

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100118\
 Data File : VD060104.D
 Acq On : 1 Oct 2018 18:46
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 02 02:13:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1553182	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.42	114	2172436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1726995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	898811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	1146635	94.82	ug/l	0.00
Spiked Amount						
			Recovery	=	189.64%	
35) Dibromofluoromethane	6.30	113	1613425	94.87	ug/l	0.00
Spiked Amount						
			Recovery	=	189.74%	
50) Toluene-d8	9.43	98	4516526	94.96	ug/l	0.00
Spiked Amount						
			Recovery	=	189.92%	
62) 4-Bromofluorobenzene	12.42	95	1678491	93.33	ug/l	0.00
Spiked Amount						
			Recovery	=	186.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	1135233	70.696	ug/l	99
3) Chloromethane	1.73	50	1353134	94.158	ug/l	98
4) Vinyl Chloride	1.83	62	1091654	94.631	ug/l	100
5) Bromomethane	2.10	94	97259	72.652	ug/l	99
6) Chloroethane	2.21	64	250409	97.629	ug/l	100
7) Trichlorofluoromethane	2.47	101	1245722	98.152	ug/l	100
8) Diethyl Ether	2.79	74	264859	98.051	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.05	101	762835	95.706	ug/l	99
10) Methyl Iodide	3.21	142	942623	110.829	ug/l	99
11) Tert butyl alcohol	3.94	59	433197	450.920	ug/l	96
12) 1,1-Dichloroethene	3.03	96	609014	96.491	ug/l	99
13) Acrolein	2.95	56	231953	390.813	ug/l	99
14) Allyl chloride	3.49	41	1297562	97.728	ug/l	99
15) Acrylonitrile	4.05	53	1625757	446.481	ug/l	99
16) Acetone	3.13	43	931372	405.752	ug/l	98
17) Carbon Disulfide	3.27	76	2148750	99.028	ug/l	100
18) Methyl Acetate	3.52	43	443311	93.782	ug/l	100
19) Methyl tert-butyl Ether	4.08	73	2647680	90.897	ug/l	99
20) Methylene Chloride	3.68	84	1622049	82.863	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	1564574	94.333	ug/l	99
22) Diisopropyl ether	4.82	45	5641263	93.578	ug/l	99
23) Vinyl Acetate	4.78	43	14582503	426.244	ug/l	99
24) 1,1-Dichloroethane	4.72	63	2603237	95.647	ug/l	99
25) 2-Butanone	5.59	43	2530588	408.636	ug/l	98
26) 2,2-Dichloropropane	5.55	77	1872145	88.879	ug/l	99
27) cis-1,2-Dichloroethene	5.56	96	1681994	97.025	ug/l	96
28) Bromochloromethane	5.89	49	1276902	96.528	ug/l	89
29) Tetrahydrofuran	5.92	42	1442960	434.480	ug/l	98
30) Chloroform	6.07	83	2611148	94.999	ug/l	99
31) Cyclohexane	6.33	56	2322230	88.137	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	2135892	94.010	ug/l	99
36) 1,1-Dichloropropene	6.49	75	1936937	91.128	ug/l	100
37) Ethyl Acetate	5.67	43	1306185	88.999	ug/l	98
38) Carbon Tetrachloride	6.47	117	1805723	91.484	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100118\
 Data File : VD060104.D
 Acq On : 1 Oct 2018 18:46
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 02 02:13:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	2250645	93.327	ug/l	99
40) Benzene	6.77	78	5032539	92.777	ug/l	100
41) Methacrylonitrile	5.92	41	1449077	185.567	ug/l #	90
42) 1,2-Dichloroethane	6.87	62	1503414	92.412	ug/l	100
43) Isopropyl Acetate	8.32	43	1760035	90.503	ug/l	99
44) Trichloroethene	7.71	130	1640834	97.391	ug/l	98
45) 1,2-Dichloropropane	8.08	63	1394809	96.064	ug/l	99
46) Dibromomethane	8.19	93	899967	95.360	ug/l	90
47) Bromodichloromethane	8.47	83	1921101	94.163	ug/l	99
48) Methyl methacrylate	8.22	41	1019298	94.017	ug/l	97
49) 1,4-Dioxane	8.20	88	203886	1889.763	ug/l	97
51) 4-Methyl-2-Pentanone	9.33	43	5339939	400.261	ug/l	99
52) Toluene	9.53	92	3285553	93.848	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	1776110	93.221	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	2139051	94.093	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	1078846	88.851	ug/l	99
56) Ethyl methacrylate	10.02	69	1253583	93.659	ug/l	99
57) 1,3-Dichloropropane	10.37	76	1703953	95.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	3137376	475.349	ug/l	100
59) 2-Hexanone	10.48	43	3776096	392.236	ug/l	97
60) Dibromochloromethane	10.63	129	1423188	97.148	ug/l	97
61) 1,2-Dibromoethane	10.74	107	1216528	97.066	ug/l	98
64) Tetrachloroethene	10.23	164	1461440	97.159	ug/l	98
65) Chlorobenzene	11.30	112	3540685	96.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	1172057	94.866	ug/l	99
67) Ethyl Benzene	11.42	91	5280431	89.553	ug/l	97
68) m/p-Xylenes	11.55	106	3881069	178.711	ug/l	98
69) o-Xylene	11.92	106	2035153	93.969	ug/l	99
70) Styrene	11.94	104	3424438	94.165	ug/l	98
71) Bromoform	12.10	173	1082156	102.336	ug/l	100
73) Isopropylbenzene	12.27	105	5469023	93.640	ug/l	99
74) N-amyl acetate	12.12	43	2130869	92.698	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	1268572	95.827	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	1266545	93.757	ug/l	99
77) Bromobenzene	12.53	156	1673081	98.869	ug/l	84
78) n-propylbenzene	12.63	91	6621182	90.431	ug/l	93
79) 2-Chlorotoluene	12.70	91	3877197	93.987	ug/l	93
80) 1,3,5-Trimethylbenzene	12.78	105	4150668	92.767	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	398541	97.906	ug/l	92
82) 4-Chlorotoluene	12.80	91	4084915	90.058	ug/l	98
83) tert-Butylbenzene	13.04	119	4906578	94.454	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	4453846	92.993	ug/l	98
85) sec-Butylbenzene	13.21	105	5752454	93.842	ug/l	99
86) p-Isopropyltoluene	13.33	119	4587101	92.460	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	2756212	93.844	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	2781316	93.436	ug/l	97
89) n-Butylbenzene	13.64	91	4036832	83.530	ug/l	99
90) Hexachloroethane	13.85	117	1233510	100.545	ug/l	62
91) 1,2-Dichlorobenzene	13.66	146	2079270	85.778	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	184157	91.070	ug/l	99

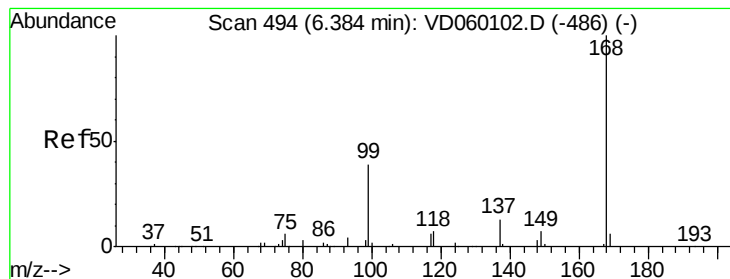
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100118\
Data File : VD060104.D
Acq On : 1 Oct 2018 18:46
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Quant Time: Oct 02 02:13:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:08:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2028070	96.890	ug/l	100
94) Hexachlorobutadiene	14.87	225	1367366	98.598	ug/l	100
95) Naphthalene	14.96	128	3153063	97.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	1823898	99.490	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

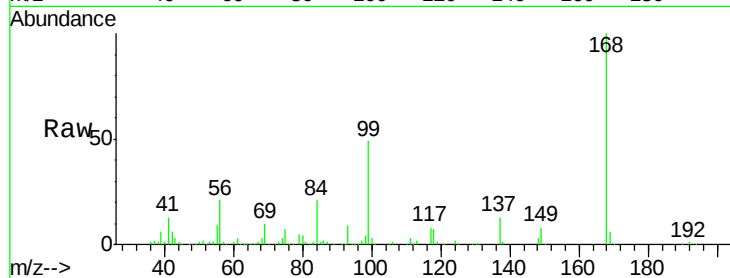
VSTDIC100

Tgt Ion:168 Resp: 1553182

Ion Ratio Lower Upper

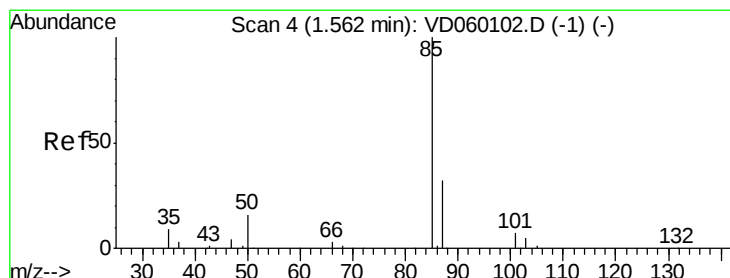
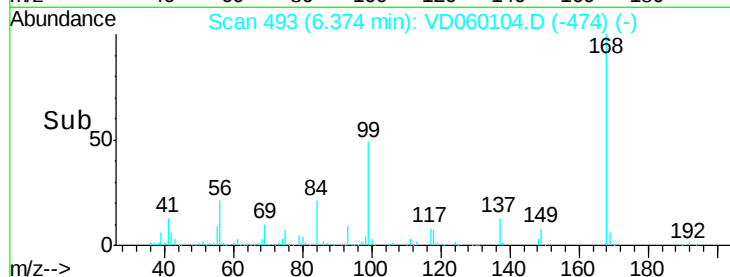
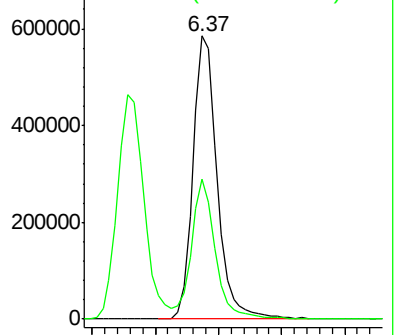
168 100

99 49.3 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 70.696 ug/l

RT: 1.56 min Scan# 4

Delta R.T. -0.00 min

Lab File: VD060104.D

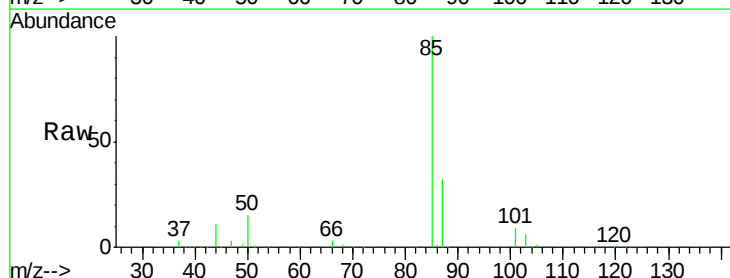
Acq: 1 Oct 2018 18:46

Tgt Ion: 85 Resp: 1135233

Ion Ratio Lower Upper

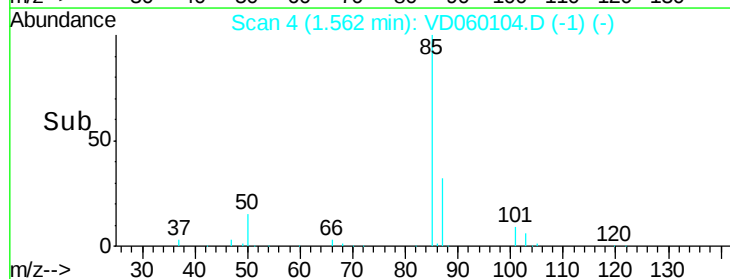
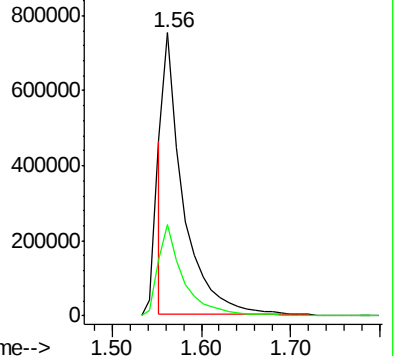
85 100

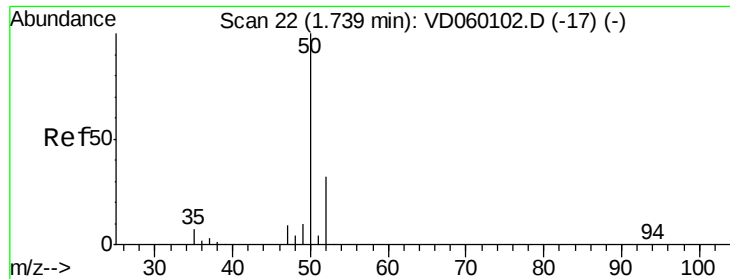
87 32.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 94.158 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

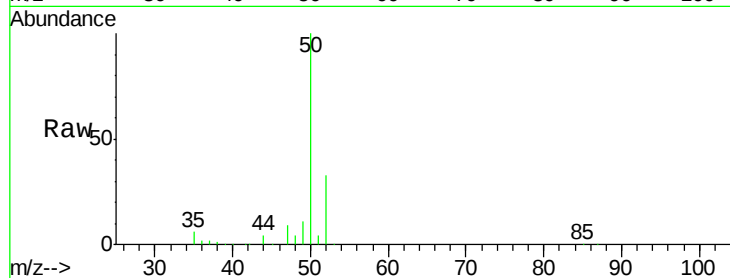
VSTDIC100

Tgt Ion: 50 Resp: 1353134

Ion Ratio Lower Upper

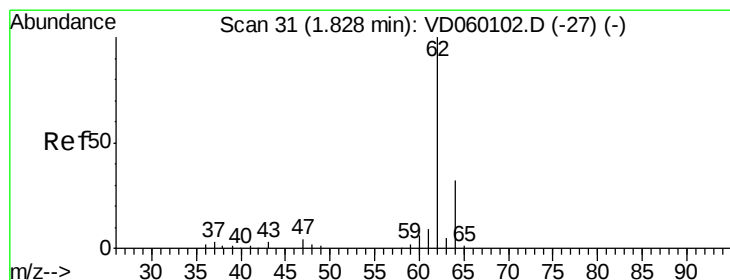
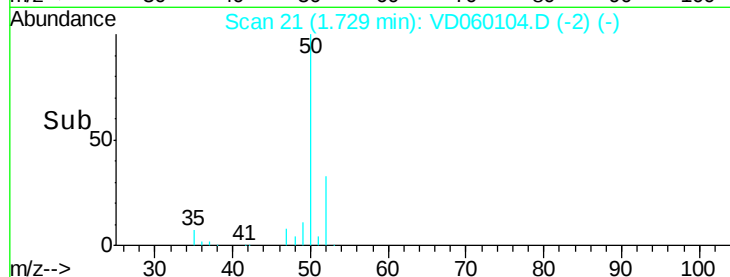
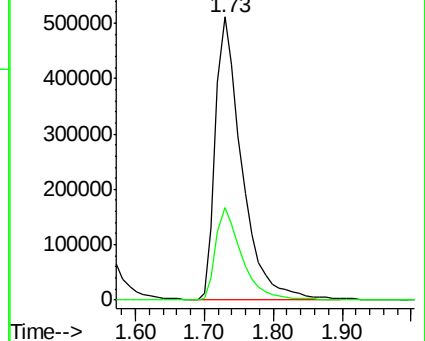
50 100

52 32.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 94.631 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD060104.D

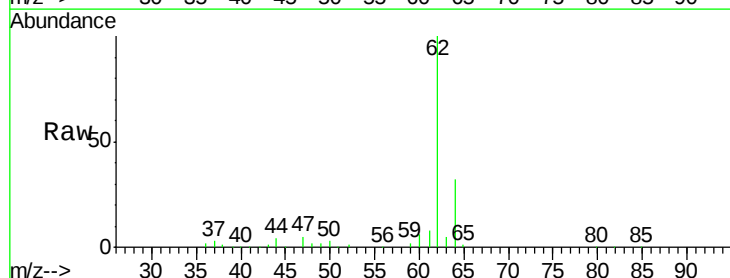
Acq: 1 Oct 2018 18:46

Tgt Ion: 62 Resp: 1091654

Ion Ratio Lower Upper

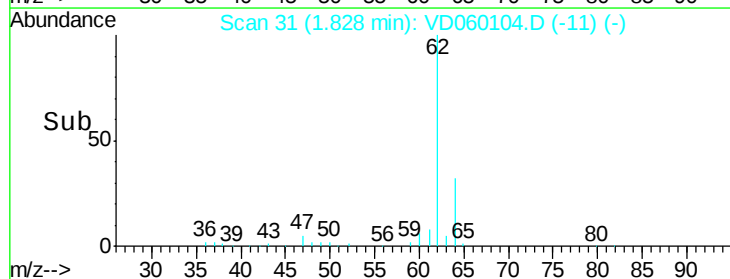
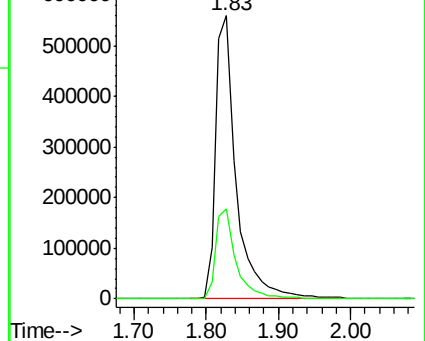
62 100

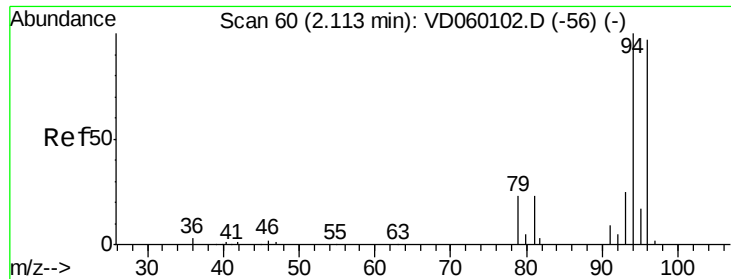
64 31.6 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 72.652 ug/l

RT: 2.10 min Scan# 59

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

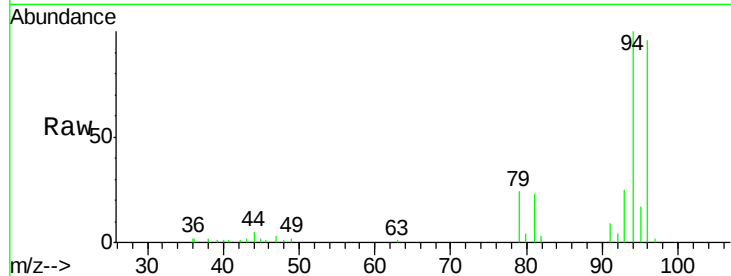
VSTDIC100

Tgt Ion: 94 Resp: 97259

Ion Ratio Lower Upper

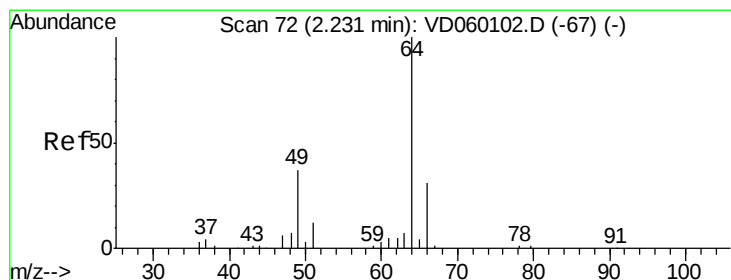
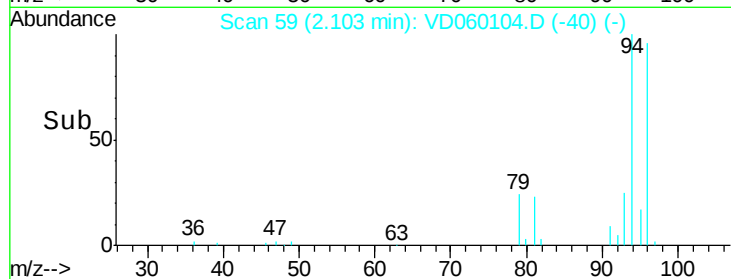
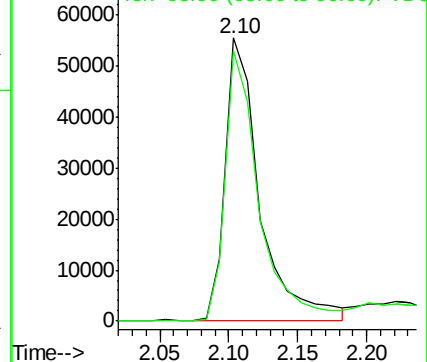
94 100

96 95.7 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 97.629 ug/l

RT: 2.21 min Scan# 70

Delta R.T. -0.02 min

Lab File: VD060104.D

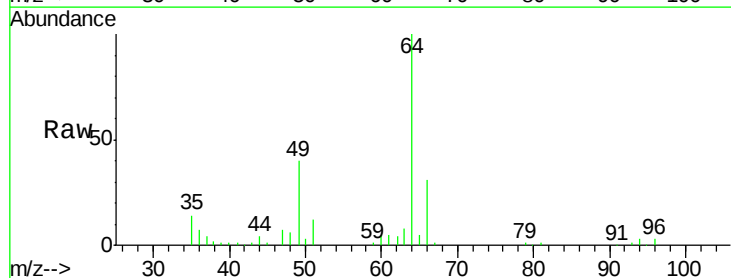
Acq: 1 Oct 2018 18:46

Tgt Ion: 64 Resp: 250409

Ion Ratio Lower Upper

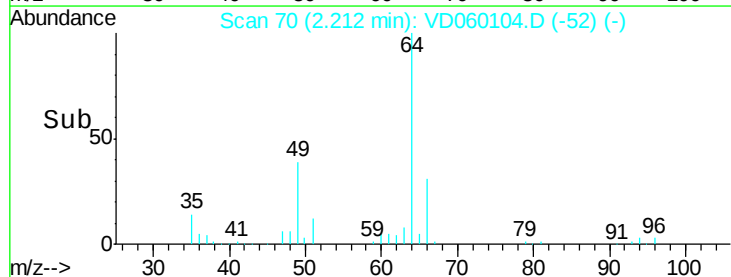
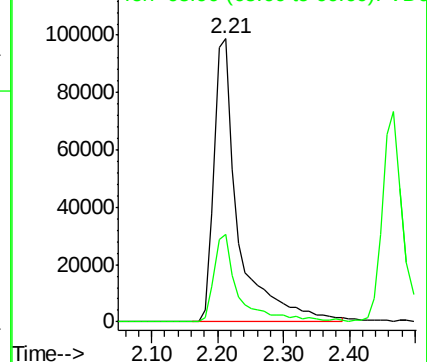
64 100

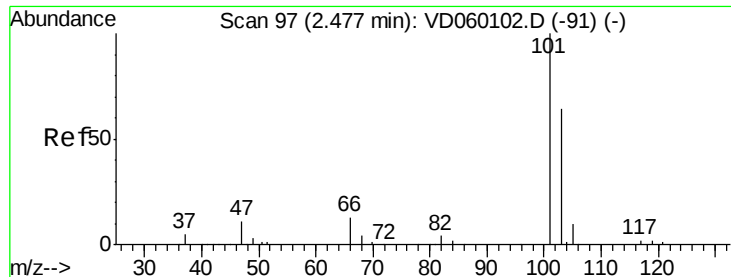
66 30.7 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 98.152 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

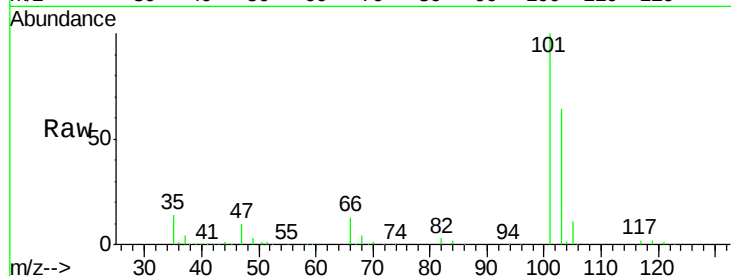
VSTDIC100

Tgt Ion:101 Resp: 1245722

Ion Ratio Lower Upper

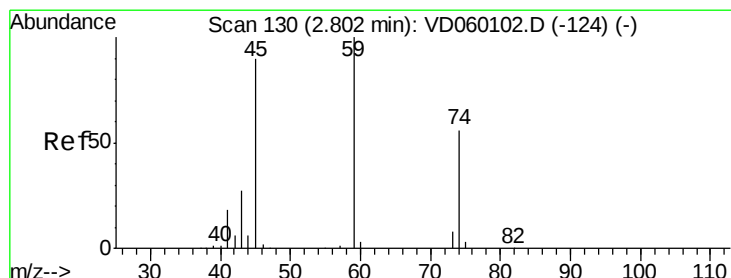
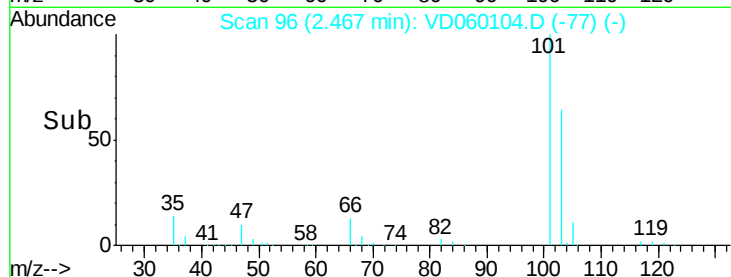
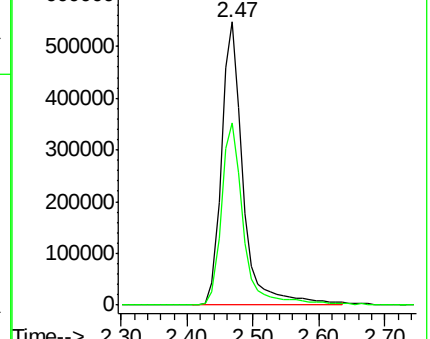
101 100

103 64.3 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 98.051 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.01 min

Lab File: VD060104.D

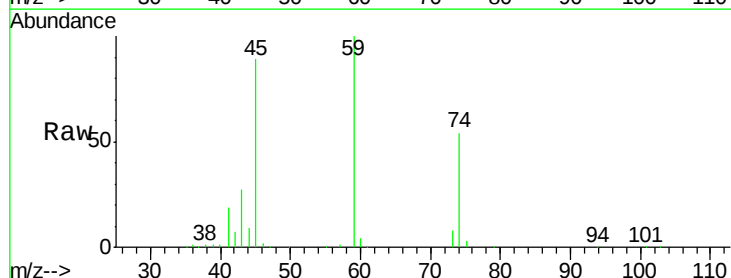
Acq: 1 Oct 2018 18:46

Tgt Ion: 74 Resp: 264859

Ion Ratio Lower Upper

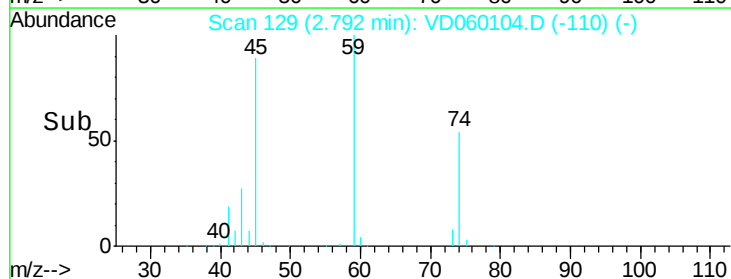
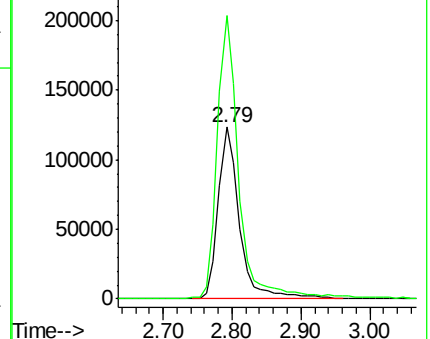
74 100

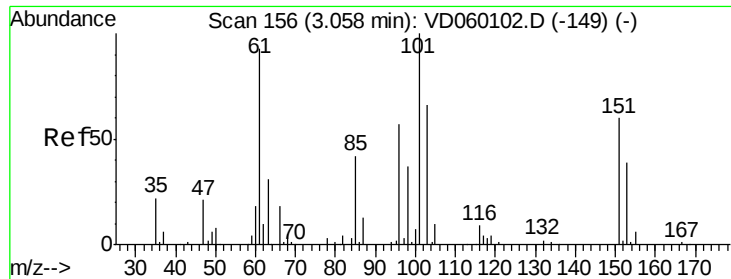
45 164.7 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.706 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

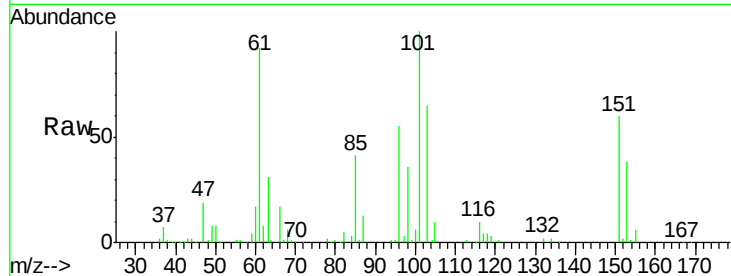
Tgt Ion:101 Resp: 762835

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.0

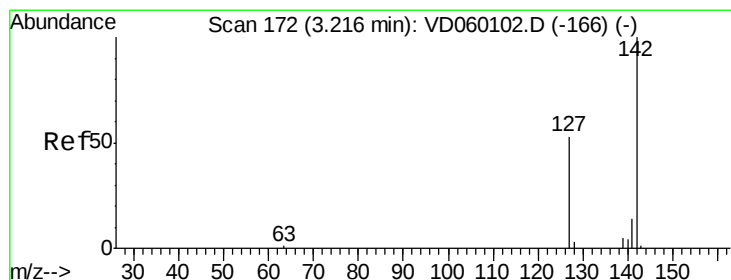
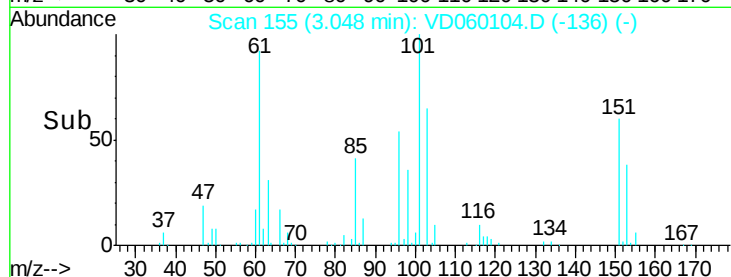
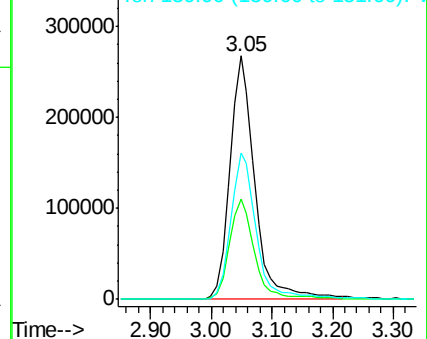
151 60.4 48.0 72.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 110.829 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

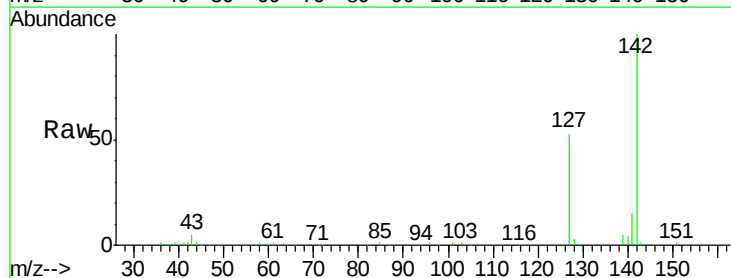
Tgt Ion:142 Resp: 942623

Ion Ratio Lower Upper

142 100

127 53.5 42.0 63.0

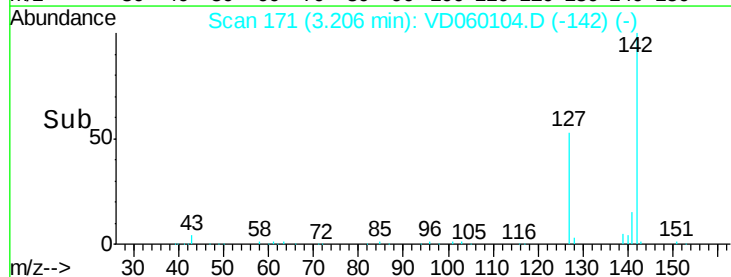
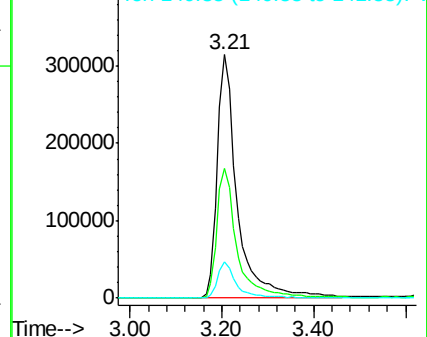
141 14.7 11.4 17.0

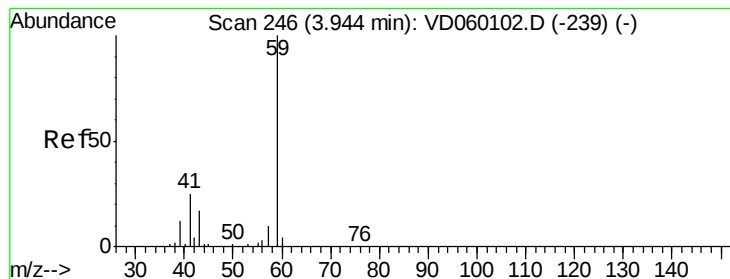


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



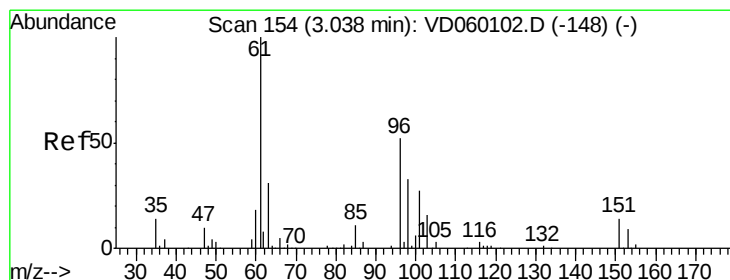
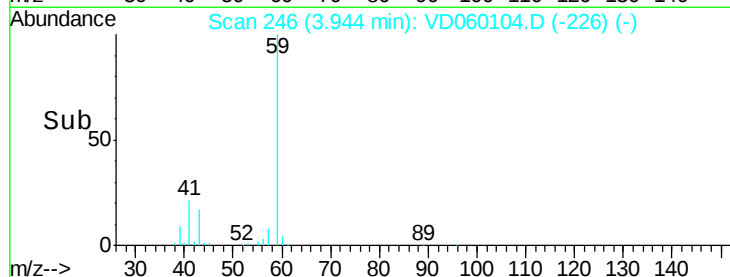
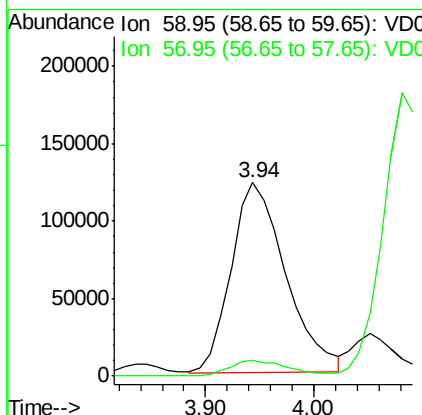
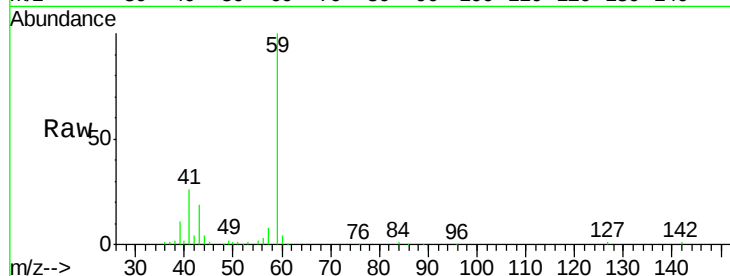


#11

Tert butyl alcohol
 Concen: 450.920 ug/l
 RT: 3.94 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

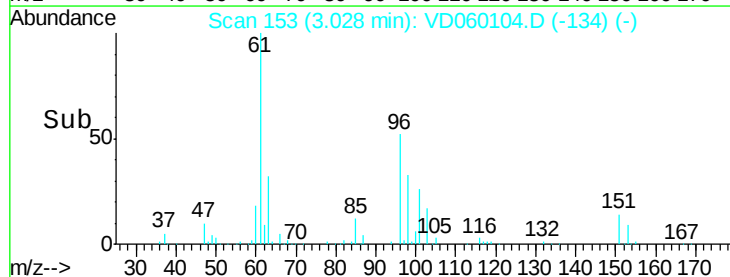
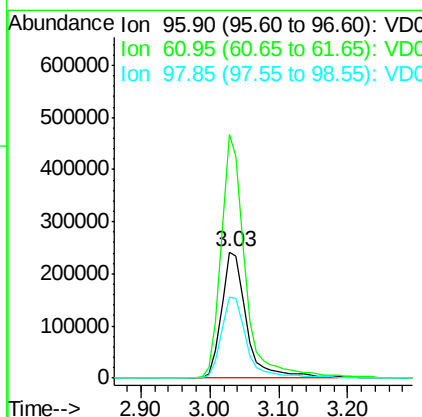
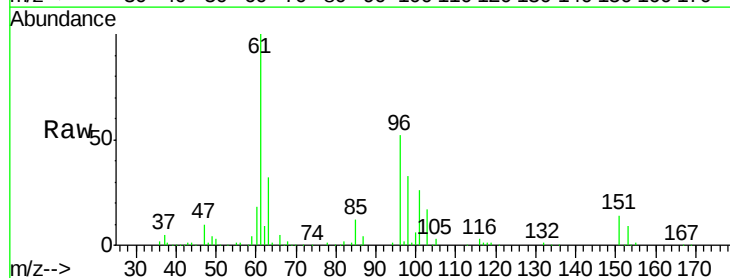
Tgt Ion: 59 Resp: 433197
 Ion Ratio Lower Upper
 59 100
 57 8.3 7.8 11.6

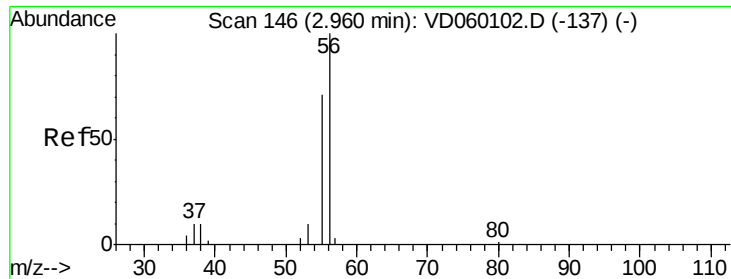


#12

1,1-Dichloroethene
 Concen: 96.491 ug/l
 RT: 3.03 min Scan# 153
 Delta R.T. -0.01 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 96 Resp: 609014
 Ion Ratio Lower Upper
 96 100
 61 193.0 153.0 229.4
 98 64.3 51.1 76.7





#13

Acrolein

Concen: 390.813 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

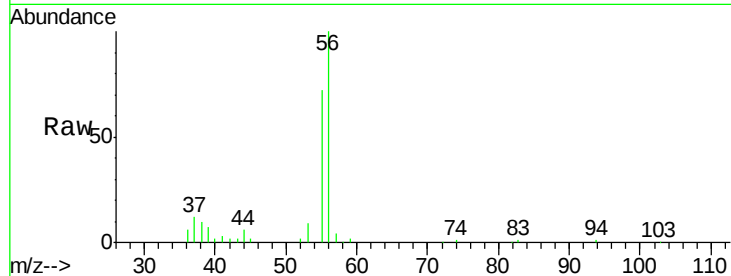
VSTDIC100

Tgt Ion: 56 Resp: 231953

Ion Ratio Lower Upper

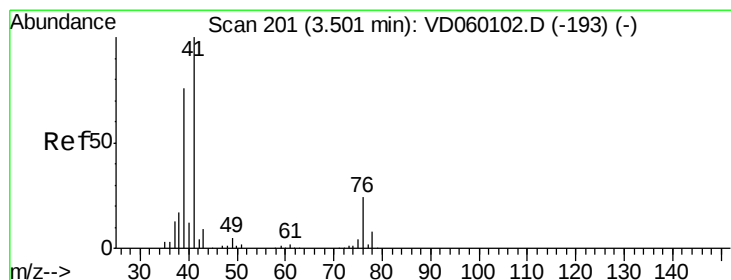
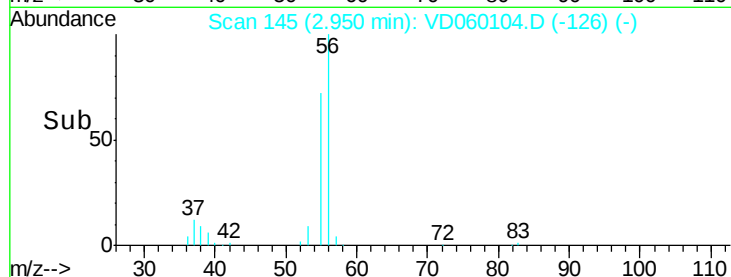
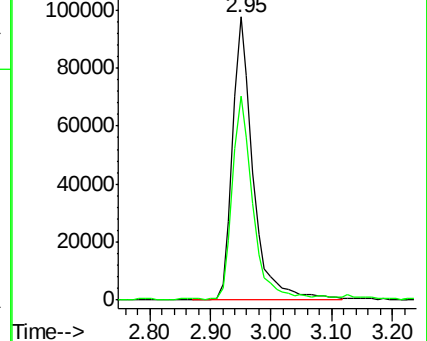
56 100

55 72.2 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 97.728 ug/l

RT: 3.49 min Scan# 200

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

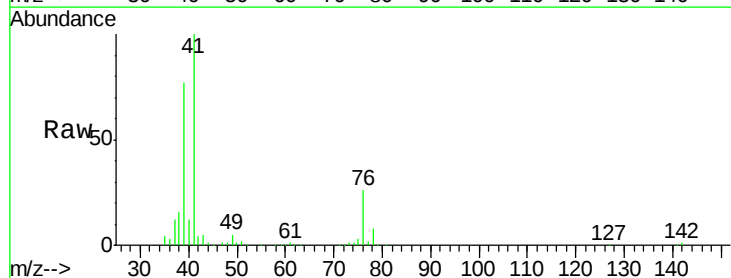
Tgt Ion: 41 Resp: 1297562

Ion Ratio Lower Upper

41 100

39 76.9 60.6 90.8

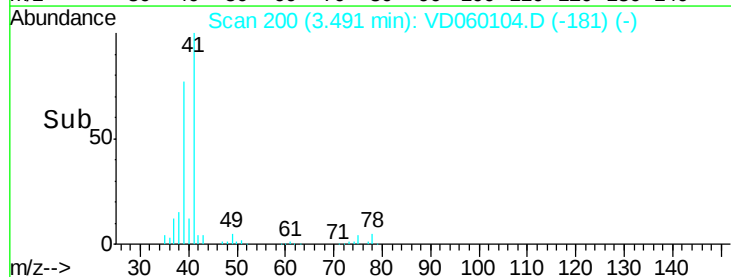
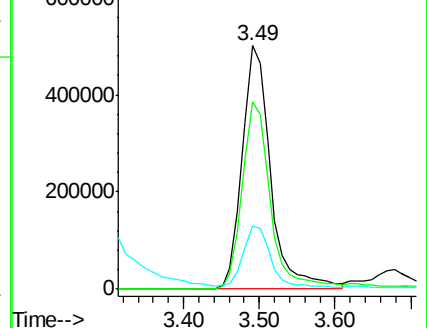
76 26.0 21.3 31.9

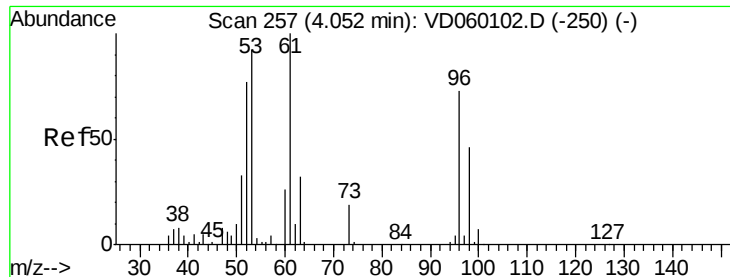


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 446.481 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

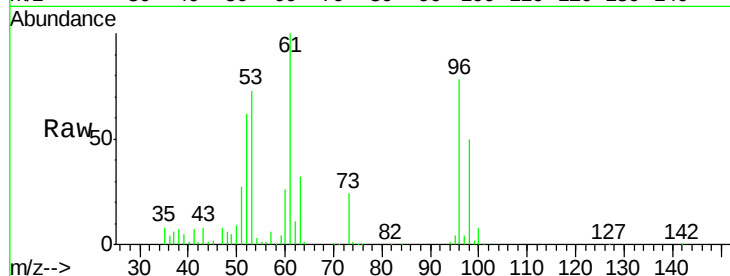
Tgt Ion: 53 Resp: 1625757

Ion Ratio Lower Upper

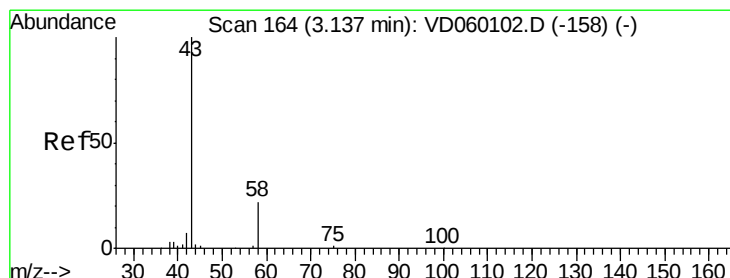
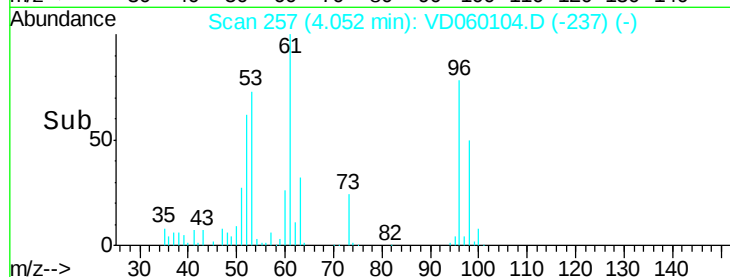
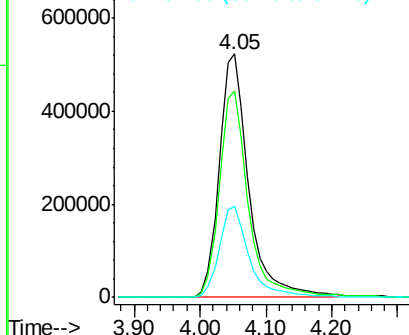
53 100

52 84.6 67.5 101.3

51 37.4 29.3 43.9



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: 405.752 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060104.D

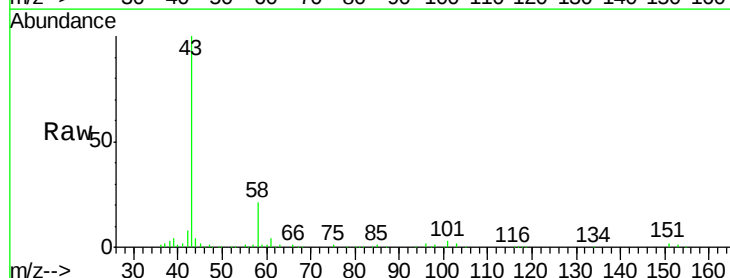
Acq: 1 Oct 2018 18:46

Tgt Ion: 43 Resp: 931372

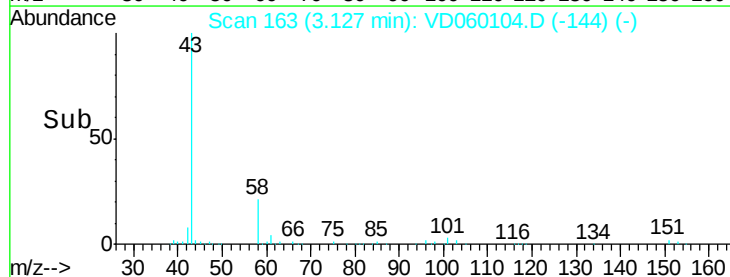
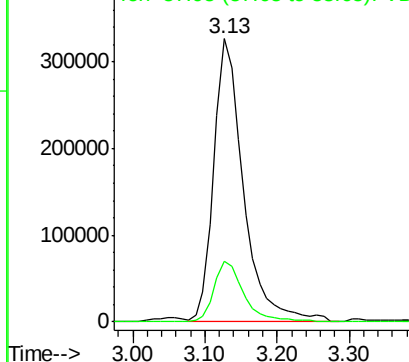
Ion Ratio Lower Upper

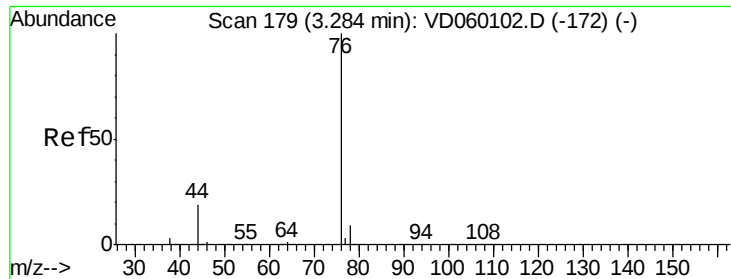
43 100

58 21.3 17.7 26.5



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

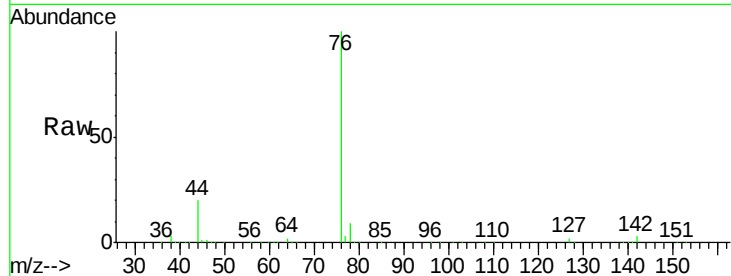




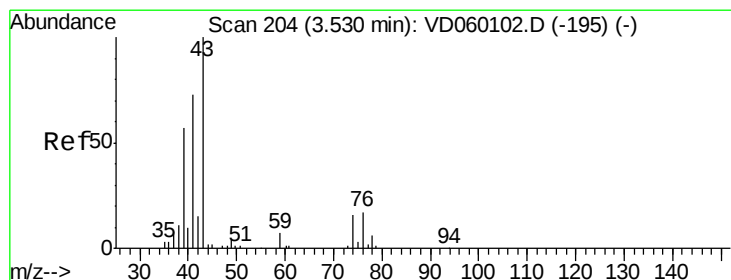
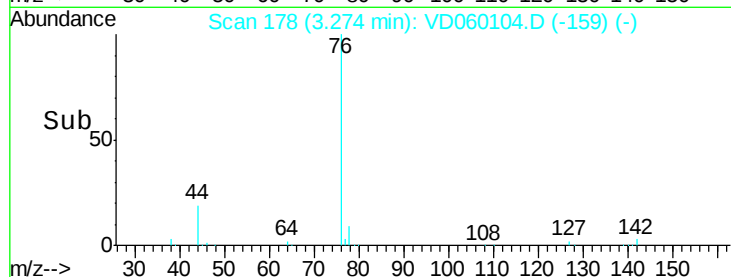
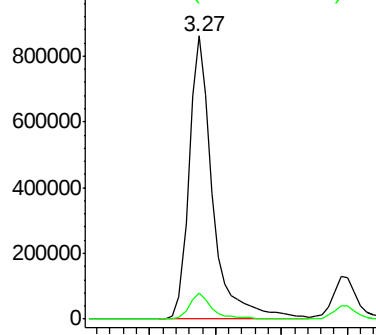
#17
Carbon Disulfide
Concen: 99.028 ug/l
RT: 3.27 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 76 Resp: 2148750
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

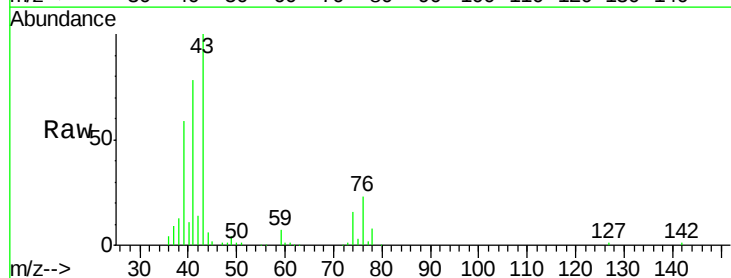


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

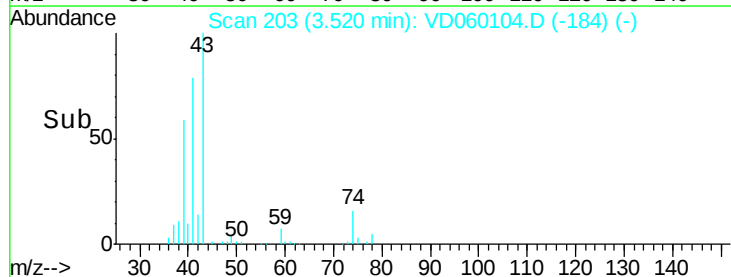
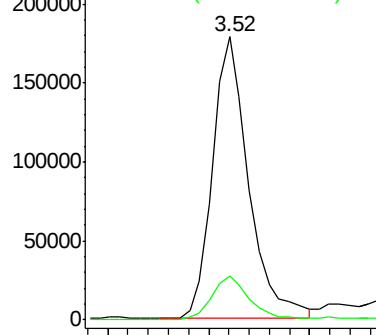


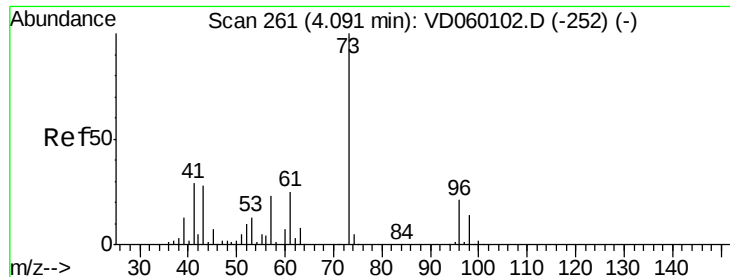
#18
Methyl Acetate
Concen: 93.782 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 43 Resp: 443311
Ion Ratio Lower Upper
43 100
74 15.7 12.6 19.0



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

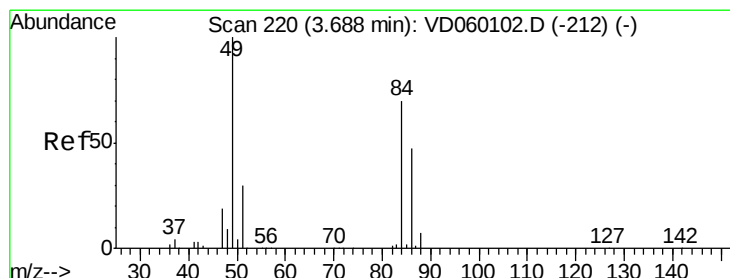
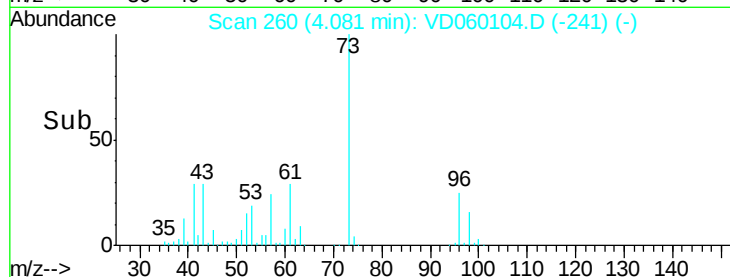
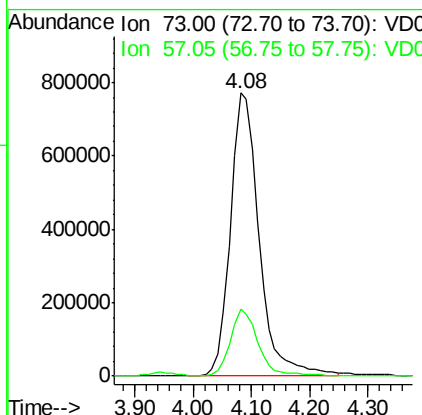
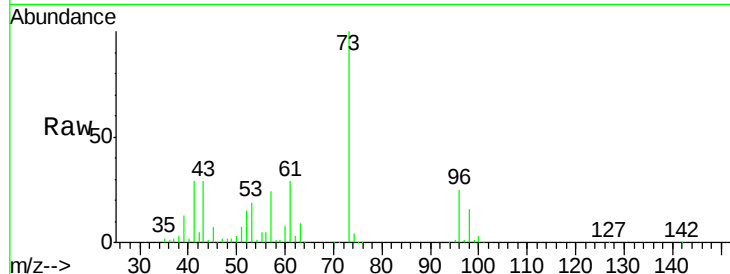




#19
Methyl tert-butyl Ether
Concen: 90.897 ug/l
RT: 4.08 min Scan# 260
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

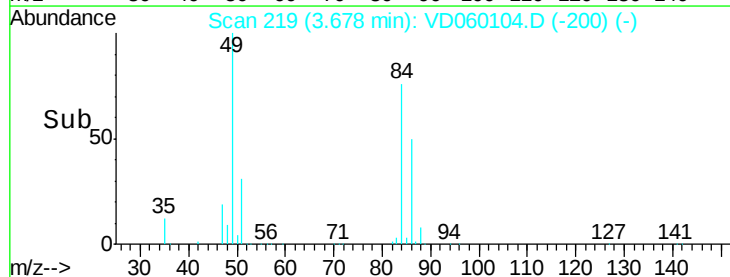
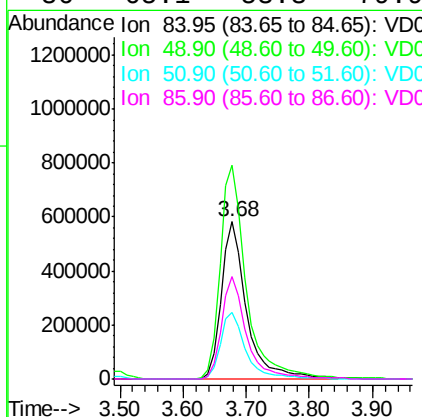
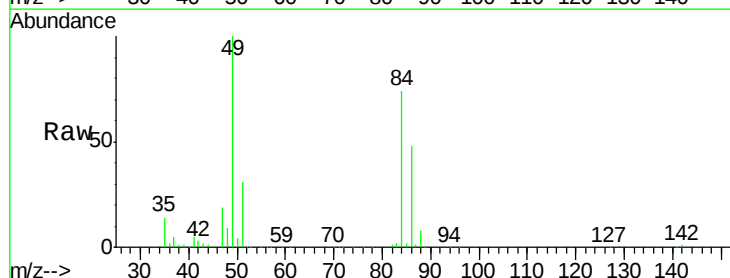
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

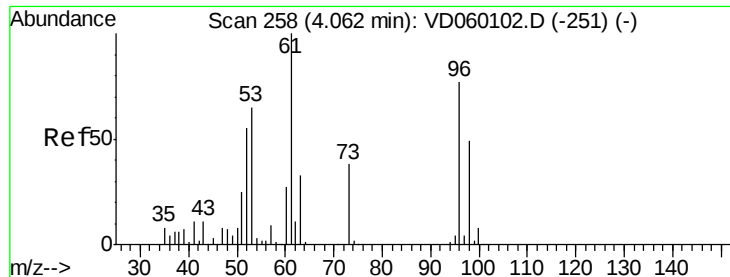
Tgt Ion: 73 Resp: 2647680
Ion Ratio Lower Upper
73 100
57 23.7 18.7 28.1



#20
Methylene Chloride
Concen: 82.863 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 84 Resp: 1622049
Ion Ratio Lower Upper
84 100
49 135.8 114.6 172.0
51 42.1 33.8 50.8
86 65.1 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 94.333 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

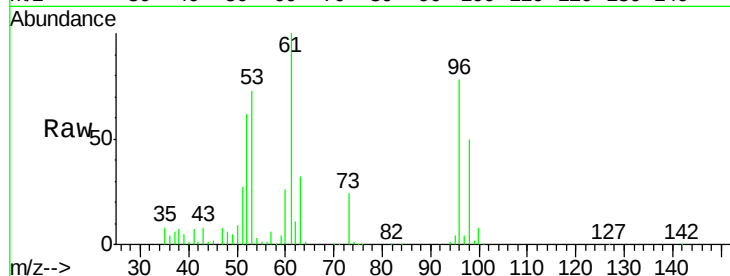
Tgt Ion: 96 Resp: 1564574

Ion Ratio Lower Upper

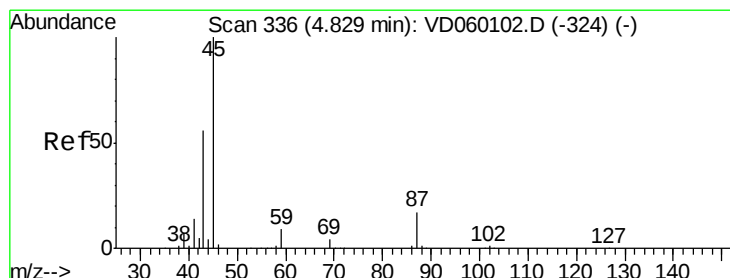
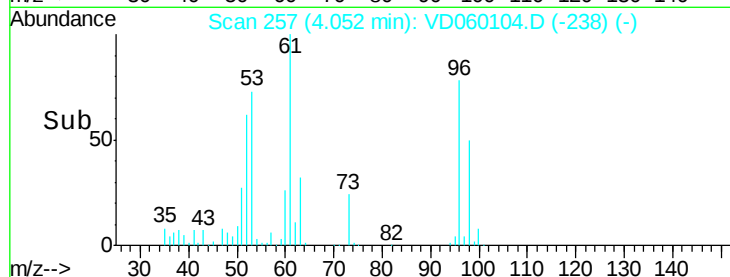
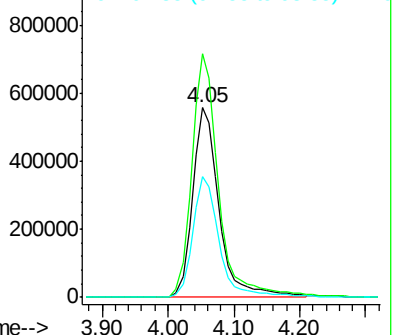
96 100

61 128.6 103.3 154.9

98 63.9 50.4 75.6



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: 93.578 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Tgt Ion: 45 Resp: 5641263

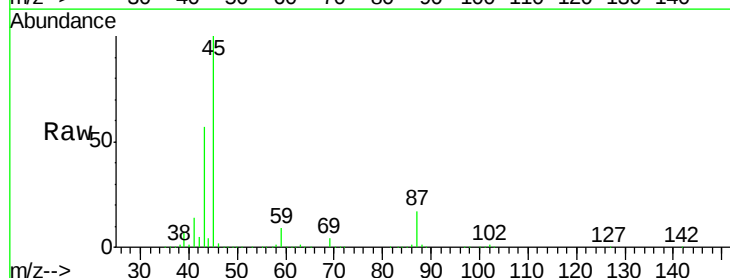
Ion Ratio Lower Upper

45 100

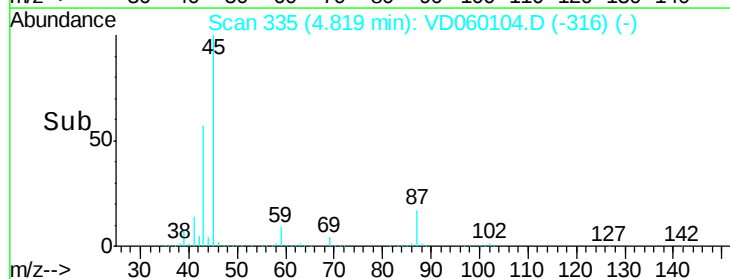
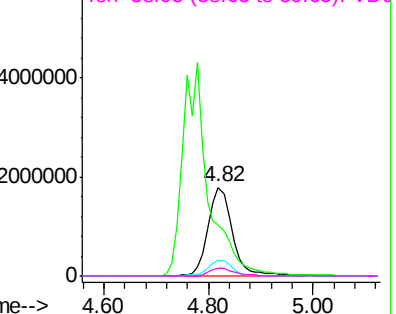
43 57.5 44.8 67.2

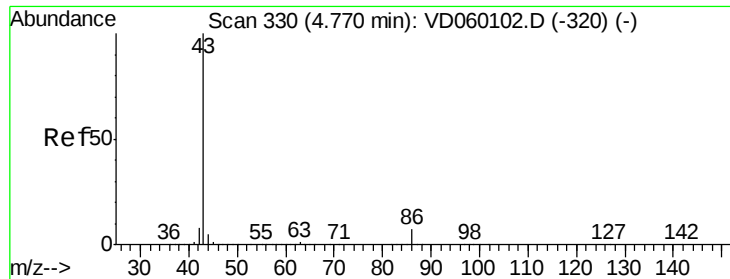
87 17.4 13.9 20.9

59 8.9 7.1 10.7



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: 426.244 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

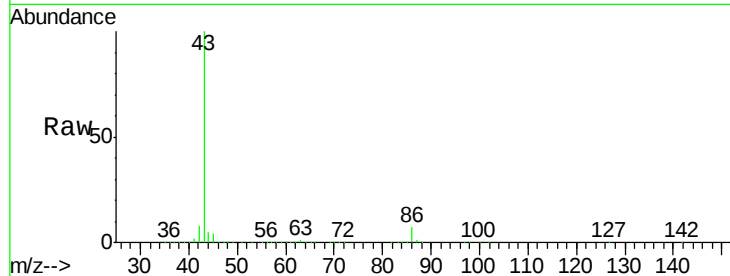
VSTDIC100

Tgt Ion: 43 Resp:14582503

Ion Ratio Lower Upper

43 100

86 7.4 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.78

4000000

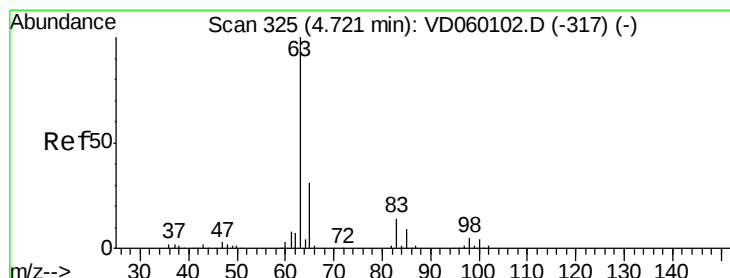
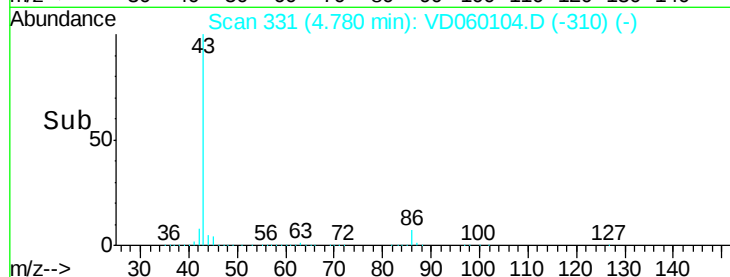
3000000

2000000

1000000

0

Time-->



#24

1,1-Dichloroethane

Concen: 95.647 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

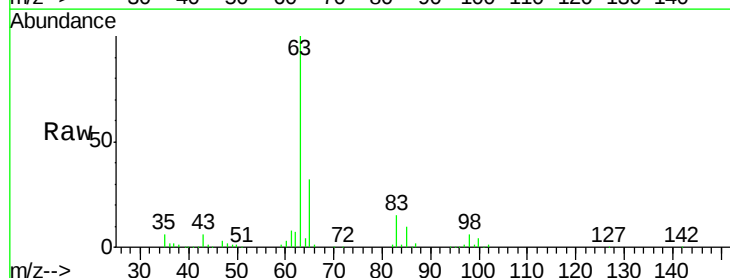
Tgt Ion: 63 Resp: 2603237

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

100 3.7 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.72

1200000

1000000

800000

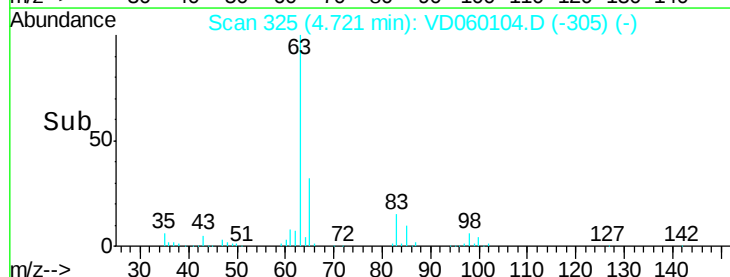
600000

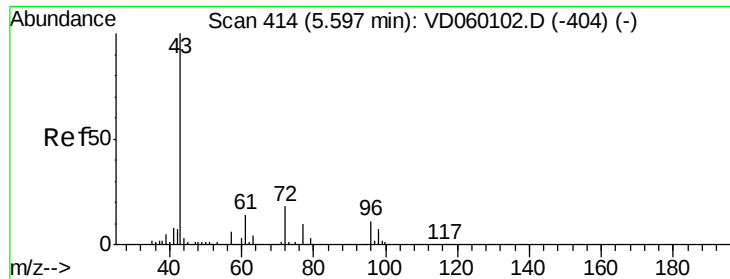
400000

200000

0

Time-->





#25

2-Butanone

Concen: 408.636 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

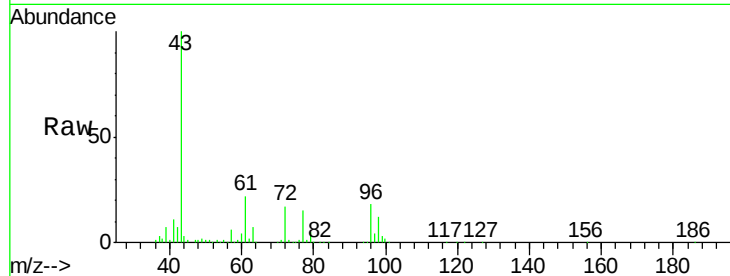
VSTDIC100

Tgt Ion: 43 Resp: 2530588

Ion Ratio Lower Upper

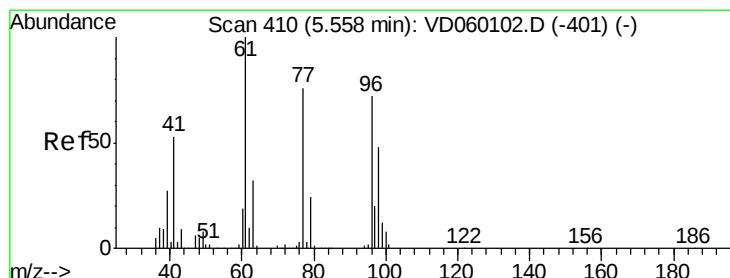
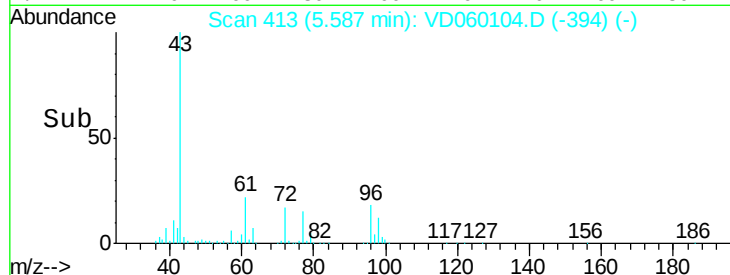
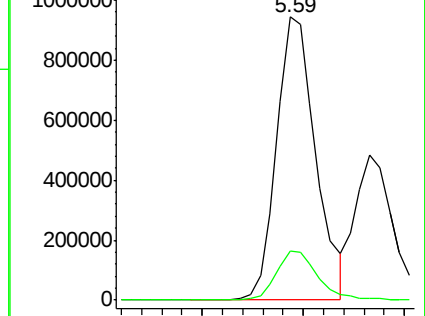
43 100

72 17.4 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 88.879 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060104.D

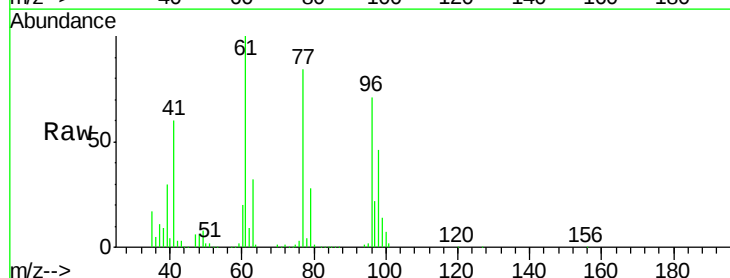
Acq: 1 Oct 2018 18:46

Tgt Ion: 77 Resp: 1872145

Ion Ratio Lower Upper

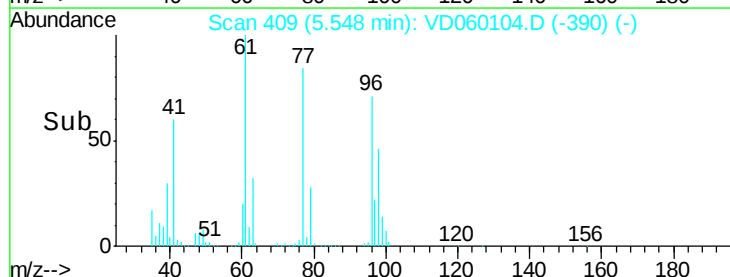
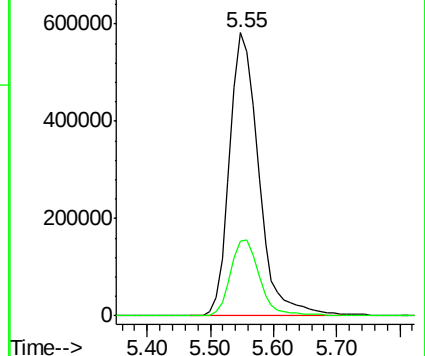
77 100

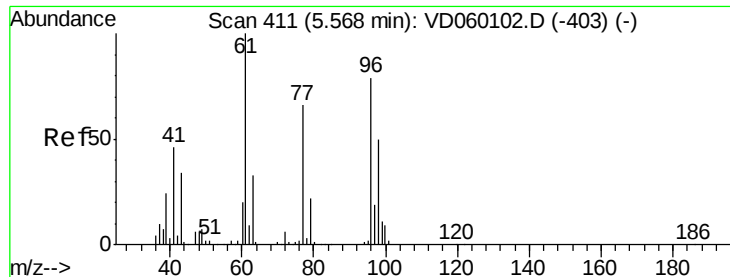
97 26.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



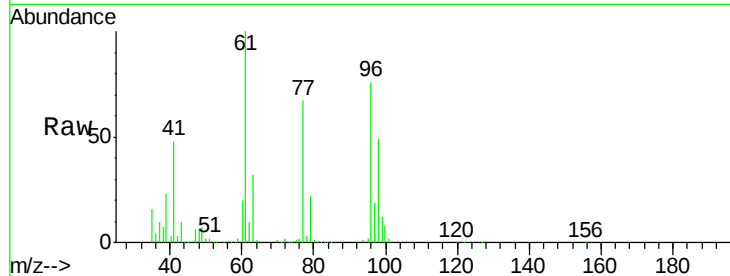


#27

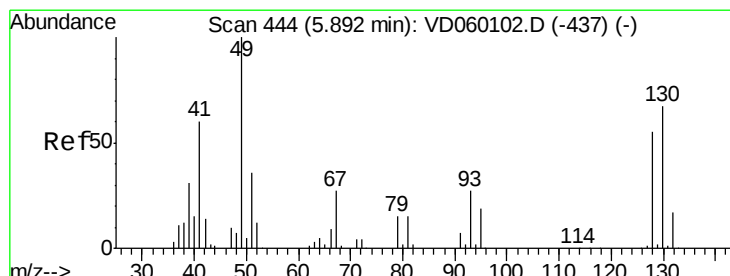
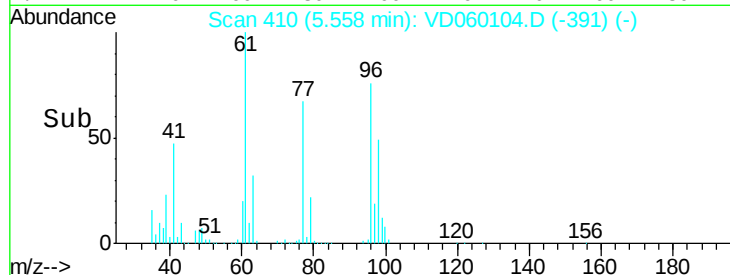
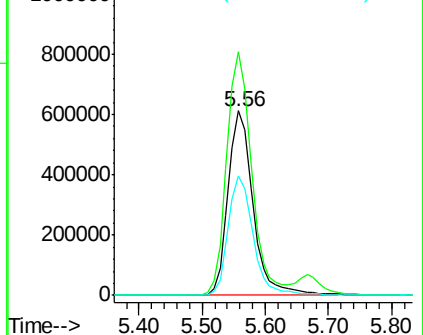
cis-1,2-Dichloroethene
 Concen: 97.025 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 96 Resp: 1681994
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 251.8
 98 64.5 0.0 125.2



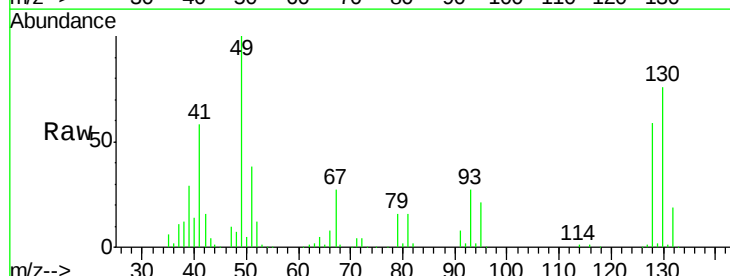
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



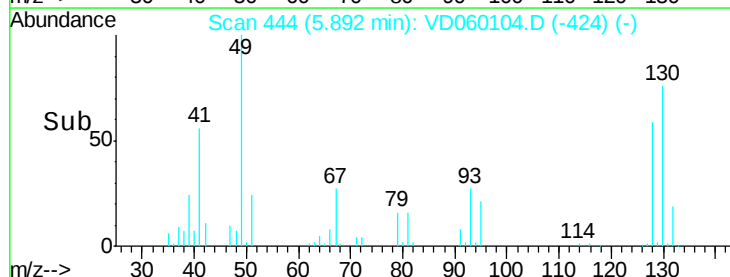
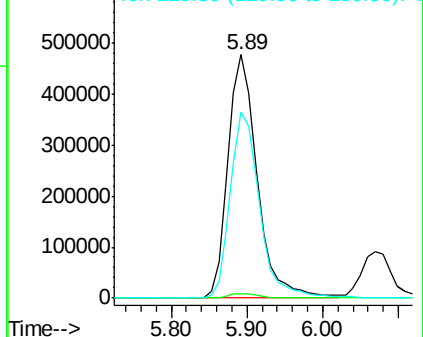
#28

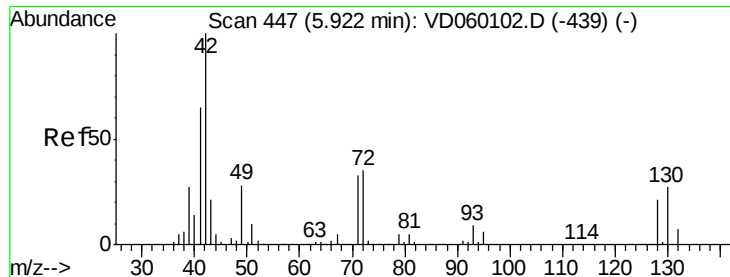
Bromochloromethane
 Concen: 96.528 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 49 Resp: 1276902
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.6
 130 76.2 53.9 80.9



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

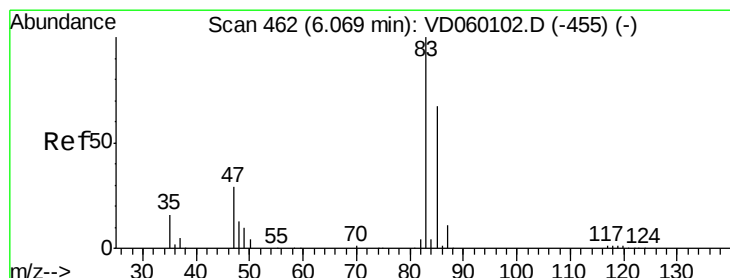
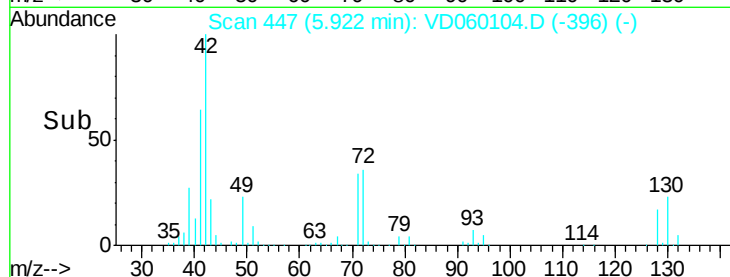
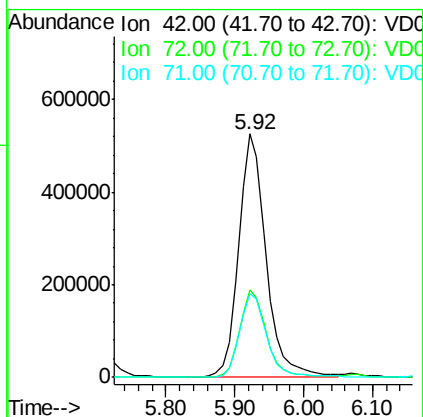
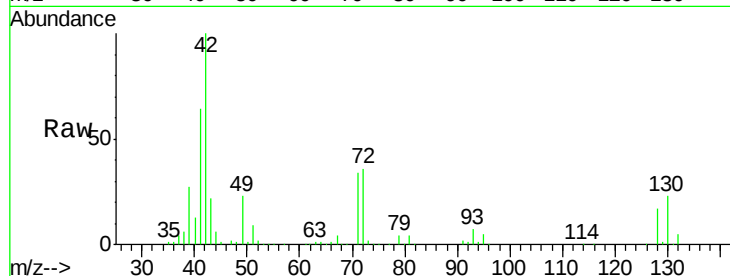




#29
Tetrahydrofuran
Concen: 434.480 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

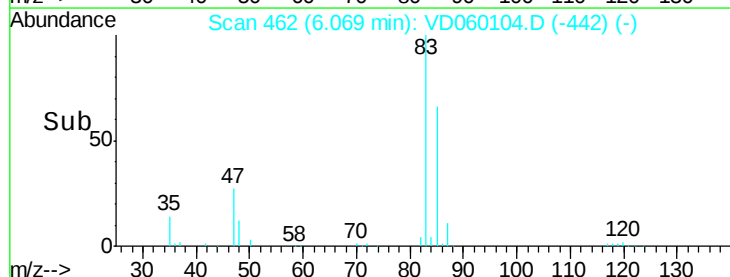
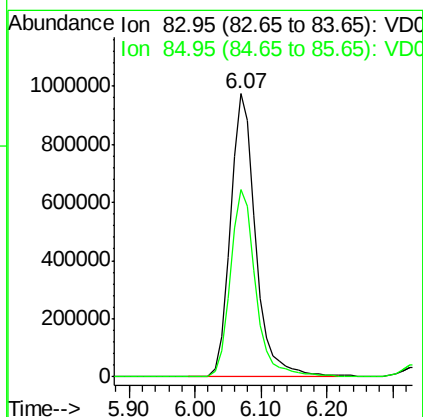
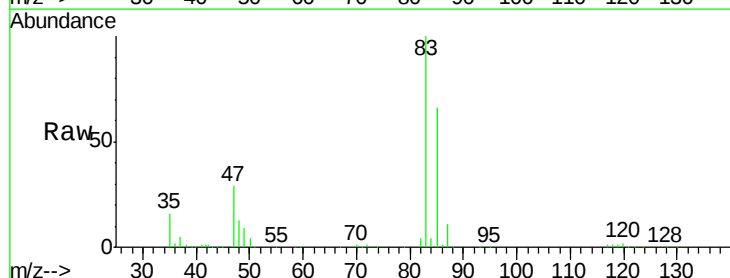
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

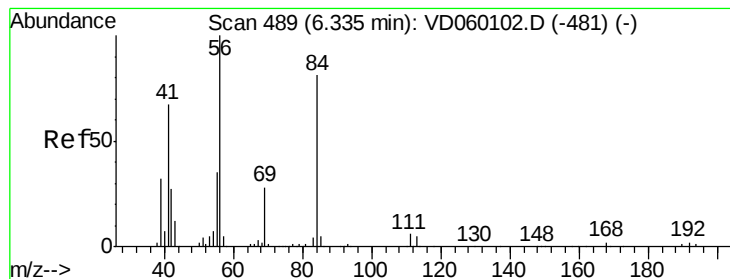
Tgt Ion: 42 Resp: 1442960
Ion Ratio Lower Upper
42 100
72 35.1 26.9 40.3
71 34.5 26.7 40.1



#30
Chloroform
Concen: 94.999 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 83 Resp: 2611148
Ion Ratio Lower Upper
83 100
85 66.1 53.8 80.8





#31

Cyclohexane

Concen: 88.137 ug/l

RT: 6.33 min Scan# 489

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

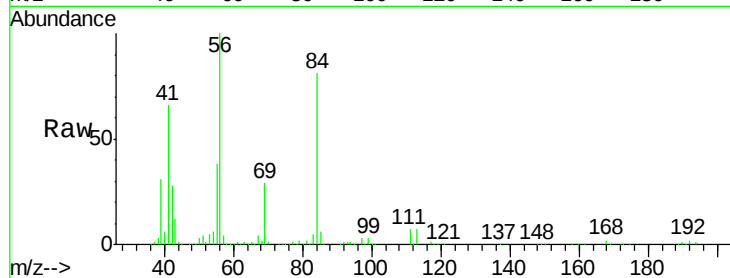
Tgt Ion: 56 Resp: 2322230

Ion Ratio Lower Upper

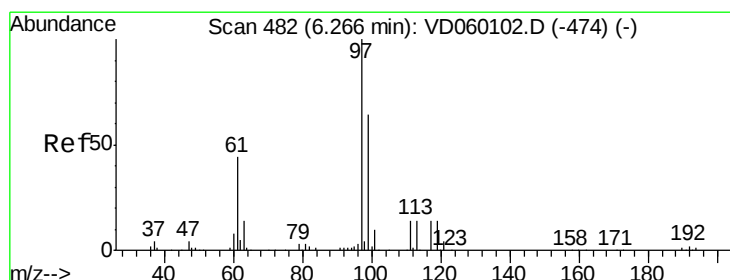
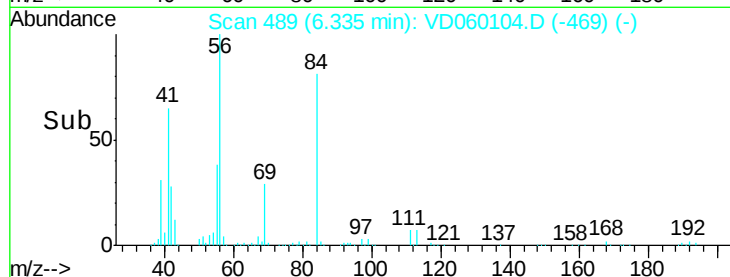
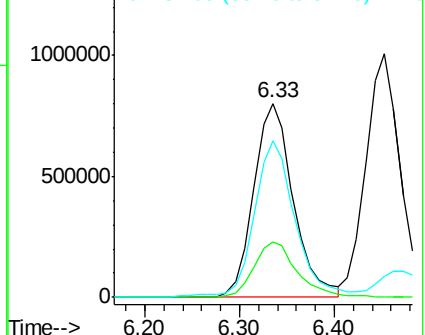
56 100

69 28.8 22.8 34.2

84 80.8 64.9 97.3



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: 94.010 ug/l

RT: 6.26 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

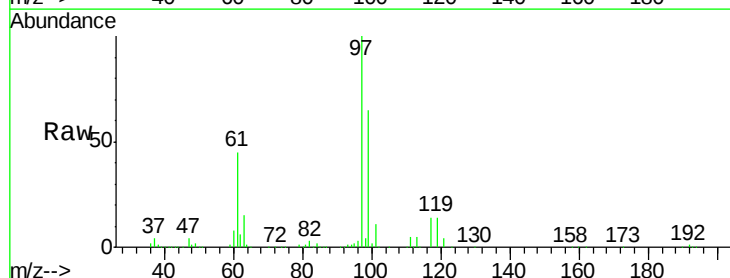
Tgt Ion: 97 Resp: 2135892

Ion Ratio Lower Upper

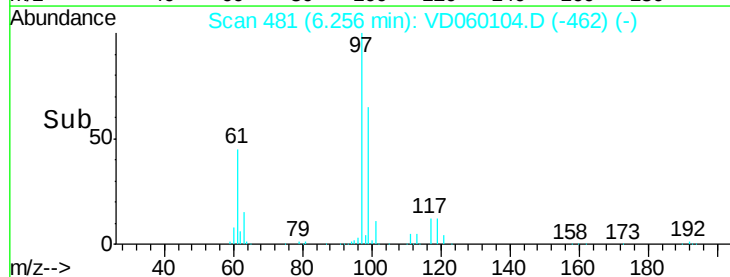
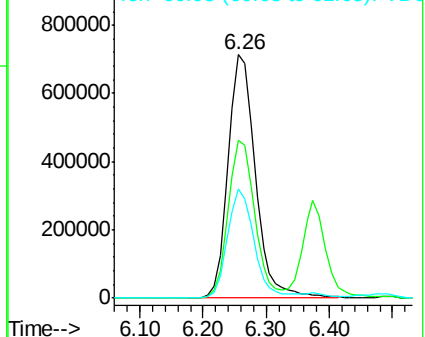
97 100

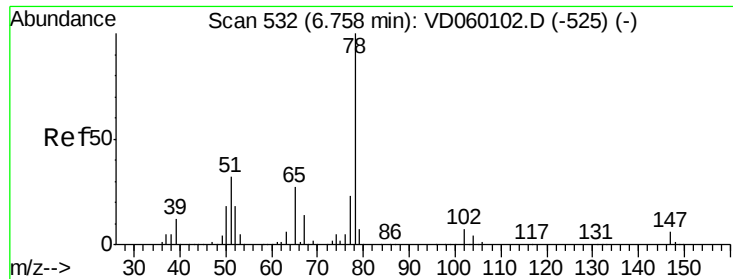
99 64.9 51.4 77.0

61 44.6 35.5 53.3



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

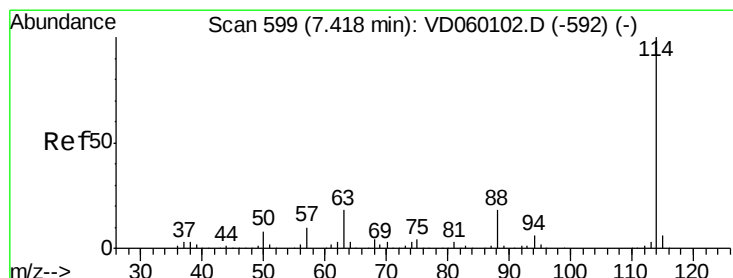
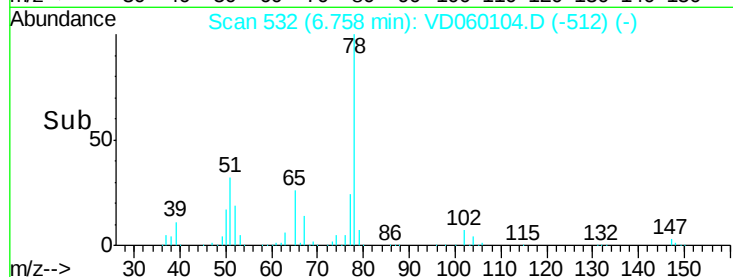
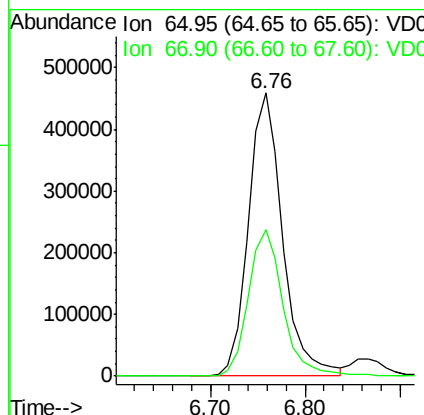
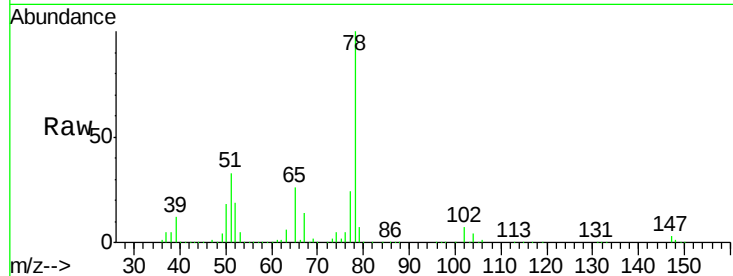




#33
 1,2-Dichloroethane-d4
 Concen: 94.010 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

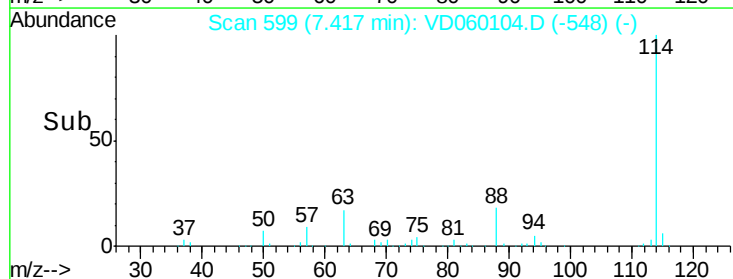
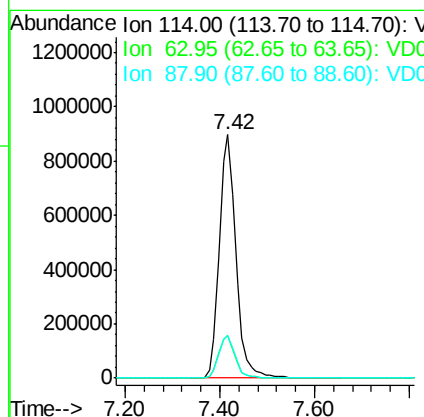
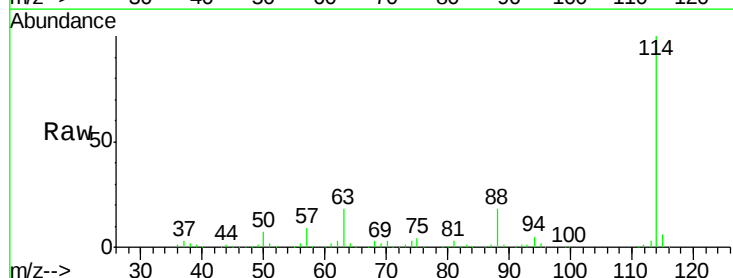
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

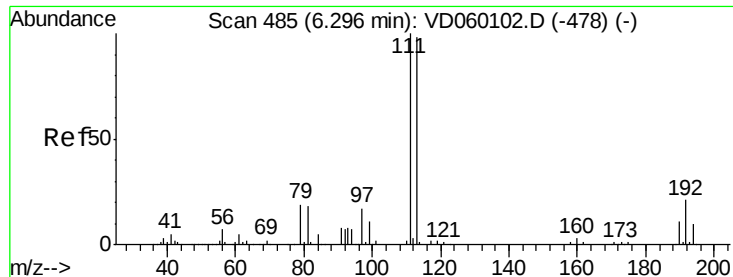
Tgt Ion: 65 Resp: 1146635
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 114 Resp: 2172436
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.0
 88 17.7 0.0 36.2

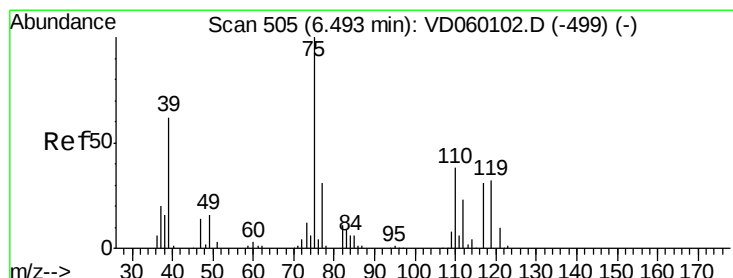
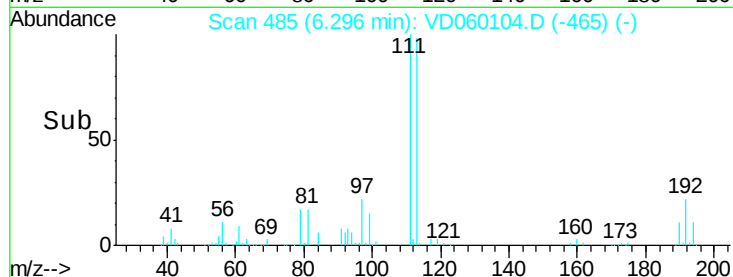
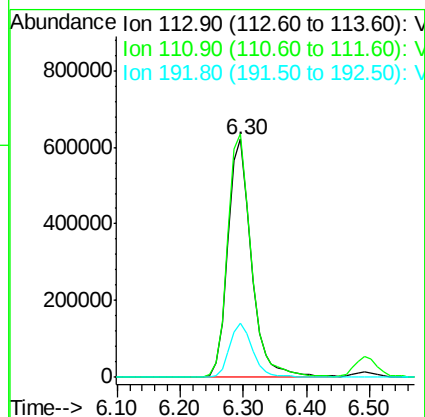
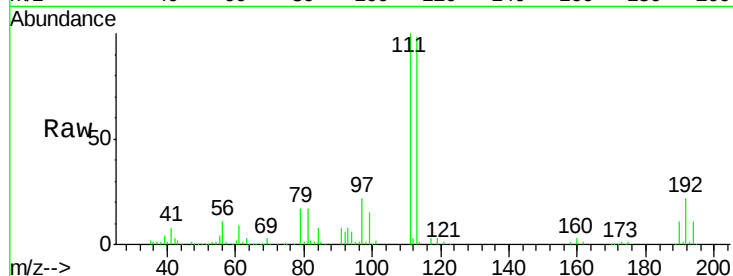




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

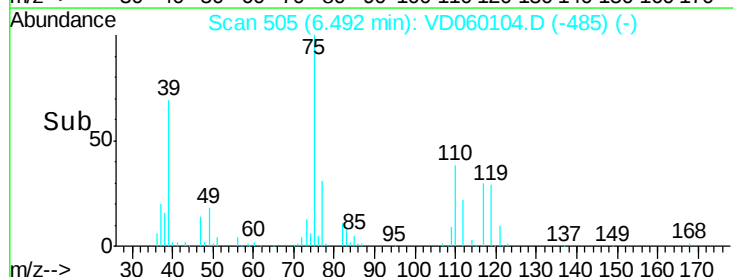
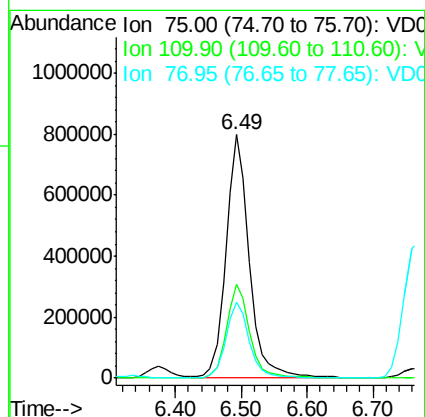
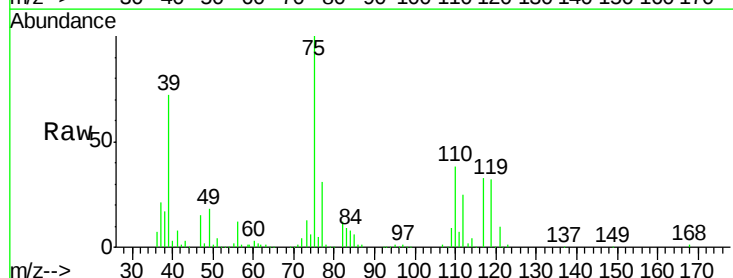
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

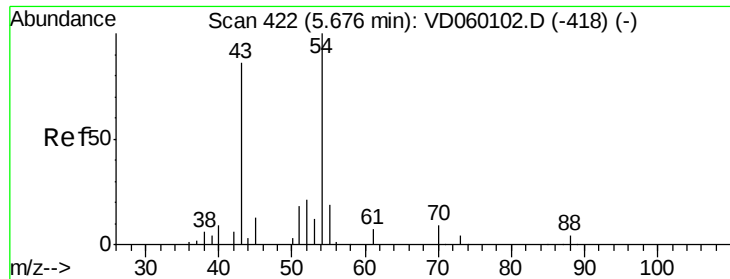
Tgt Ion:113 Resp: 1613425
Ion Ratio Lower Upper
113 100
111 102.2 81.5 122.3
192 23.0 17.4 26.0



#36
1,1-Dichloropropene
Concen: 91.128 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 75 Resp: 1936937
Ion Ratio Lower Upper
75 100
110 38.4 19.0 57.0
77 31.3 24.9 37.3

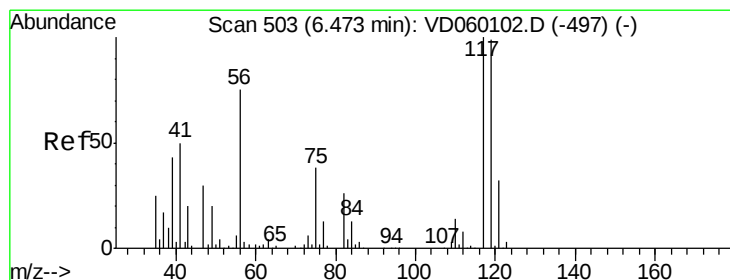
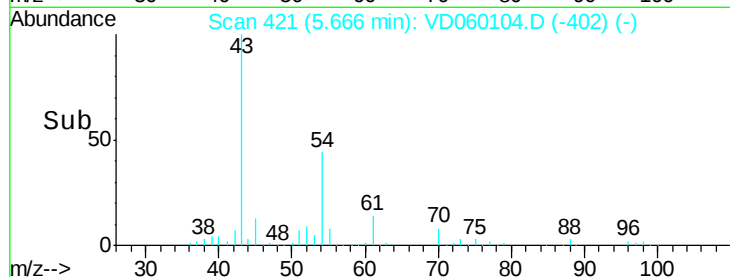
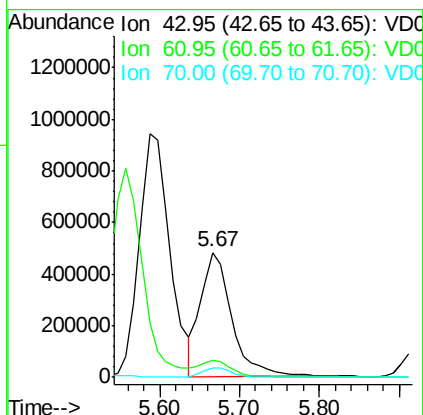
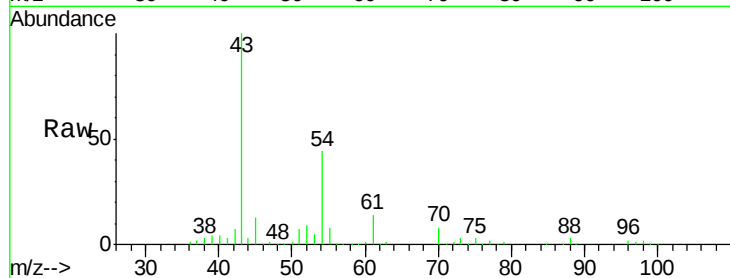




#37
 Ethyl Acetate
 Concen: 88.999 ug/l
 RT: 5.67 min Scan# 421
 Delta R.T. -0.01 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

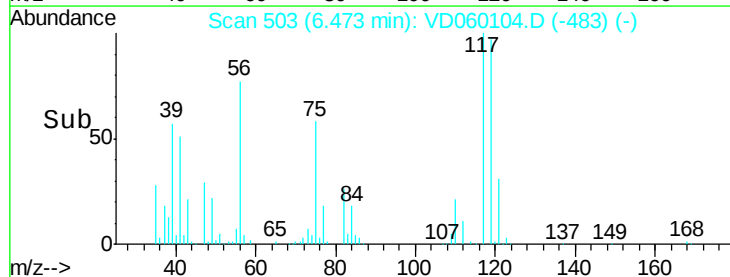
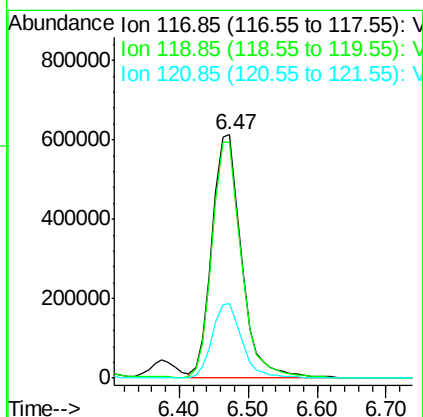
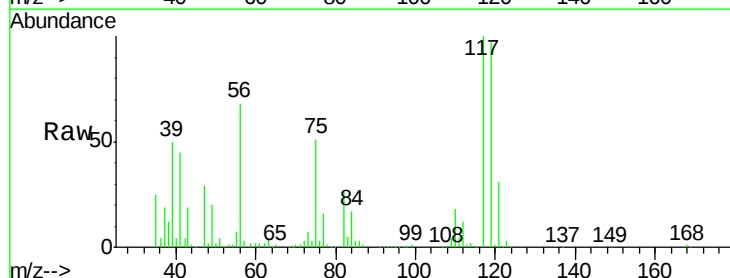
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

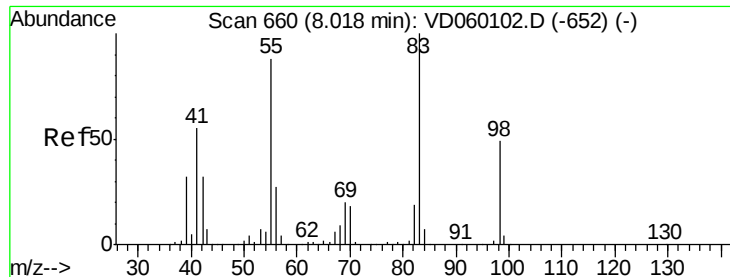
Tgt Ion: 43 Resp: 1306185
 Ion Ratio Lower Upper
 43 100
 61 14.1 10.5 15.7
 70 7.6 6.3 9.5



#38
 Carbon Tetrachloride
 Concen: 91.484 ug/l
 RT: 6.47 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 117 Resp: 1805723
 Ion Ratio Lower Upper
 117 100
 119 96.8 77.8 116.6
 121 30.8 24.8 37.2

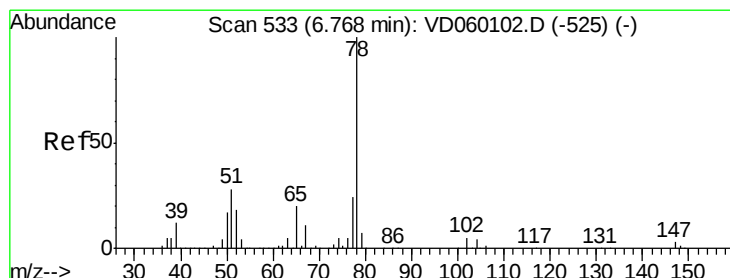
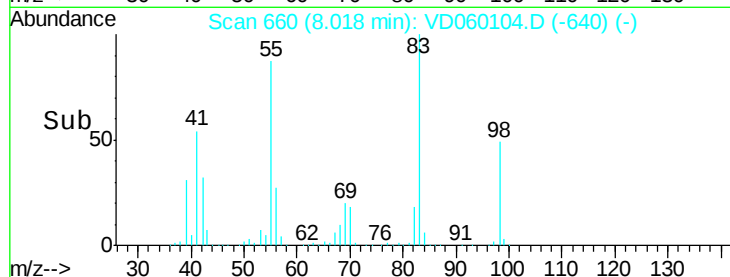
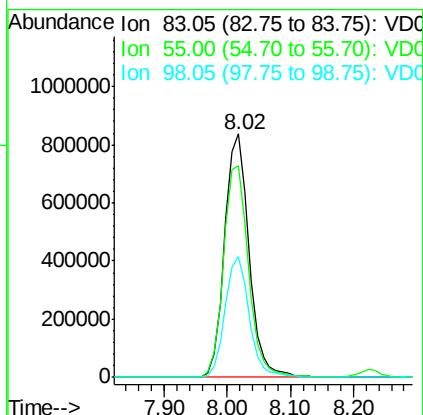
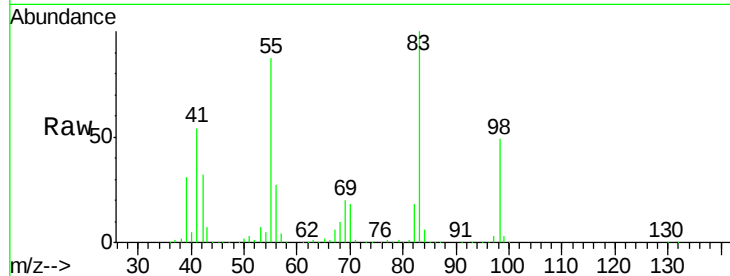




#39
Methylcyclohexane
Concen: 93.327 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

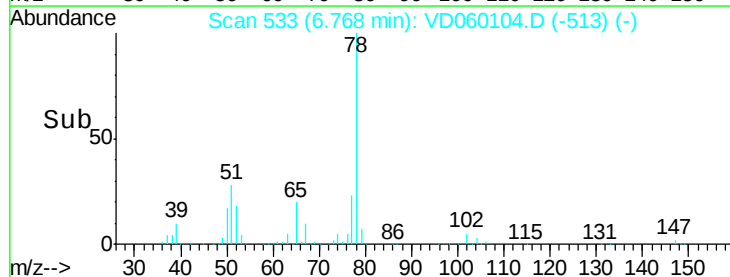
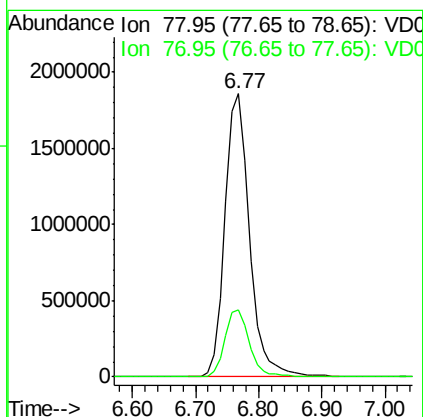
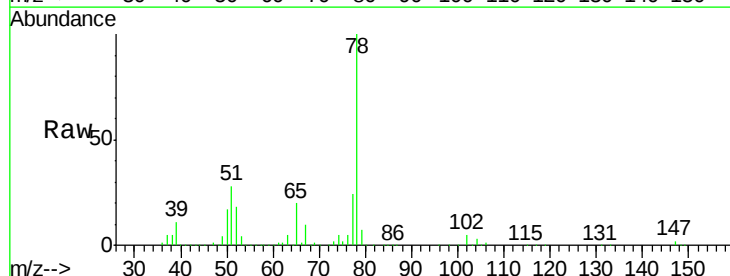
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

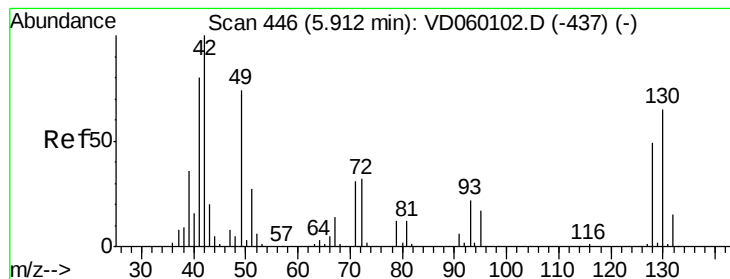
Tgt Ion: 83 Resp: 2250645
Ion Ratio Lower Upper
83 100
55 86.7 70.5 105.7
98 49.4 39.4 59.2



#40
Benzene
Concen: 92.777 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 78 Resp: 5032539
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 185.567 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 1449077

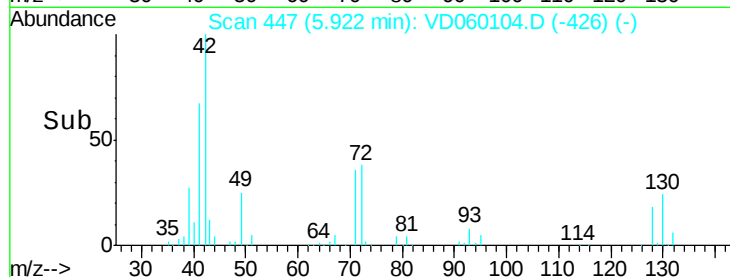
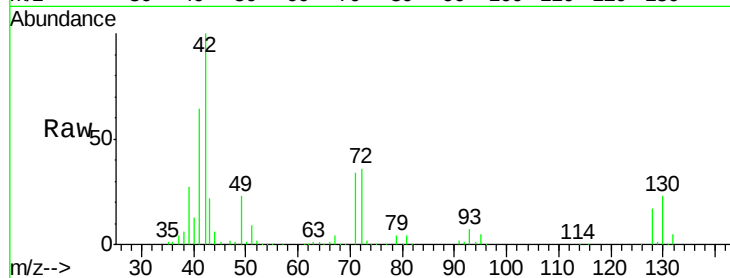
Ion Ratio Lower Upper

41 100

39 42.2 36.0 54.0

67 6.8 13.9 20.9#

52 3.1 6.1 9.1#

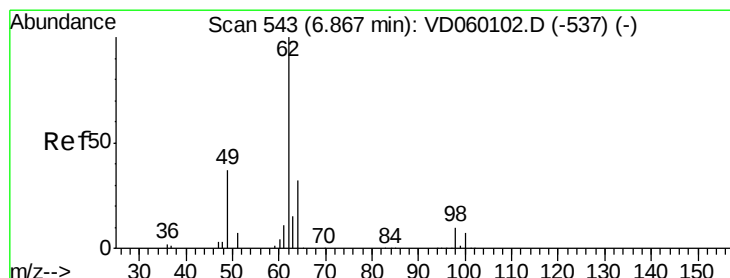
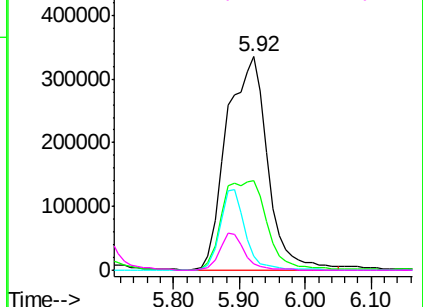


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 92.412 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.00 min

Lab File: VD060104.D

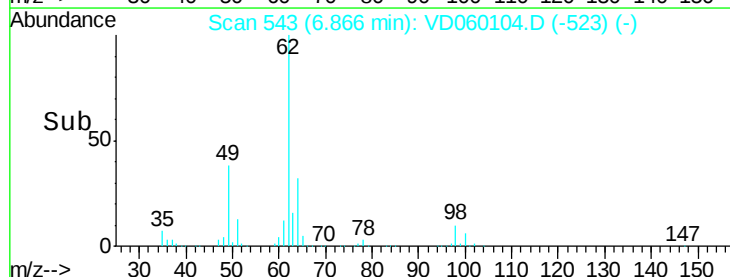
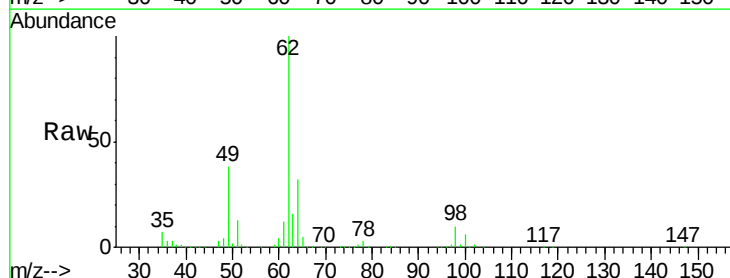
Acq: 1 Oct 2018 18:46

Tgt Ion: 62 Resp: 1503414

Ion Ratio Lower Upper

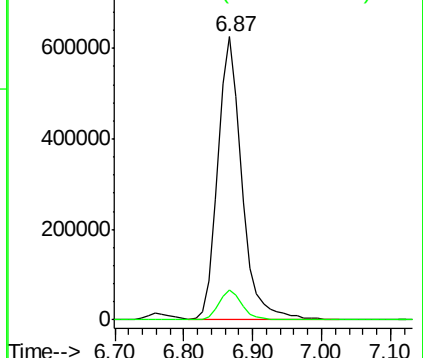
62 100

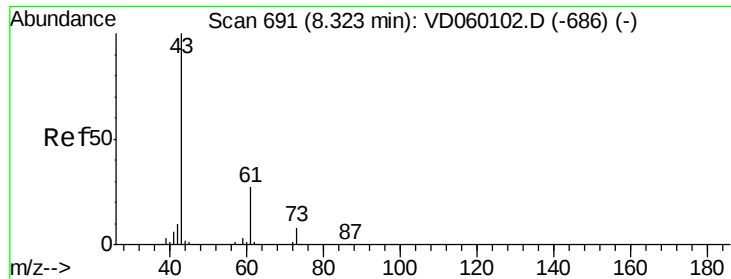
98 10.4 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 90.503 ug/l

RT: 8.32 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

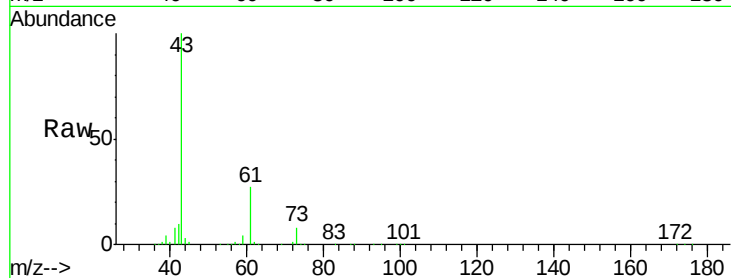
Tgt Ion: 43 Resp: 1760035

Ion Ratio Lower Upper

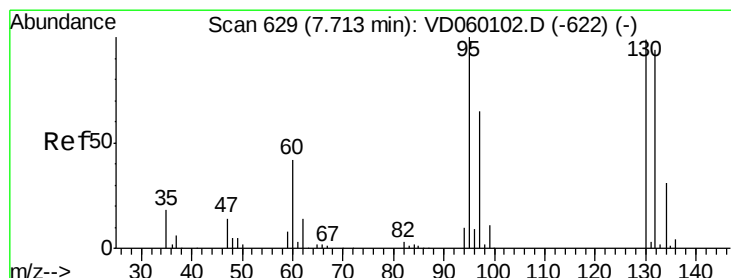
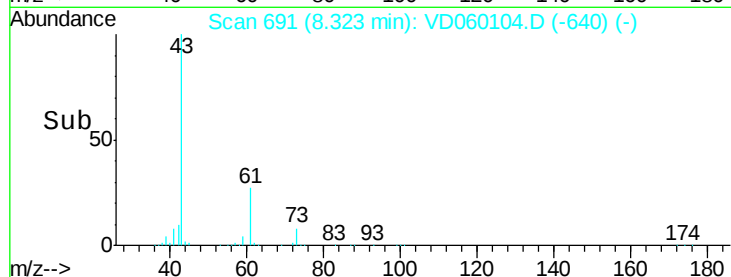
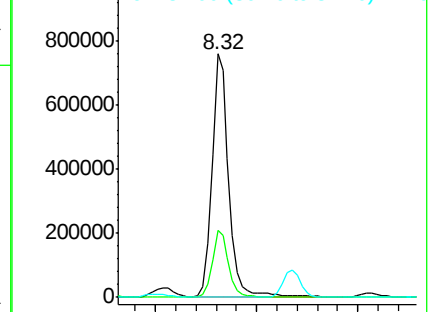
43 100

61 27.3 21.4 32.2

87 0.2 0.2 0.2



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: 97.391 ug/l

RT: 7.71 min Scan# 629

Delta R.T. -0.00 min

Lab File: VD060104.D

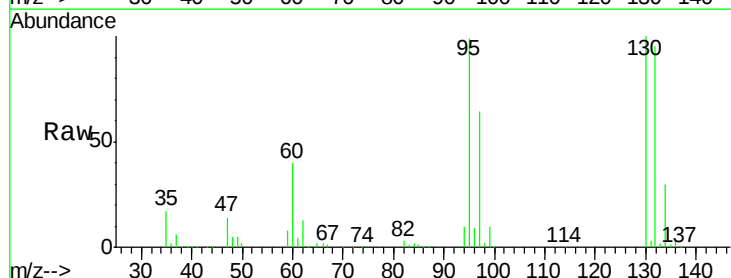
Acq: 1 Oct 2018 18:46

Tgt Ion: 130 Resp: 1640834

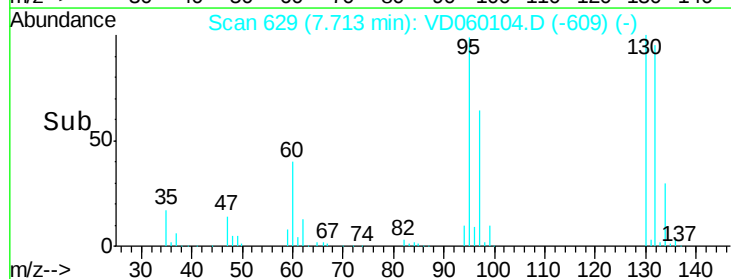
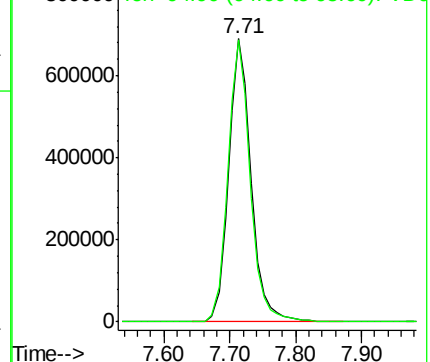
Ion Ratio Lower Upper

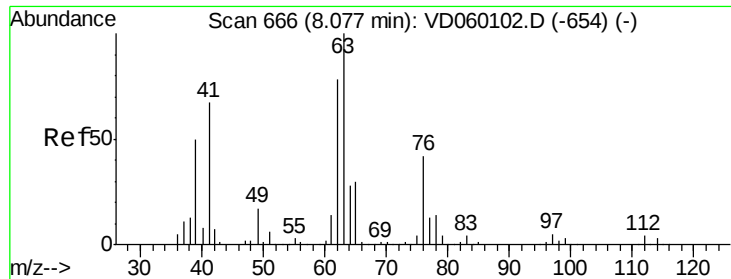
130 100

95 99.5 0.0 202.2



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





#45

1,2-Dichloropropane

Concen: 96.064 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

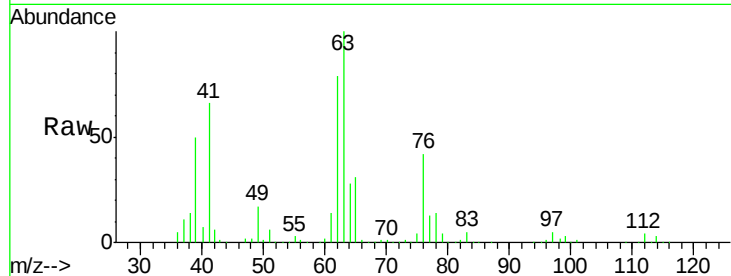
VSTDIC100

Tgt Ion: 63 Resp: 1394809

Ion Ratio Lower Upper

63 100

65 30.8 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.08

600000

500000

400000

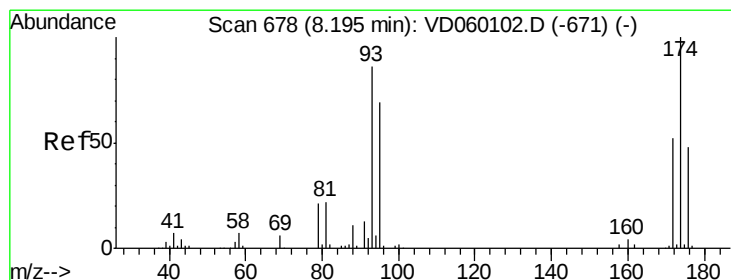
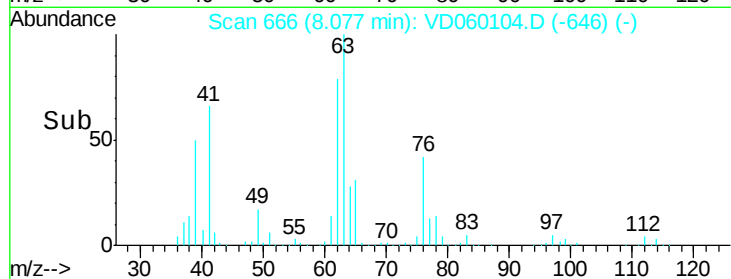
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 95.360 ug/l

RT: 8.19 min Scan# 678

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

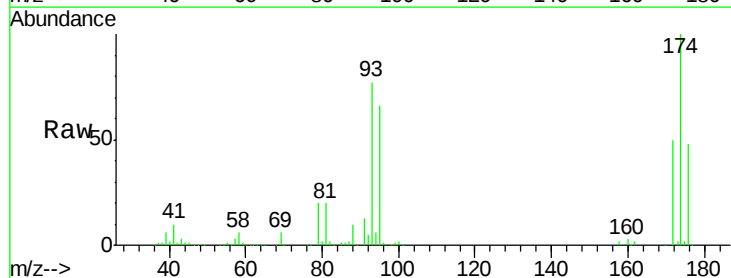
Tgt Ion: 93 Resp: 899967

Ion Ratio Lower Upper

93 100

95 85.2 63.8 95.6

174 129.2 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

600000

500000

400000

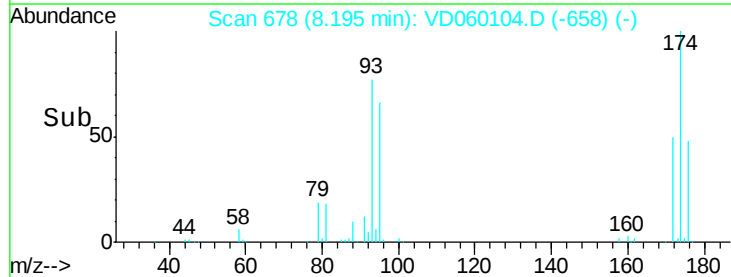
300000

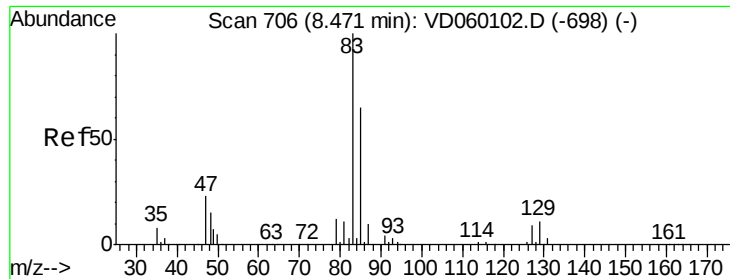
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 94.163 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

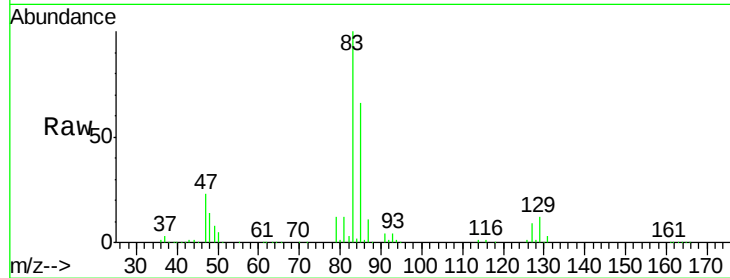
Tgt Ion: 83 Resp: 1921101

Ion Ratio Lower Upper

83 100

85 65.9 52.2 78.2

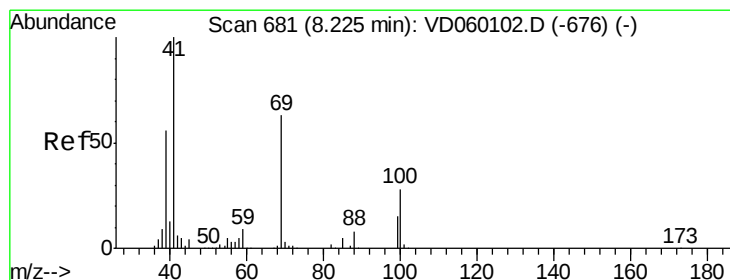
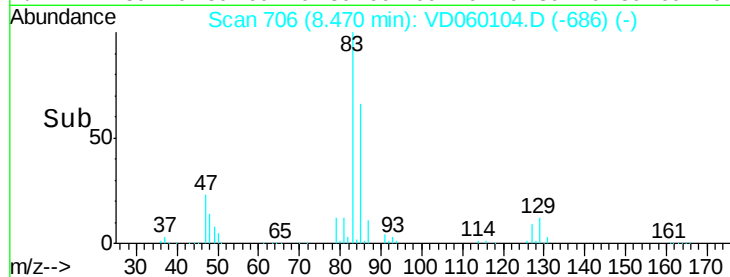
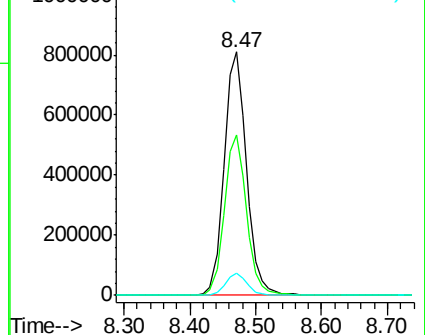
127 9.3 7.4 11.0



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: 94.017 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

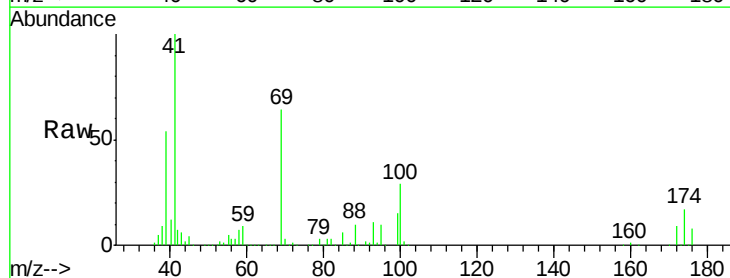
Tgt Ion: 41 Resp: 1019298

Ion Ratio Lower Upper

41 100

69 64.3 49.7 74.5

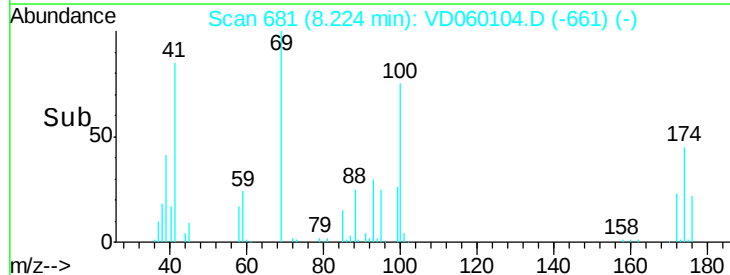
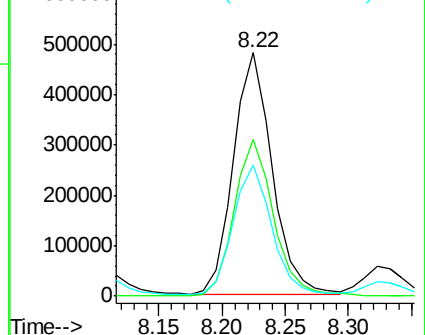
39 53.8 45.2 67.8

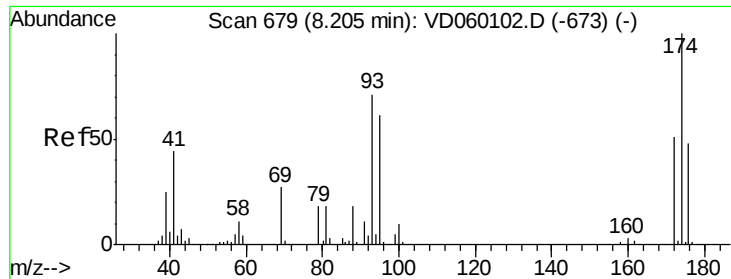


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

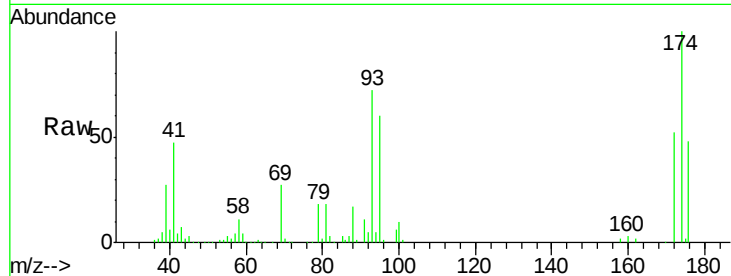




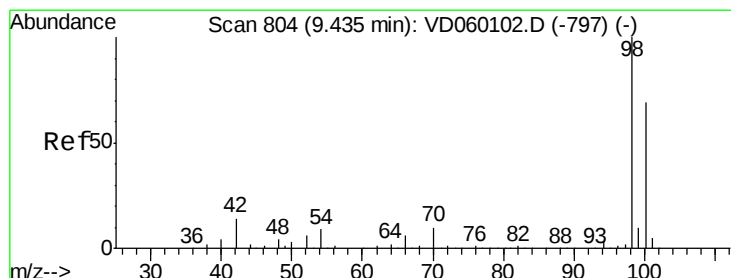
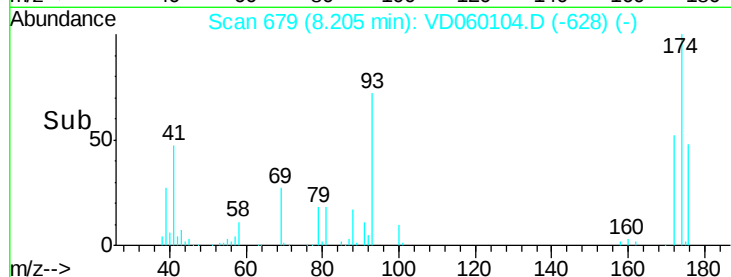
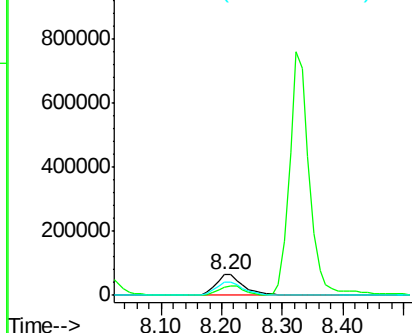
#49
1,4-Dioxane
Concen: 1889.763 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 203886
Ion Ratio Lower Upper
88 100
43 41.2 33.7 50.5
58 64.6 49.1 73.7

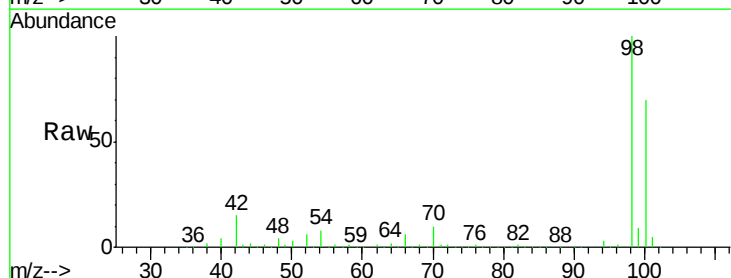


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

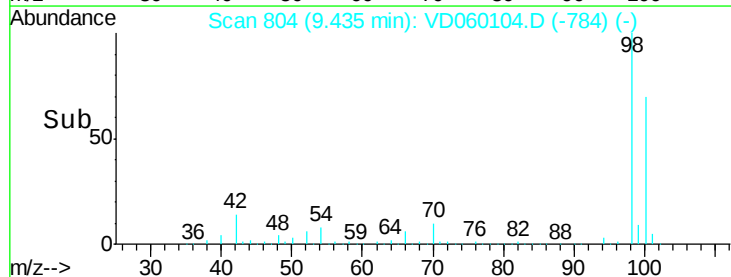
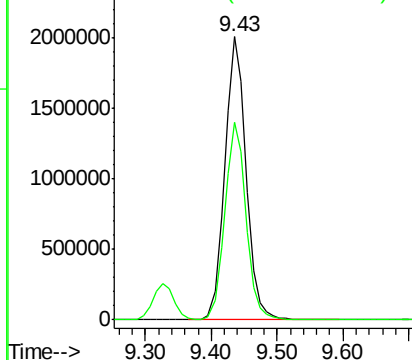


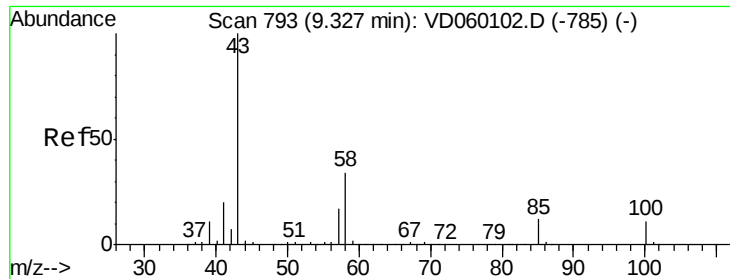
#50
Toluene-d8
Concen: 1889.763 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 98 Resp: 4516526
Ion Ratio Lower Upper
98 100
100 70.0 55.4 83.0



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: 400.261 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

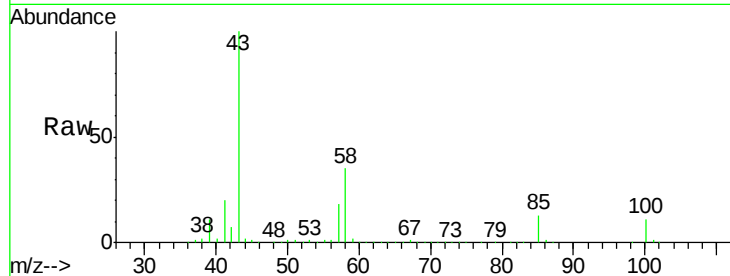
VSTDIC100

Tgt Ion: 43 Resp: 5339939

Ion Ratio Lower Upper

43 100

58 34.5 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

2500000

2000000

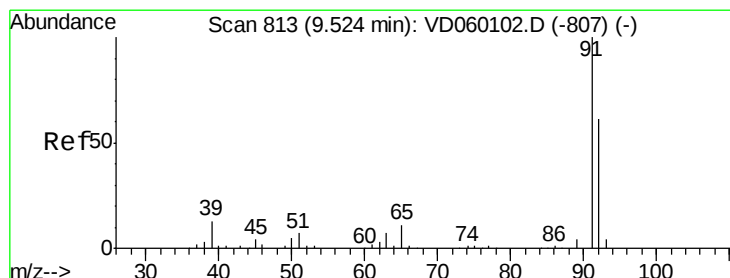
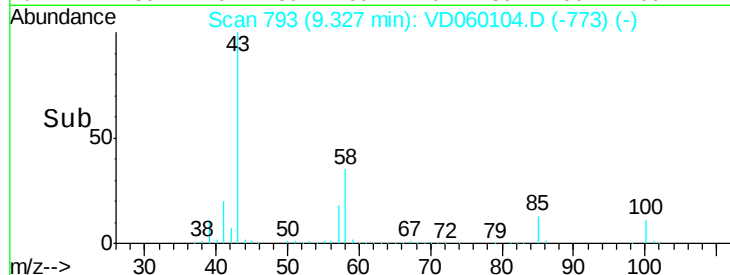
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 93.848 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060104.D

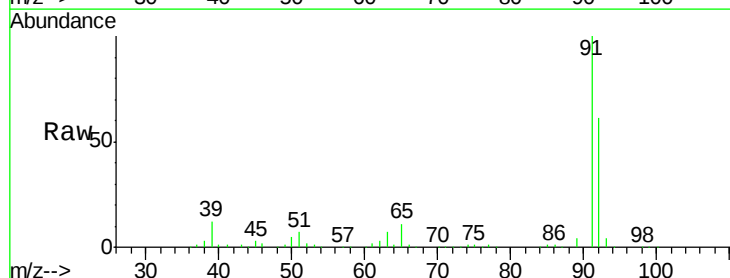
Acq: 1 Oct 2018 18:46

Tgt Ion: 92 Resp: 3285553

Ion Ratio Lower Upper

92 100

91 162.9 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

2500000

2000000

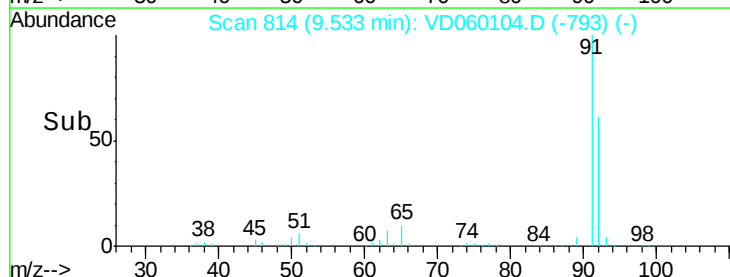
1500000

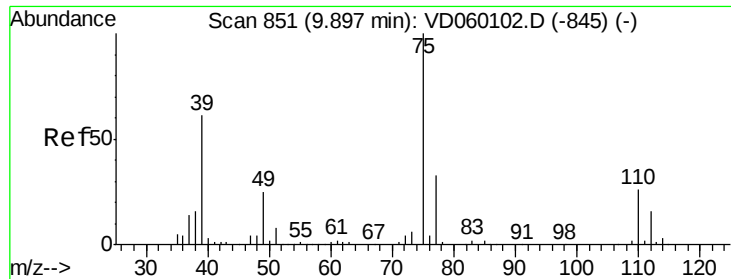
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 93.221 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

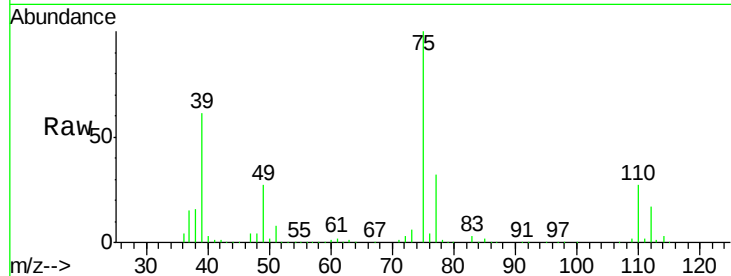
VSTDIC100

Tgt Ion: 75 Resp: 1776110

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

800000

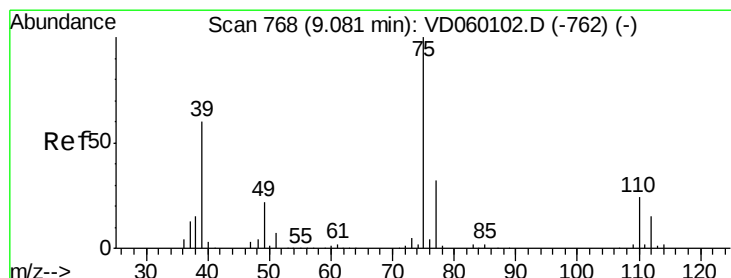
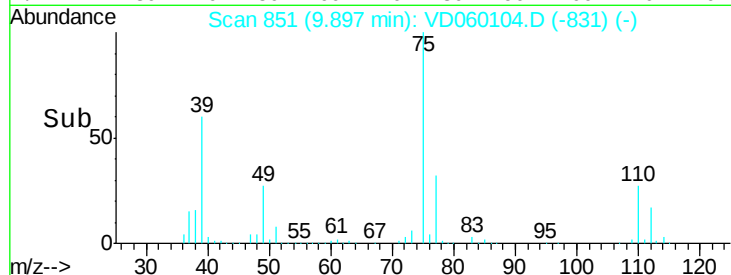
600000

400000

200000

0

Time--> 9.80 9.90 10.00 10.10



#54

cis-1,3-Dichloropropene

Concen: 94.093 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

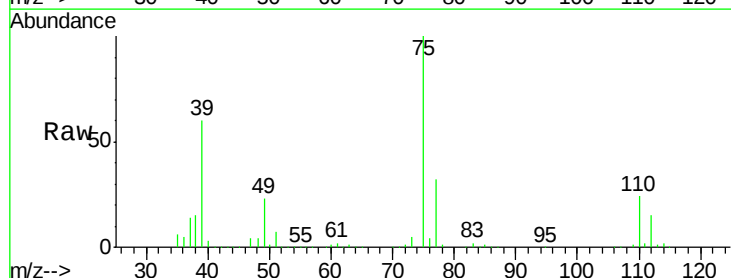
Tgt Ion: 75 Resp: 2139051

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 60.5 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

1200000

1000000

800000

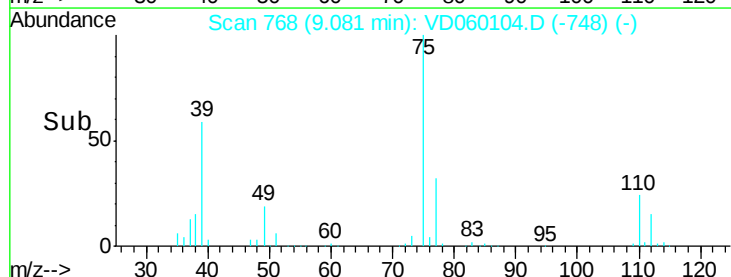
600000

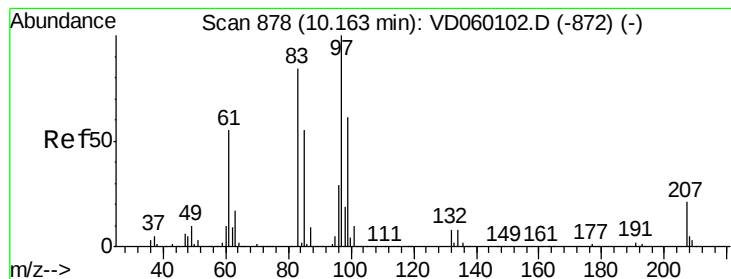
400000

200000

0

Time--> 8.90 9.00 9.10 9.20 9.30





#55

1,1,2-Trichloroethane

Concen: 88.851 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 1078846

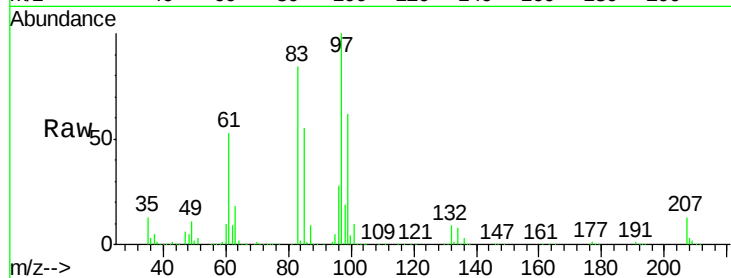
Ion Ratio Lower Upper

97 100

83 84.4 67.0 100.6

85 55.4 43.9 65.9

99 61.8 49.1 73.7

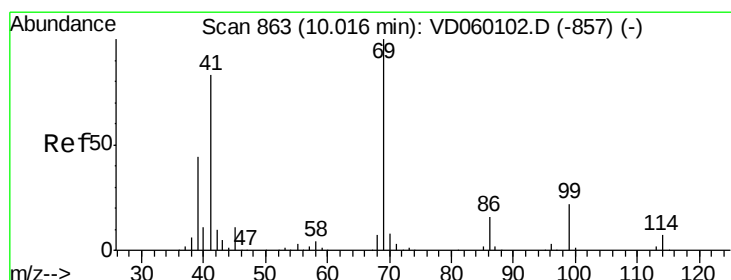
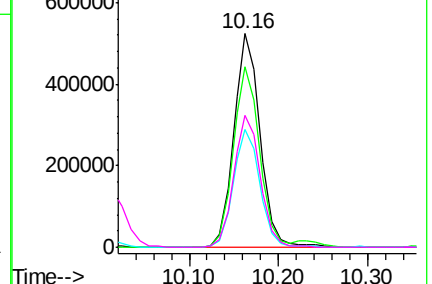
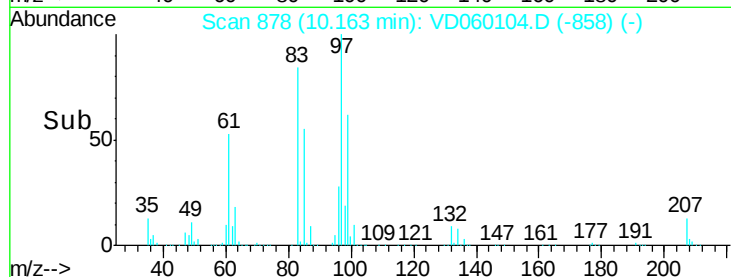


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 93.659 ug/l

RT: 10.02 min Scan# 863

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

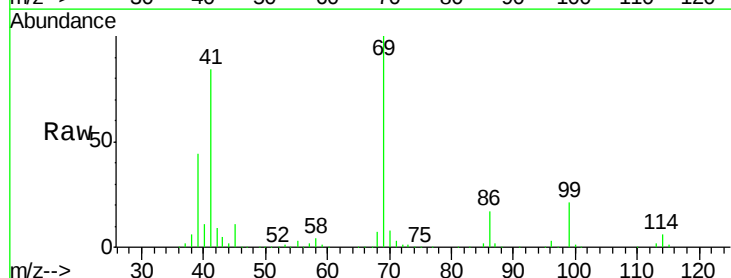
Tgt Ion: 69 Resp: 1253583

Ion Ratio Lower Upper

69 100

41 84.1 66.6 100.0

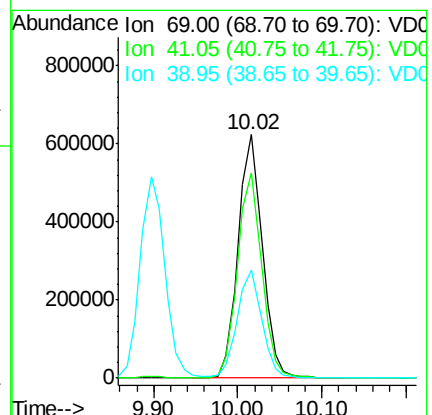
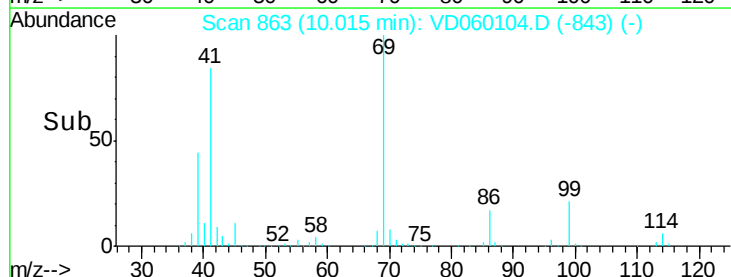
39 44.1 36.0 54.0

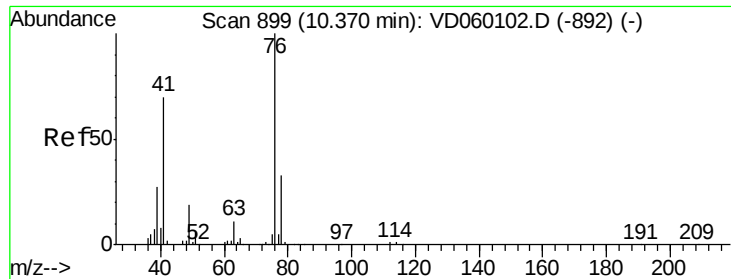


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 95.288 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

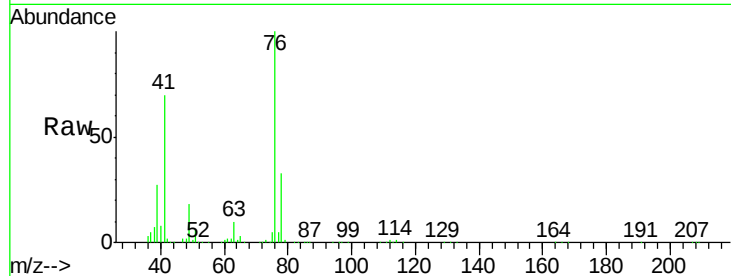
VSTDIC100

Tgt Ion: 76 Resp: 1703953

Ion Ratio Lower Upper

76 100

78 32.8 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

1000000

800000

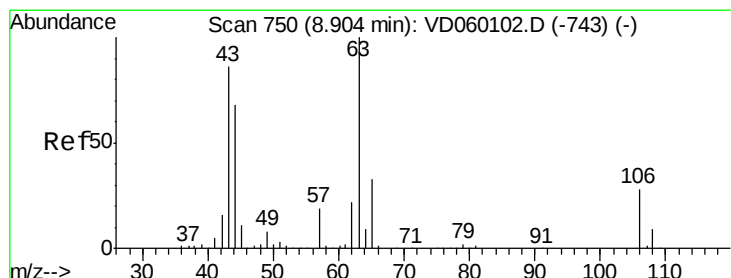
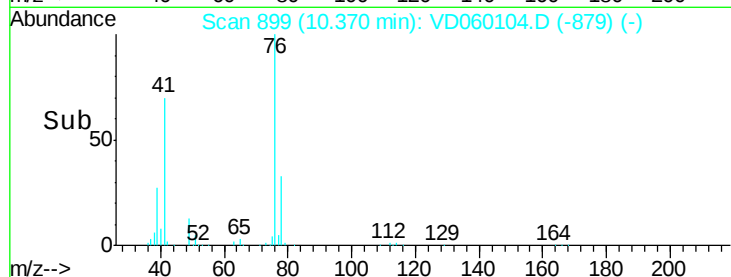
600000

400000

200000

0

Time--> 10.20 10.40 10.60



#58

2-Chloroethyl Vinyl ether

Concen: 475.349 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD060104.D

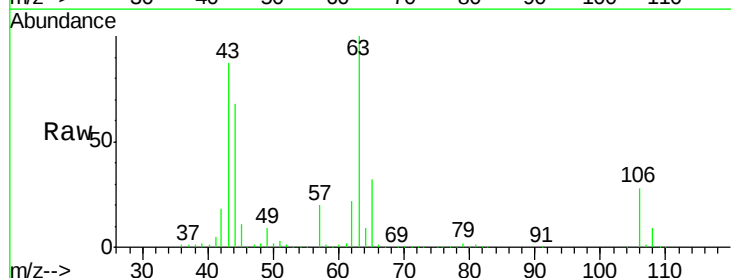
Acq: 1 Oct 2018 18:46

Tgt Ion: 63 Resp: 3137376

Ion Ratio Lower Upper

63 100

106 28.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

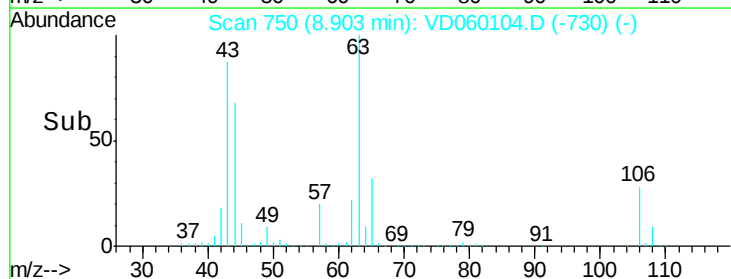
1500000

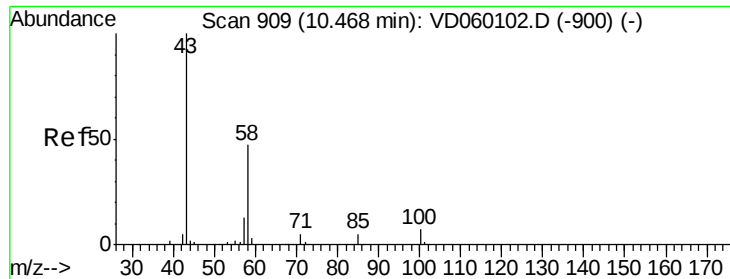
1000000

500000

0

Time--> 8.80 8.90 9.00 9.10

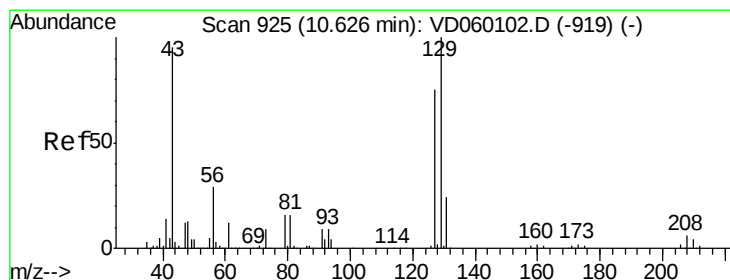
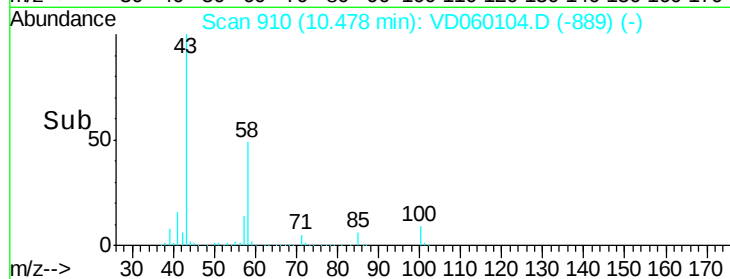
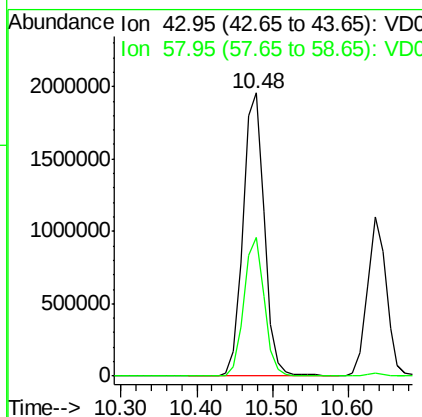
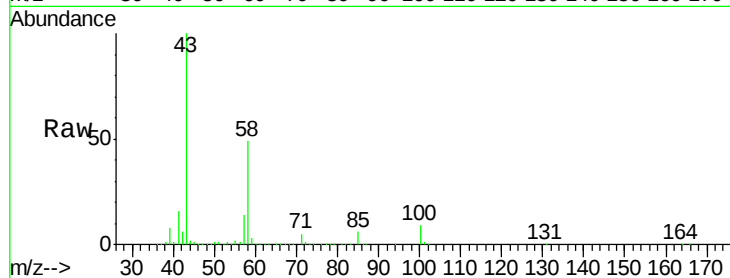




#59
2-Hexanone
Concen: 392.236 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

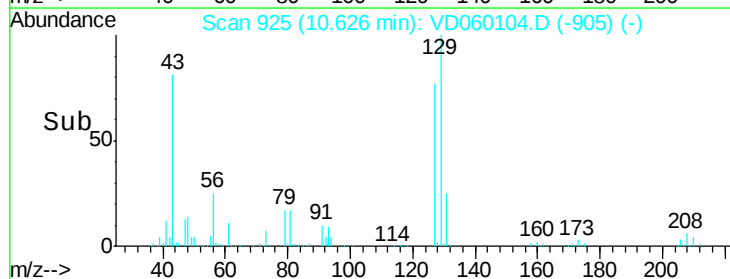
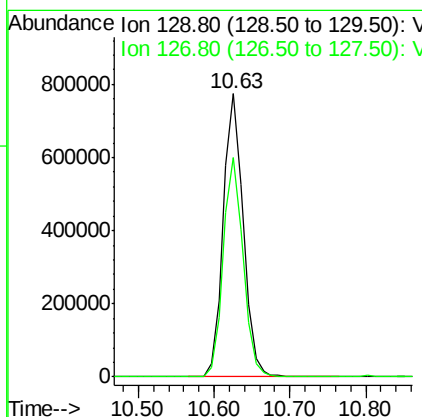
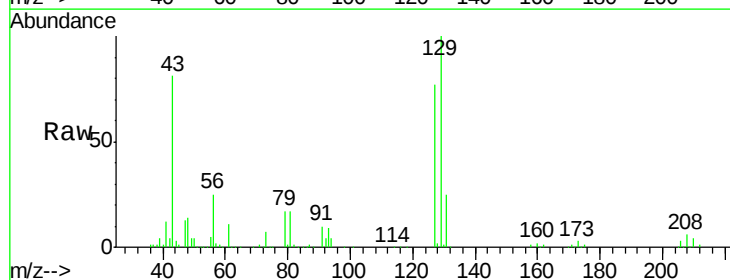
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

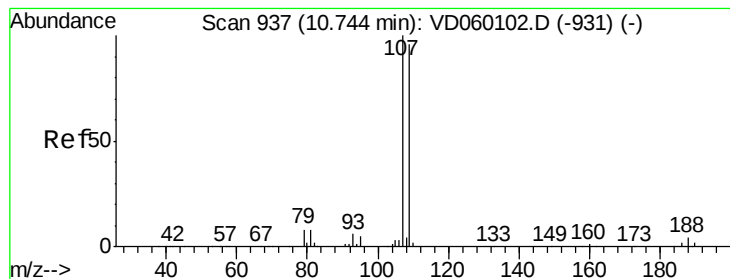
Tgt Ion: 43 Resp: 3776096
Ion Ratio Lower Upper
43 100
58 48.9 23.3 69.9



#60
Dibromochloromethane
Concen: 97.148 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 129 Resp: 1423188
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.2





#61

1,2-Dibromoethane

Concen: 97.066 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

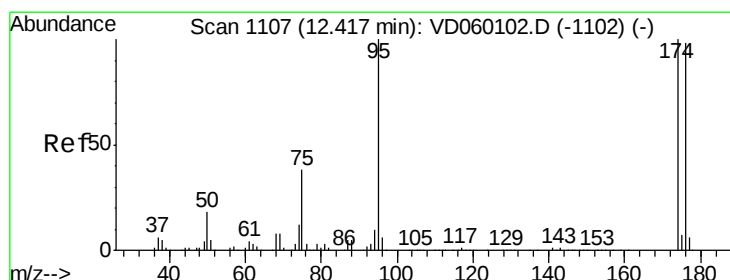
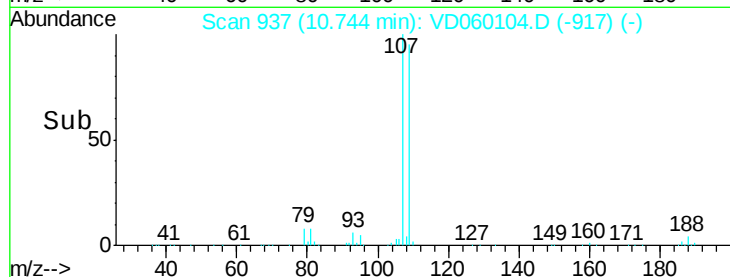
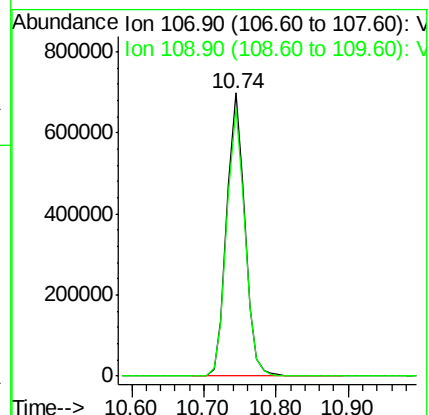
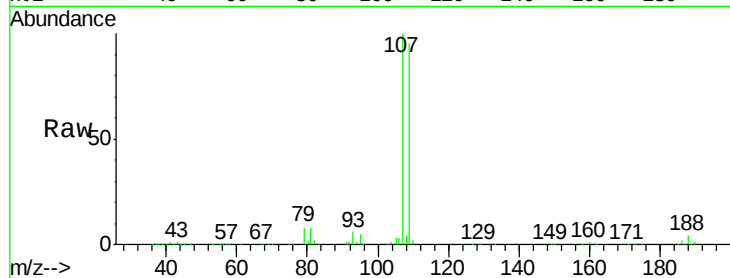
VSTDIC100

Tgt Ion: 107 Resp: 1216528

Ion Ratio Lower Upper

107 100

109 94.6 77.1 115.7



#62

4-Bromofluorobenzene

Concen: 97.066 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

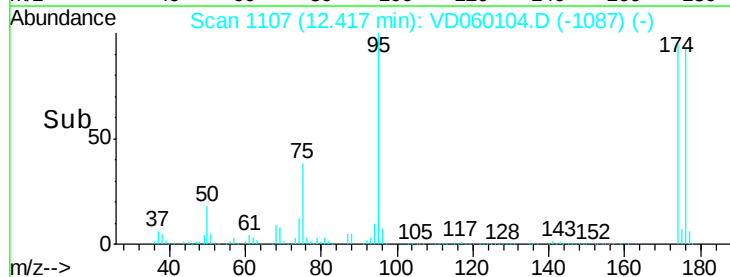
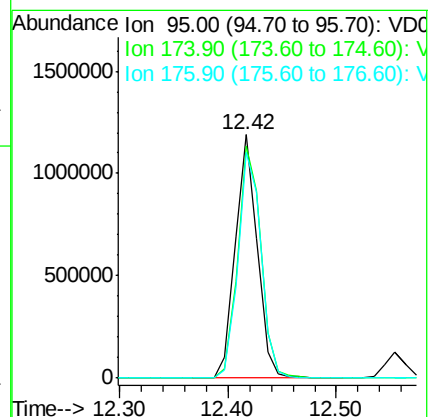
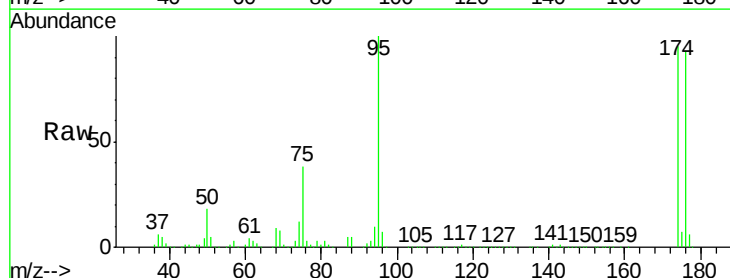
Tgt Ion: 95 Resp: 1678491

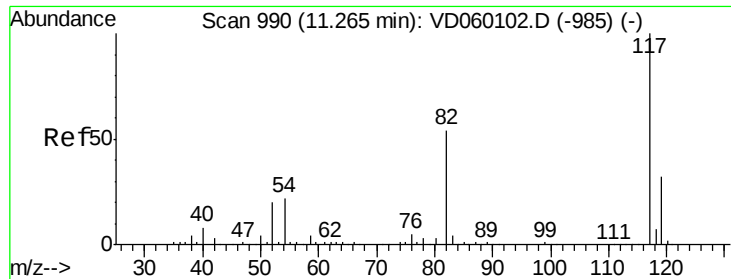
Ion Ratio Lower Upper

95 100

174 95.1 0.0 200.2

176 92.6 0.0 195.6

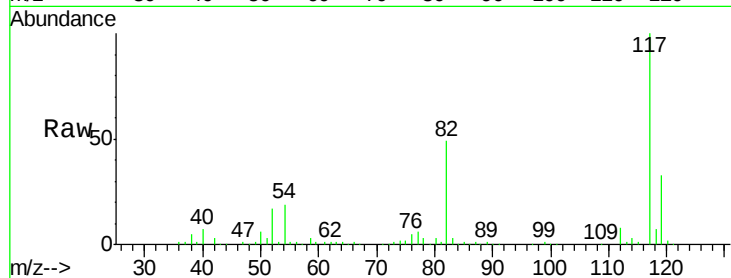




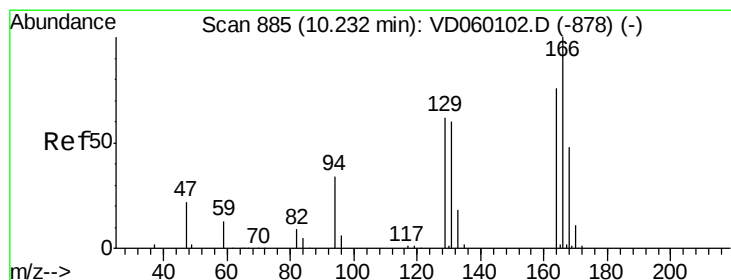
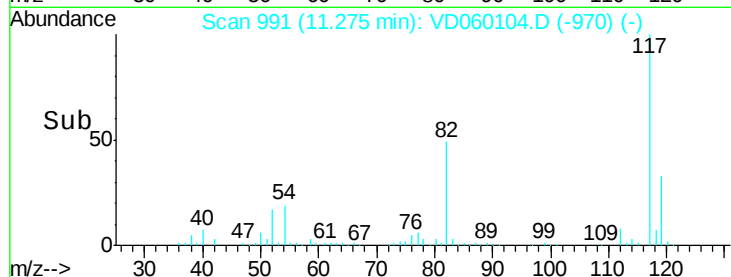
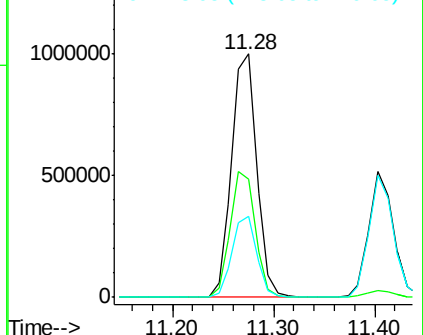
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 1726995
Ion Ratio Lower Upper
117 100
82 48.8 43.4 65.2
119 33.4 26.0 39.0

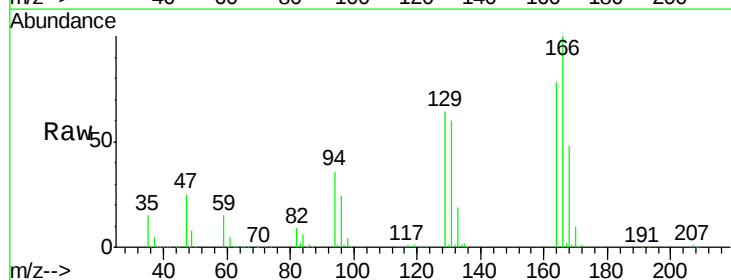


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

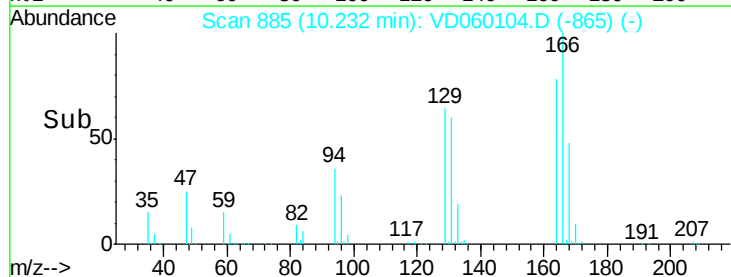
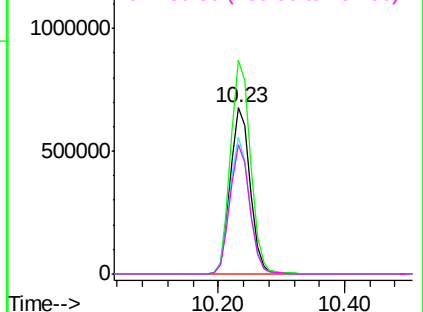


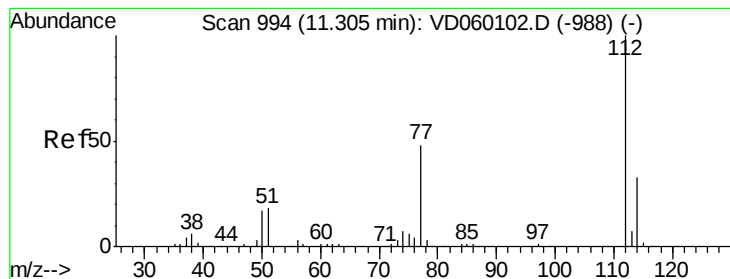
#64
Tetrachloroethene
Concen: 97.159 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion:164 Resp: 1461440
Ion Ratio Lower Upper
164 100
166 128.4 105.4 158.0
129 82.1 65.7 98.5
131 77.4 62.9 94.3



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





#65

Chlorobenzene

Concen: 96.416 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

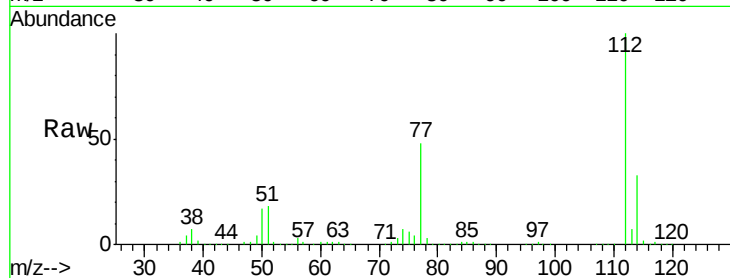
VSTDIC100

Tgt Ion:112 Resp: 3540685

Ion Ratio Lower Upper

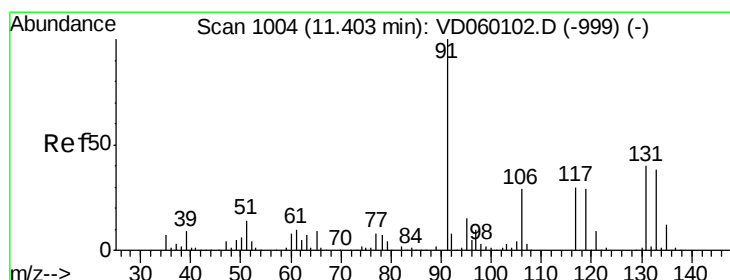
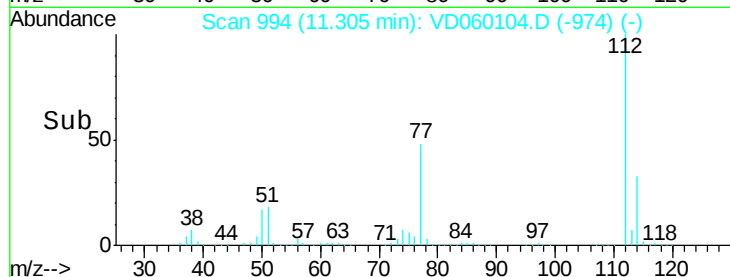
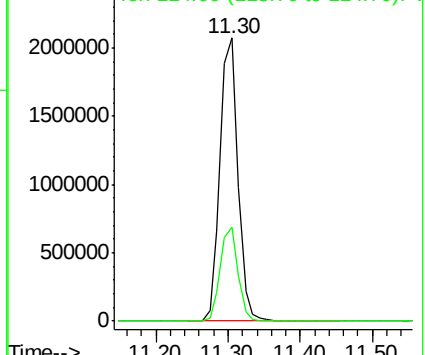
112 100

114 33.1 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: 94.866 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

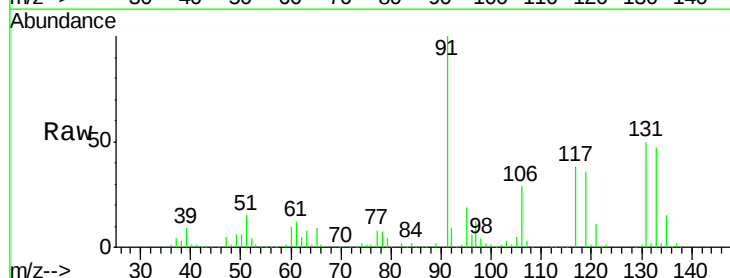
Tgt Ion:131 Resp: 1172057

Ion Ratio Lower Upper

131 100

133 94.1 47.4 142.3

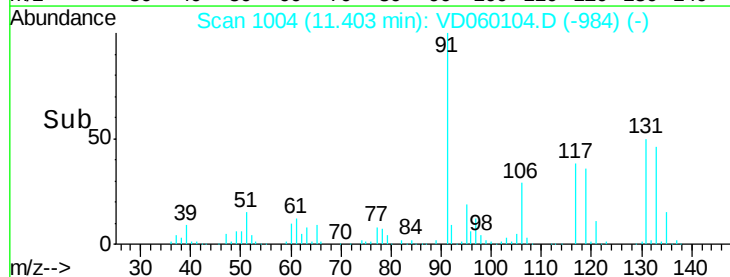
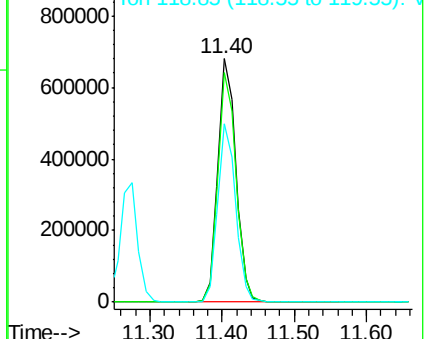
119 73.4 36.1 108.3



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

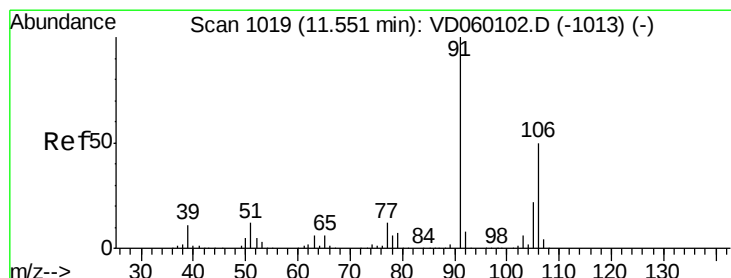
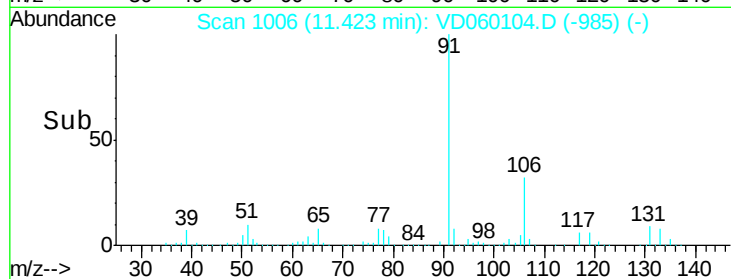
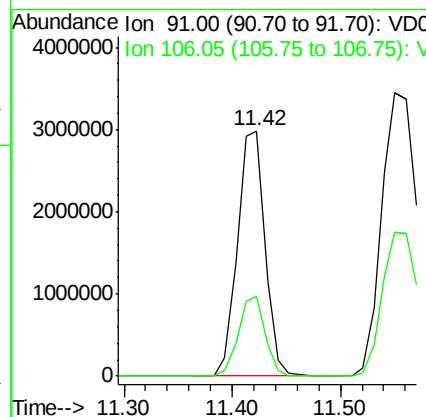
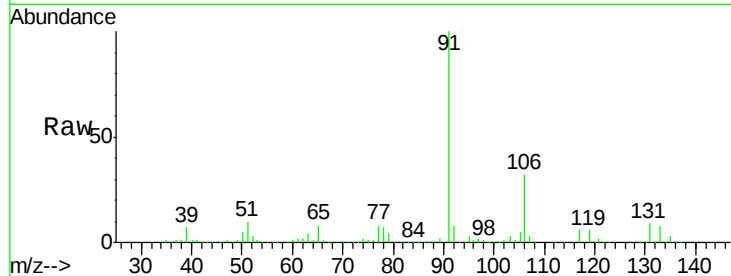




#67
Ethyl Benzene
Concen: 89.553 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

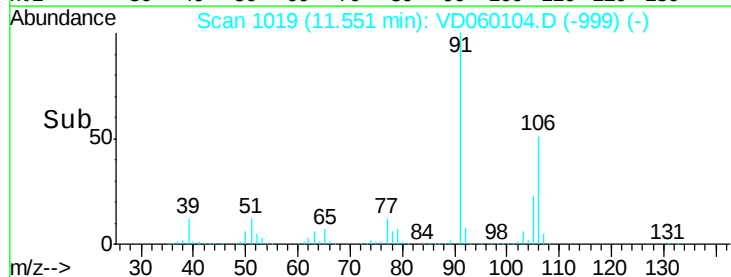
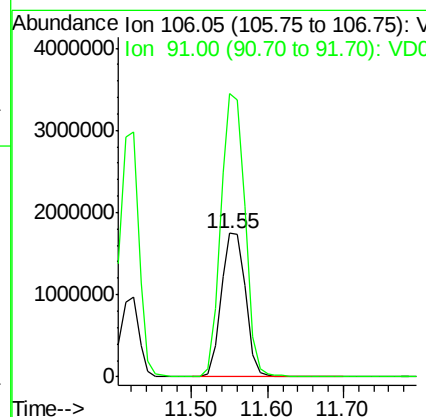
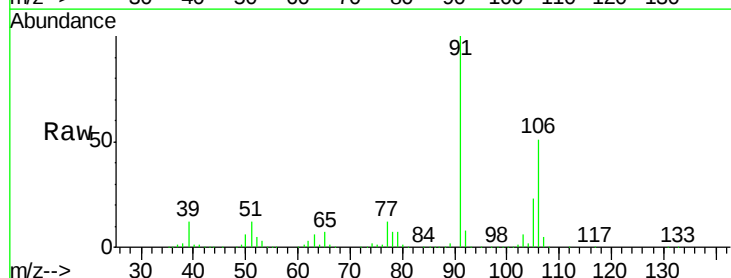
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 5280431
Ion Ratio Lower Upper
91 100
106 32.3 24.4 36.6



#68
m/p-Xylenes
Concen: 178.711 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 106 Resp: 3881069
Ion Ratio Lower Upper
106 100
91 197.2 160.0 240.0

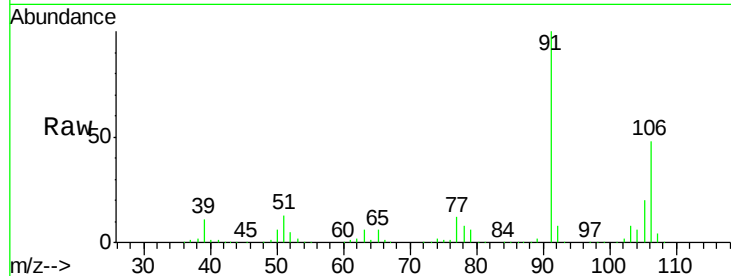




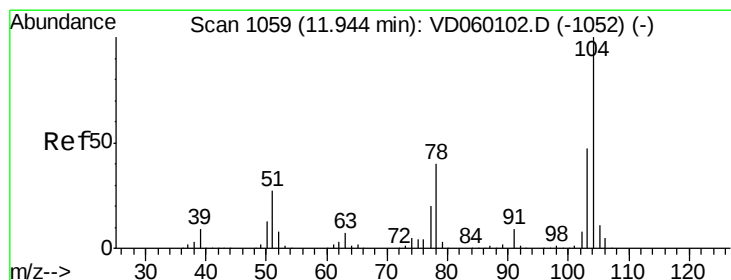
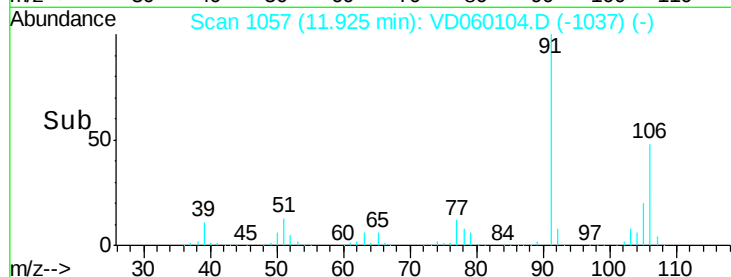
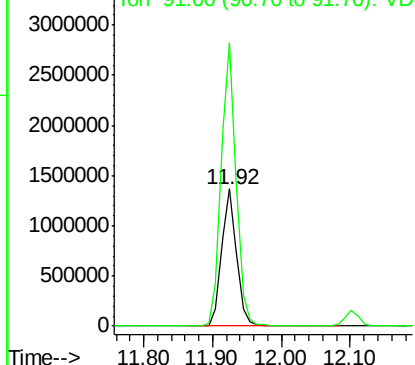
#69
o-Xylene
Concen: 93.969 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 2035153
Ion Ratio Lower Upper
106 100
91 206.6 102.5 307.5

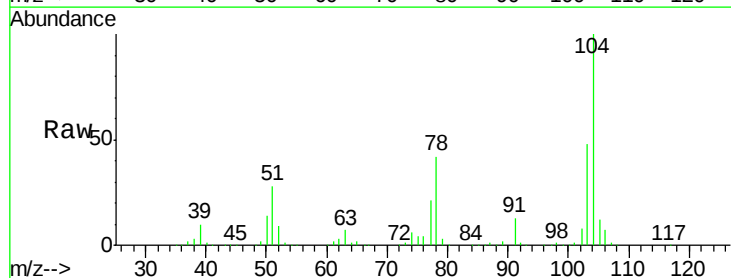


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

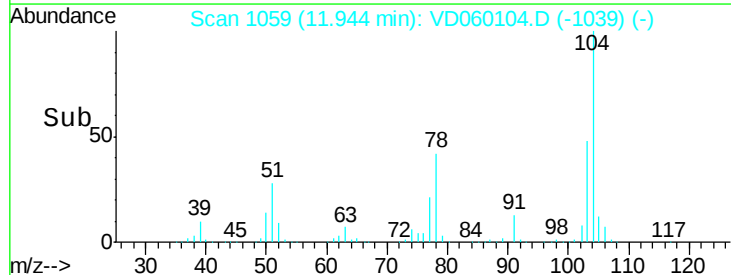
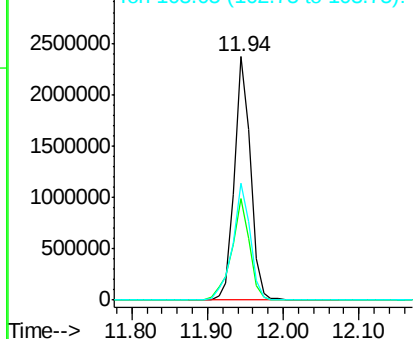


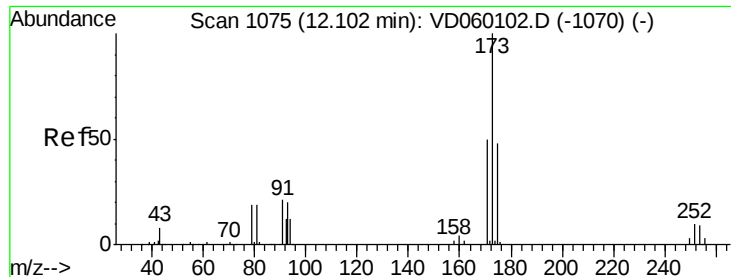
#70
Styrene
Concen: 94.165 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion:104 Resp: 3424438
Ion Ratio Lower Upper
104 100
78 41.5 32.2 48.4
103 47.9 37.4 56.0



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: 102.336 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

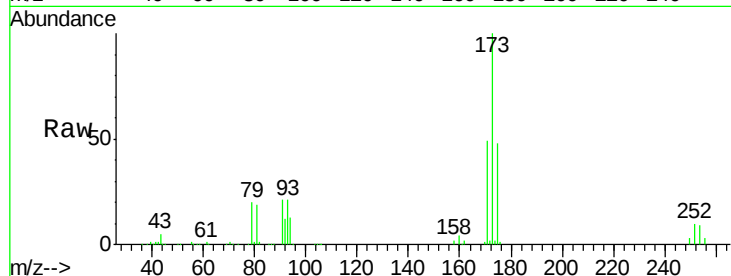
Tgt Ion:173 Resp: 1082156

Ion Ratio Lower Upper

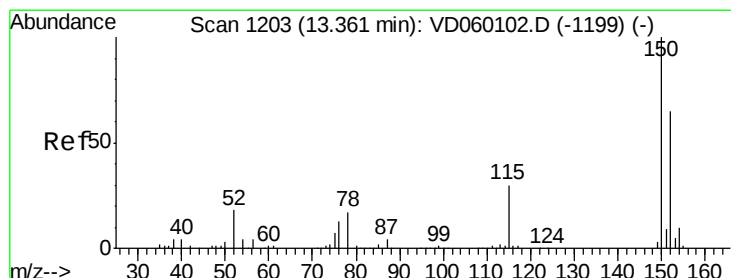
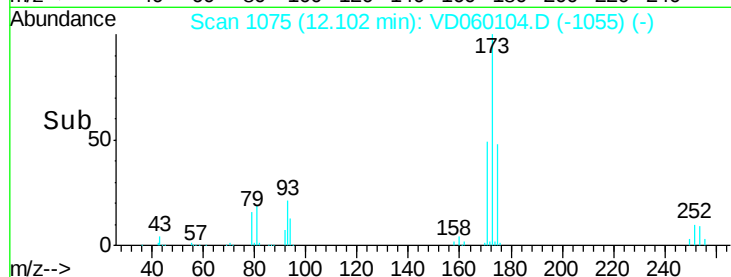
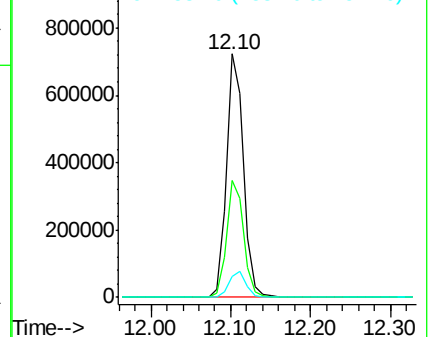
173 100

175 48.3 24.1 72.4

254 8.8 7.4 11.0



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: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

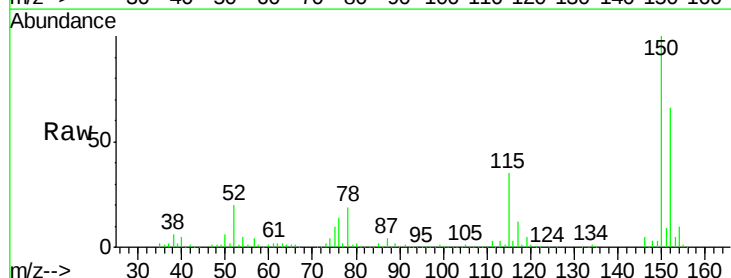
Tgt Ion:152 Resp: 898811

Ion Ratio Lower Upper

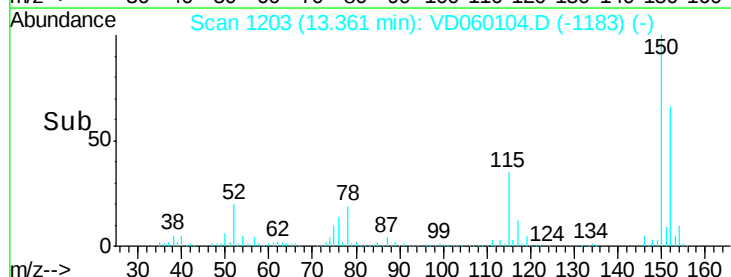
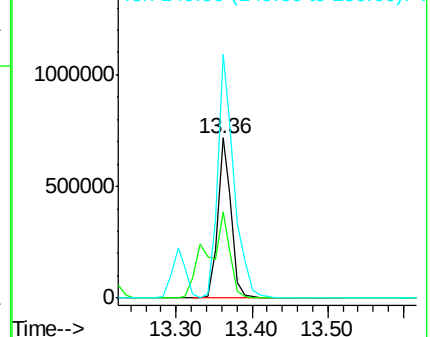
152 100

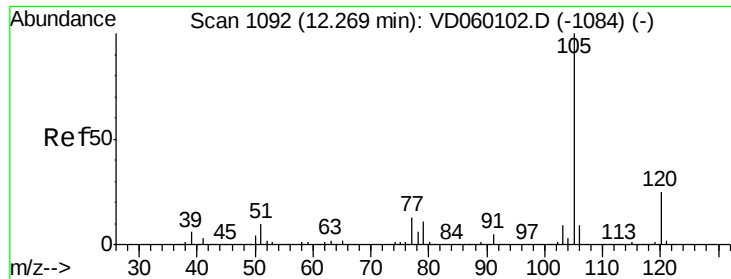
115 53.5 27.1 81.2

150 152.2 0.0 311.8



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





#73

Isopropylbenzene

Concen: 93.640 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

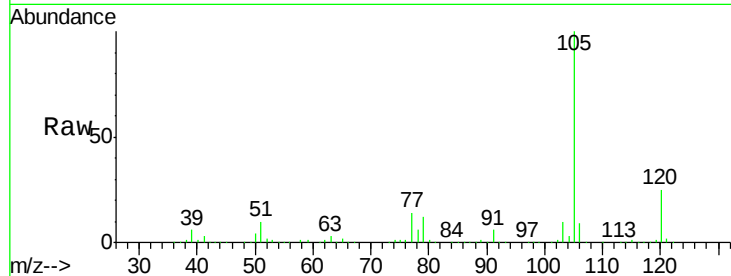
VSTDIC100

Tgt Ion:105 Resp: 5469023

Ion Ratio Lower Upper

105 100

120 25.4 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

4000000

3000000

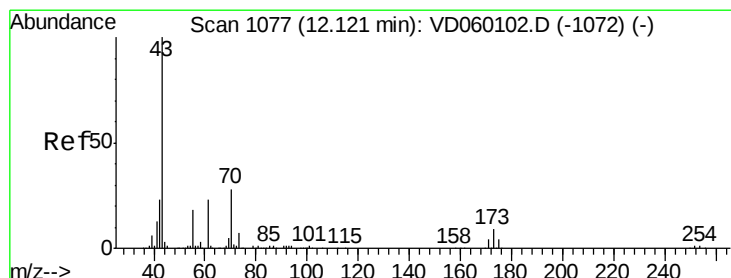
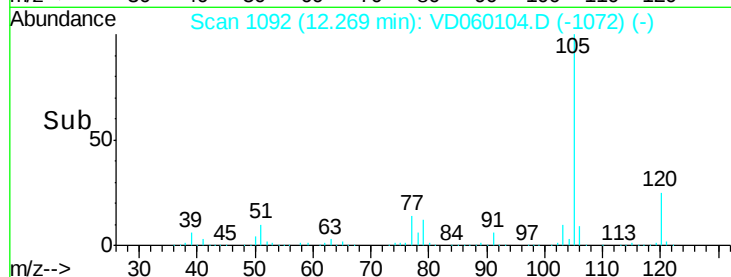
2000000

1000000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 92.698 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Tgt Ion: 43 Resp: 2130869

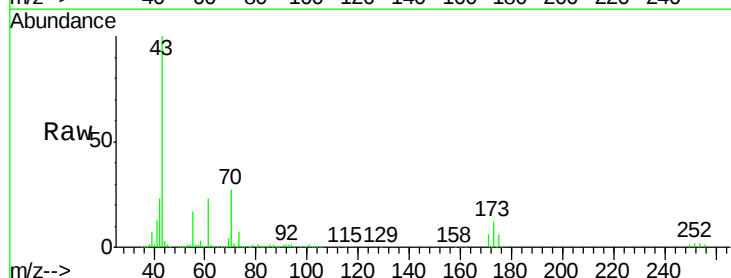
Ion Ratio Lower Upper

43 100

70 27.5 22.1 33.1

55 17.0 14.1 21.1

61 23.0 18.4 27.6



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

2000000

1500000

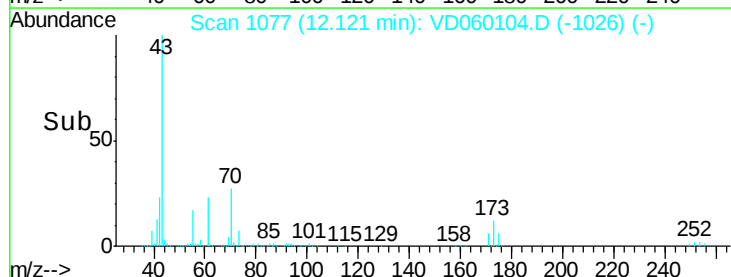
1000000

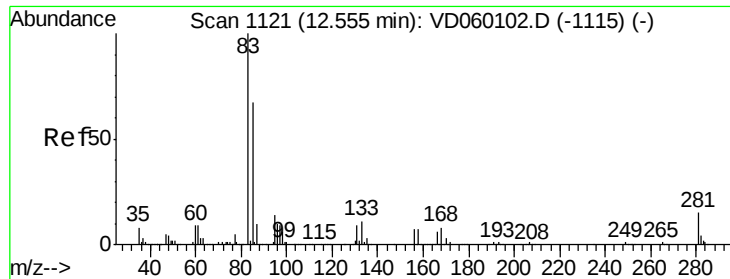
500000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 95.827 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

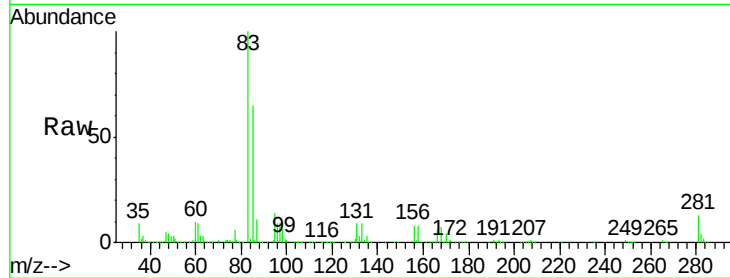
Tgt Ion: 83 Resp: 1268572

Ion Ratio Lower Upper

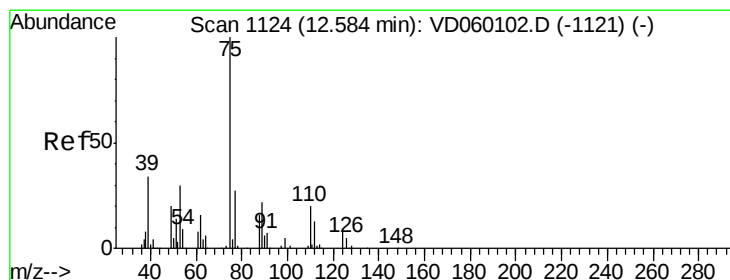
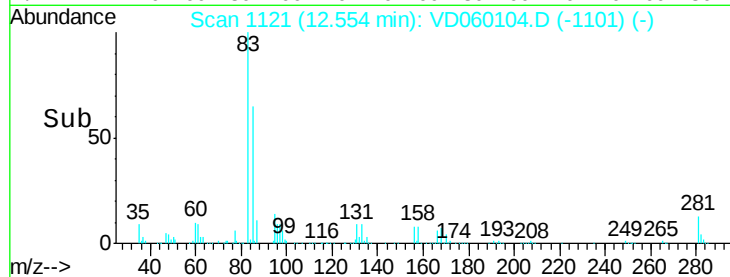
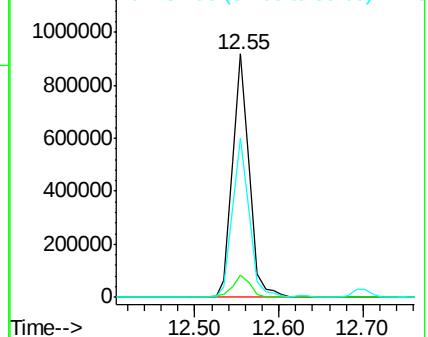
83 100

131 9.2 4.5 13.4

85 65.5 33.3 99.9



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: 93.757 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060104.D

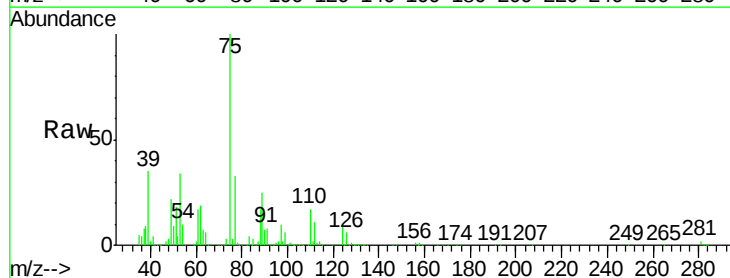
Acq: 1 Oct 2018 18:46

Tgt Ion: 75 Resp: 1266545

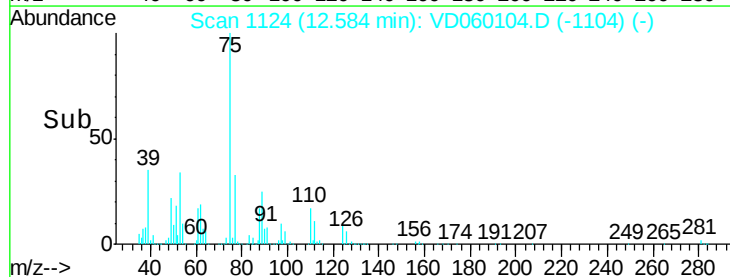
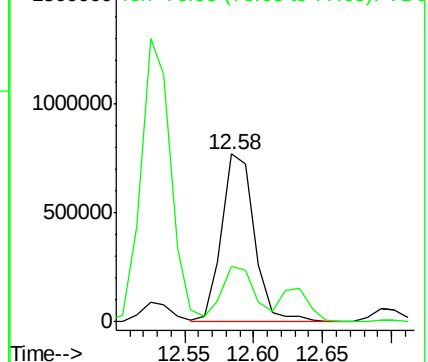
Ion Ratio Lower Upper

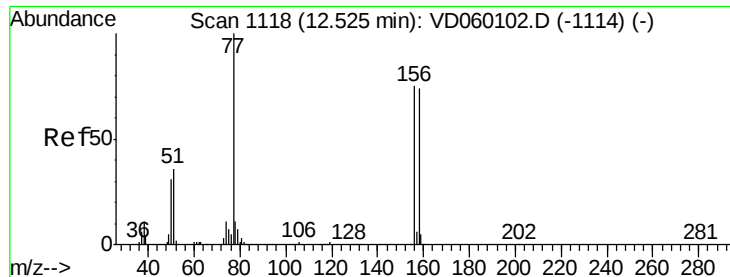
75 100

77 33.0 16.3 48.9



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





#77

Bromobenzene

Concen: 98.869 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

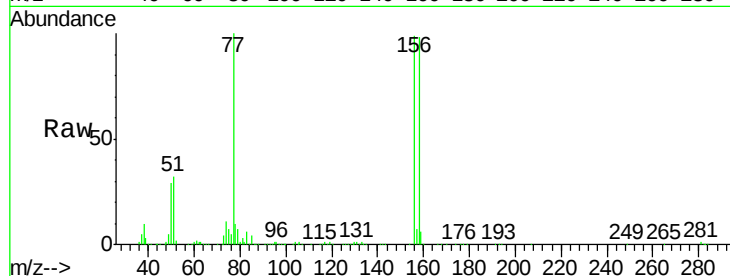
Tgt Ion:156 Resp: 1673081

Ion Ratio Lower Upper

156 100

77 100.7 66.9 200.7

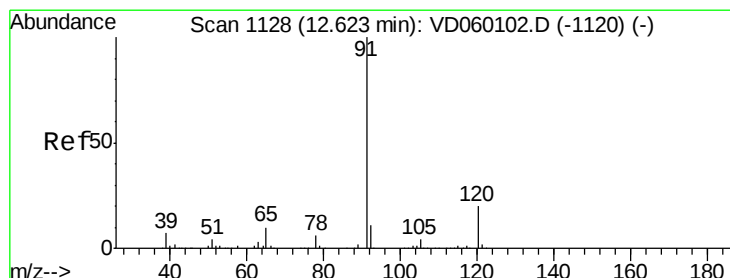
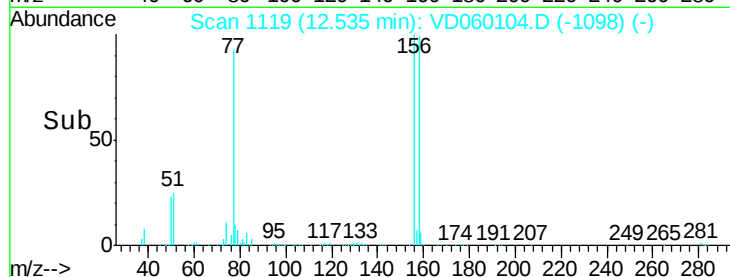
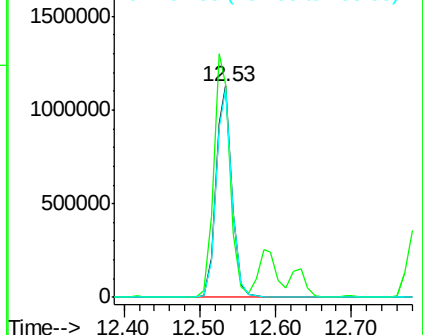
158 99.0 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 90.431 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060104.D

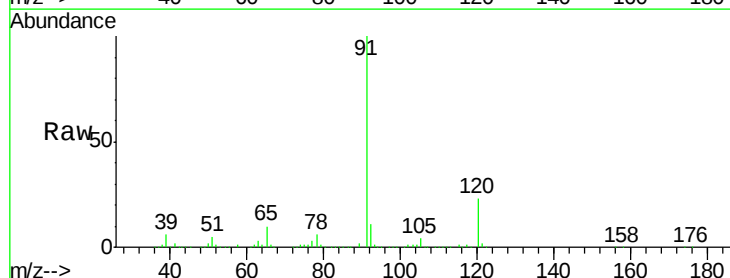
Acq: 1 Oct 2018 18:46

Tgt Ion: 91 Resp: 6621182

Ion Ratio Lower Upper

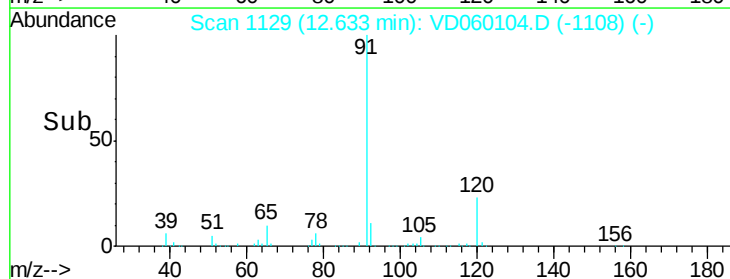
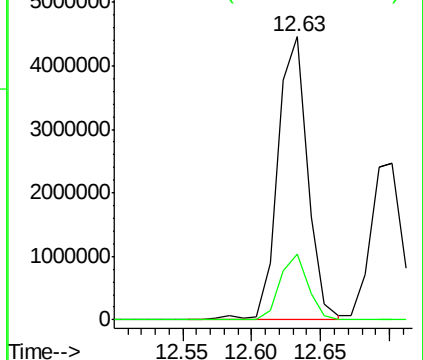
91 100

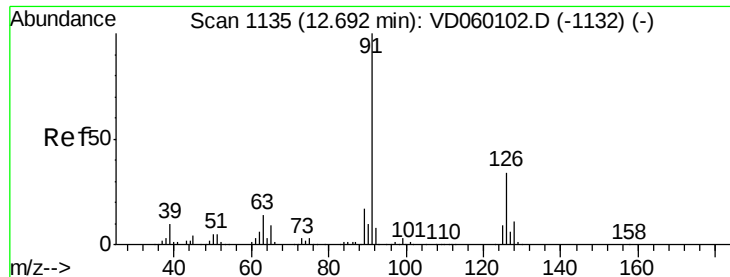
120 23.2 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

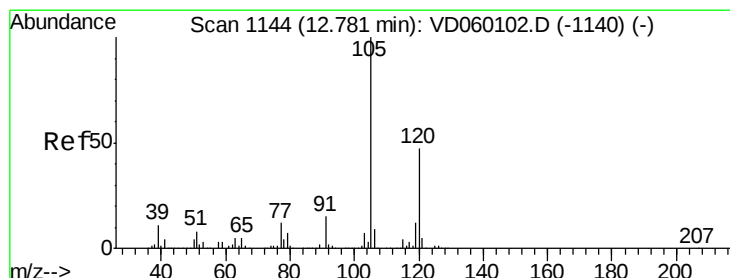
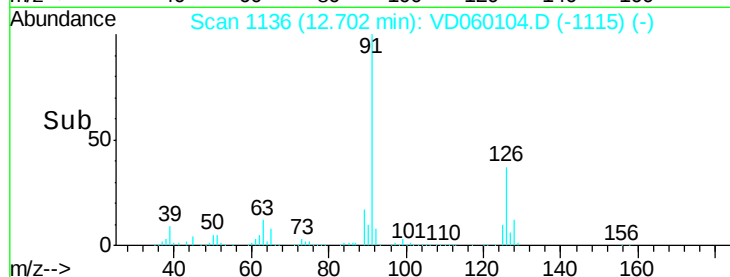
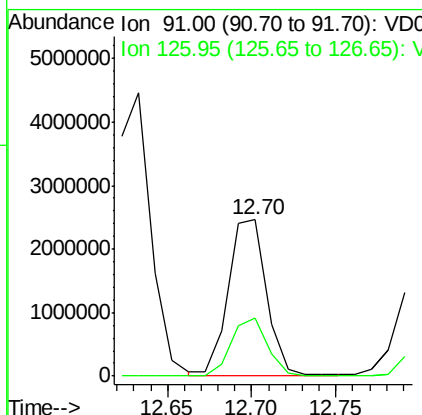
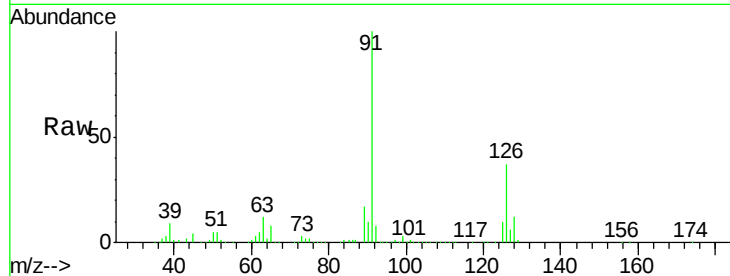




#79
 2-Chlorotoluene
 Concen: 93.987 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

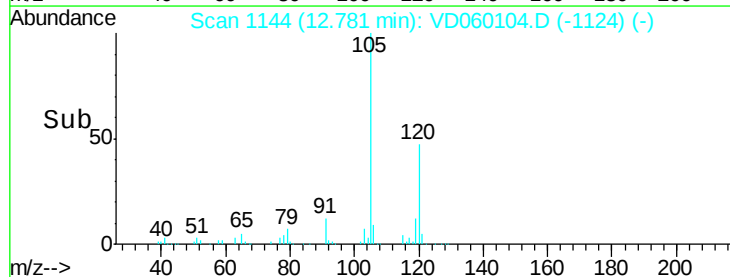
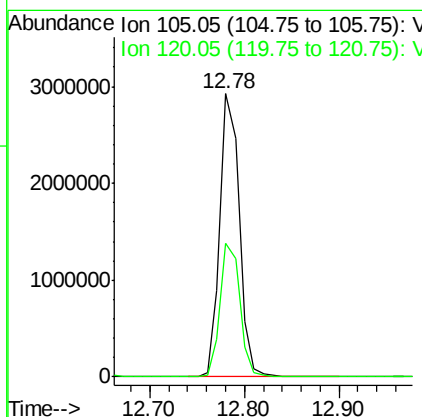
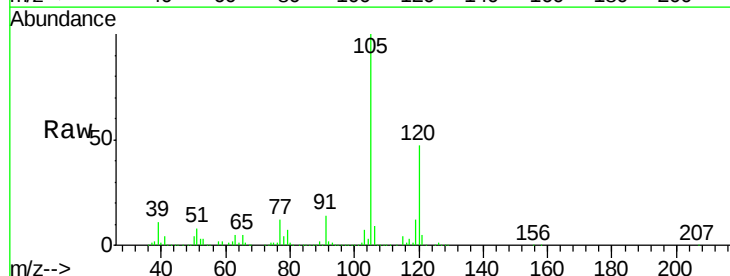
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Tgt Ion: 91 Resp: 3877197
 Ion Ratio Lower Upper
 91 100
 126 37.4 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 92.767 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 105 Resp: 4150668
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 97.906 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060104.D

Acq: 1 Oct 2018 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

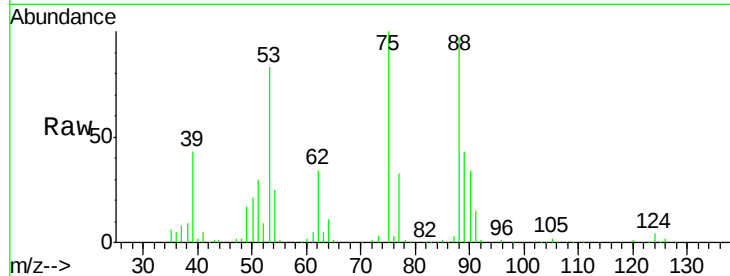
Tgt Ion: 75 Resp: 398541

Ion Ratio Lower Upper

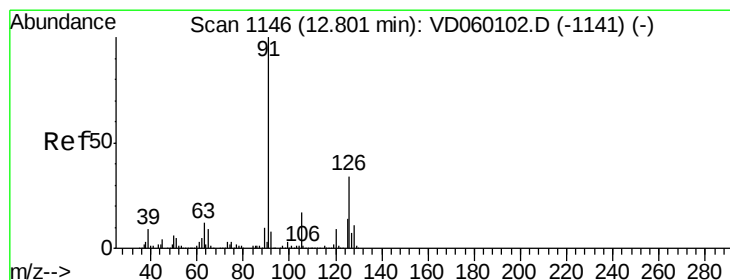
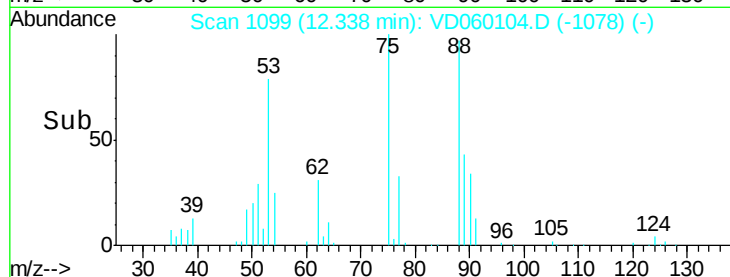
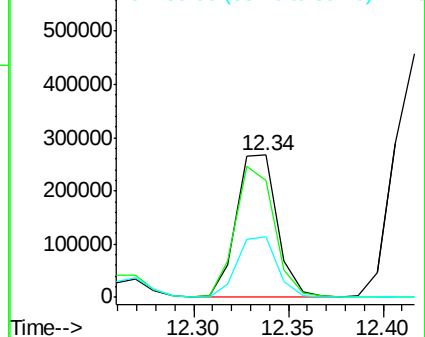
75 100

53 82.6 73.0 109.6

89 42.5 32.0 48.0



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: 90.058 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060104.D

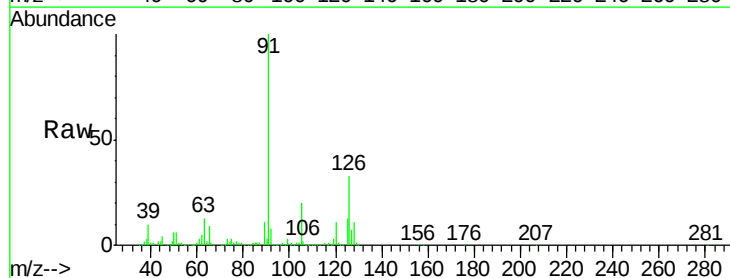
Acq: 1 Oct 2018 18:46

Tgt Ion: 91 Resp: 4084915

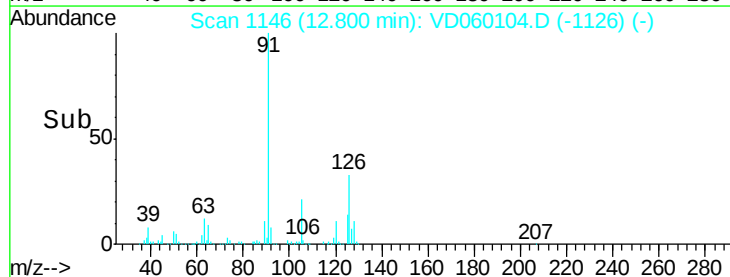
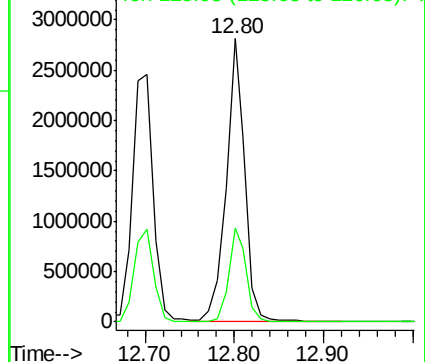
Ion Ratio Lower Upper

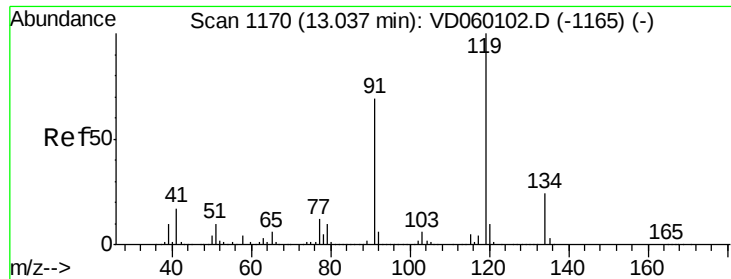
91 100

126 33.0 17.1 51.2



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

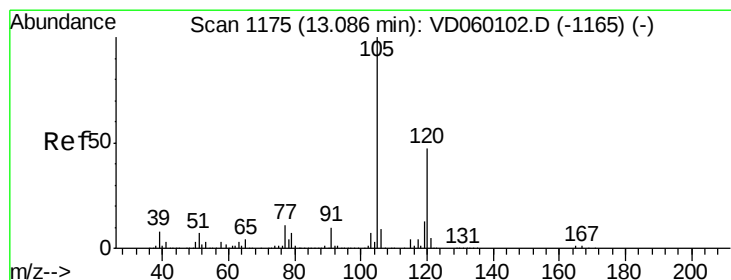
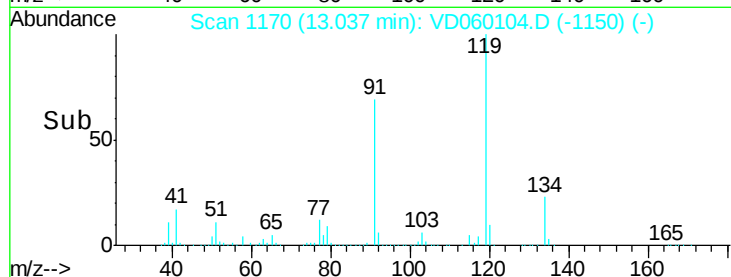
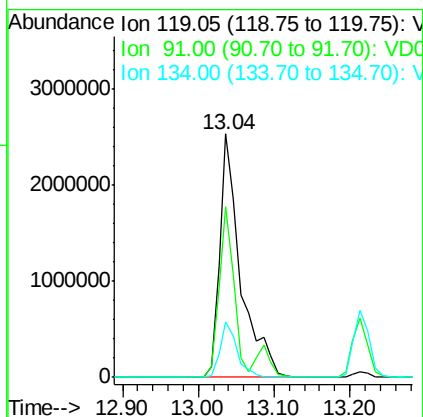
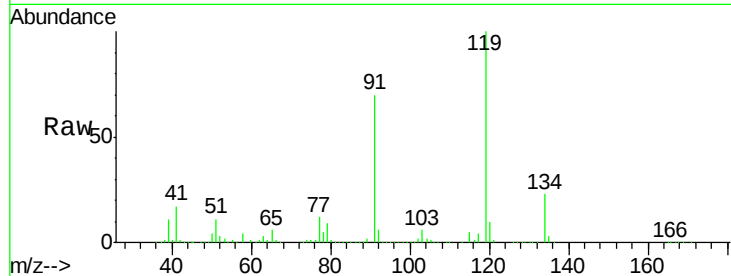




#83
 tert-Butylbenzene
 Concen: 94.454 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

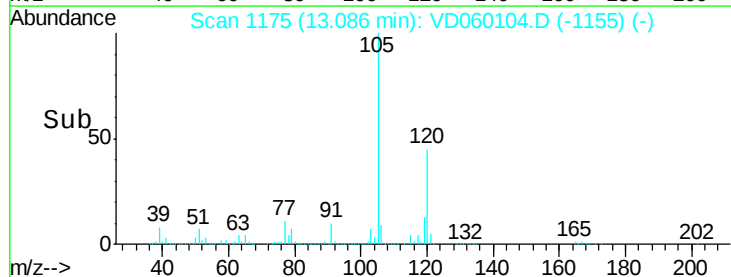
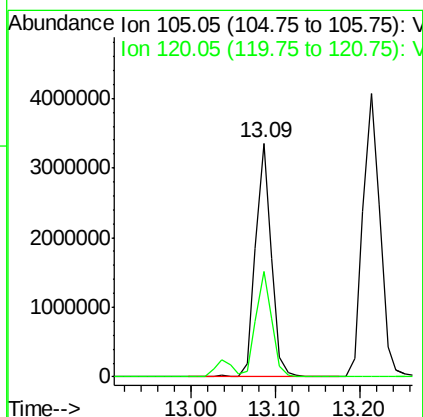
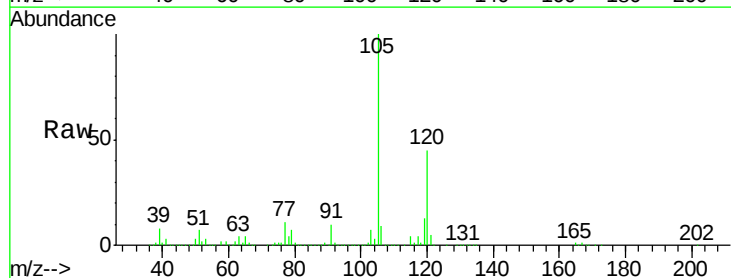
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

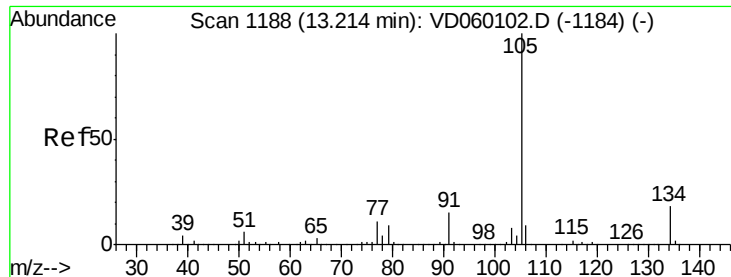
Tgt Ion:119 Resp: 4906578
 Ion Ratio Lower Upper
 119 100
 91 69.9 34.8 104.4
 134 22.9 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 92.993 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion:105 Resp: 4453846
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.4 70.0

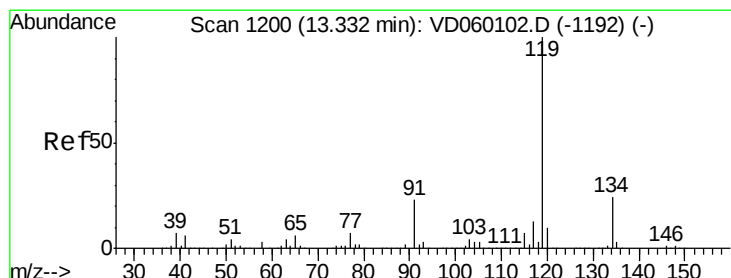
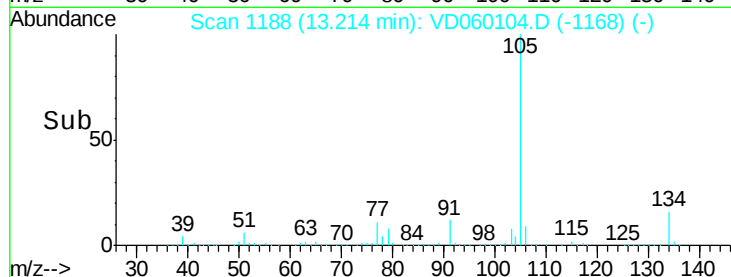
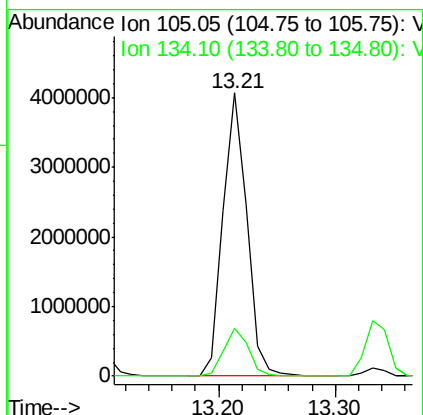
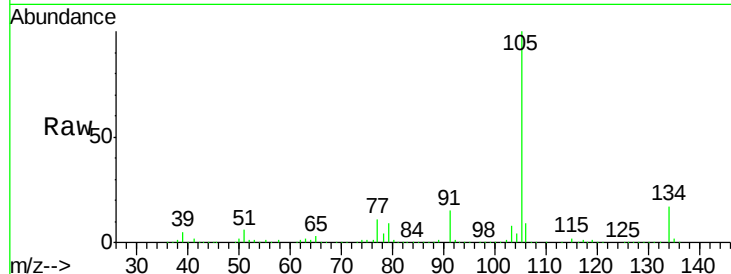




#85
 sec-Butylbenzene
 Concen: 93.842 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

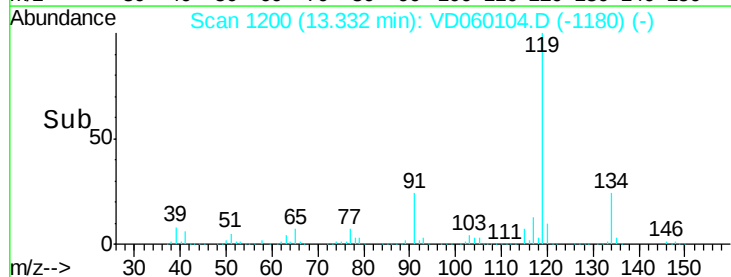
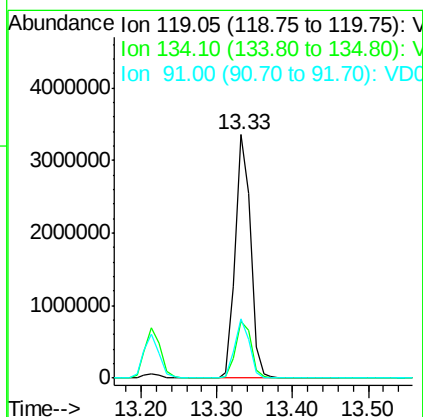
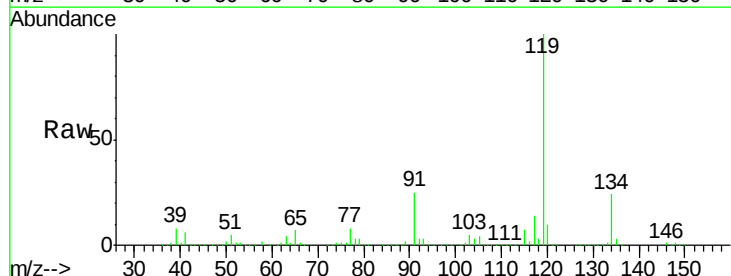
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

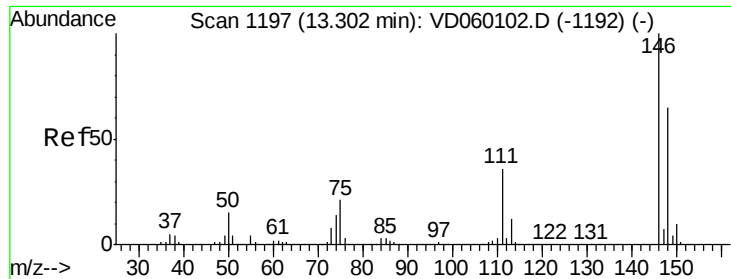
Tgt Ion:105 Resp: 5752454
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 92.460 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion:119 Resp: 4587101
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.3 36.8
 91 24.6 11.8 35.4

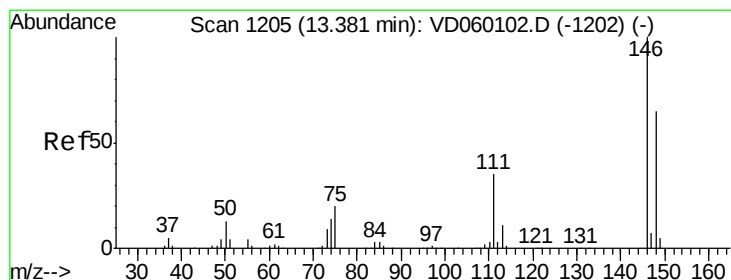
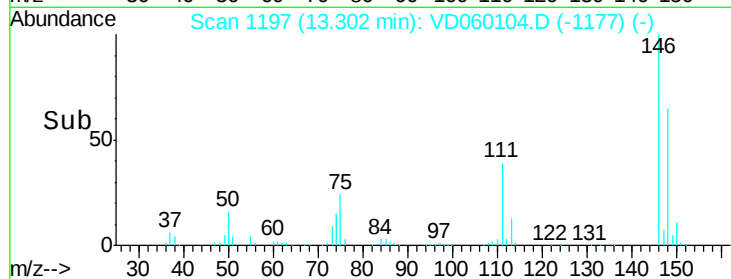
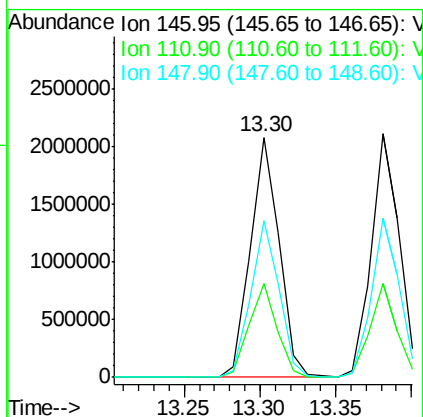
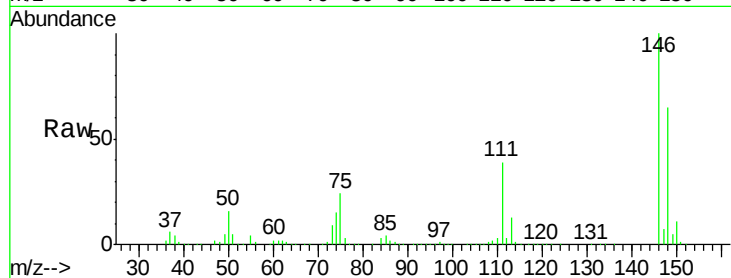




#87
 1,3-Dichlorobenzene
 Concen: 93.844 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

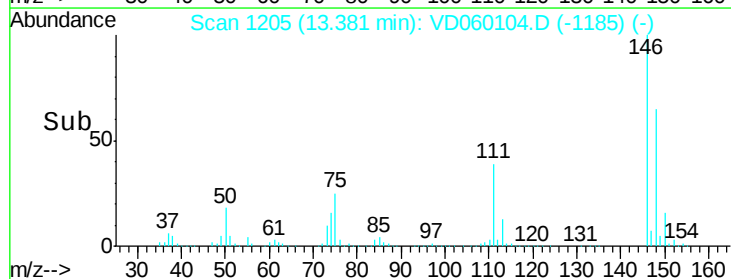
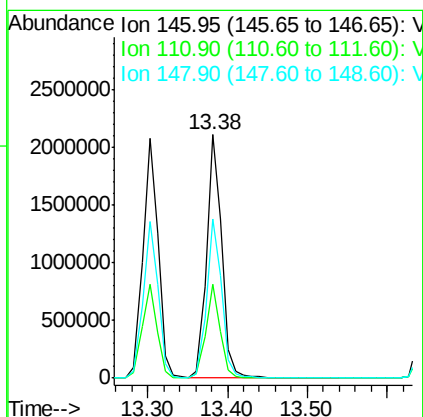
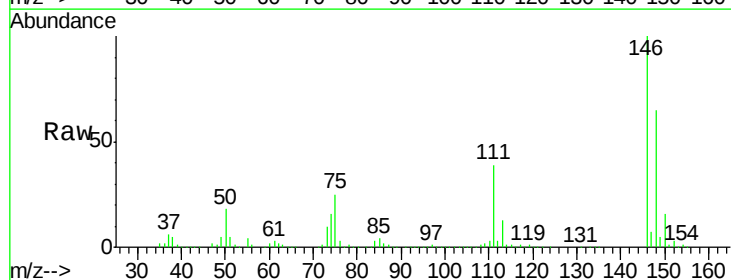
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC100

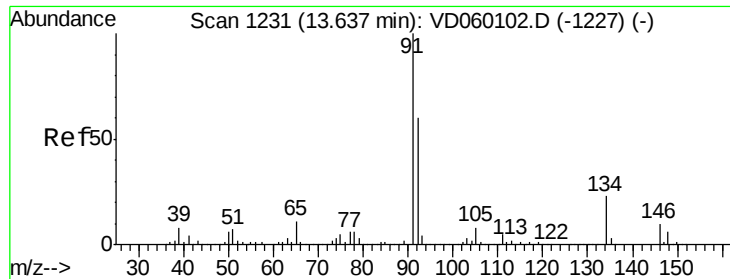
Tgt Ion:146 Resp: 2756212
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.1 54.3
 148 65.4 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 93.436 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion:146 Resp: 2781316
 Ion Ratio Lower Upper
 146 100
 111 38.8 17.8 53.3
 148 65.5 32.4 97.2

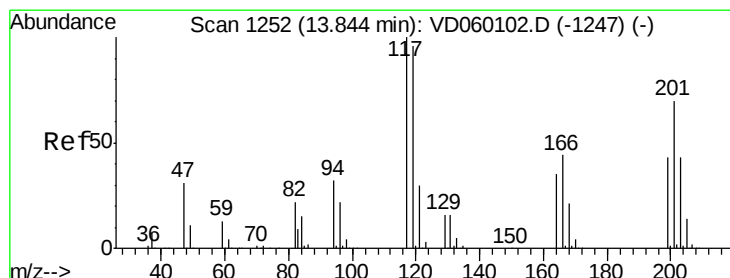
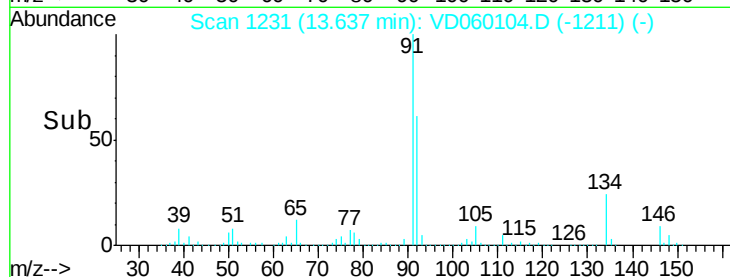
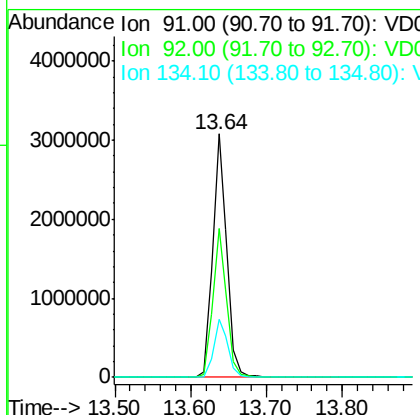
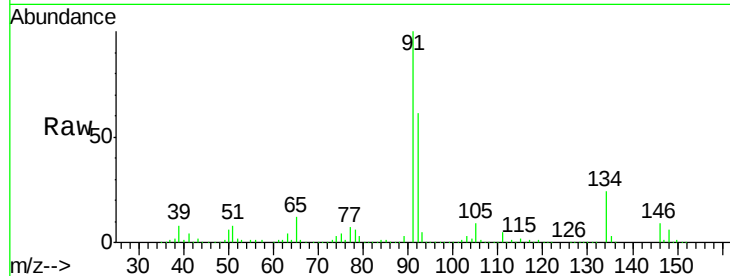




#89
n-Butylbenzene
Concen: 83.530 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

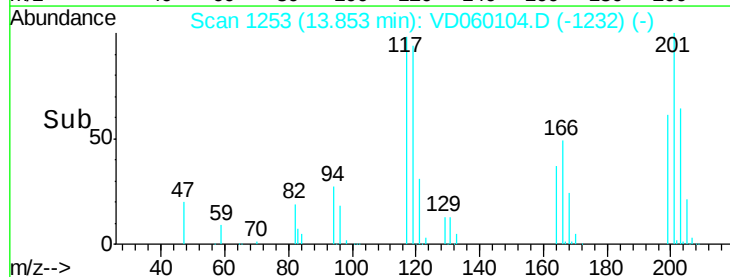
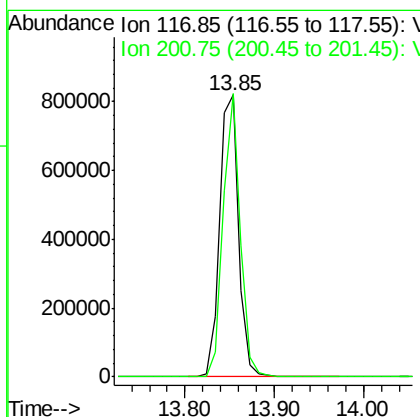
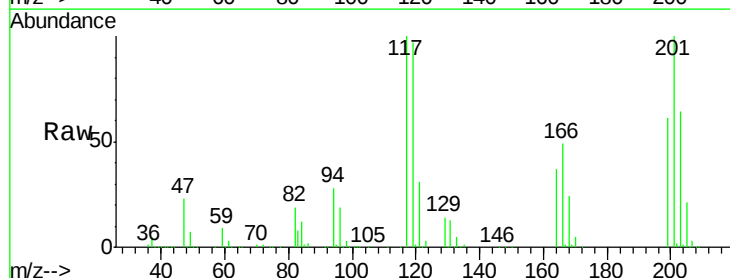
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

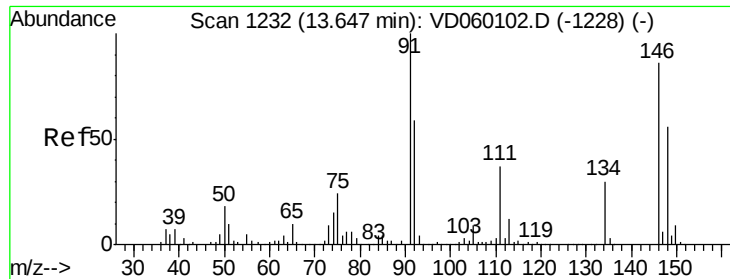
Tgt Ion: 91 Resp: 4036832
Ion Ratio Lower Upper
91 100
92 60.9 30.1 90.3
134 23.7 11.6 34.7



#90
Hexachloroethane
Concen: 100.545 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion: 117 Resp: 1233510
Ion Ratio Lower Upper
117 100
201 100.5 34.8 104.5

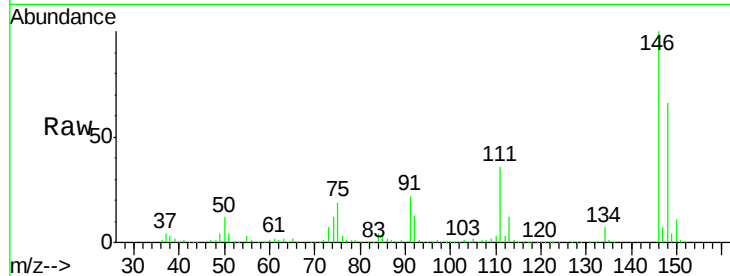




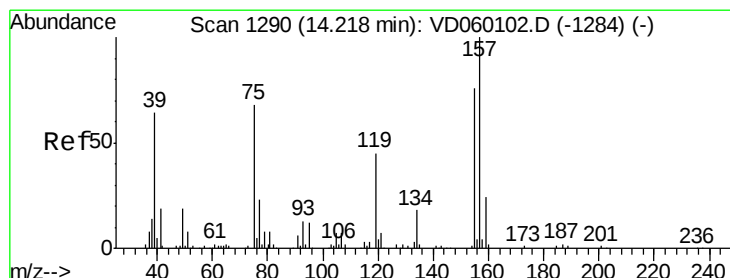
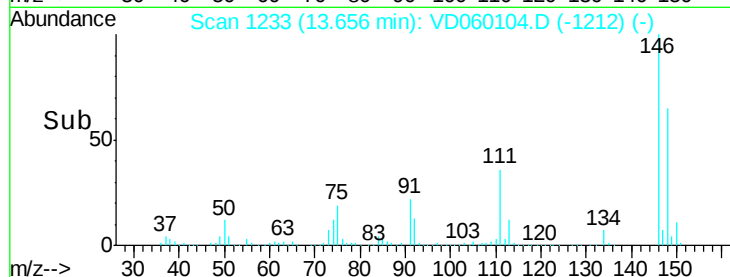
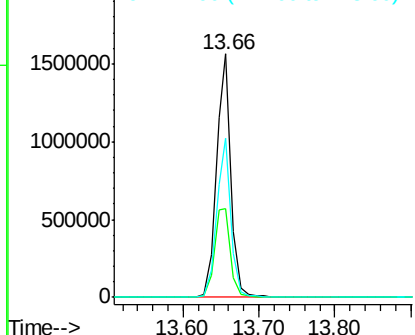
#91
 1,2-Dichlorobenzene
 Concen: 85.778 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 2079270
 Ion Ratio Lower Upper
 146 100
 111 36.3 21.4 64.3
 148 65.5 32.2 96.6

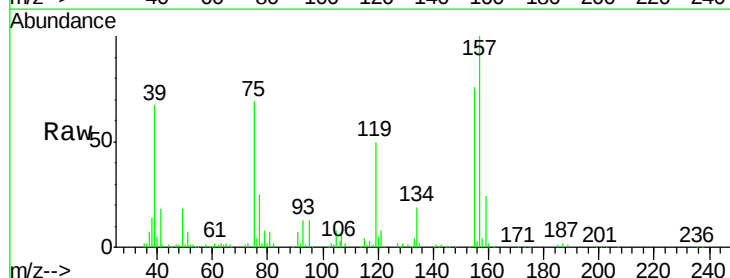


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

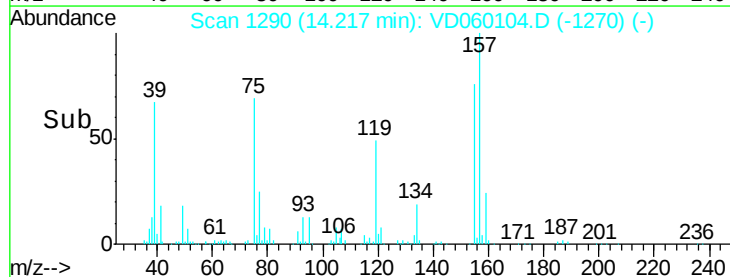
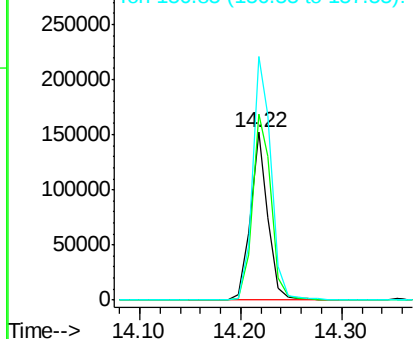


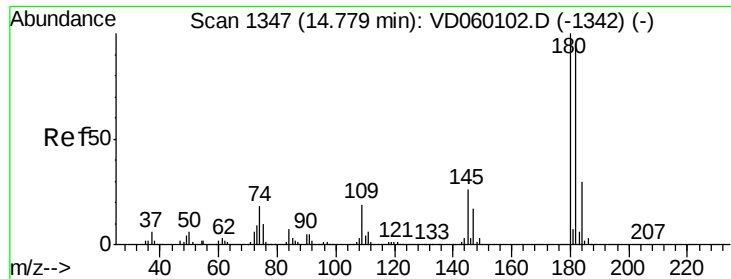
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 91.070 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion: 75 Resp: 184157
 Ion Ratio Lower Upper
 75 100
 155 110.6 55.9 167.7
 157 145.0 73.3 219.8



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

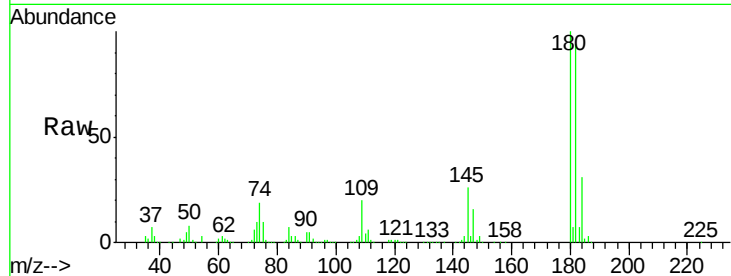




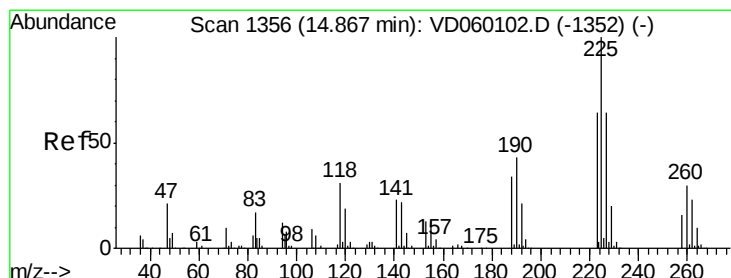
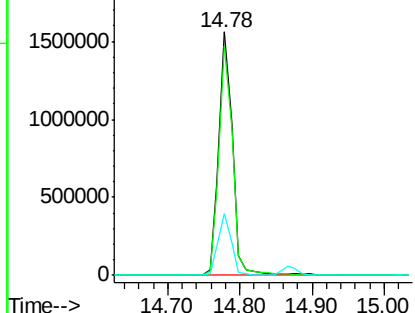
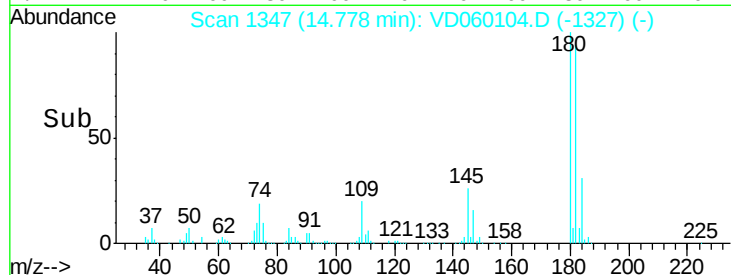
#93
 1,2,4-Trichlorobenzene
 Concen: 96.890 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 2028070
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.3 141.8
 145 25.6 13.0 38.9

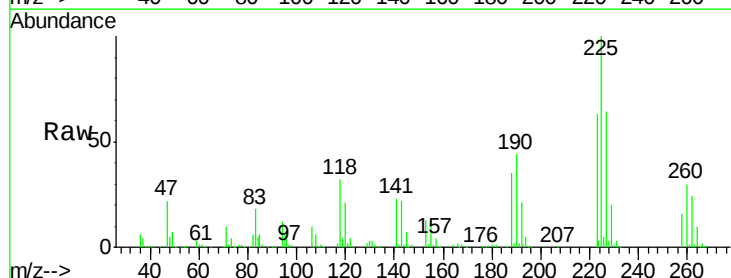


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

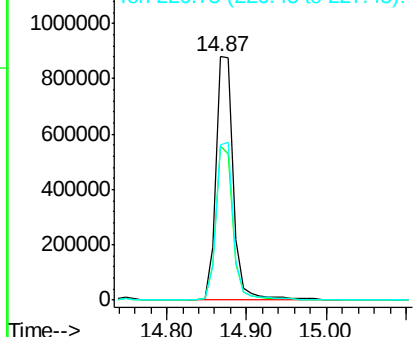
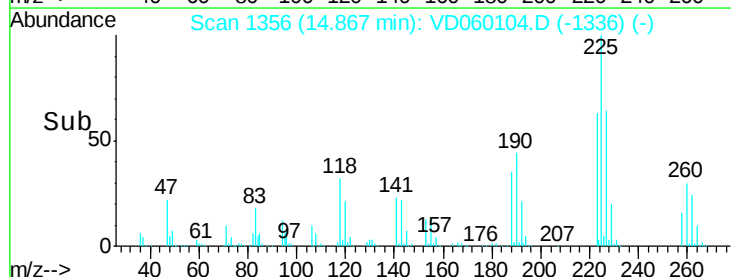


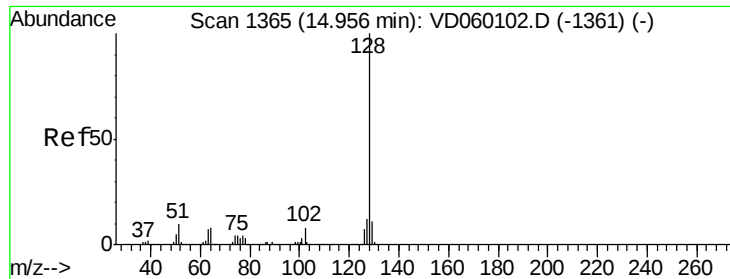
#94
 Hexachlorobutadiene
 Concen: 98.598 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060104.D
 Acq: 1 Oct 2018 18:46

Tgt Ion:225 Resp: 1367366
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.8 95.4
 227 63.7 32.0 96.0



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

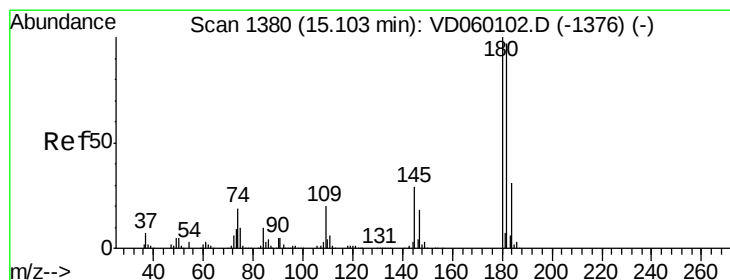
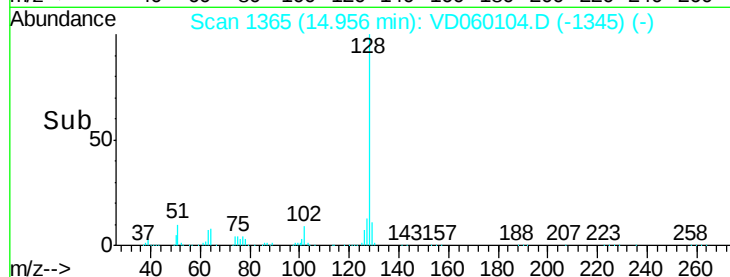
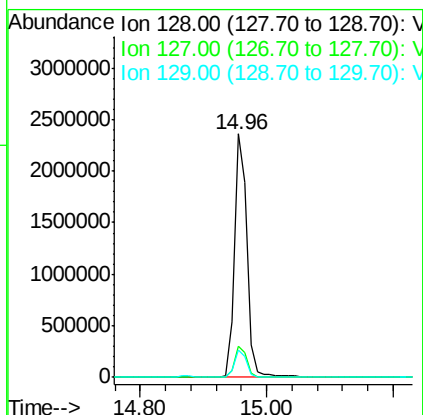
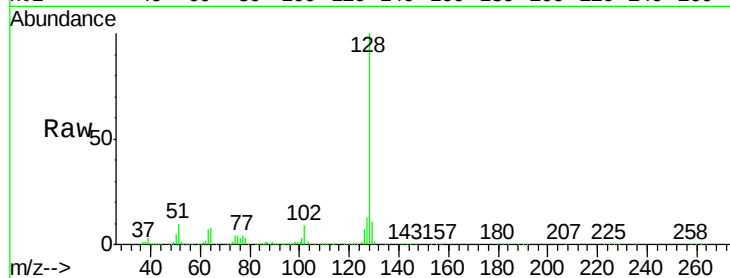




#95
Naphthalene
Concen: 97.684 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 3153063
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 99.490 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060104.D
Acq: 1 Oct 2018 18:46

Tgt Ion:180 Resp: 1823898
Ion Ratio Lower Upper
180 100
182 92.7 48.4 145.0
145 27.2 14.5 43.6

