

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100118\
 Data File : VD060100.D
 Acq On : 1 Oct 2018 16:53
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Oct 02 02:10:37 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	6.38	168	1615717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2197012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1788319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	959193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	115456	9.18	ug/l	0.00
Spiked Amount			Recovery	=	18.36%	
35) Dibromofluoromethane	6.29	113	163877	9.53	ug/l	0.00
Spiked Amount			Recovery	=	19.06%	
50) Toluene-d8	9.43	98	472834	9.83	ug/l	0.00
Spiked Amount			Recovery	=	19.66%	
62) 4-Bromofluorobenzene	12.41	95	179910	9.89	ug/l	0.00
Spiked Amount			Recovery	=	19.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	110498	6.615	ug/l	95
3) Chloromethane	1.74	50	134250	8.980	ug/l	98
4) Vinyl Chloride	1.83	62	107164	8.930	ug/l	100
5) Bromomethane	2.12	94	16867	12.112	ug/l	87
6) Chloroethane	2.23	64	35065	13.142	ug/l	94
7) Trichlorofluoromethane	2.48	101	139778	10.587	ug/l	100
8) Diethyl Ether	2.80	74	26468	9.419	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.06	101	84266	10.163	ug/l	95
10) Methyl Iodide	3.22	142	77636	8.775	ug/l	99
11) Tert butyl alcohol	3.94	59	39130	39.154	ug/l	96
12) 1,1-Dichloroethene	3.04	96	66862	10.183	ug/l	97
13) Acrolein	2.96	56	29898	48.425	ug/l	95
14) Allyl chloride	3.51	41	142889	10.345	ug/l	99
15) Acrylonitrile	4.05	53	182361	48.143	ug/l	98
16) Acetone	3.13	43	122093	51.131	ug/l	97
17) Carbon Disulfide	3.28	76	217321	9.628	ug/l	98
18) Methyl Acetate	3.53	43	47096	9.577	ug/l	95
19) Methyl tert-butyl Ether	4.09	73	284735	9.397	ug/l	95
20) Methylene Chloride	3.68	84	230006	11.295	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	169802	9.842	ug/l	99
22) Diisopropyl ether	4.83	45	606512	9.671	ug/l	97
23) Vinyl Acetate	4.78	43	1758144	49.401	ug/l	99
24) 1,1-Dichloroethane	4.73	63	272559	9.627	ug/l	100
25) 2-Butanone	5.59	43	288732	44.819	ug/l	96
26) 2,2-Dichloropropane	5.55	77	220190	10.049	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	184852	10.250	ug/l	93
28) Bromochloromethane	5.90	49	136833	9.944	ug/l	94
29) Tetrahydrofuran	5.93	42	158447	45.862	ug/l	99
30) Chloroform	6.08	83	284980	9.967	ug/l	99
31) Cyclohexane	6.34	56	284084	10.365	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	232219	9.825	ug/l	98
36) 1,1-Dichloropropene	6.50	75	223207	10.384	ug/l	98
37) Ethyl Acetate	5.67	43	139667	9.410	ug/l	99
38) Carbon Tetrachloride	6.47	117	198987	9.969	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100118\
 Data File : VD060100.D
 Acq On : 1 Oct 2018 16:53
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Oct 02 02:10:37 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	8.01	83	251212	10.300	ug/l	97
40) Benzene	6.76	78	572084	10.429	ug/l	100
41) Methacrylonitrile	5.92	41	162348	20.558	ug/l #	92
42) 1,2-Dichloroethane	6.87	62	163407	9.932	ug/l	99
43) Isopropyl Acetate	8.33	43	182709	9.290	ug/l #	99
44) Trichloroethene	7.72	130	174352	10.233	ug/l	93
45) 1,2-Dichloropropane	8.08	63	147994	10.079	ug/l	99
46) Dibromomethane	8.19	93	92468	9.688	ug/l	93
47) Bromodichloromethane	8.47	83	198422	9.617	ug/l	97
48) Methyl methacrylate	8.22	41	106489	9.712	ug/l	97
49) 1,4-Dioxane	8.21	88	19032	174.429	ug/l #	92
51) 4-Methyl-2-Pentanone	9.32	43	591744	43.859	ug/l	95
52) Toluene	9.53	92	366450	10.350	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	177498	9.212	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	221807	9.648	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	121587	9.902	ug/l	98
56) Ethyl methacrylate	10.01	69	124336	9.186	ug/l	93
57) 1,3-Dichloropropane	10.37	76	177545	9.818	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	394888	59.161	ug/l	95
59) 2-Hexanone	10.47	43	438202	45.008	ug/l	100
60) Dibromochloromethane	10.62	129	135585	9.152	ug/l	94
61) 1,2-Dibromoethane	10.74	107	120711	9.524	ug/l	99
64) Tetrachloroethene	10.24	164	162484	10.432	ug/l	98
65) Chlorobenzene	11.30	112	406217	10.682	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	133940	10.469	ug/l	99
67) Ethyl Benzene	11.42	91	682513	11.178	ug/l	100
68) m/p-Xylenes	11.56	106	519383	23.096	ug/l	97
69) o-Xylene	11.92	106	243857	10.873	ug/l	88
70) Styrene	11.94	104	408126	10.838	ug/l	95
71) Bromoform	12.11	173	97736	8.926	ug/l	99
73) Isopropylbenzene	12.26	105	659396	10.579	ug/l	99
74) N-amyl acetate	12.13	43	226270	9.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	136426	9.657	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	136472	9.466	ug/l	100
77) Bromobenzene	12.53	156	187035	10.357	ug/l	88
78) n-propylbenzene	12.63	91	842567	10.783	ug/l	98
79) 2-Chlorotoluene	12.70	91	453428	10.300	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	500032	10.472	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.33	75	34639	7.974	ug/l	98
82) 4-Chlorotoluene	12.80	91	517757	10.696	ug/l	94
83) tert-Butylbenzene	13.03	119	582378	10.505	ug/l	96
84) 1,2,4-Trimethylbenzene	13.08	105	539574	10.557	ug/l	94
85) sec-Butylbenzene	13.21	105	698718	10.681	ug/l	97
86) p-Isopropyltoluene	13.33	119	590126	11.146	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	337297	10.761	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	339871	10.699	ug/l	98
89) n-Butylbenzene	13.63	91	590985	11.459	ug/l	97
90) Hexachloroethane	13.85	117	120534	9.206	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	296133	11.448	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	16813	7.791	ug/l	80

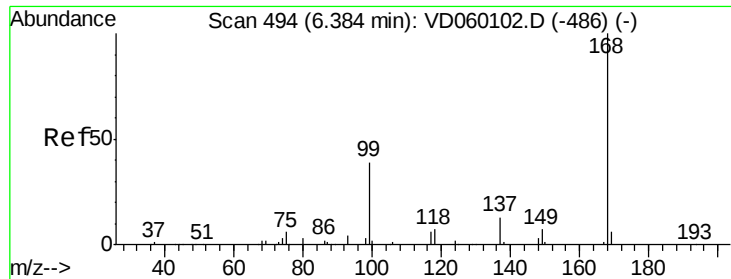
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100118\
Data File : VD060100.D
Acq On : 1 Oct 2018 16:53
Operator : VA/AP
Sample : VSTDICC010
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Quant Time: Oct 02 02:10:37 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	14.77	180	233696	10.462	ug/l	97
94) Hexachlorobutadiene	14.87	225	157549	10.645	ug/l	98
95) Naphthalene	14.96	128	336009	9.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	199727	10.209	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

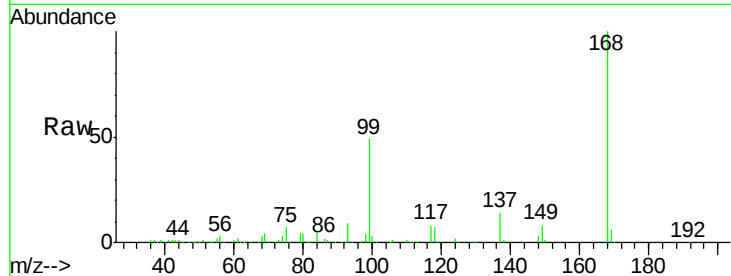
VSTDIC010

Tgt Ion:168 Resp: 1615717

Ion Ratio Lower Upper

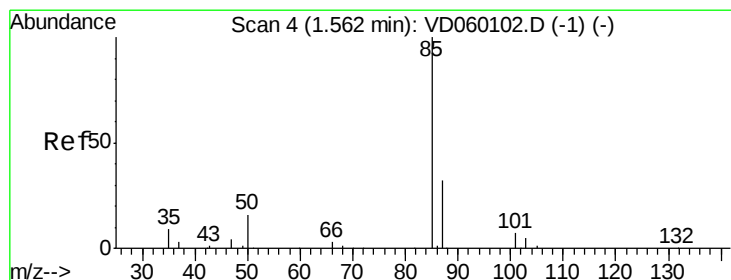
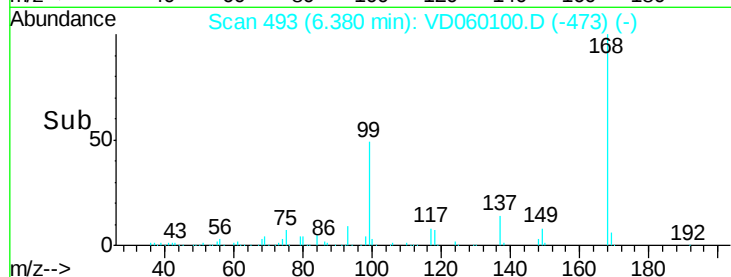
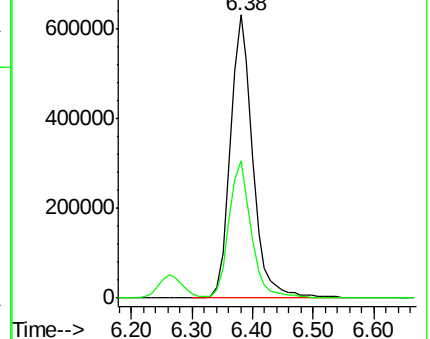
168 100

99 48.5 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: 6.615 ug/l

RT: 1.57 min Scan# 4

Delta R.T. 0.01 min

Lab File: VD060100.D

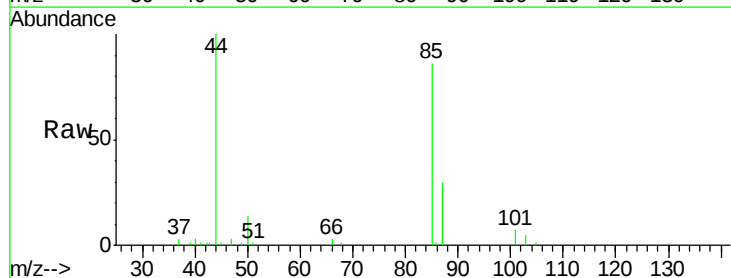
Acq: 1 Oct 2018 16:53

Tgt Ion: 85 Resp: 110498

Ion Ratio Lower Upper

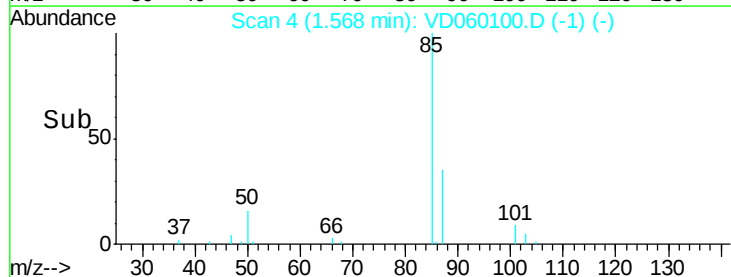
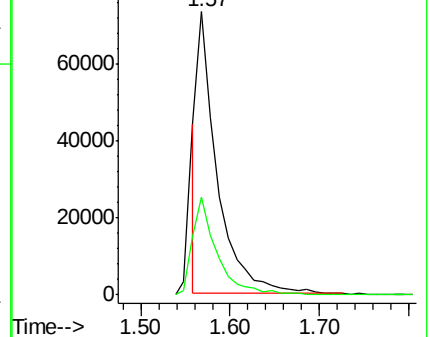
85 100

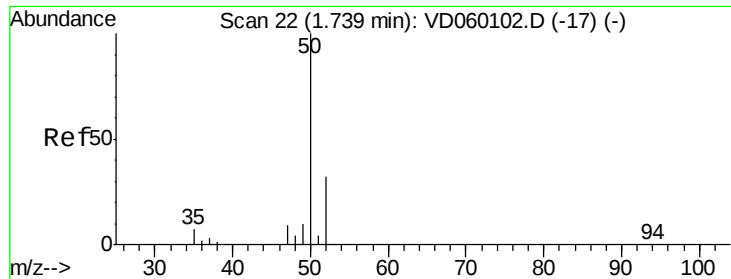
87 34.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 8.980 ug/l

RT: 1.74 min Scan# 21

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

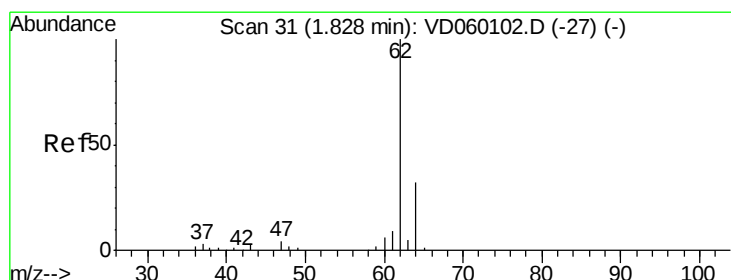
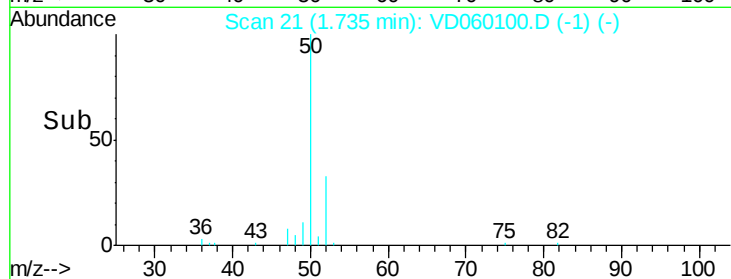
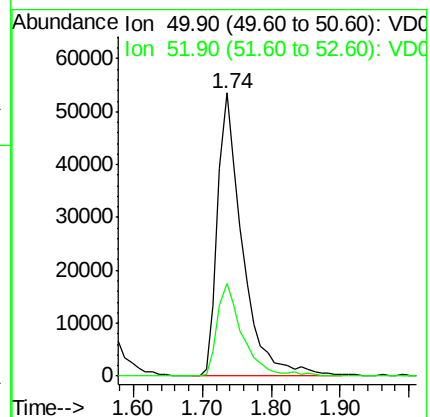
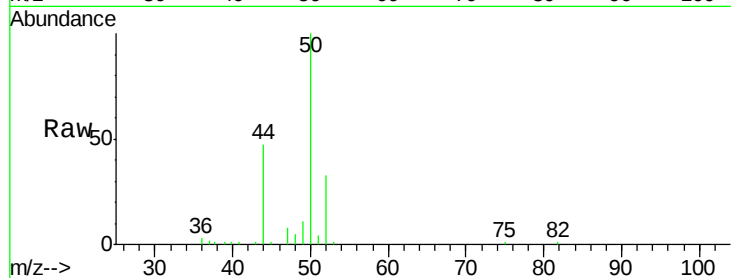
VSTDIC010

Tgt Ion: 50 Resp: 134250

Ion Ratio Lower Upper

50 100

52 32.9 25.3 37.9



#4

Vinyl Chloride

Concen: 8.930 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.01 min

Lab File: VD060100.D

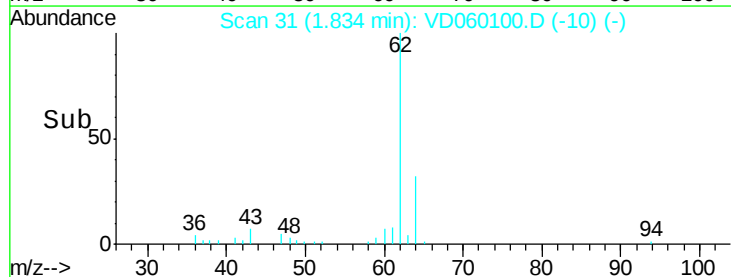
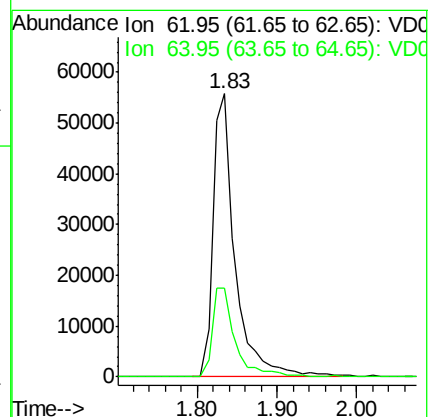
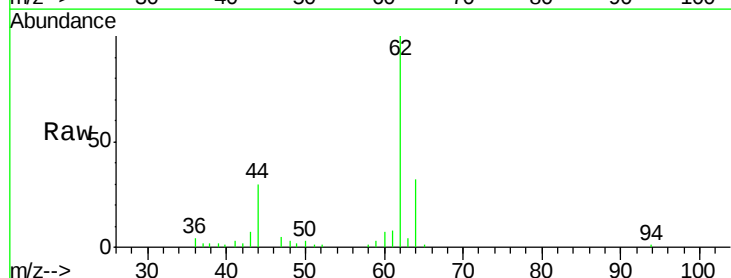
Acq: 1 Oct 2018 16:53

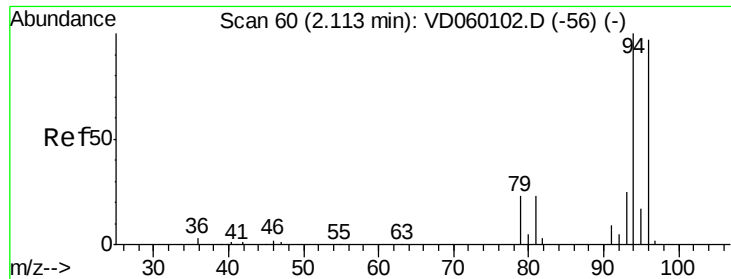
Tgt Ion: 62 Resp: 107164

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 12.112 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

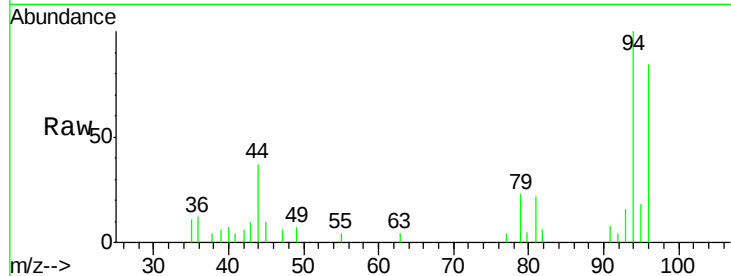
VSTDIC010

Tgt Ion: 94 Resp: 16867

Ion Ratio Lower Upper

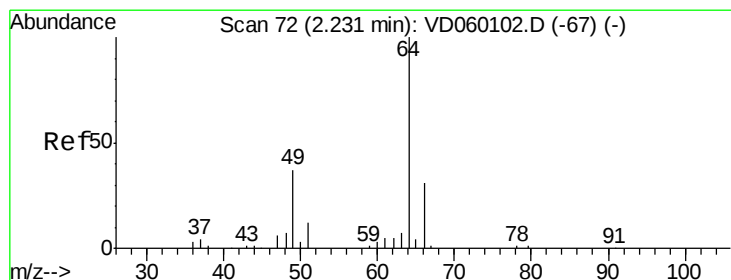
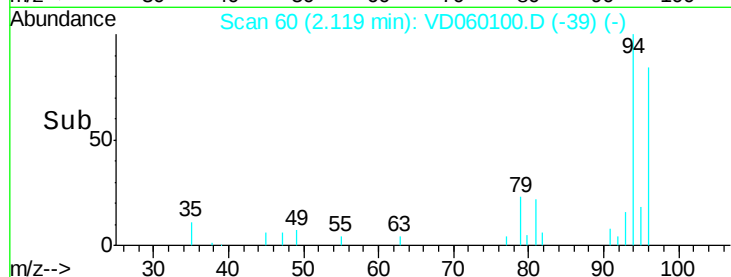
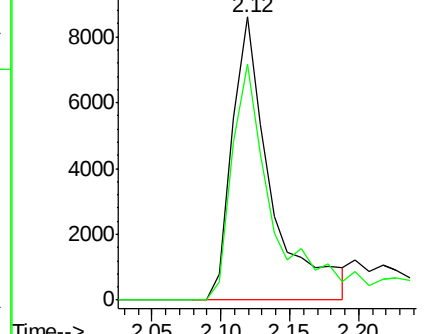
94 100

96 83.6 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: 13.142 ug/l

RT: 2.23 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD060100.D

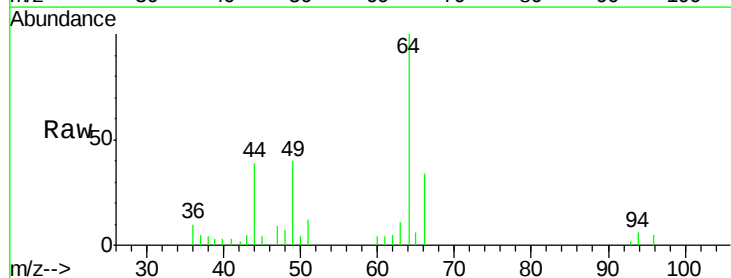
Acq: 1 Oct 2018 16:53

Tgt Ion: 64 Resp: 35065

Ion Ratio Lower Upper

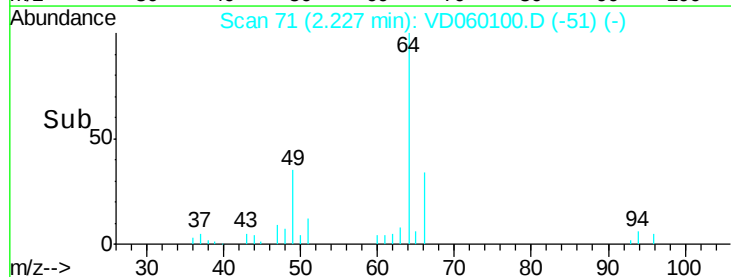
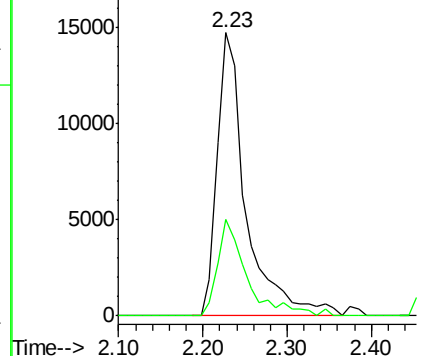
64 100

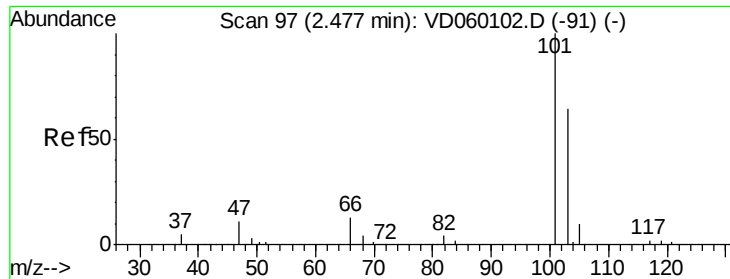
66 34.3 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



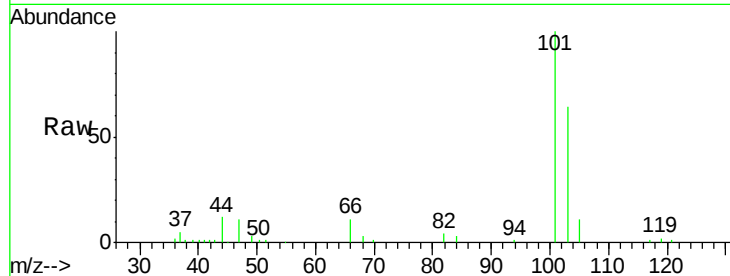


#7

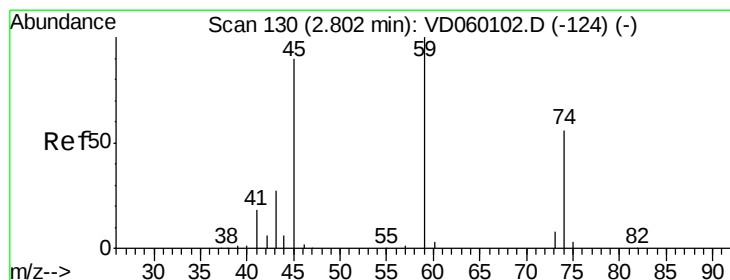
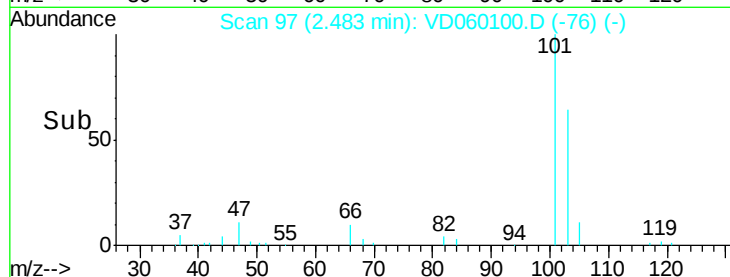
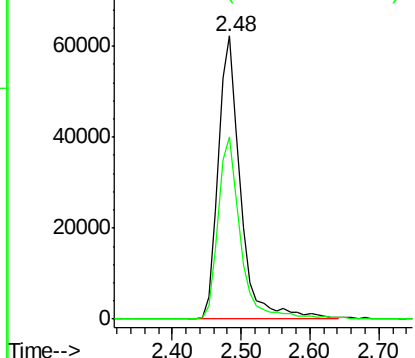
Trichlorofluoromethane
Concen: 10.587 ug/l
RT: 2.48 min Scan# 97
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 101 Resp: 139778
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3



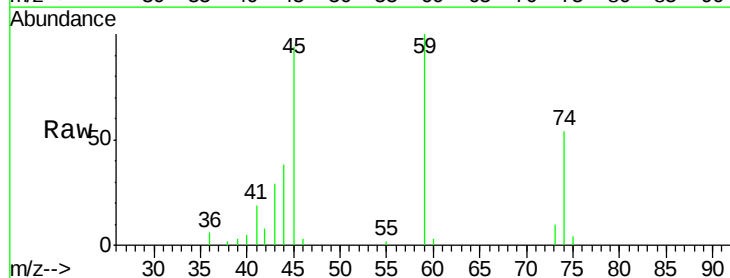
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



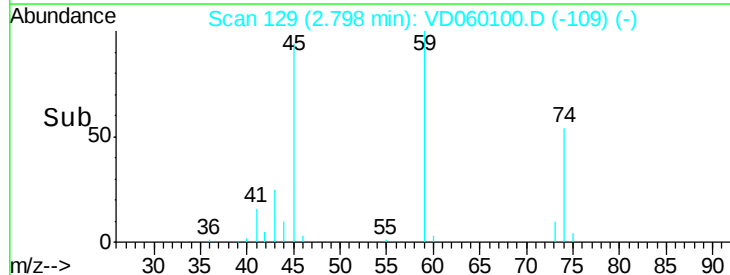
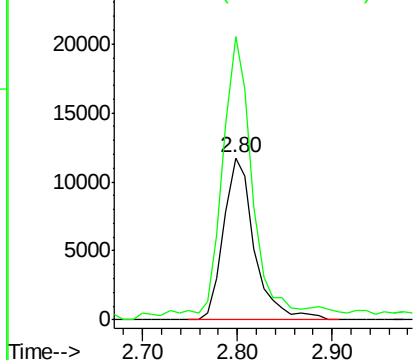
#8

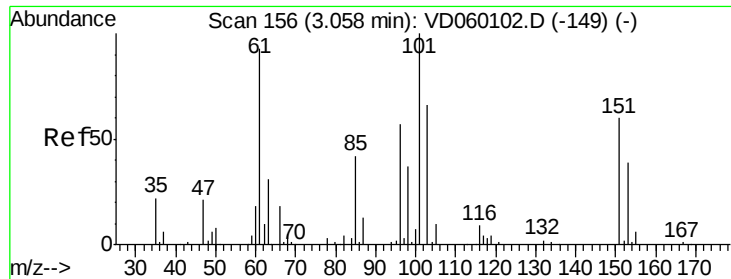
Diethyl Ether
Concen: 9.419 ug/l
RT: 2.80 min Scan# 129
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 74 Resp: 26468
Ion Ratio Lower Upper
74 100
45 175.0 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: 10.163 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

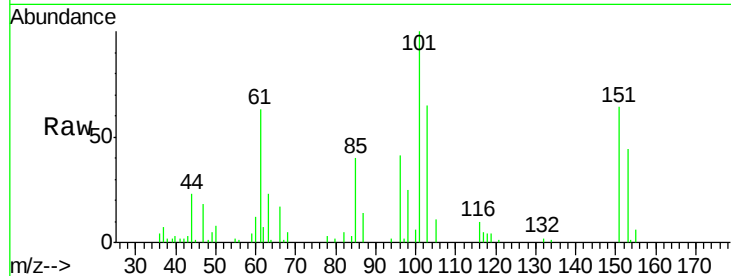
Tgt Ion:101 Resp: 84266

Ion Ratio Lower Upper

101 100

85 39.7 33.4 50.0

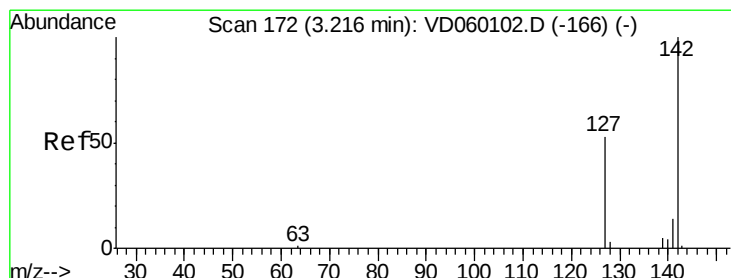
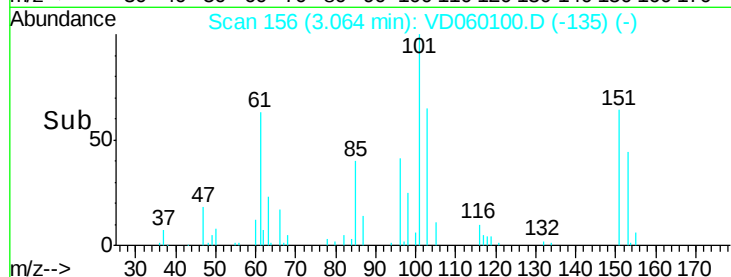
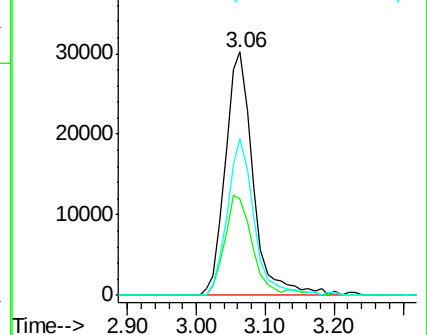
151 64.2 48.0 72.0



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: 8.775 ug/l

RT: 3.22 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

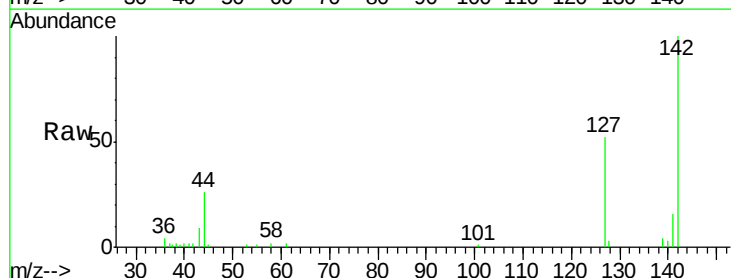
Tgt Ion:142 Resp: 77636

Ion Ratio Lower Upper

142 100

127 52.2 42.0 63.0

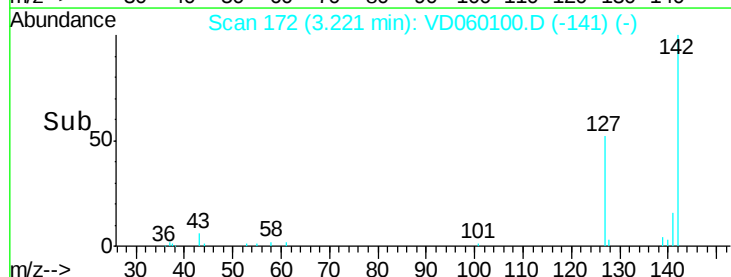
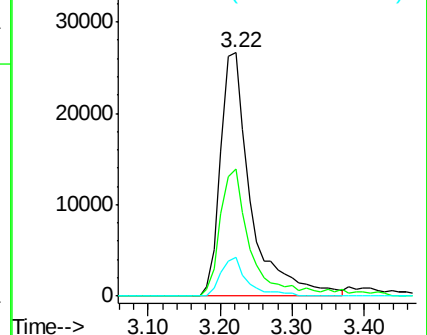
141 16.0 11.4 17.0

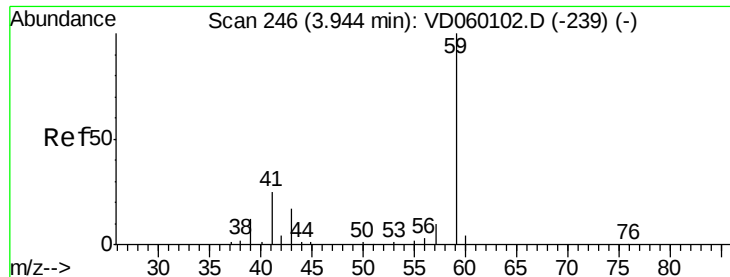


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

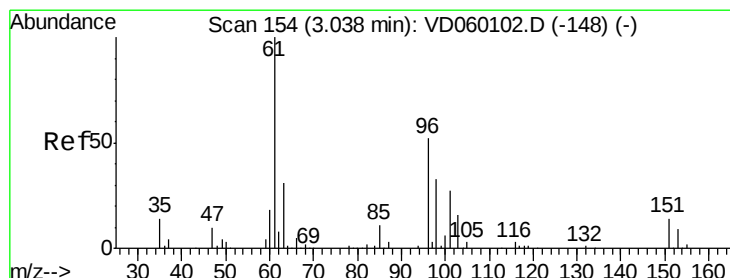
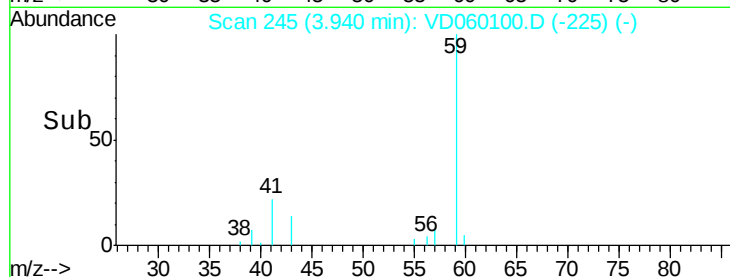
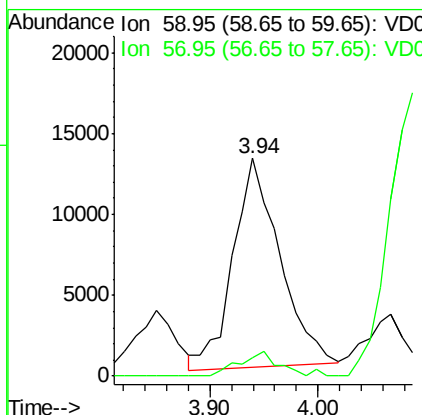
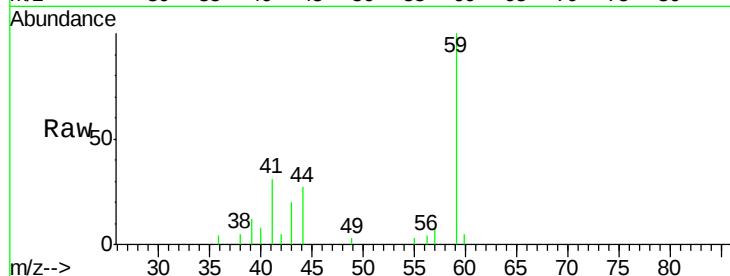




#11
Tert butyl alcohol
Concen: 39.154 ug/l
RT: 3.94 min Scan# 245
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

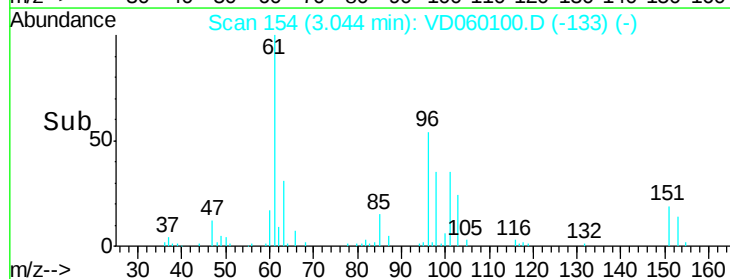
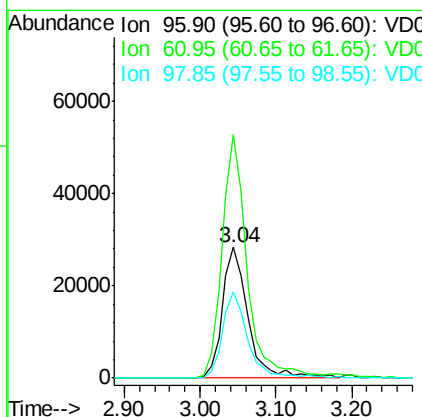
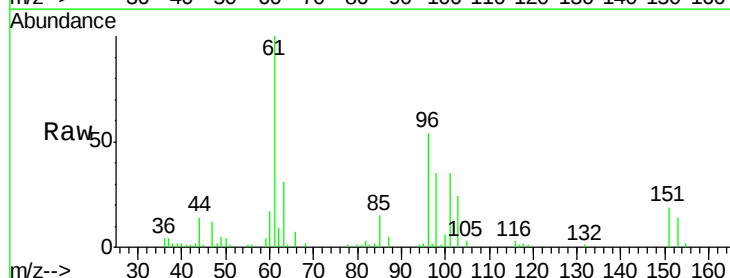
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

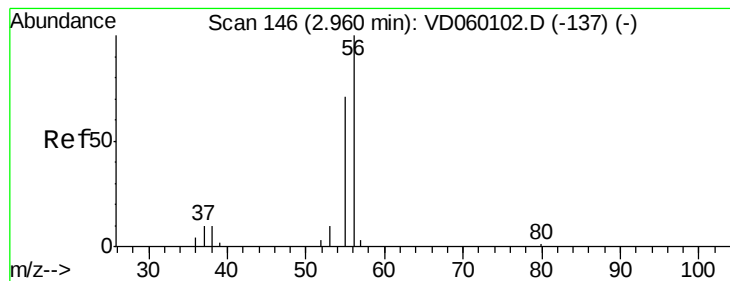
Tgt Ion: 59 Resp: 39130
Ion Ratio Lower Upper
59 100
57 8.4 7.8 11.6



#12
1,1-Dichloroethene
Concen: 10.183 ug/l
RT: 3.04 min Scan# 154
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 96 Resp: 66862
Ion Ratio Lower Upper
96 100
61 186.0 153.0 229.4
98 65.4 51.1 76.7





#13

Acrolein

Concen: 48.425 ug/l

RT: 2.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

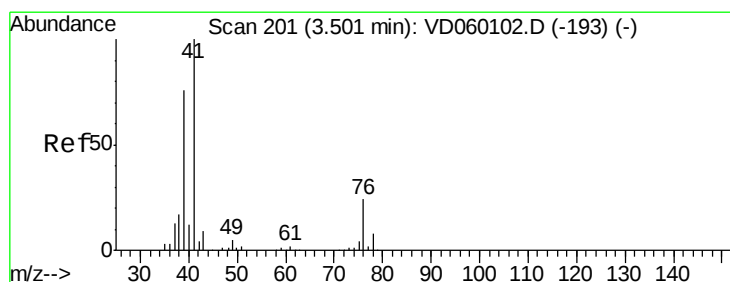
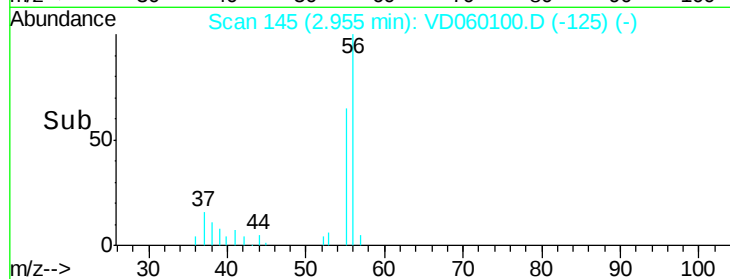
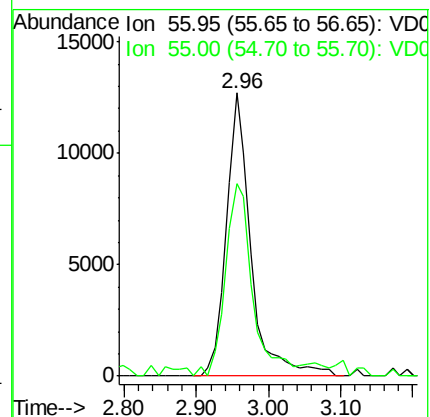
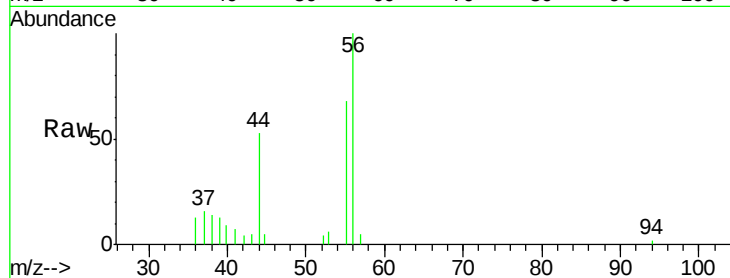
VSTDIC010

Tgt Ion: 56 Resp: 29898

Ion Ratio Lower Upper

56 100

55 68.0 57.4 86.2



#14

Allyl chloride

Concen: 10.345 ug/l

RT: 3.51 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

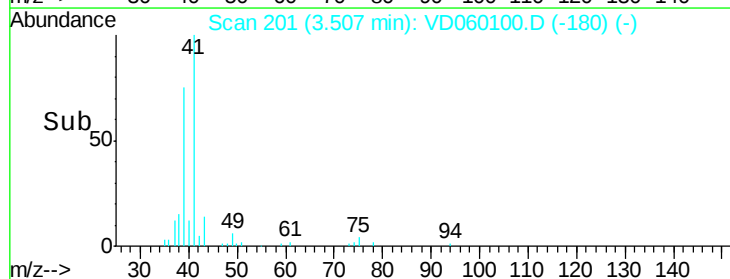
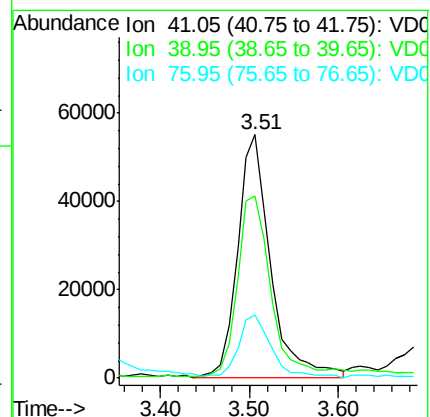
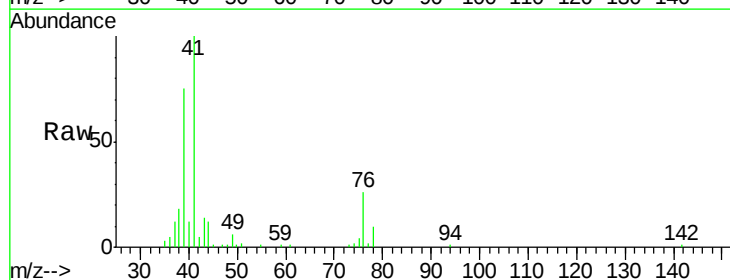
Tgt Ion: 41 Resp: 142889

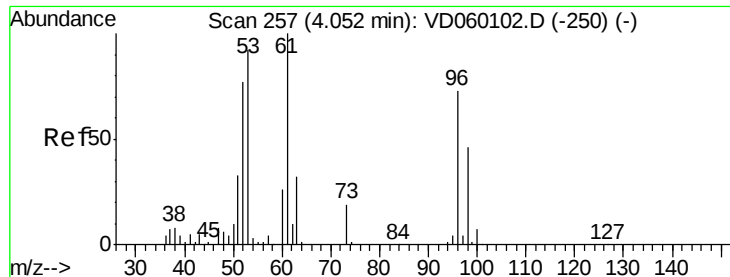
Ion Ratio Lower Upper

41 100

39 74.8 60.6 90.8

76 26.0 21.3 31.9





#15

Acrylonitrile

Concen: 48.143 ug/l

RT: 4.05 min Scan# 256

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

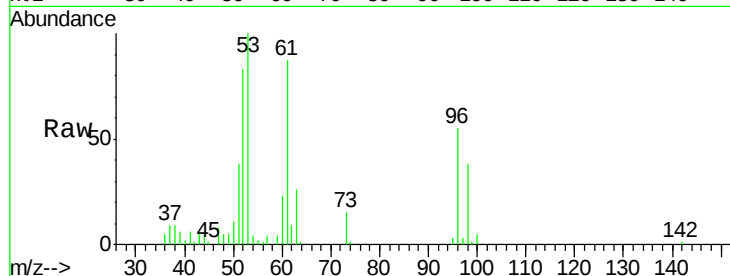
Tgt Ion: 53 Resp: 182361

Ion Ratio Lower Upper

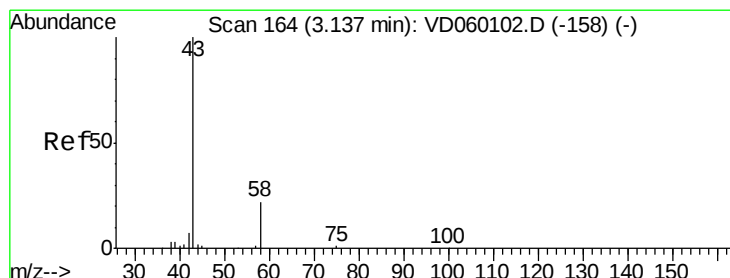
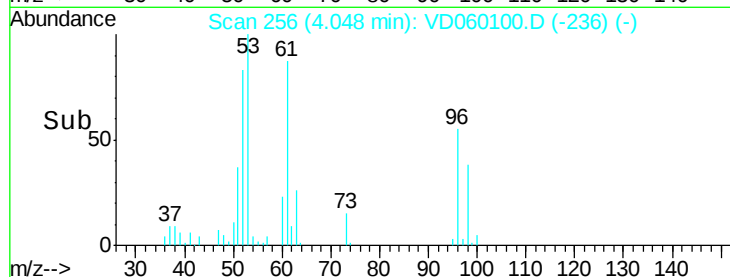
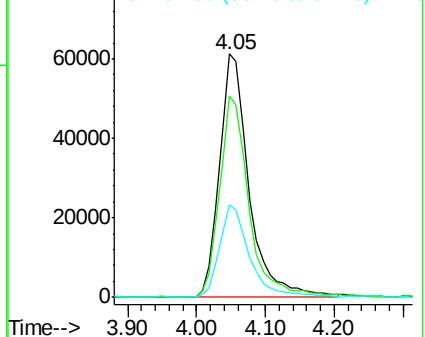
53 100

52 83.0 67.5 101.3

51 38.0 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: 51.131 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD060100.D

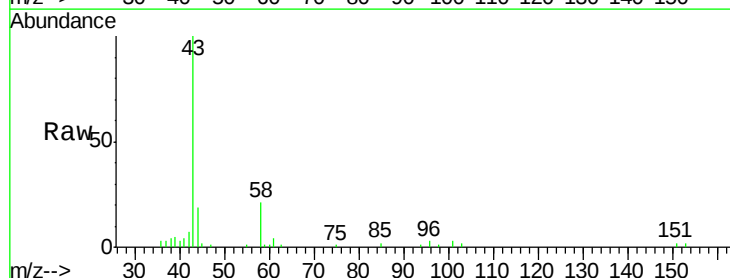
Acq: 1 Oct 2018 16:53

Tgt Ion: 43 Resp: 122093

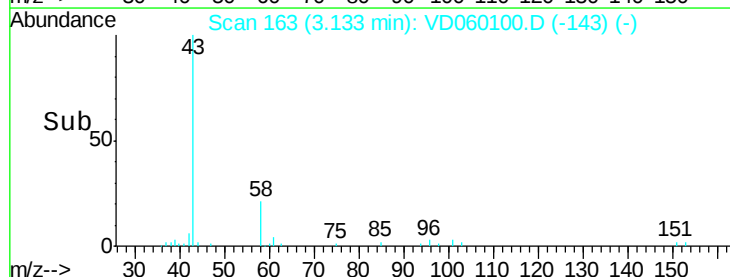
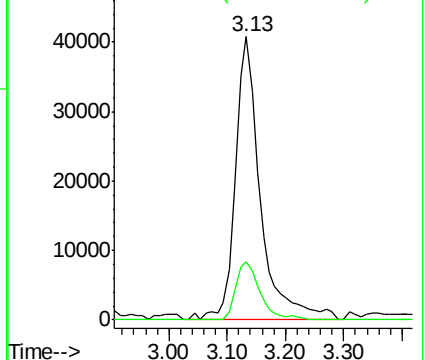
Ion Ratio Lower Upper

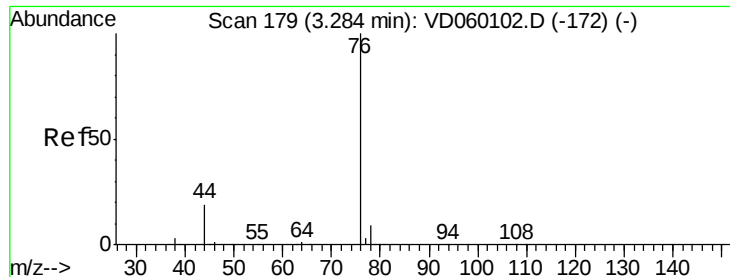
43 100

58 20.7 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: 9.628 ug/l

RT: 3.28 min Scan# 178

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

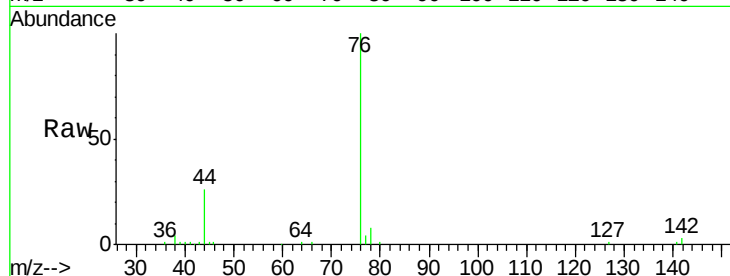
VSTDIC010

Tgt Ion: 76 Resp: 217321

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.28

100000

80000

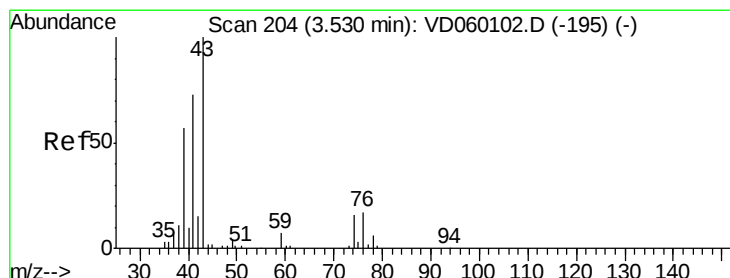
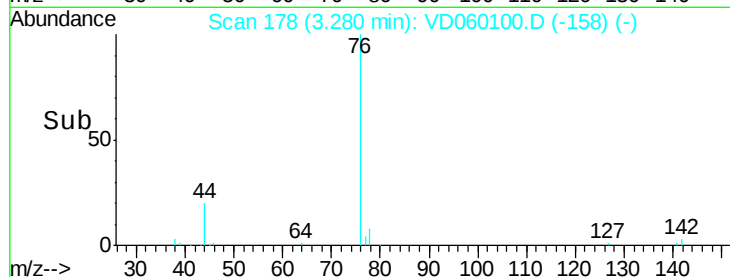
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 9.577 ug/l

RT: 3.53 min Scan# 203

Delta R.T. -0.00 min

Lab File: VD060100.D

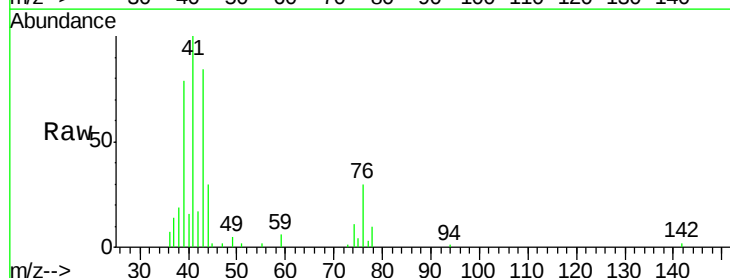
Acq: 1 Oct 2018 16:53

Tgt Ion: 43 Resp: 47096

Ion Ratio Lower Upper

43 100

74 13.6 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.53

20000

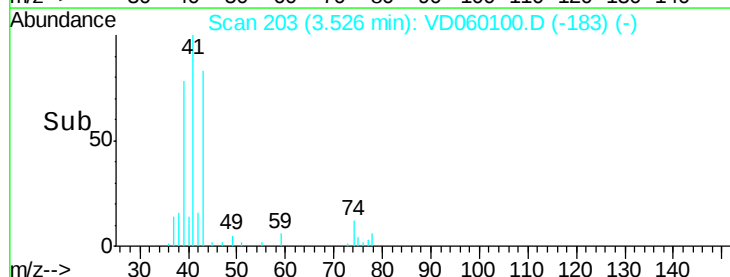
15000

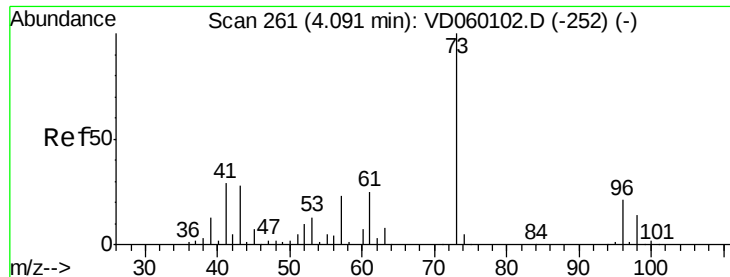
10000

5000

0

Time-->

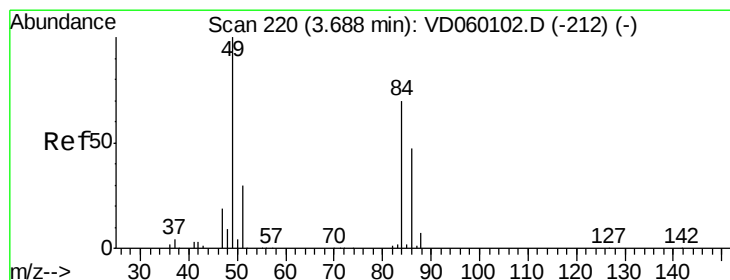
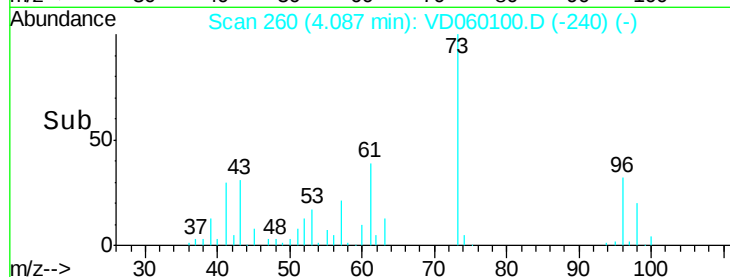
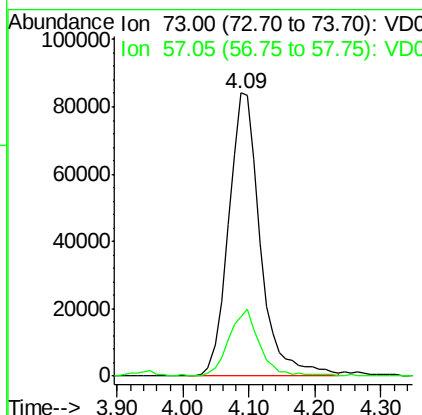
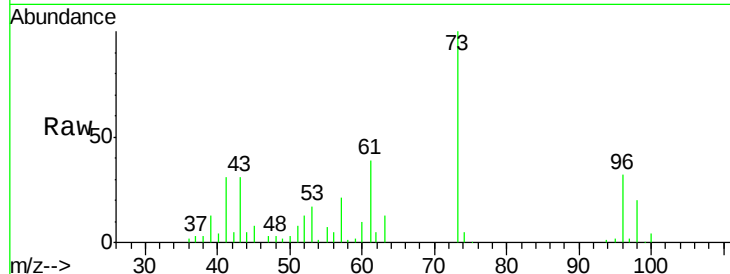




#19
Methyl tert-butyl Ether
Concen: 9.397 ug/l
RT: 4.09 min Scan# 260
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

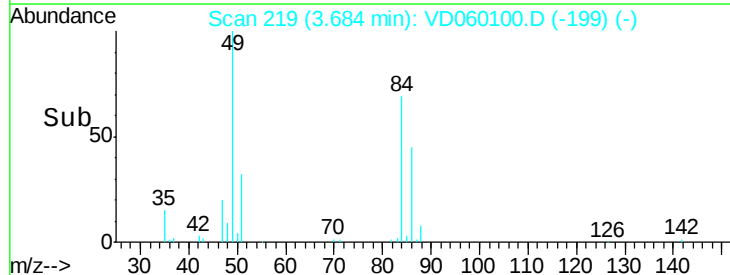
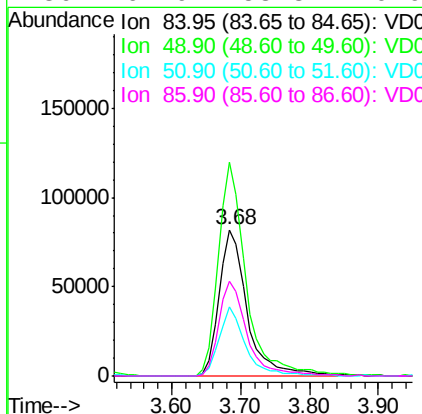
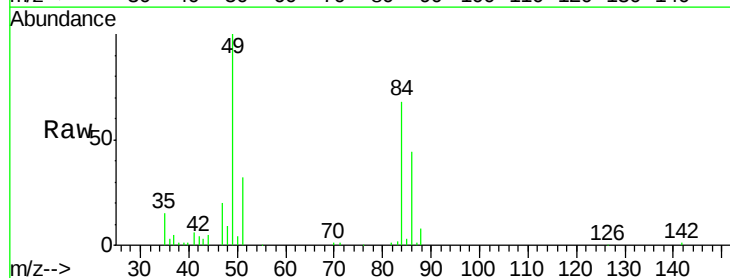
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

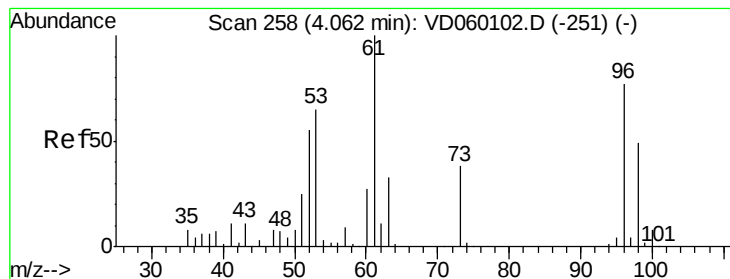
Tgt Ion: 73 Resp: 284735
Ion Ratio Lower Upper
73 100
57 20.8 18.7 28.1



#20
Methylene Chloride
Concen: 11.295 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 84 Resp: 230006
Ion Ratio Lower Upper
84 100
49 146.0 114.6 172.0
51 47.2 33.8 50.8
86 64.9 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 9.842 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

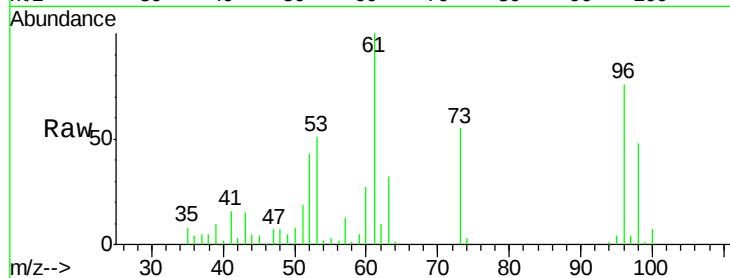
Tgt Ion: 96 Resp: 169802

Ion Ratio Lower Upper

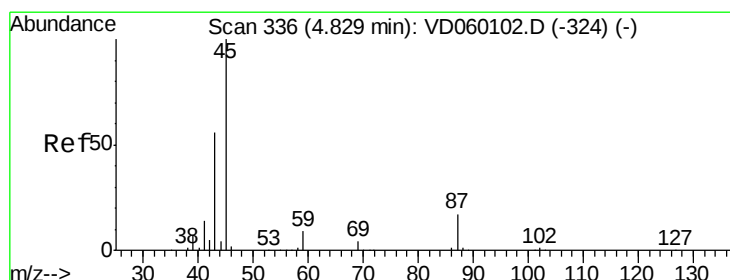
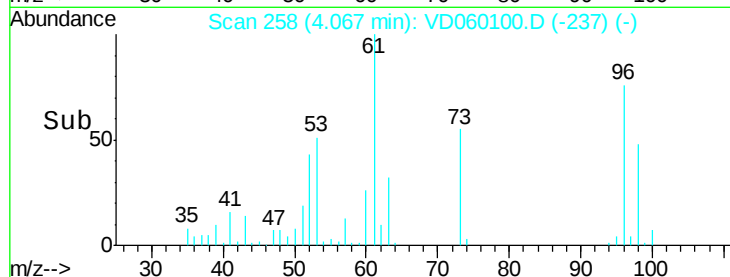
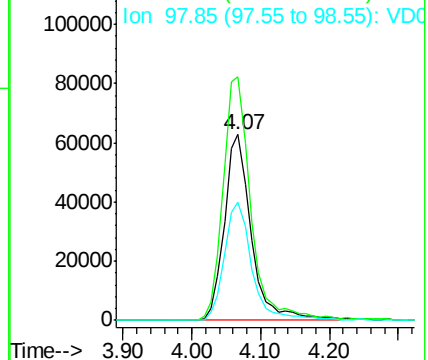
96 100

61 130.9 103.3 154.9

98 63.3 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: 9.671 ug/l

RT: 4.83 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Tgt Ion: 45 Resp: 606512

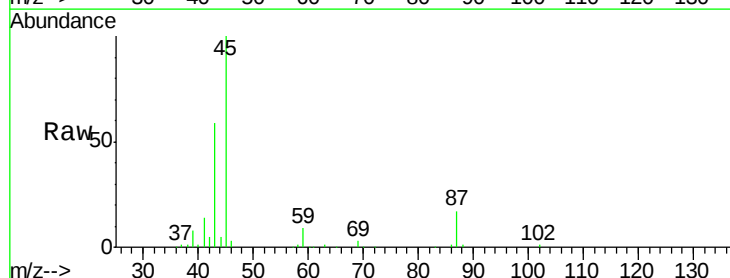
Ion Ratio Lower Upper

45 100

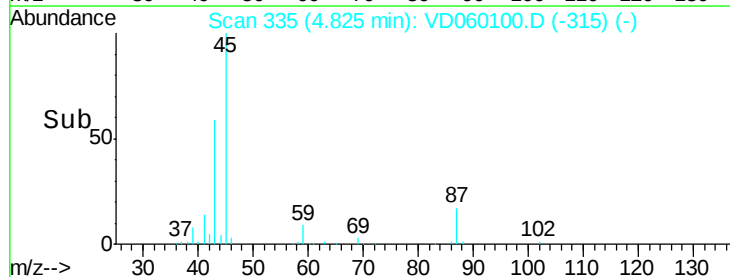
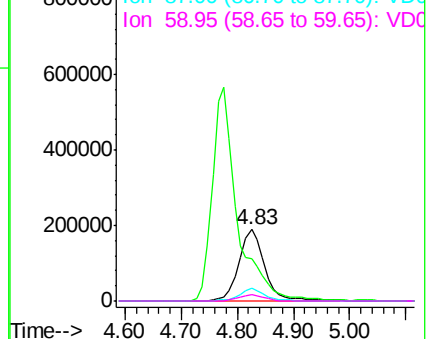
43 58.7 44.8 67.2

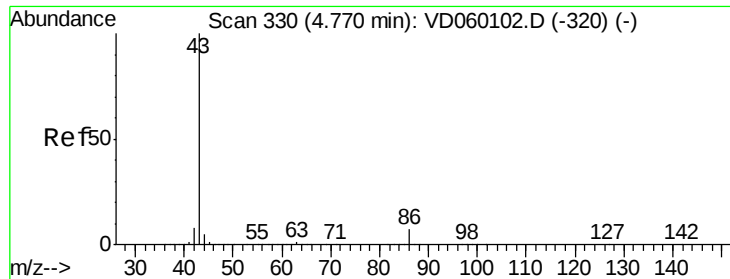
87 17.1 13.9 20.9

59 8.8 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

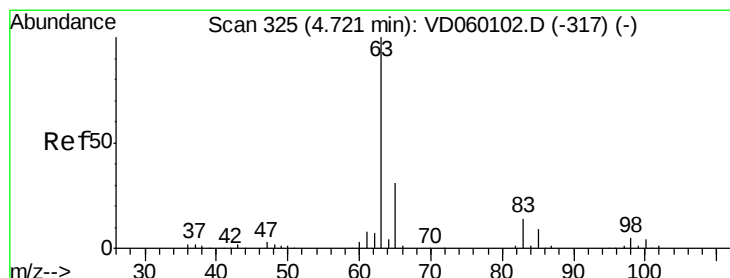
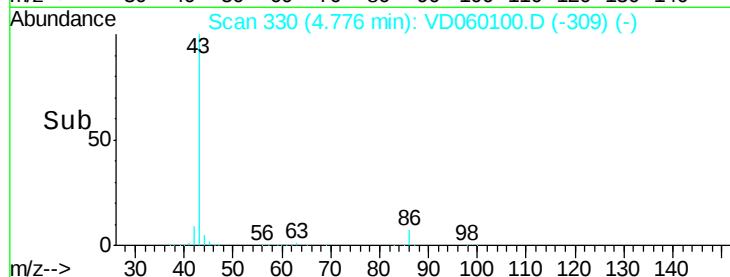
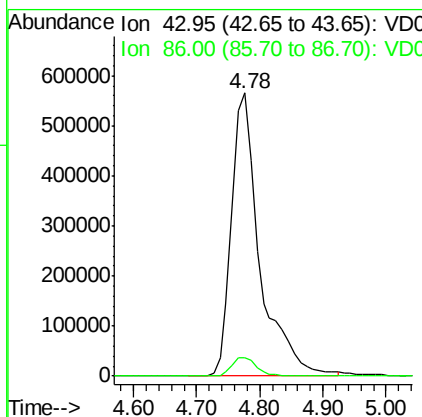
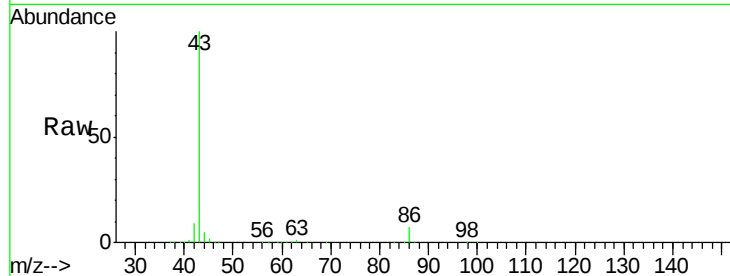




#23
 Vinyl Acetate
 Concen: 49.401 ug/l
 RT: 4.78 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

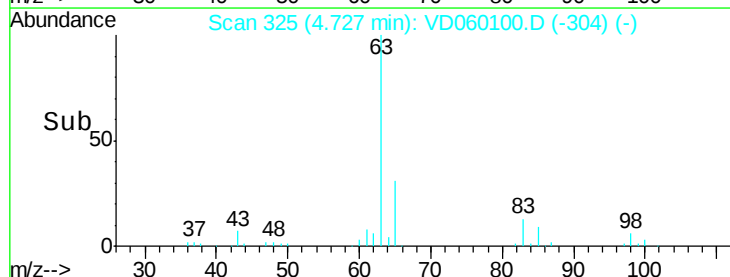
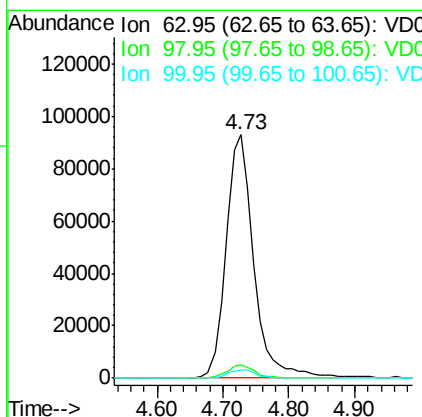
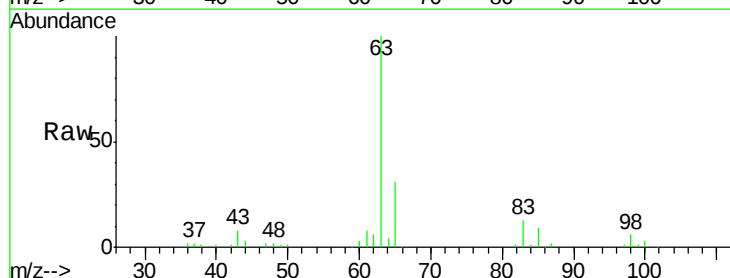
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

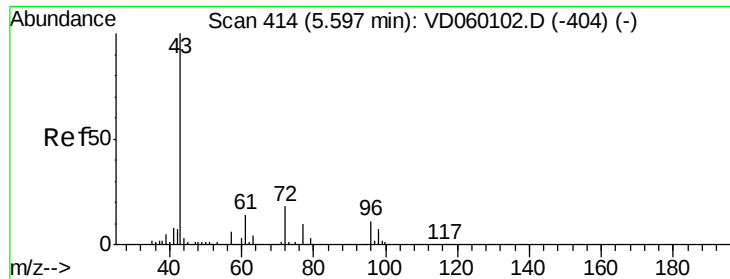
Tgt Ion: 43 Resp: 1758144
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 9.627 ug/l
 RT: 4.73 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion: 63 Resp: 272559
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.4 1.8 5.3





#25

2-Butanone

Concen: 44.819 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

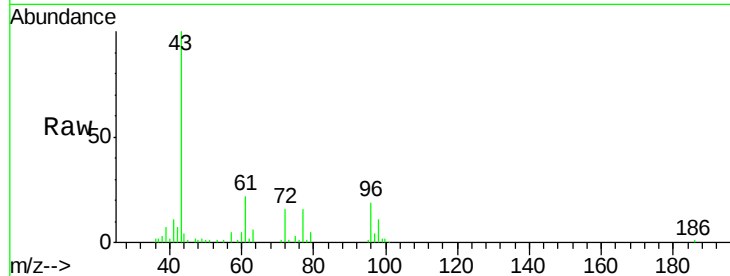
VSTDIC010

Tgt Ion: 43 Resp: 288732

Ion Ratio Lower Upper

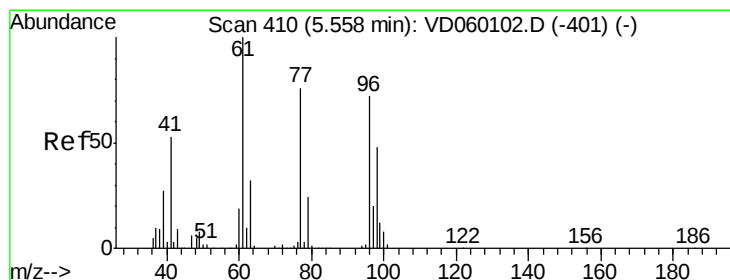
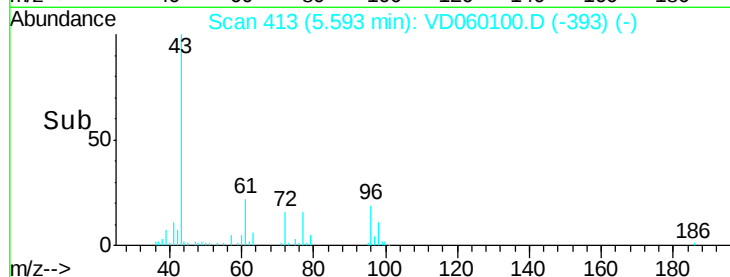
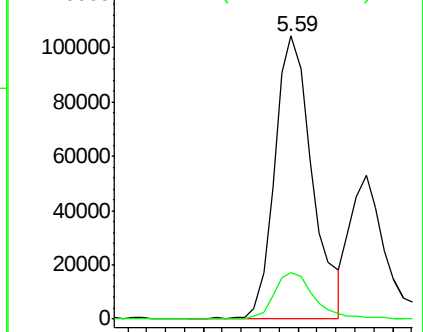
43 100

72 16.5 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: 10.049 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.00 min

Lab File: VD060100.D

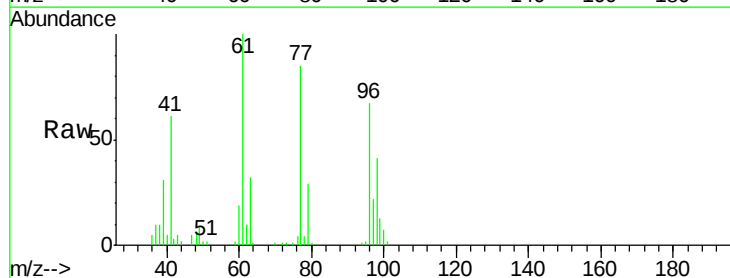
Acq: 1 Oct 2018 16:53

Tgt Ion: 77 Resp: 220190

Ion Ratio Lower Upper

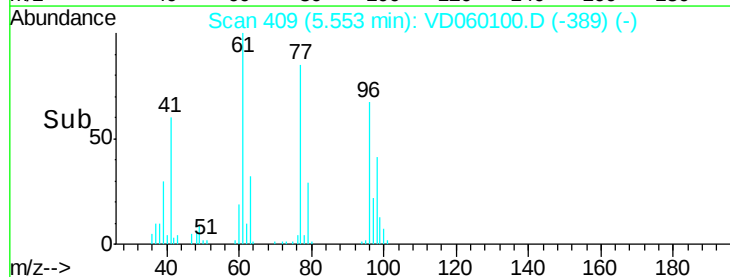
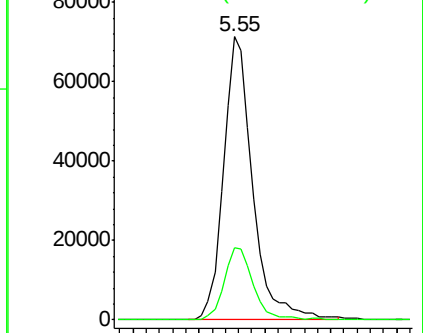
77 100

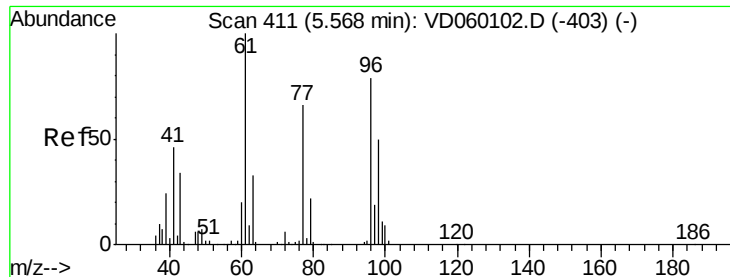
97 25.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



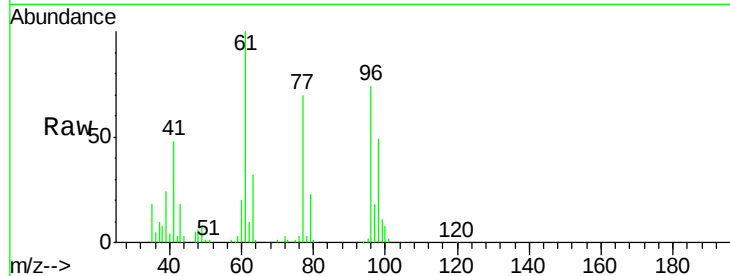


#27

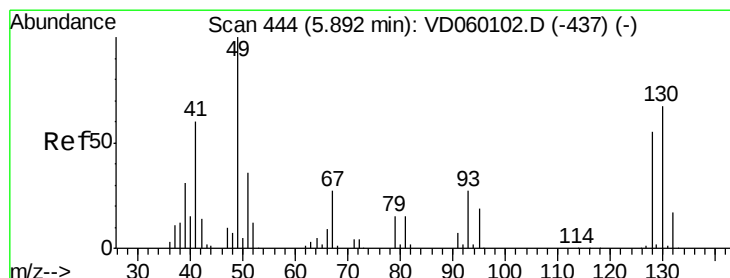
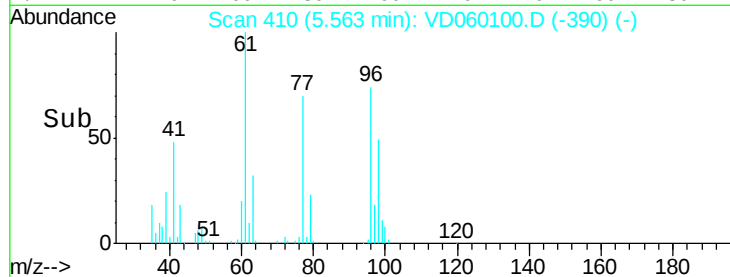
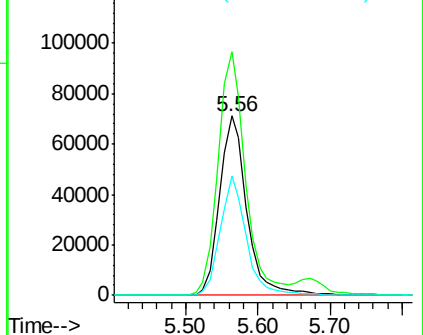
cis-1,2-Dichloroethene
 Concen: 10.250 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 184852
 Ion Ratio Lower Upper
 96 100
 61 135.9 0.0 251.8
 98 66.3 0.0 125.2



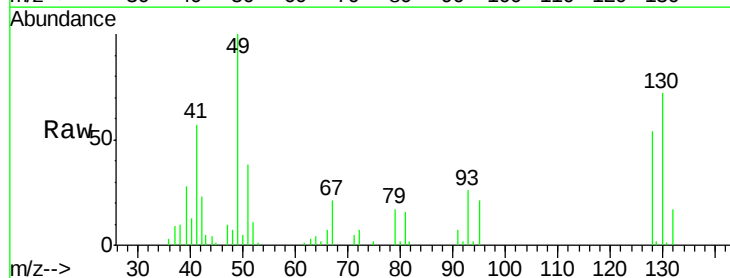
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



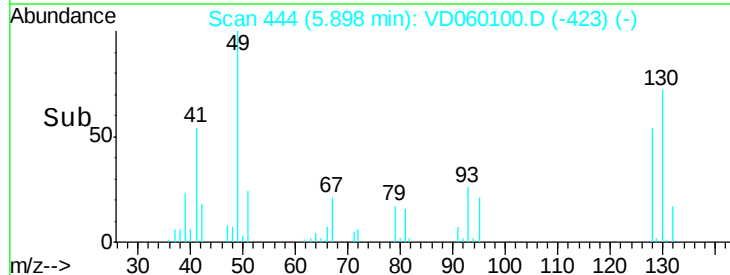
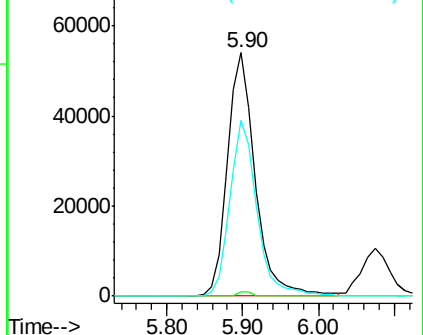
#28

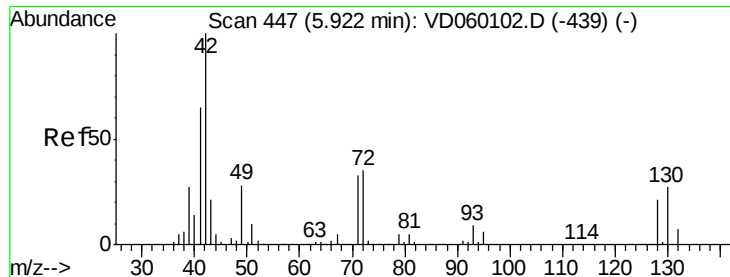
Bromochloromethane
 Concen: 9.944 ug/l
 RT: 5.90 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion: 49 Resp: 136833
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.6
 130 72.0 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

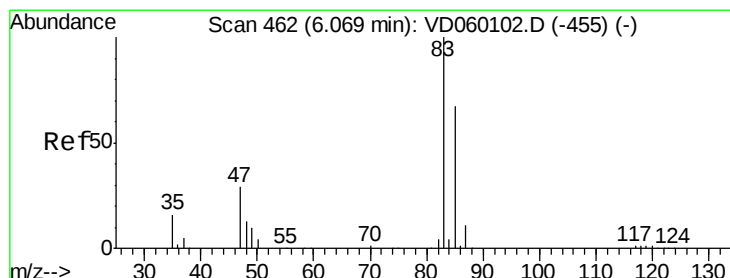
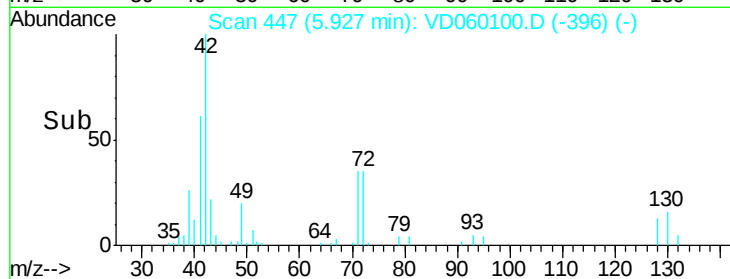
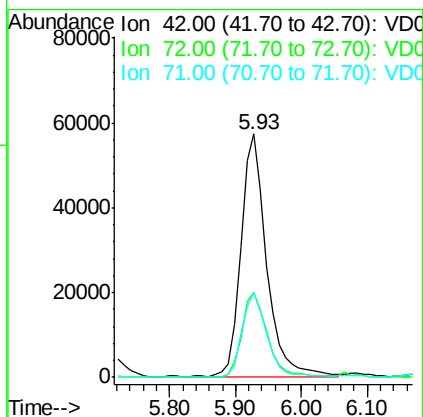
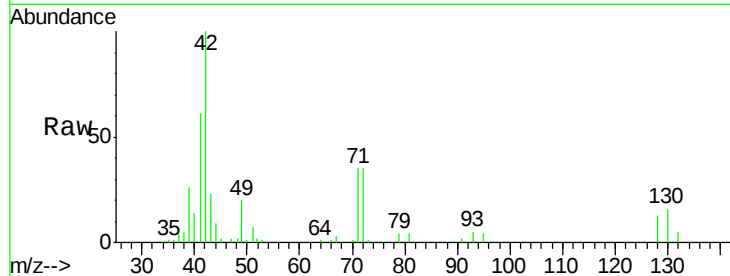




#29
Tetrahydrofuran
Concen: 45.862 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

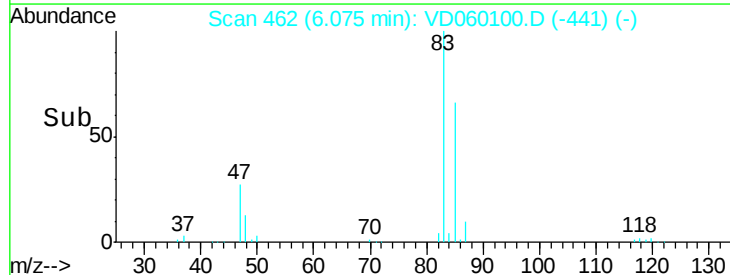
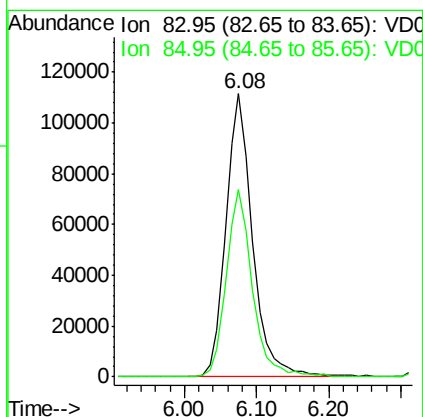
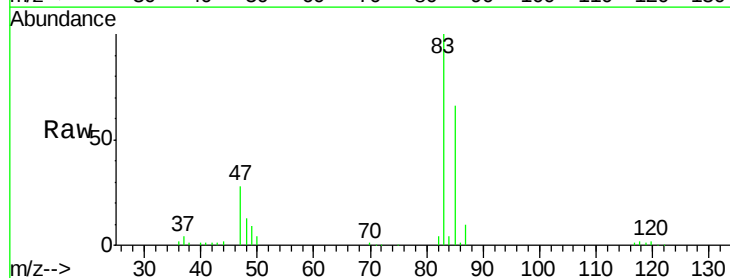
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

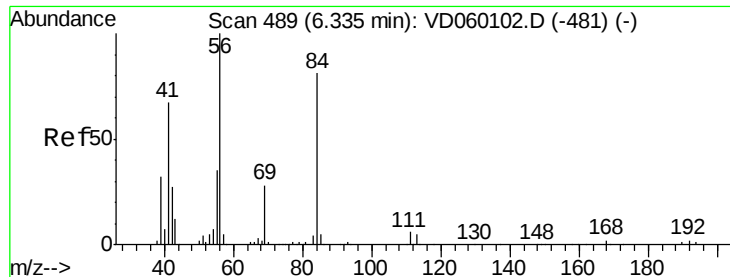
Tgt Ion: 42 Resp: 158447
Ion Ratio Lower Upper
42 100
72 34.5 26.9 40.3
71 33.7 26.7 40.1



#30
Chloroform
Concen: 9.967 ug/l
RT: 6.08 min Scan# 462
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 83 Resp: 284980
Ion Ratio Lower Upper
83 100
85 66.1 53.8 80.8

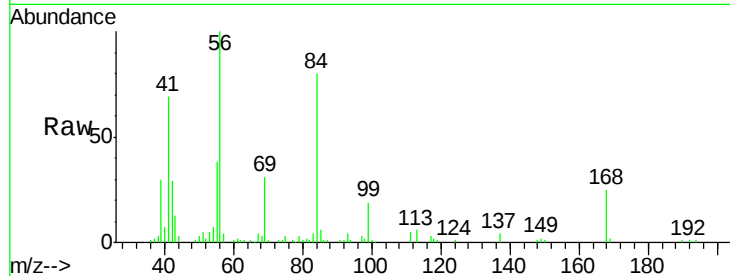




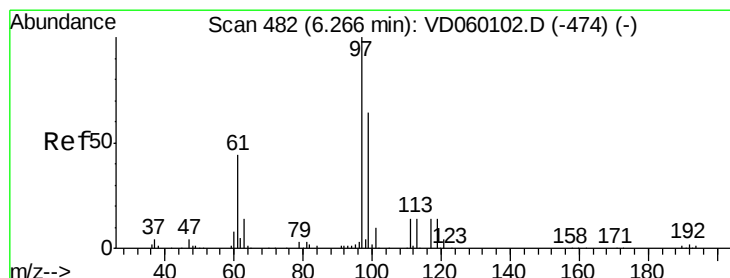
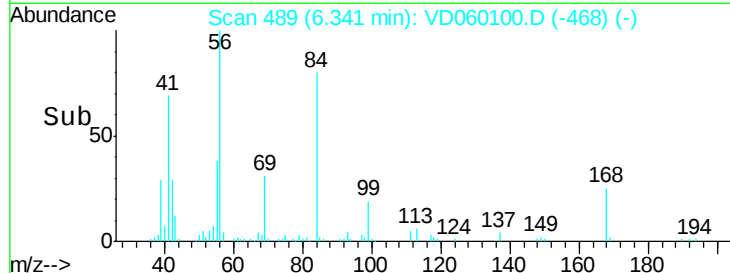
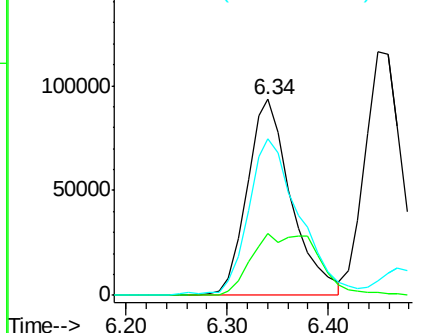
#31
Cyclohexane
Concen: 10.365 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 284084
Ion Ratio Lower Upper
56 100
69 31.5 22.8 34.2
84 80.0 64.9 97.3

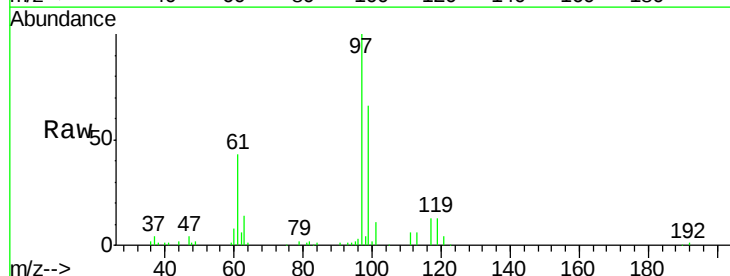


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

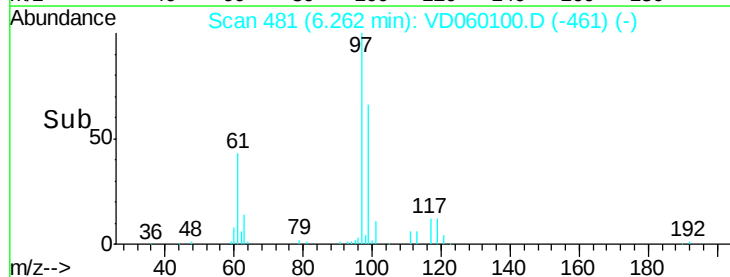
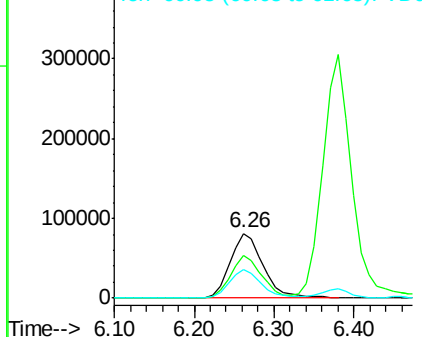


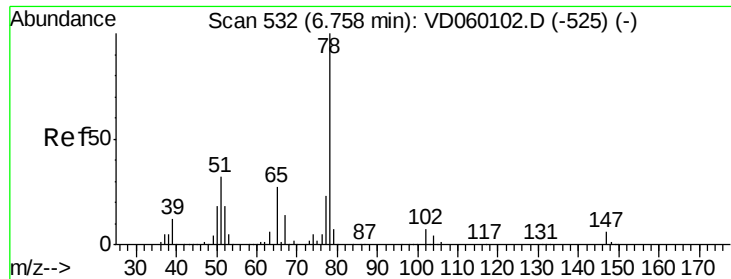
#32
1,1,1-Trichloroethane
Concen: 9.825 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 97 Resp: 232219
Ion Ratio Lower Upper
97 100
99 66.2 51.4 77.0
61 43.3 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: 9.825 ug/l

RT: 6.75 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

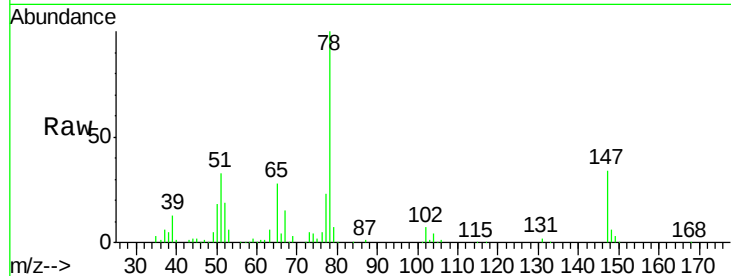
VSTDIC010

Tgt Ion: 65 Resp: 115456

Ion Ratio Lower Upper

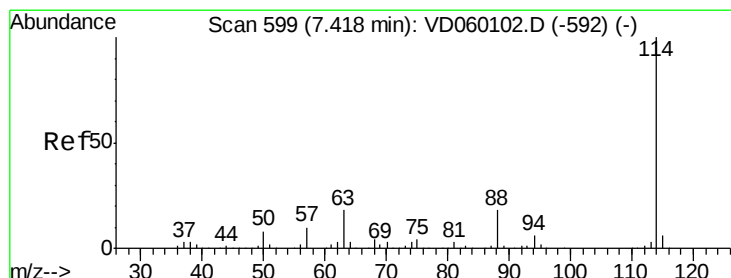
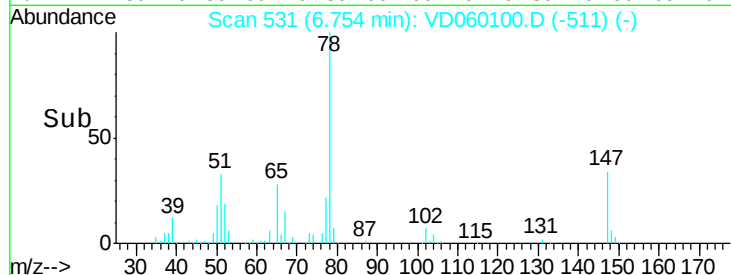
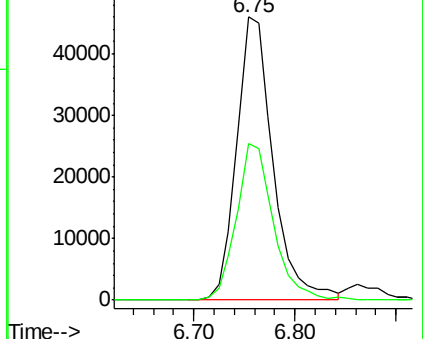
65 100

67 55.5 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

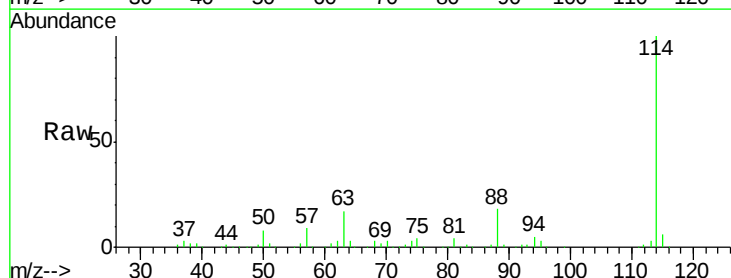
Tgt Ion: 114 Resp: 2197012

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.0

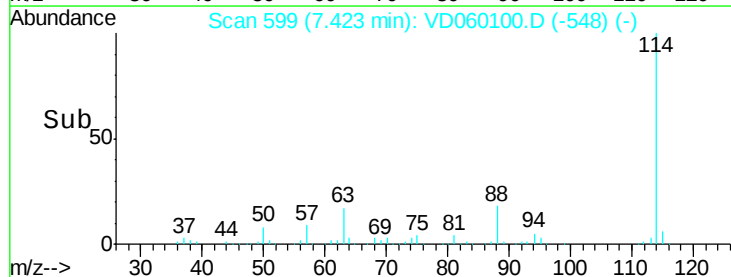
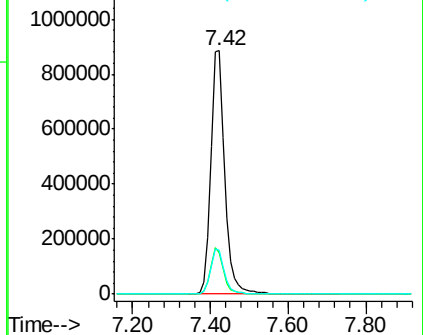
88 17.8 0.0 36.2

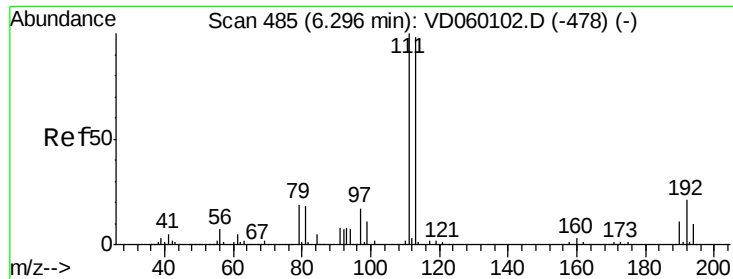


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

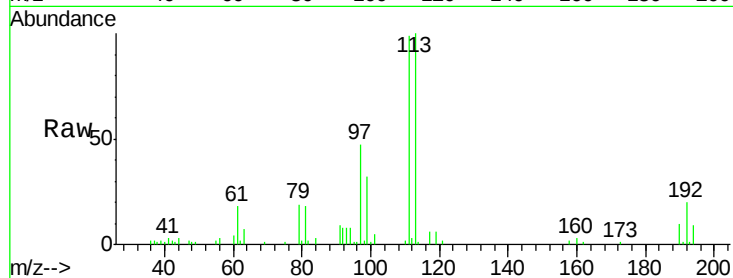




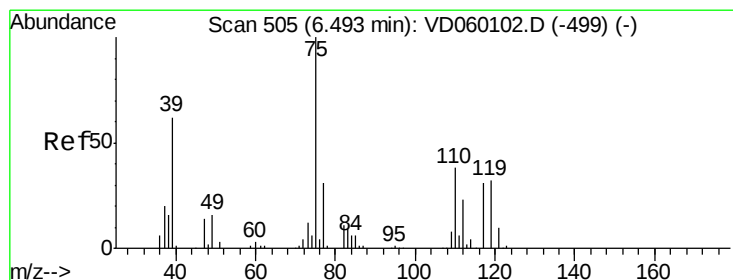
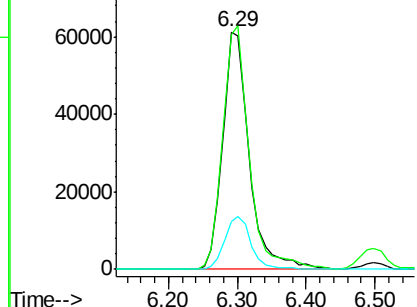
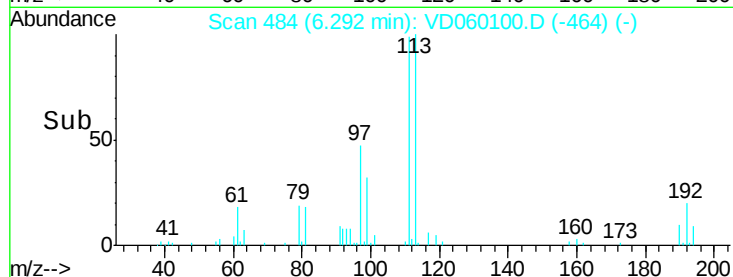
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 484
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 113 Resp: 163877
 Ion Ratio Lower Upper
 113 100
 111 98.8 81.5 122.3
 192 19.9 17.4 26.0

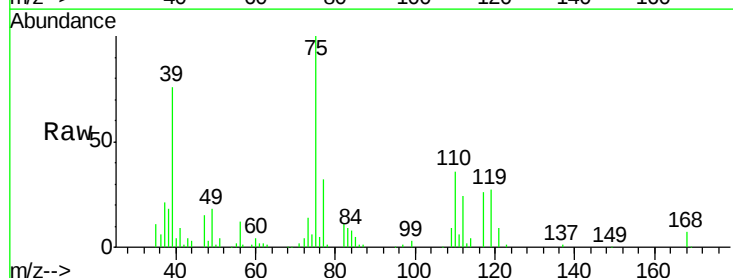


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

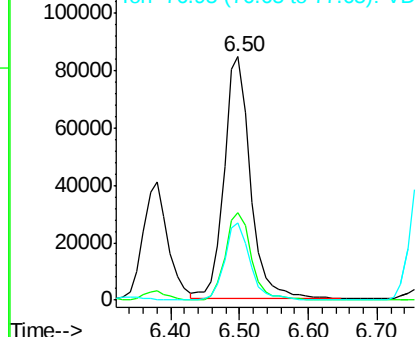
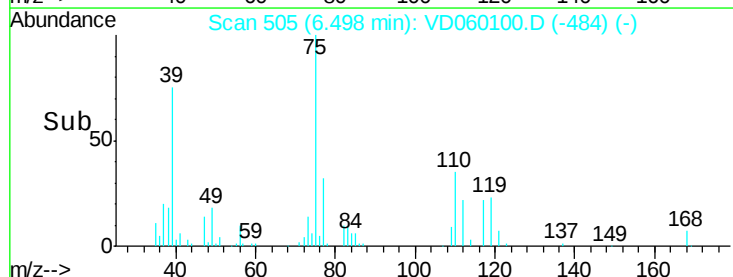


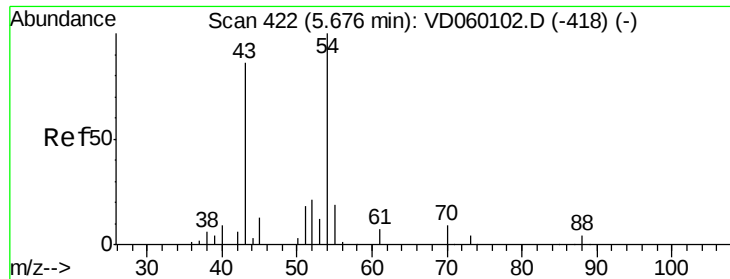
#36
 1,1-Dichloropropene
 Concen: 10.384 ug/l
 RT: 6.50 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion: 75 Resp: 223207
 Ion Ratio Lower Upper
 75 100
 110 36.0 19.0 57.0
 77 31.8 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

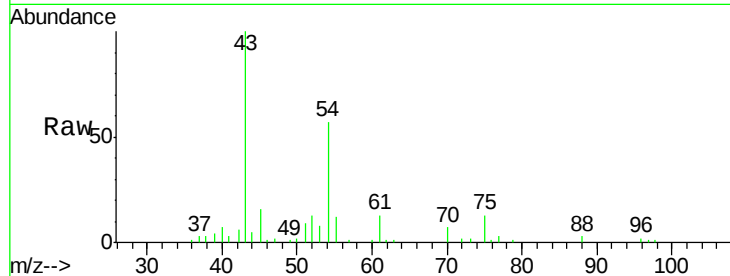




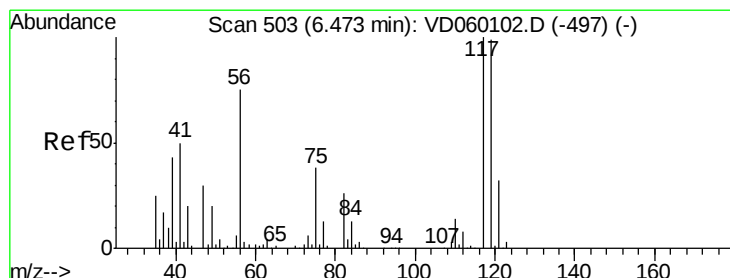
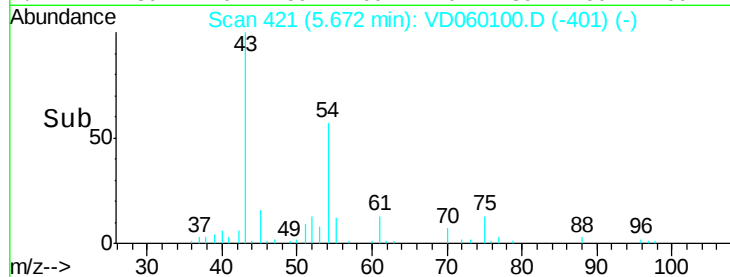
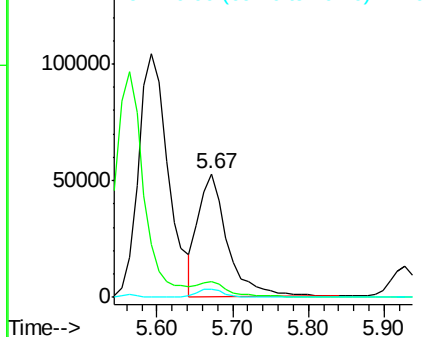
#37
Ethyl Acetate
Concen: 9.410 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 139667
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 7.0 6.3 9.5

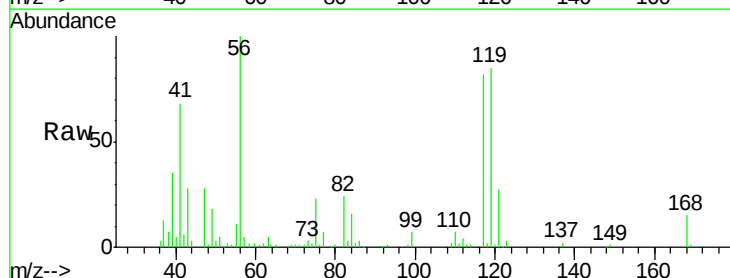


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

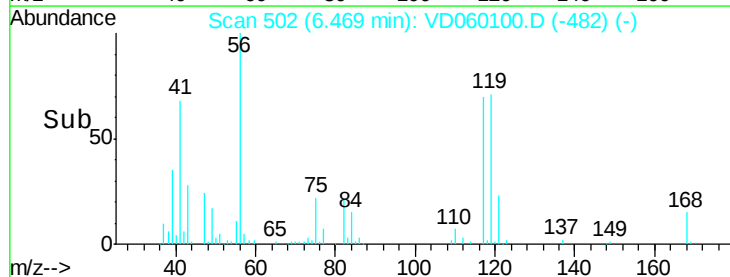
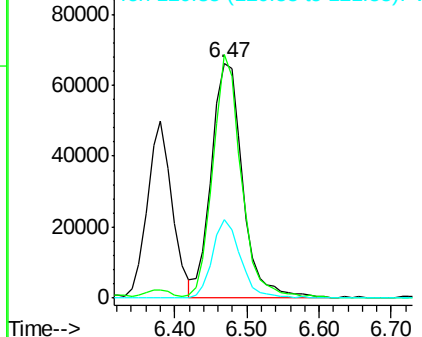


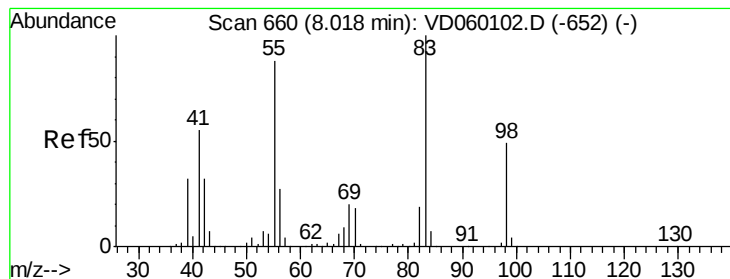
#38
Carbon Tetrachloride
Concen: 9.969 ug/l
RT: 6.47 min Scan# 502
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 117 Resp: 198987
Ion Ratio Lower Upper
117 100
119 103.6 77.8 116.6
121 33.3 24.8 37.2



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 10.300 ug/l

RT: 8.01 min Scan# 659

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

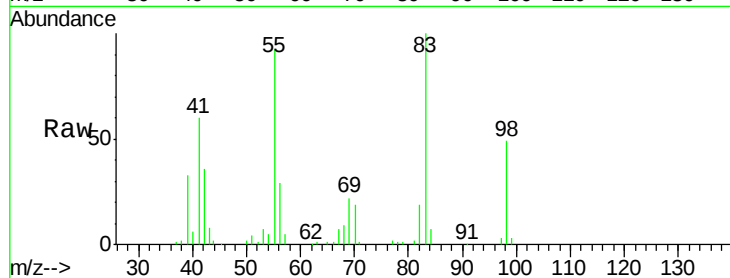
Tgt Ion: 83 Resp: 251212

Ion Ratio Lower Upper

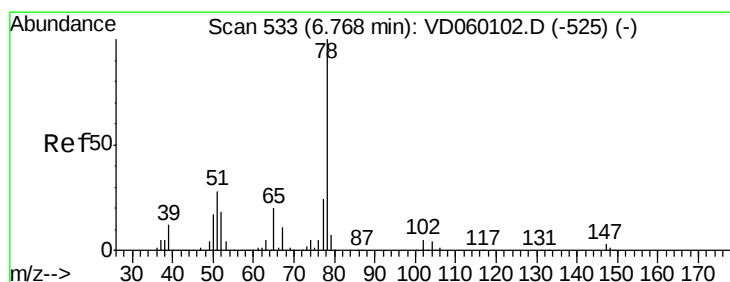
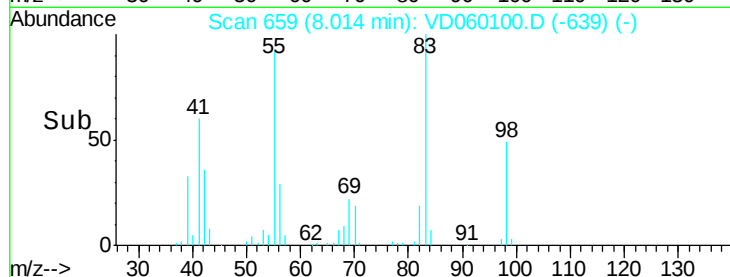
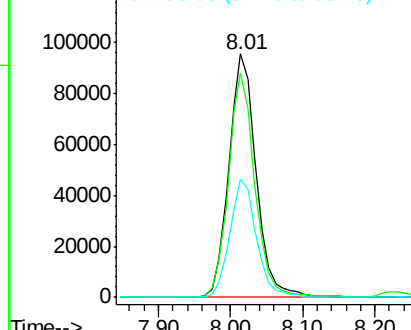
83 100

55 92.2 70.5 105.7

98 48.6 39.4 59.2



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 10.429 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060100.D

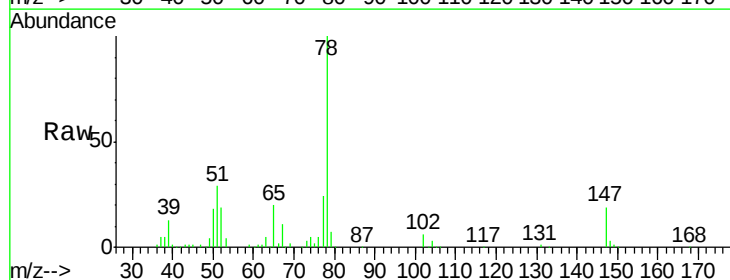
Acq: 1 Oct 2018 16:53

Tgt Ion: 78 Resp: 572084

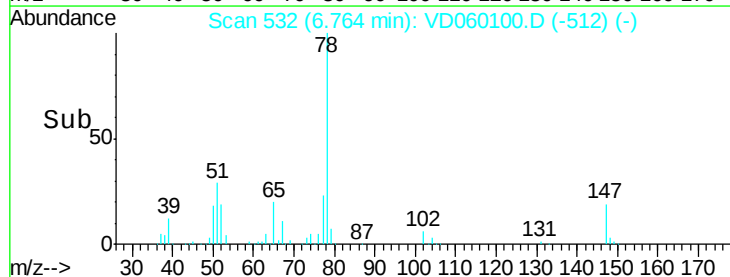
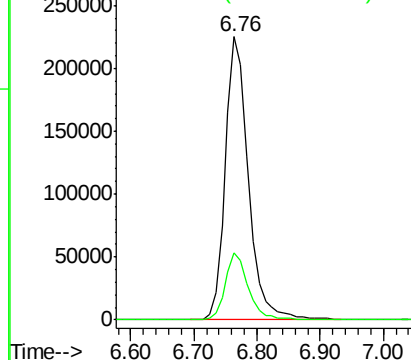
Ion Ratio Lower Upper

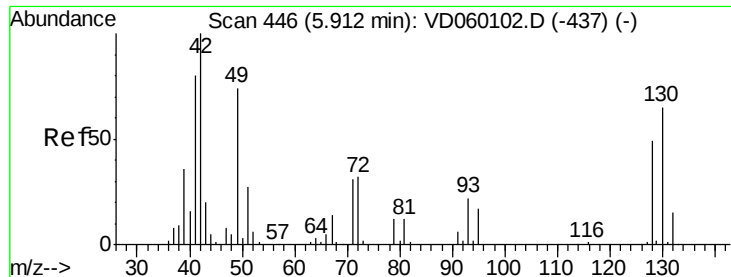
78 100

77 23.8 19.0 28.4



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

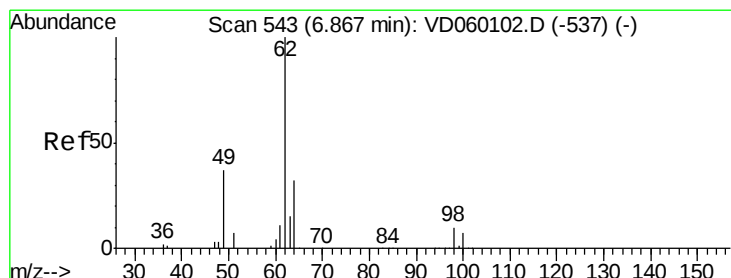
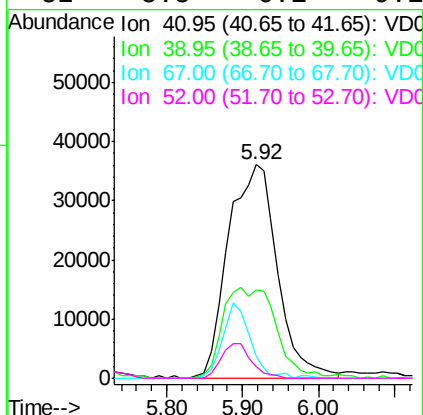
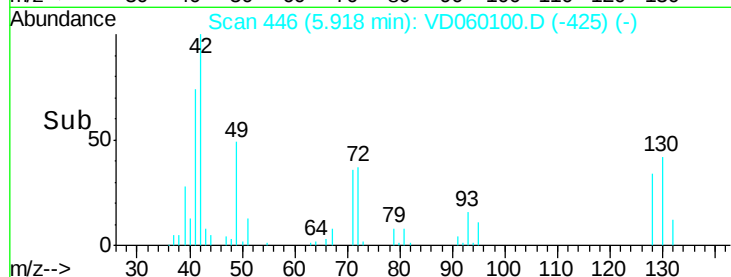
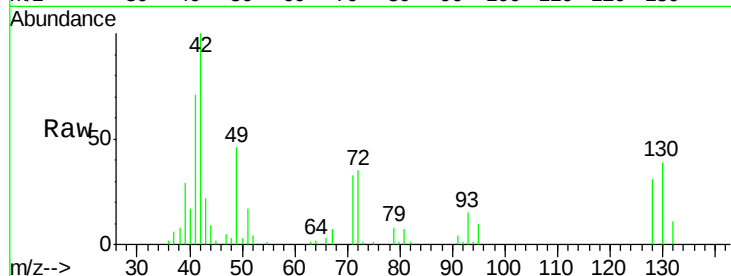




#41
Methacrylonitrile
Concen: 20.558 ug/l
RT: 5.92 min Scan# 446
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

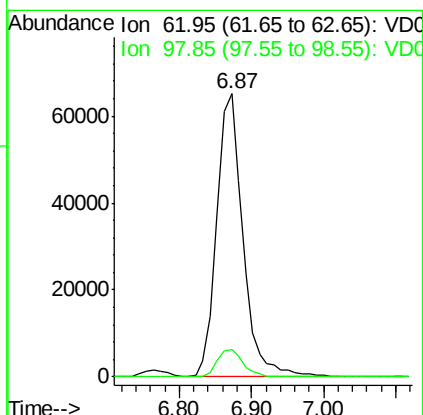
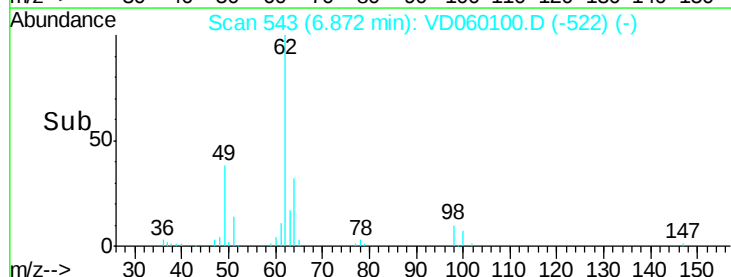
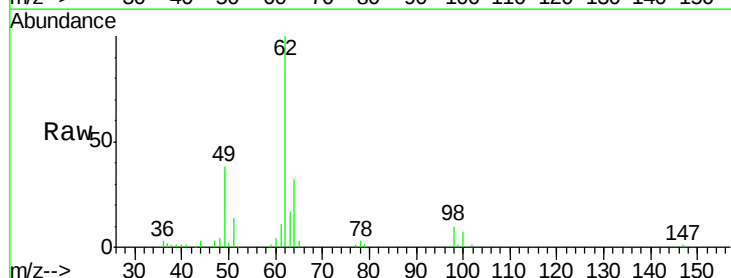
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

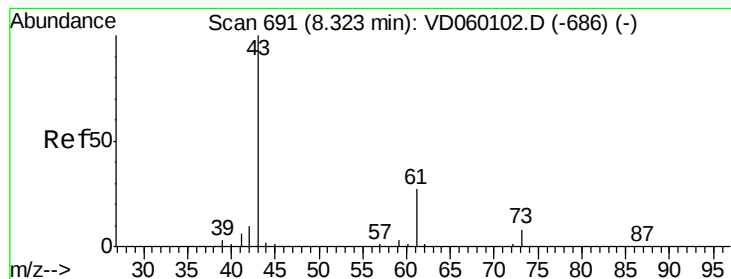
Tgt Ion: 41 Resp: 162348
Ion Ratio Lower Upper
41 100
39 41.5 36.0 54.0
67 10.4 13.9 20.9#
52 5.5 6.1 9.1#



#42
1,2-Dichloroethane
Concen: 9.932 ug/l
RT: 6.87 min Scan# 543
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 62 Resp: 163407
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.6





#43

Isopropyl Acetate

Concen: 9.290 ug/l

RT: 8.33 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

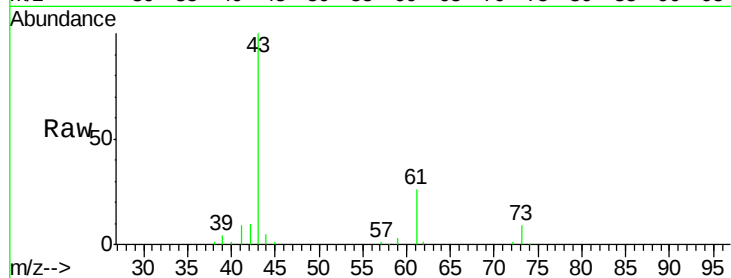
Tgt Ion: 43 Resp: 182709

Ion Ratio Lower Upper

43 100

61 26.2 21.4 32.2

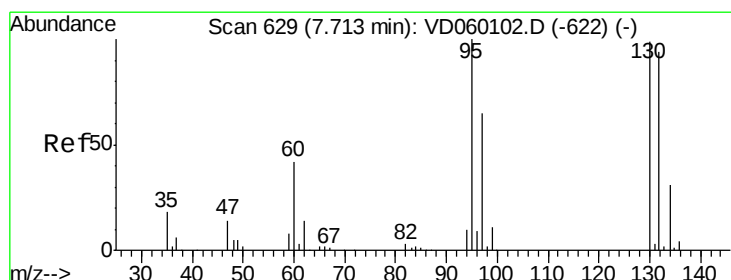
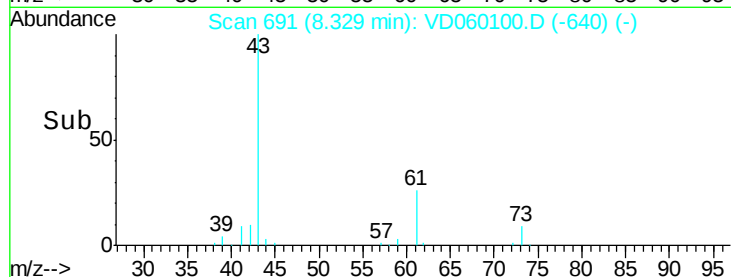
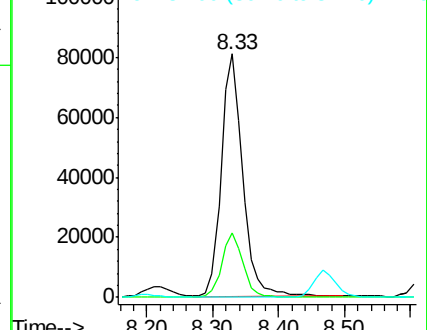
87 0.0 0.2 0.2#



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: 10.233 ug/l

RT: 7.72 min Scan# 629

Delta R.T. 0.01 min

Lab File: VD060100.D

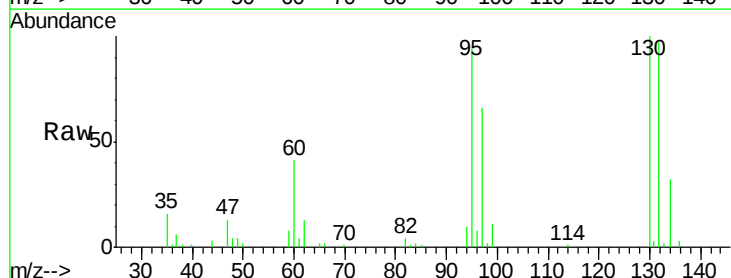
Acq: 1 Oct 2018 16:53

Tgt Ion:130 Resp: 174352

Ion Ratio Lower Upper

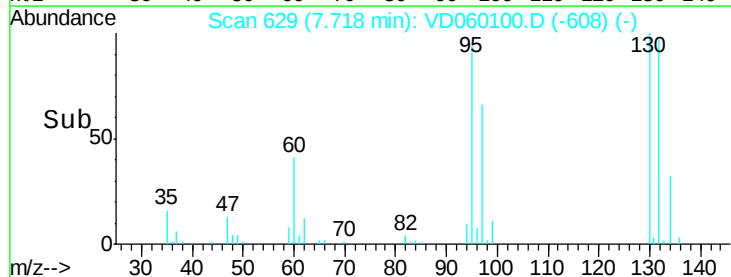
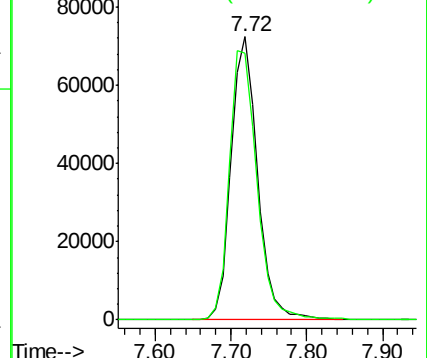
130 100

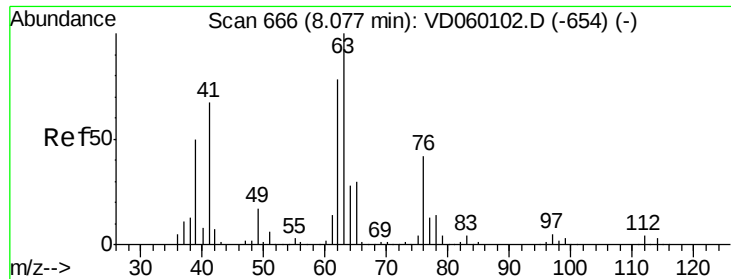
95 94.1 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.079 ug/l

RT: 8.08 min Scan# 666

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

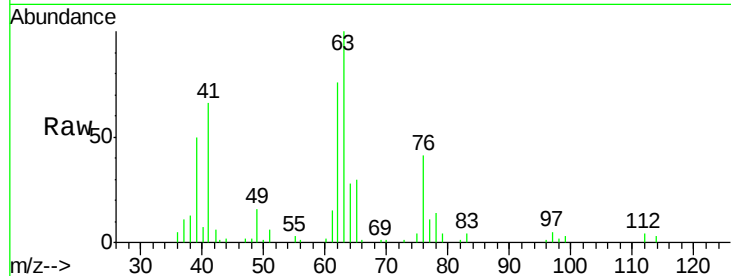
VSTDIC010

Tgt Ion: 63 Resp: 147994

Ion Ratio Lower Upper

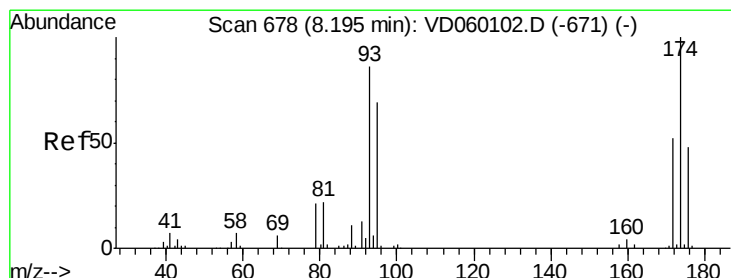
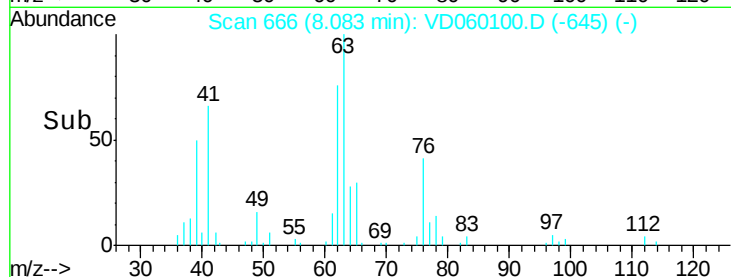
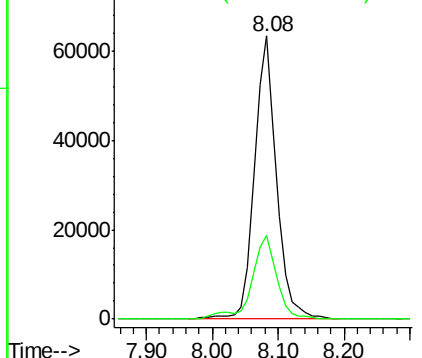
63 100

65 29.7 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 9.688 ug/l

RT: 8.19 min Scan# 677

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

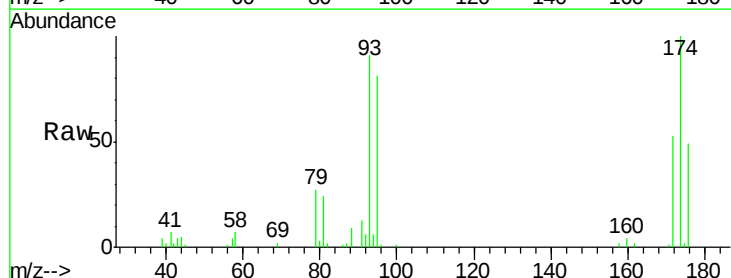
Tgt Ion: 93 Resp: 92468

Ion Ratio Lower Upper

93 100

95 88.5 63.8 95.6

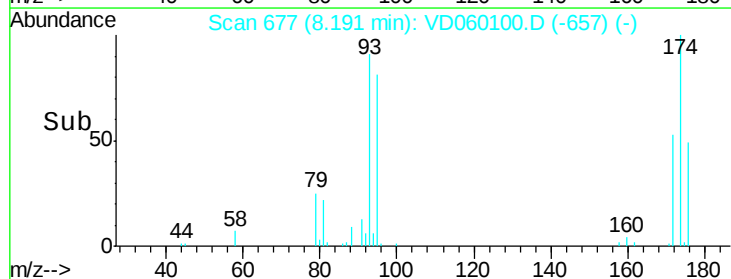
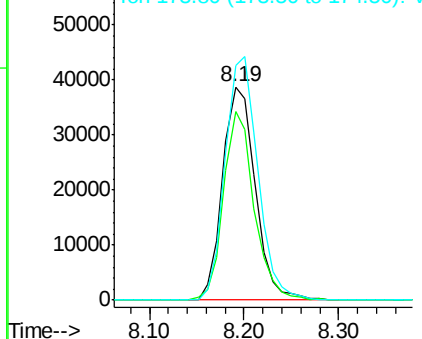
174 109.9 92.9 139.3

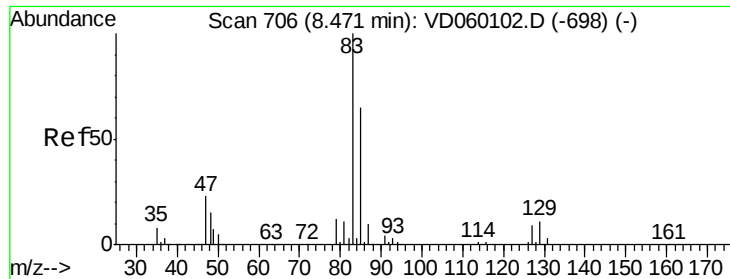


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 9.617 ug/l

RT: 8.47 min Scan# 705

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

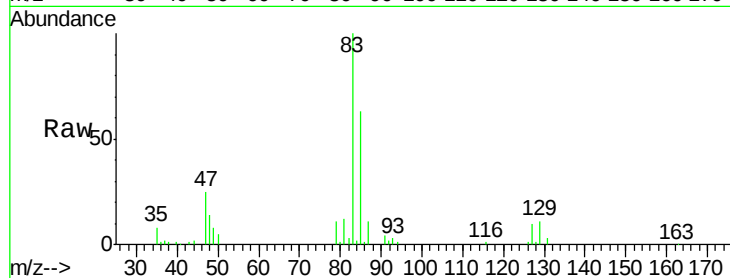
Tgt Ion: 83 Resp: 198422

Ion Ratio Lower Upper

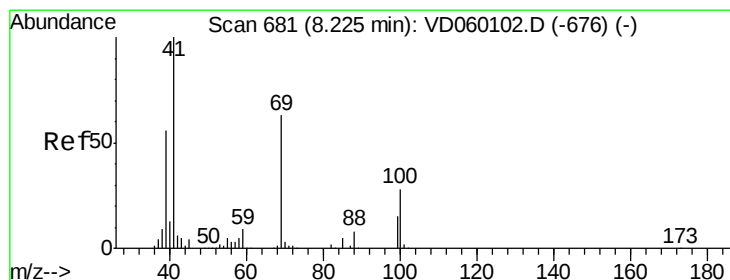
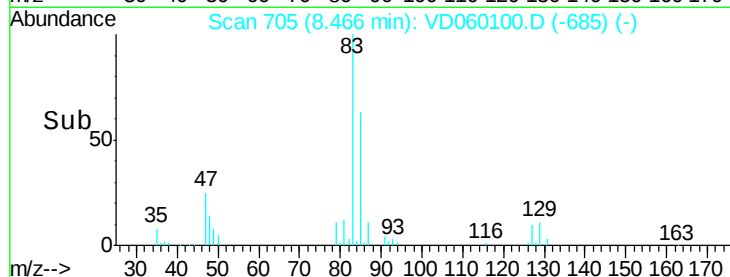
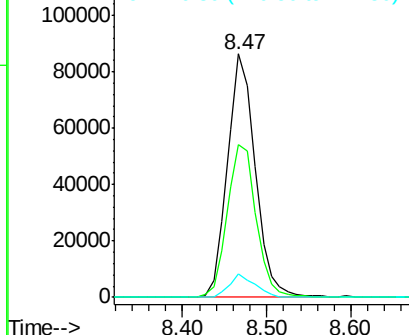
83 100

85 63.0 52.2 78.2

127 9.5 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: 9.712 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

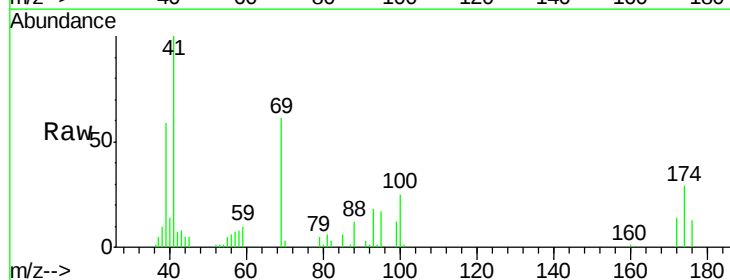
Tgt Ion: 41 Resp: 106489

Ion Ratio Lower Upper

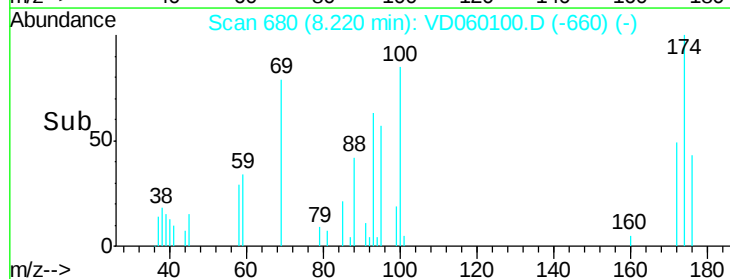
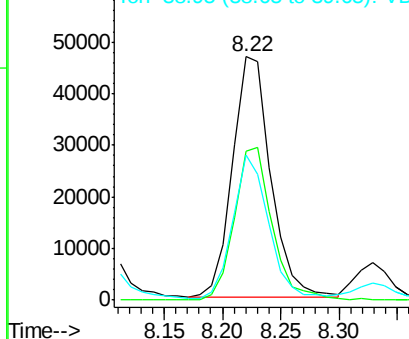
41 100

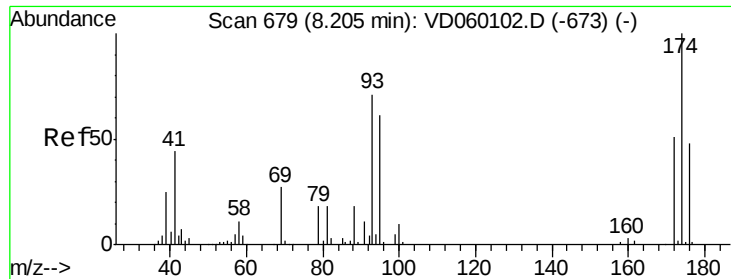
69 61.1 49.7 74.5

39 59.5 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

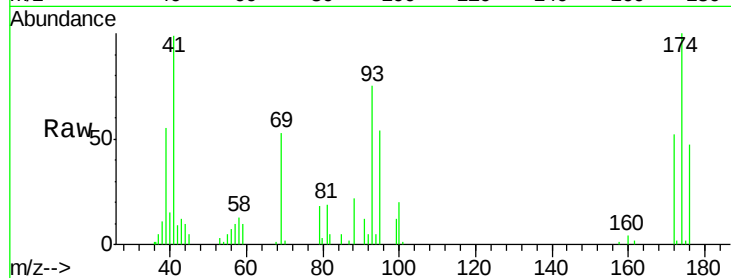




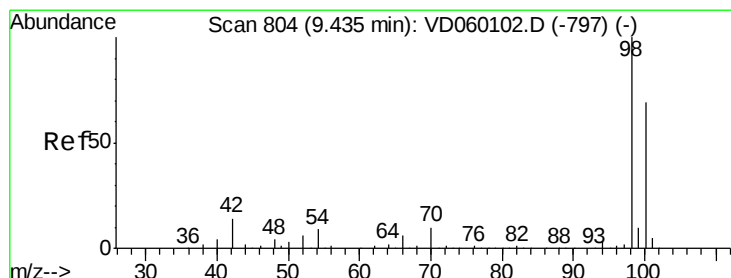
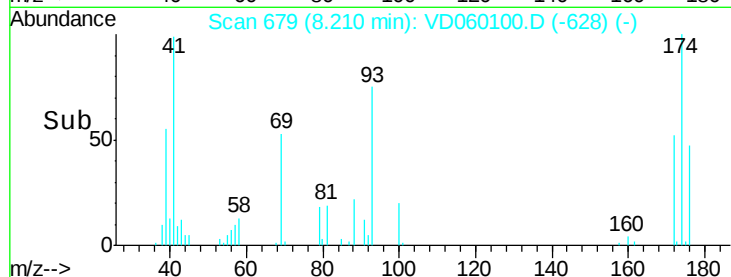
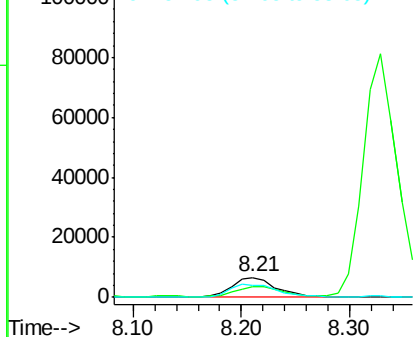
#49
1,4-Dioxane
Concen: 174.429 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 19032
Ion Ratio Lower Upper
88 100
43 53.6 33.7 50.5#
58 61.1 49.1 73.7

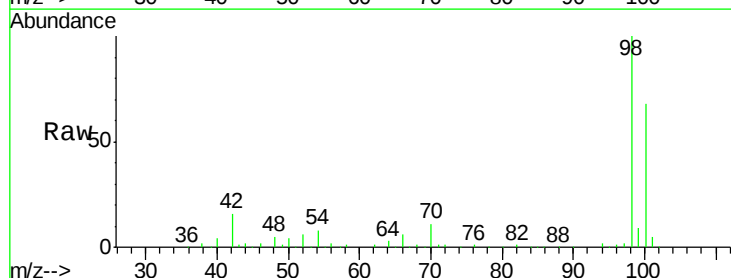


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

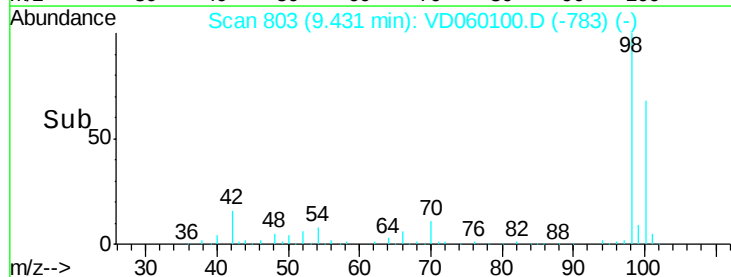
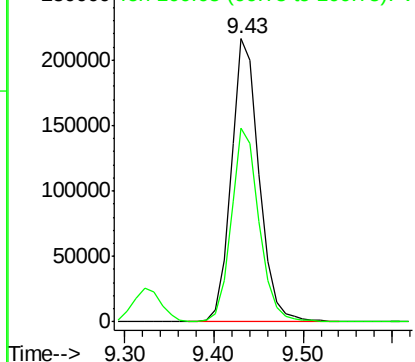


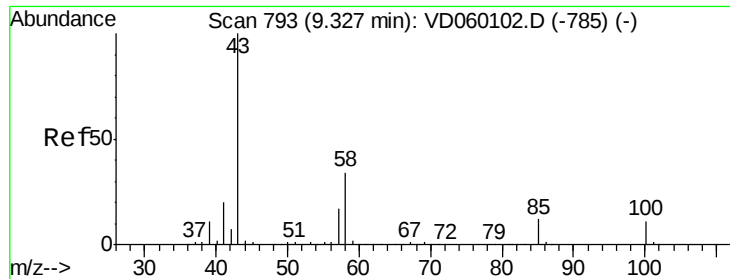
#50
Toluene-d8
Concen: 174.429 ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 98 Resp: 472834
Ion Ratio Lower Upper
98 100
100 68.3 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: 43.859 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

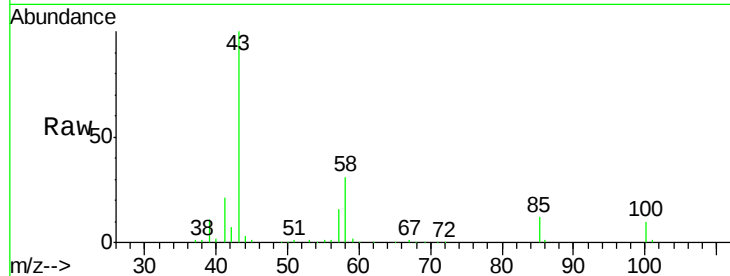
VSTDIC010

Tgt Ion: 43 Resp: 591744

Ion Ratio Lower Upper

43 100

58 31.2 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

250000

200000

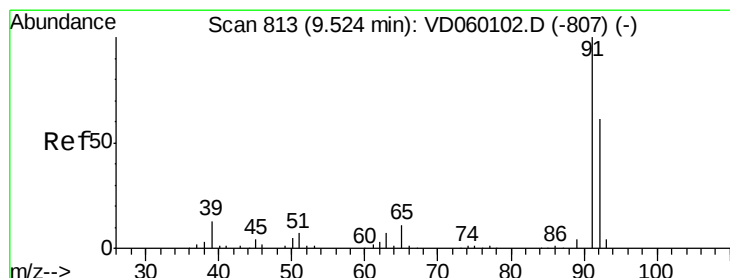
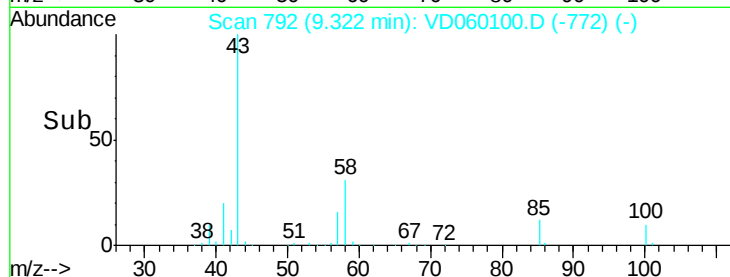
150000

100000

50000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 10.350 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.01 min

Lab File: VD060100.D

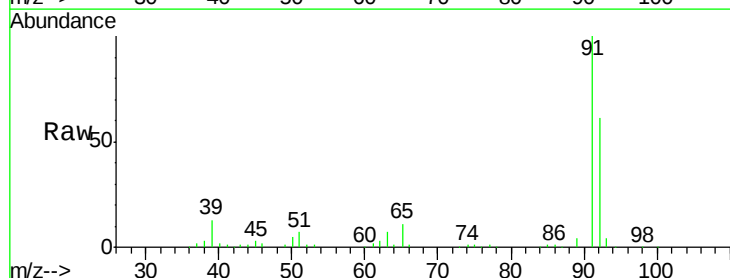
Acq: 1 Oct 2018 16:53

Tgt Ion: 92 Resp: 366450

Ion Ratio Lower Upper

92 100

91 165.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

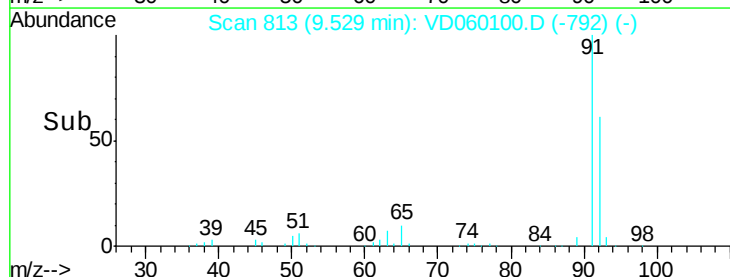
300000

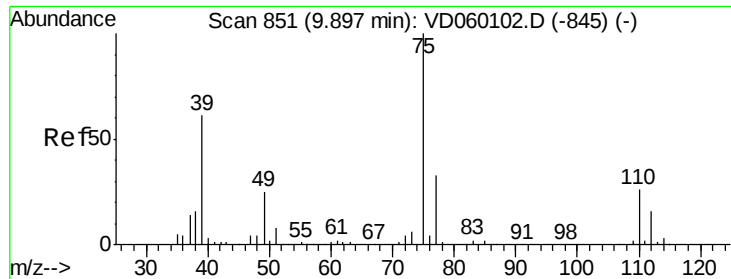
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 9.212 ug/l

RT: 9.90 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

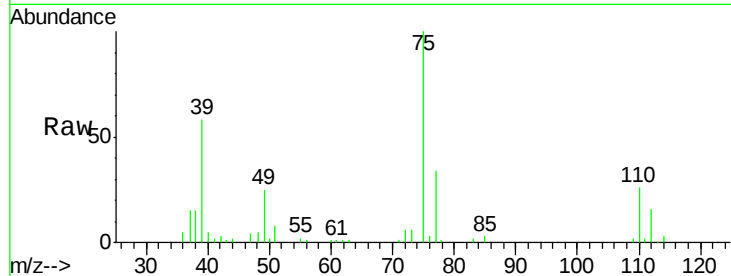
VSTDIC010

Tgt Ion: 75 Resp: 177498

Ion Ratio Lower Upper

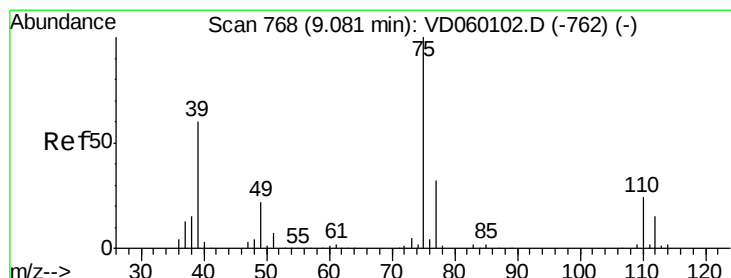
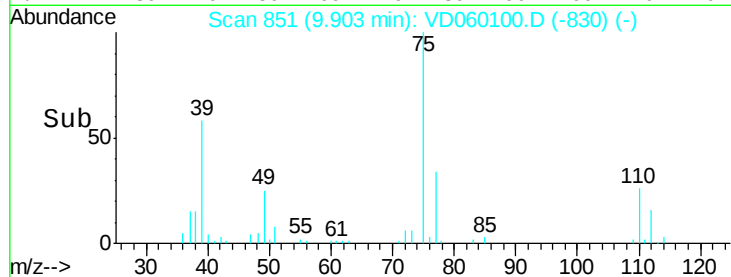
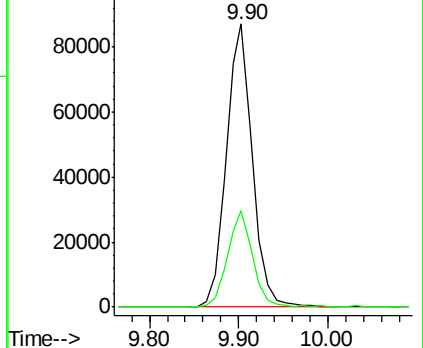
75 100

77 33.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.648 ug/l

RT: 9.09 min Scan# 768

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

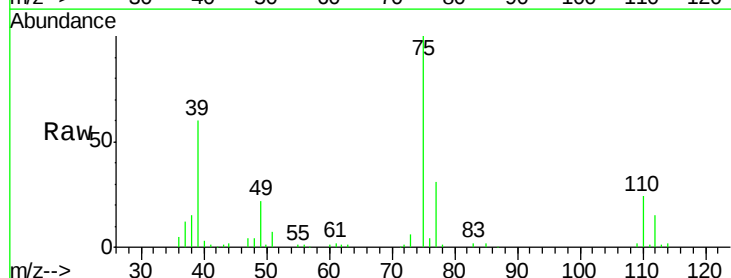
Tgt Ion: 75 Resp: 221807

Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

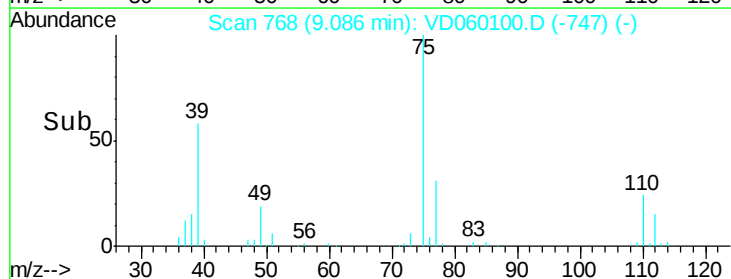
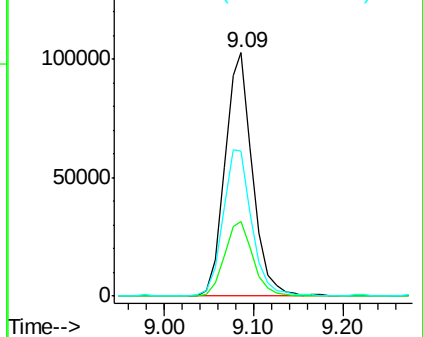
39 59.7 48.2 72.4

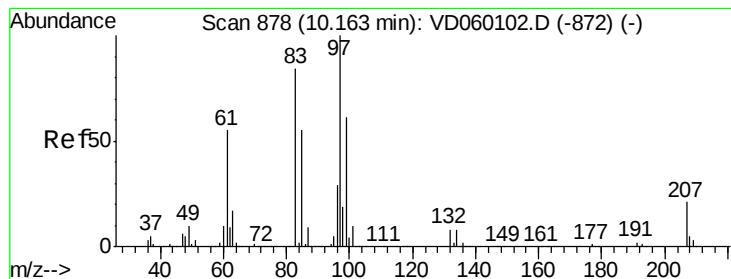


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 9.902 ug/l

RT: 10.16 min Scan# 877

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 121587

Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.0	100.6
85	53.6	43.9	65.9
99	60.0	49.1	73.7

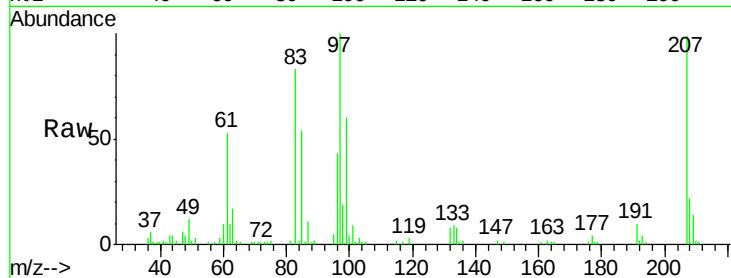
Ion Ratio Lower Upper

97 100

83 82.5 67.0 100.6

85 53.6 43.9 65.9

99 60.0 49.1 73.7

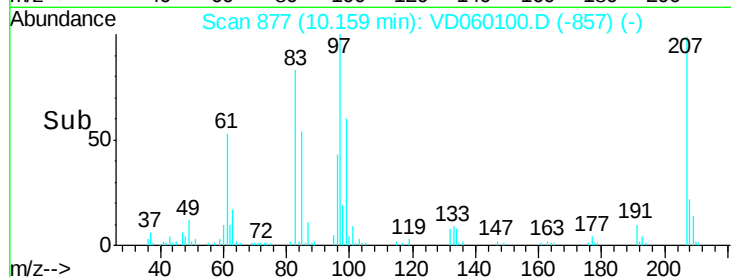


Abundance Ion 96.85 (96.55 to 97.55): VDC

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



Time-->

10.16

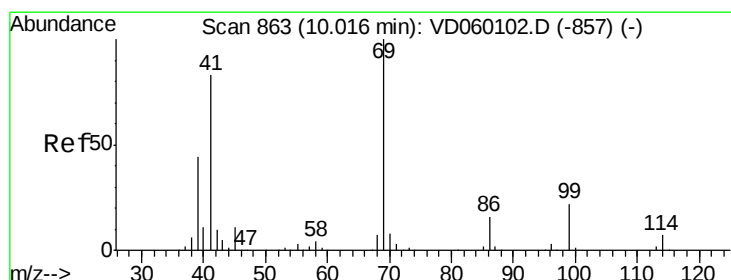
60000

40000

20000

0

10.10 10.20 10.30



#56

Ethyl methacrylate

Concen: 9.186 ug/l

RT: 10.01 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Tgt Ion: 69 Resp: 124336

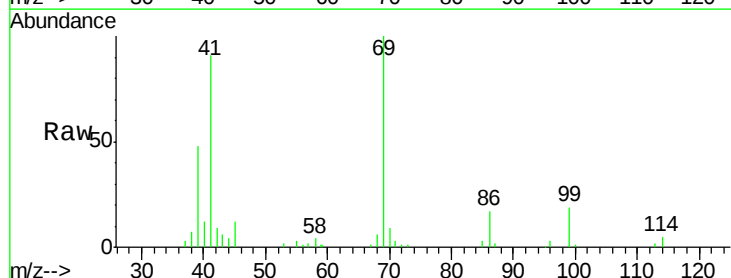
Ion	Ratio	Lower	Upper
69	100		
41	91.0	66.6	100.0
39	47.6	36.0	54.0

Ion Ratio Lower Upper

69 100

41 91.0 66.6 100.0

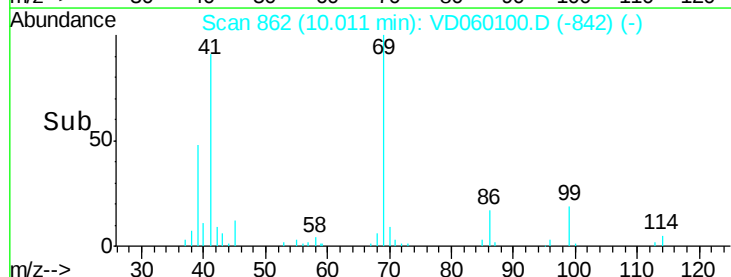
39 47.6 36.0 54.0



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



Time-->

10.01

80000

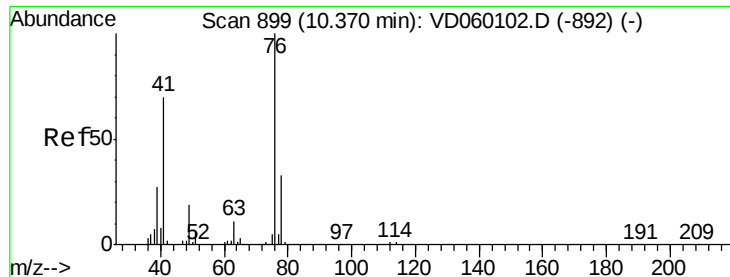
60000

40000

20000

0

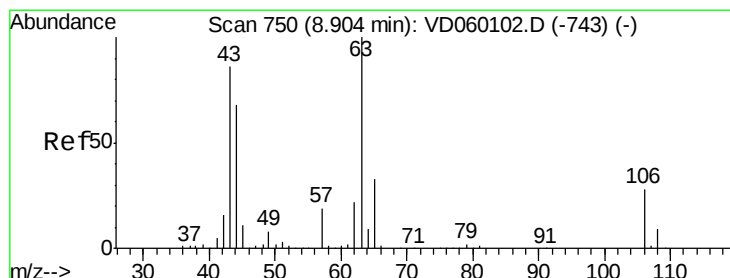
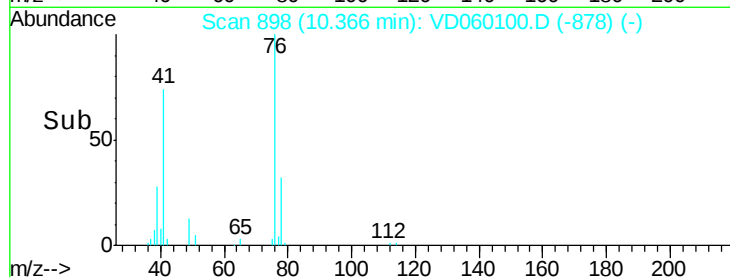
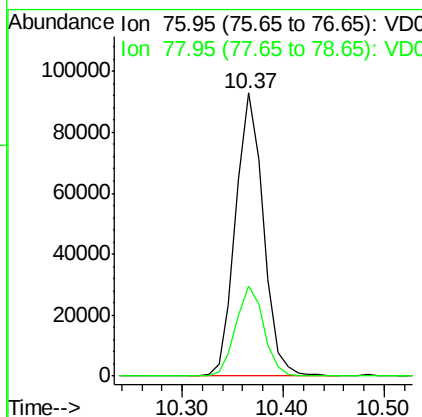
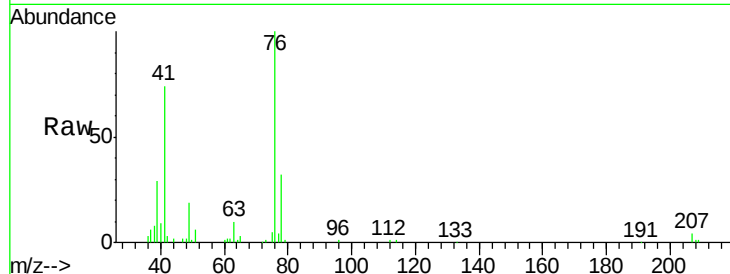
9.90 10.00 10.10



#57
 1,3-Dichloropropane
 Concen: 9.818 ug/l
 RT: 10.37 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

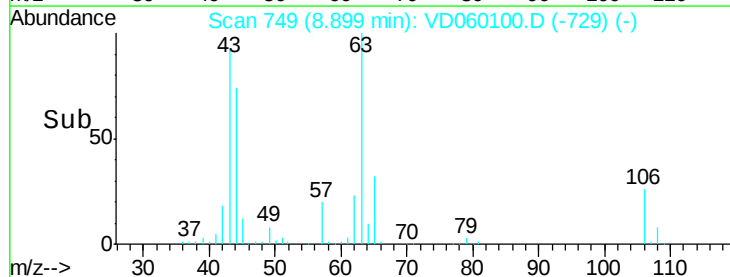
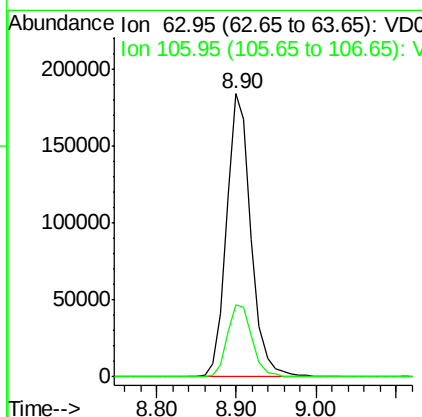
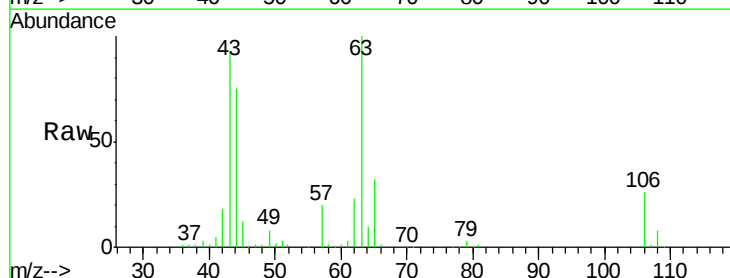
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

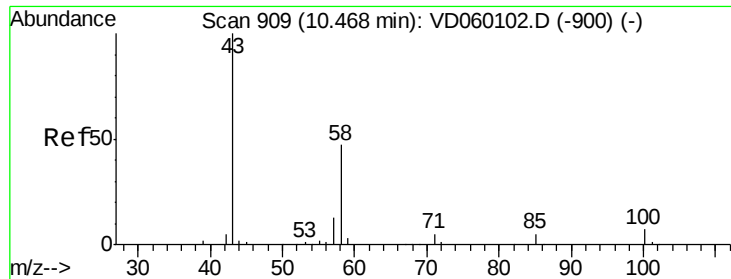
Tgt Ion: 76 Resp: 177545
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 59.161 ug/l
 RT: 8.90 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion: 63 Resp: 394888
 Ion Ratio Lower Upper
 63 100
 106 25.6 22.6 34.0

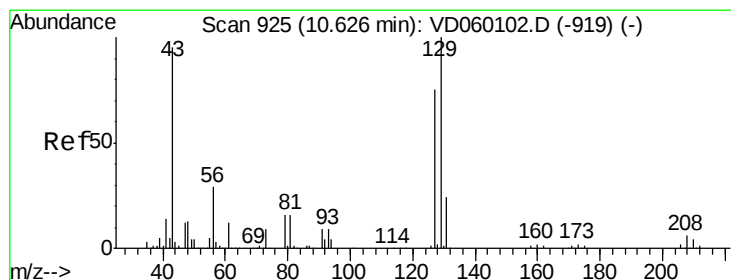
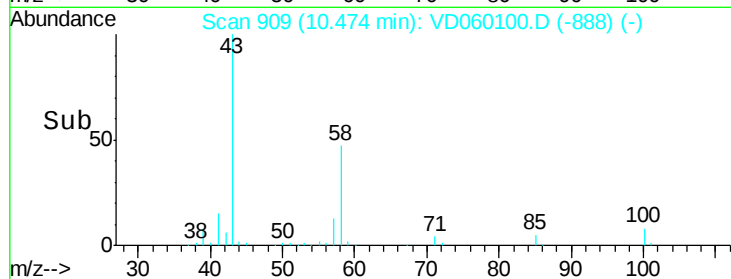
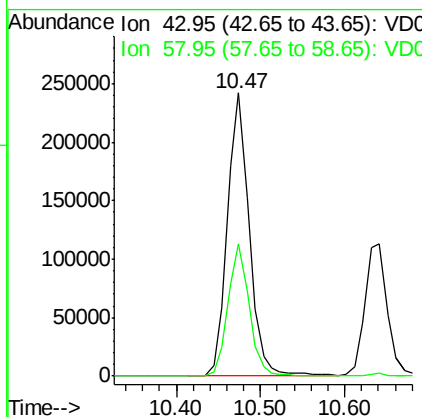
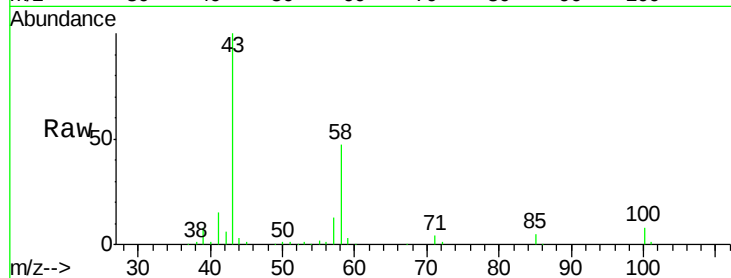




#59
2-Hexanone
Concen: 45.008 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

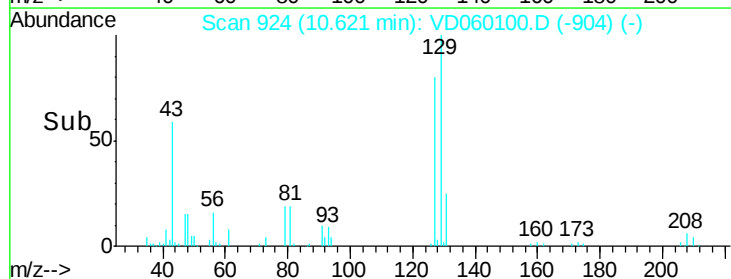
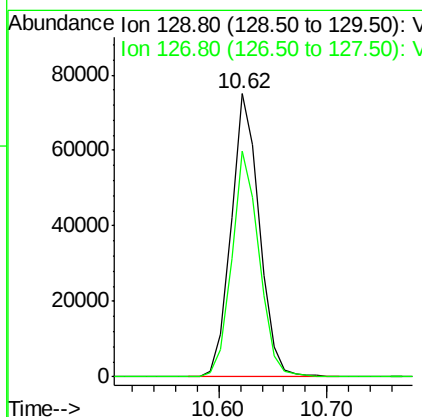
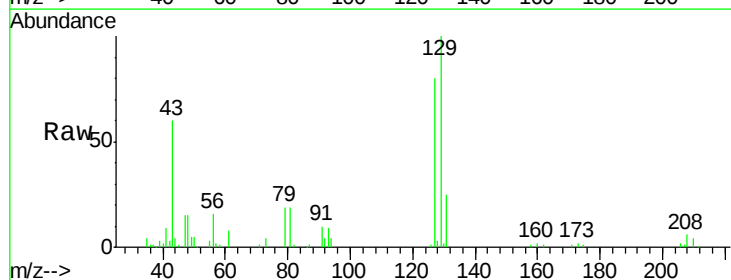
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

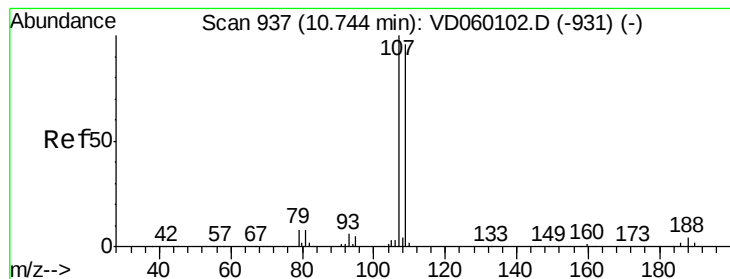
Tgt Ion: 43 Resp: 438202
Ion Ratio Lower Upper
43 100
58 46.7 23.3 69.9



#60
Dibromochloromethane
Concen: 9.152 ug/l
RT: 10.62 min Scan# 924
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 129 Resp: 135585
Ion Ratio Lower Upper
129 100
127 79.7 37.4 112.2





#61

1,2-Dibromoethane

Concen: 9.524 ug/l

RT: 10.74 min Scan# 936

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

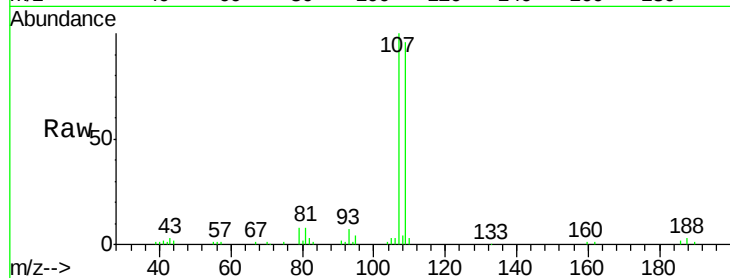
VSTDIC010

Tgt Ion: 107 Resp: 120711

Ion Ratio Lower Upper

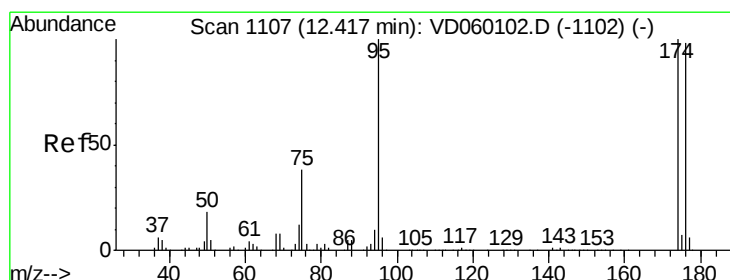
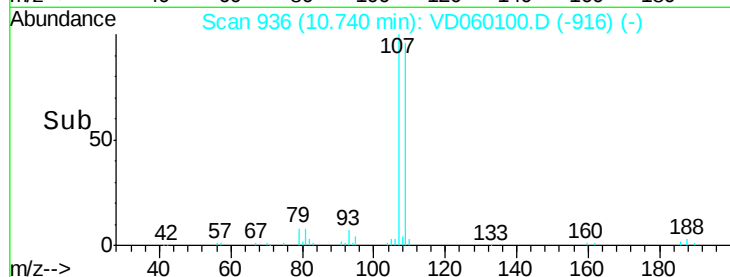
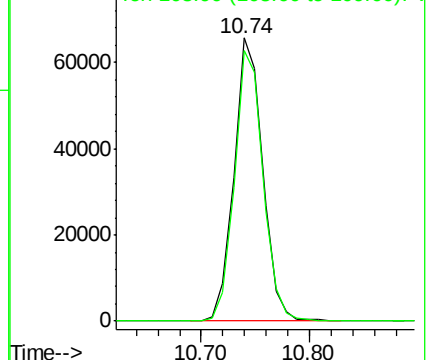
107 100

109 95.7 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 9.524 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

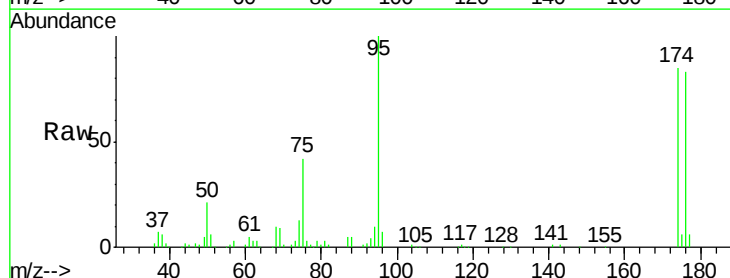
Tgt Ion: 95 Resp: 179910

Ion Ratio Lower Upper

95 100

174 84.5 0.0 200.2

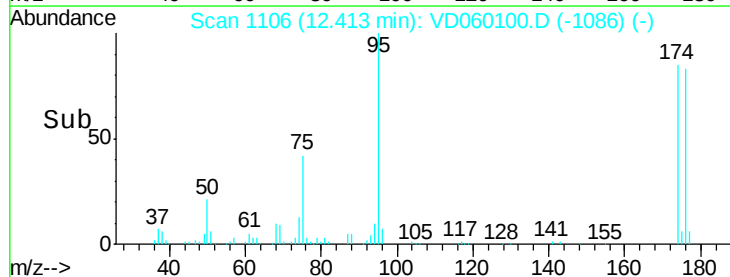
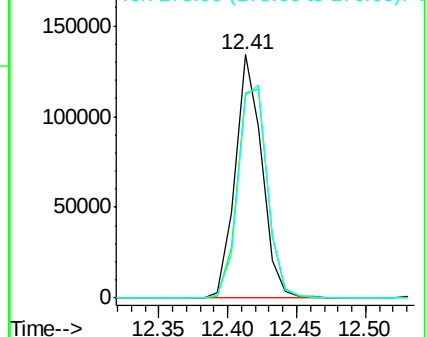
176 83.4 0.0 195.6

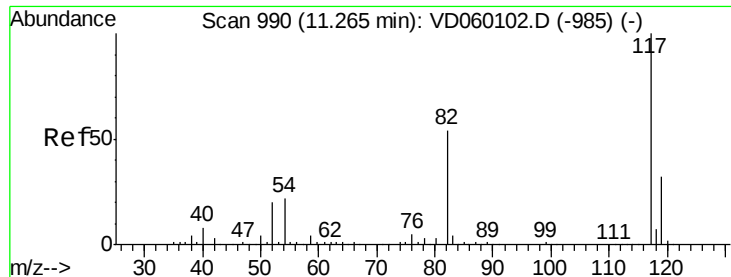


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

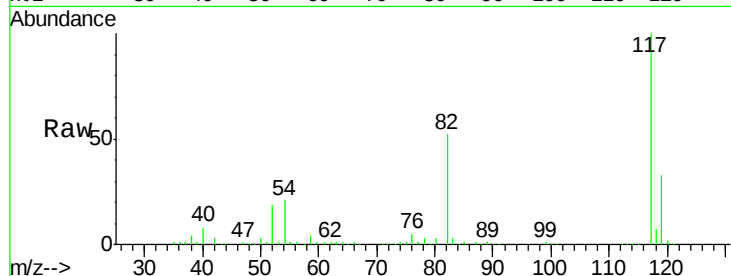




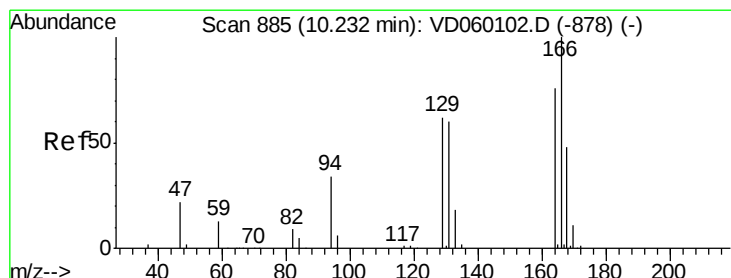
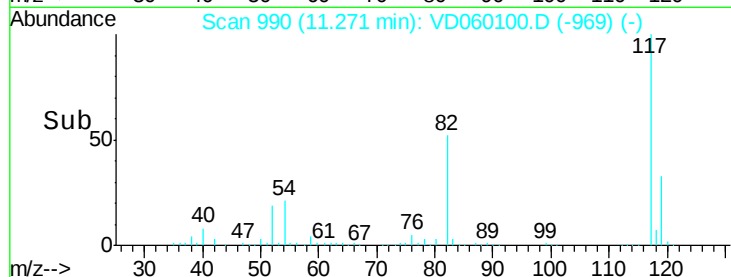
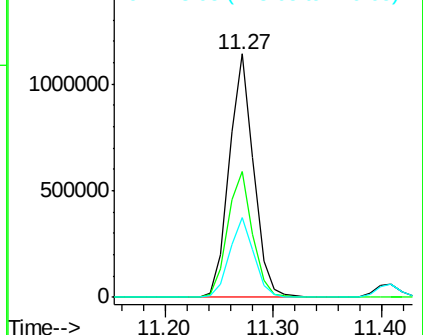
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 1788319
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.2
119 32.8 26.0 39.0

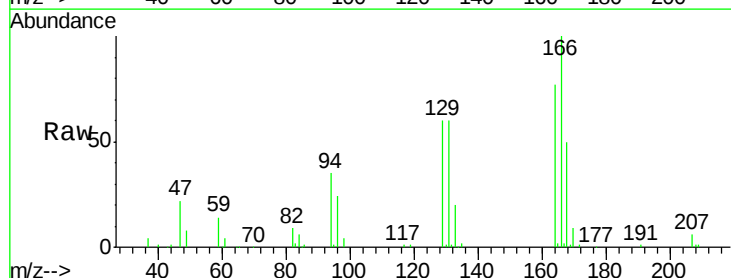


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

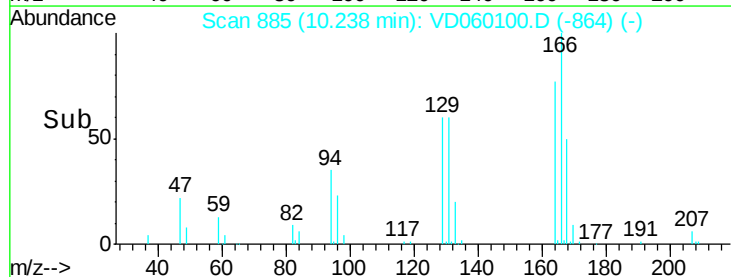
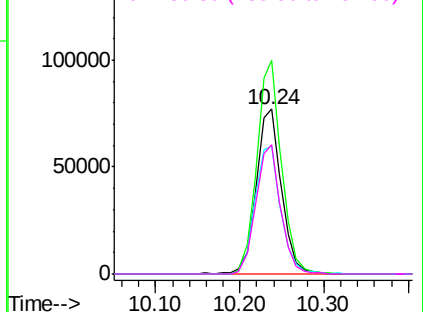


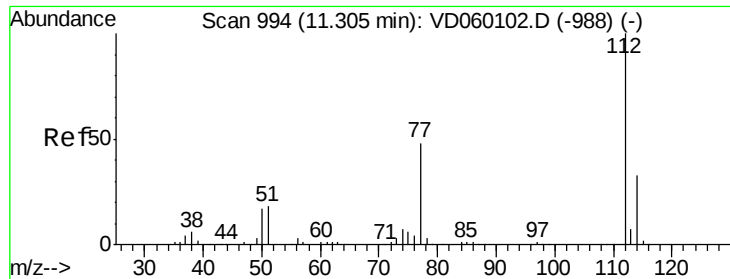
#64
Tetrachloroethene
Concen: 10.432 ug/l
RT: 10.24 min Scan# 885
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion:164 Resp: 162484
Ion Ratio Lower Upper
164 100
166 129.5 105.4 158.0
129 77.7 65.7 98.5
131 78.1 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: 10.682 ug/l

RT: 11.30 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

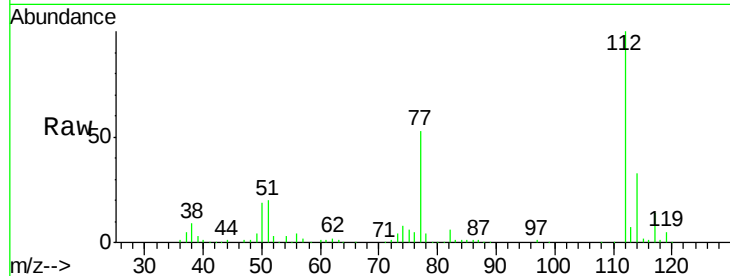
VSTDIC010

Tgt Ion:112 Resp: 406217

Ion Ratio Lower Upper

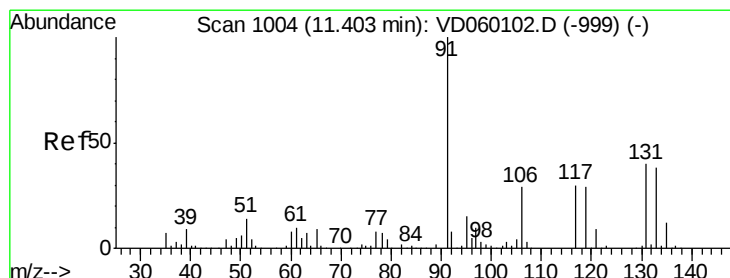
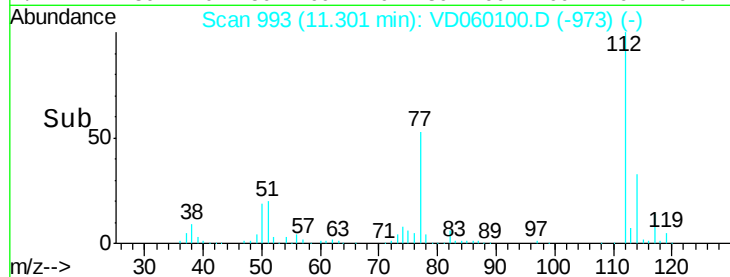
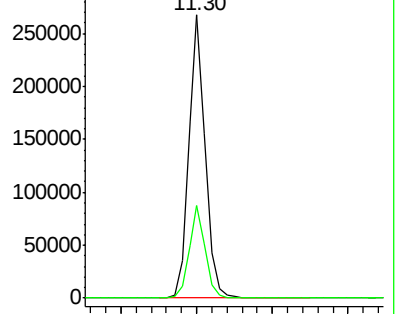
112 100

114 32.6 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: 10.469 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

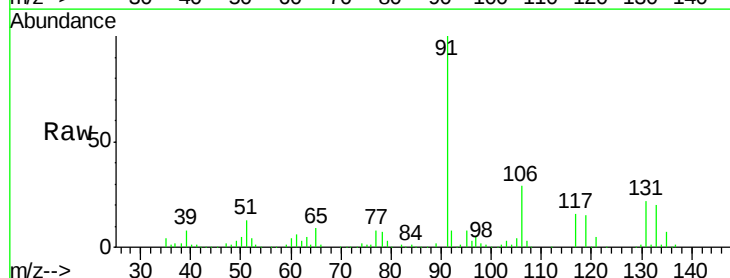
Tgt Ion:131 Resp: 133940

Ion Ratio Lower Upper

131 100

133 94.0 47.4 142.3

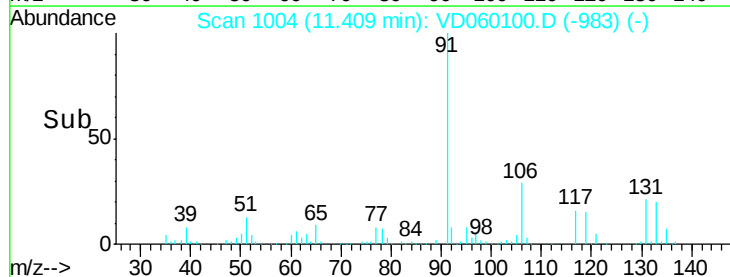
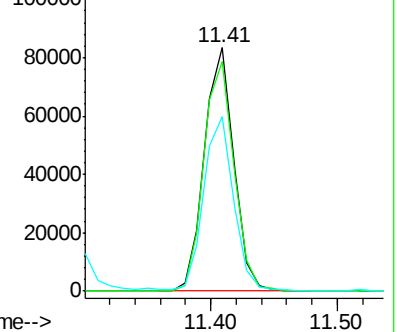
119 71.9 36.1 108.3



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

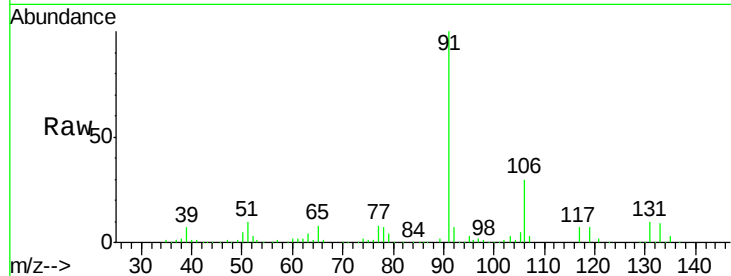




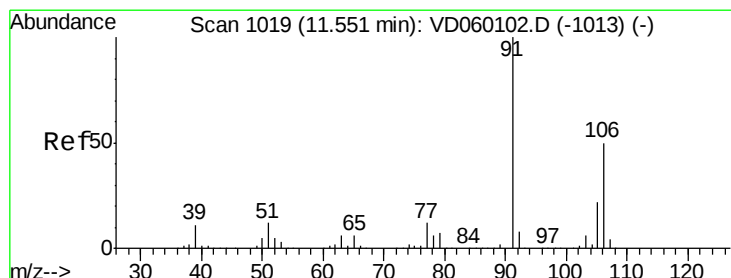
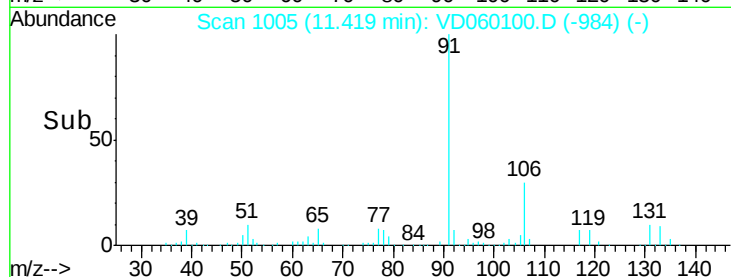
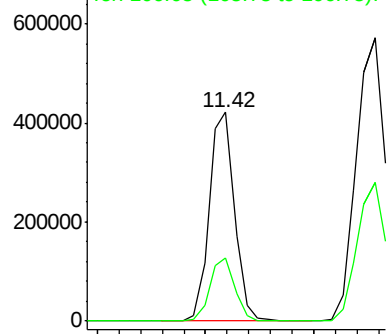
#67
Ethyl Benzene
Concen: 11.178 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 682513
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

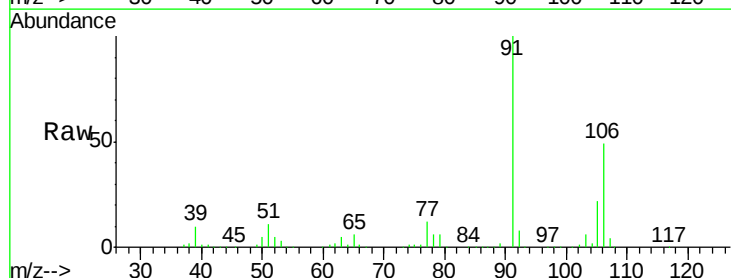


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

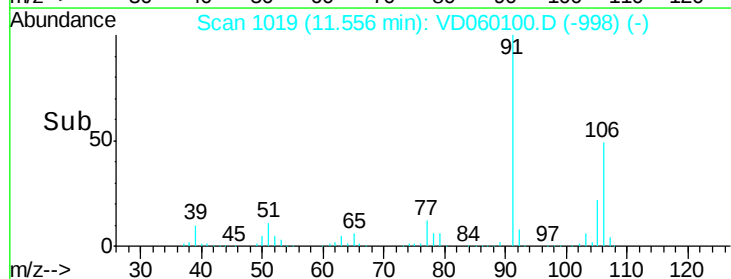
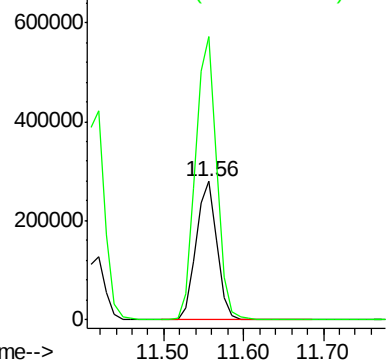


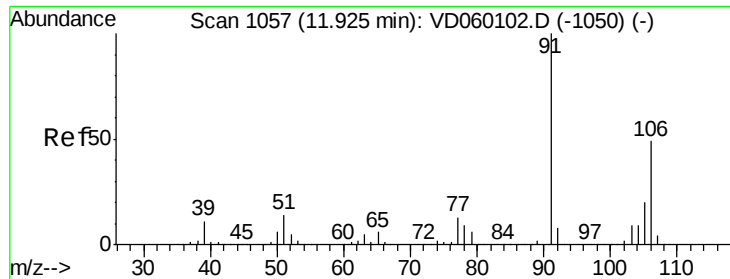
#68
m/p-Xylenes
Concen: 23.096 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 106 Resp: 519383
Ion Ratio Lower Upper
106 100
91 204.5 160.0 240.0



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

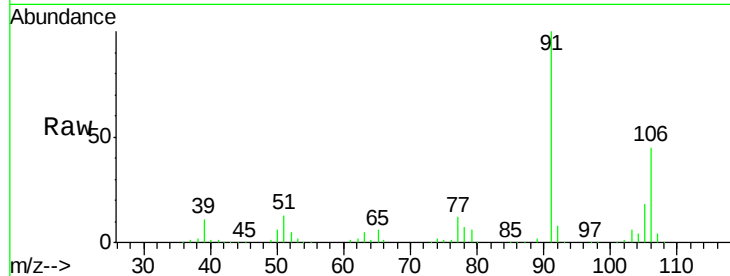




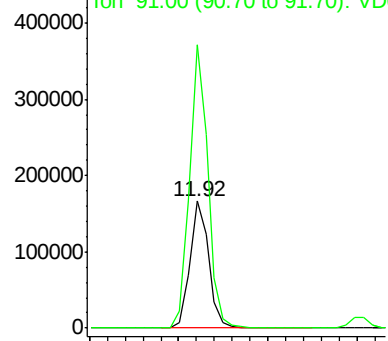
#69
o-Xylene
Concen: 10.873 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

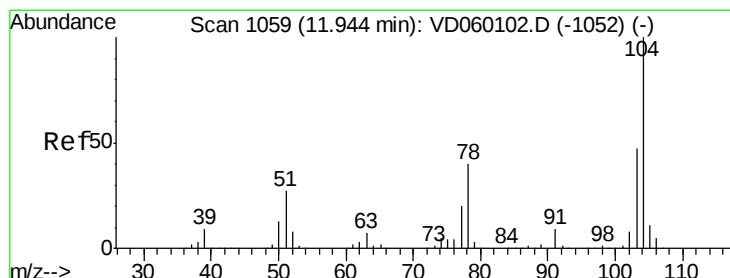
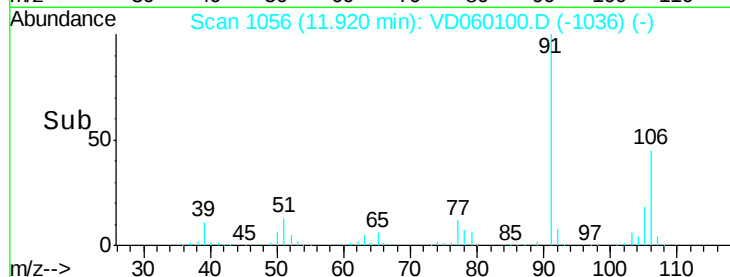
Tgt Ion:106 Resp: 243857
Ion Ratio Lower Upper
106 100
91 222.8 102.5 307.5



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

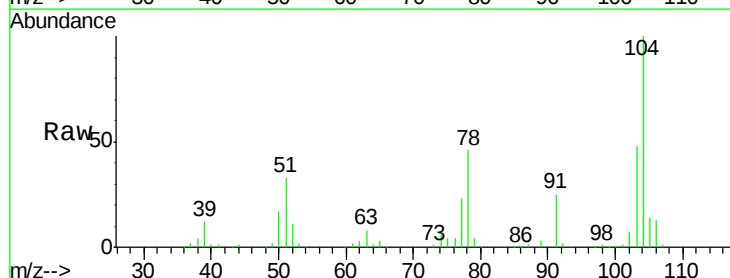


Time--> 11.80 11.90 12.00 12.10

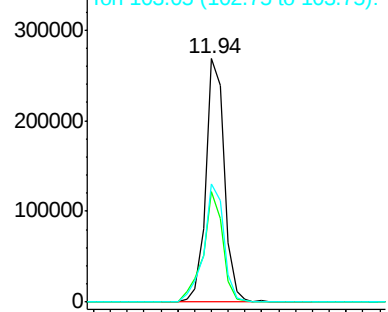


#70
Styrene
Concen: 10.838 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

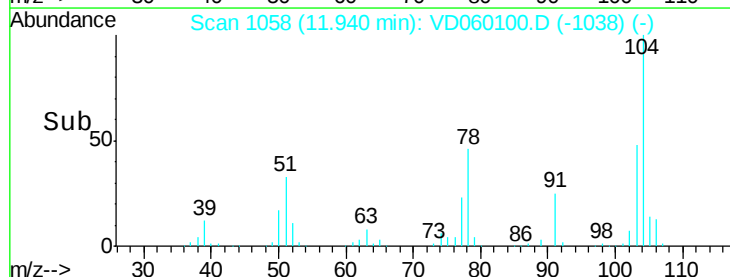
Tgt Ion:104 Resp: 408126
Ion Ratio Lower Upper
104 100
78 45.5 32.2 48.4
103 48.4 37.4 56.0

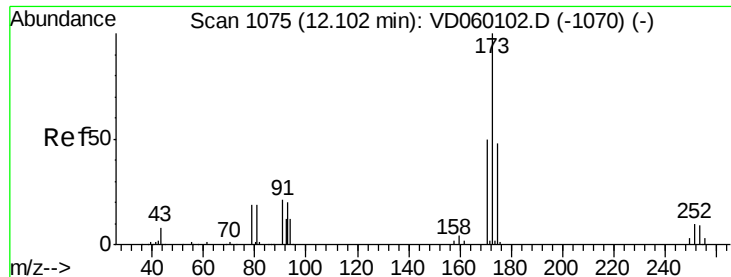


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 11.80 11.90 12.00 12.10





#71

Bromoform

Concen: 8.926 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

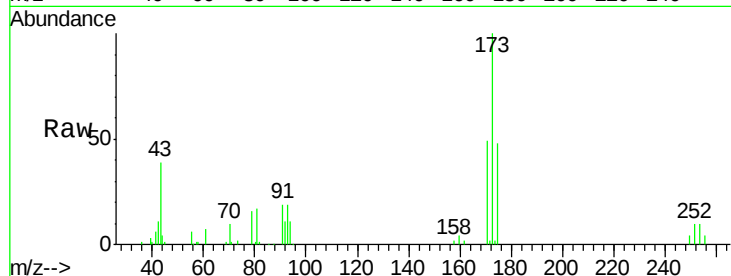
Tgt Ion:173 Resp: 97736

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.4

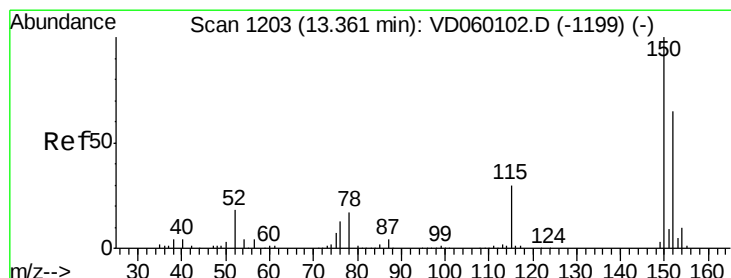
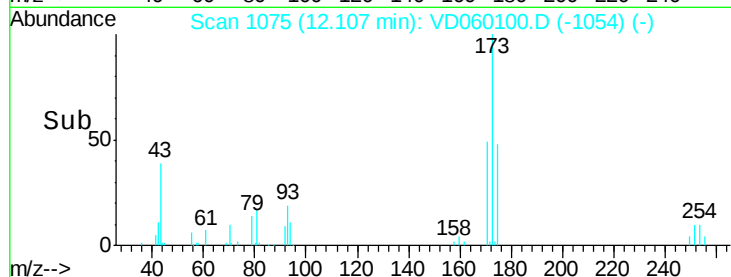
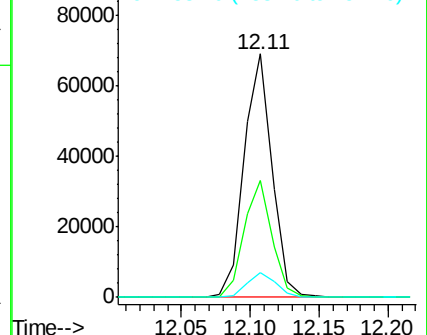
254 10.3 7.4 11.0



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: 13.37 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

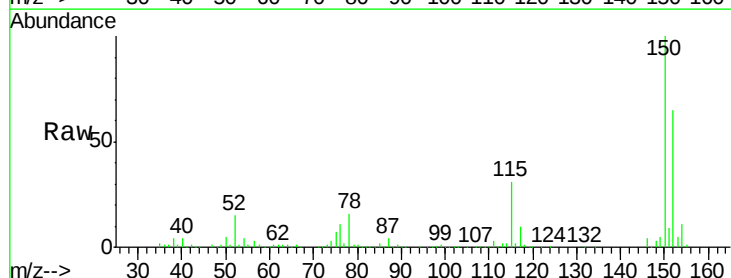
Tgt Ion:152 Resp: 959193

Ion Ratio Lower Upper

152 100

115 47.3 27.1 81.2

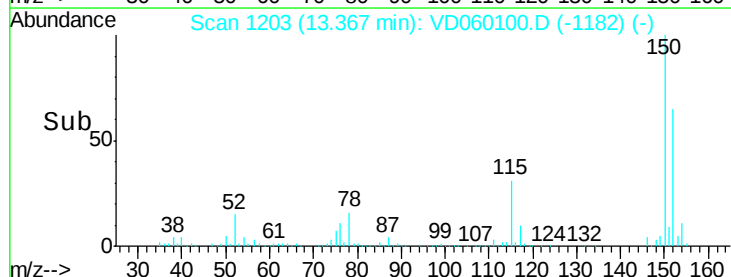
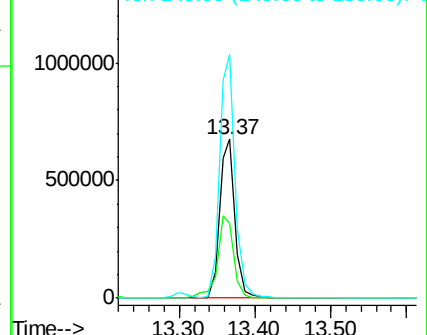
150 153.4 0.0 311.8

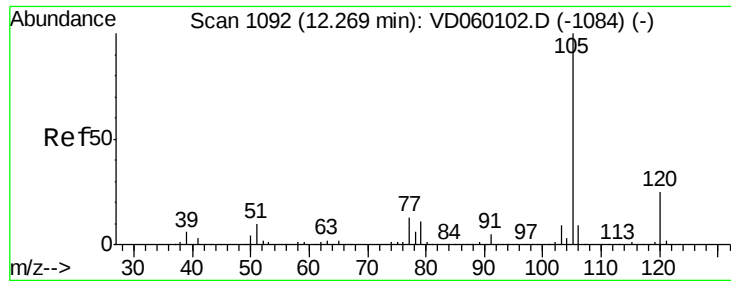


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.579 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

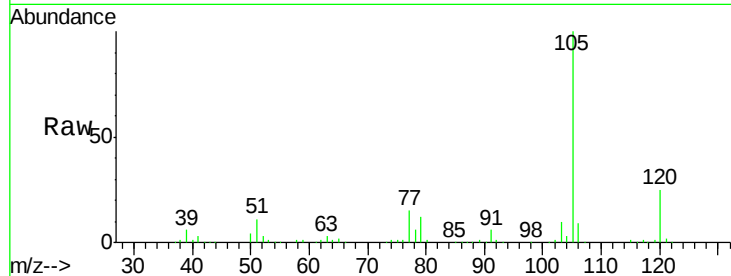
VSTDIC010

Tgt Ion: 105 Resp: 659396

Ion Ratio Lower Upper

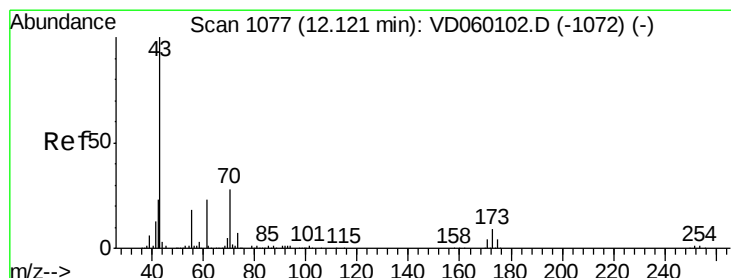
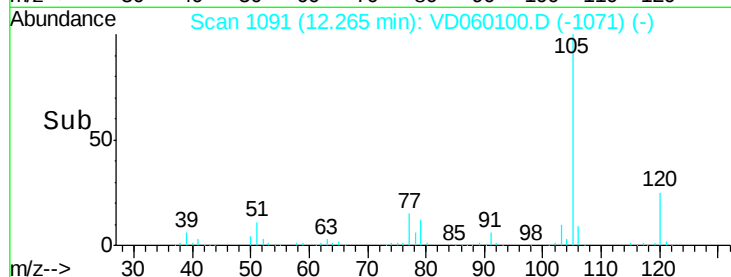
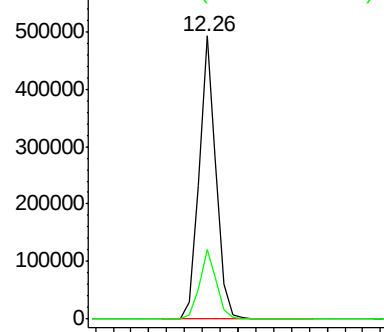
105 100

120 24.8 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.224 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Tgt Ion: 43 Resp: 226270

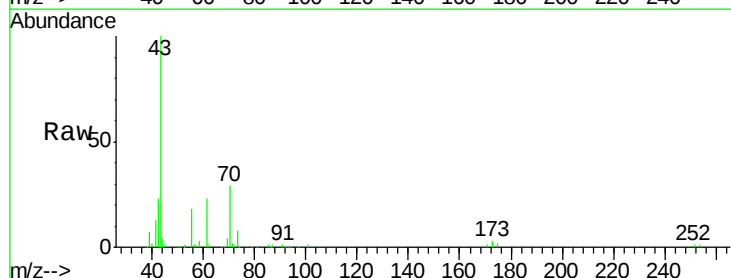
Ion Ratio Lower Upper

43 100

70 28.9 22.1 33.1

55 18.1 14.1 21.1

61 23.0 18.4 27.6

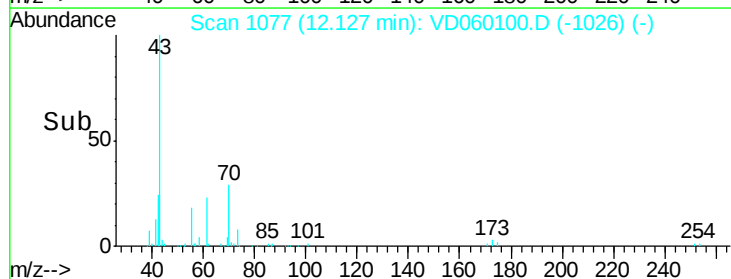
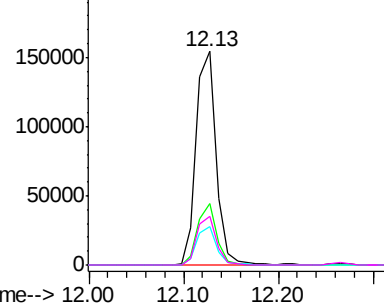


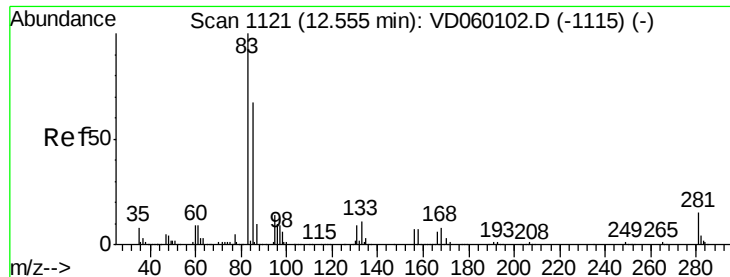
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 9.657 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

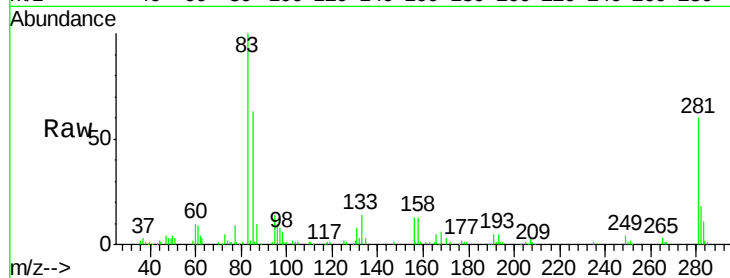
Tgt Ion: 83 Resp: 136426

Ion Ratio Lower Upper

83 100

131 8.4 4.5 13.4

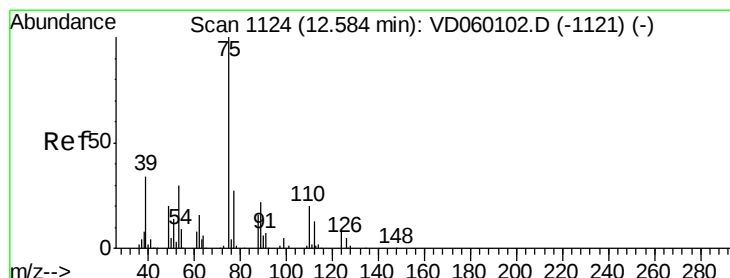
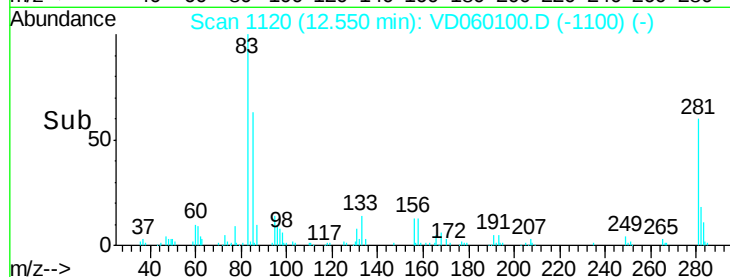
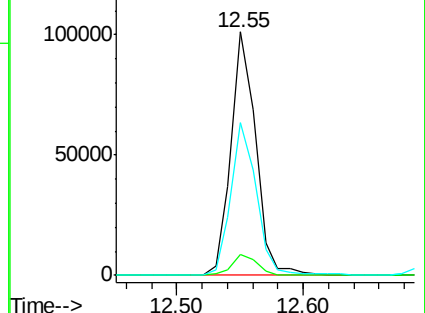
85 62.8 33.3 99.9



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: 9.466 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VD060100.D

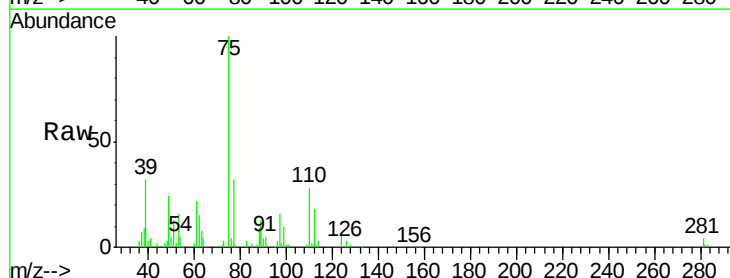
Acq: 1 Oct 2018 16:53

Tgt Ion: 75 Resp: 136472

Ion Ratio Lower Upper

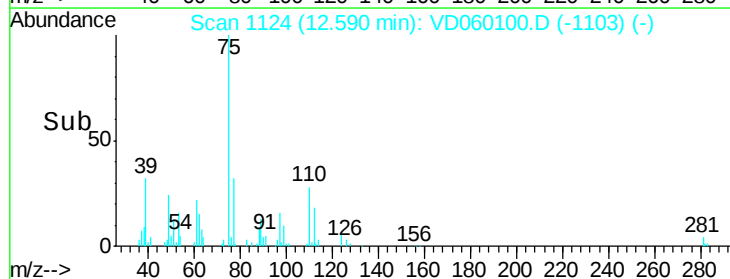
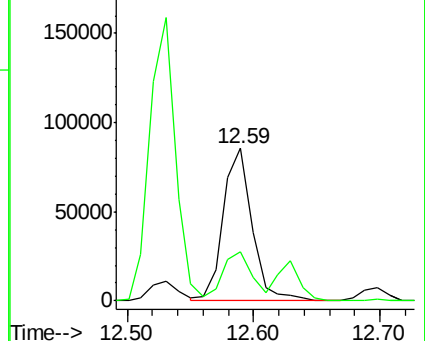
75 100

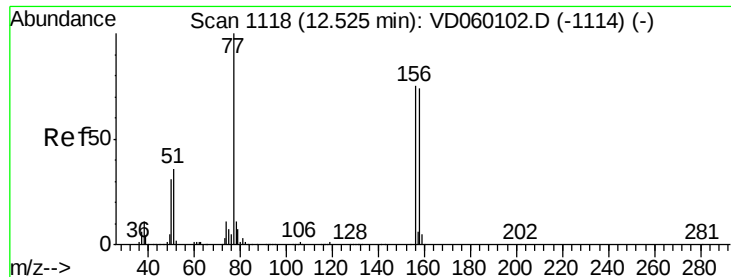
77 32.4 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 10.357 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

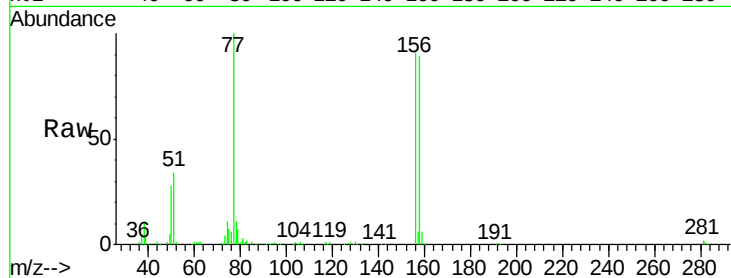
Tgt Ion: 156 Resp: 187035

Ion Ratio Lower Upper

156 100

77 110.2 66.9 200.7

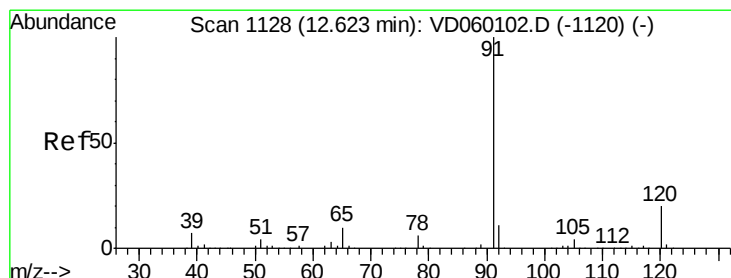
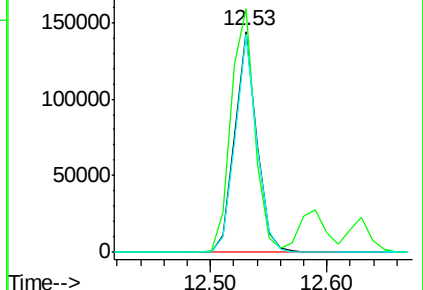
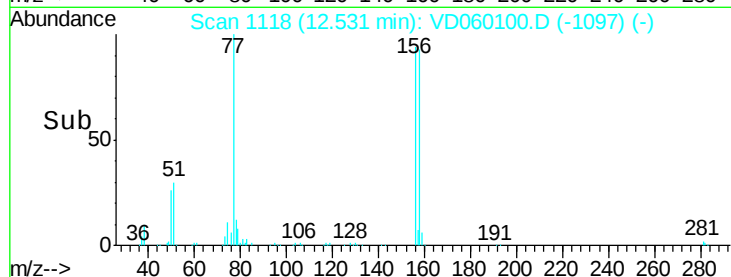
158 98.4 49.1 147.4



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: 10.783 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD060100.D

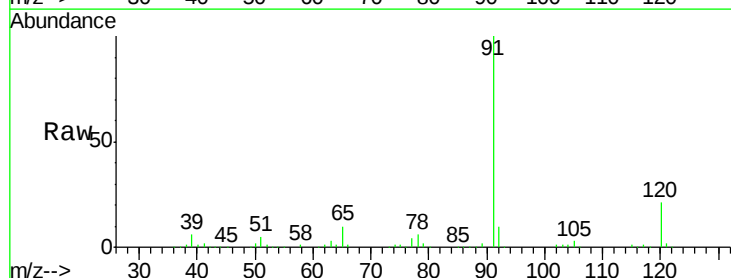
Acq: 1 Oct 2018 16:53

Tgt Ion: 91 Resp: 842567

Ion Ratio Lower Upper

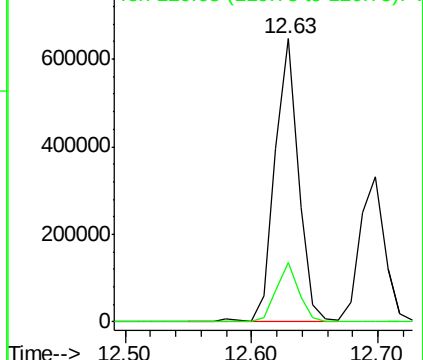
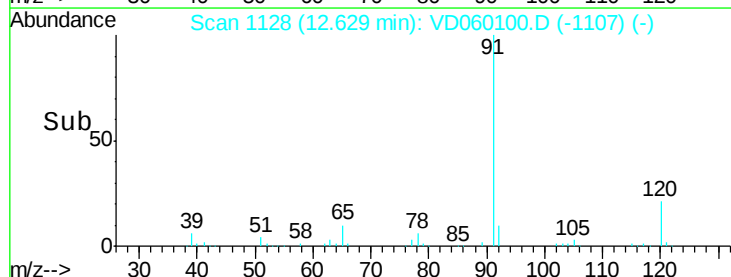
91 100

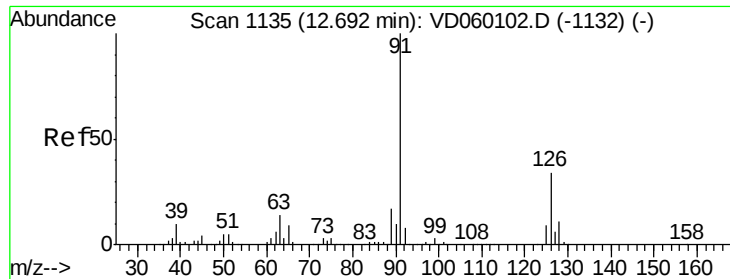
120 20.8 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

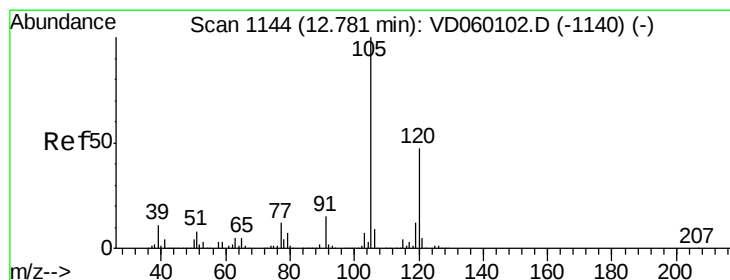
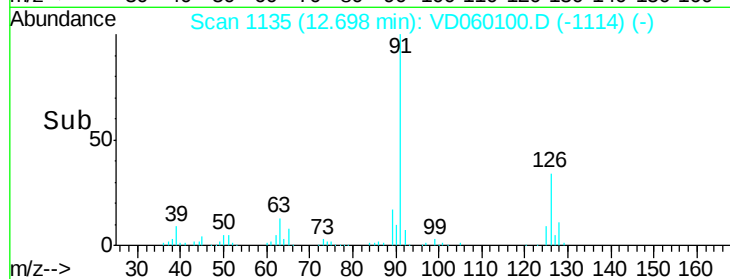
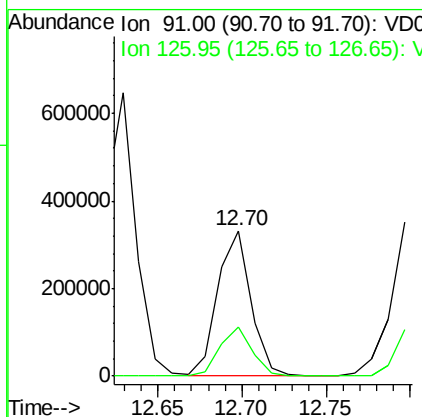
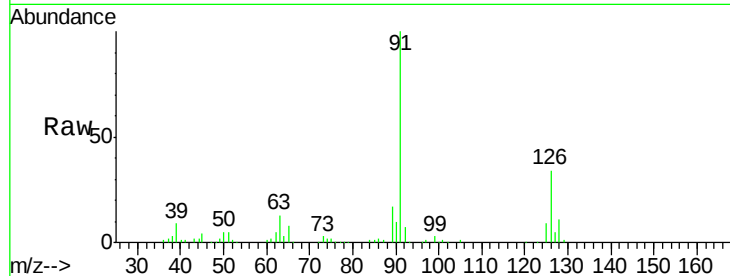




#79
 2-Chlorotoluene
 Concen: 10.300 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

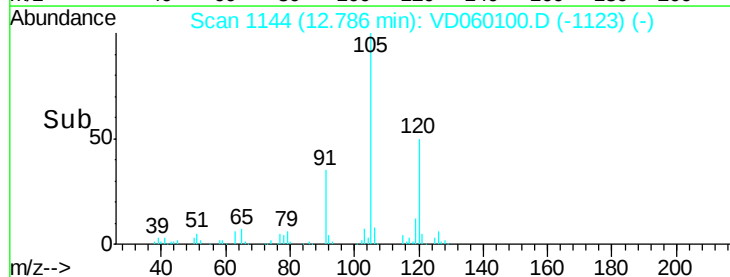
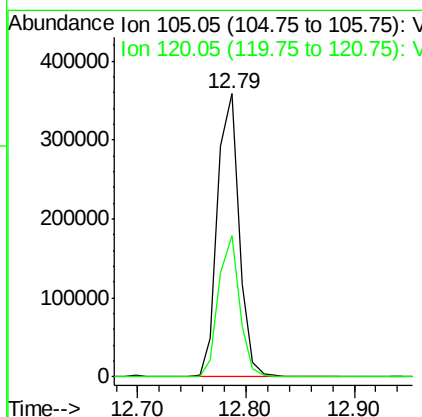
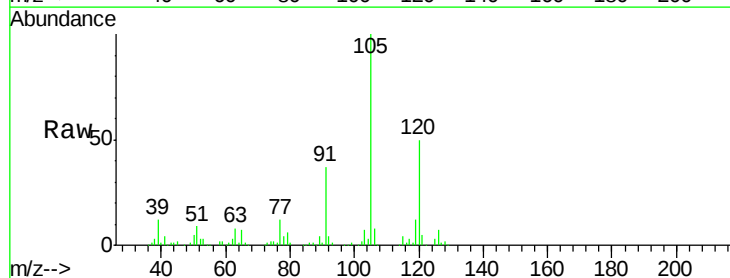
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 91 Resp: 453428
 Ion Ratio Lower Upper
 91 100
 126 34.1 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 10.472 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion: 105 Resp: 500032
 Ion Ratio Lower Upper
 105 100
 120 49.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 7.974 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VD060100.D

Acq: 1 Oct 2018 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

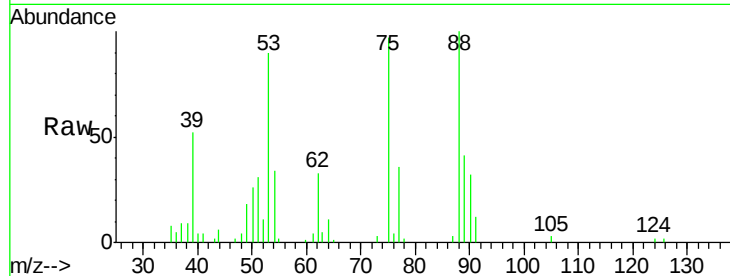
Tgt Ion: 75 Resp: 34639

Ion Ratio Lower Upper

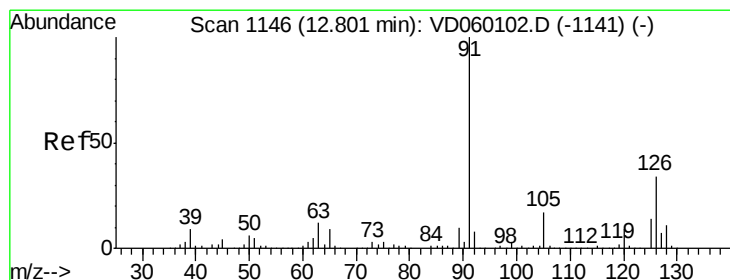
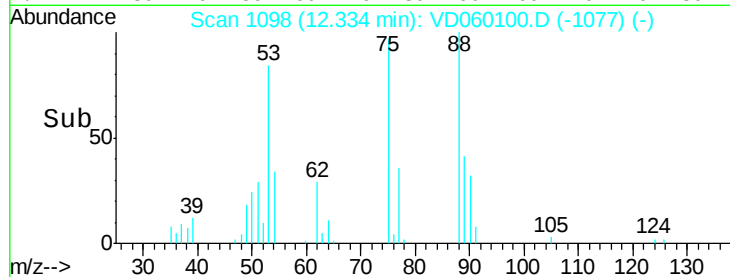
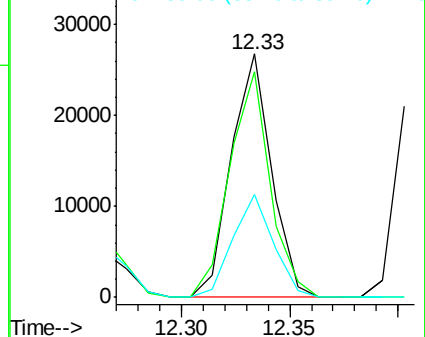
75 100

53 92.7 73.0 109.6

89 42.0 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: 10.696 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060100.D

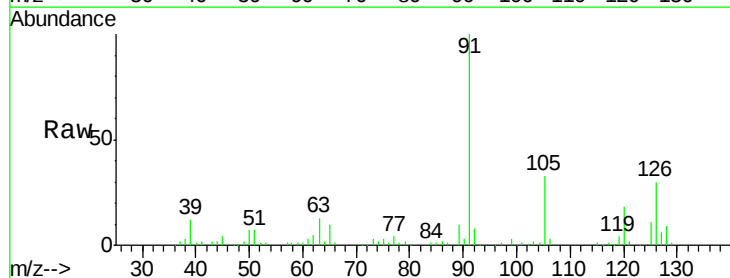
Acq: 1 Oct 2018 16:53

Tgt Ion: 91 Resp: 517757

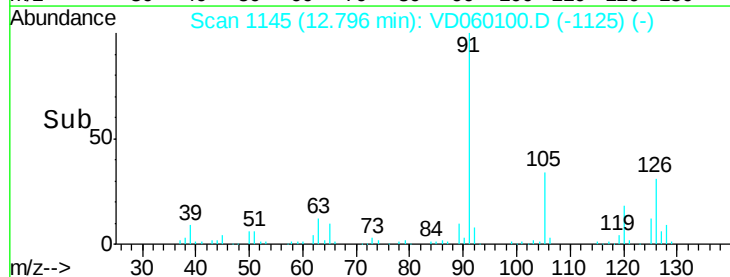
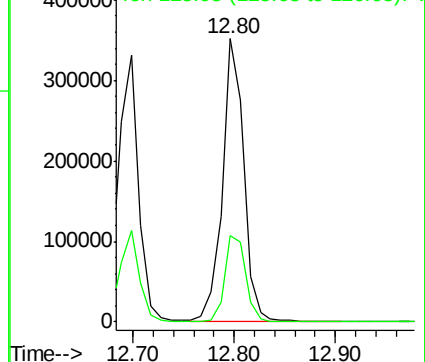
Ion Ratio Lower Upper

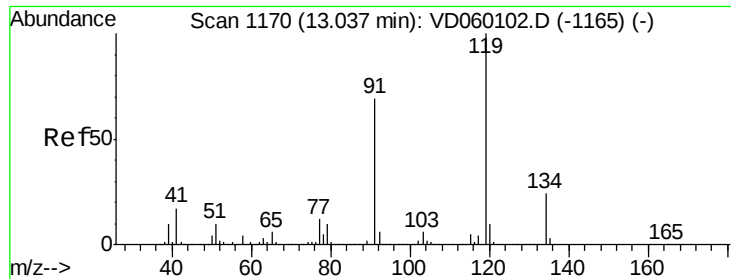
91 100

126 30.5 17.1 51.2



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

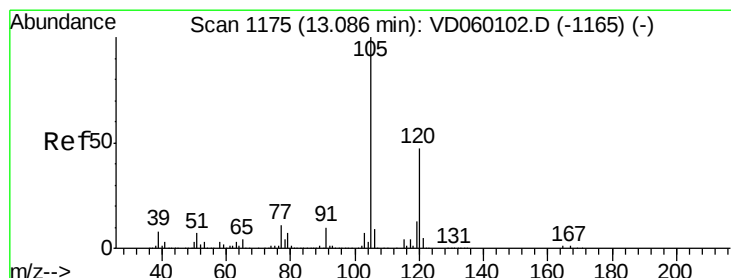
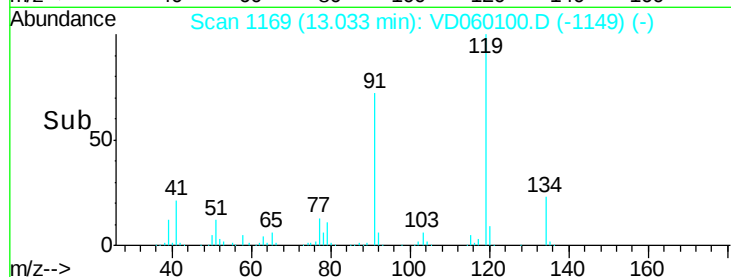
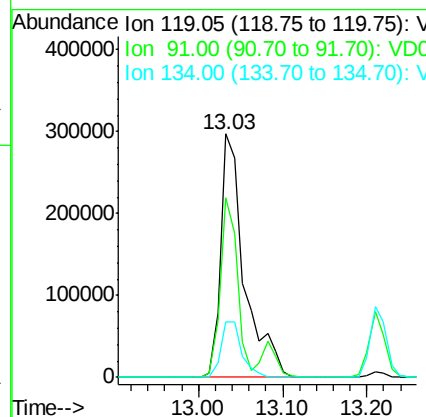
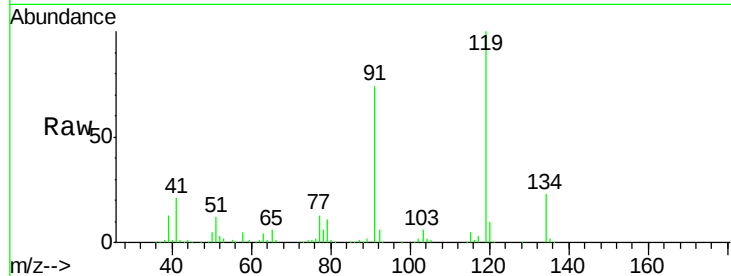




#83
 tert-Butylbenzene
 Concen: 10.505 ug/l
 RT: 13.03 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

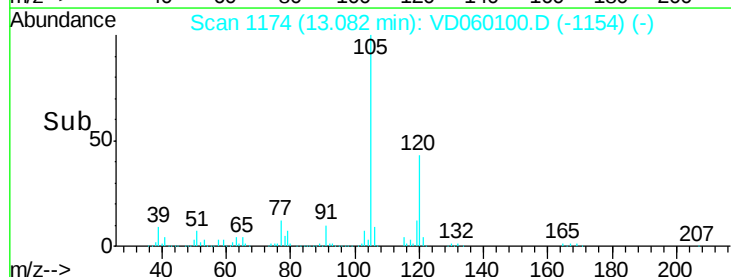
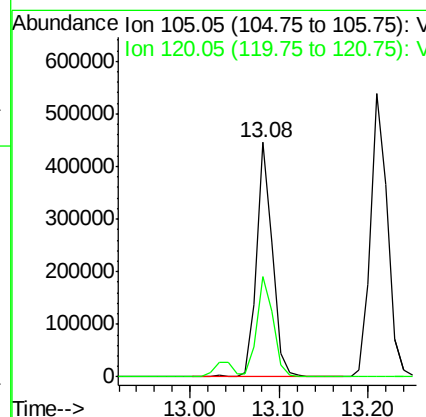
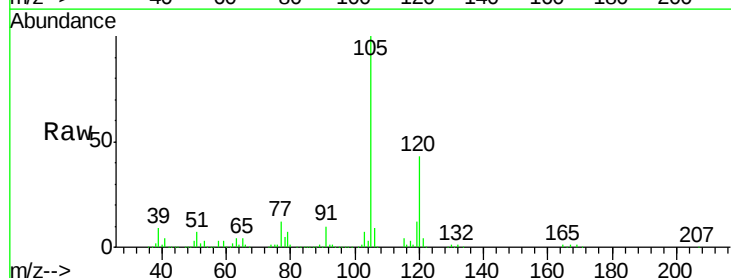
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

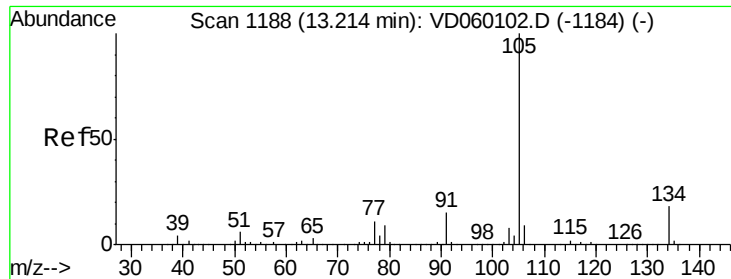
Tgt Ion:119 Resp: 582378
 Ion Ratio Lower Upper
 119 100
 91 73.7 34.8 104.4
 134 22.7 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 10.557 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion:105 Resp: 539574
 Ion Ratio Lower Upper
 105 100
 120 42.6 23.4 70.0

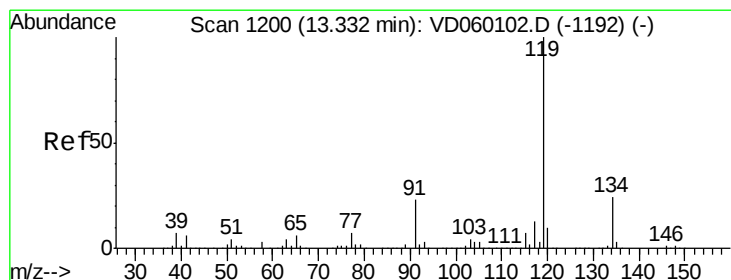
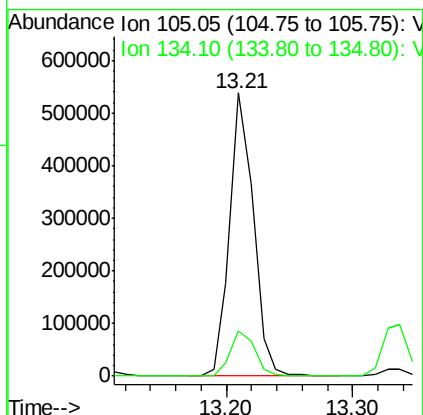
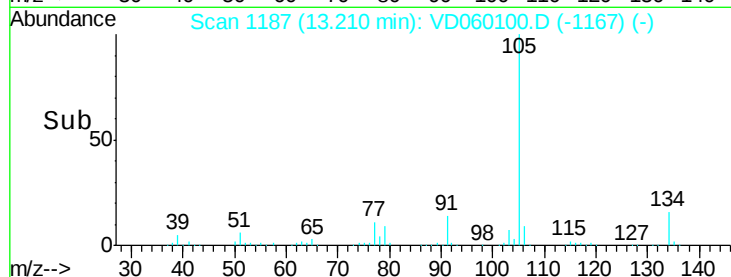
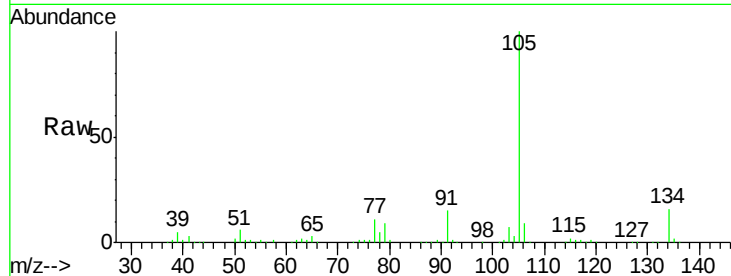




#85
 sec-Butylbenzene
 Concen: 10.681 ug/l
 RT: 13.21 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

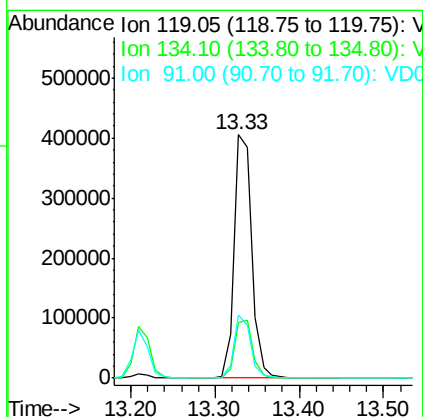
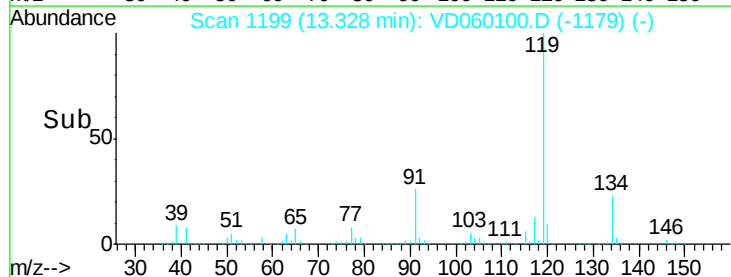
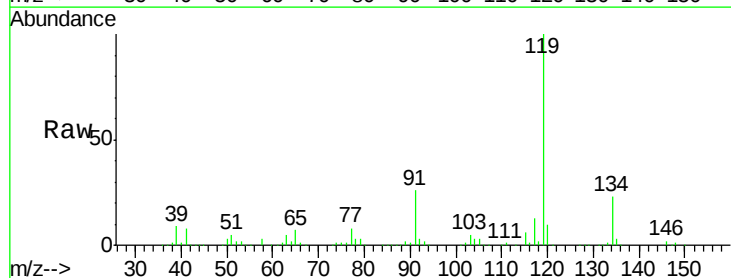
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

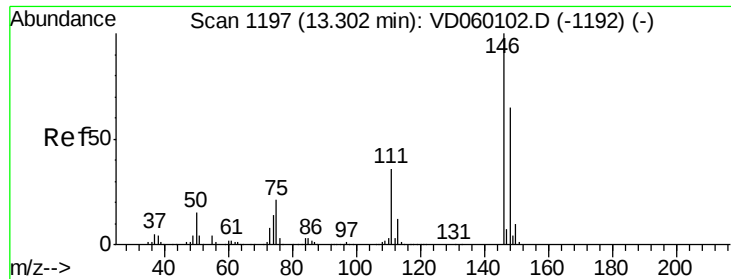
Tgt Ion:105 Resp: 698718
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 11.146 ug/l
 RT: 13.33 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion:119 Resp: 590126
 Ion Ratio Lower Upper
 119 100
 134 22.6 12.3 36.8
 91 26.1 11.8 35.4

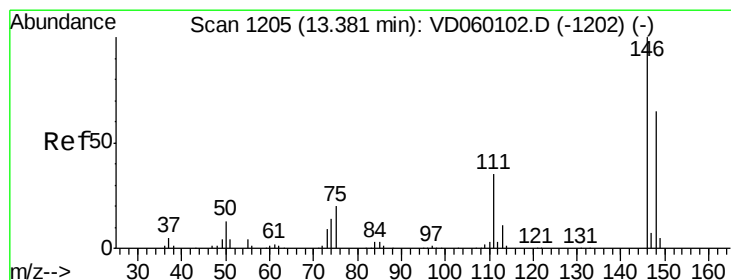
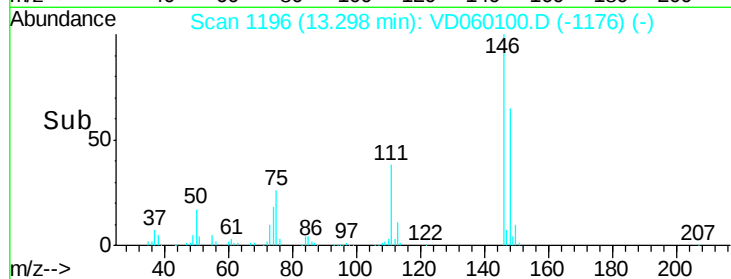
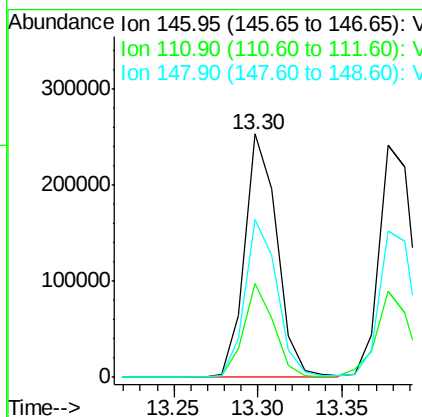
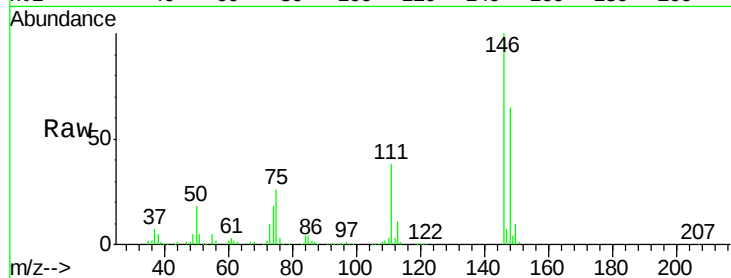




#87
 1,3-Dichlorobenzene
 Concen: 10.761 ug/l
 RT: 13.30 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

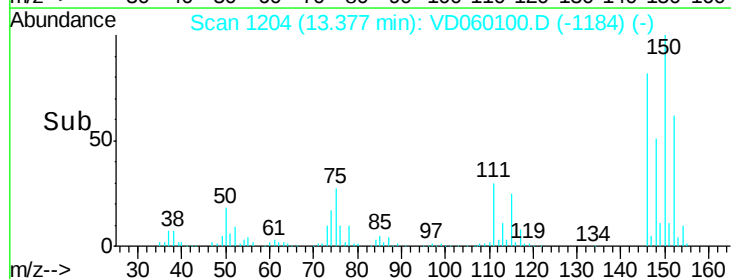
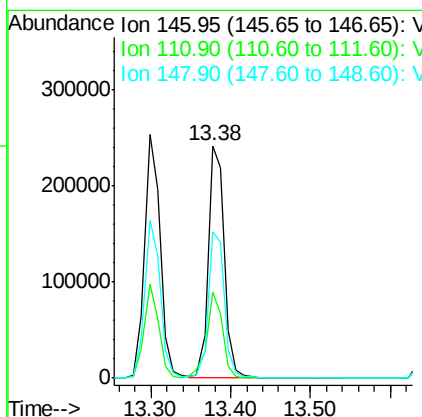
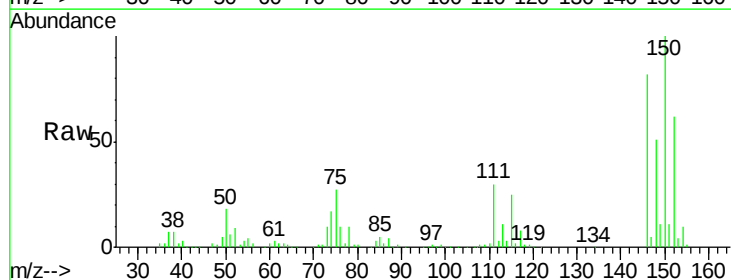
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

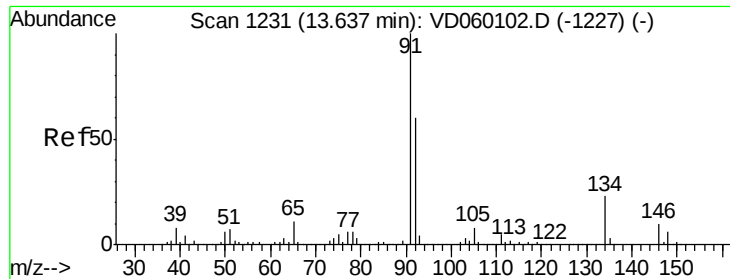
Tgt Ion:146 Resp: 337297
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.1 54.3
 148 64.6 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 10.699 ug/l
 RT: 13.38 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion:146 Resp: 339871
 Ion Ratio Lower Upper
 146 100
 111 37.0 17.8 53.3
 148 63.1 32.4 97.2

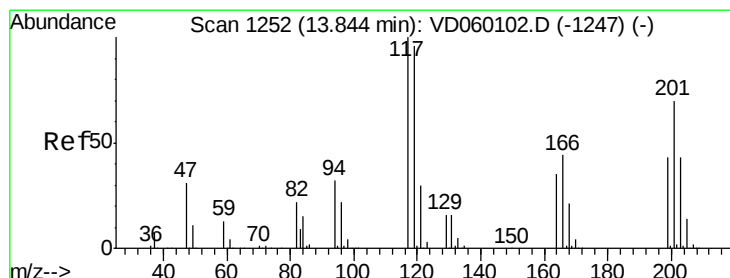
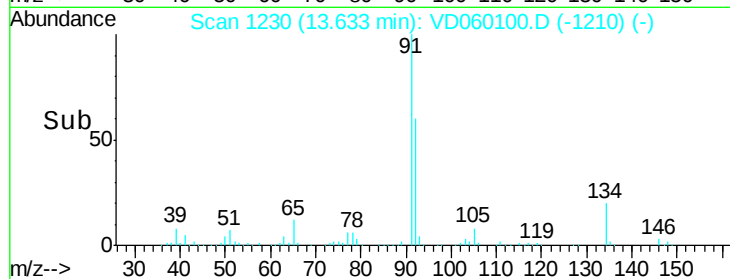
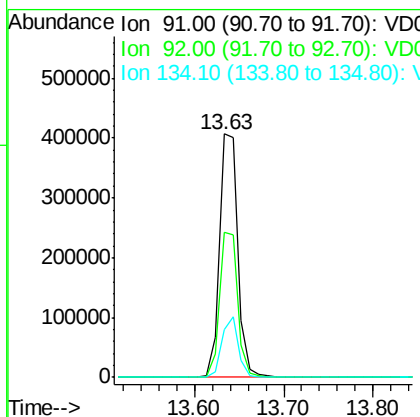
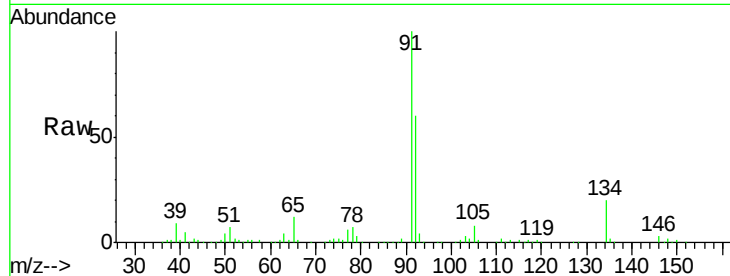




#89
n-Butylbenzene
Concen: 11.459 ug/l
RT: 13.63 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

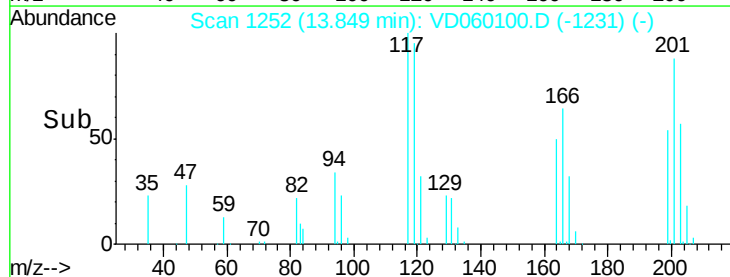
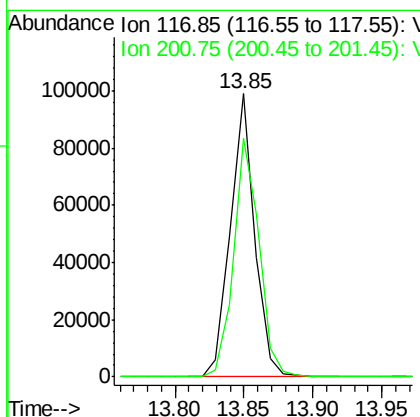
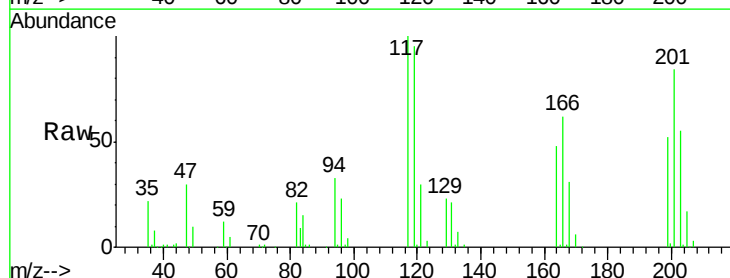
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

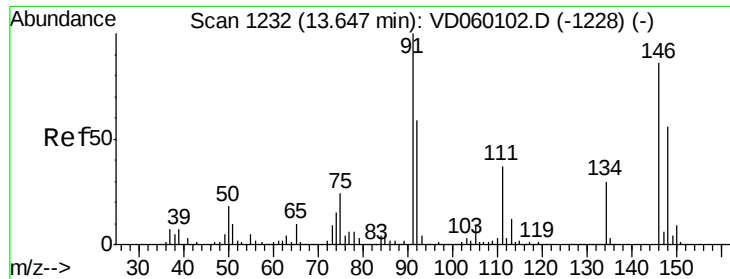
Tgt Ion: 91 Resp: 590985
Ion Ratio Lower Upper
91 100
92 59.6 30.1 90.3
134 19.6 11.6 34.7



#90
Hexachloroethane
Concen: 9.206 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion: 117 Resp: 120534
Ion Ratio Lower Upper
117 100
201 84.2 34.8 104.5

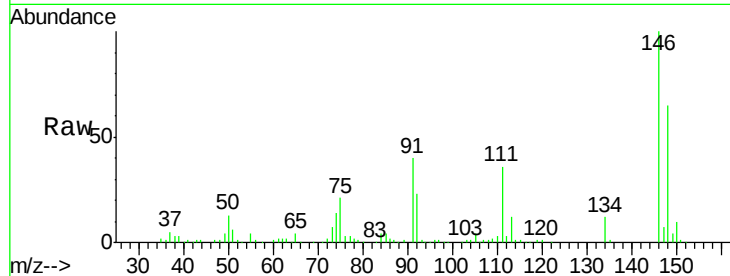




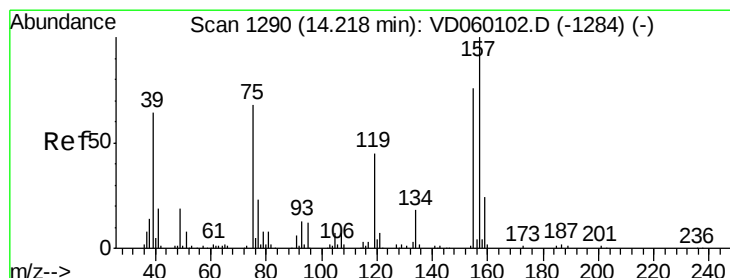
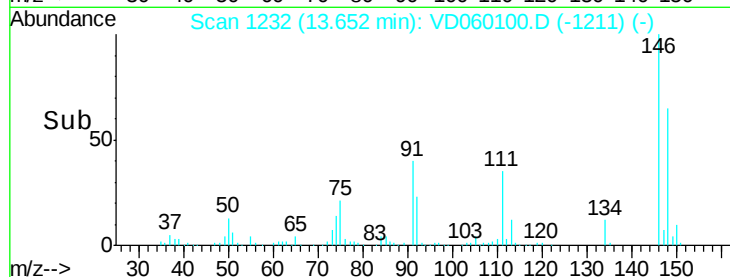
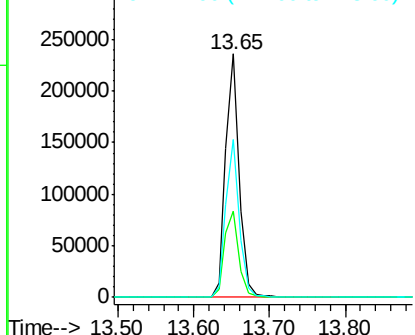
#91
 1,2-Dichlorobenzene
 Concen: 11.448 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:146 Resp: 296133
 Ion Ratio Lower Upper
 146 100
 111 35.5 21.4 64.3
 148 64.8 32.2 96.6

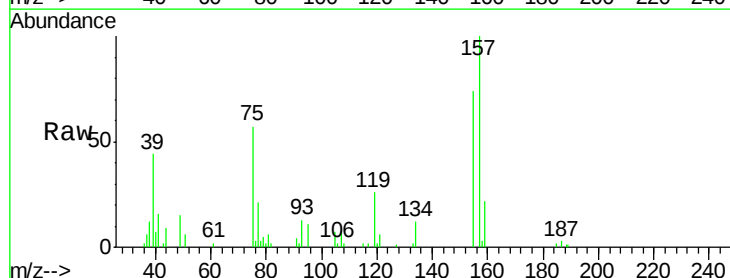


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

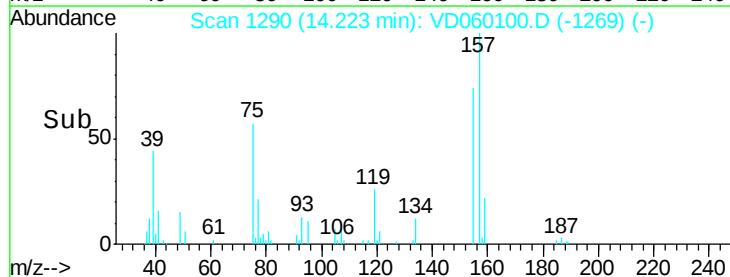
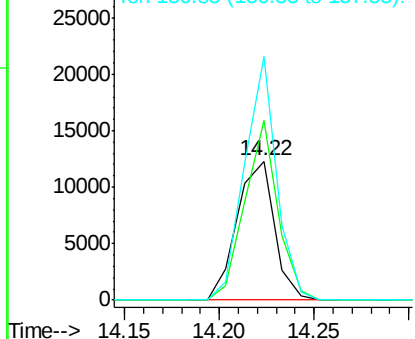


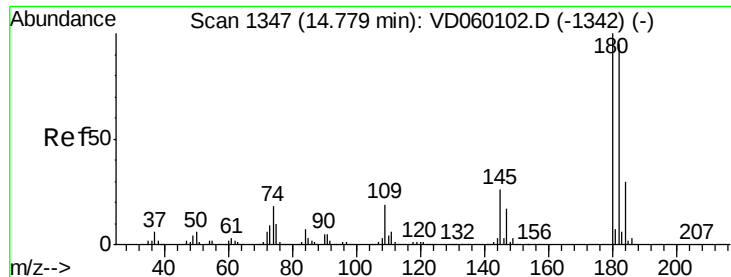
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.791 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion: 75 Resp: 16813
 Ion Ratio Lower Upper
 75 100
 155 129.1 55.9 167.7
 157 175.6 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

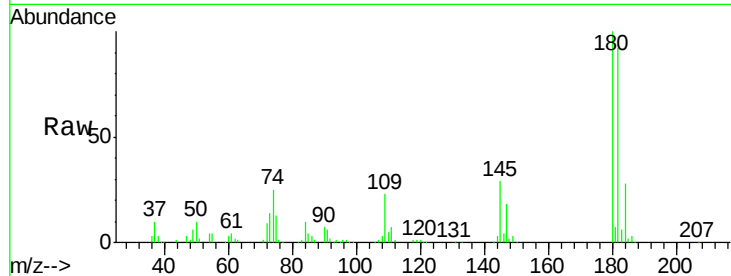




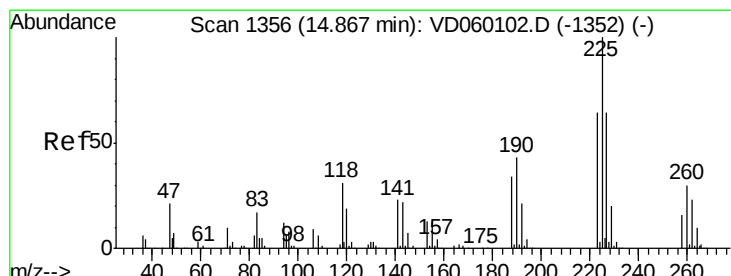
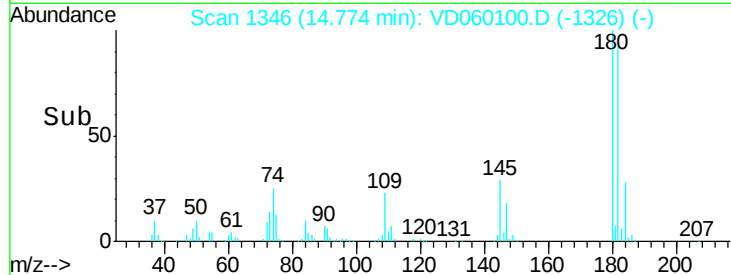
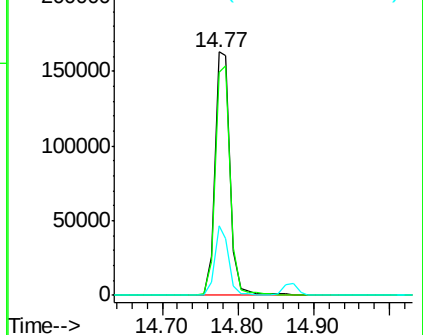
#93
 1,2,4-Trichlorobenzene
 Concen: 10.462 ug/l
 RT: 14.77 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 233696
 Ion Ratio Lower Upper
 180 100
 182 91.7 47.3 141.8
 145 28.6 13.0 38.9

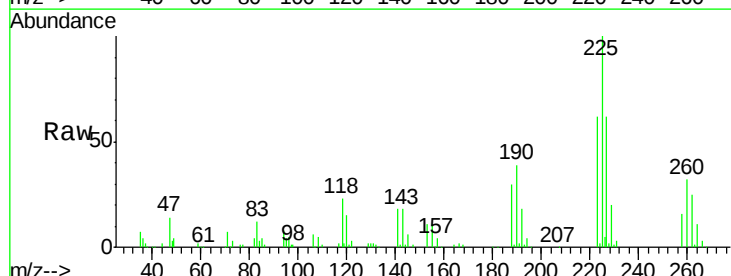


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

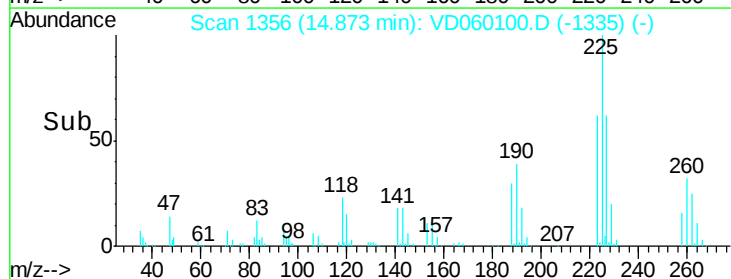
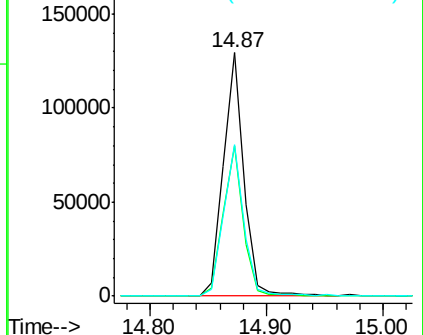


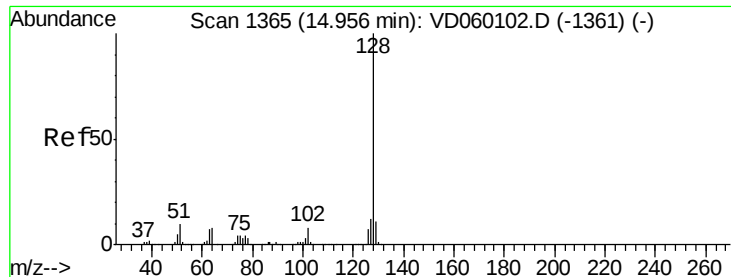
#94
 Hexachlorobutadiene
 Concen: 10.645 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.01 min
 Lab File: VD060100.D
 Acq: 1 Oct 2018 16:53

Tgt Ion:225 Resp: 157549
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.4
 227 62.0 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

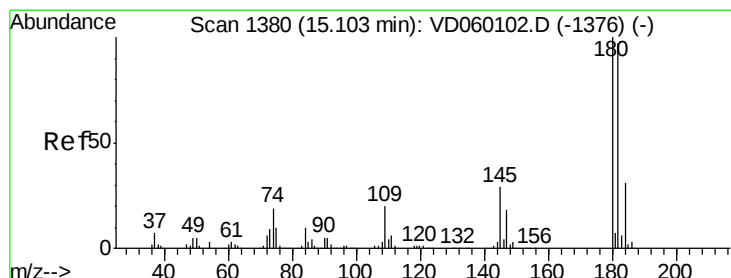
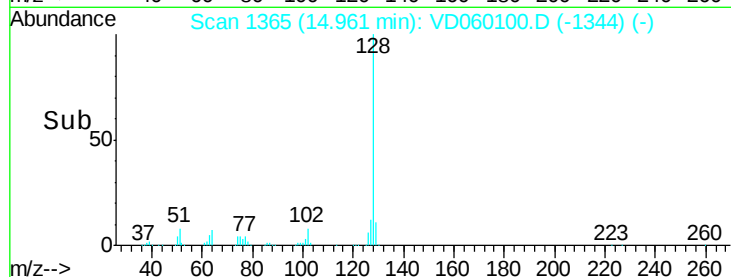
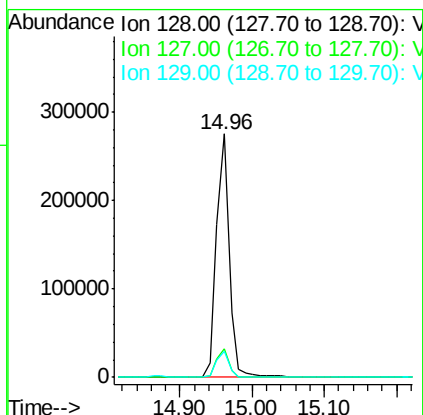
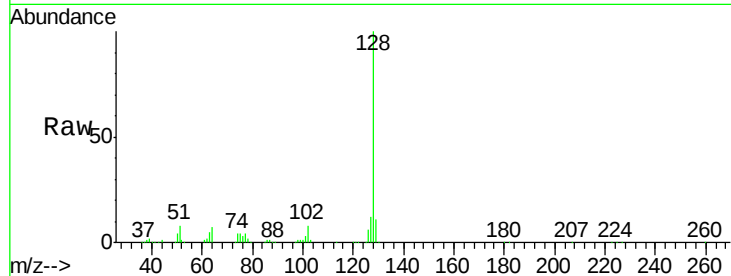




#95
Naphthalene
Concen: 9.754 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 336009
Ion Ratio Lower Upper
128 100
127 11.8 9.9 14.9
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 10.209 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD060100.D
Acq: 1 Oct 2018 16:53

Tgt Ion:180 Resp: 199727
Ion Ratio Lower Upper
180 100
182 98.1 48.4 145.0
145 24.3 14.5 43.6

