
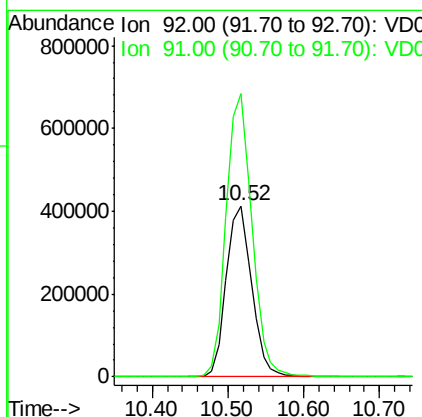
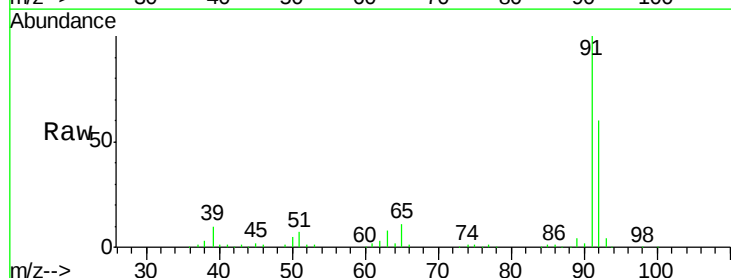
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

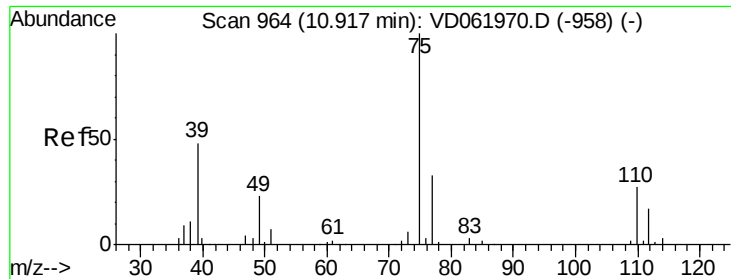
Tot Ion: 43 Resp: 1237148
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.4 45.6



#52
 Toluene
 Concen: 68.366 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Tgt Ion: 92 Resp: 964333
 Ion Ratio Lower Upper
 92 100
 91 165.8 136.6 204.8

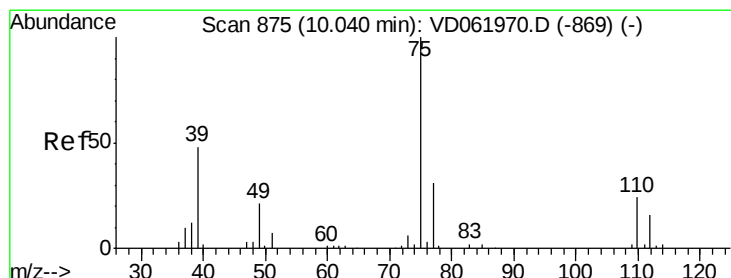
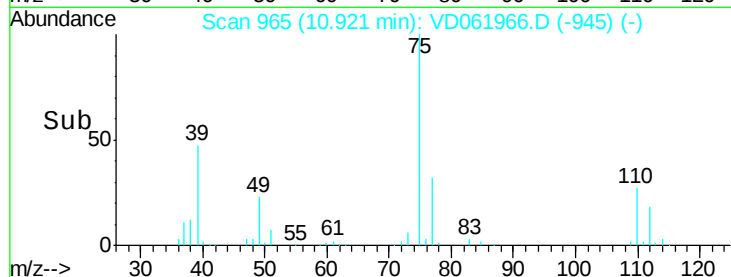
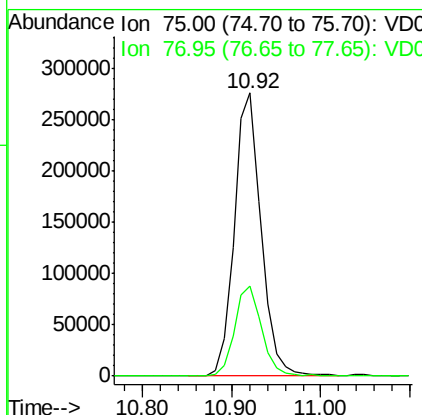
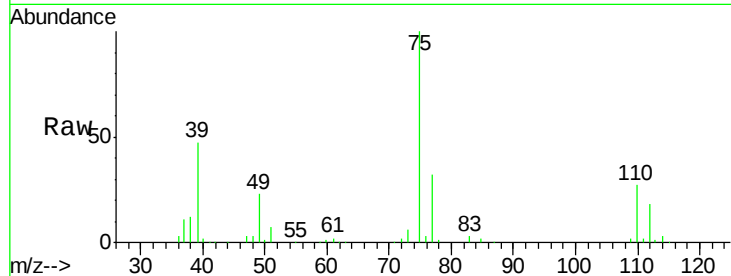




#53
 t-1,3-Dichloropropene
 Concen: 67.122 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

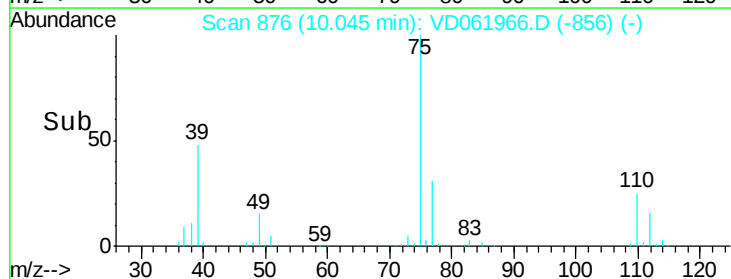
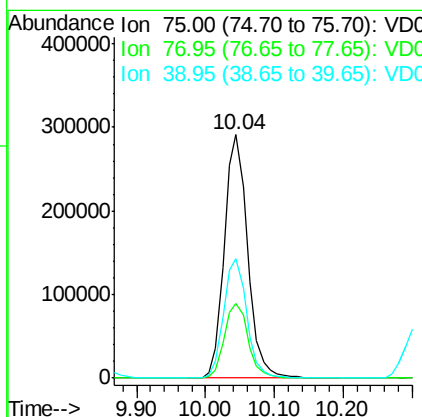
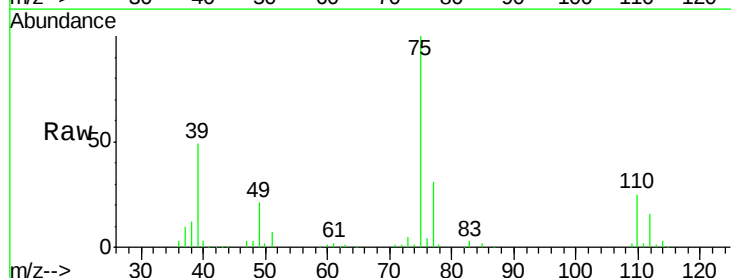
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

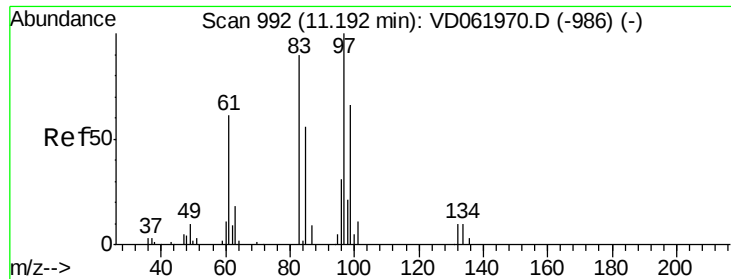
Tot Ion: 75 Resp: 579150
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 68.046 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Tgt Ion: 75 Resp: 682085
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.5 38.3
 39 49.1 39.4 59.2



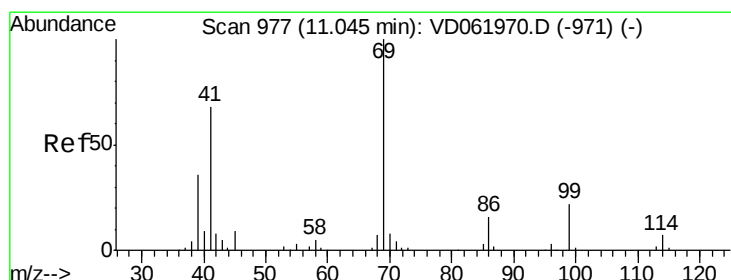
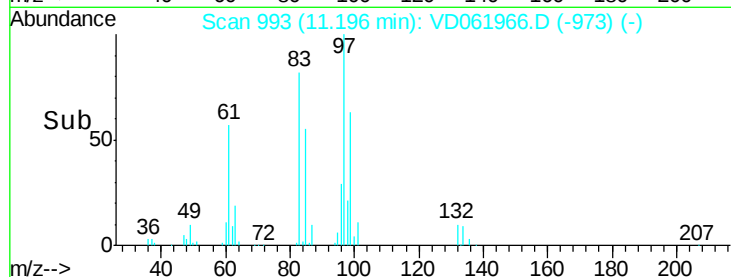
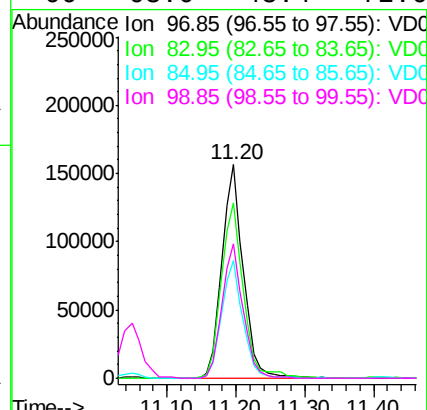
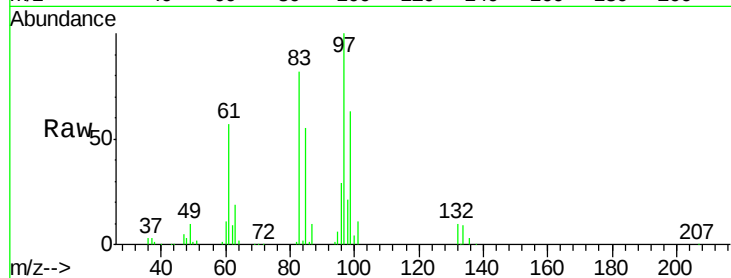


#55
1,1,2-Trichloroethane
Concen: 65.760 ug/l
RT: 11.20 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 97 Resp: 333796

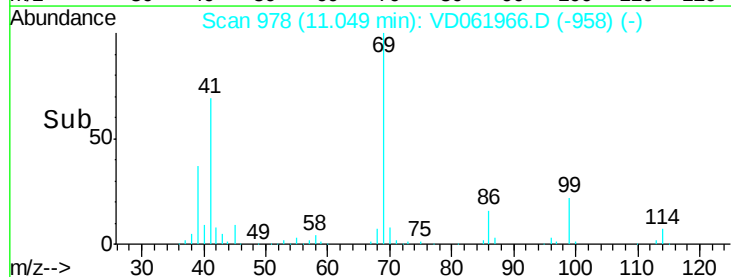
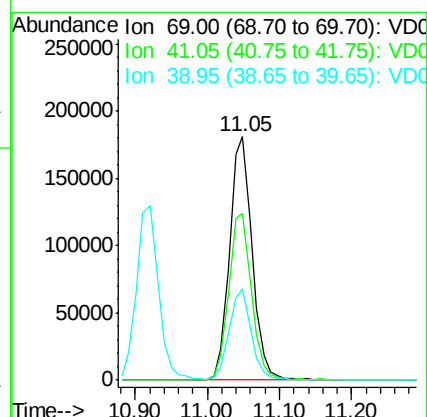
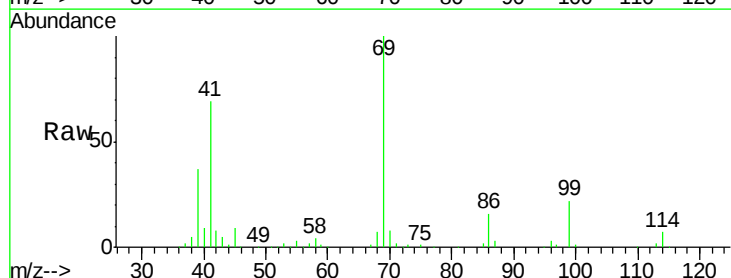
Ion	Ratio	Lower	Upper
97	100		
83	82.2	65.7	98.5
85	55.0	45.6	68.4
99	63.0	48.4	72.6

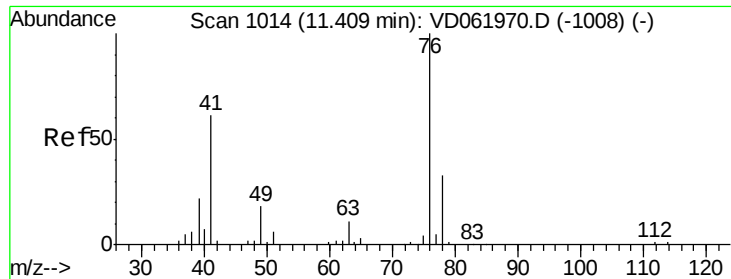


#56
Ethyl methacrylate
Concen: 72.620 ug/l
RT: 11.05 min Scan# 978
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 69 Resp: 391554

Ion	Ratio	Lower	Upper
69	100		
41	68.5	56.3	84.5
39	37.3	29.4	44.2

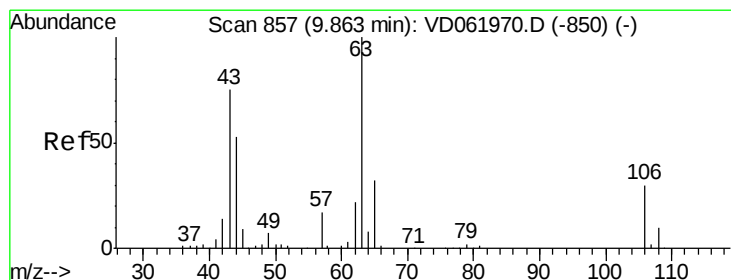
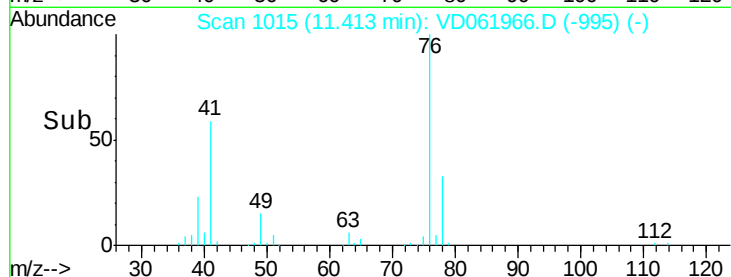
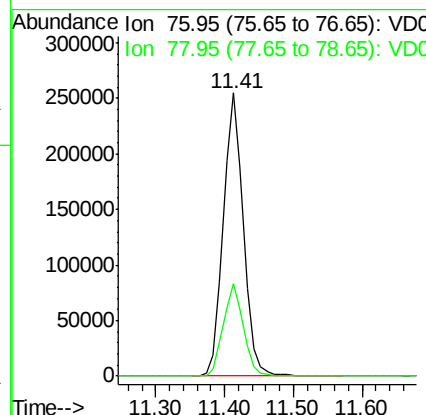
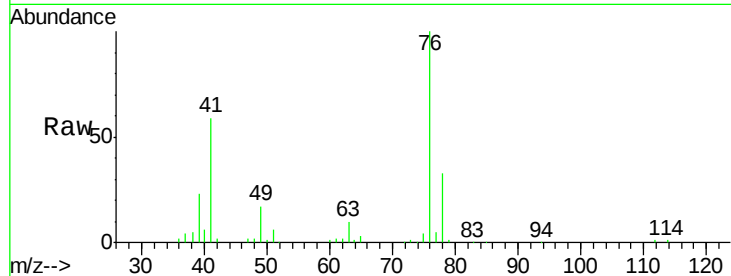




#57
 1,3-Dichloropropane
 Concen: 67.793 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

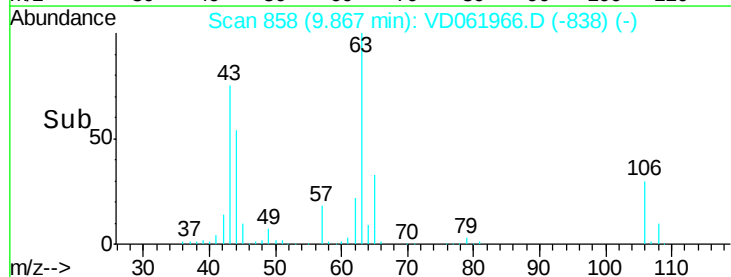
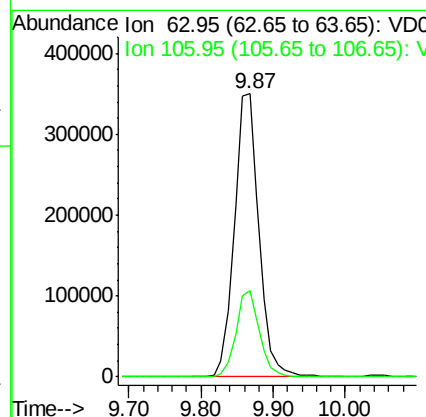
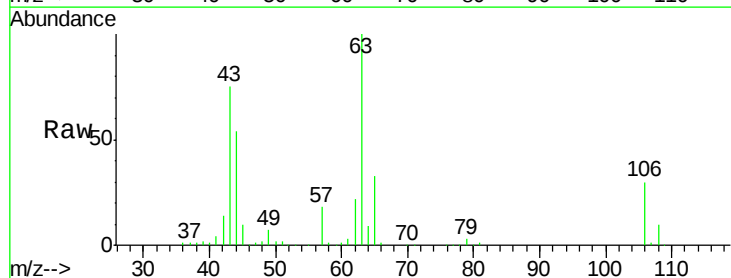
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 512729
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 320.961 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Tgt Ion: 63 Resp: 830321
 Ion Ratio Lower Upper
 63 100
 106 30.5 22.6 34.0

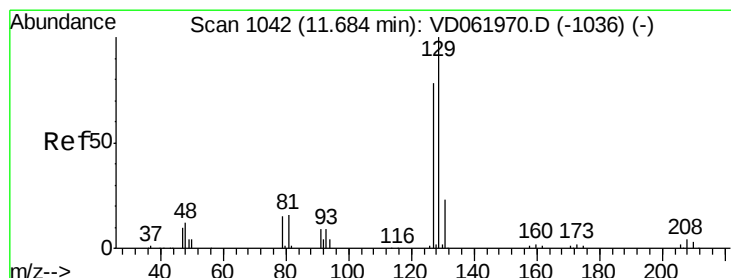
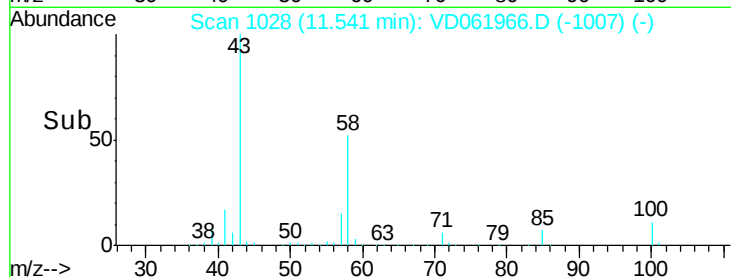
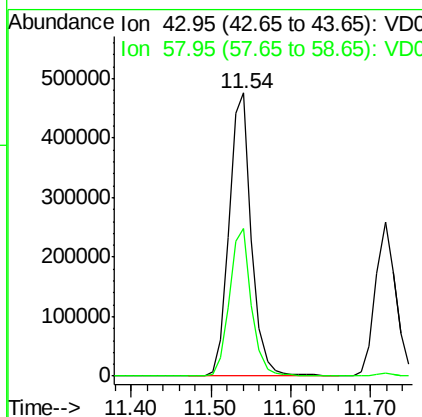
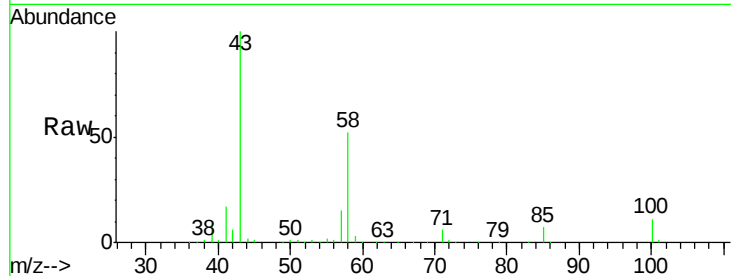




#59
2-Hexanone
Concen: 355.099 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

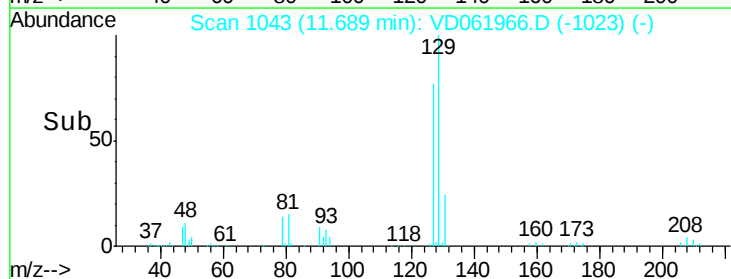
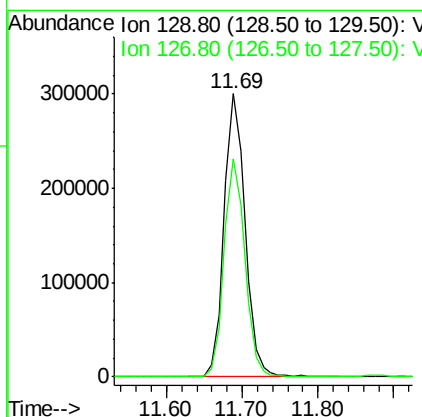
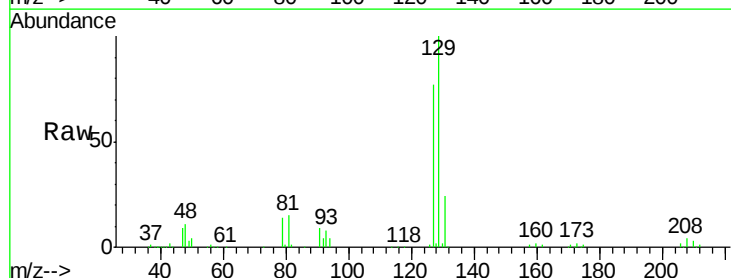
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

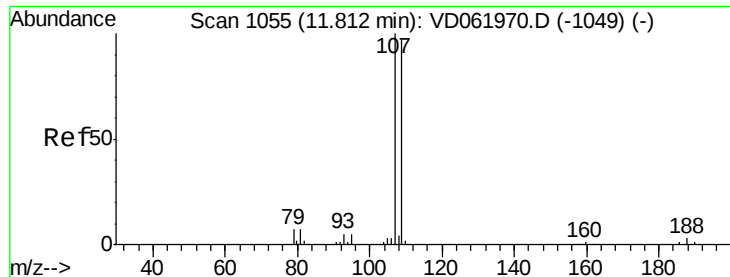
Tot Ion: 43 Resp: 936449
Ion Ratio Lower Upper
43 100
58 52.2 25.4 76.4



#60
Dibromochloromethane
Concen: 70.693 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion: 129 Resp: 577637
Ion Ratio Lower Upper
129 100
127 77.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 66.542 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

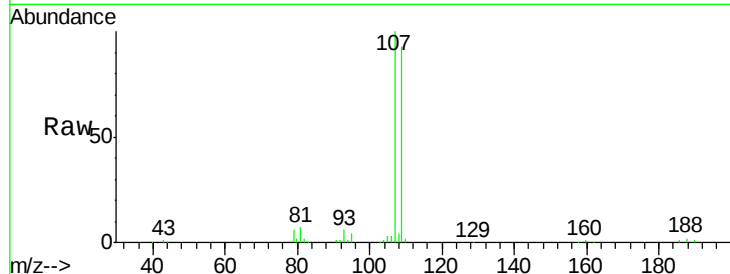
VSTDIC075

Tot Ion:107 Resp: 404712

Ion Ratio Lower Upper

107 100

109 92.8 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

200000

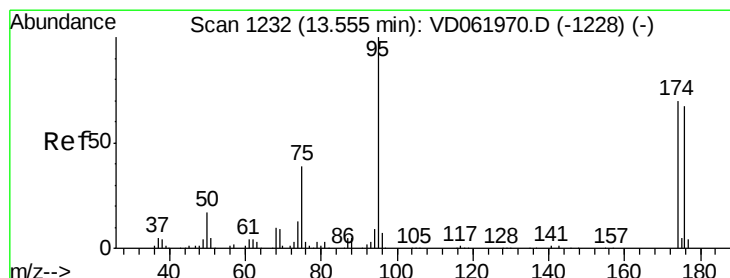
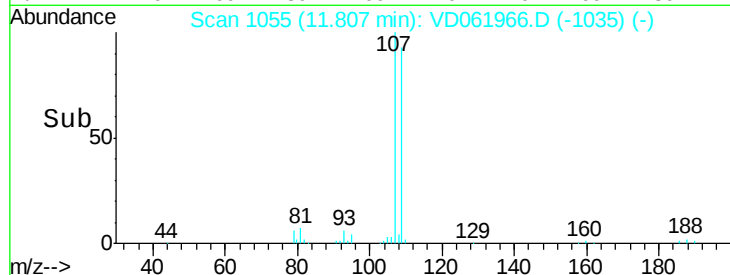
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 66.542 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

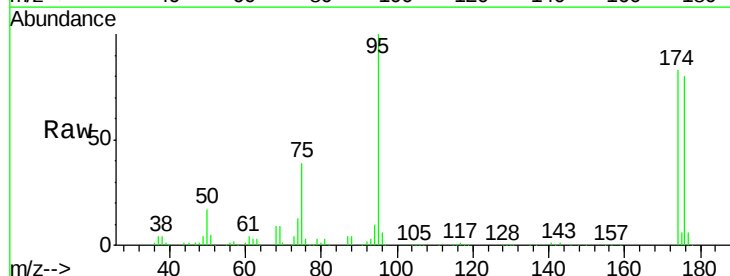
Tgt Ion: 95 Resp: 525581

Ion Ratio Lower Upper

95 100

174 82.5 0.0 181.8

176 80.1 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

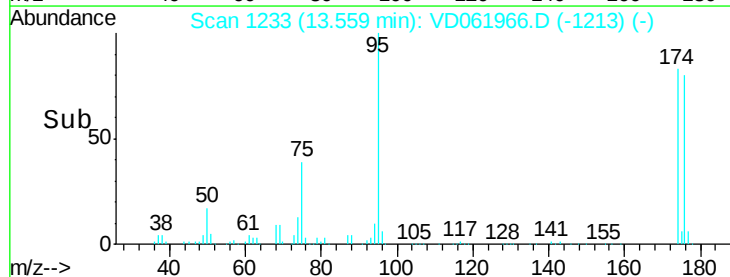
300000

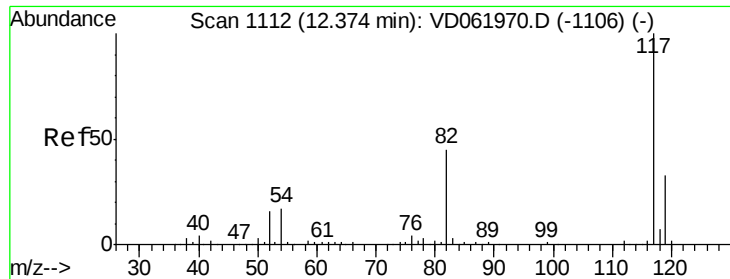
200000

100000

0

Time-->

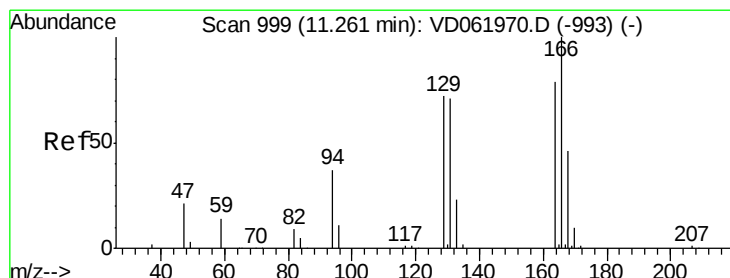
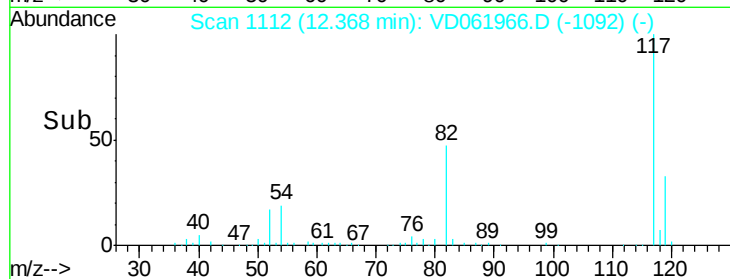
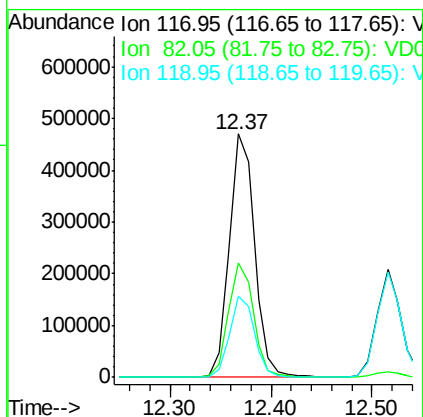
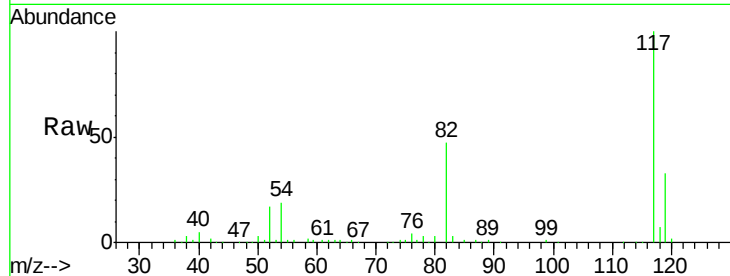




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

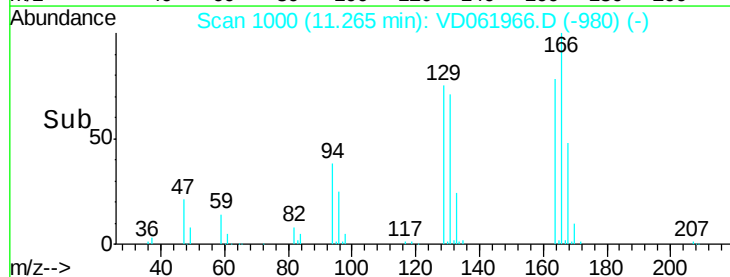
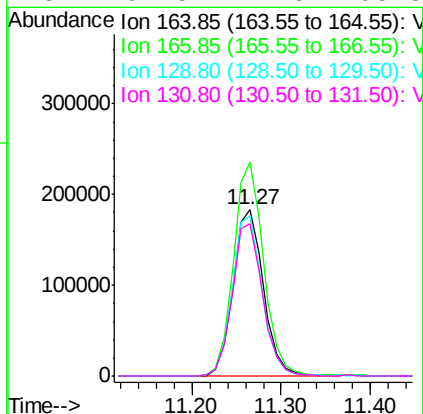
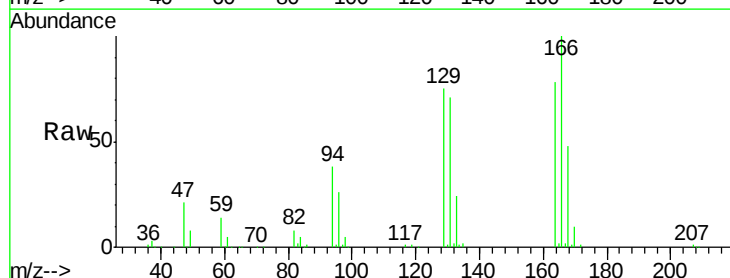
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

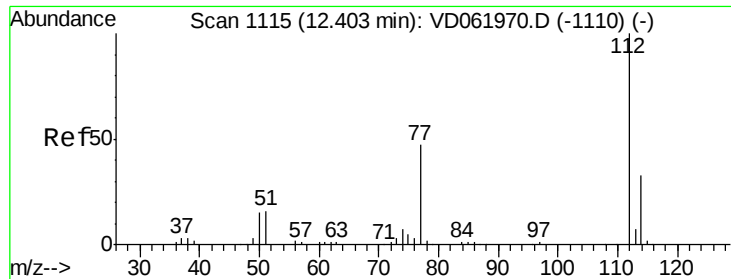
Tot Ion:117 Resp: 814588
Ion Ratio Lower Upper
117 100
82 46.9 36.2 54.2
119 33.2 26.2 39.4



#64
Tetrachloroethene
Concen: 73.329 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion:164 Resp: 434958
Ion Ratio Lower Upper
164 100
166 128.8 101.5 152.3
129 96.2 74.6 112.0
131 91.5 72.6 108.8

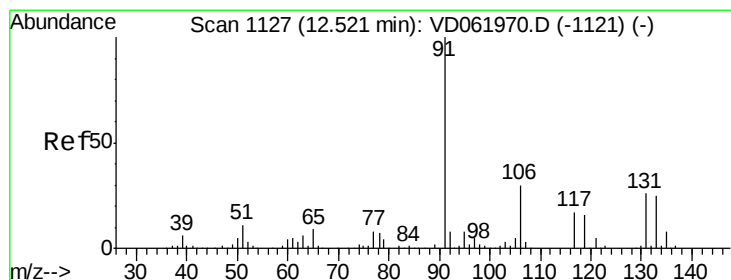
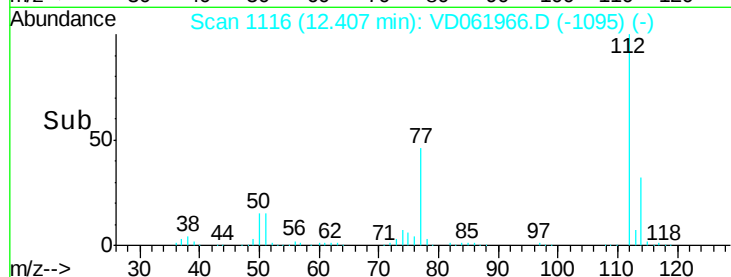
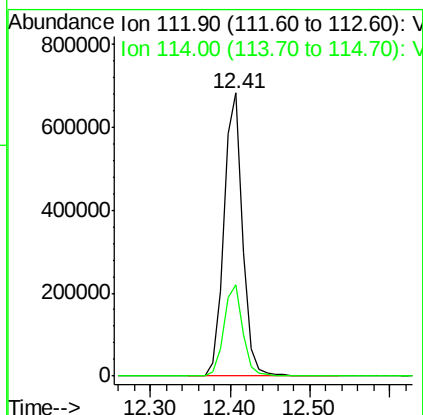
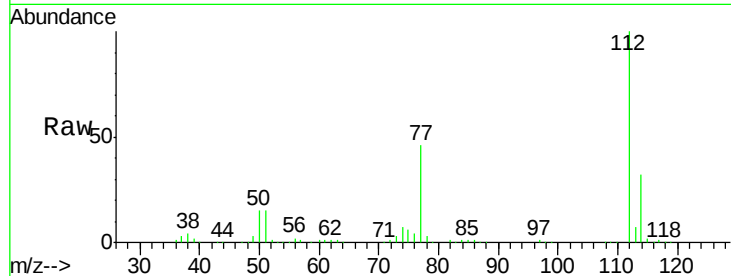




#65
Chlorobenzene
Concen: 72.029 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

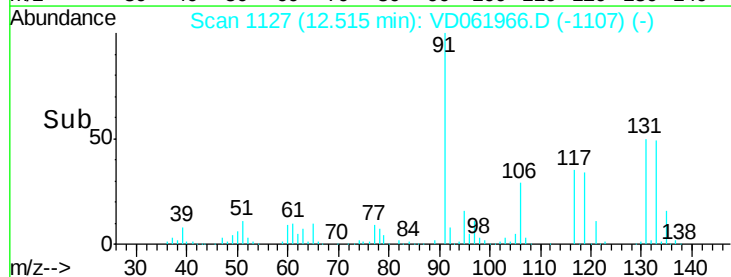
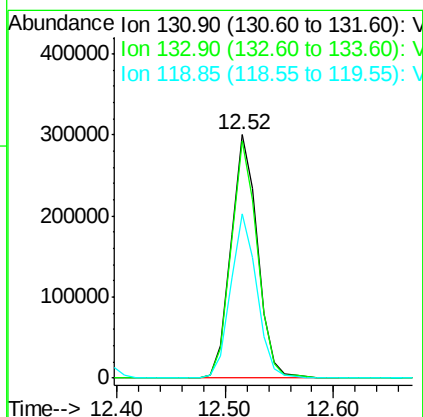
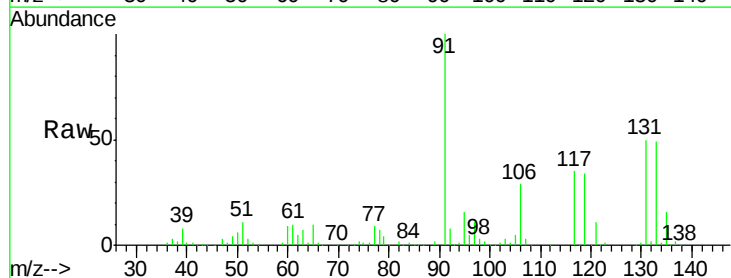
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1126069
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 79.520 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion:131 Resp: 513179
Ion Ratio Lower Upper
131 100
133 97.2 48.6 145.8
119 67.4 34.7 104.1





#67

Ethyl Benzene

Concen: 79.367 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

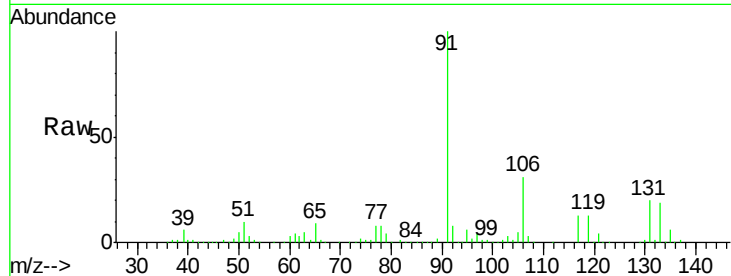
VSTDIC075

Tot Ion: 91 Resp: 1883941

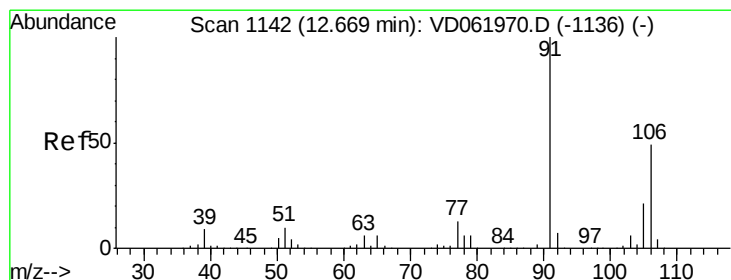
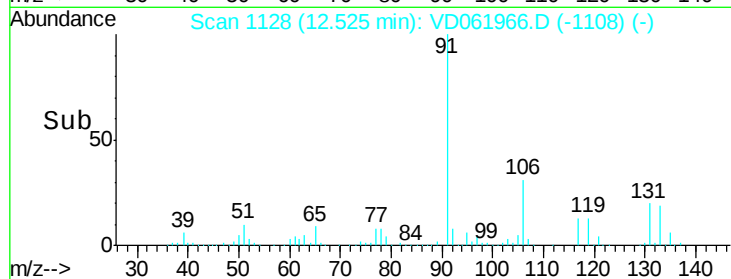
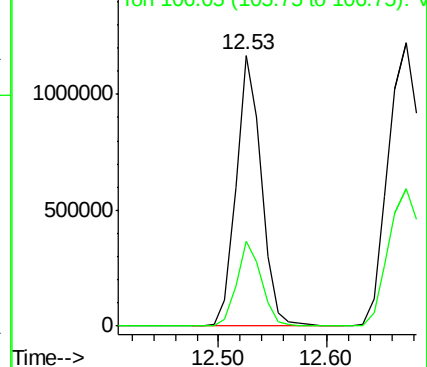
Ion Ratio Lower Upper

91 100

106 31.2 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 137.748 ug/l

RT: 12.67 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD061966.D

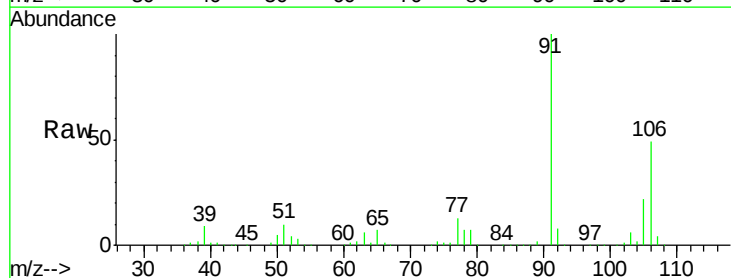
Acq: 23 Apr 2019 12:23

Tgt Ion:106 Resp: 1250678

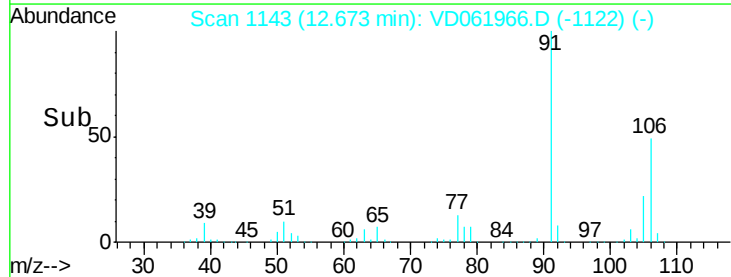
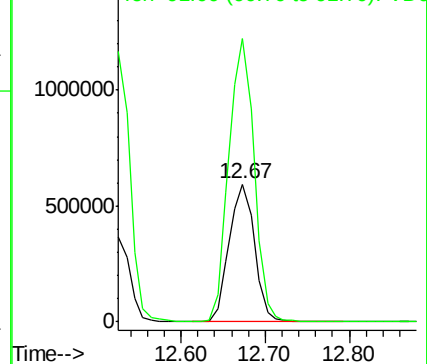
Ion Ratio Lower Upper

106 100

91 205.5 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V

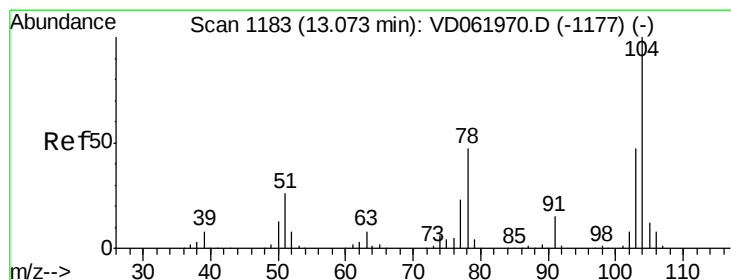
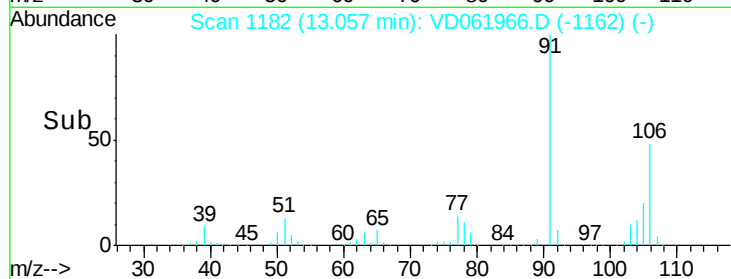
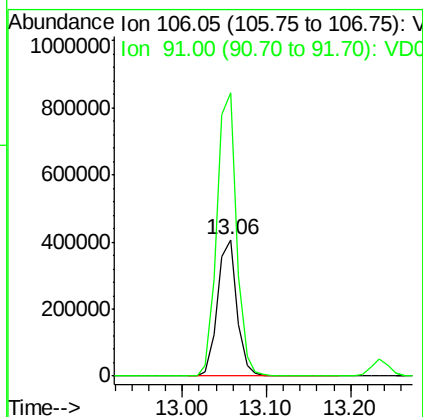
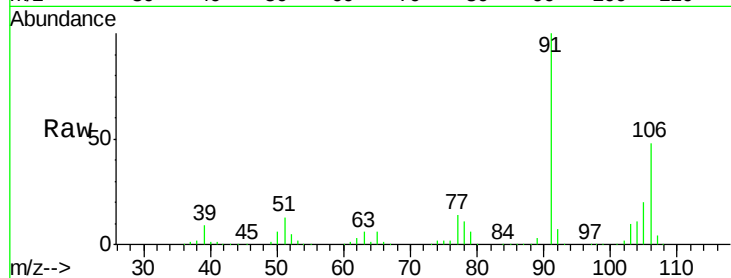




#69
o-Xylene
Concen: 75.477 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

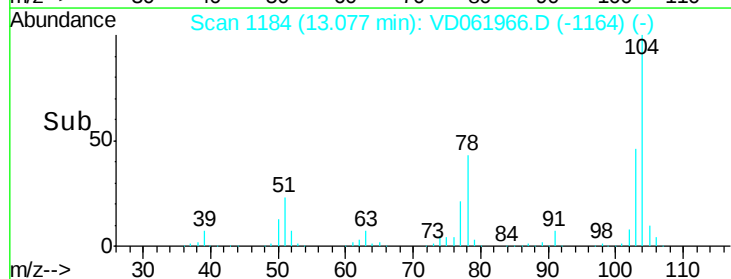
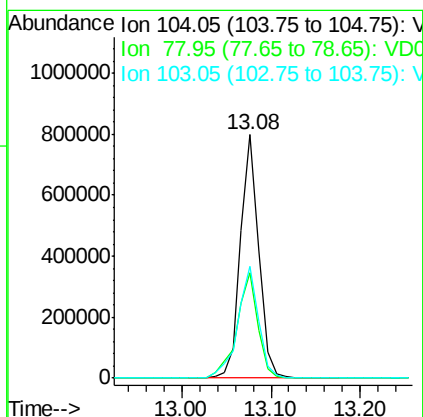
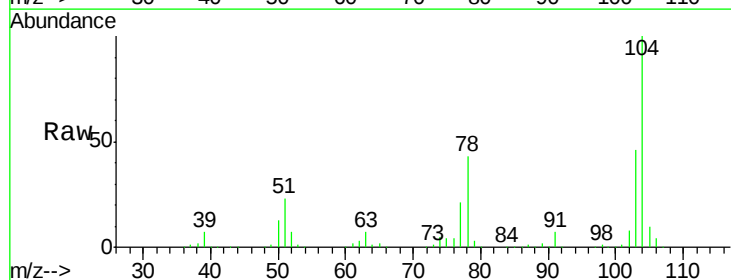
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

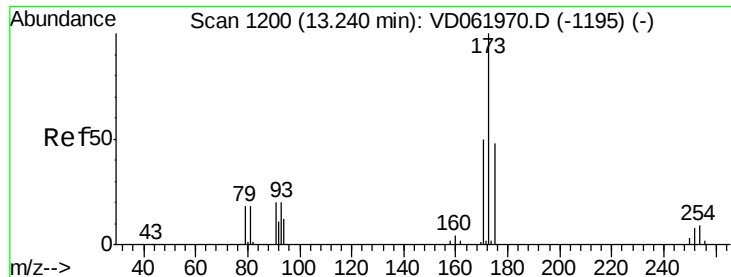
Tot Ion:106 Resp: 652195
Ion Ratio Lower Upper
106 100
91 207.8 106.7 319.9



#70
Styrene
Concen: 76.373 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion:104 Resp: 1141990
Ion Ratio Lower Upper
104 100
78 43.3 35.4 53.2
103 46.0 37.5 56.3





#71

Bromoform

Concen: 79.620 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

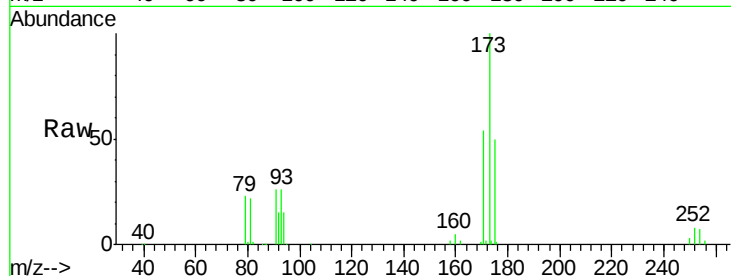
Tot Ion:173 Resp: 317170

Ion Ratio Lower Upper

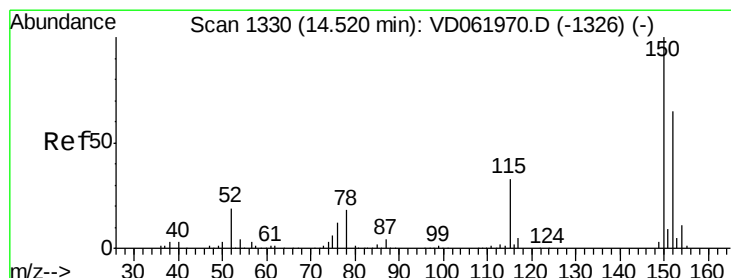
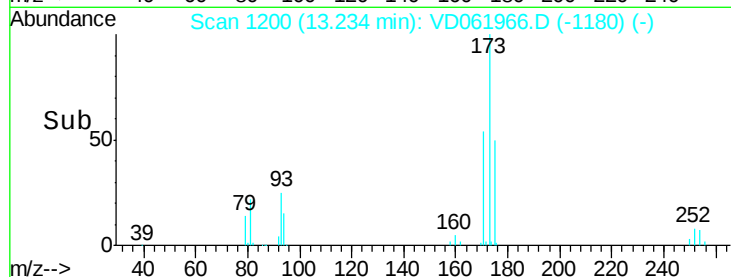
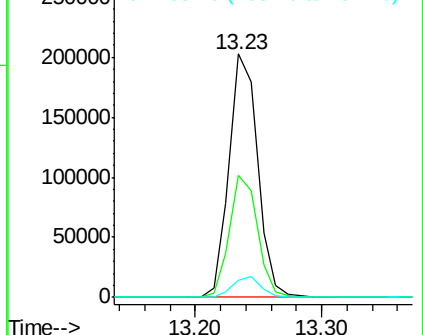
173 100

175 50.2 24.4 73.4

254 7.2 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

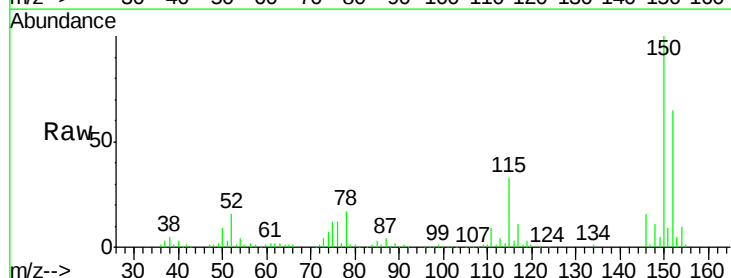
Tgt Ion:152 Resp: 352578

Ion Ratio Lower Upper

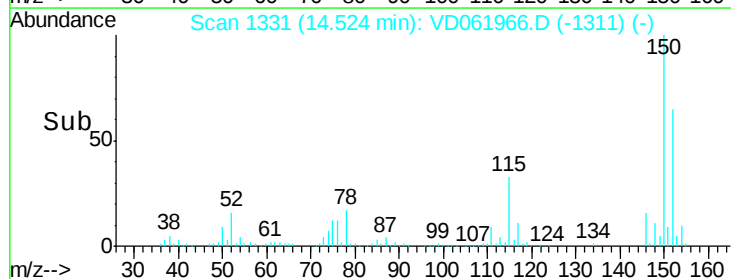
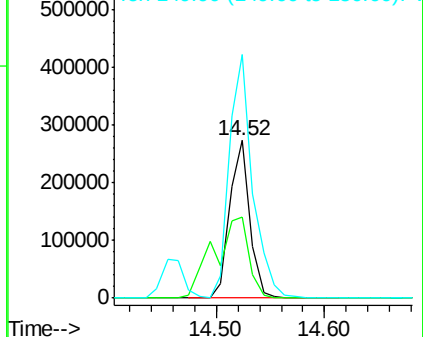
152 100

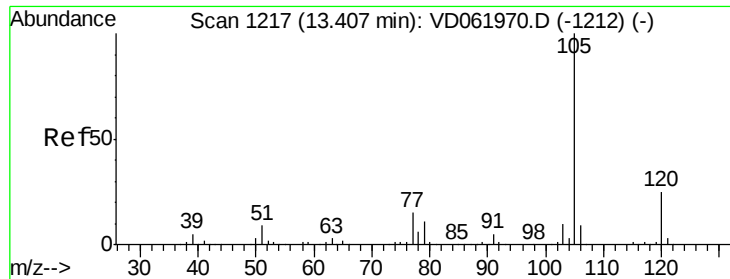
115 51.5 30.9 92.7

150 154.6 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 76.824 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

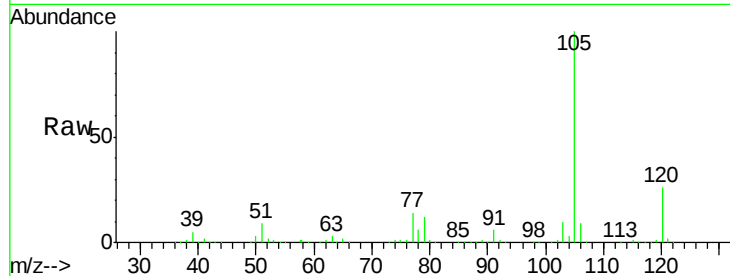
VSTDIC075

Tot Ion:105 Resp: 1727254

Ion Ratio Lower Upper

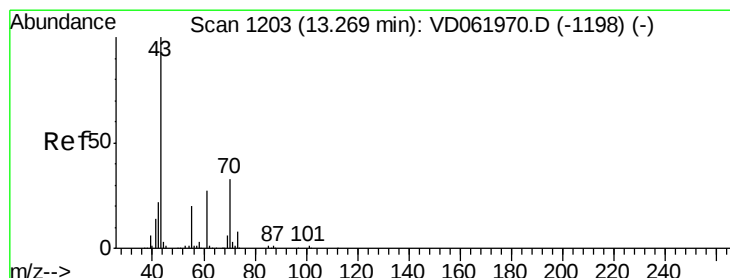
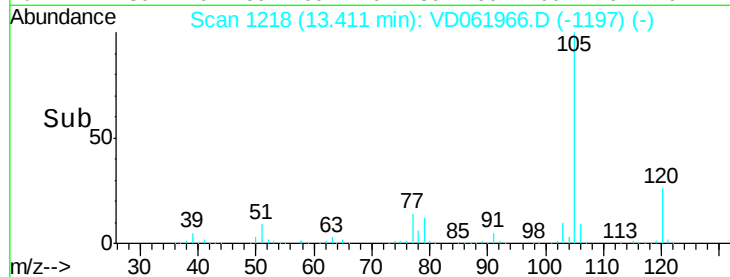
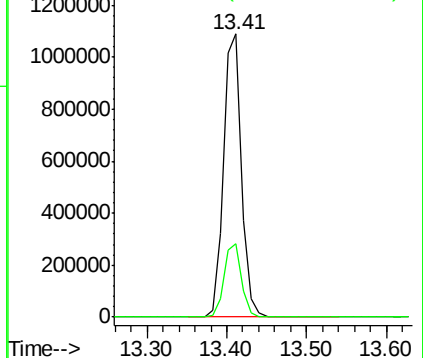
105 100

120 25.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 81.030 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Tgt Ion: 43 Resp: 495524

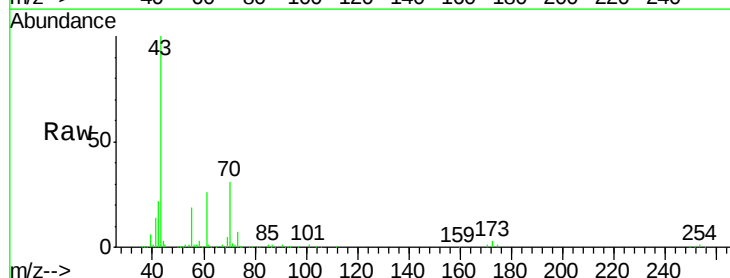
Ion Ratio Lower Upper

43 100

70 30.9 24.2 36.4

55 18.5 16.0 24.0

61 25.7 21.6 32.4

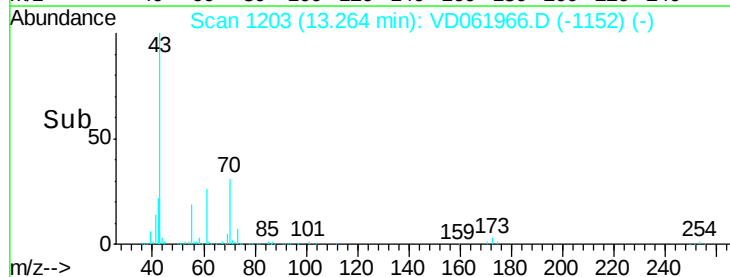
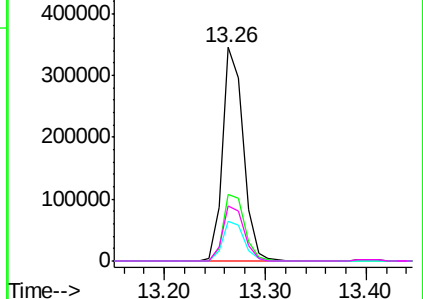


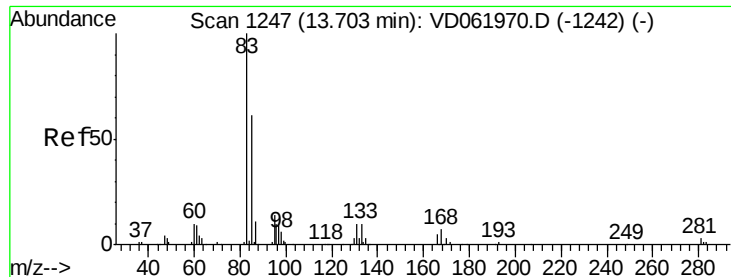
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 82.162 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

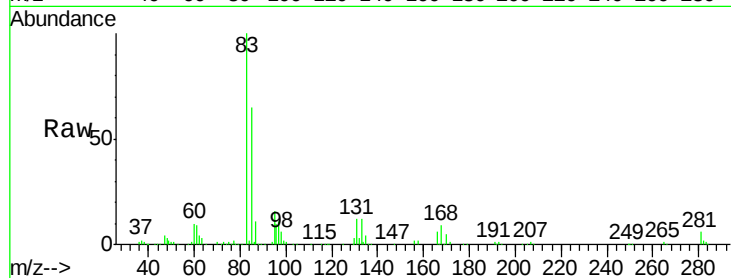
Tot Ion: 83 Resp: 398191

Ion Ratio Lower Upper

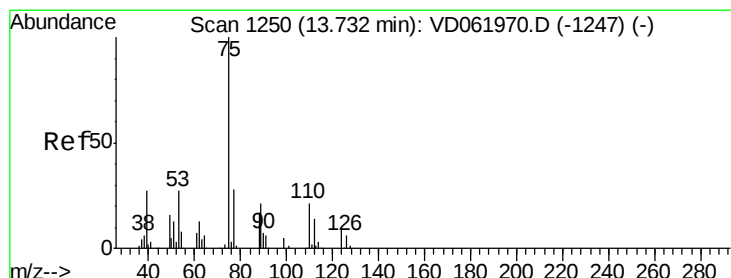
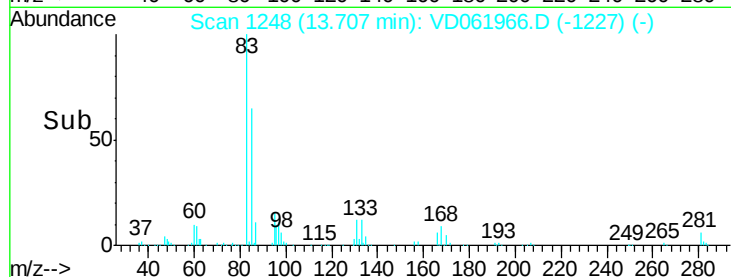
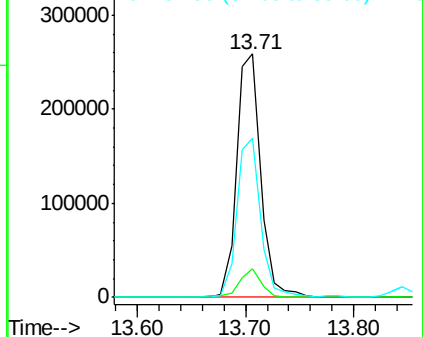
83 100

131 11.7 5.0 14.9

85 65.4 32.6 97.7



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: 76.319 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD061966.D

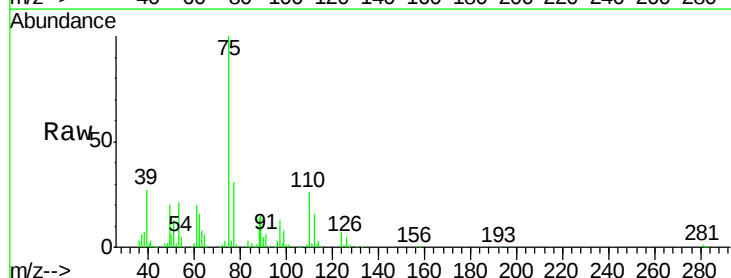
Acq: 23 Apr 2019 12:23

Tgt Ion: 75 Resp: 357310

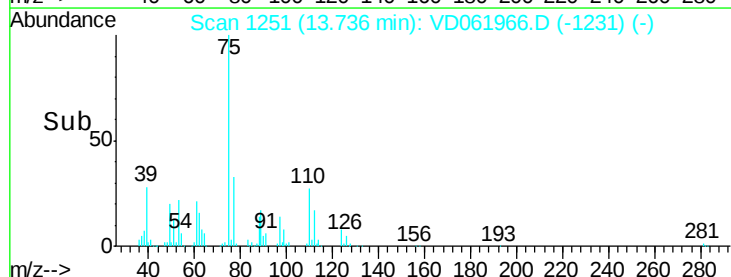
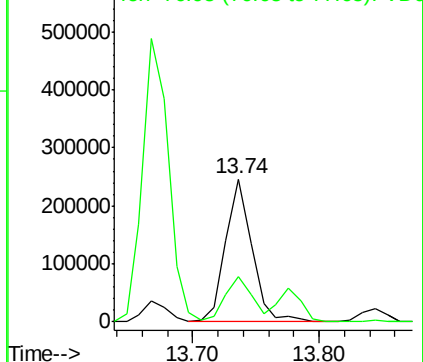
Ion Ratio Lower Upper

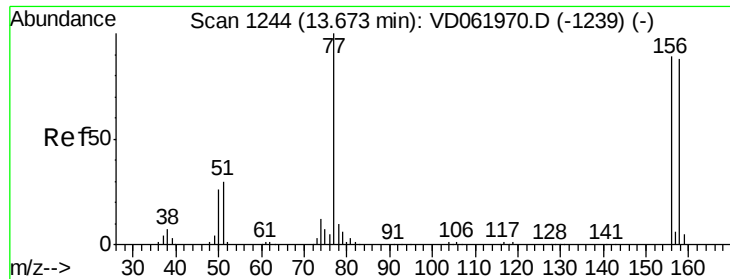
75 100

77 31.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 83.642 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

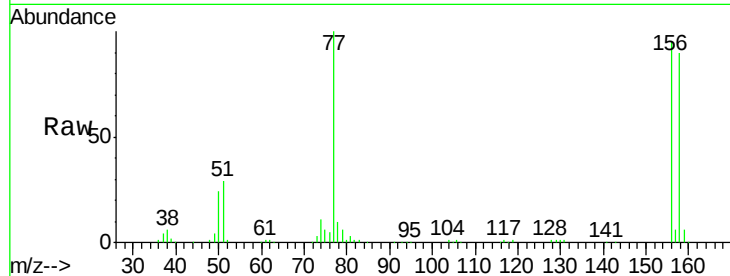
Tot Ion:156 Resp: 553685

Ion Ratio Lower Upper

156 100

77 104.7 53.1 159.4

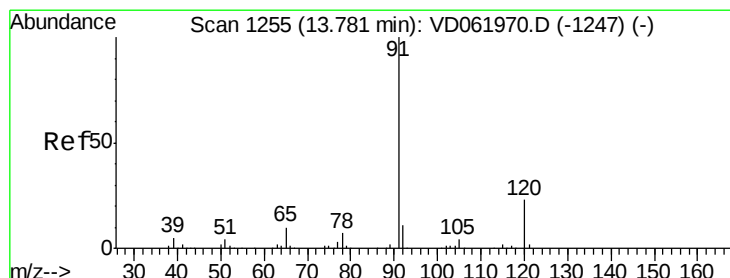
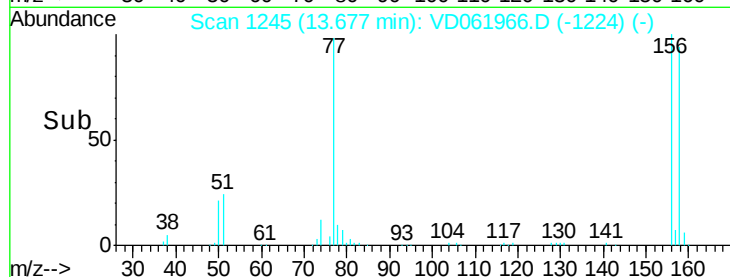
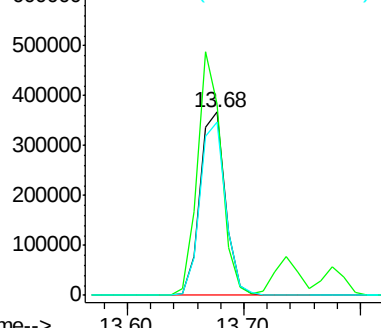
158 94.5 49.4 148.0



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: 74.361 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD061966.D

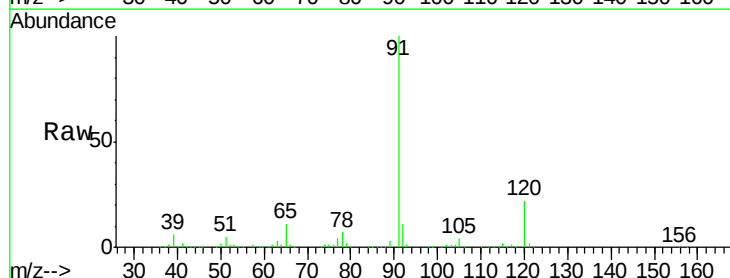
Acq: 23 Apr 2019 12:23

Tgt Ion: 91 Resp: 1984639

Ion Ratio Lower Upper

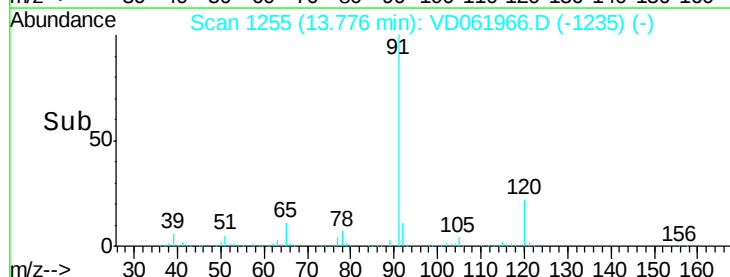
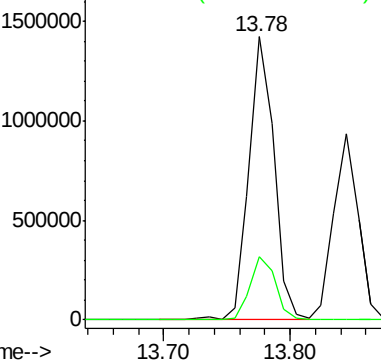
91 100

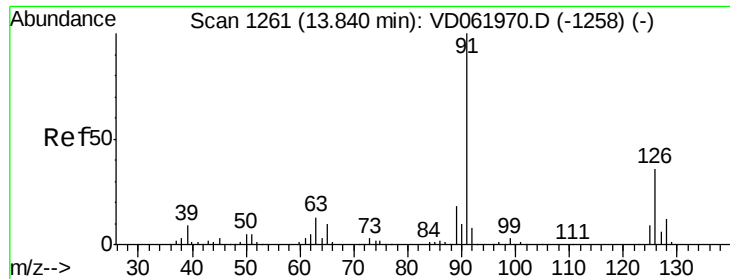
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 78.875 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

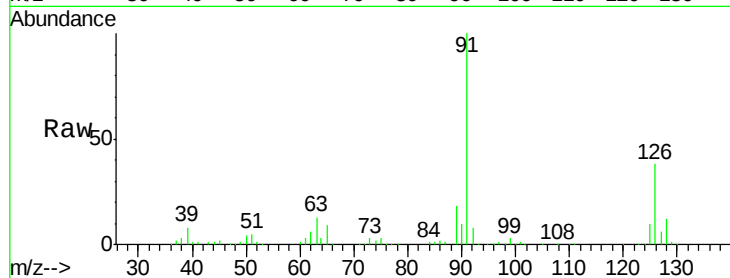
VSTDIC075

Tot Ion: 91 Resp: 1258057

Ion Ratio Lower Upper

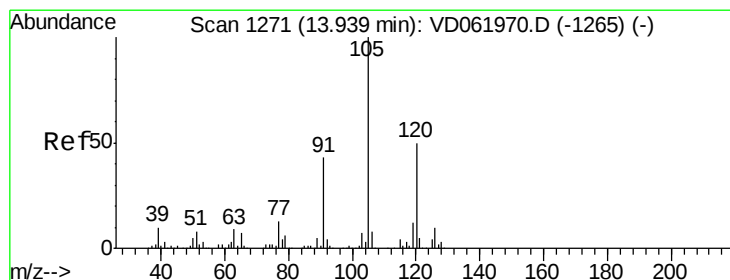
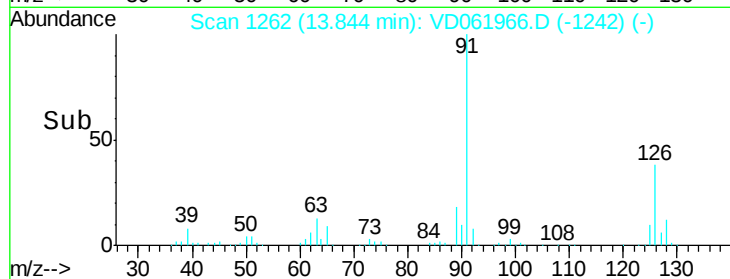
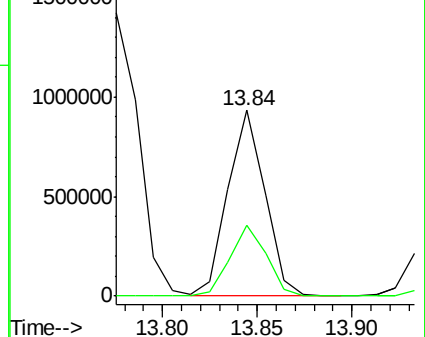
91 100

126 38.2 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 75.257 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061966.D

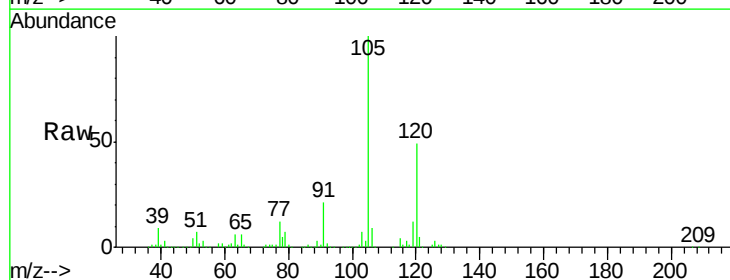
Acq: 23 Apr 2019 12:23

Tgt Ion:105 Resp: 1416310

Ion Ratio Lower Upper

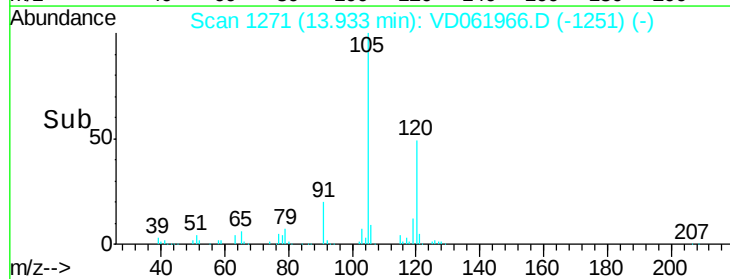
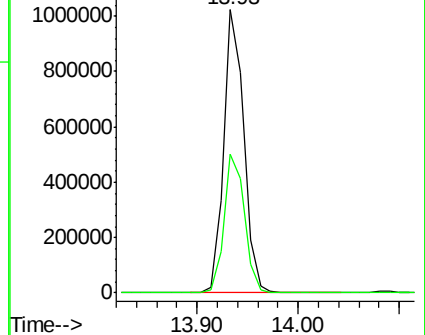
105 100

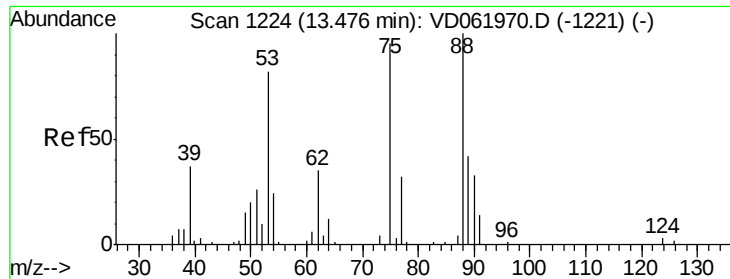
120 48.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 84.206 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

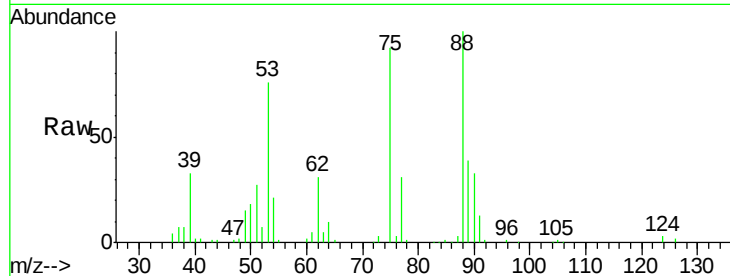
Tot Ion: 75 Resp: 116563

Ion Ratio Lower Upper

75 100

53 82.5 65.8 98.8

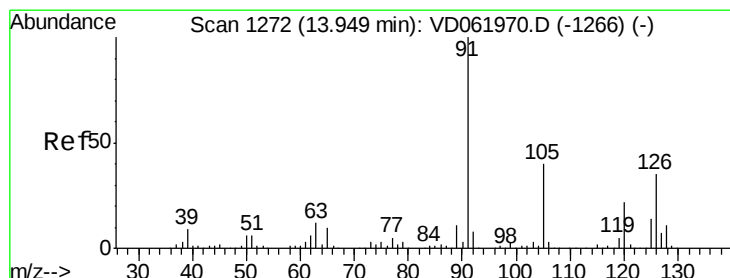
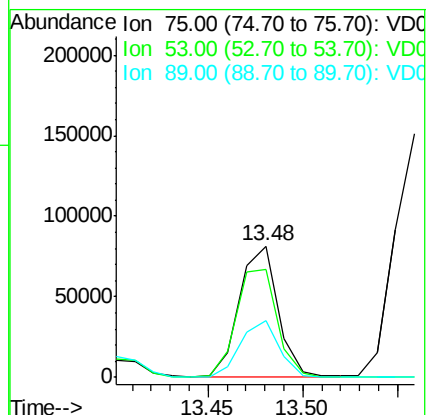
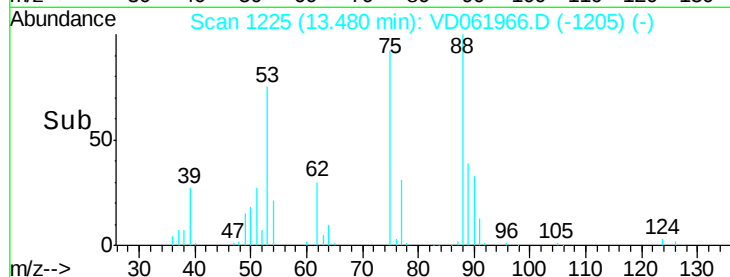
89 42.9 35.0 52.6



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: 73.867 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD061966.D

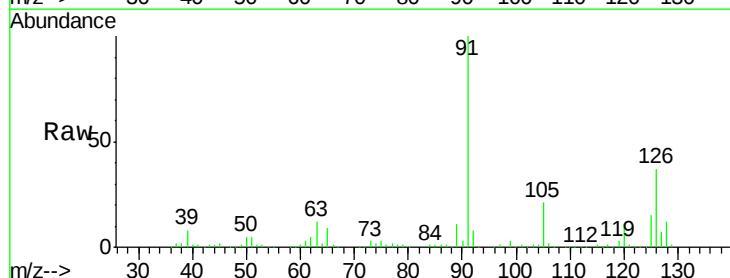
Acq: 23 Apr 2019 12:23

Tgt Ion: 91 Resp: 1327501

Ion Ratio Lower Upper

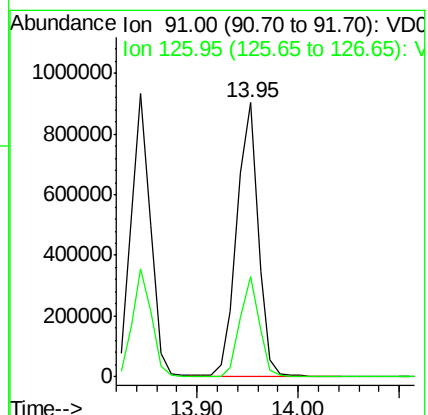
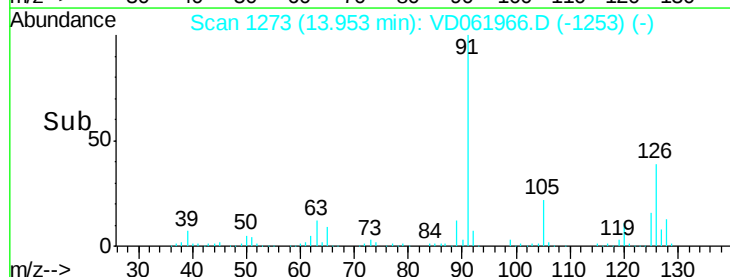
91 100

126 36.7 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 77.243 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

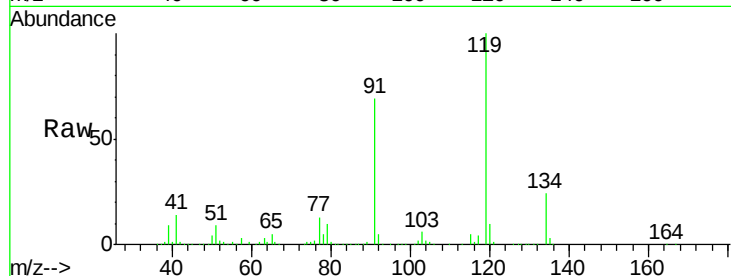
Tot Ion:119 Resp: 1650154

Ion Ratio Lower Upper

119 100

91 69.2 34.2 102.6

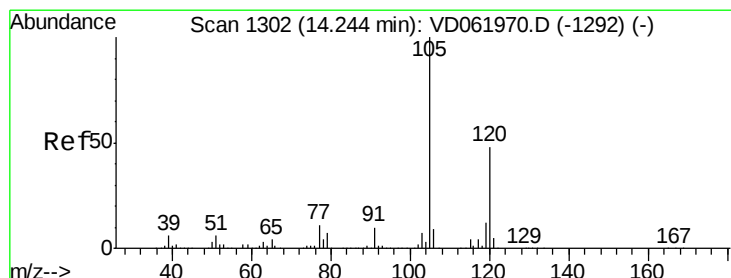
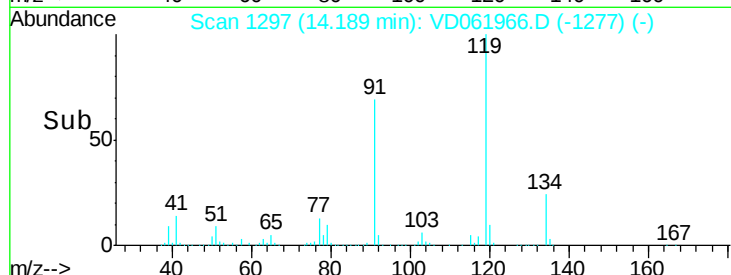
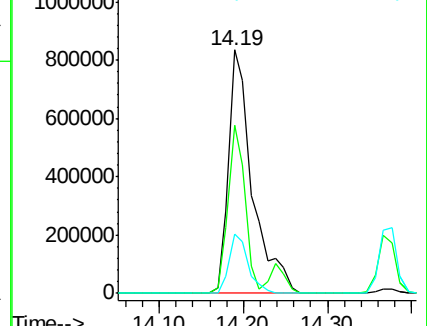
134 24.2 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 72.357 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061966.D

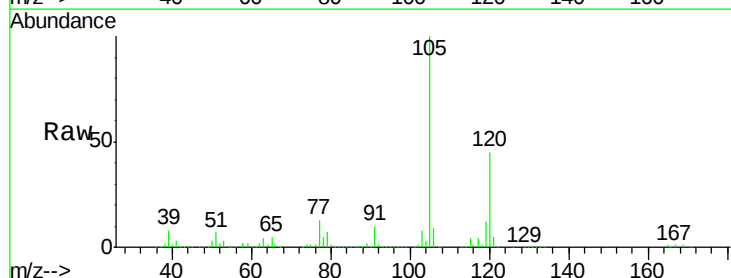
Acq: 23 Apr 2019 12:23

Tgt Ion:105 Resp: 1335467

Ion Ratio Lower Upper

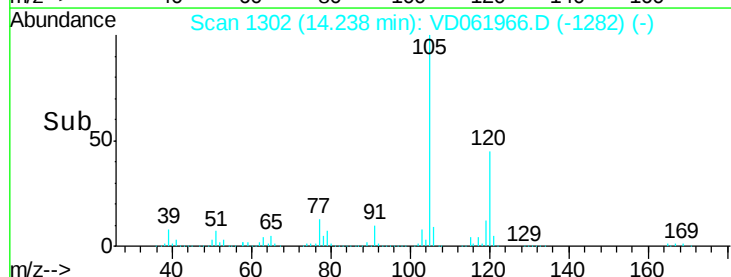
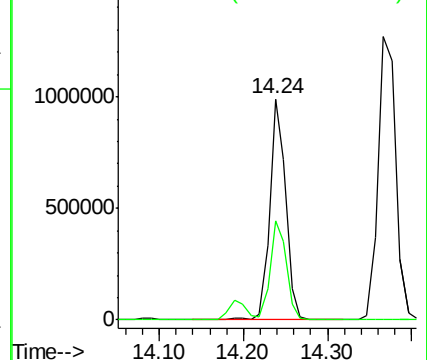
105 100

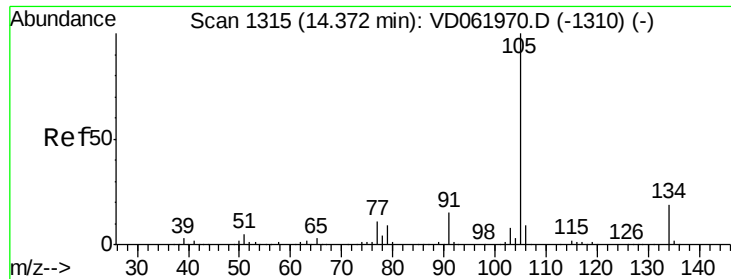
120 44.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

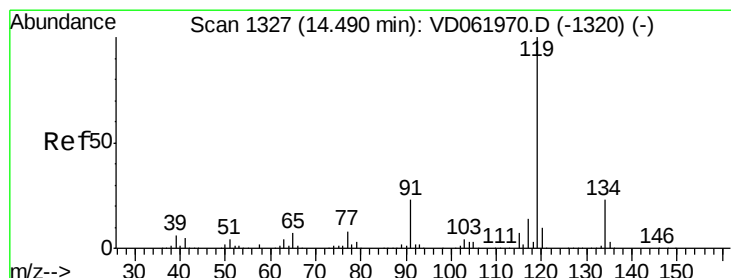
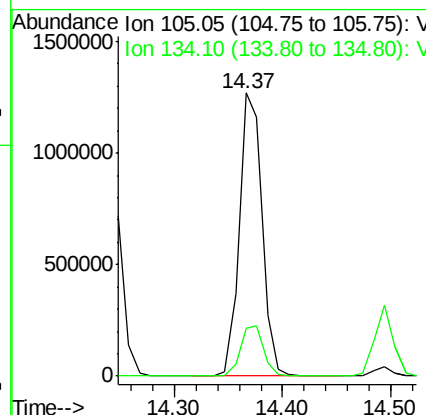
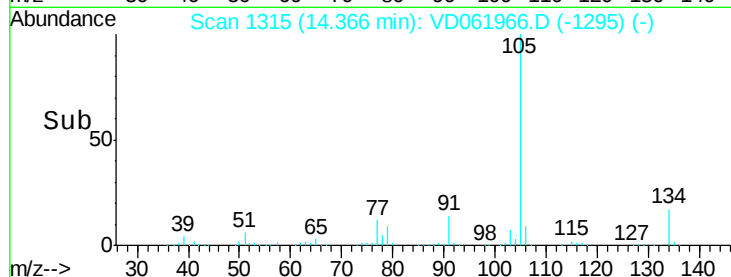
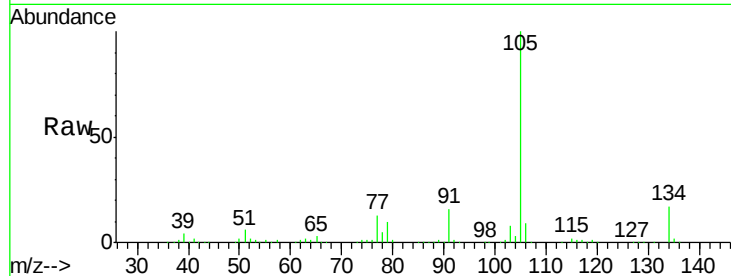




#85
 sec-Butylbenzene
 Concen: 80.582 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

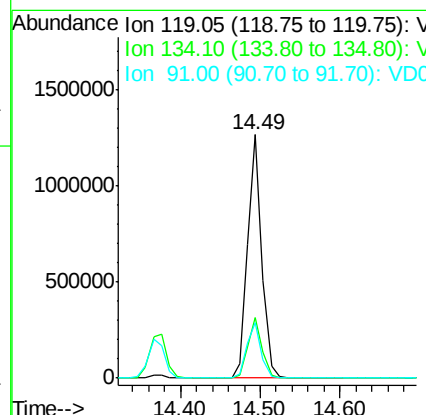
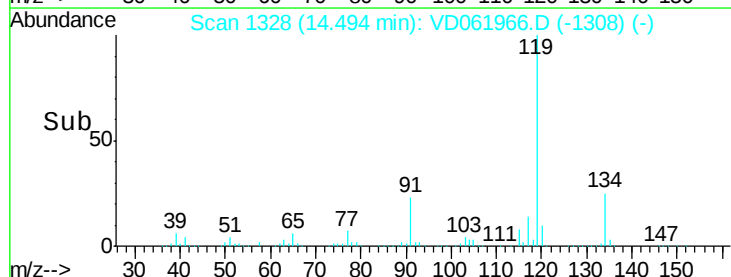
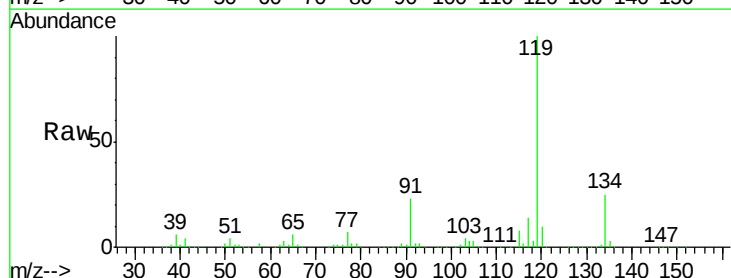
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

Tot Ion:105 Resp: 1852905
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 73.595 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Tgt Ion:119 Resp: 1549342
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 22.7 10.7 32.1

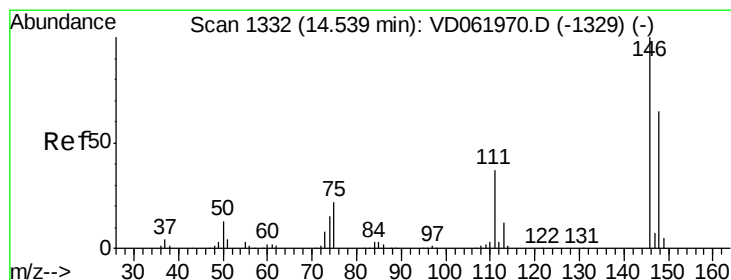
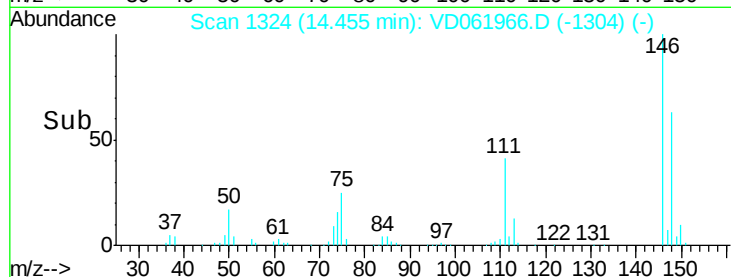
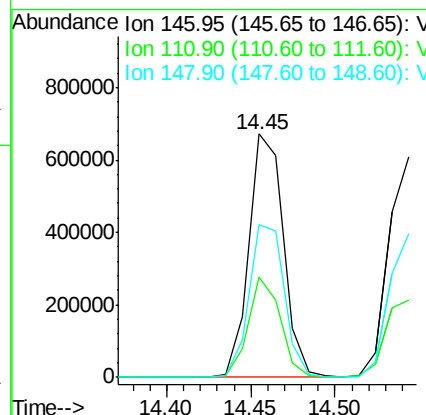
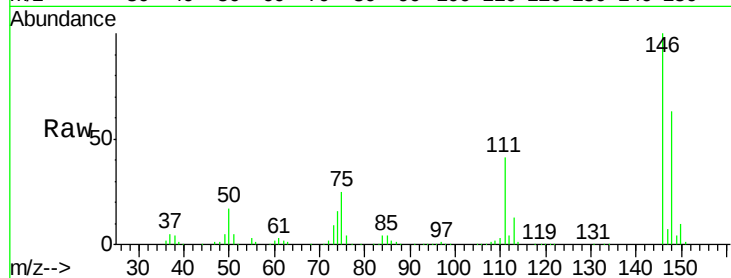




#87
 1,3-Dichlorobenzene
 Concen: 79.653 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

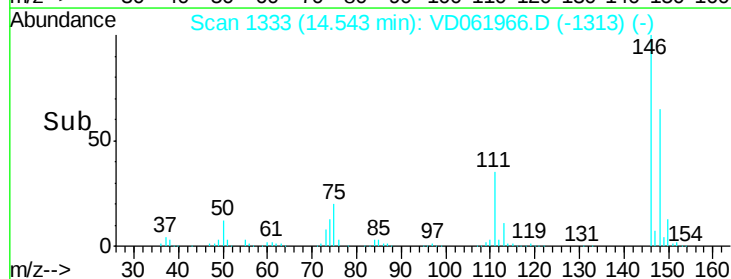
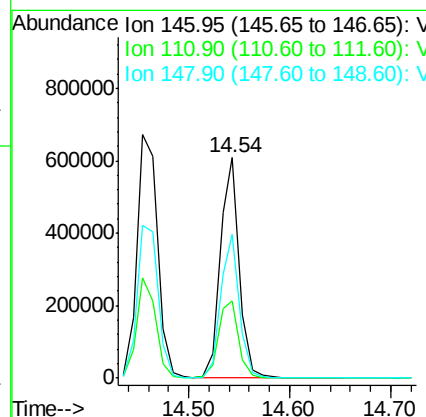
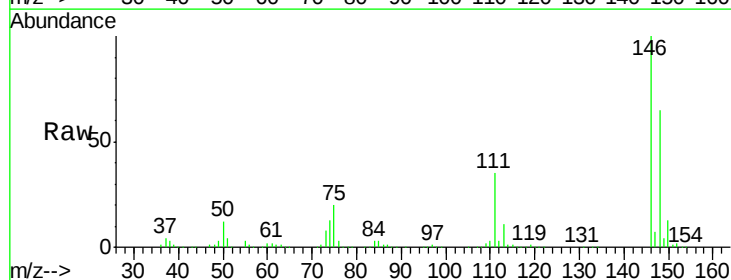
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

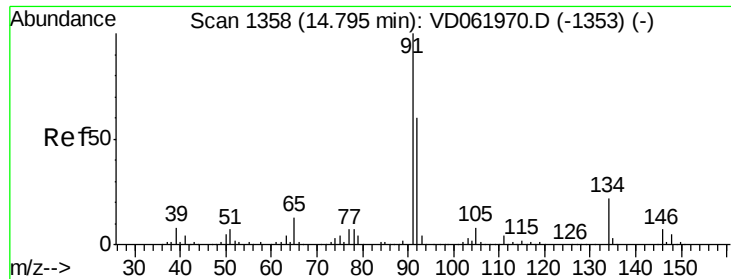
Tot Ion:146 Resp: 953517
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 60.0
 148 62.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 70.493 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Tgt Ion:146 Resp: 795632
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.2 60.5
 148 65.0 32.0 96.2





#89

n-Butylbenzene

Concen: 76.360 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD061966.D

Acq: 23 Apr 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

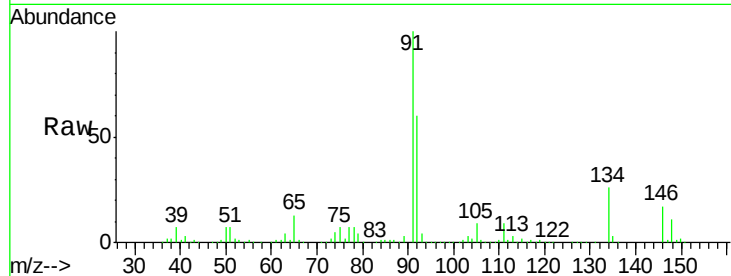
Tot Ion: 91 Resp: 1462787

Ion Ratio Lower Upper

91 100

92 59.9 30.3 91.0

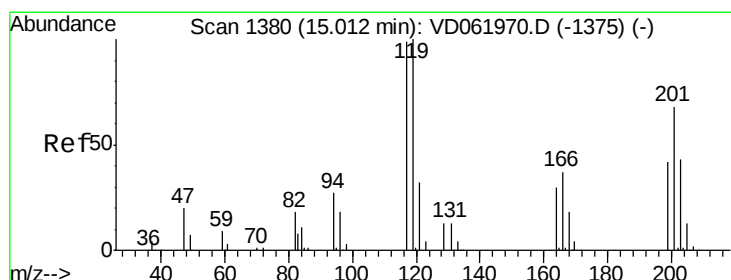
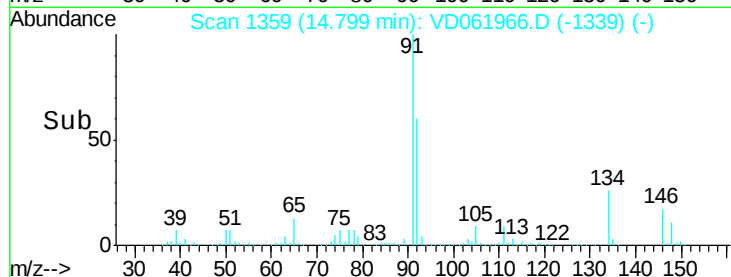
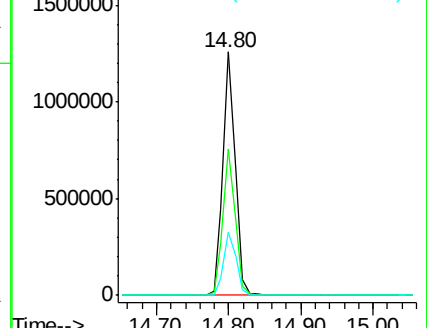
134 25.8 14.5 43.6



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: 76.502 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061966.D

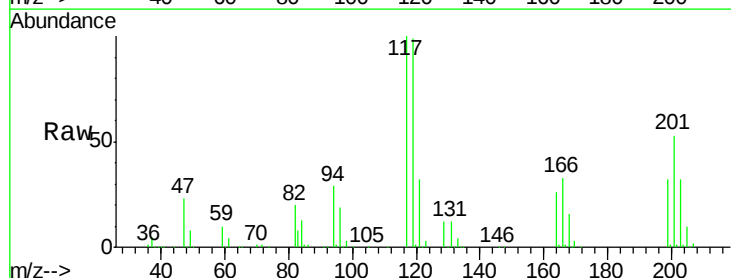
Acq: 23 Apr 2019 12:23

Tgt Ion: 117 Resp: 449795

Ion Ratio Lower Upper

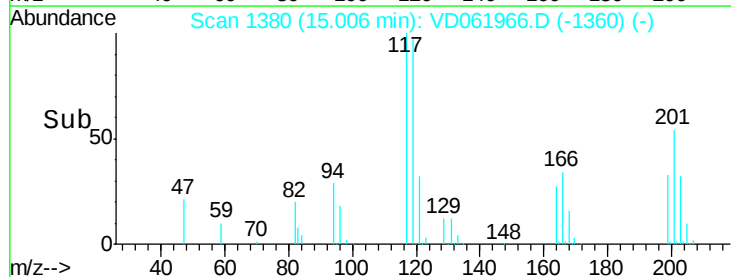
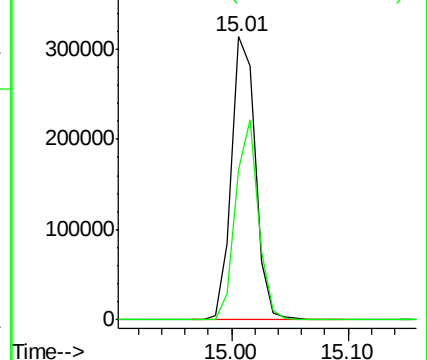
117 100

201 53.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

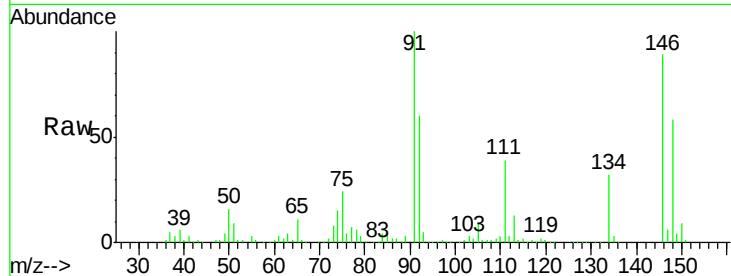




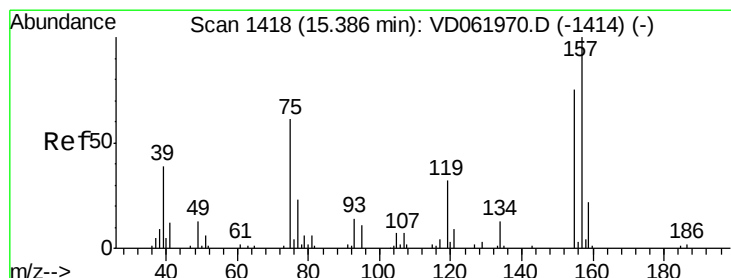
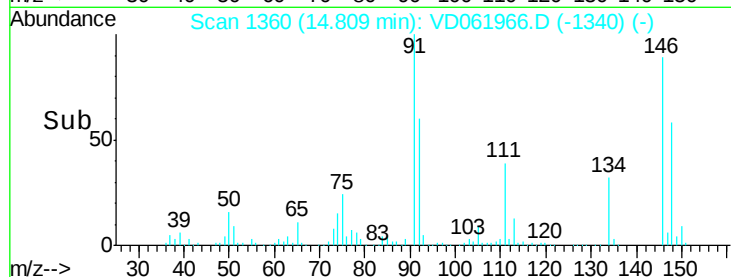
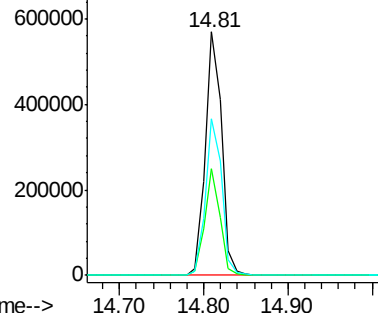
#91
 1,2-Dichlorobenzene
 Concen: 74.269 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 762291
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.0 59.9
 148 64.5 32.3 96.8

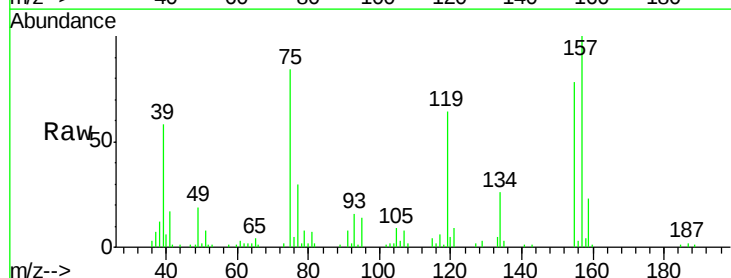


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

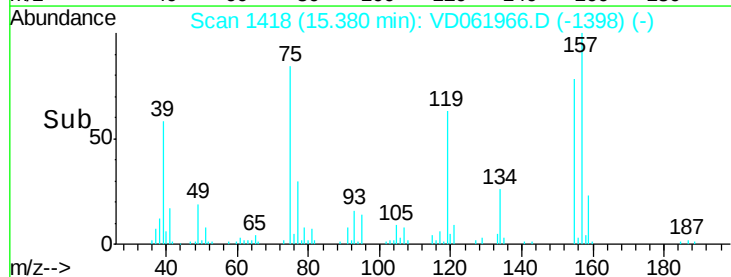
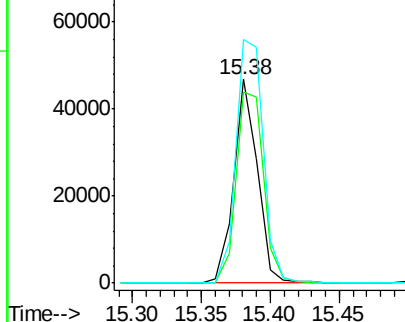


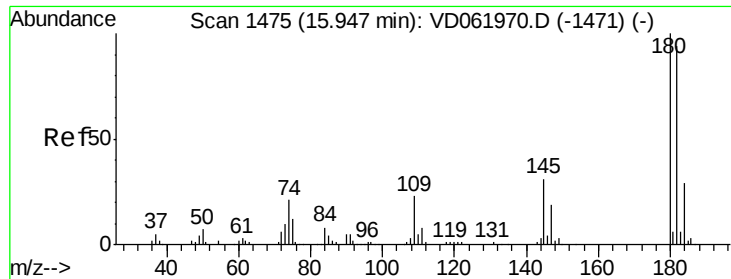
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.285 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Tgt Ion: 75 Resp: 55729
 Ion Ratio Lower Upper
 75 100
 155 93.8 55.3 165.8
 157 119.7 67.8 203.2



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

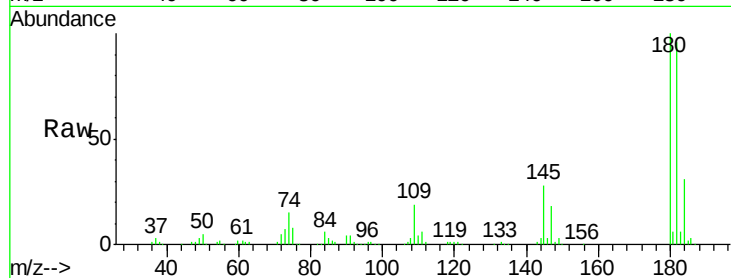




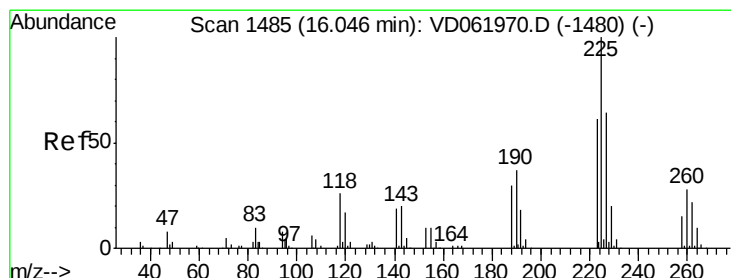
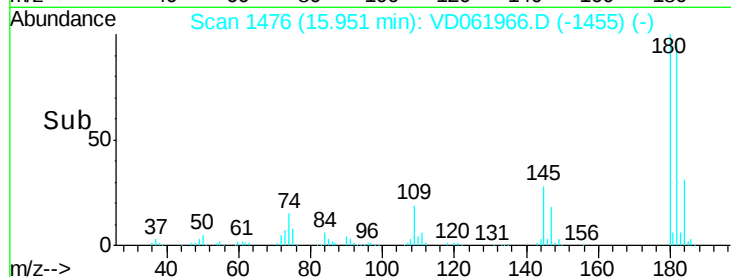
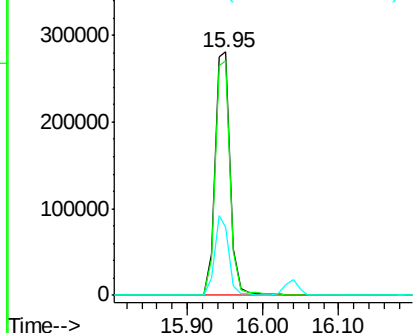
#93
 1,2,4-Trichlorobenzene
 Concen: 78.515 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 404091
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.3 147.8
 145 27.9 16.2 48.6

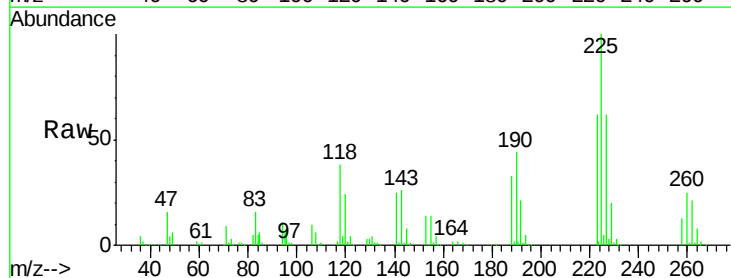


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

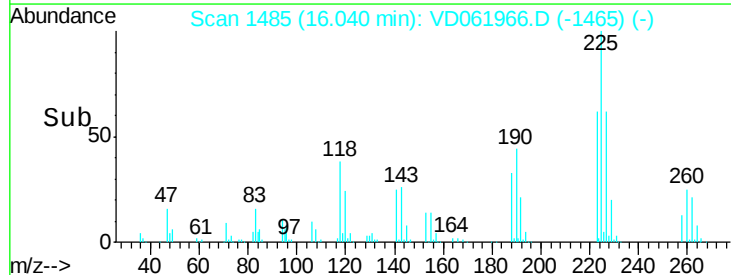
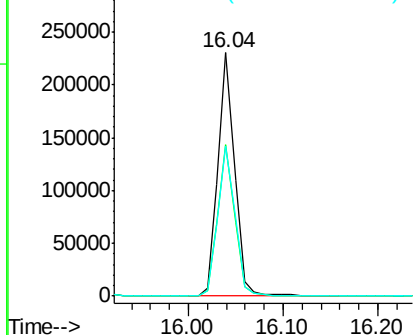


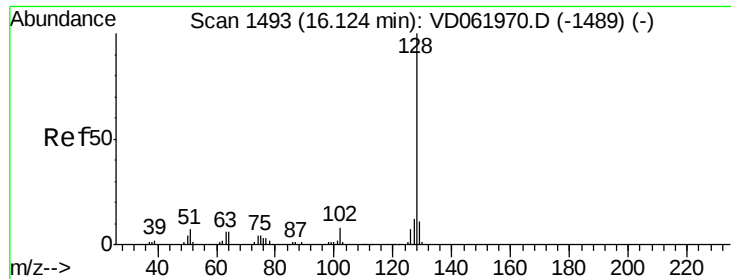
#94
 Hexachlorobutadiene
 Concen: 75.821 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD061966.D
 Acq: 23 Apr 2019 12:23

Tgt Ion:225 Resp: 284069
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.6 92.0
 227 61.9 32.0 96.2



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

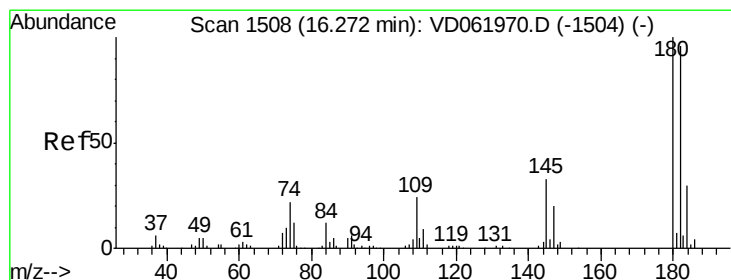
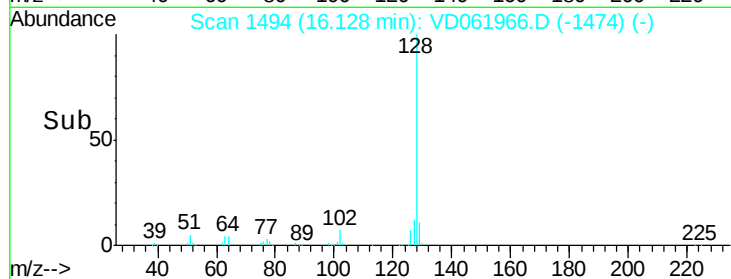
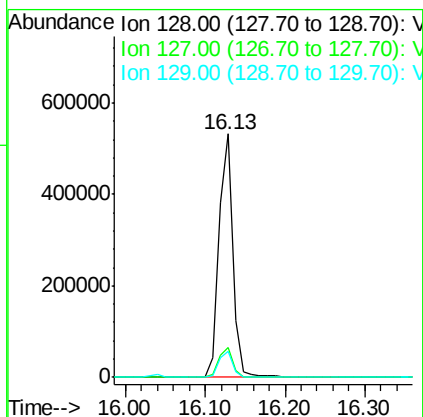
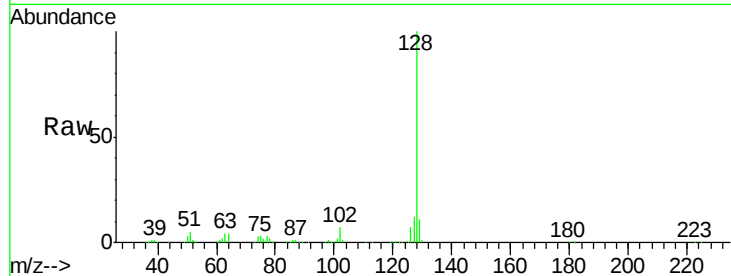




#95
Naphthalene
Concen: 79.940 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 660606
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 84.444 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061966.D
Acq: 23 Apr 2019 12:23

Tgt Ion:180 Resp: 241760
Ion Ratio Lower Upper
180 100
182 98.5 47.0 141.0
145 30.1 17.0 51.0

