

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030719\
 Data File : VD060973.D
 Acq On : 7 Mar 2019 17:26
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Quant Time: Mar 08 01:16:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	807181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1370769	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1081868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	437897	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	608662	91.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.56%	
35) Dibromofluoromethane	6.92	113	991059	90.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.46%	
50) Toluene-d8	10.41	98	2300752	83.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.48%	
62) 4-Bromofluorobenzene	13.56	95	860010	83.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	714032	80.703	ug/l	99
3) Chloromethane	1.76	50	598268	81.740	ug/l	97
4) Vinyl Chloride	1.85	62	605276	90.996	ug/l	97
5) Bromomethane	2.15	94	88116	76.027	ug/l	91
6) Chloroethane	2.26	64	138287	83.453	ug/l	92
7) Trichlorofluoromethane	2.52	101	714861	86.984	ug/l	99
8) Diethyl Ether	2.88	74	276336	79.438	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	889835	83.602	ug/l	97
10) Methyl Iodide	3.31	142	1400670	111.158	ug/l	99
11) Tert butyl alcohol	4.06	59	212938	434.799	ug/l	96
12) 1,1-Dichloroethene	3.12	96	737494	81.702	ug/l	98
13) Acrolein	3.04	56	309858	461.882	ug/l	98
14) Allyl chloride	3.62	41	1186542	79.457	ug/l	98
15) Acrylonitrile	4.20	53	703880	381.067	ug/l	98
16) Acetone	3.22	43	880118	403.913	ug/l	98
17) Carbon Disulfide	3.38	76	2566160	80.042	ug/l	100
18) Methyl Acetate	3.64	43	353229	78.914	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	1300456	80.994	ug/l	98
20) Methylene Chloride	3.81	84	818330	67.320	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	808213	81.464	ug/l	97
22) Diisopropyl ether	5.12	45	2313937	73.573	ug/l	97
23) Vinyl Acetate	5.05	43	6195562	375.917	ug/l	99
24) 1,1-Dichloroethane	4.98	63	1394740	82.470	ug/l	98
25) 2-Butanone	6.07	43	956798	357.092	ug/l	98
26) 2,2-Dichloropropane	6.02	77	1030783	82.017	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	868087	77.677	ug/l	93
28) Bromochloromethane	6.43	49	578559	82.325	ug/l	99
29) Tetrahydrofuran	6.45	42	526525	375.697	ug/l	97
30) Chloroform	6.66	83	1465794	89.572	ug/l	99
31) Cyclohexane	6.95	56	1142902	79.637	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	1186465	84.293	ug/l	99
36) 1,1-Dichloropropene	7.14	75	998923	79.474	ug/l	100
37) Ethyl Acetate	6.18	43	494251	76.965	ug/l	99
38) Carbon Tetrachloride	7.11	117	1147432	84.229	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	1111156	81.115	ug/l	97
40) Benzene	7.46	78	2676392	82.521	ug/l	99
41) Methacrylonitrile	6.44	41	570494	123.938	ug/l	97
42) 1,2-Dichloroethane	7.57	62	768171	83.672	ug/l	99
43) Isopropyl Acetate	9.24	43	712274	79.705	ug/l	98
44) Trichloroethene	8.54	130	983051	89.329	ug/l	97
45) 1,2-Dichloropropane	8.93	63	720298	84.518	ug/l	100
46) Dibromomethane	9.06	93	471884	86.546	ug/l	99
47) Bromodichloromethane	9.38	83	1062352	87.788	ug/l	100
48) Methyl methacrylate	9.12	41	383807	75.966	ug/l	98
49) 1,4-Dioxane	9.08	88	86434	1666.871	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	1966512	360.404	ug/l	96
52) Toluene	10.51	92	1531267	74.185	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	941897	85.667	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	1169730	86.738	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	571186	83.692	ug/l	97
56) Ethyl methacrylate	11.04	69	625787	87.352	ug/l	99
57) 1,3-Dichloropropane	11.40	76	876848	88.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	1446174	377.026	ug/l	100
59) 2-Hexanone	11.53	43	1429538	373.361	ug/l	98
60) Dibromochloromethane	11.68	129	848681	86.071	ug/l	99
61) 1,2-Dibromoethane	11.81	107	666089	83.059	ug/l	100
64) Tetrachloroethene	11.26	164	685827	83.848	ug/l	99
65) Chlorobenzene	12.40	112	2048358	86.454	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	693853	80.956	ug/l	98
67) Ethyl Benzene	12.53	91	2697941	77.829	ug/l	99
68) m/p-Xylenes	12.67	106	2244161	161.434	ug/l	98
69) o-Xylene	13.05	106	1016022	78.592	ug/l	96
70) Styrene	13.07	104	1763998	81.751	ug/l	98
71) Bromoform	13.23	173	478468	88.705	ug/l	99
73) Isopropylbenzene	13.40	105	2992394	89.411	ug/l	100
74) N-amyl acetate	13.26	43	853204	84.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	622436	89.621	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	611636	86.650	ug/l	98
77) Bromobenzene	13.67	156	857796	97.531	ug/l	90
78) n-propylbenzene	13.78	91	3349140	85.727	ug/l	95
79) 2-Chlorotoluene	13.84	91	1879747	85.963	ug/l	93
80) 1,3,5-Trimethylbenzene	14.24	105	2189674	84.677	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	194143	93.303	ug/l	97
82) 4-Chlorotoluene	13.95	91	1686429	68.671	ug/l	91
83) tert-Butylbenzene	14.19	119	2537336	88.142	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	2189674	84.677	ug/l	96
85) sec-Butylbenzene	14.37	105	2854545	84.975	ug/l	98
86) p-Isopropyltoluene	14.49	119	2295789	82.955	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1378661	92.223	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1291116	87.277	ug/l	97
89) n-Butylbenzene	14.80	91	1943398	75.031	ug/l	96
90) Hexachloroethane	15.01	117	752808	94.345	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	1030040	78.993	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	80057	98.125	ug/l	84

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Response via : Initial Calibration

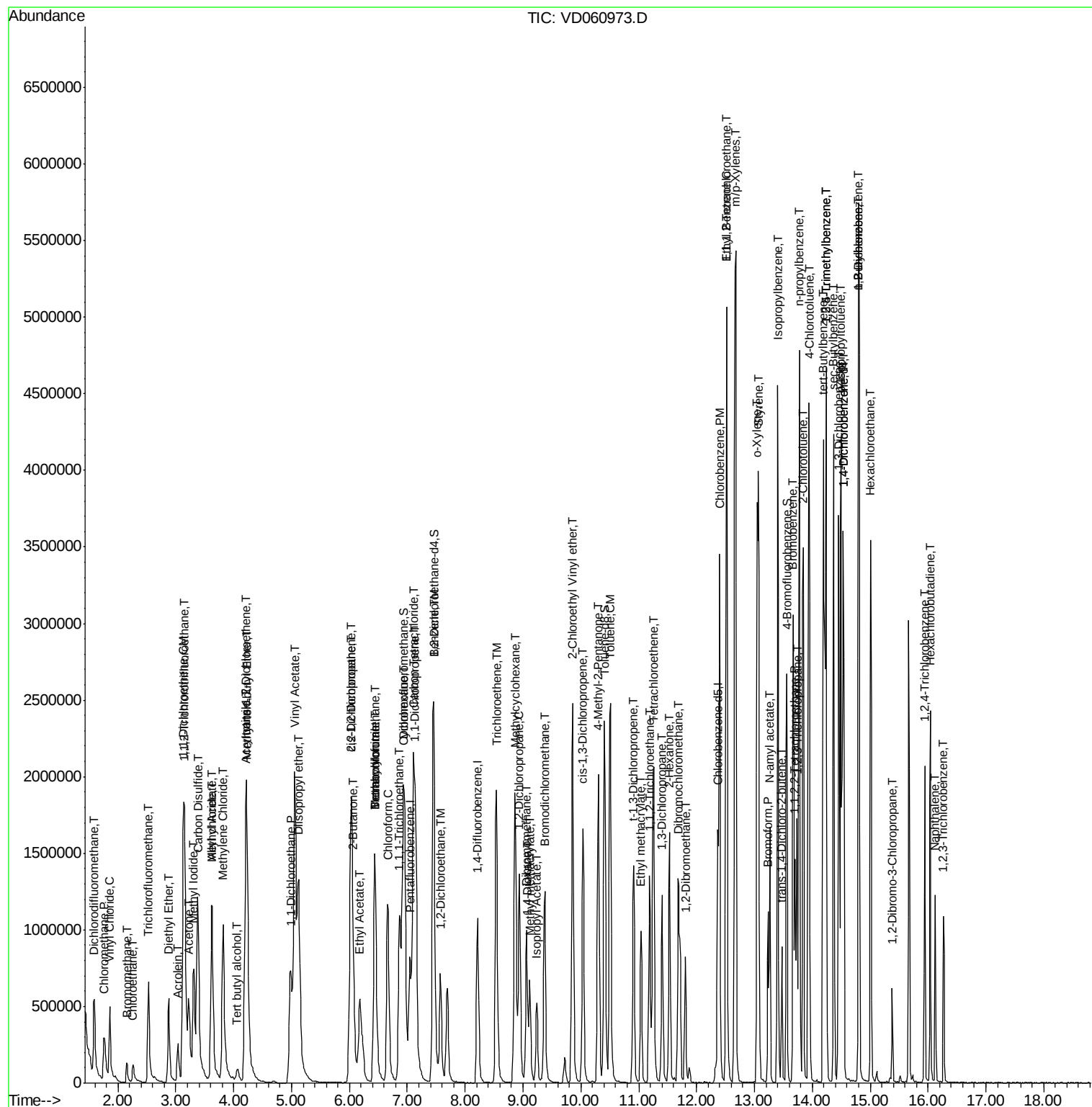
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	532438	72.399	ug/l	99
94) Hexachlorobutadiene	16.04	225	414159	88.100	ug/l	99
95) Naphthalene	16.13	128	873076	76.834	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	293897	73.671	ug/l	95

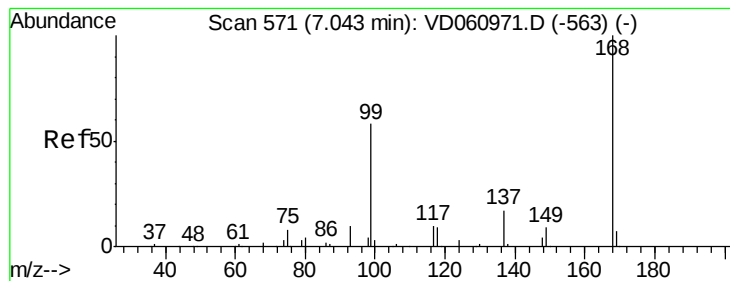
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

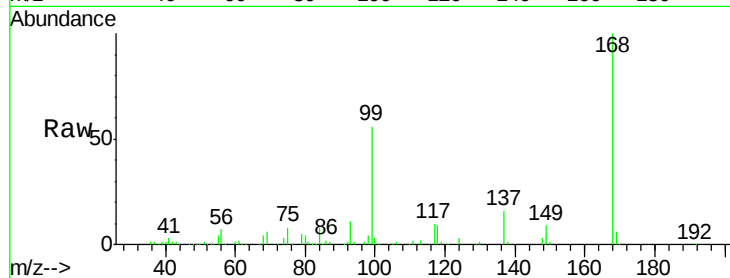
VSTDIC100

Tgt Ion:168 Resp: 807181

Ion Ratio Lower Upper

168 100

99 56.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

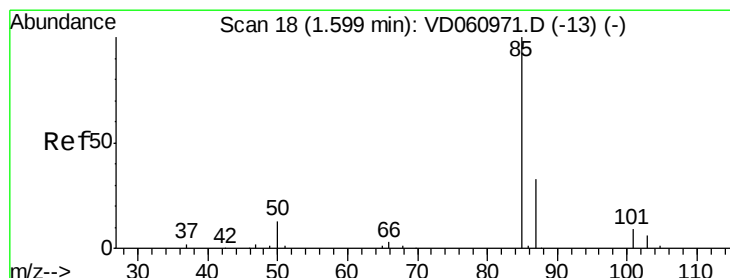
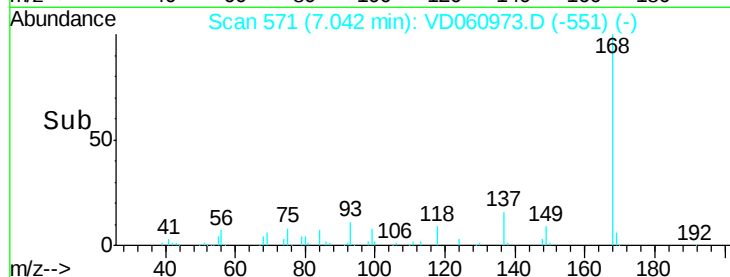
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 80.703 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060973.D

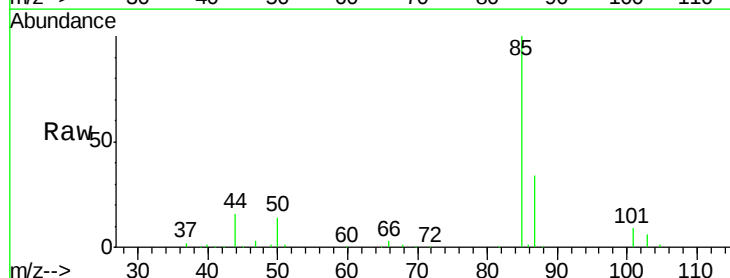
Acq: 7 Mar 2019 17:26

Tgt Ion: 85 Resp: 714032

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

300000

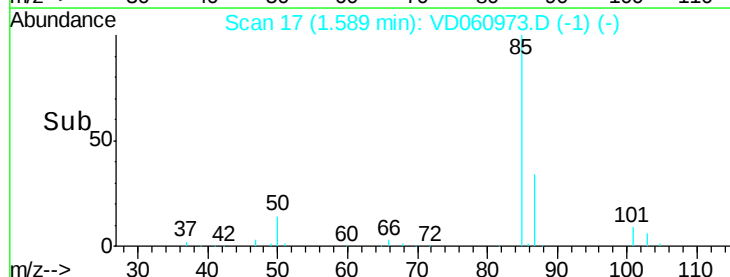
200000

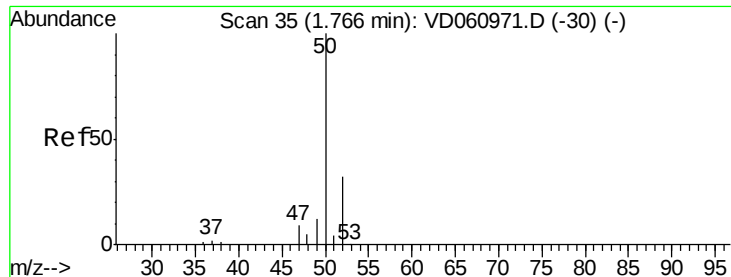
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 81.740 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

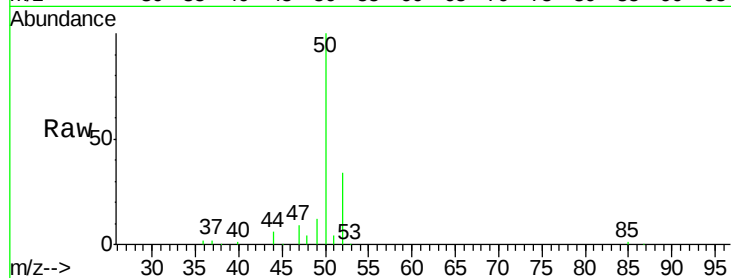
VSTDIC100

Tgt Ion: 50 Resp: 598268

Ion Ratio Lower Upper

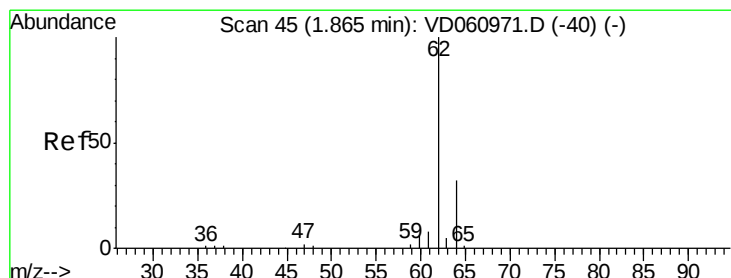
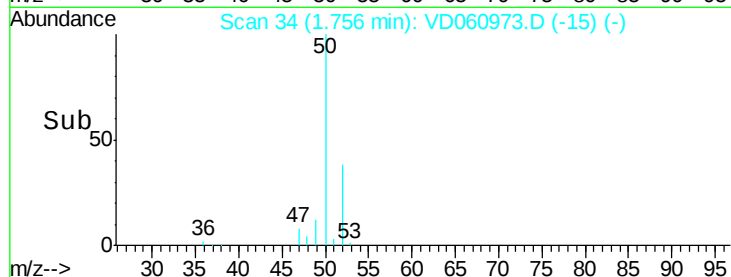
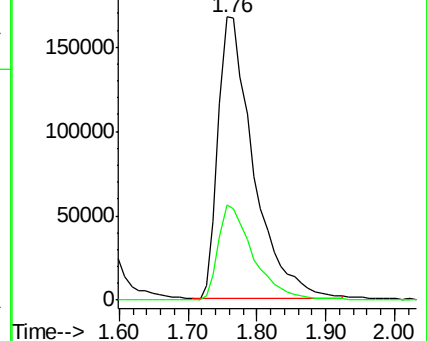
50 100

52 33.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 90.996 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060973.D

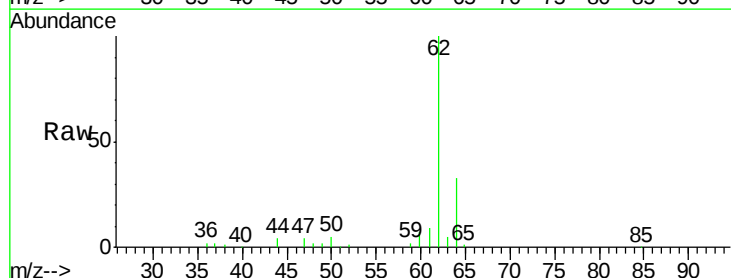
Acq: 7 Mar 2019 17:26

Tgt Ion: 62 Resp: 605276

Ion Ratio Lower Upper

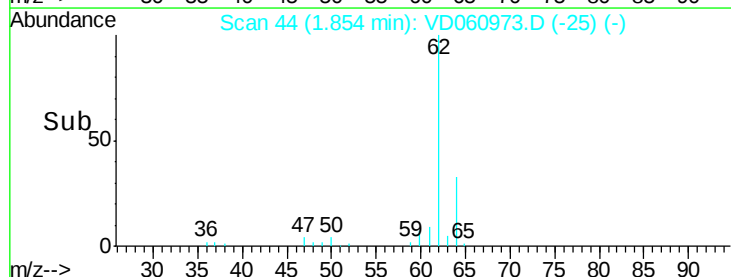
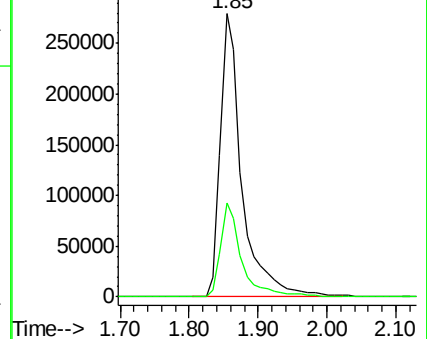
62 100

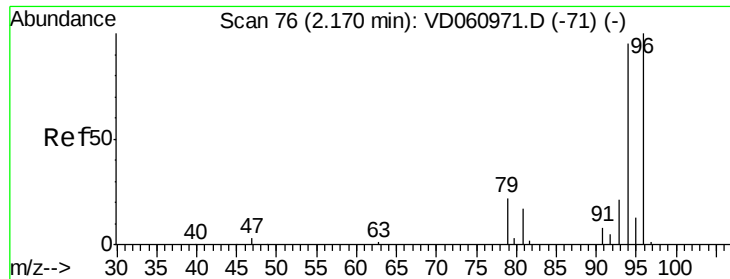
64 33.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 76.027 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

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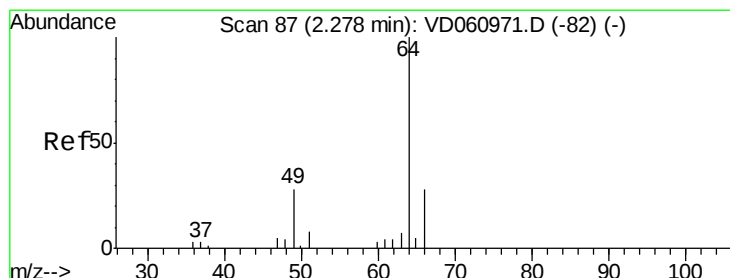
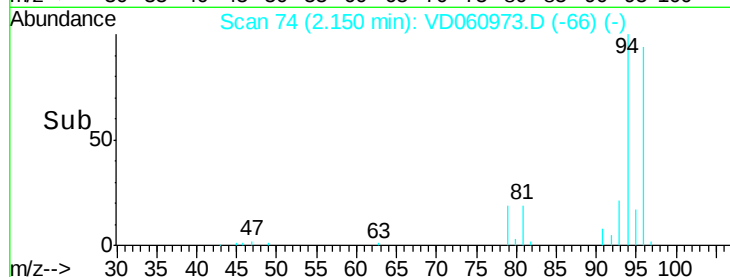
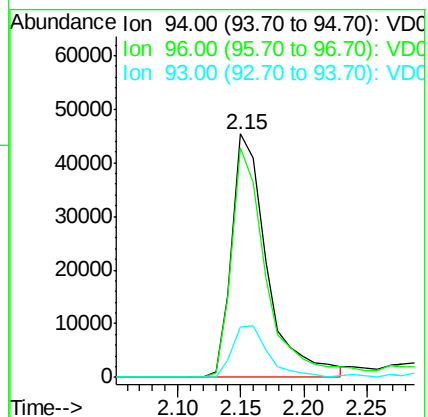
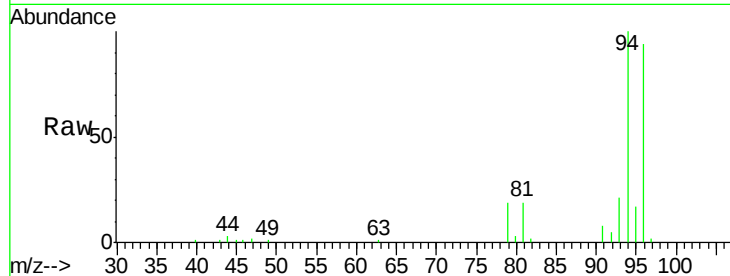
Tgt Ion: 94 Resp: 88116

Ion Ratio Lower Upper

94 100

96 94.2 84.0 126.0

93 20.9 17.3 25.9



#6

Chloroethane

Concen: 83.453 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD060973.D

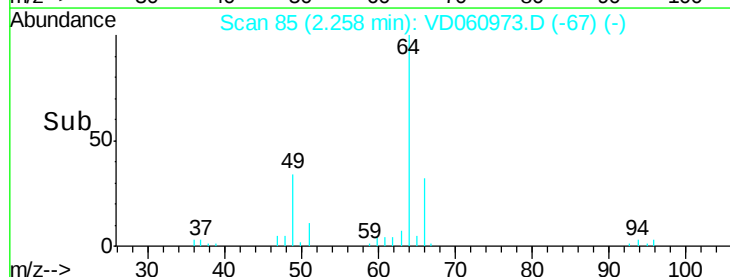
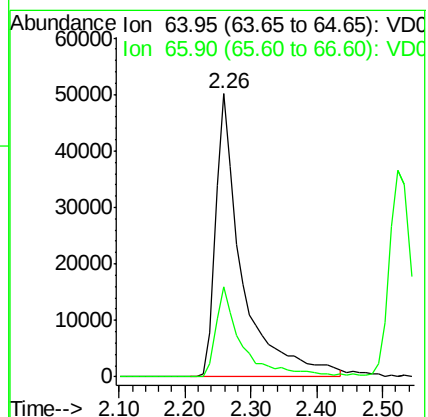
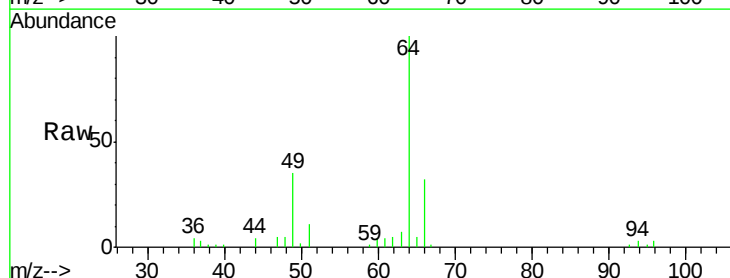
Acq: 7 Mar 2019 17:26

Tgt Ion: 64 Resp: 138287

Ion Ratio Lower Upper

64 100

66 31.8 22.2 33.2



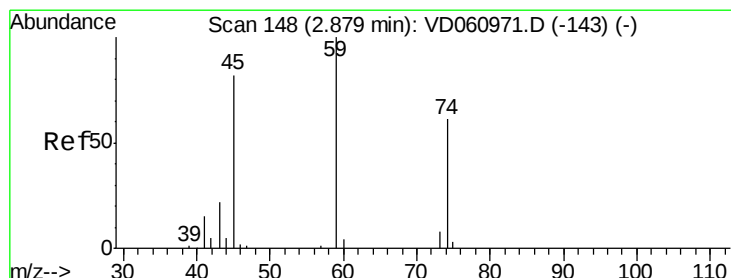
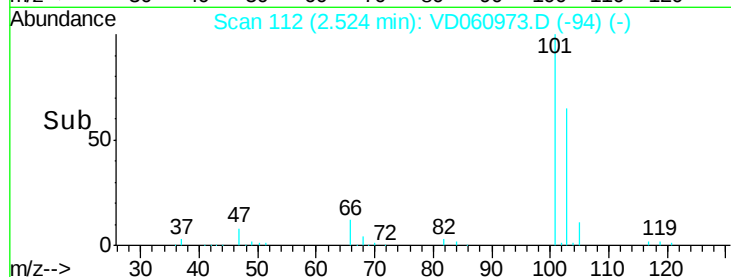
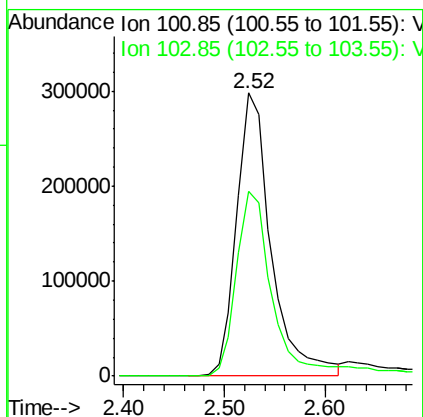
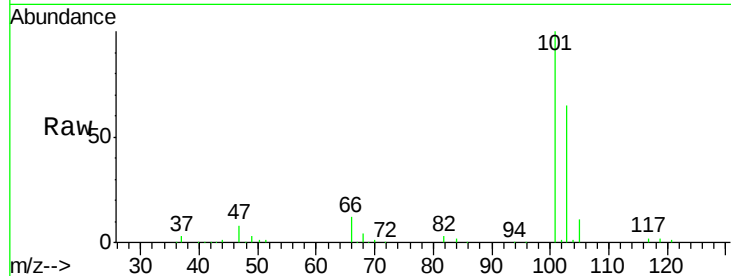


#7

Trichlorofluoromethane
 Concen: 86.984 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

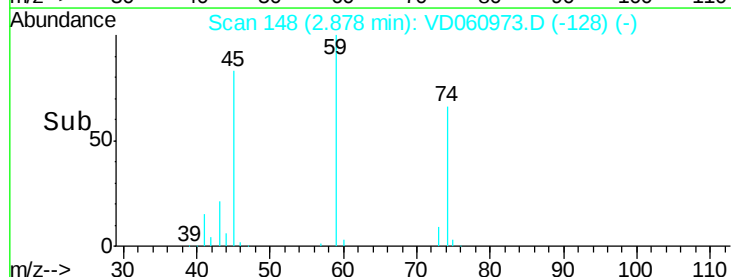
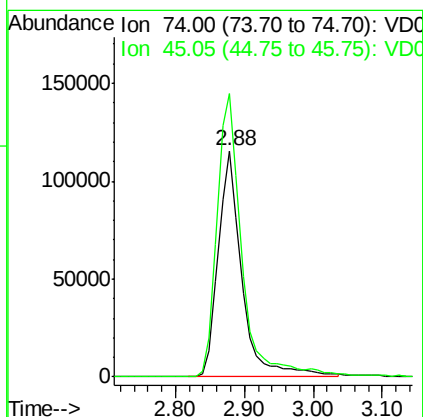
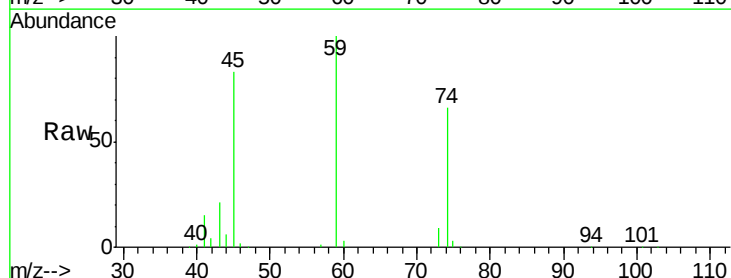
Tgt Ion:101 Resp: 714861
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8

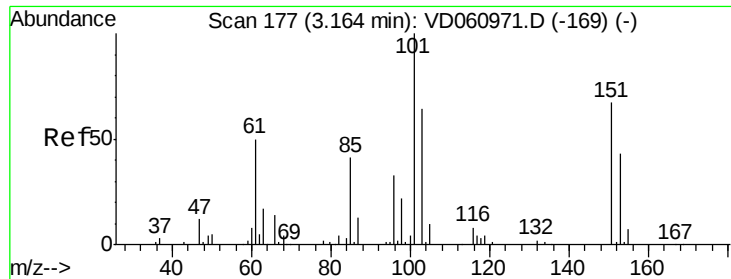


#8

Diethyl Ether
 Concen: 79.438 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 74 Resp: 276336
 Ion Ratio Lower Upper
 74 100
 45 125.2 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 83.602 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

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VSTDIC100

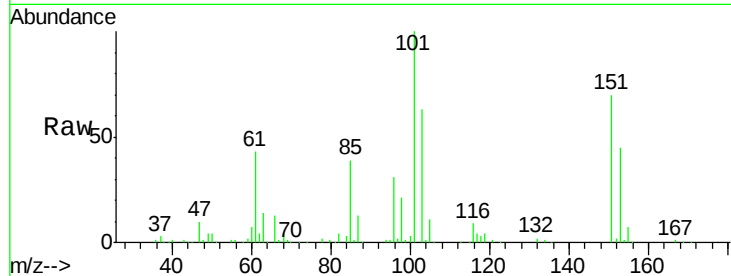
Tgt Ion:101 Resp: 889835

Ion Ratio Lower Upper

101 100

85 39.2 32.5 48.7

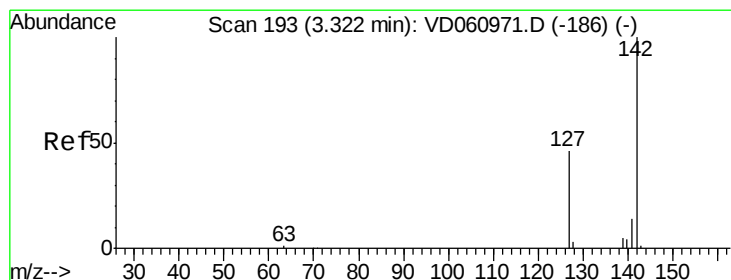
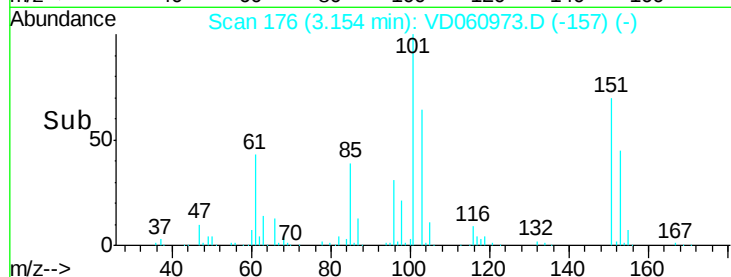
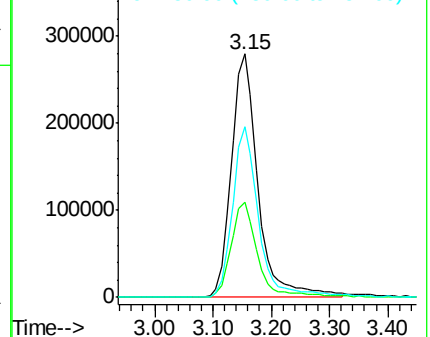
151 69.9 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 111.158 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

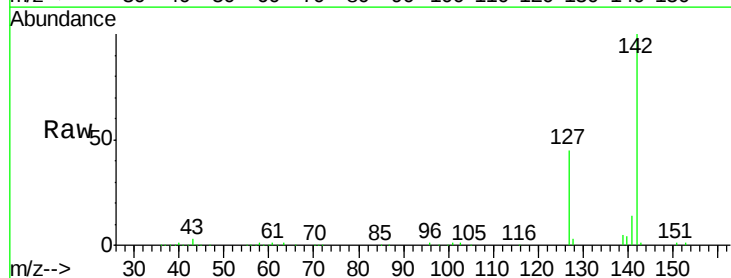
Tgt Ion:142 Resp: 1400670

Ion Ratio Lower Upper

142 100

127 45.5 36.8 55.2

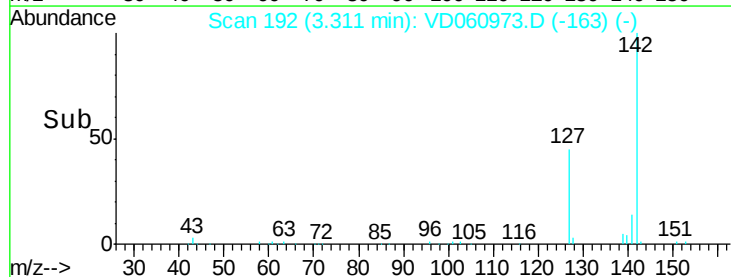
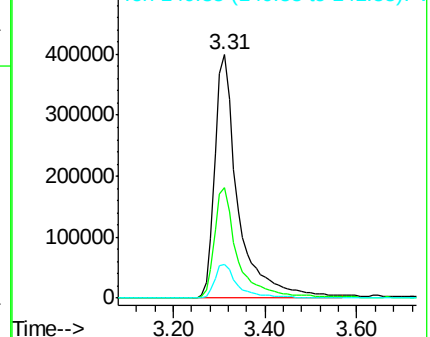
141 13.7 11.2 16.8

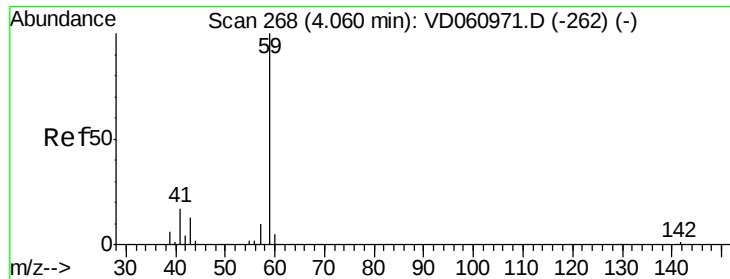


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

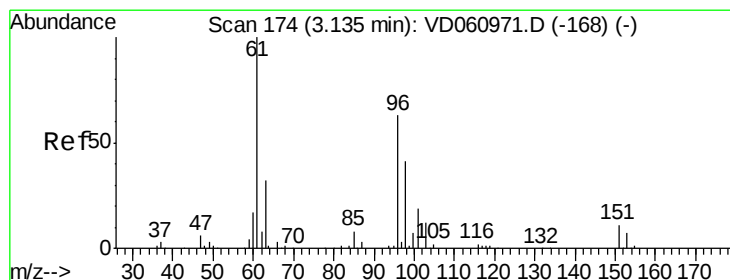
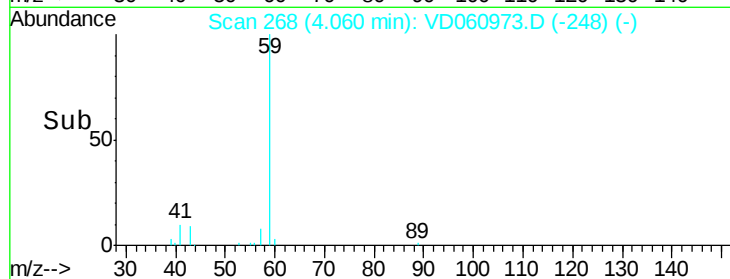
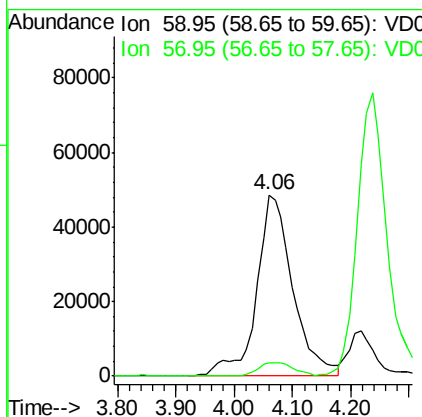
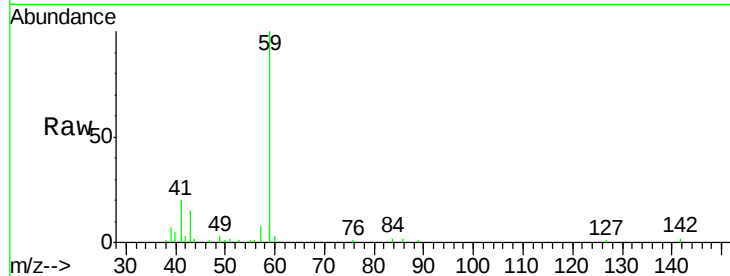




#11
Tert butyl alcohol
Concen: 434.799 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

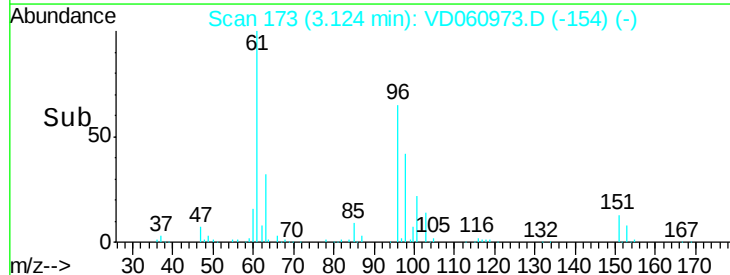
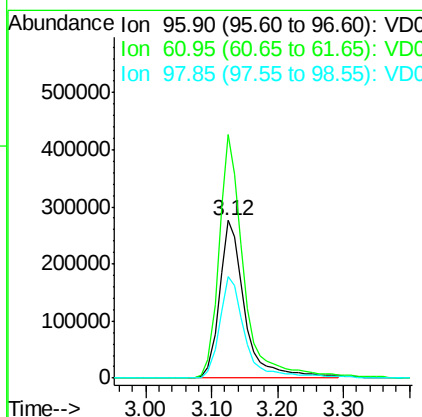
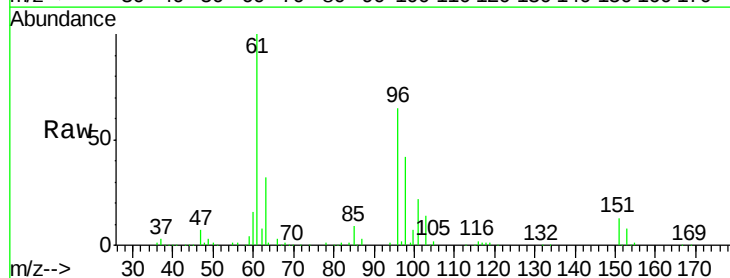
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

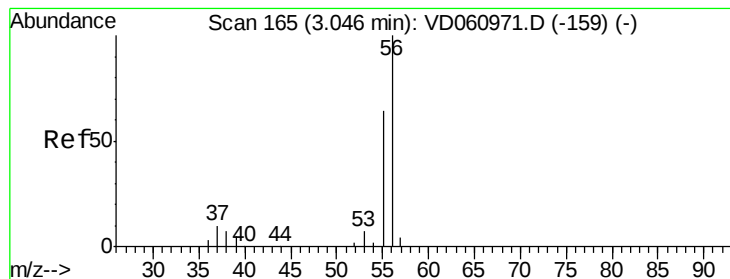
Tgt Ion: 59 Resp: 212938
Ion Ratio Lower Upper
59 100
57 7.5 7.1 10.7



#12
1,1-Dichloroethene
Concen: 81.702 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 96 Resp: 737494
Ion Ratio Lower Upper
96 100
61 154.7 127.1 190.7
98 64.5 51.5 77.3





#13

Acrolein

Concen: 461.882 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

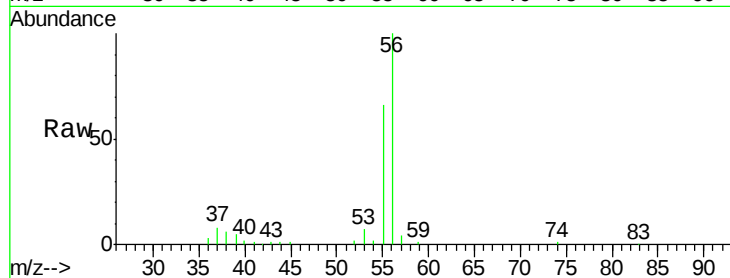
VSTDICC100

Tgt Ion: 56 Resp: 309858

Ion Ratio Lower Upper

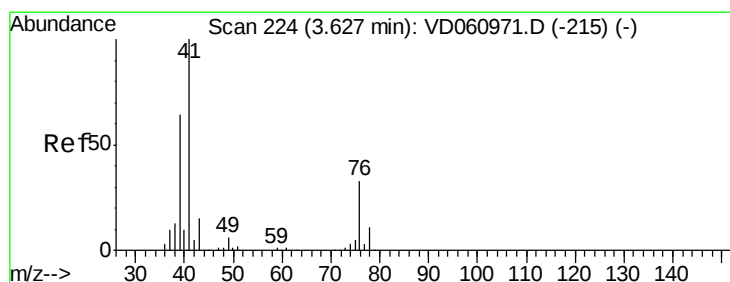
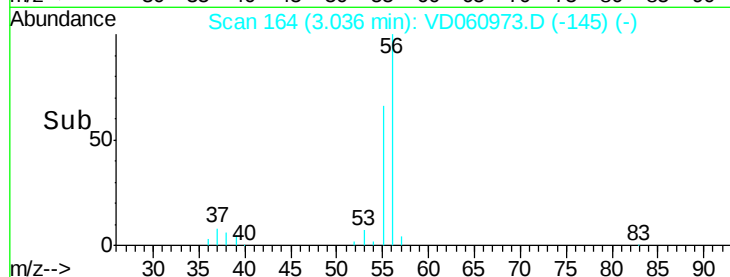
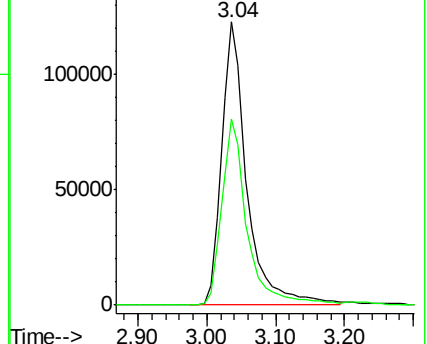
56 100

55 65.8 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 79.457 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

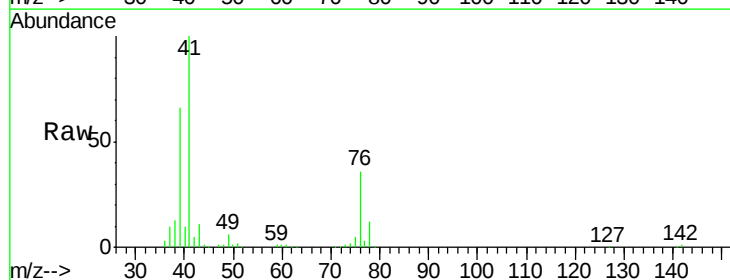
Tgt Ion: 41 Resp: 1186542

Ion Ratio Lower Upper

41 100

39 66.1 51.1 76.7

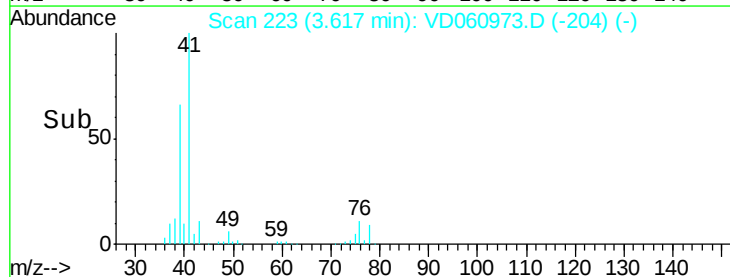
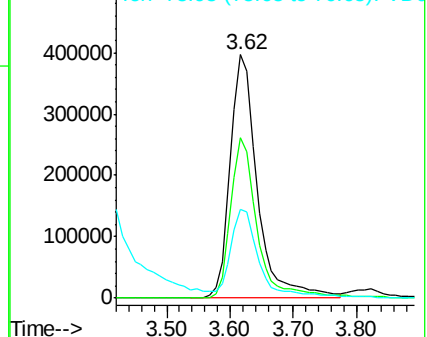
76 36.2 29.1 43.7

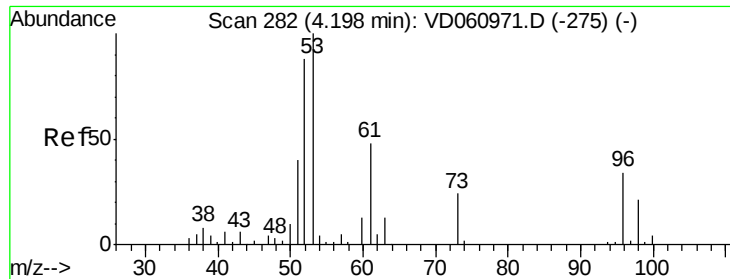


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 381.067 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

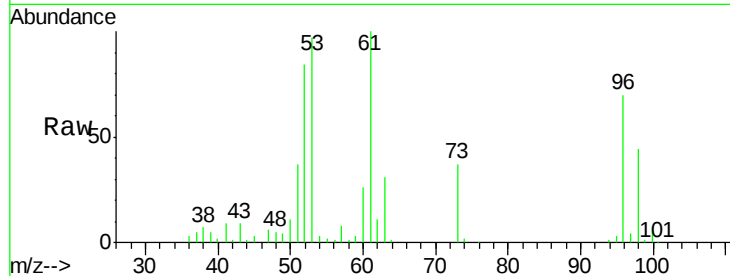
Tgt Ion: 53 Resp: 703880

Ion Ratio Lower Upper

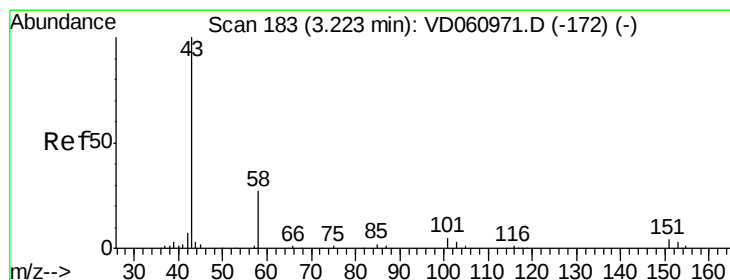
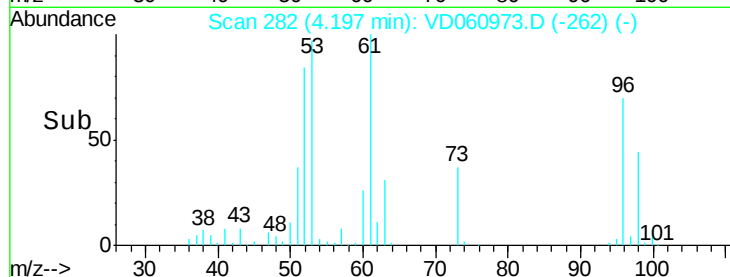
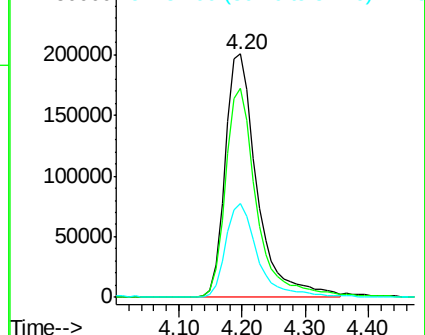
53 100

52 85.9 70.2 105.4

51 38.3 31.7 47.5



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



#16

Acetone

Concen: 403.913 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060973.D

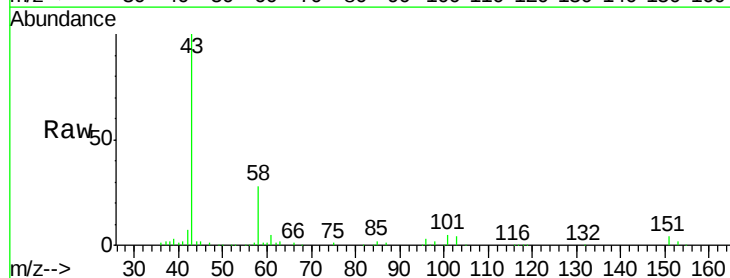
Acq: 7 Mar 2019 17:26

Tgt Ion: 43 Resp: 880118

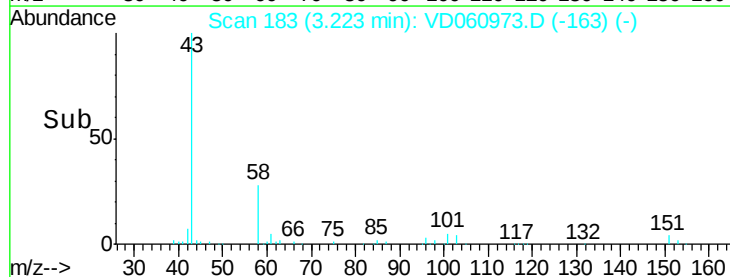
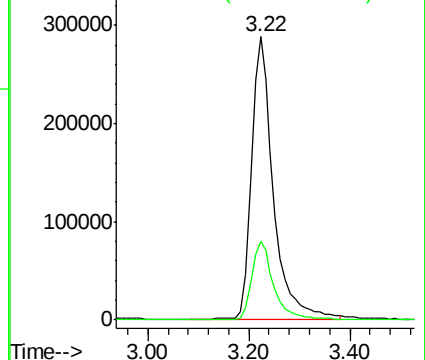
Ion Ratio Lower Upper

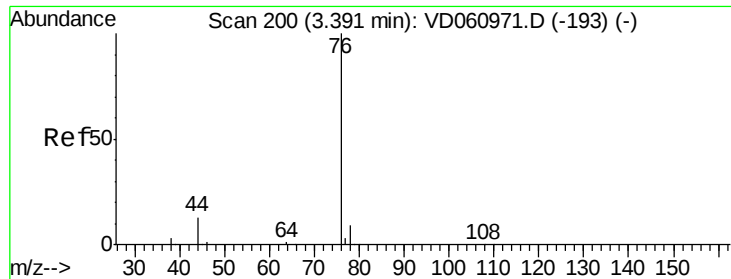
43 100

58 27.9 21.6 32.4



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

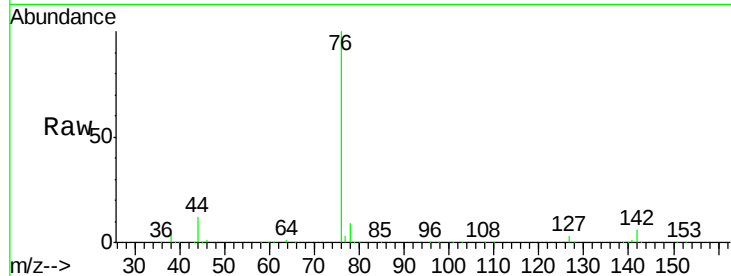




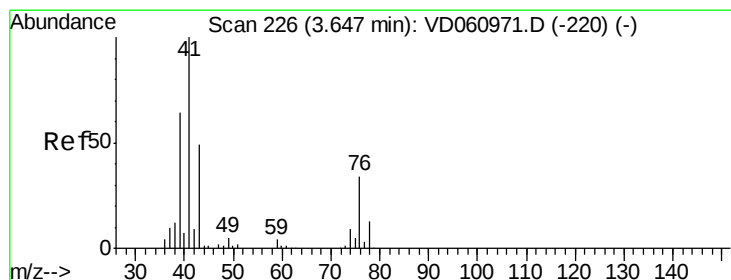
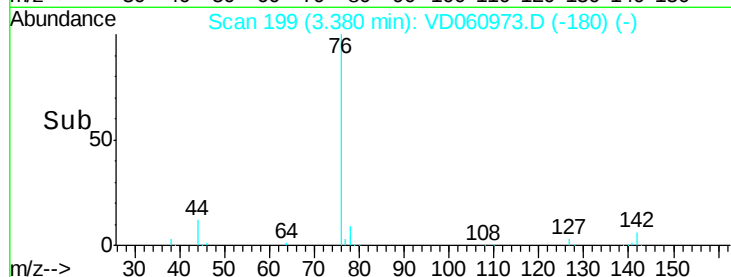
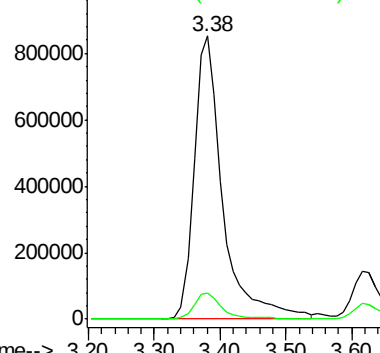
#17
Carbon Disulfide
Concen: 80.042 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 76 Resp: 2566160
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

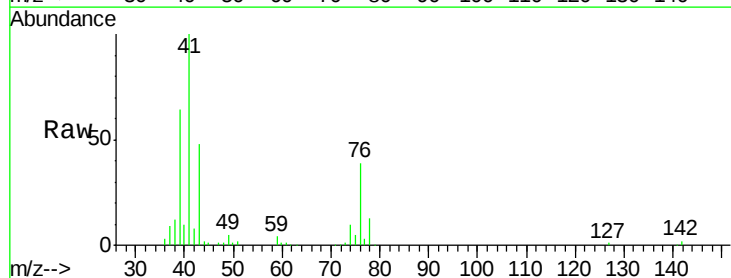


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

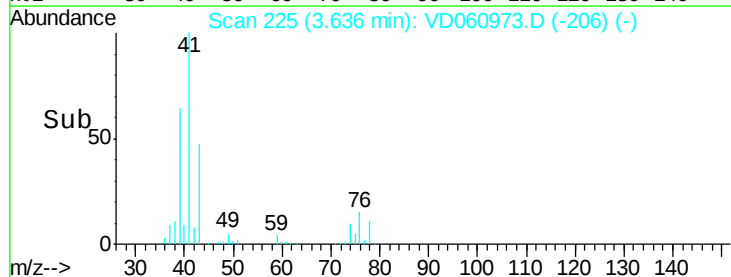
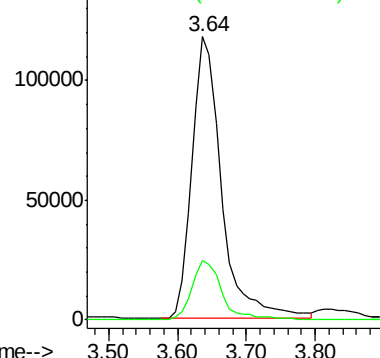


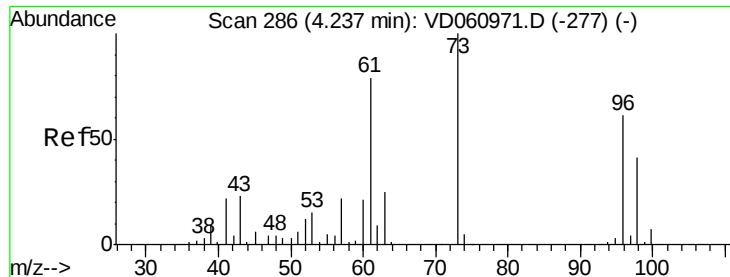
#18
Methyl Acetate
Concen: 78.914 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 43 Resp: 353229
Ion Ratio Lower Upper
43 100
74 21.1 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

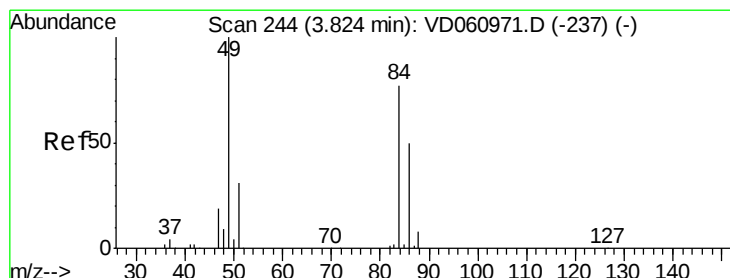
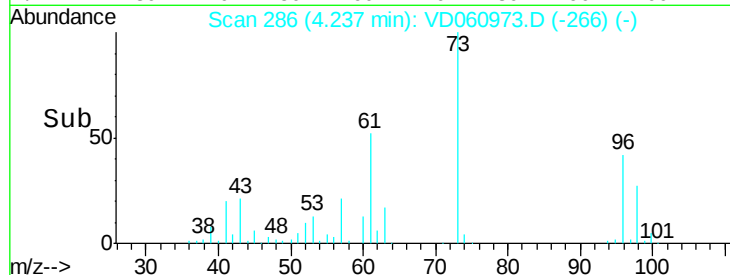
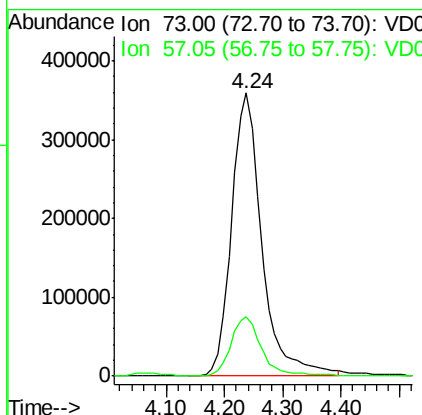
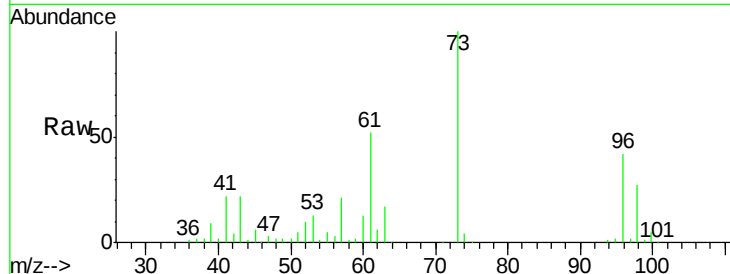




#19
Methyl tert-butyl Ether
Concen: 80.994 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

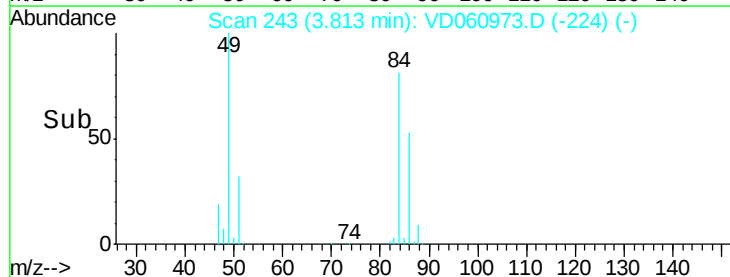
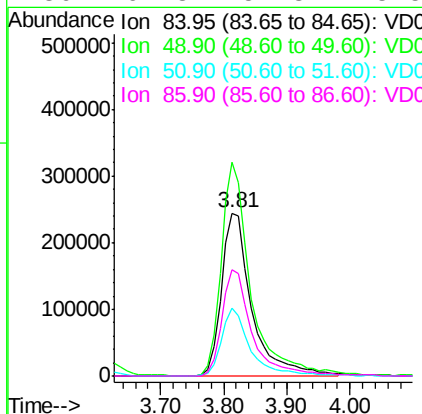
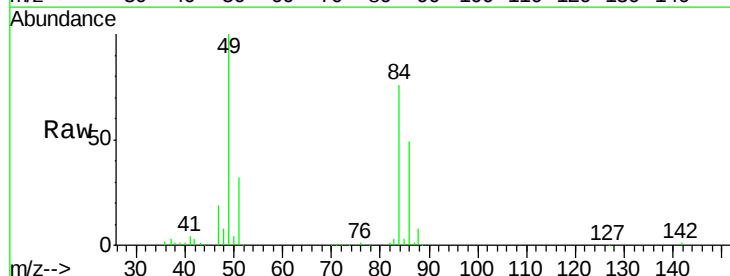
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

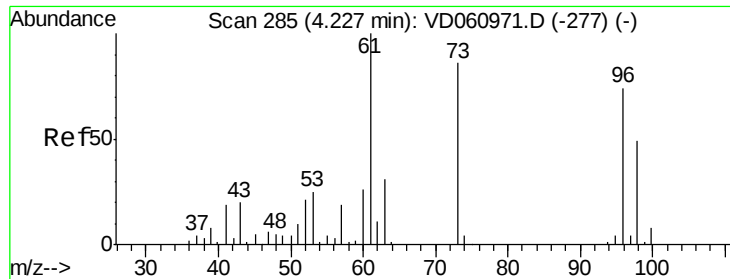
Tgt Ion: 73 Resp: 1300456
Ion Ratio Lower Upper
73 100
57 21.1 17.7 26.5



#20
Methylene Chloride
Concen: 67.320 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 84 Resp: 818330
Ion Ratio Lower Upper
84 100
49 131.0 104.2 156.2
51 41.8 32.3 48.5
86 64.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 81.464 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

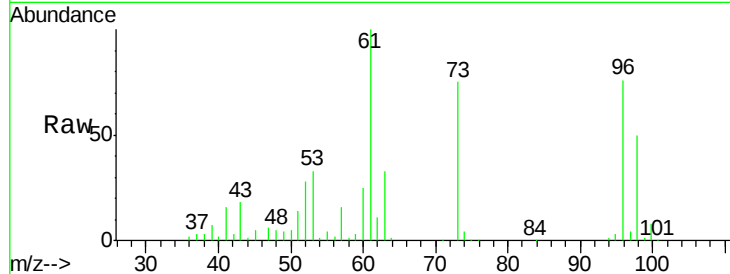
Tgt Ion: 96 Resp: 808213

Ion Ratio Lower Upper

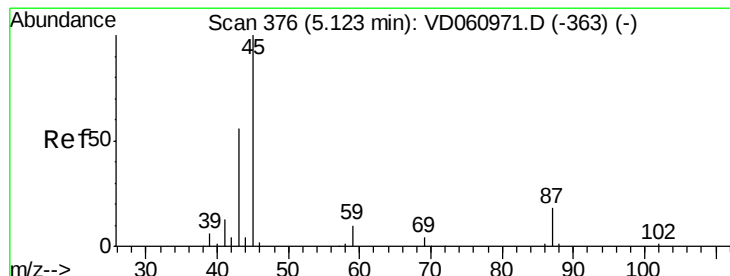
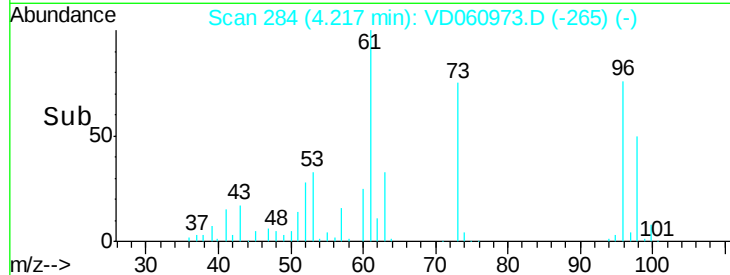
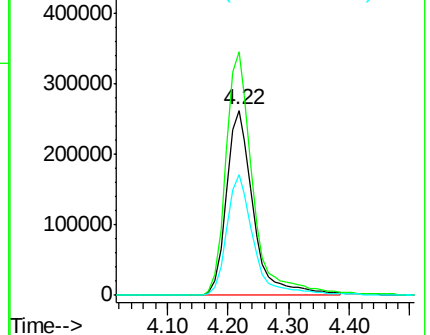
96 100

61 131.5 108.4 162.6

98 65.2 53.0 79.4



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



#22

Diisopropyl ether

Concen: 73.573 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Tgt Ion: 45 Resp: 2313937

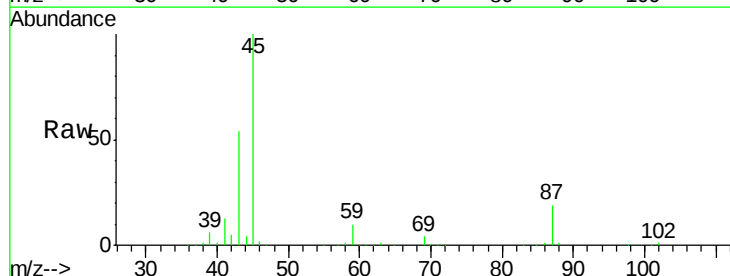
Ion Ratio Lower Upper

45 100

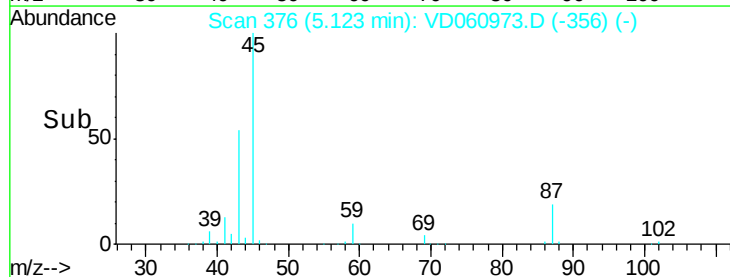
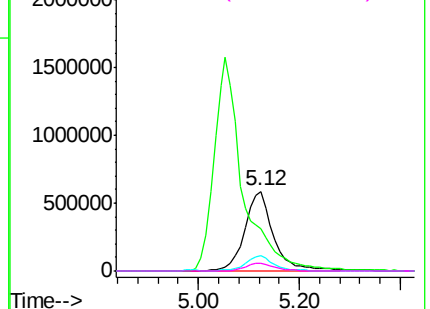
43 54.0 45.8 68.8

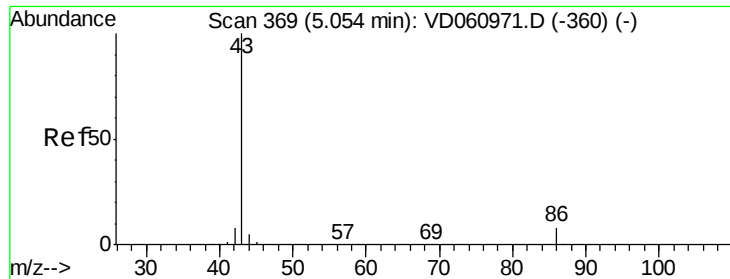
87 19.1 14.9 22.3

59 10.4 8.0 12.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 375.917 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

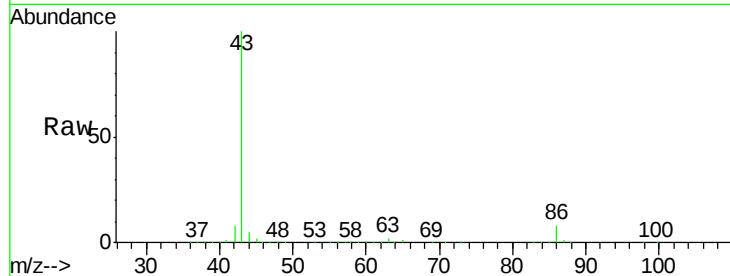
VSTDIC100

Tgt Ion: 43 Resp: 6195562

Ion Ratio Lower Upper

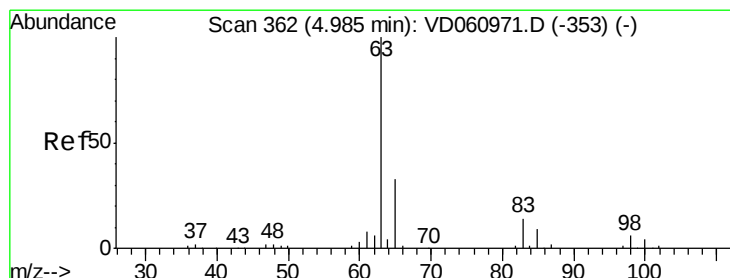
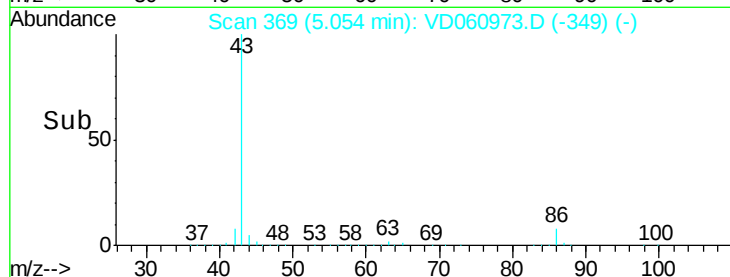
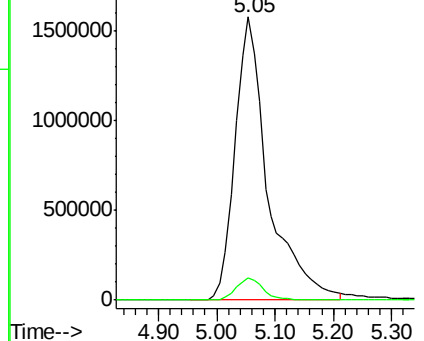
43 100

86 8.0 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 82.470 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

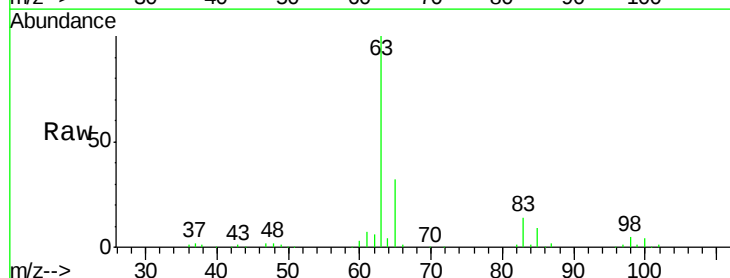
Tgt Ion: 63 Resp: 1394740

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

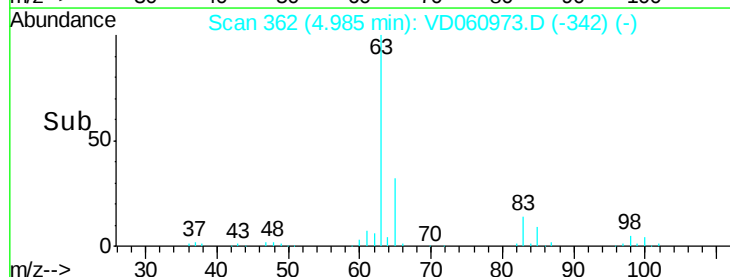
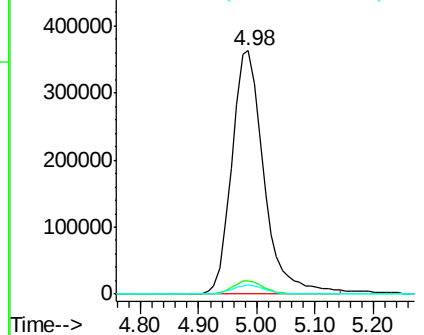
100 3.7 2.0 5.8

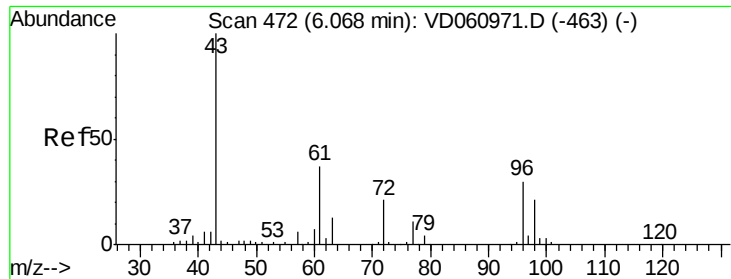


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 357.092 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

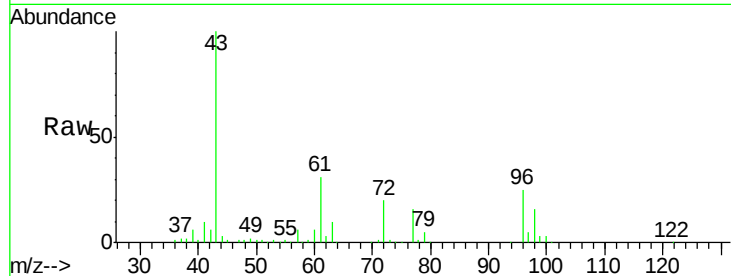
VSTDIC100

Tgt Ion: 43 Resp: 956798

Ion Ratio Lower Upper

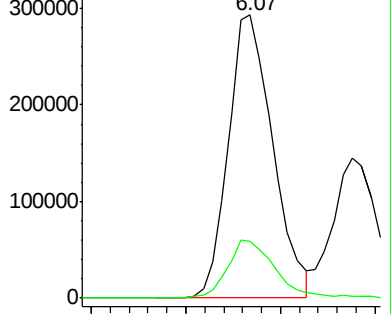
43 100

72 20.0 16.7 25.1

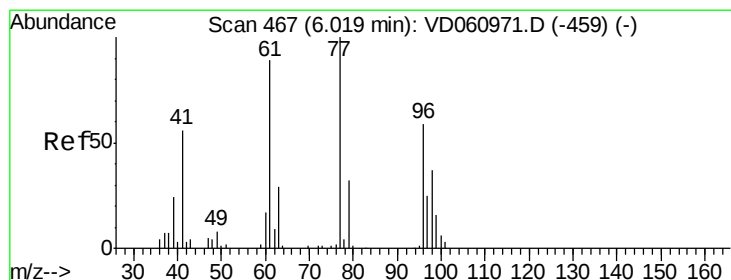
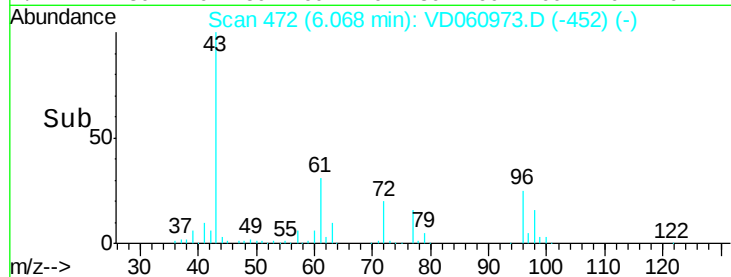


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 82.017 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060973.D

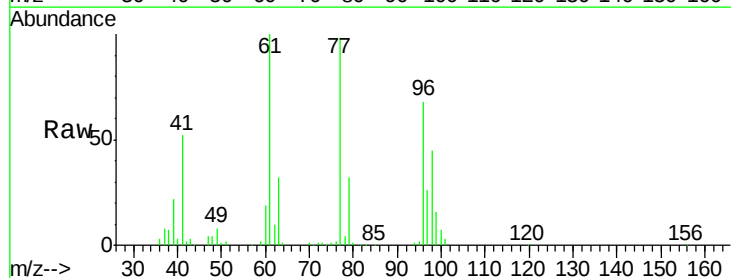
Acq: 7 Mar 2019 17:26

Tgt Ion: 77 Resp: 1030783

Ion Ratio Lower Upper

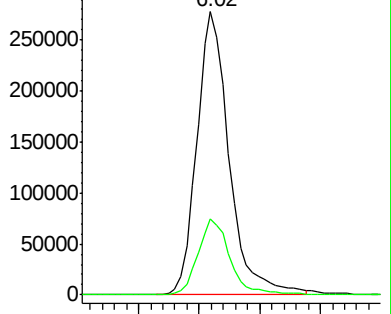
77 100

97 26.7 12.6 37.6

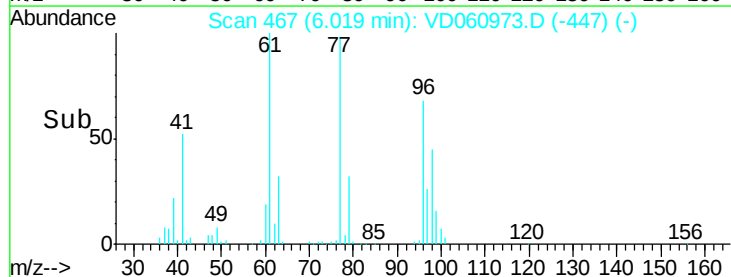


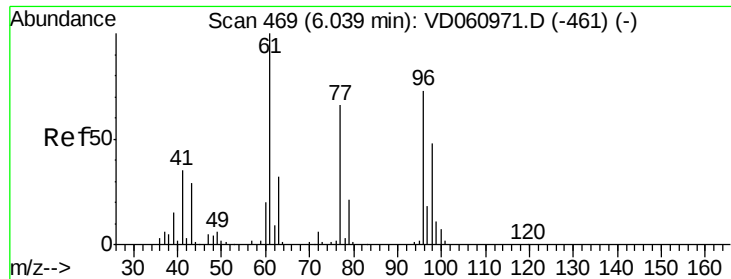
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time--> 5.90 6.00 6.10 6.20

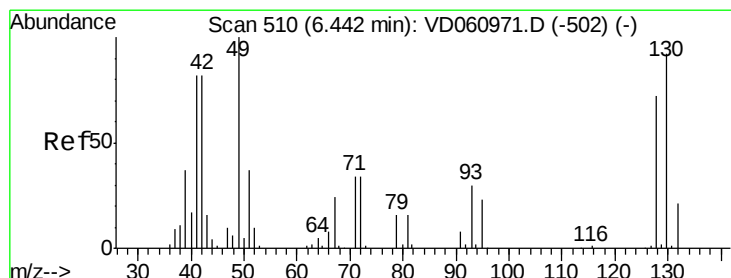
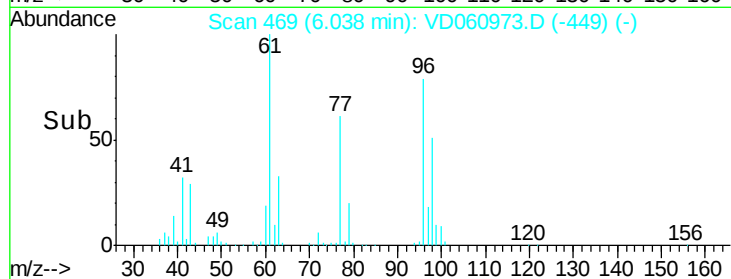
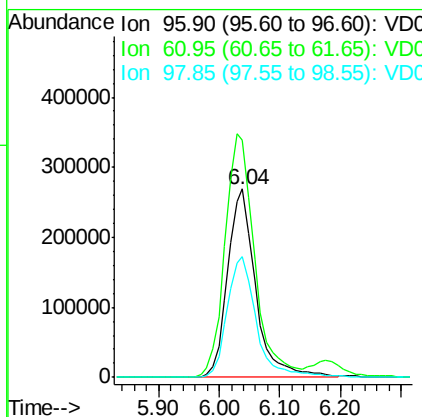
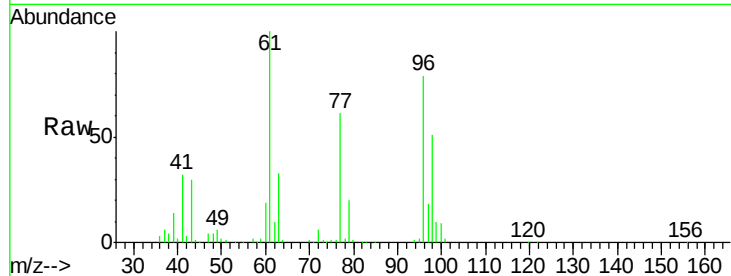




#27
 cis-1,2-Dichloroethene
 Concen: 77.677 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

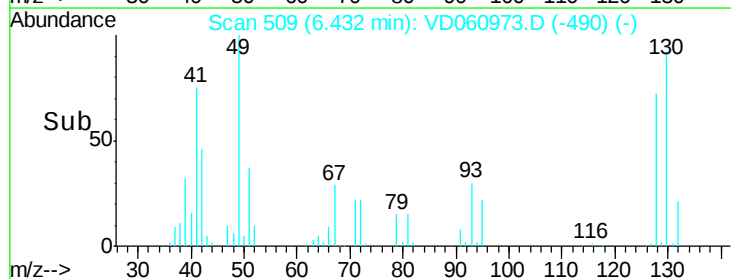
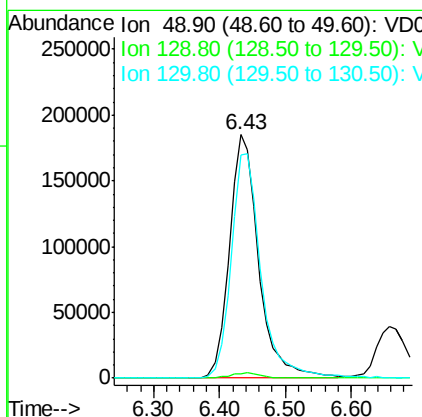
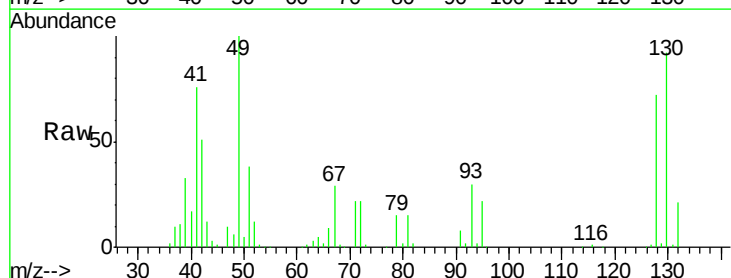
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 96 Resp: 868087
 Ion Ratio Lower Upper
 96 100
 61 126.5 0.0 273.6
 98 64.4 0.0 132.6



#28
 Bromochloromethane
 Concen: 82.325 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 49 Resp: 578559
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.0
 130 91.8 73.8 110.8





#29

Tetrahydrofuran

Concen: 375.697 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

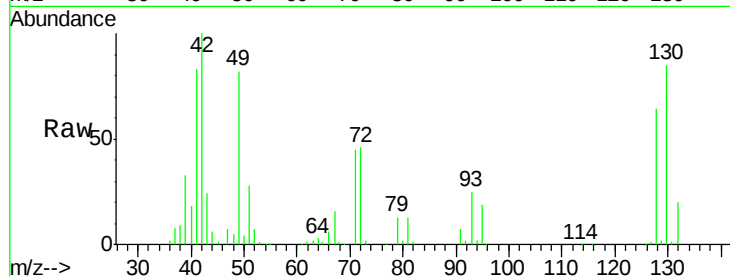
Tgt Ion: 42 Resp: 526525

Ion Ratio Lower Upper

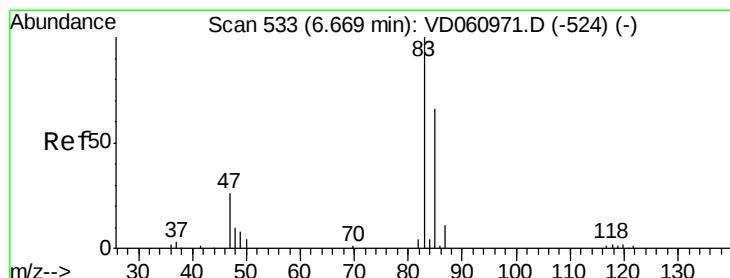
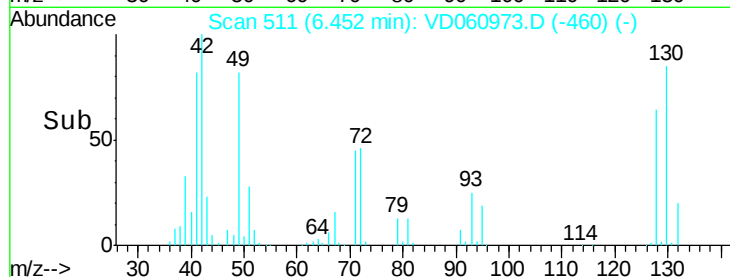
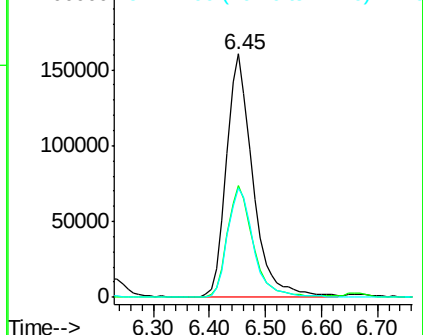
42 100

72 45.0 34.5 51.7

71 44.2 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 89.572 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD060973.D

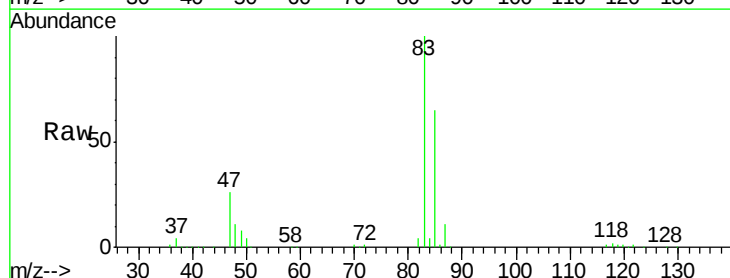
Acq: 7 Mar 2019 17:26

Tgt Ion: 83 Resp: 1465794

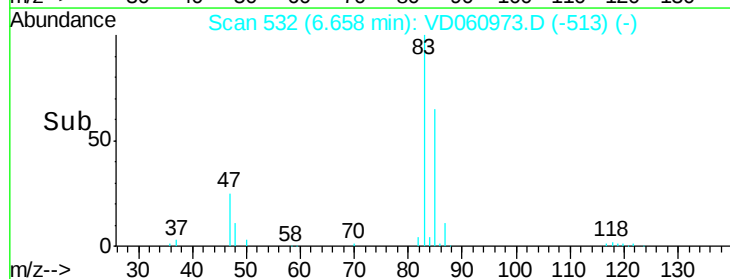
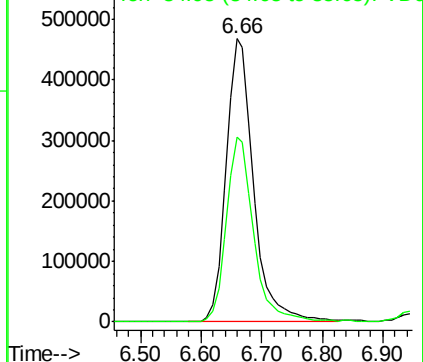
Ion Ratio Lower Upper

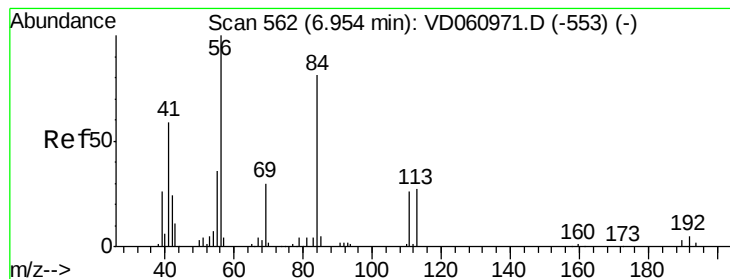
83 100

85 65.1 53.0 79.4



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





#31

Cyclohexane

Concen: 79.637 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

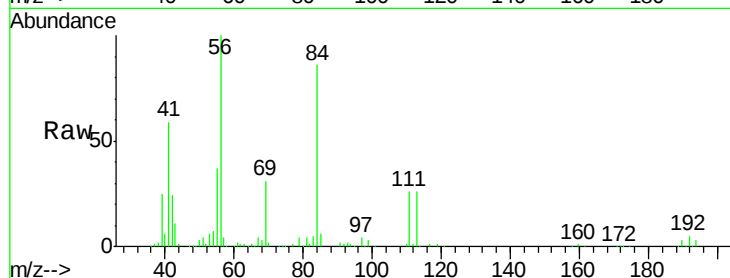
Tgt Ion: 56 Resp: 1142902

Ion Ratio Lower Upper

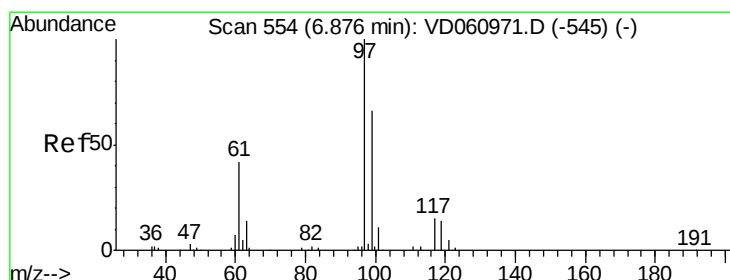
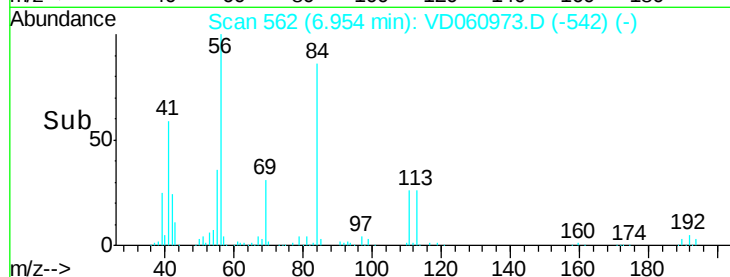
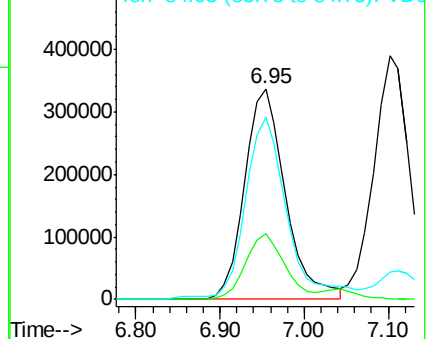
56 100

69 31.2 24.0 36.0

84 86.4 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 84.293 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

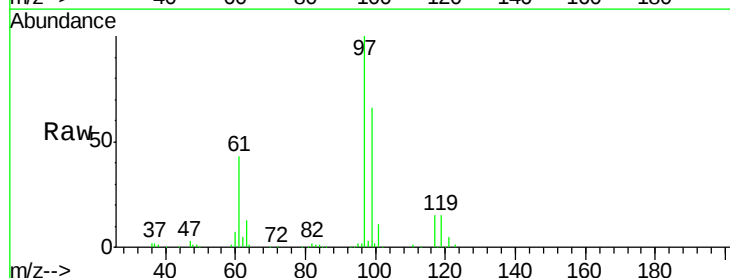
Tgt Ion: 97 Resp: 1186465

Ion Ratio Lower Upper

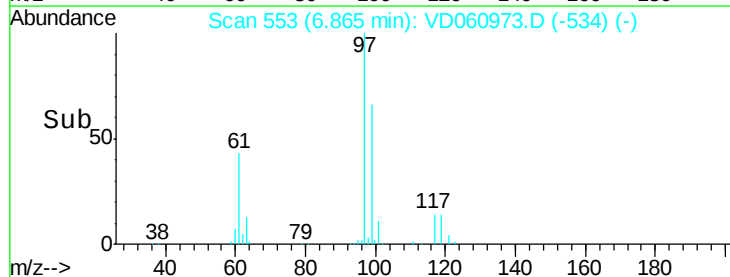
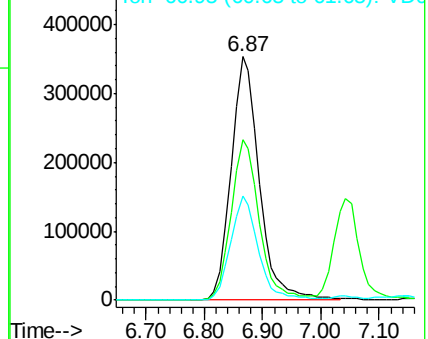
97 100

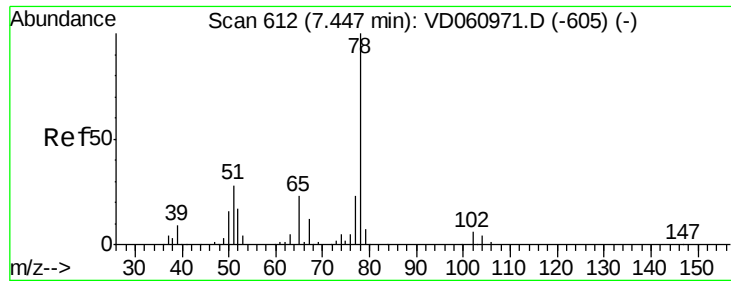
99 65.7 53.2 79.8

61 42.9 33.8 50.8



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

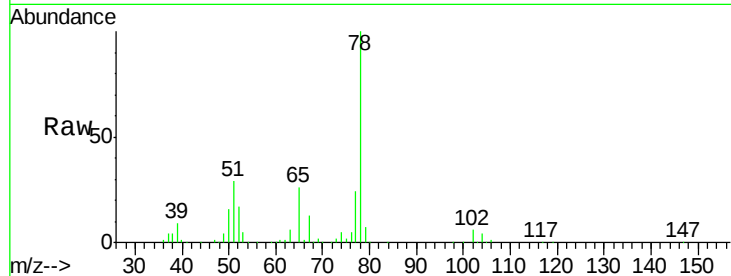




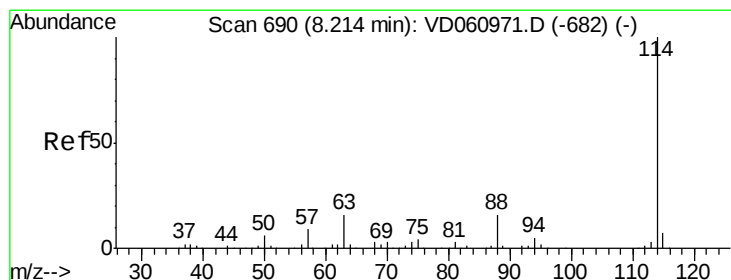
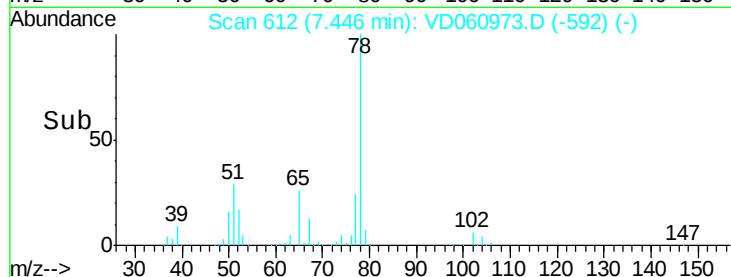
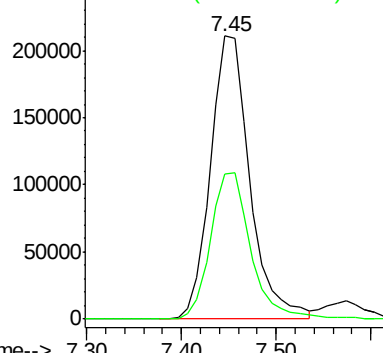
#33
 1,2-Dichloroethane-d4
 Concen: 84.293 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 608662
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.2

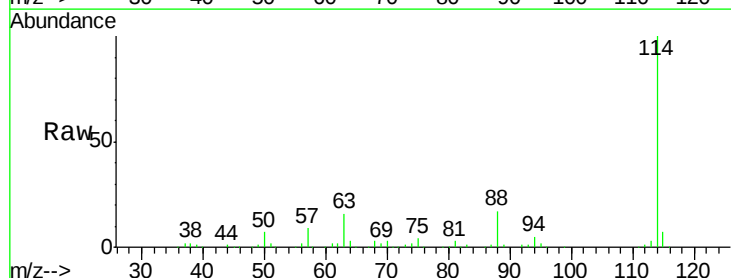


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

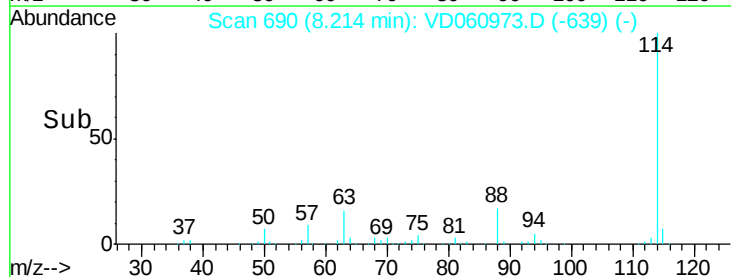
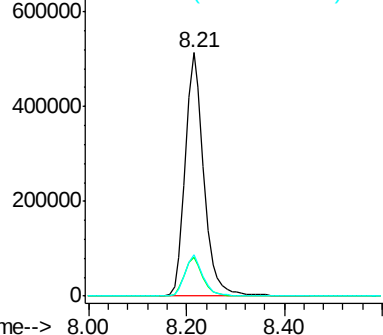


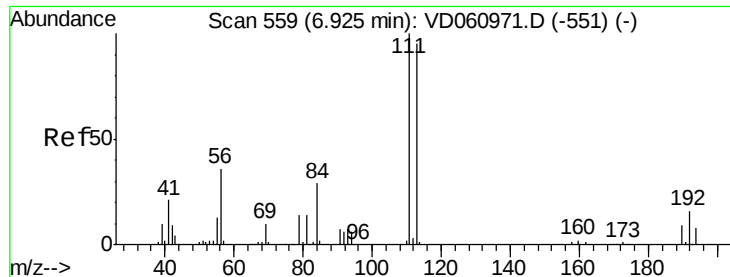
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 114 Resp: 1370769
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.4
 88 16.8 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

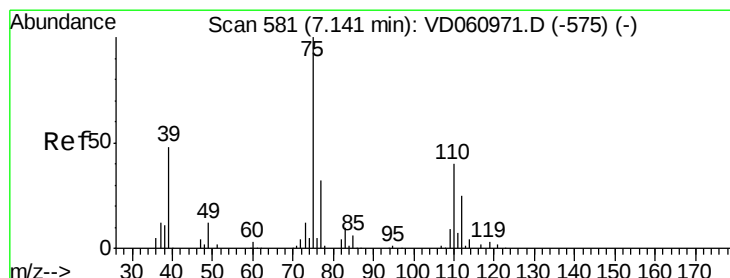
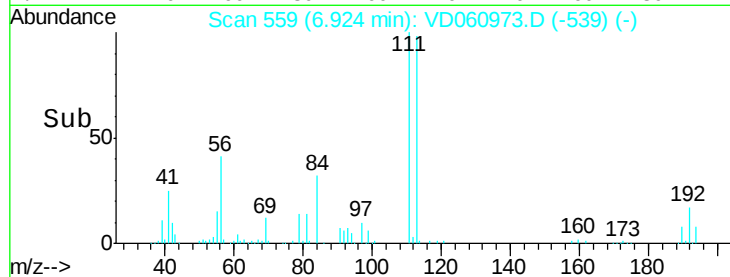
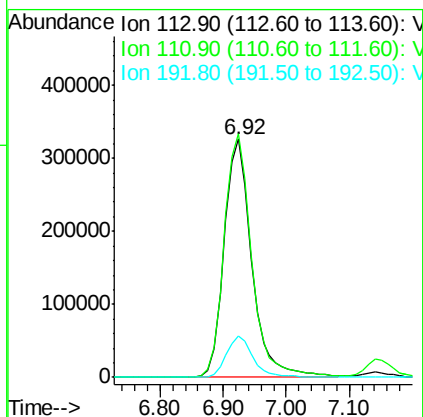
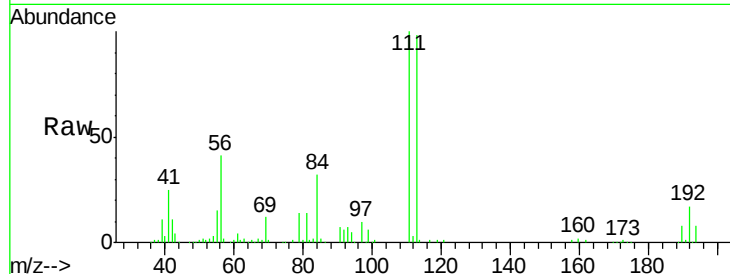




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

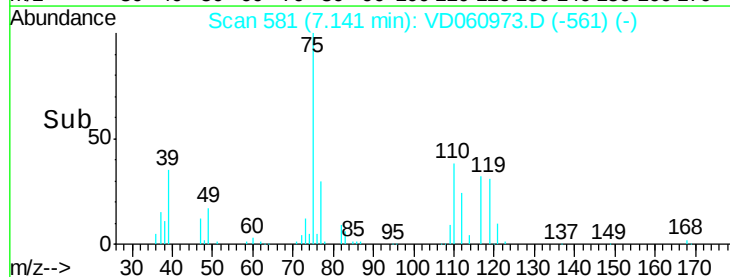
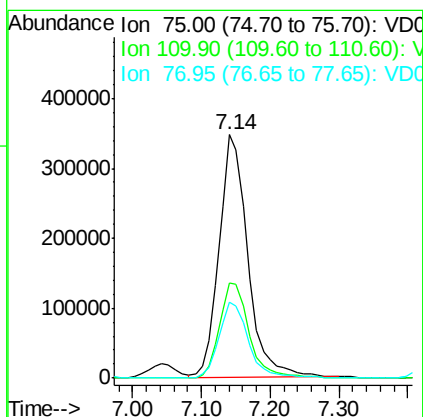
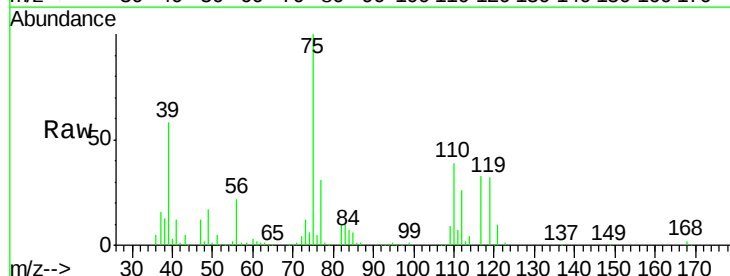
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

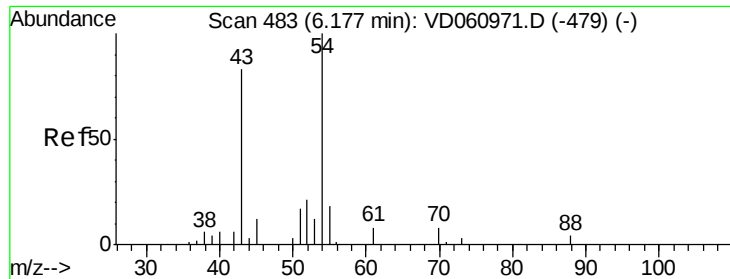
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	84.2	126.4
192	17.3	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 79.474 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.7	59.1
77	31.0	24.7	37.1

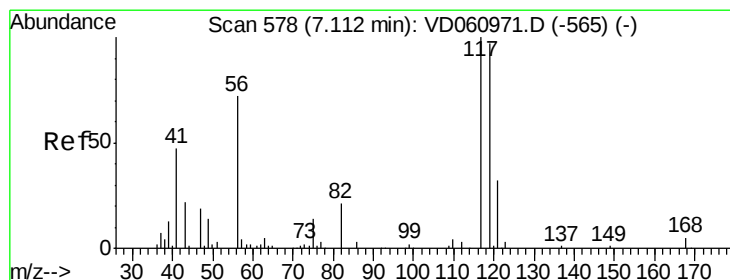
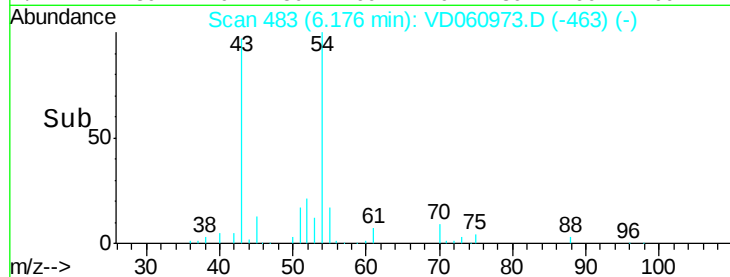
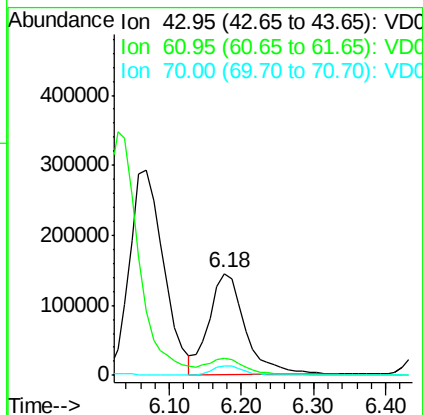
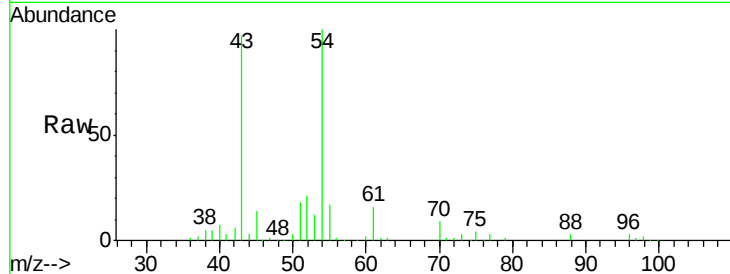




#37
Ethyl Acetate
Concen: 76.965 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

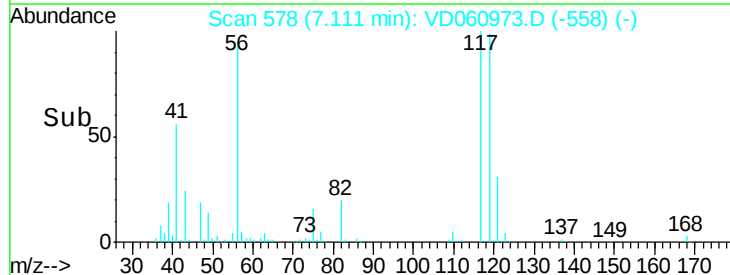
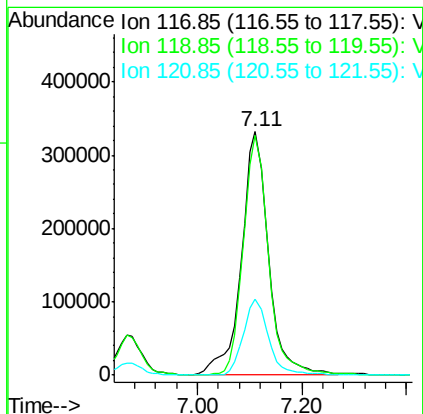
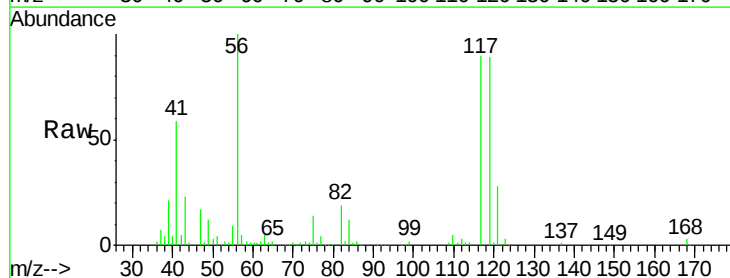
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

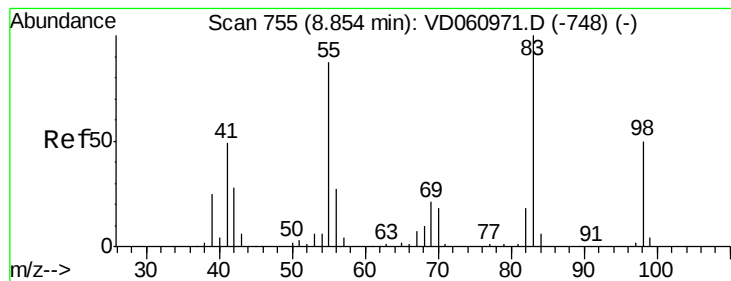
Tgt Ion: 43 Resp: 494251
Ion Ratio Lower Upper
43 100
61 16.3 13.7 20.5
70 9.2 7.1 10.7



#38
Carbon Tetrachloride
Concen: 84.229 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 117 Resp: 1147432
Ion Ratio Lower Upper
117 100
119 98.7 77.8 116.8
121 31.4 25.3 37.9





#39

Methylcyclohexane

Concen: 81.115 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

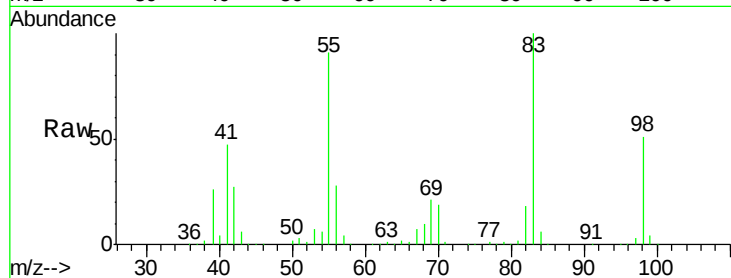
Tgt Ion: 83 Resp: 1111156

Ion Ratio Lower Upper

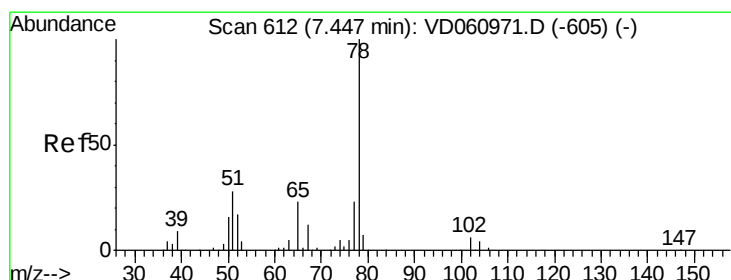
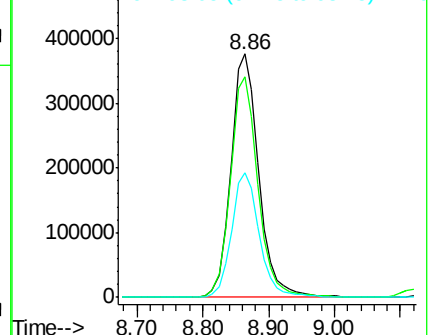
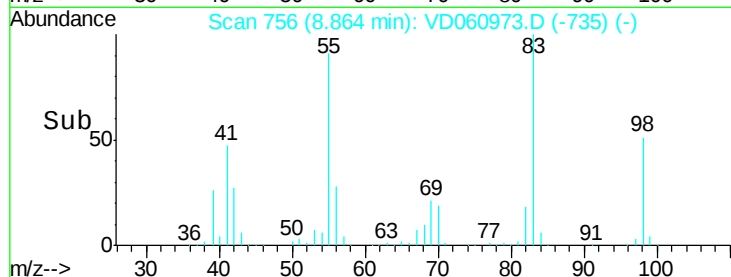
83 100

55 90.7 69.6 104.4

98 51.1 40.0 60.0



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: 82.521 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060973.D

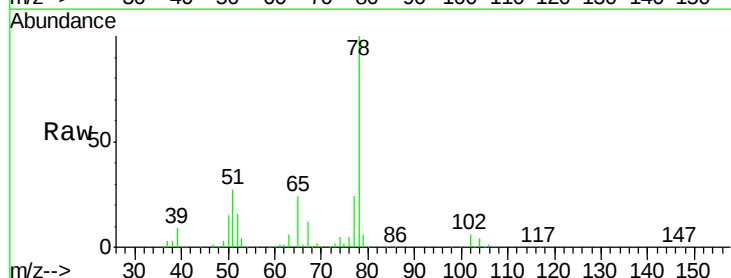
Acq: 7 Mar 2019 17:26

Tgt Ion: 78 Resp: 2676392

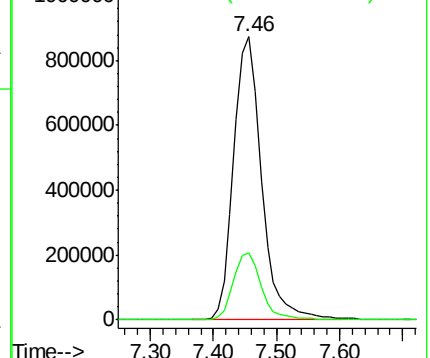
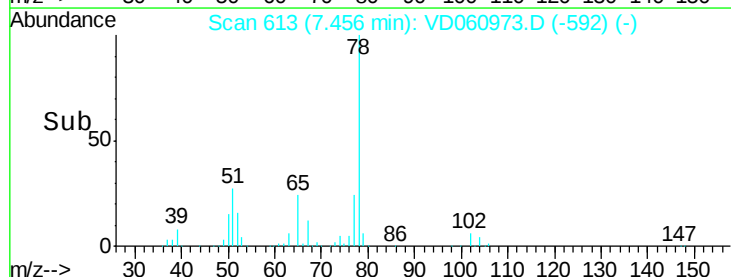
Ion Ratio Lower Upper

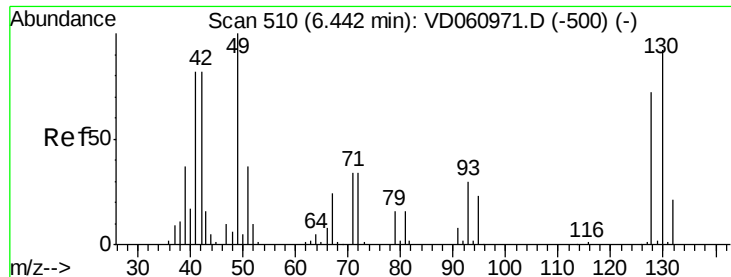
78 100

77 23.8 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

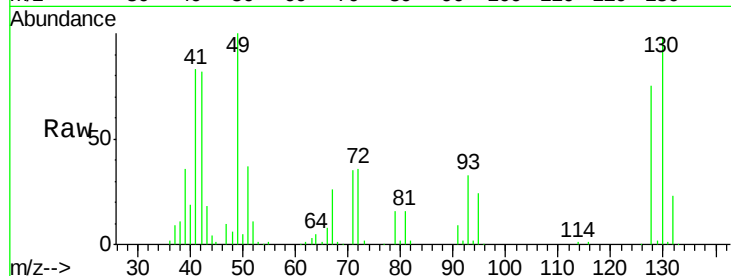




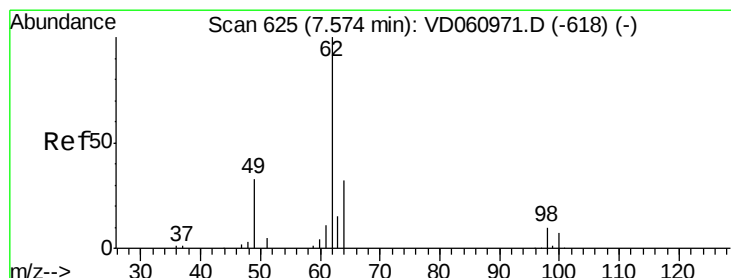
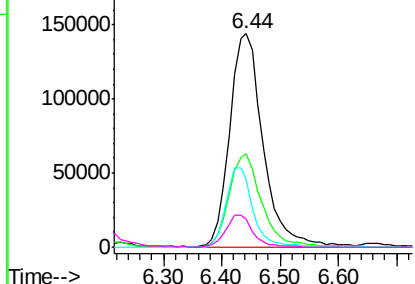
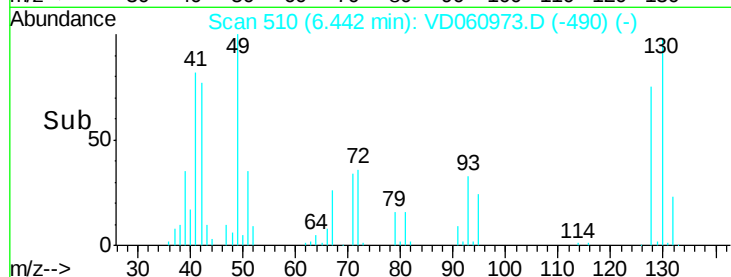
#41
Methacrylonitrile
Concen: 123.938 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 570494
Ion Ratio Lower Upper
41 100
39 43.9 35.7 53.5
67 31.6 23.0 34.6
52 12.9 9.2 13.8

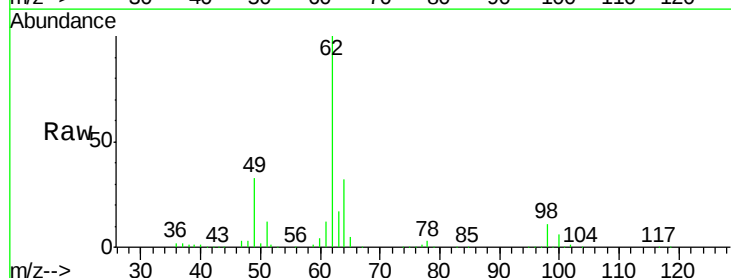


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

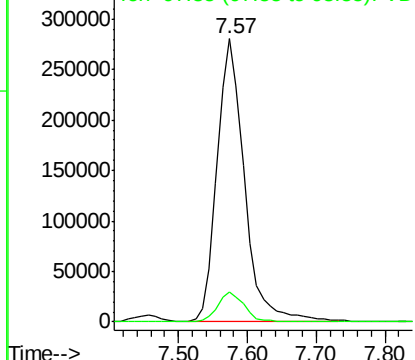
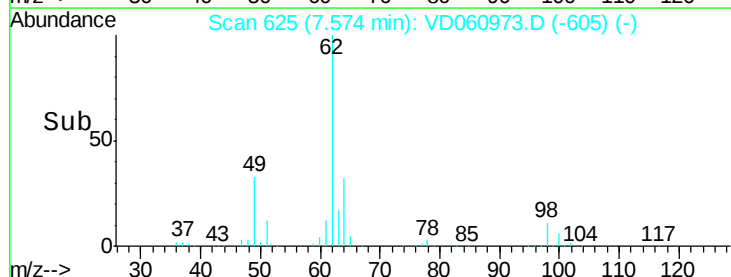


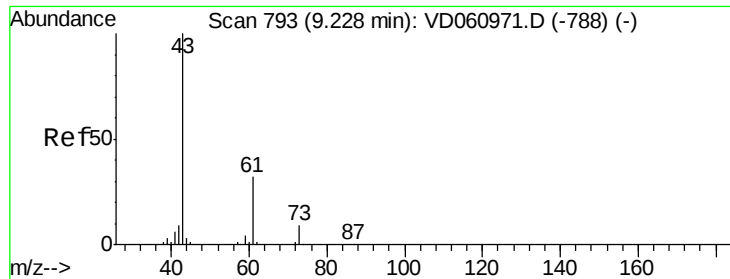
#42
1,2-Dichloroethane
Concen: 83.672 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 62 Resp: 768171
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 79.705 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

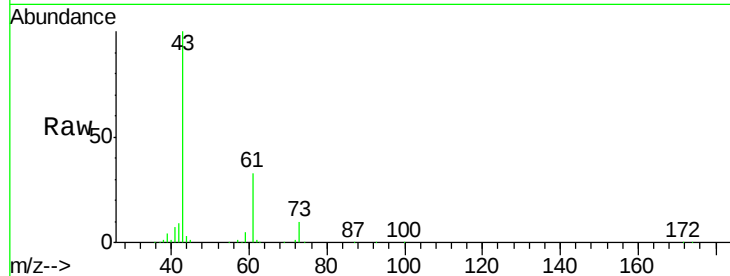
Tgt Ion: 43 Resp: 712274

Ion Ratio Lower Upper

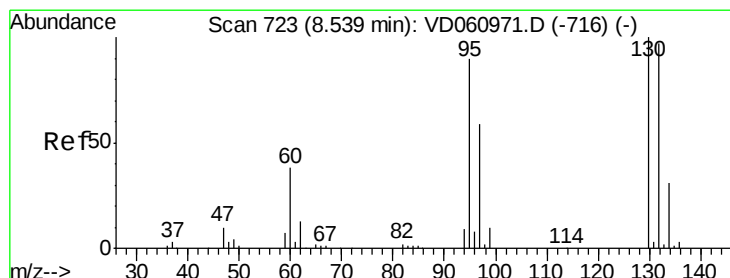
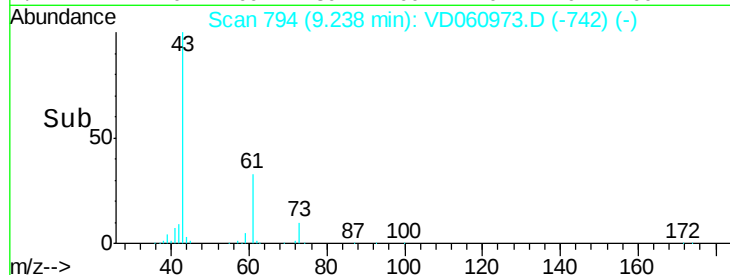
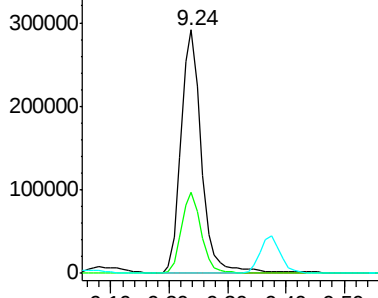
43 100

61 33.3 25.6 38.4

87 0.3 0.2 0.4



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



#44

Trichloroethene

Concen: 89.329 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD060973.D

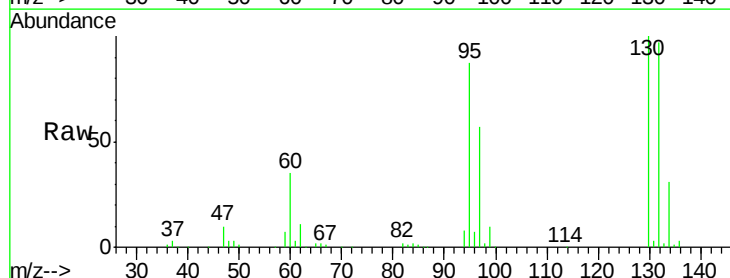
Acq: 7 Mar 2019 17:26

Tgt Ion: 130 Resp: 983051

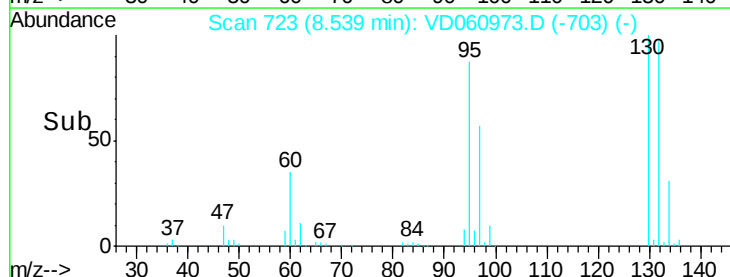
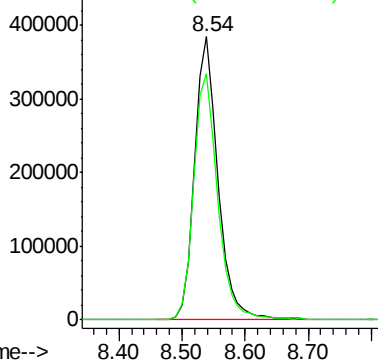
Ion Ratio Lower Upper

130 100

95 87.1 0.0 179.4



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

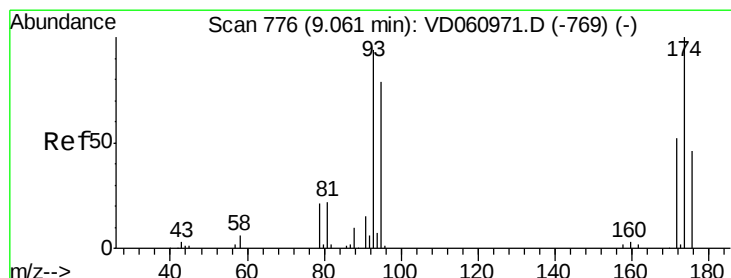
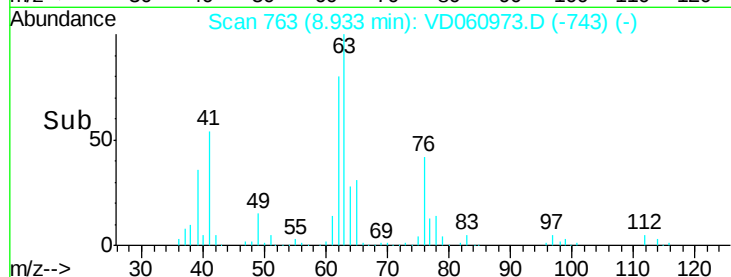
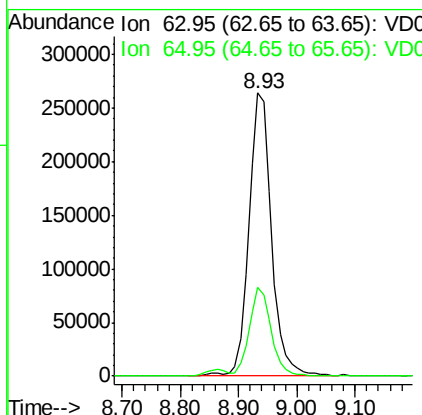
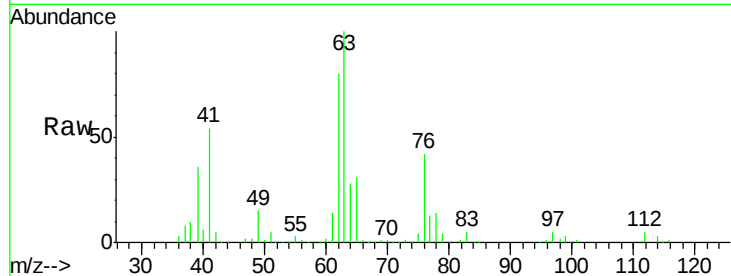




#45
 1,2-Dichloropropane
 Concen: 84.518 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

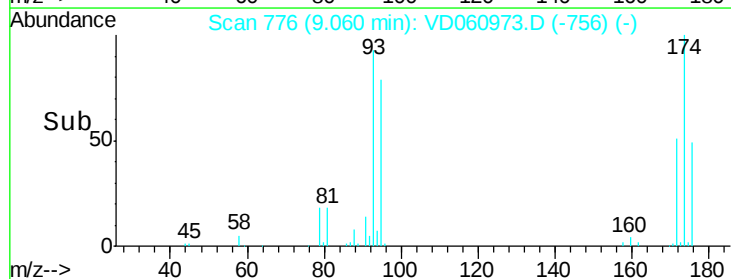
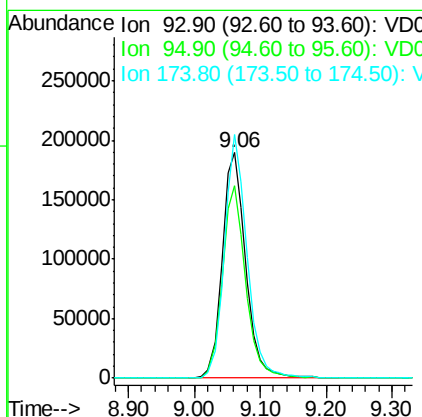
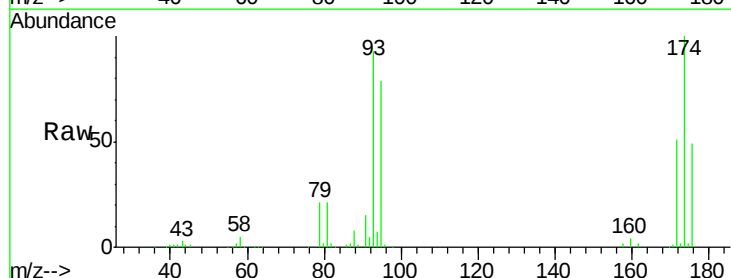
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

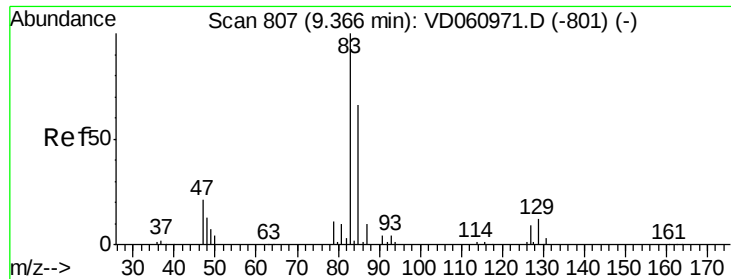
Tgt Ion: 63 Resp: 720298
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2



#46
 Dibromomethane
 Concen: 86.546 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 93 Resp: 471884
 Ion Ratio Lower Upper
 93 100
 95 85.4 67.4 101.0
 174 108.0 85.4 128.0





#47

Bromodichloromethane

Concen: 87.788 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

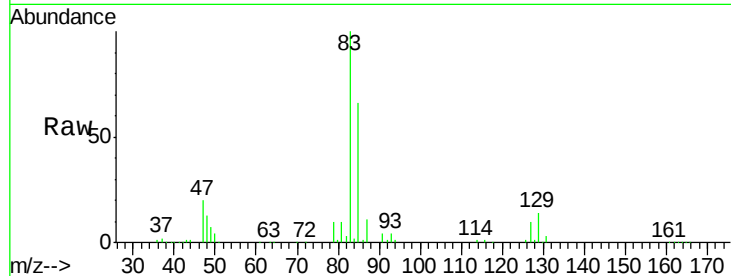
Tgt Ion: 83 Resp: 1062352

Ion Ratio Lower Upper

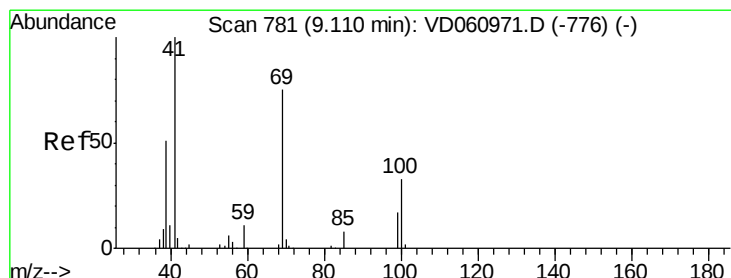
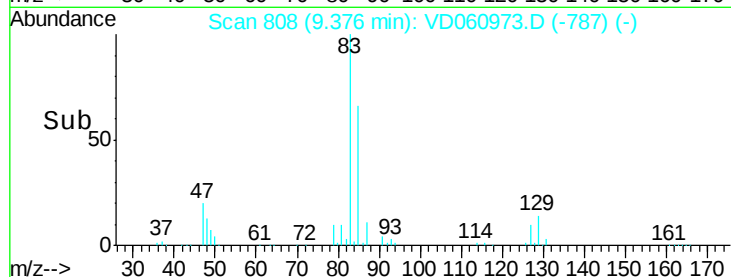
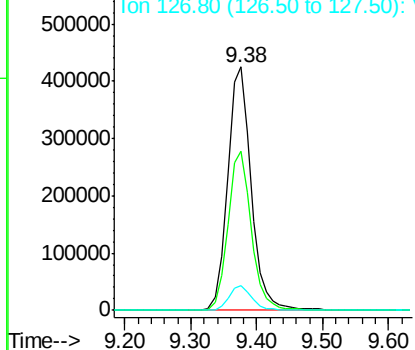
83 100

85 65.6 52.5 78.7

127 10.3 7.5 11.3



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



#48

Methyl methacrylate

Concen: 75.966 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

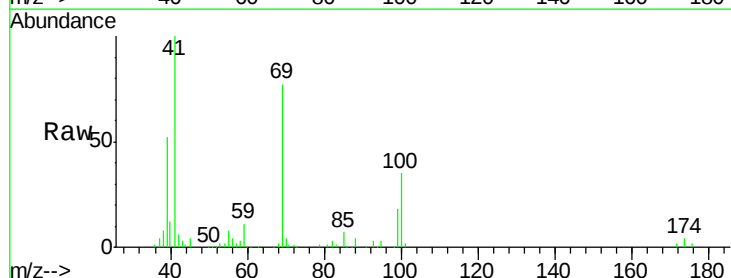
Tgt Ion: 41 Resp: 383807

Ion Ratio Lower Upper

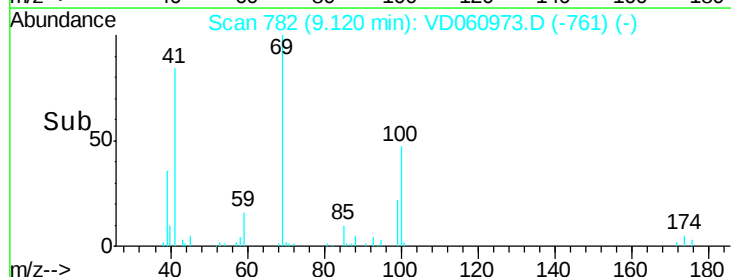
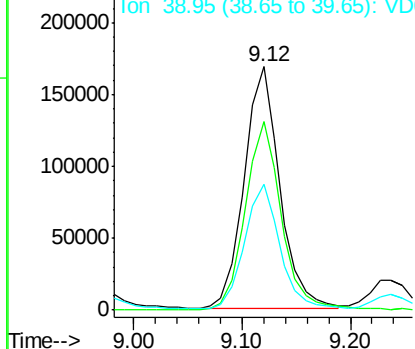
41 100

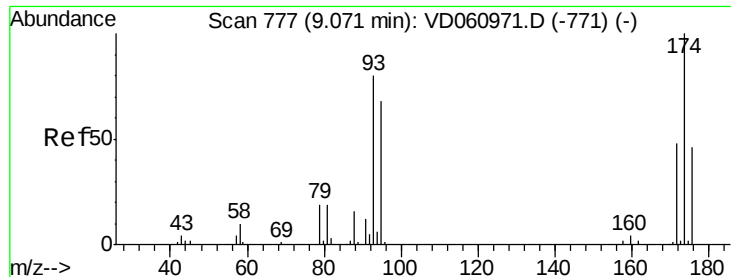
69 77.2 59.9 89.9

39 51.7 40.9 61.3



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

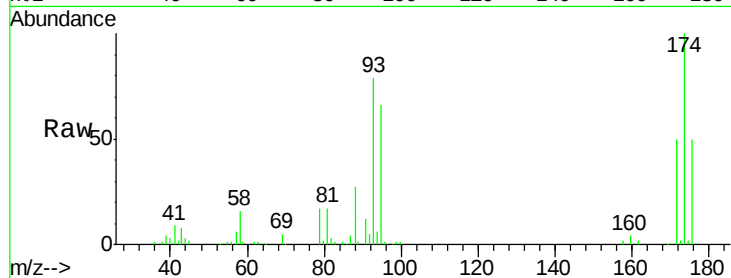




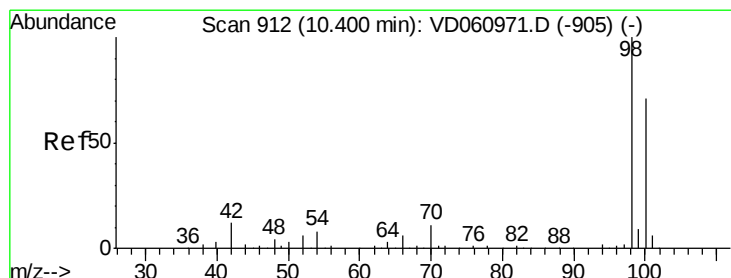
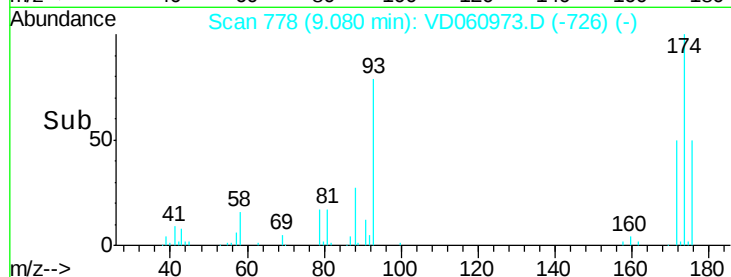
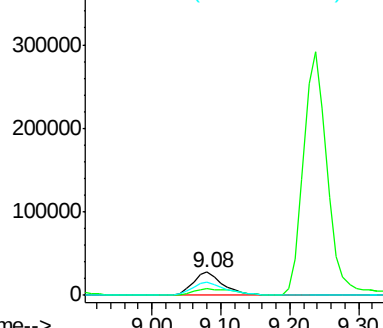
#49
1,4-Dioxane
Concen: 1666.871 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 86434
Ion Ratio Lower Upper
88 100
43 28.7 21.0 31.6
58 57.7 48.6 72.8

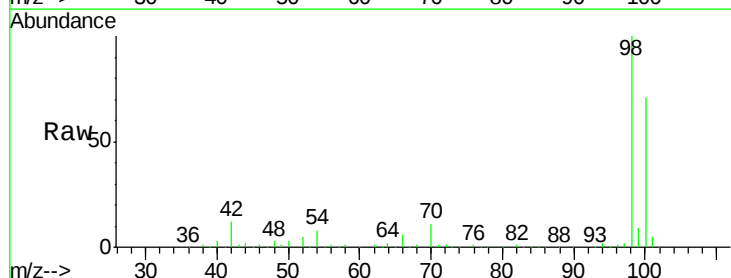


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

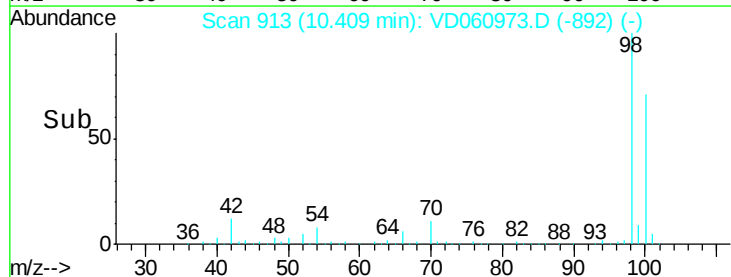
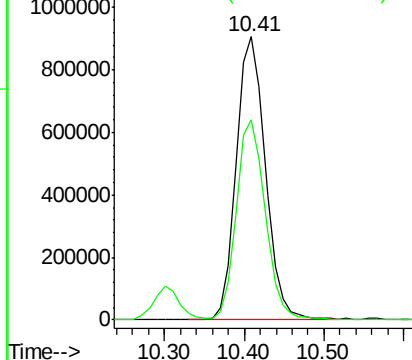


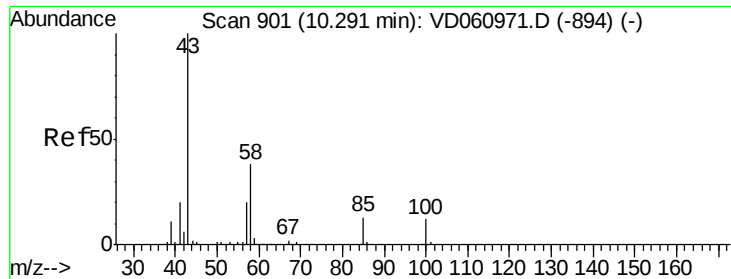
#50
Toluene-d8
Concen: 1666.871 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 98 Resp: 2300752
Ion Ratio Lower Upper
98 100
100 70.7 57.4 86.2



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

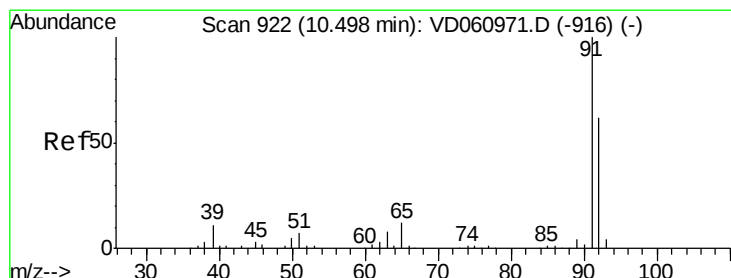
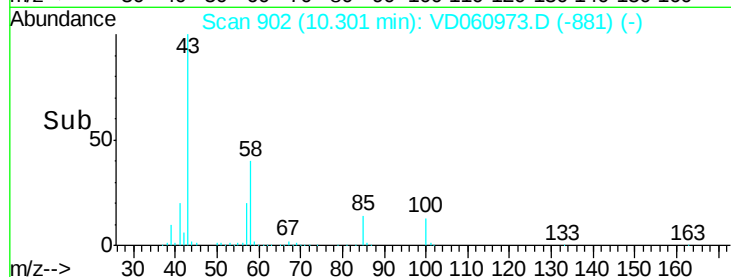
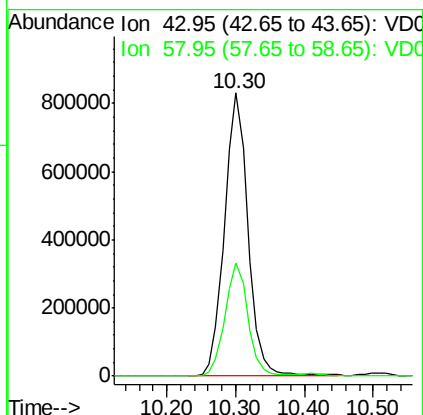
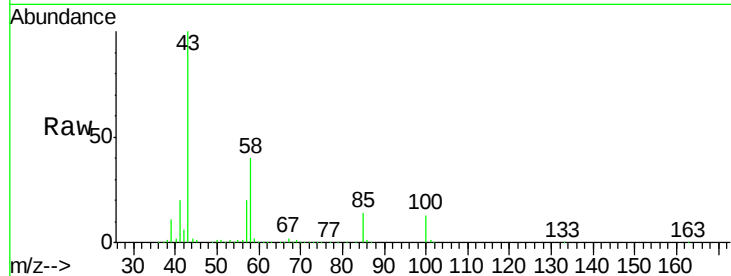




#51
4-Methyl-2-Pentanone
Concen: 360.404 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

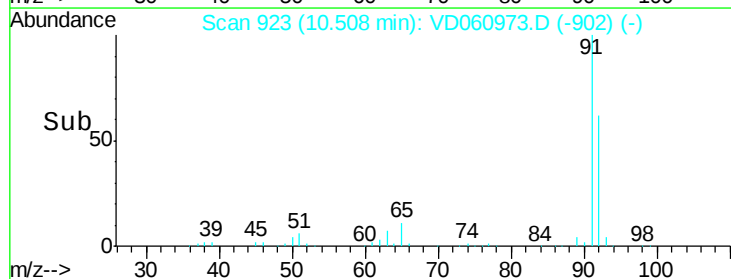
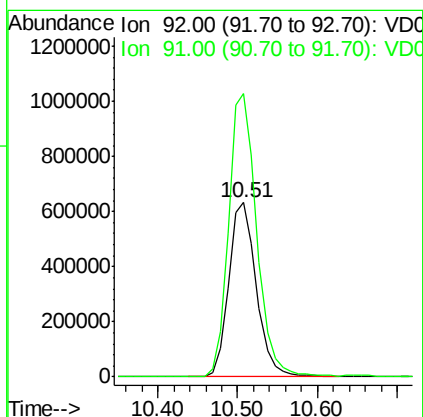
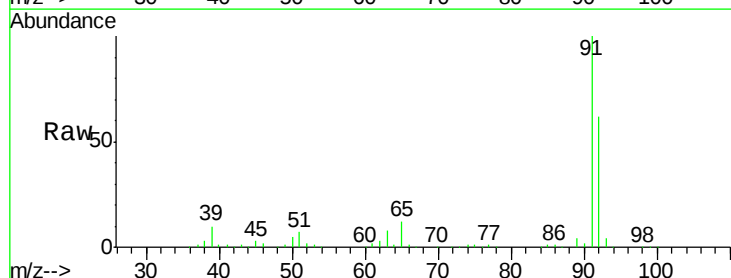
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

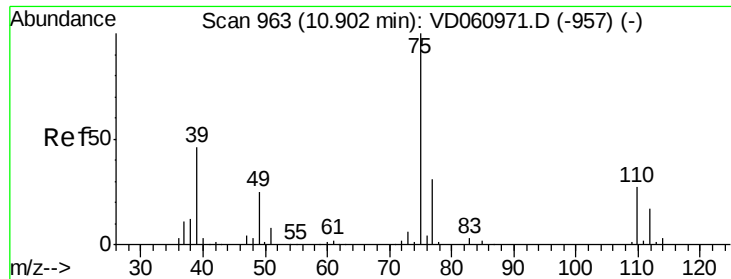
Tgt Ion: 43 Resp: 1966512
Ion Ratio Lower Upper
43 100
58 39.9 30.2 45.2



#52
Toluene
Concen: 74.185 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 92 Resp: 1531267
Ion Ratio Lower Upper
92 100
91 162.5 129.8 194.8

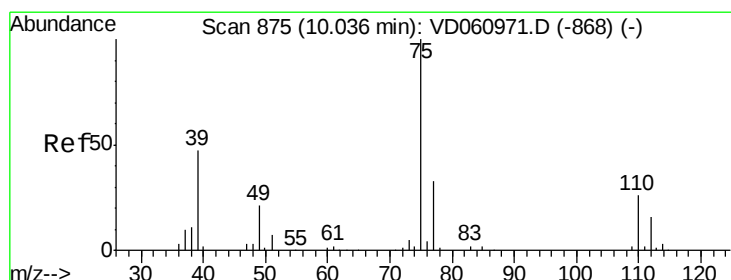
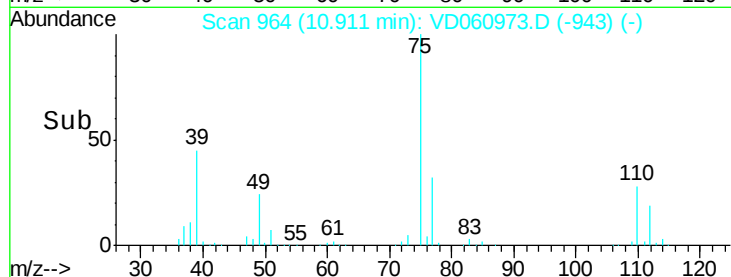
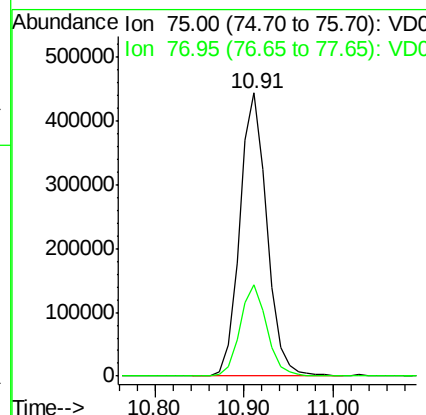
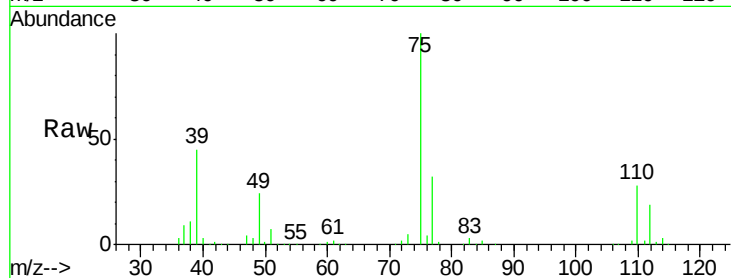




#53
 t-1,3-Dichloropropene
 Concen: 85.667 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

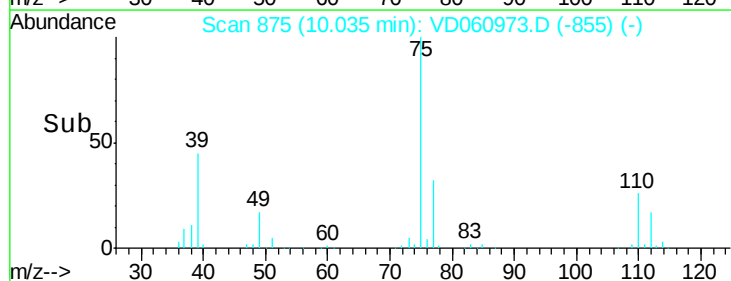
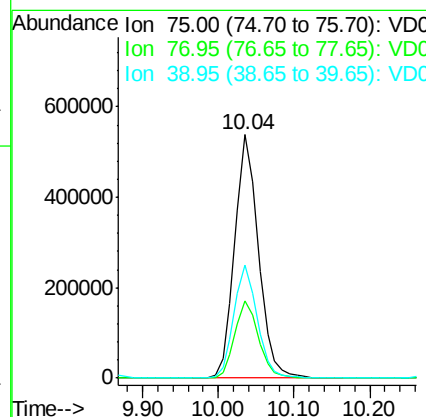
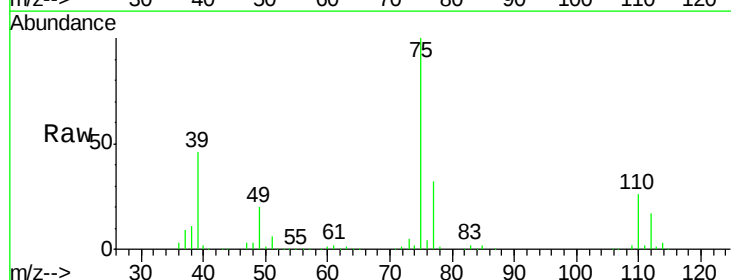
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 75 Resp: 941897
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 86.738 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 75 Resp: 1169730
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.4
 39 46.3 37.8 56.8

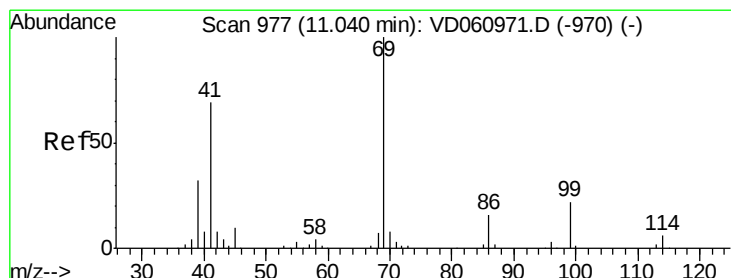
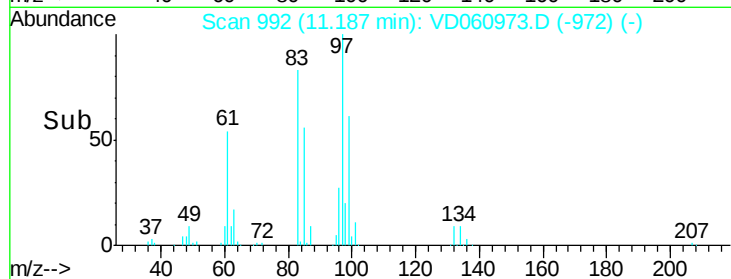
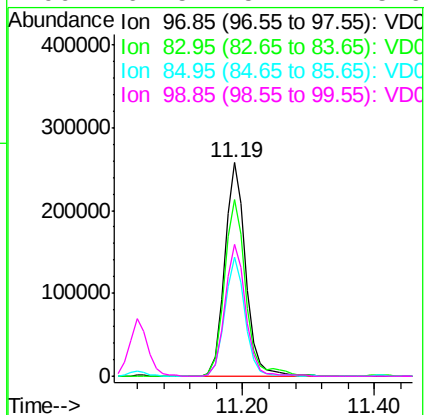
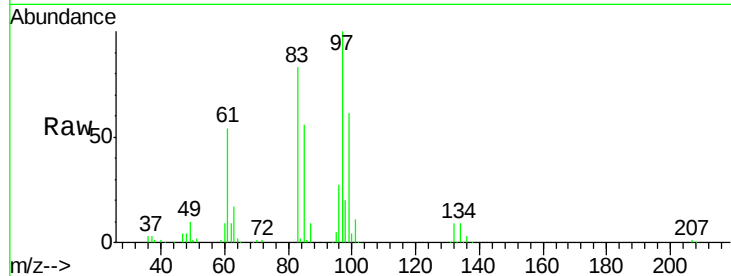




#55
 1,1,2-Trichloroethane
 Concen: 83.692 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

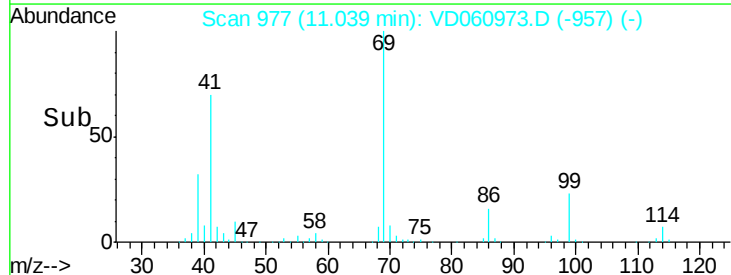
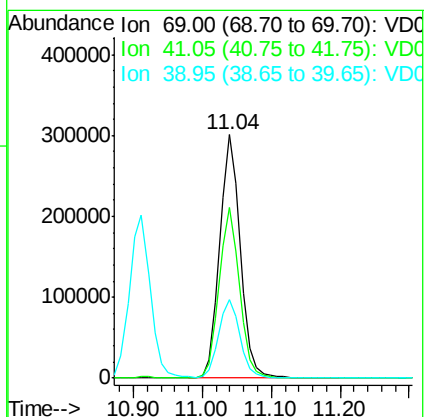
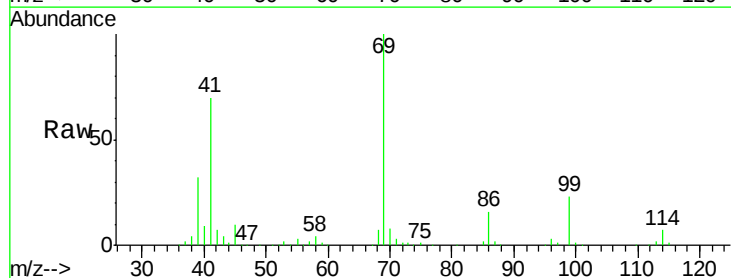
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

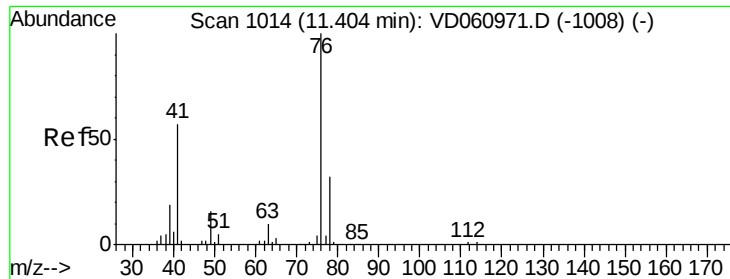
Tgt Ion: 97 Resp: 571186
 Ion Ratio Lower Upper
 97 100
 83 82.9 66.6 100.0
 85 55.6 46.4 69.6
 99 61.5 52.4 78.6



#56
 Ethyl methacrylate
 Concen: 87.352 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 69 Resp: 625787
 Ion Ratio Lower Upper
 69 100
 41 70.0 55.5 83.3
 39 32.0 26.2 39.2





#57

1,3-Dichloropropane

Concen: 88.872 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

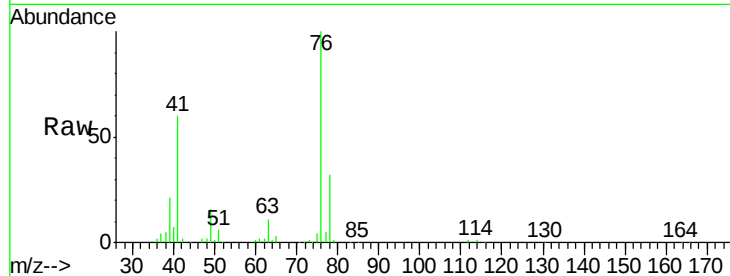
VSTDIC100

Tgt Ion: 76 Resp: 876848

Ion Ratio Lower Upper

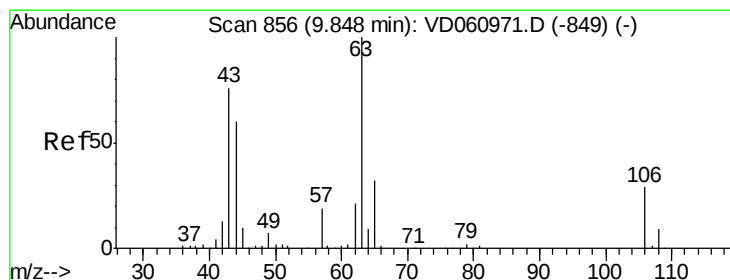
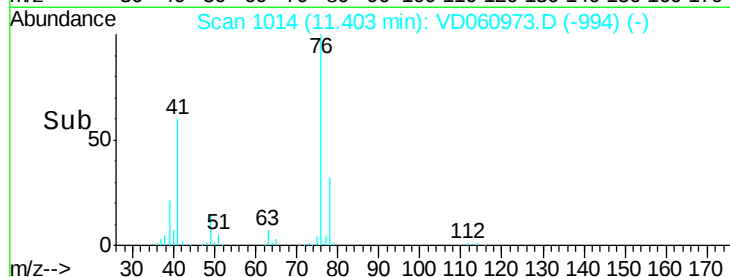
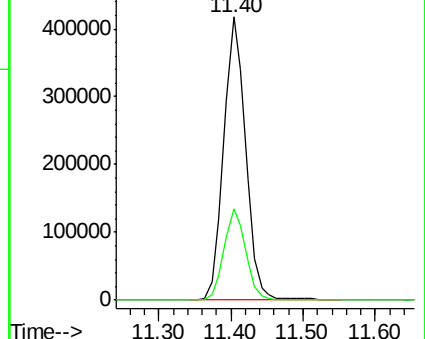
76 100

78 32.3 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 377.026 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD060973.D

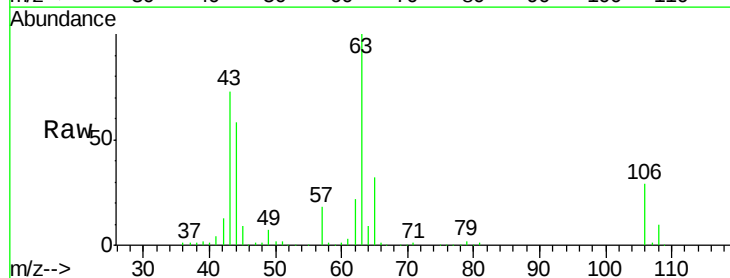
Acq: 7 Mar 2019 17:26

Tgt Ion: 63 Resp: 1446174

Ion Ratio Lower Upper

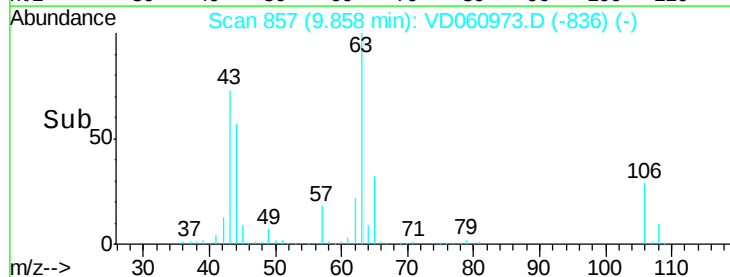
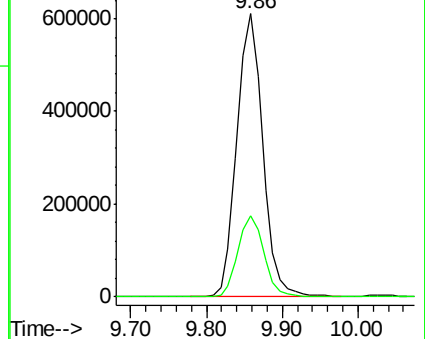
63 100

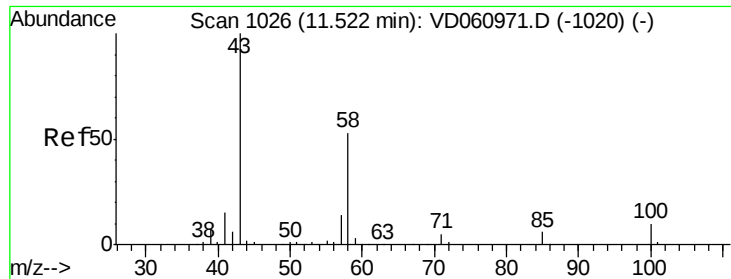
106 28.5 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

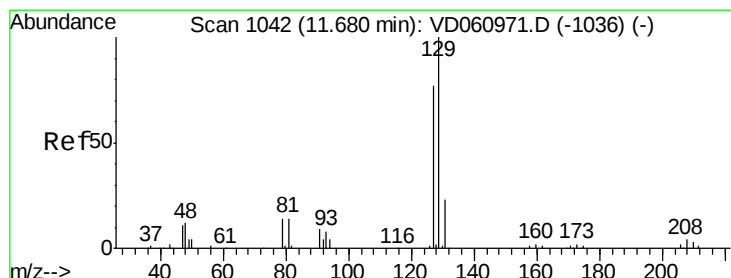
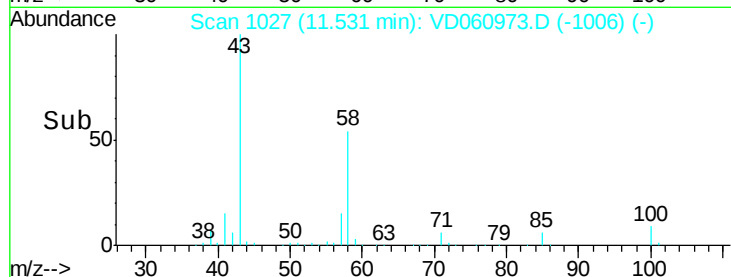
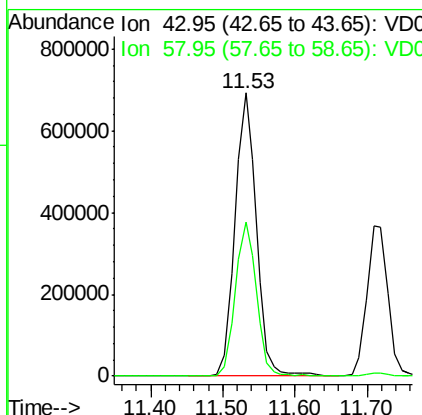
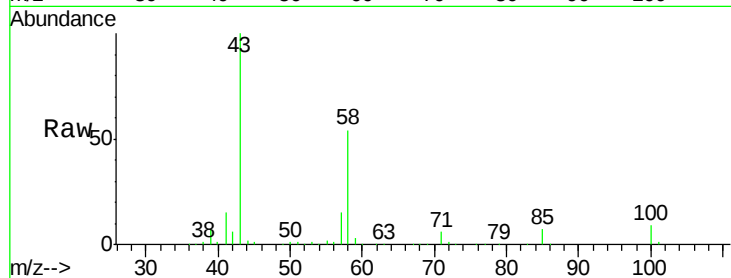




#59
2-Hexanone
Concen: 373.361 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

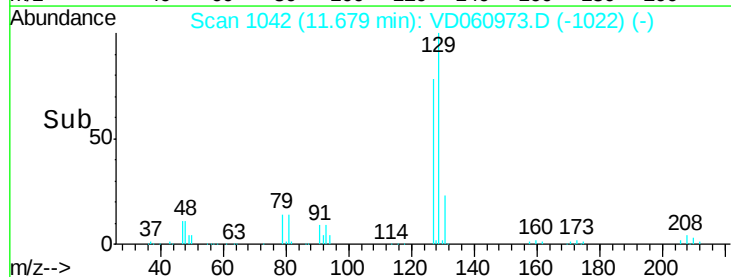
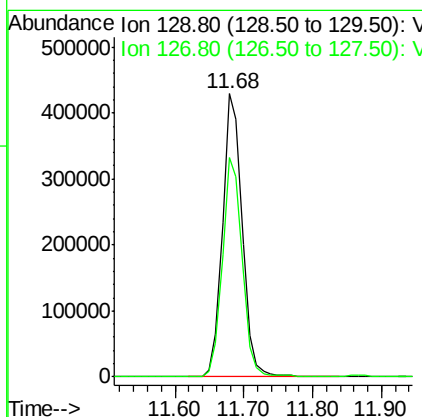
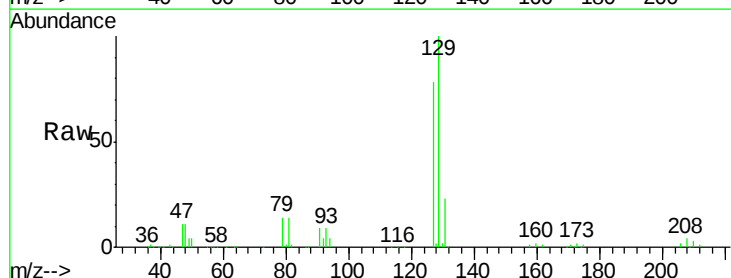
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

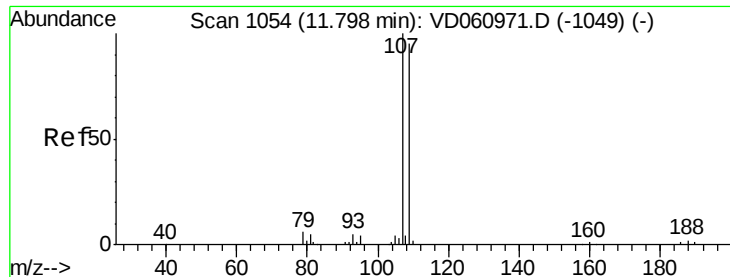
Tgt Ion: 43 Resp: 1429538
Ion Ratio Lower Upper
43 100
58 54.3 26.5 79.5



#60
Dibromochloromethane
Concen: 86.071 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 129 Resp: 848681
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9

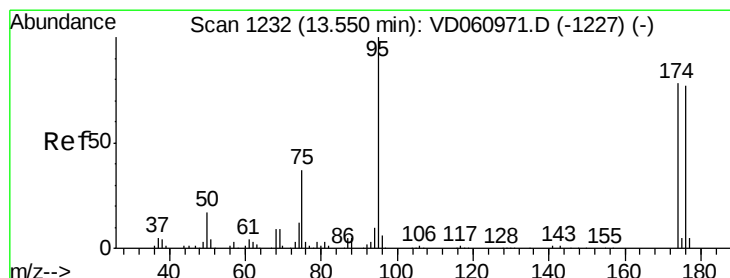
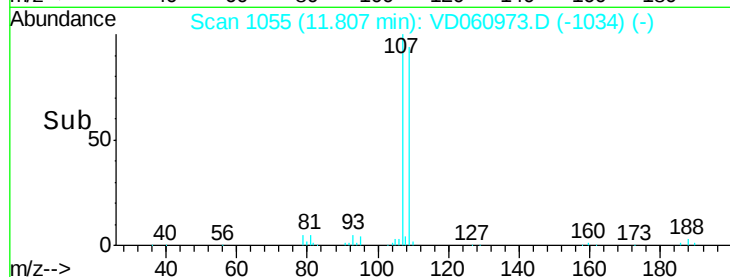
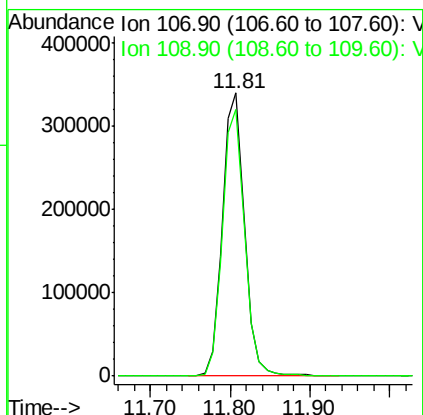
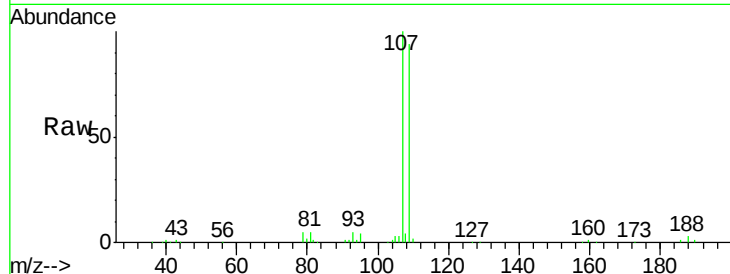




#61
 1,2-Dibromoethane
 Concen: 83.059 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

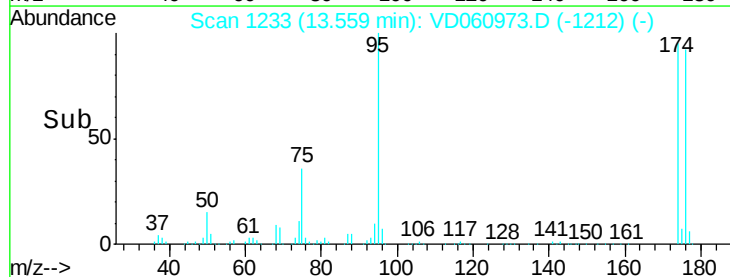
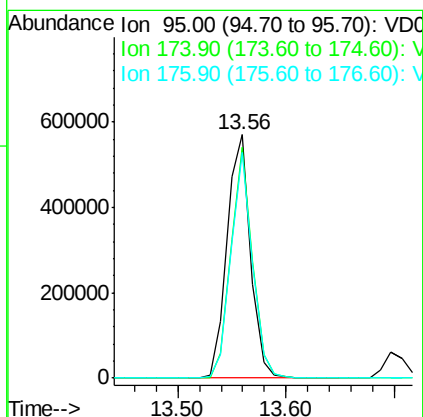
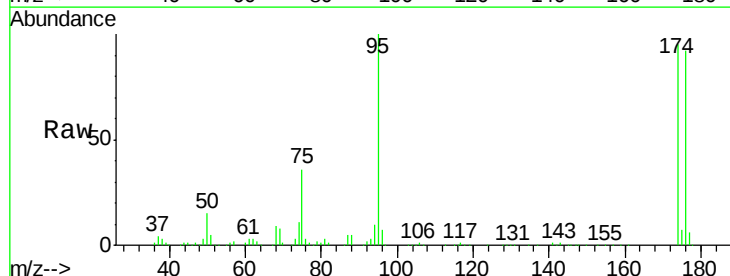
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

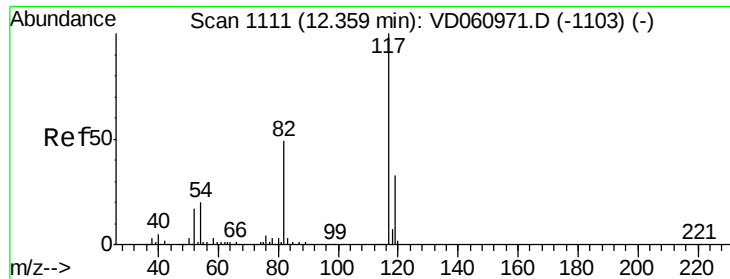
Tgt Ion: 107 Resp: 666089
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 83.059 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 95 Resp: 860010
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 155.6
 176 92.5 0.0 153.8

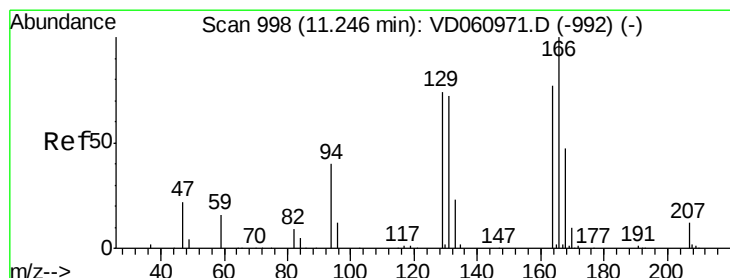
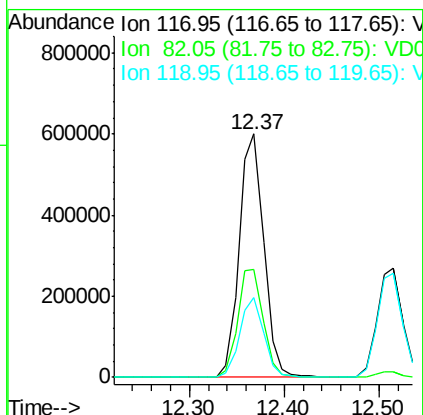
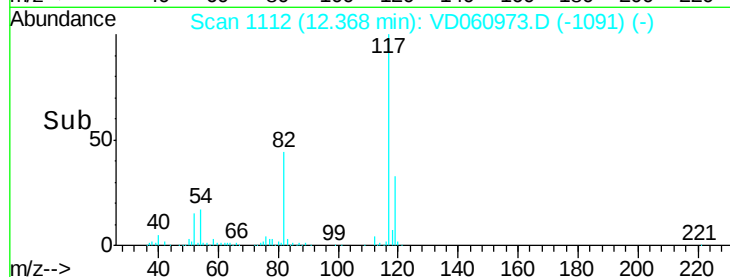
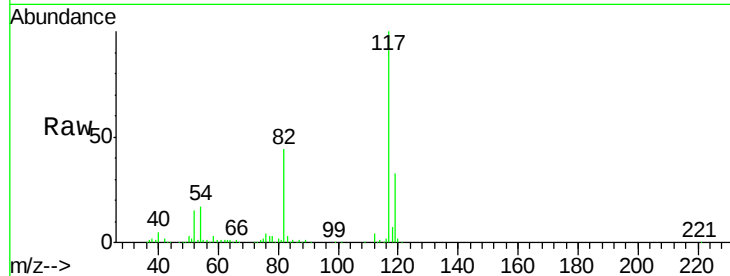




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

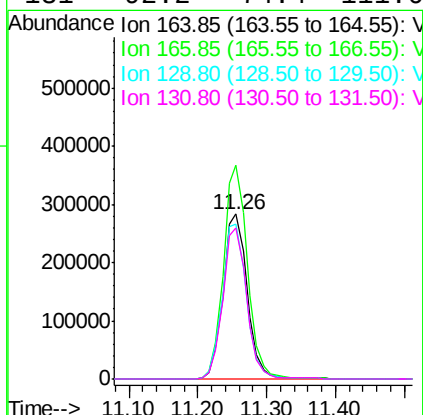
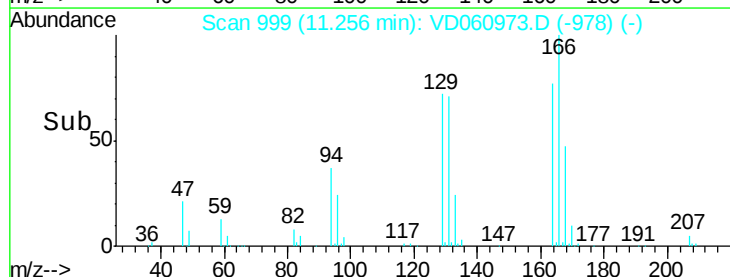
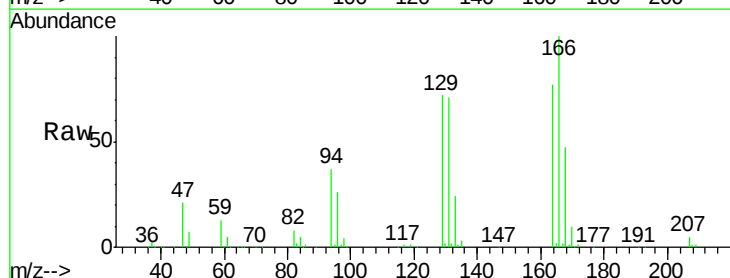
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

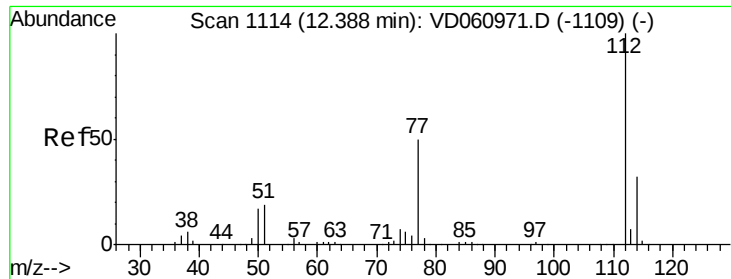
Tgt Ion:117 Resp: 1081868
Ion Ratio Lower Upper
117 100
82 44.5 38.9 58.3
119 33.0 26.6 39.8



#64
Tetrachloroethene
Concen: 83.848 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion:164 Resp: 685827
Ion Ratio Lower Upper
164 100
166 129.7 103.4 155.0
129 93.8 76.9 115.3
131 92.2 74.4 111.6





#65

Chlorobenzene

Concen: 86.454 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

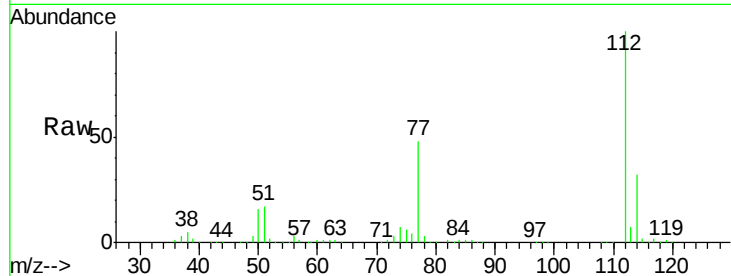
VSTDIC100

Tgt Ion:112 Resp: 2048358

Ion Ratio Lower Upper

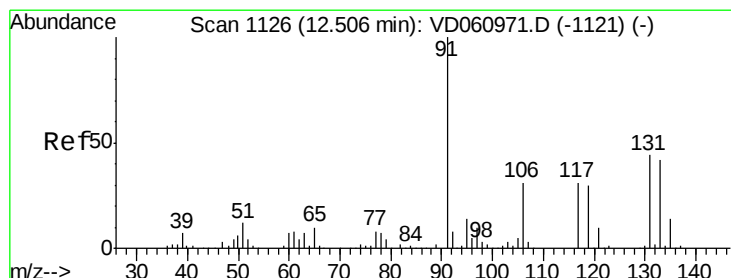
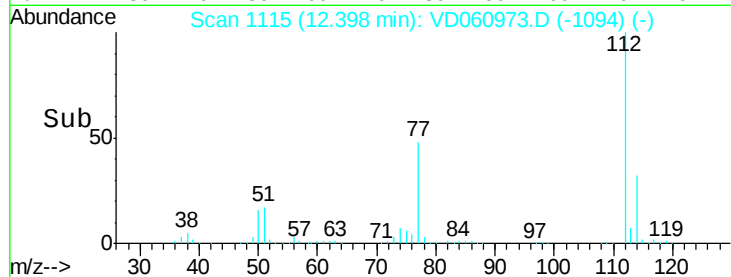
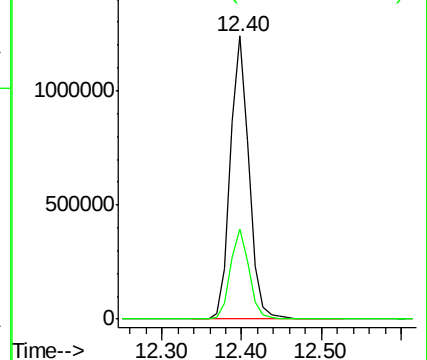
112 100

114 31.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 80.956 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

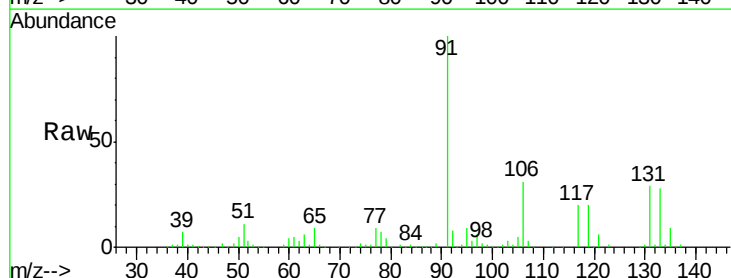
Tgt Ion:131 Resp: 693853

Ion Ratio Lower Upper

131 100

133 97.3 47.8 143.3

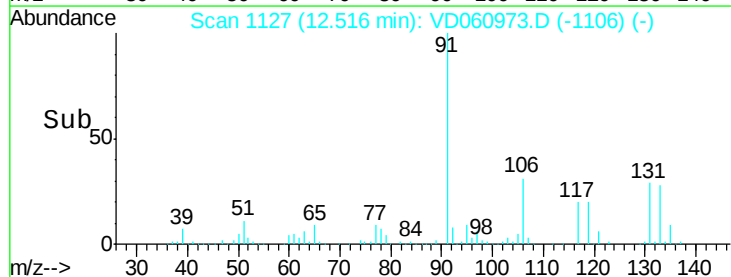
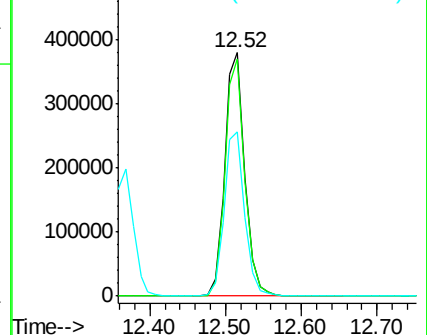
119 67.6 34.3 102.9

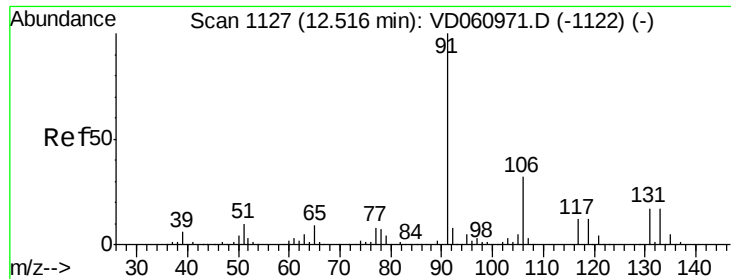


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

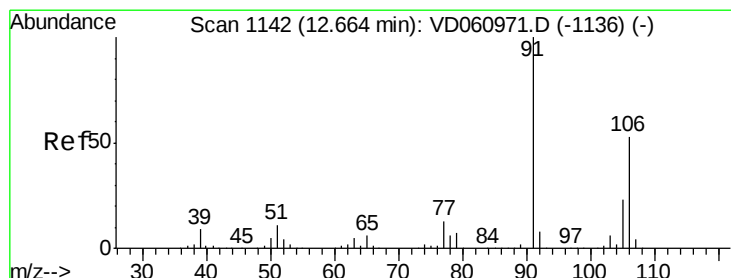
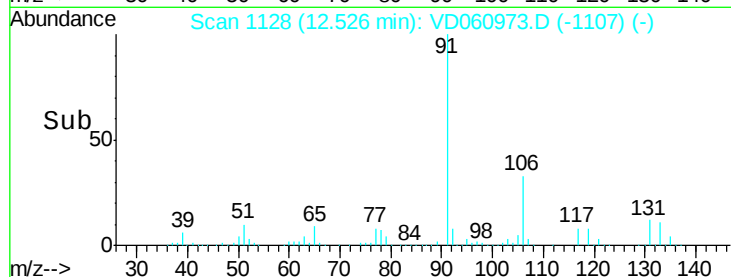
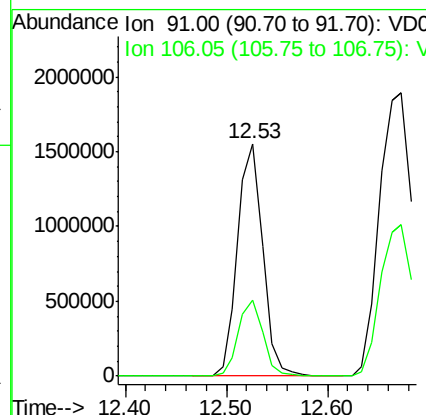
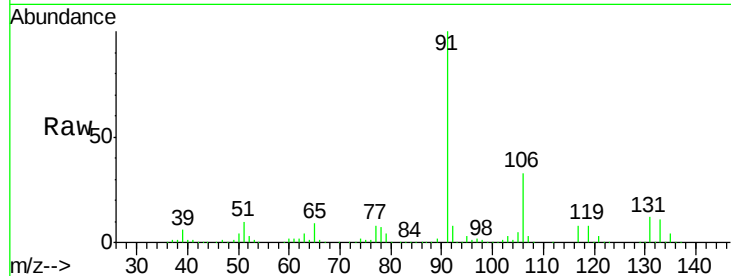




#67
Ethyl Benzene
Concen: 77.829 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

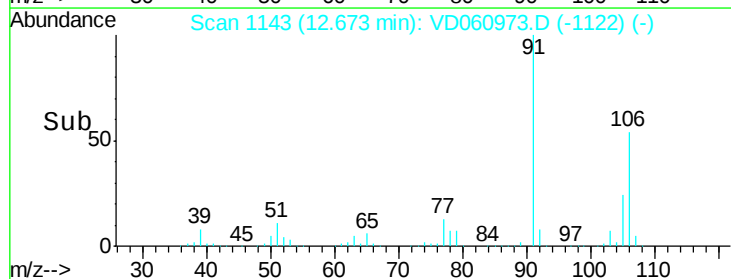
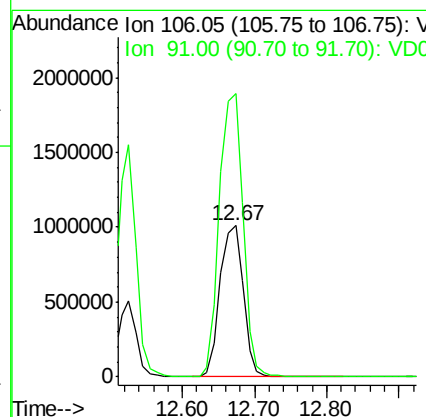
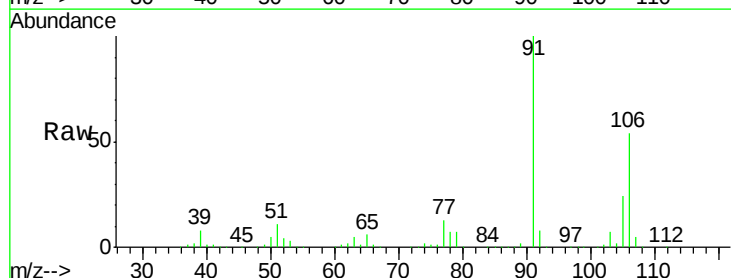
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

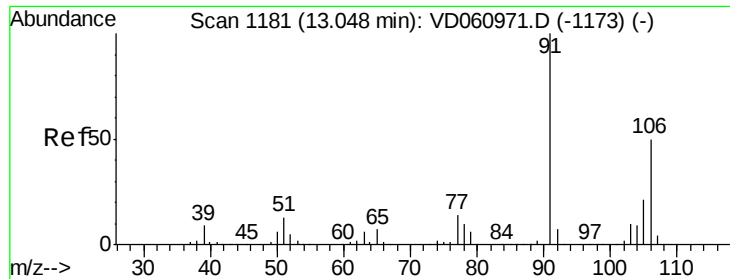
Tgt Ion: 91 Resp: 2697941
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5



#68
m/p-Xylenes
Concen: 161.434 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 106 Resp: 2244161
Ion Ratio Lower Upper
106 100
91 186.8 152.0 228.0

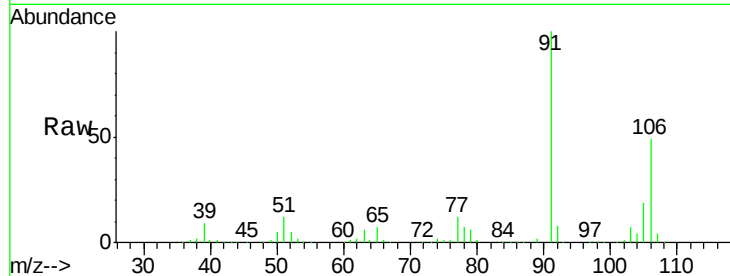




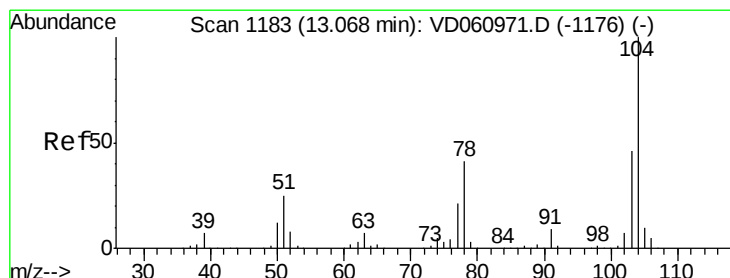
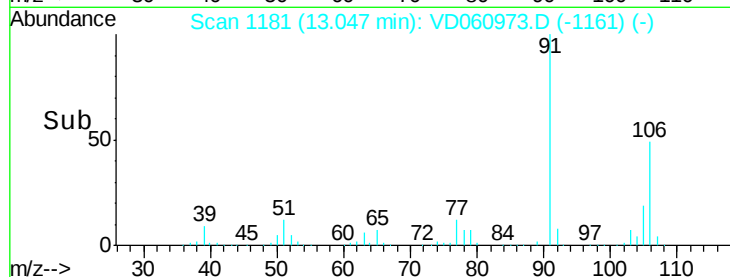
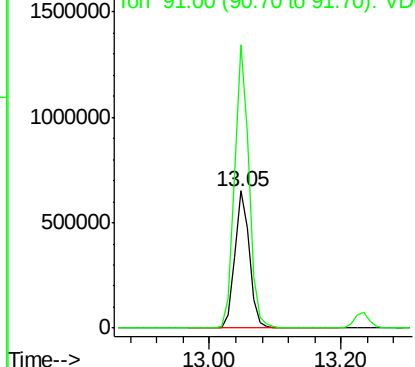
#69
o-Xylene
Concen: 78.592 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1016022
Ion Ratio Lower Upper
106 100
91 206.0 99.8 299.3

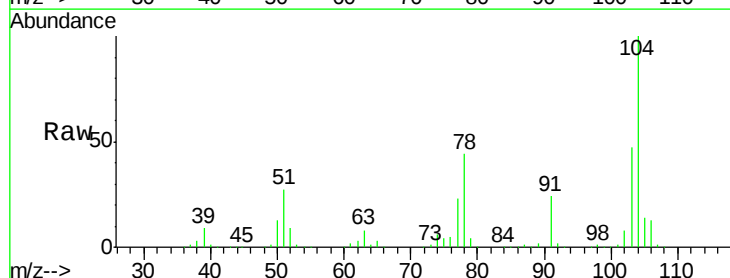


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

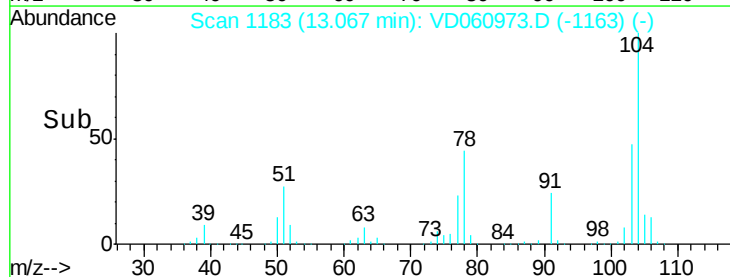
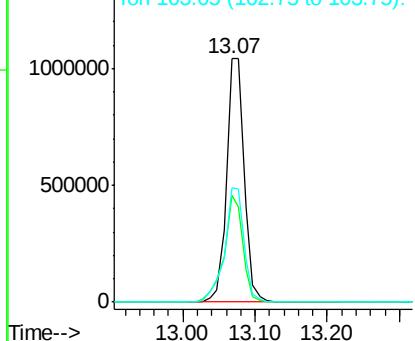


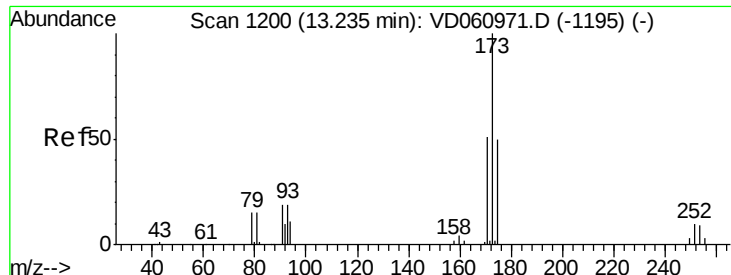
#70
Styrene
Concen: 81.751 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion:104 Resp: 1763998
Ion Ratio Lower Upper
104 100
78 43.7 33.0 49.4
103 46.9 37.1 55.7



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





#71

Bromoform

Concen: 88.705 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

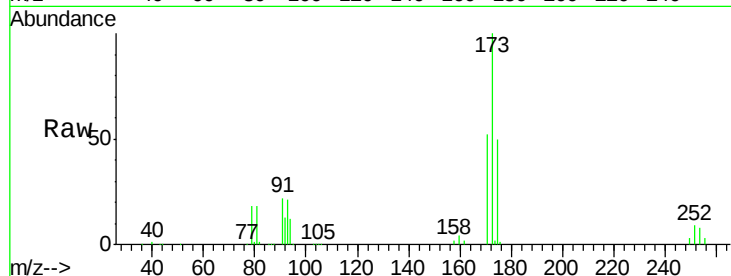
Tgt Ion:173 Resp: 478468

Ion Ratio Lower Upper

173 100

175 50.4 24.9 74.8

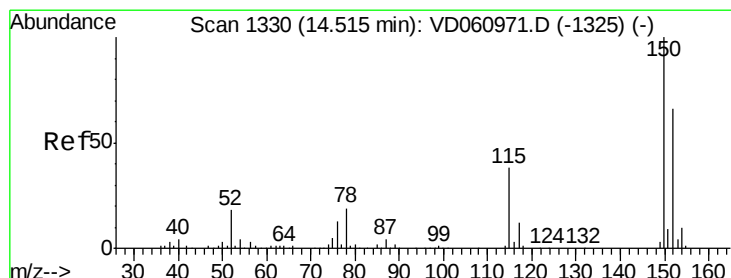
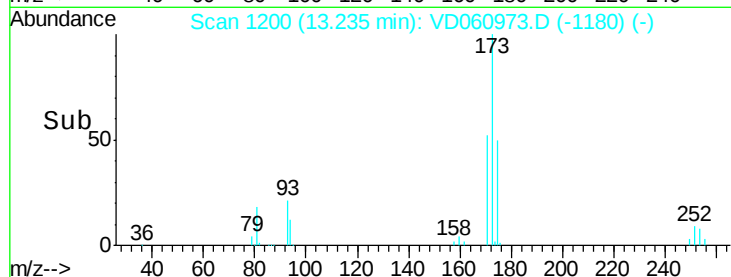
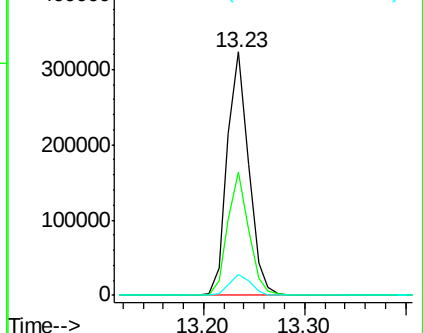
254 8.4 7.3 10.9



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. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

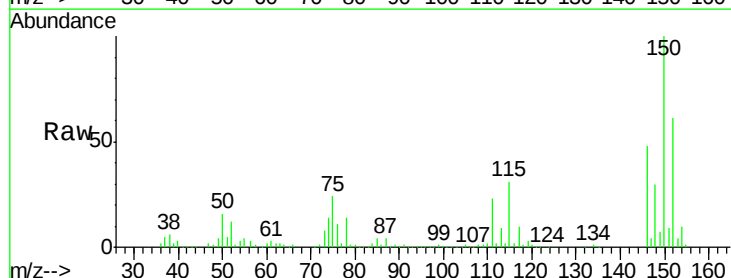
Tgt Ion:152 Resp: 437897

Ion Ratio Lower Upper

152 100

115 50.0 28.6 85.9

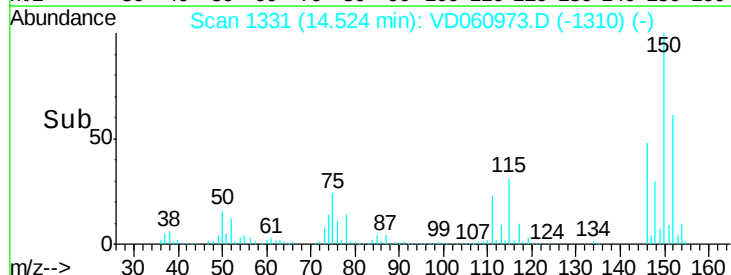
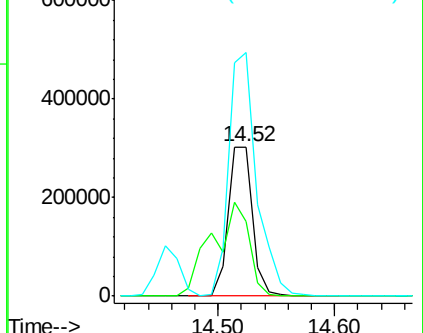
150 163.1 0.0 310.6

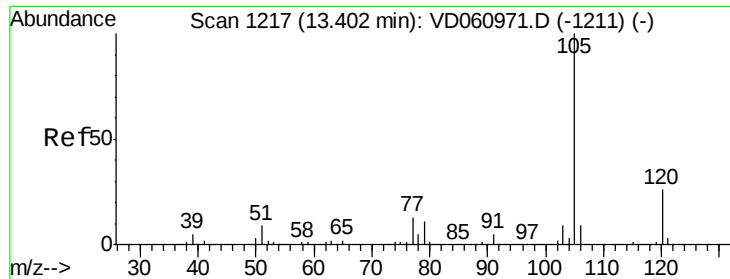


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 89.411 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

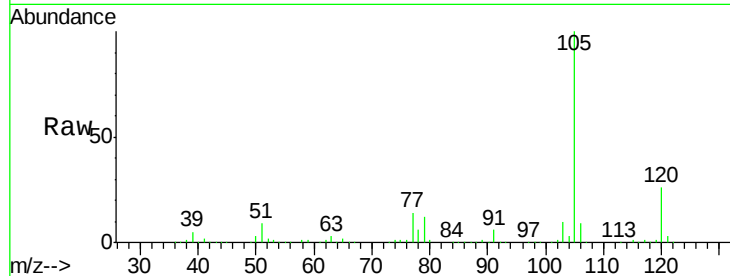
VSTDIC100

Tgt Ion:105 Resp: 2992394

Ion Ratio Lower Upper

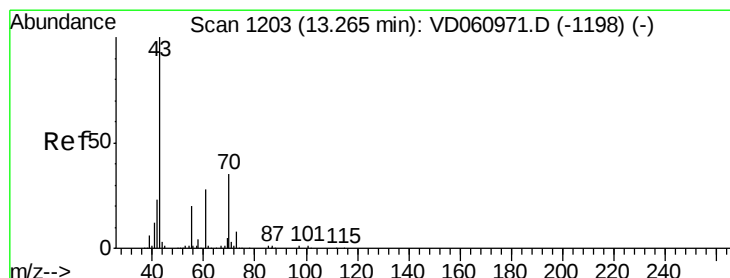
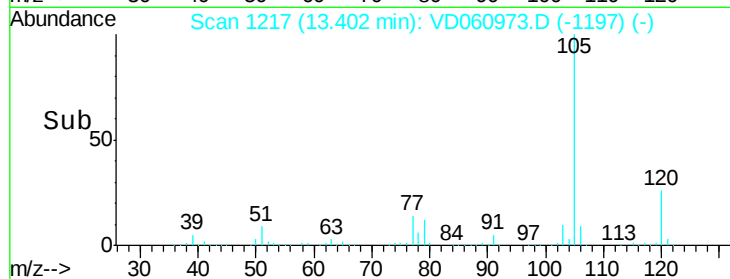
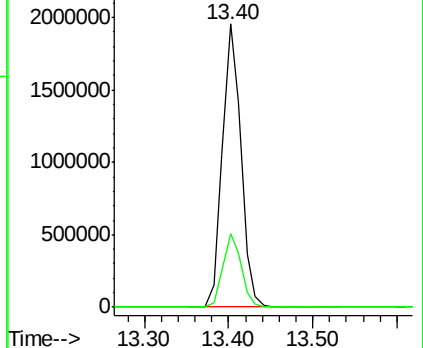
105 100

120 25.8 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 84.333 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Tgt Ion: 43 Resp: 853204

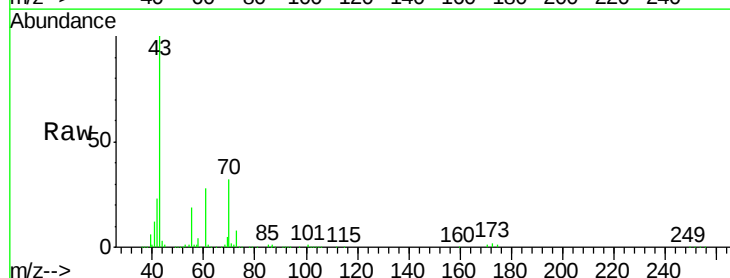
Ion Ratio Lower Upper

43 100

70 32.4 27.7 41.5

55 19.3 16.2 24.2

61 27.8 22.3 33.5

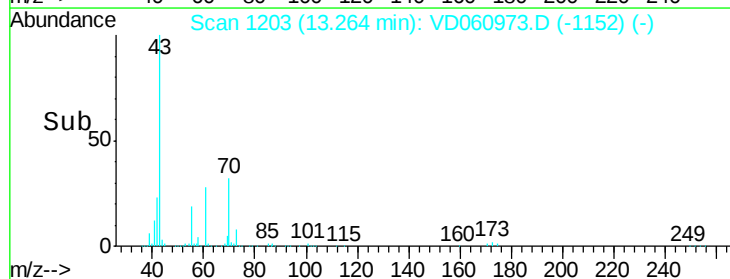
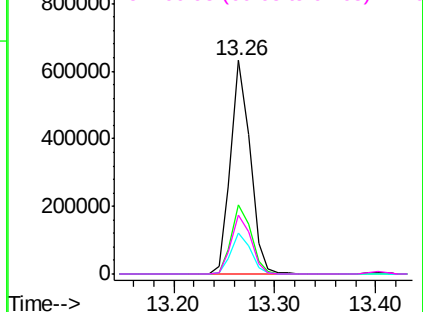


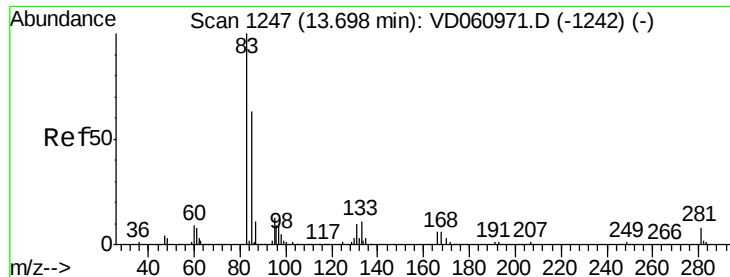
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 89.621 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

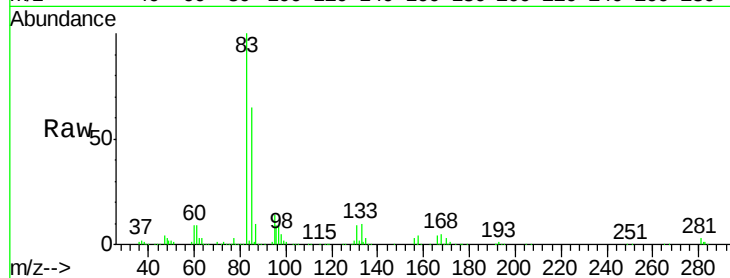
Tgt Ion: 83 Resp: 622436

Ion Ratio Lower Upper

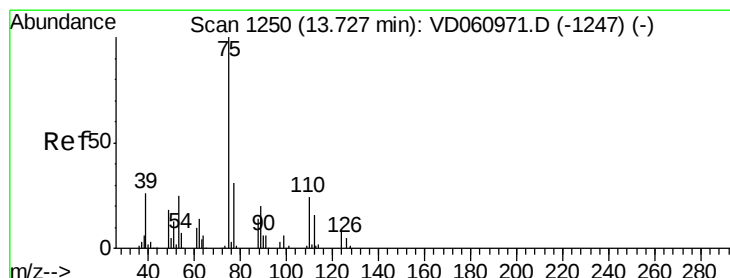
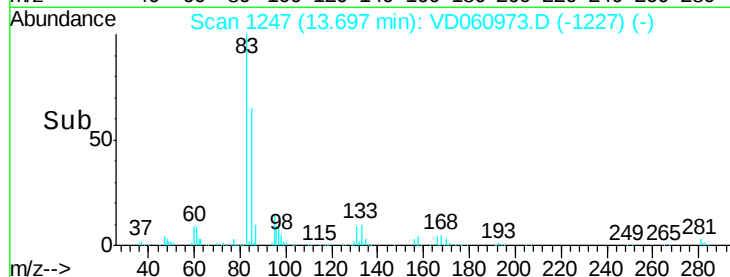
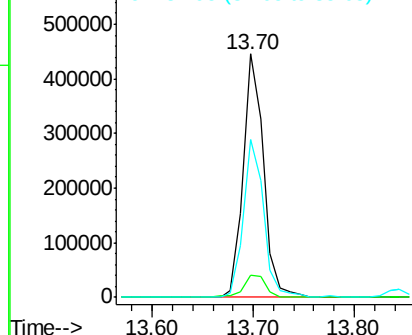
83 100

131 9.2 5.1 15.3

85 64.8 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 86.650 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060973.D

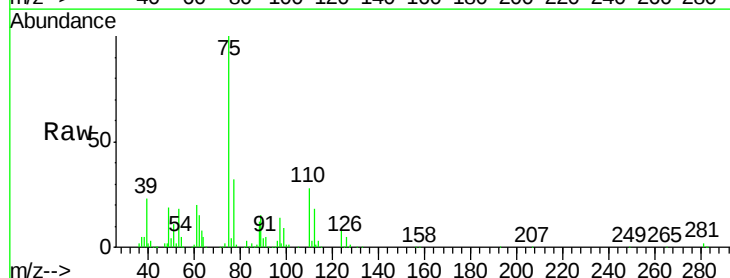
Acq: 7 Mar 2019 17:26

Tgt Ion: 75 Resp: 611636

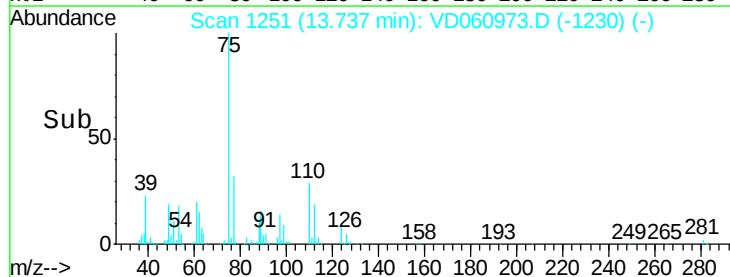
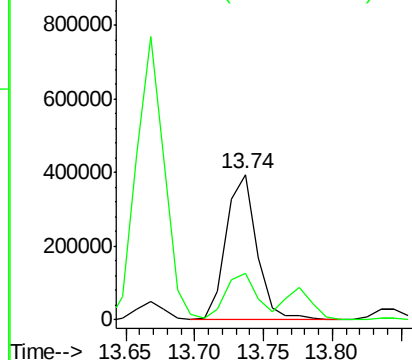
Ion Ratio Lower Upper

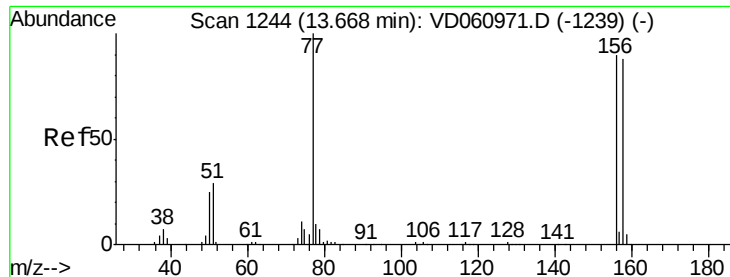
75 100

77 32.2 16.6 49.7



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





#77

Bromobenzene

Concen: 97.531 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

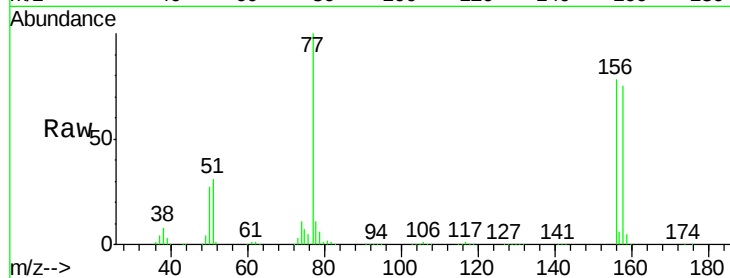
Tgt Ion:156 Resp: 857796

Ion Ratio Lower Upper

156 100

77 128.7 55.5 166.7

158 96.0 49.0 147.0

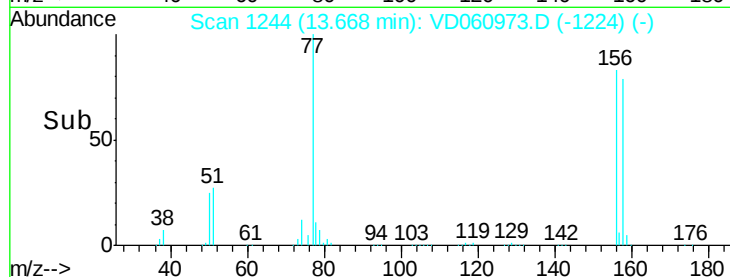


Abundance Ion 155.90 (155.60 to 156.60): V

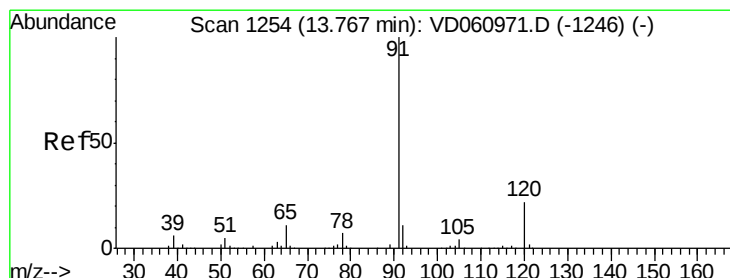
Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 85.727 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060973.D

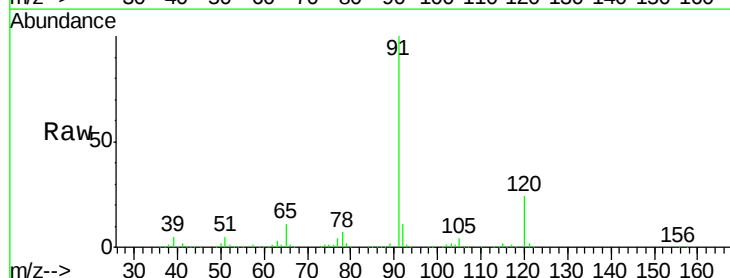
Acq: 7 Mar 2019 17:26

Tgt Ion: 91 Resp: 3349140

Ion Ratio Lower Upper

91 100

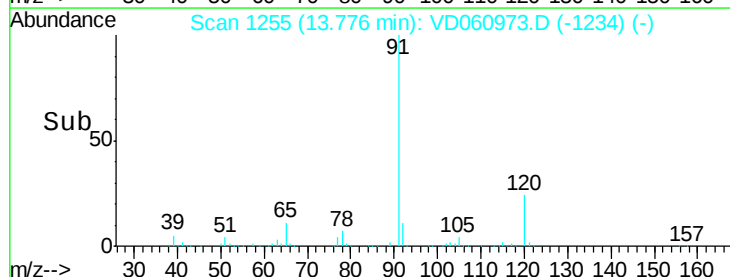
120 23.8 10.8 32.3



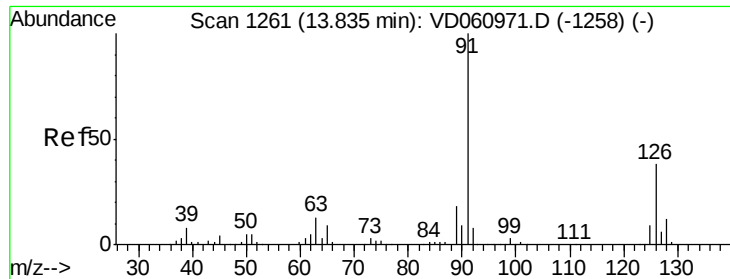
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

Time-->



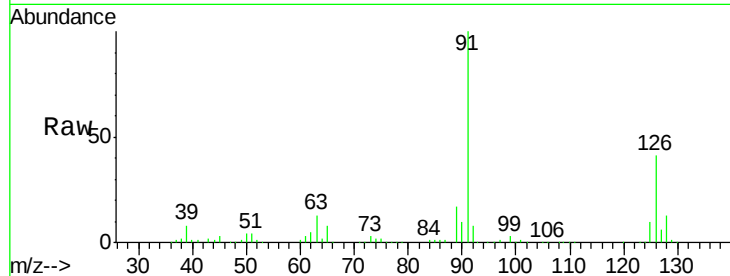
Time-->



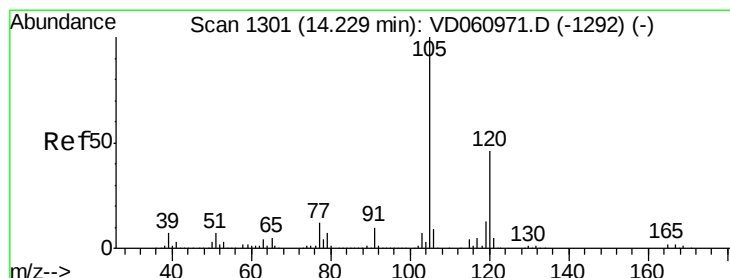
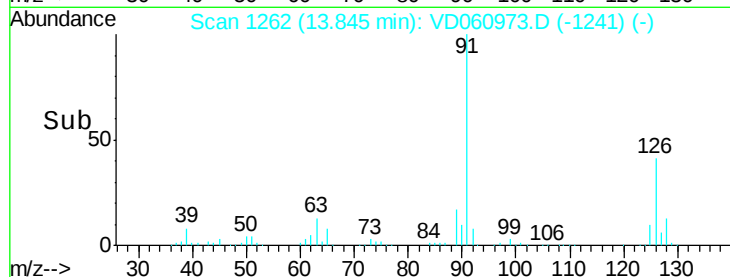
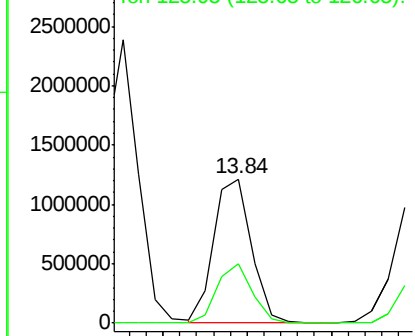
#79
 2-Chlorotoluene
 Concen: 85.963 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 91 Resp: 1879747
 Ion Ratio Lower Upper
 91 100
 126 41.4 18.6 55.6

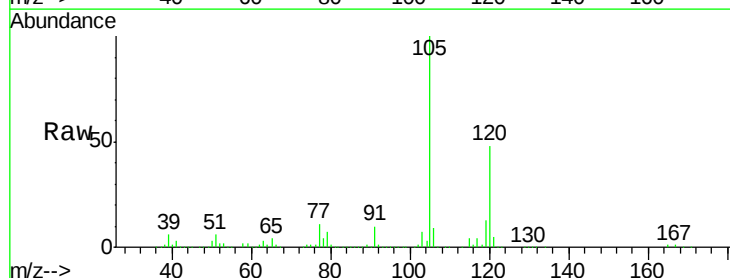


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

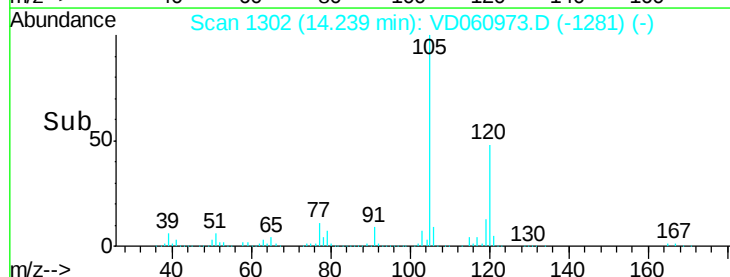
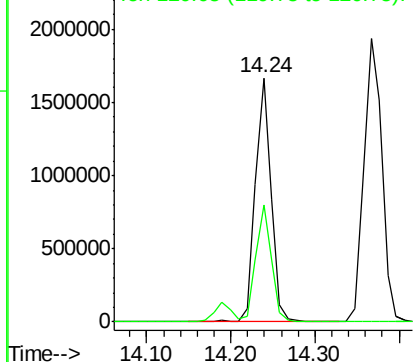


#80
 1,3,5-Trimethylbenzene
 Concen: 84.677 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 105 Resp: 2189674
 Ion Ratio Lower Upper
 105 100
 120 48.2 22.9 68.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 93.303 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

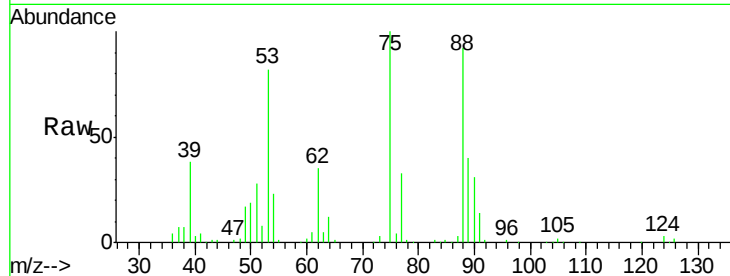
Tgt Ion: 75 Resp: 194143

Ion Ratio Lower Upper

75 100

53 82.0 64.4 96.6

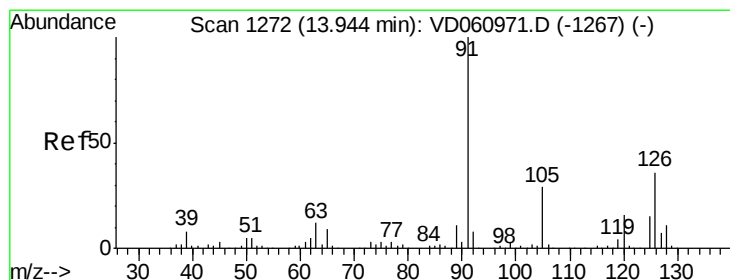
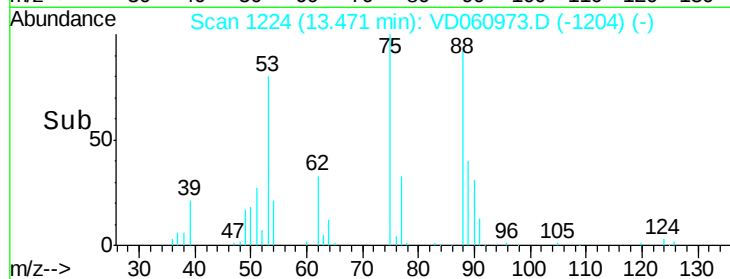
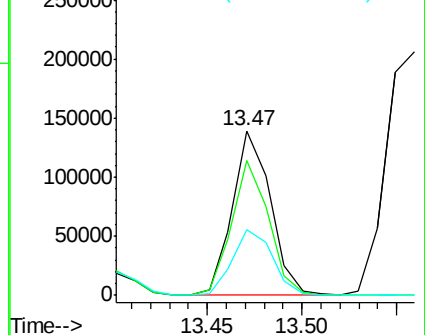
89 40.1 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 68.671 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD060973.D

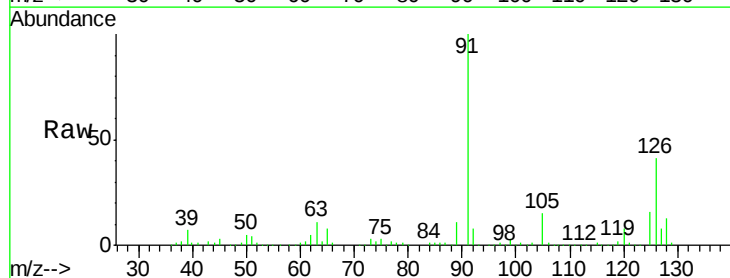
Acq: 7 Mar 2019 17:26

Tgt Ion: 91 Resp: 1686429

Ion Ratio Lower Upper

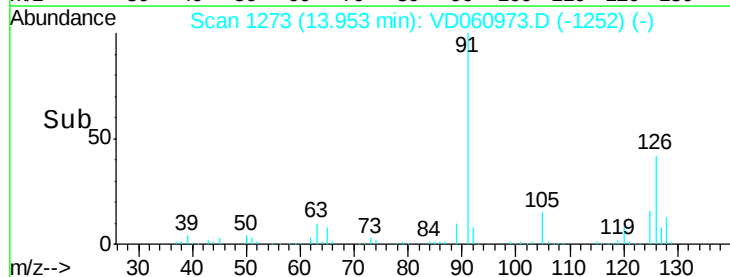
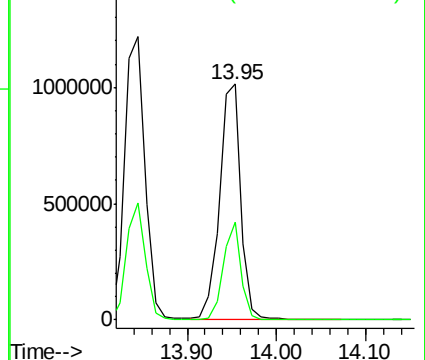
91 100

126 41.4 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

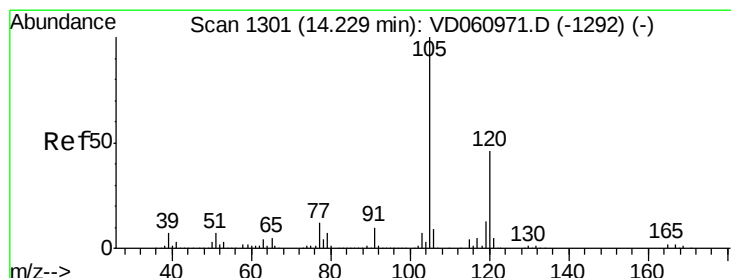
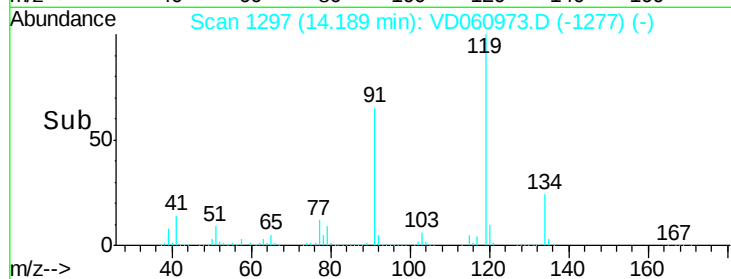
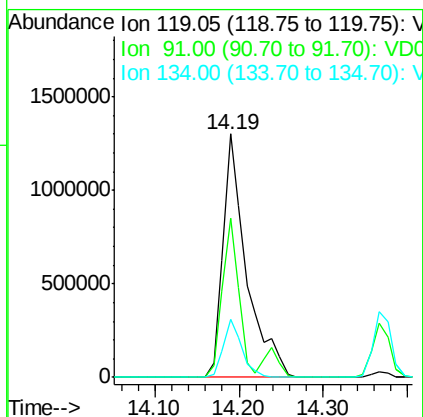
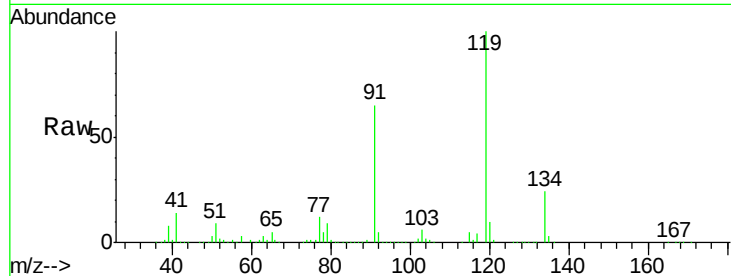




#83
 tert-Butylbenzene
 Concen: 88.142 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

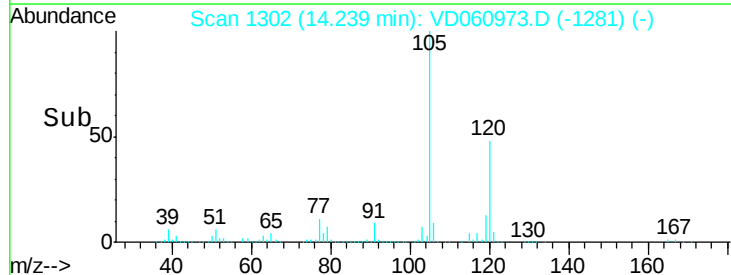
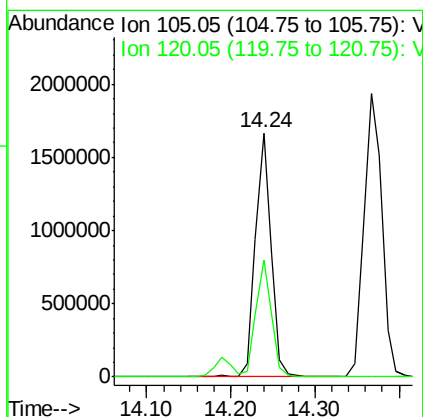
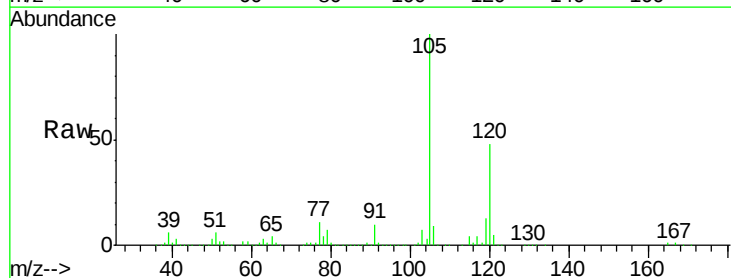
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

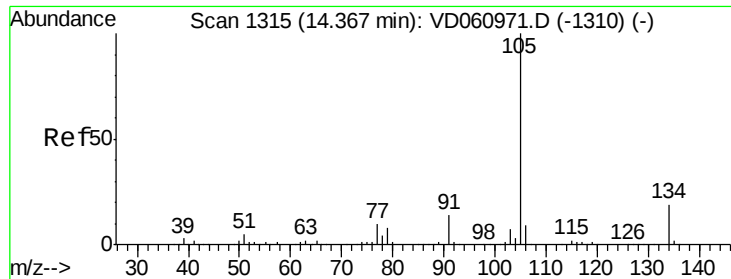
Tgt Ion:119 Resp: 2537336
 Ion Ratio Lower Upper
 119 100
 91 65.2 30.1 90.3
 134 23.6 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 84.677 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion:105 Resp: 2189674
 Ion Ratio Lower Upper
 105 100
 120 48.2 22.9 68.5

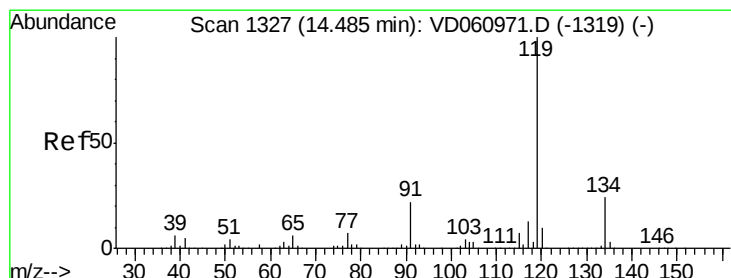
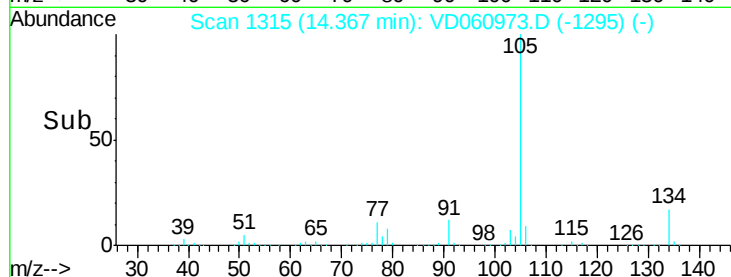
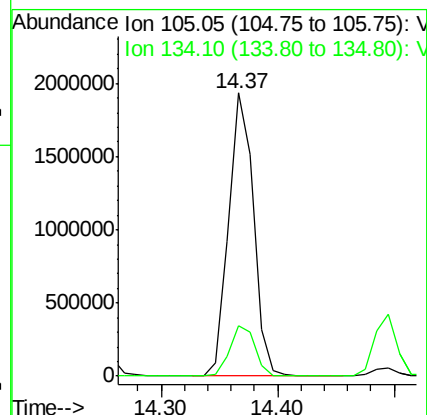
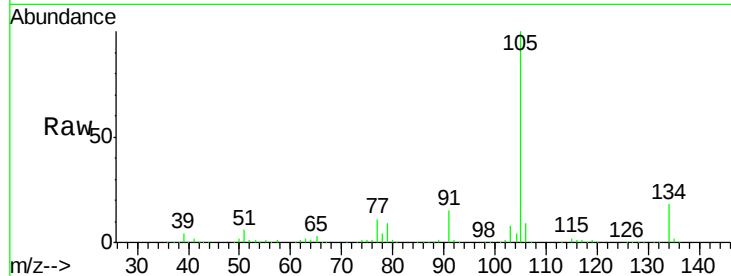




#85
 sec-Butylbenzene
 Concen: 84.975 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

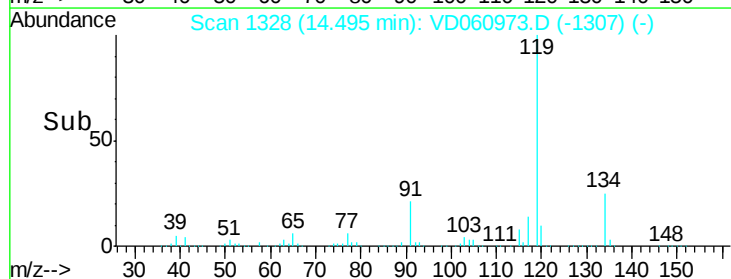
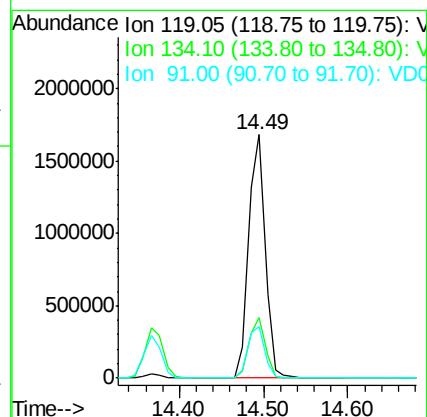
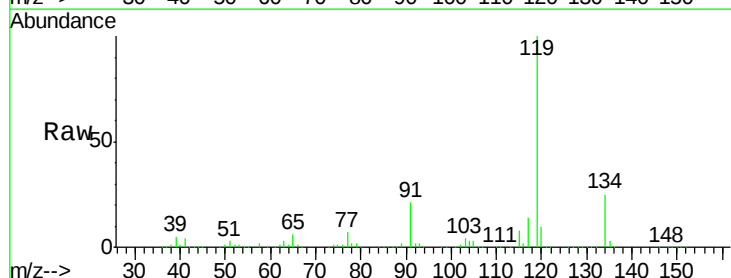
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

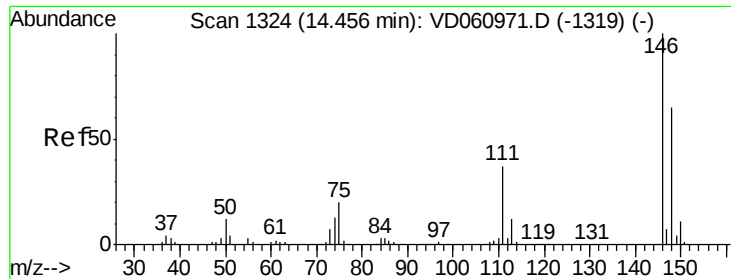
Tgt Ion:105 Resp: 2854545
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 82.955 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion:119 Resp: 2295789
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.0 36.1
 91 21.2 11.2 33.6

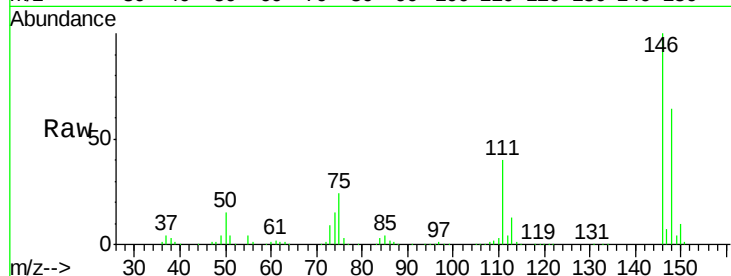




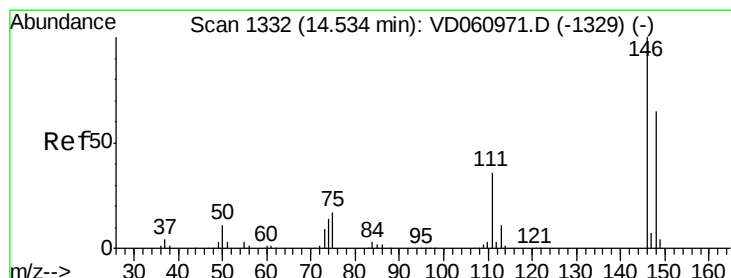
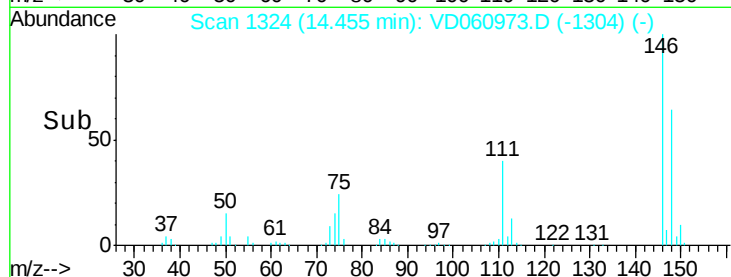
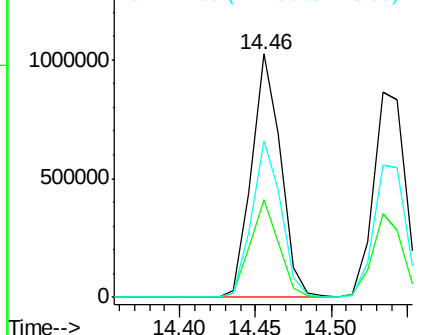
#87
 1,3-Dichlorobenzene
 Concen: 92.223 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1378661
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.4 55.4
 148 64.2 32.5 97.4

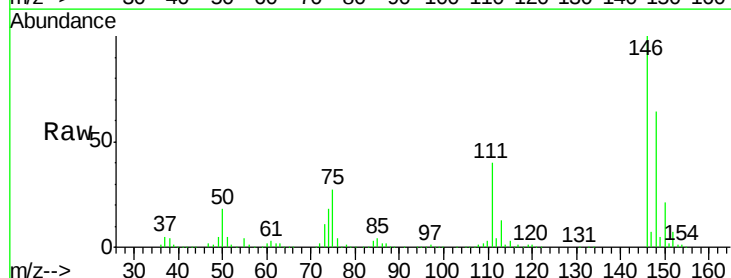


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

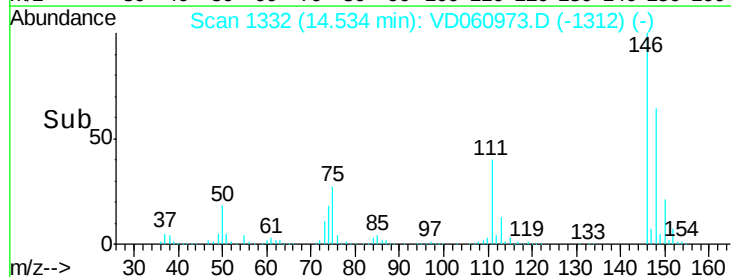
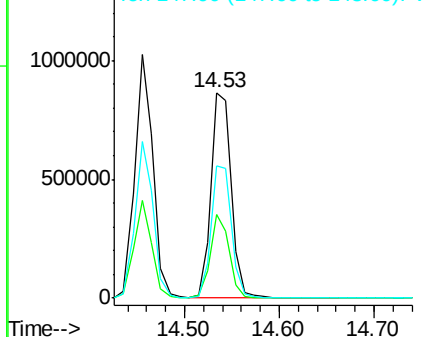


#88
 1,4-Dichlorobenzene
 Concen: 87.277 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion:146 Resp: 1291116
 Ion Ratio Lower Upper
 146 100
 111 40.5 18.4 55.2
 148 64.5 32.5 97.5



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





#89

n-Butylbenzene

Concen: 75.031 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

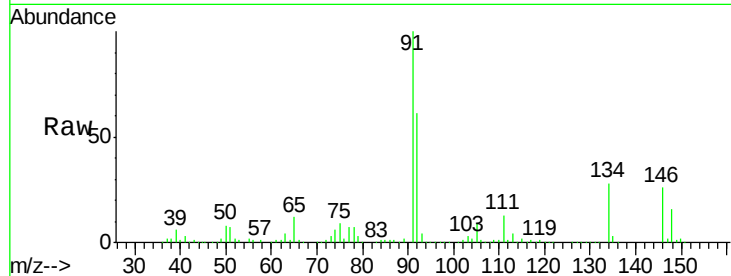
Tgt Ion: 91 Resp: 1943398

Ion Ratio Lower Upper

91 100

92 60.9 30.6 91.8

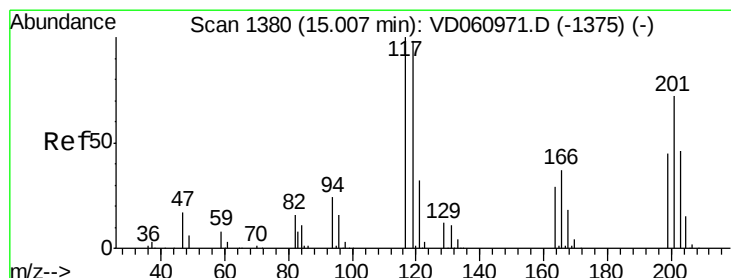
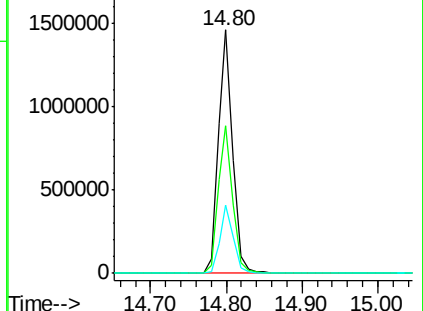
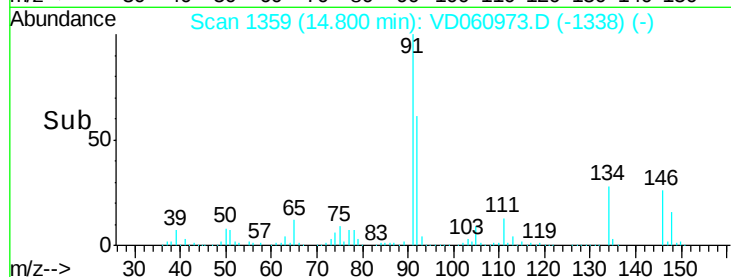
134 27.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 94.345 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060973.D

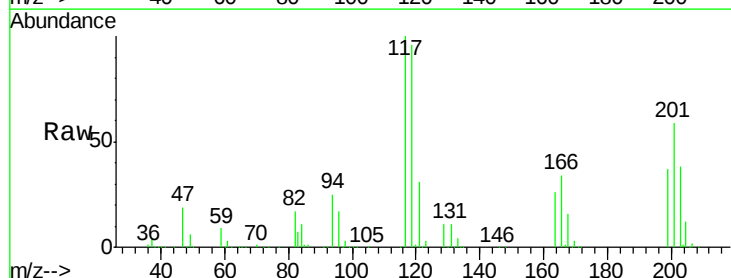
Acq: 7 Mar 2019 17:26

Tgt Ion: 117 Resp: 752808

Ion Ratio Lower Upper

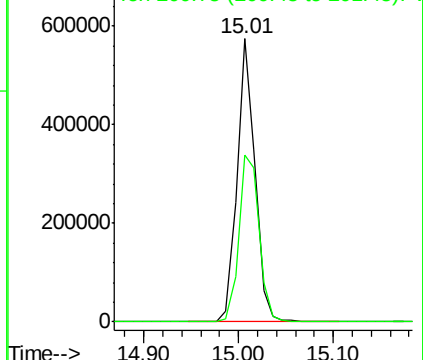
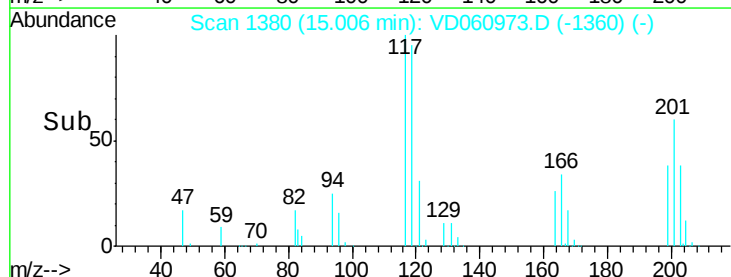
117 100

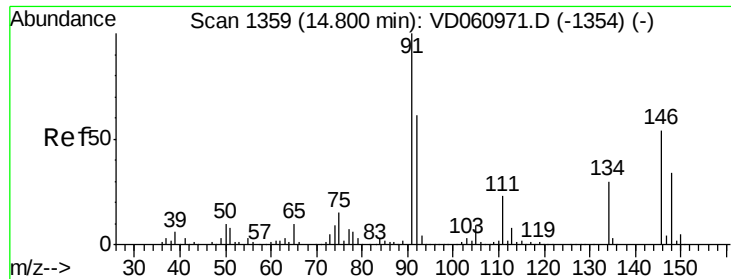
201 59.0 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

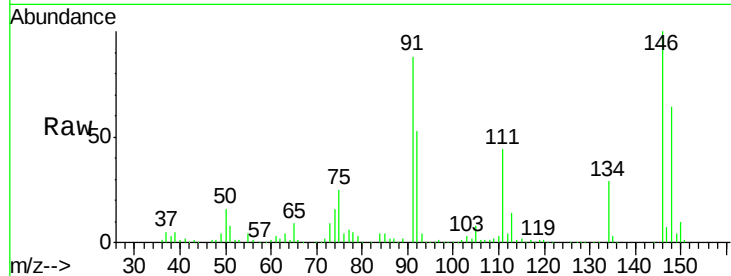




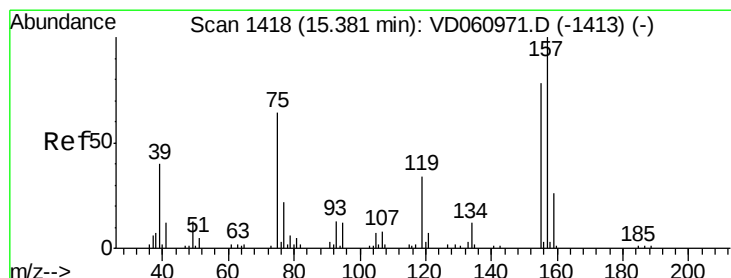
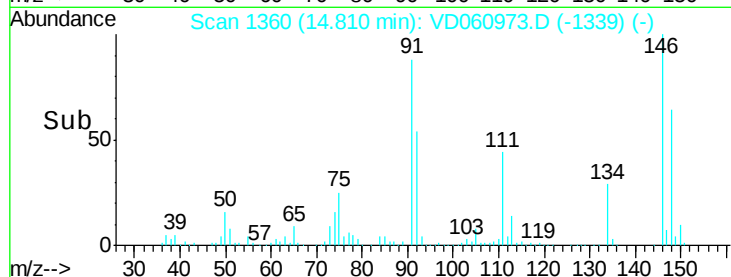
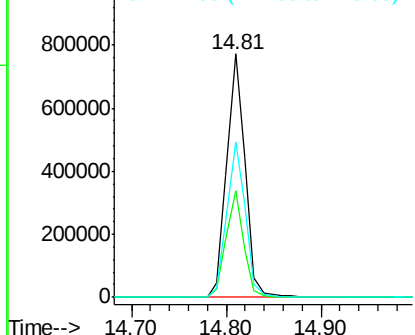
#91
 1,2-Dichlorobenzene
 Concen: 78.993 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1030040
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.5 64.5
 148 63.8 30.9 92.8

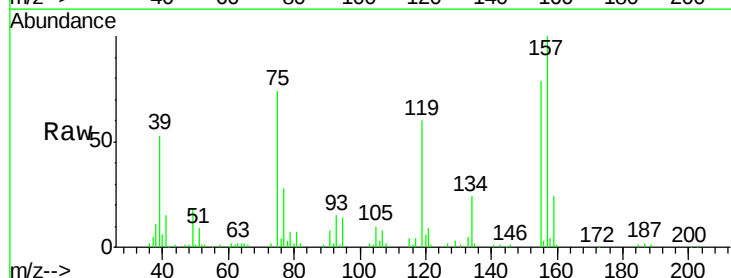


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

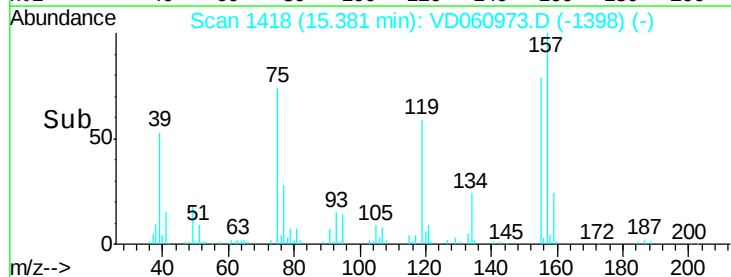
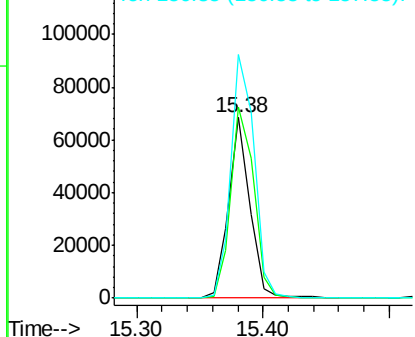


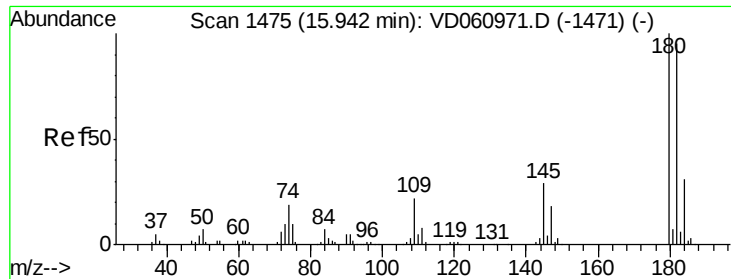
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.125 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 75 Resp: 80057
 Ion Ratio Lower Upper
 75 100
 155 106.0 61.2 183.5
 157 134.7 78.3 234.8



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

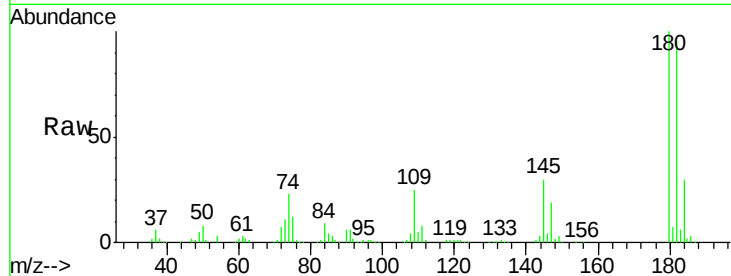




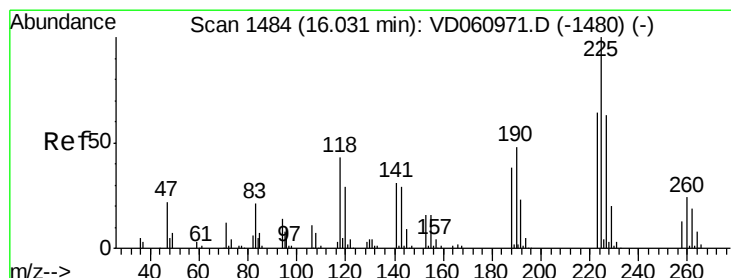
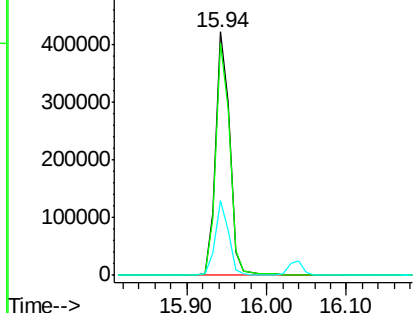
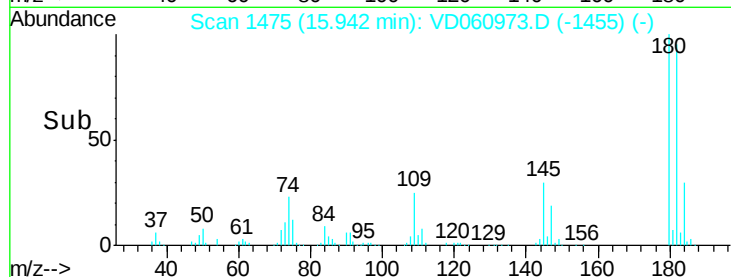
#93
 1,2,4-Trichlorobenzene
 Concen: 72.399 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tgt Ion:180 Resp: 532438
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.3 142.0
 145 30.5 14.4 43.0

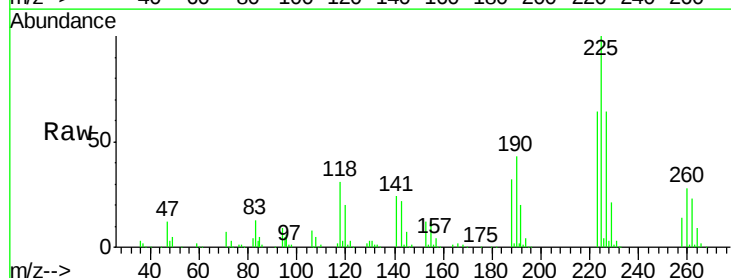


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

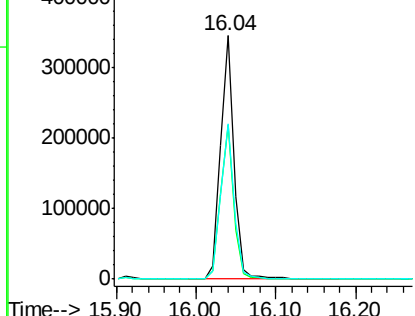
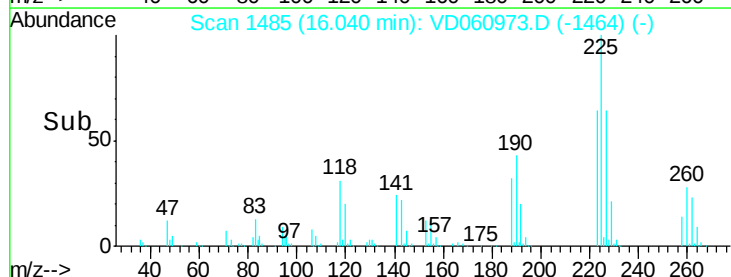


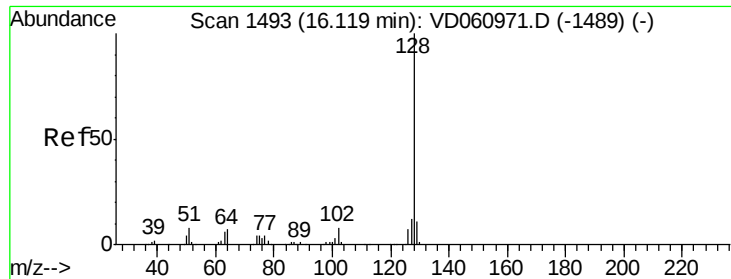
#94
 Hexachlorobutadiene
 Concen: 88.100 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion:225 Resp: 414159
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.8 95.3
 227 64.0 31.4 94.0



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

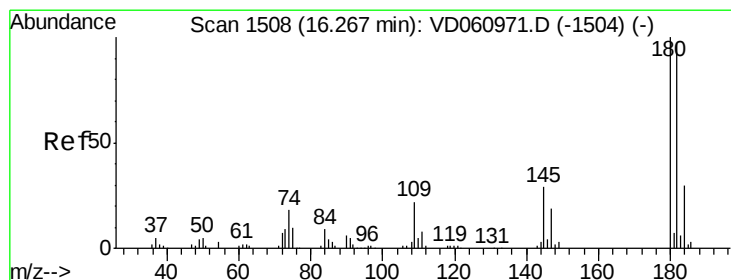
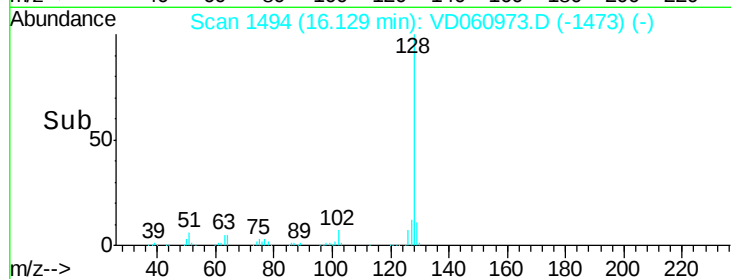
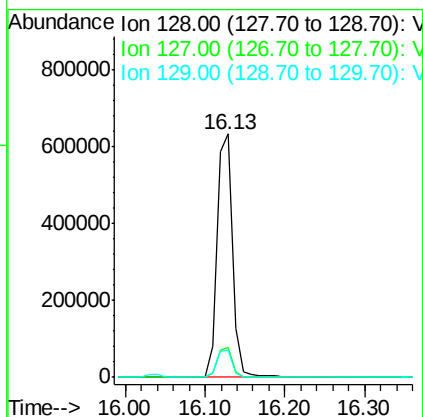
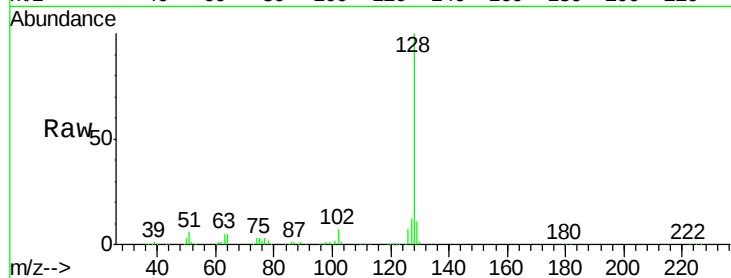




#95
Naphthalene
Concen: 76.834 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 873076
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 73.671 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion:180 Resp: 293897
Ion Ratio Lower Upper
180 100
182 94.2 48.6 145.8
145 34.5 14.3 42.9

