

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060177.D
 Acq On : 24 Oct 2018 13:01
 Operator : JC/SY
 Sample : VD1024SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Quant Time: Oct 25 03:33:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1724634	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2399705	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1980944	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1005971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	632320	48.37	ug/l	0.03
Spiked Amount			Recovery	=	96.74%	
35) Dibromofluoromethane	6.32	113	890013	48.84	ug/l	0.03
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	9.45	98	2414381	46.46	ug/l	0.02
Spiked Amount			Recovery	=	92.92%	
62) 4-Bromofluorobenzene	12.43	95	915542	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	304196	18.751	ug/l	99
3) Chloromethane	1.76	50	325463	22.248	ug/l	100
4) Vinyl Chloride	1.86	62	258767	21.615	ug/l	97
5) Bromomethane	2.14	94	25053	16.666	ug/l	95
6) Chloroethane	2.24	64	55193	16.894	ug/l	97
7) Trichlorofluoromethane	2.51	101	298261	20.807	ug/l	99
8) Diethyl Ether	2.83	74	69489	23.574	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.09	101	206803	23.158	ug/l	98
10) Methyl Iodide	3.24	142	188227	19.876	ug/l	98
11) Tert butyl alcohol	3.97	59	89918	95.905	ug/l	98
12) 1,1-Dichloroethene	3.07	96	165000	23.453	ug/l	96
13) Acrolein	2.99	56	48157	83.321	ug/l	96
14) Allyl chloride	3.54	41	331582	22.693	ug/l	97
15) Acrylonitrile	4.09	53	418160	107.753	ug/l	97
16) Acetone	3.17	43	306324	129.134	ug/l	100
17) Carbon Disulfide	3.31	76	511252	21.610	ug/l	100
18) Methyl Acetate	3.56	43	120296	23.594	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	667532	21.581	ug/l	99
20) Methylene Chloride	3.72	84	498219	24.489	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	372883	20.522	ug/l	98
22) Diisopropyl ether	4.86	45	1390085	21.303	ug/l	95
23) Vinyl Acetate	4.80	43	4052969	110.496	ug/l	99
24) 1,1-Dichloroethane	4.76	63	624795	21.117	ug/l	99
25) 2-Butanone	5.62	43	691940	116.760	ug/l	96
26) 2,2-Dichloropropane	5.59	77	512992	22.871	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	405414	21.060	ug/l	94
28) Bromochloromethane	5.92	49	314331	21.863	ug/l	97
29) Tetrahydrofuran	5.95	42	357611	103.889	ug/l	99
30) Chloroform	6.10	83	629673	21.039	ug/l	100
31) Cyclohexane	6.36	56	587217	20.733	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	536734	21.890	ug/l	99
36) 1,1-Dichloropropene	6.52	75	471389	20.557	ug/l	97
37) Ethyl Acetate	5.69	43	319154	20.968	ug/l	99
38) Carbon Tetrachloride	6.50	117	443754	21.321	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060177.D
 Acq On : 24 Oct 2018 13:01
 Operator : JC/SY
 Sample : VD1024SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Quant Time: Oct 25 03:33:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	531784	20.410	ug/l	95
40) Benzene	6.80	78	1210773	20.182	ug/l	99
41) Methacrylonitrile	5.95	41	367936	42.767	ug/l #	88
42) 1,2-Dichloroethane	6.89	62	356948	20.753	ug/l	100
43) Isopropyl Acetate	8.35	43	408938	20.422	ug/l #	98
44) Trichloroethene	7.74	130	376577	20.278	ug/l	100
45) 1,2-Dichloropropane	8.11	63	322681	20.542	ug/l	96
46) Dibromomethane	8.21	93	207417	20.395	ug/l	95
47) Bromodichloromethane	8.49	83	448918	20.717	ug/l	99
48) Methyl methacrylate	8.24	41	239595	21.005	ug/l	97
49) 1,4-Dioxane	8.23	88	45337	403.965	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	1325570	104.952	ug/l	98
52) Toluene	9.55	92	807859	20.909	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	420894	21.466	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	499045	20.611	ug/l	94
55) 1,1,2-Trichloroethane	10.18	97	263444	20.857	ug/l	98
56) Ethyl methacrylate	10.03	69	291426	20.902	ug/l	99
57) 1,3-Dichloropropane	10.38	76	402876	20.914	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	862438	111.390	ug/l	97
59) 2-Hexanone	10.49	43	1061831	116.914	ug/l	99
60) Dibromochloromethane	10.63	129	325258	20.988	ug/l	96
61) 1,2-Dibromoethane	10.76	107	274690	20.468	ug/l	96
64) Tetrachloroethene	10.25	164	348571	20.090	ug/l	99
65) Chlorobenzene	11.31	112	893655	20.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	311338	21.777	ug/l	99
67) Ethyl Benzene	11.43	91	1521010	21.906	ug/l	100
68) m/p-Xylenes	11.57	106	1129198	43.527	ug/l	97
69) o-Xylene	11.93	106	548602	21.379	ug/l	94
70) Styrene	11.95	104	927223	21.607	ug/l	98
71) Bromoform	12.12	173	230586	19.918	ug/l #	98
73) Isopropylbenzene	12.28	105	1432447	21.584	ug/l	99
74) N-amyl acetate	12.13	43	522482	21.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	313653	21.648	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	318794	22.005	ug/l	99
77) Bromobenzene	12.54	156	409701	21.244	ug/l	85
78) n-propylbenzene	12.64	91	1873779	22.738	ug/l	96
79) 2-Chlorotoluene	12.70	91	1026576	22.445	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1174322	22.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	89548	21.998	ug/l	93
82) 4-Chlorotoluene	12.81	91	1190848	23.020	ug/l	96
83) tert-Butylbenzene	13.05	119	1287034	21.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1197515	22.121	ug/l	98
85) sec-Butylbenzene	13.22	105	1567519	22.492	ug/l	99
86) p-Isopropyltoluene	13.34	119	1290626	22.578	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	722605	21.506	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	717293	21.253	ug/l	100
89) n-Butylbenzene	13.65	91	1248808	22.390	ug/l	99
90) Hexachloroethane	13.85	117	295672	22.350	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	622180	22.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	41365	21.382	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
Data File : VD060177.D
Acq On : 24 Oct 2018 13:01
Operator : JC/SY
Sample : VD1024SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Quant Time: Oct 25 03:33:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

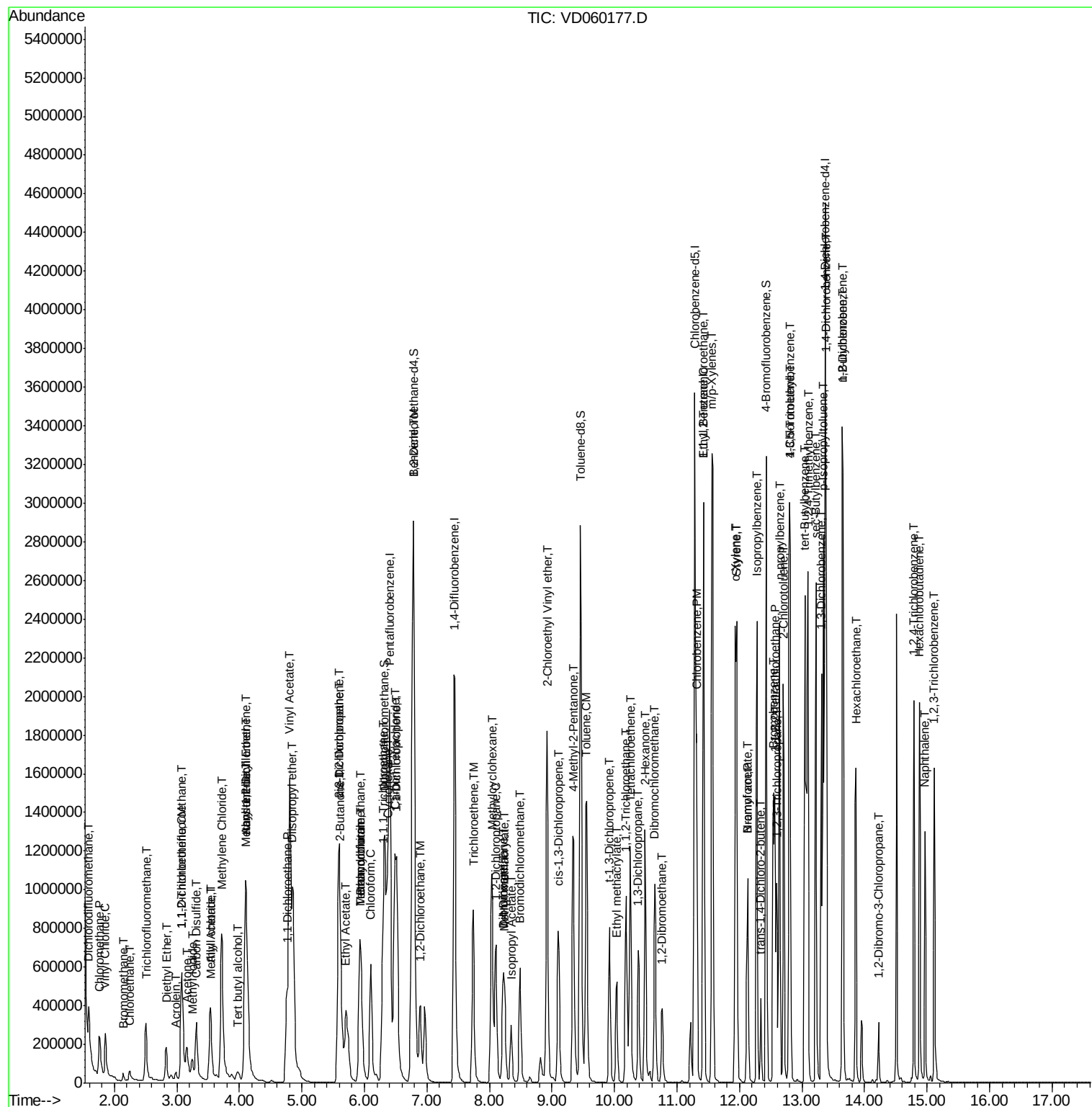
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	510466	21.287	ug/l	97
94) Hexachlorobutadiene	14.88	225	342671	21.498	ug/l	99
95) Naphthalene	14.96	128	746178	20.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	424397	20.345	ug/l	99

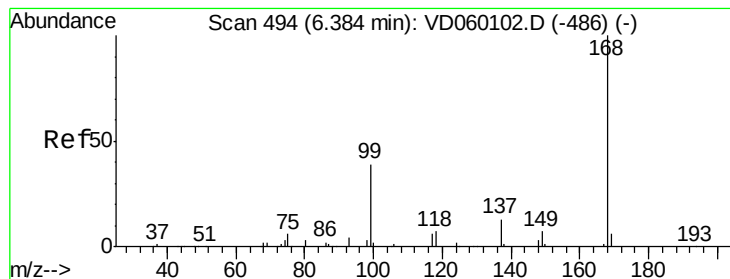
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
Data File : VD060177.D
Acq On : 24 Oct 2018 13:01
Operator : JC/SY
Sample : VD1024SBS01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Quant Time: Oct 25 03:33:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

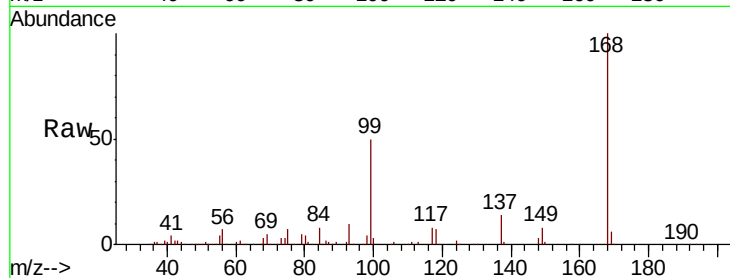
VD1024SBS01

Tot Ion:168 Resp: 1724634

Ion Ratio Lower Upper

168 100

99 50.1 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.40

600000

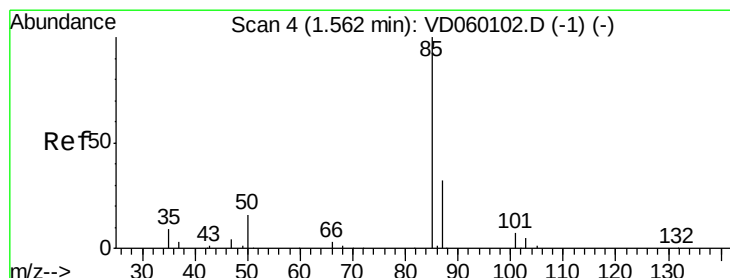
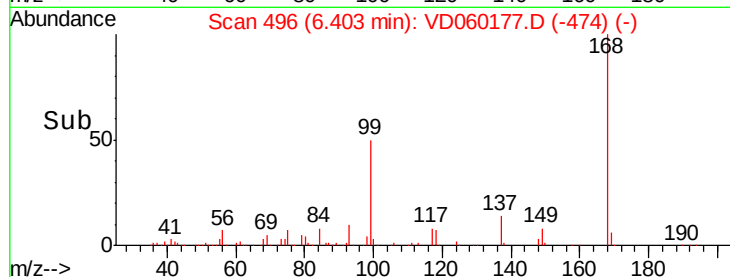
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.751 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060177.D

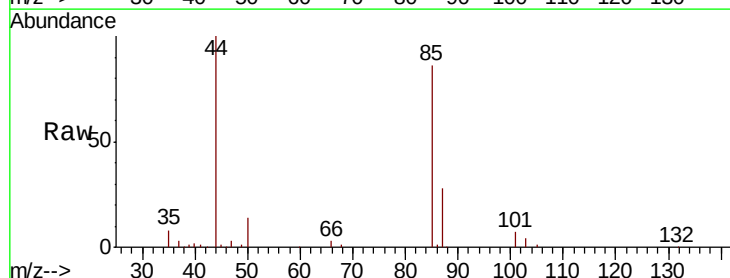
Acq: 24 Oct 2018 13:01

Tgt Ion: 85 Resp: 304196

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

150000

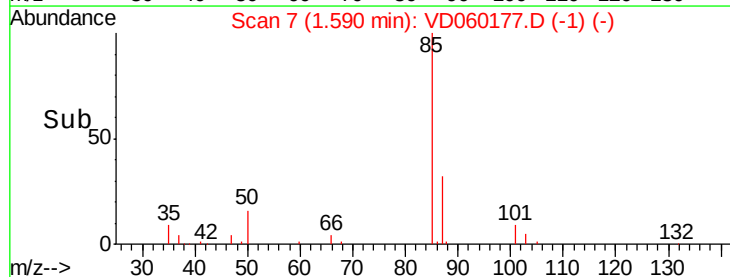
100000

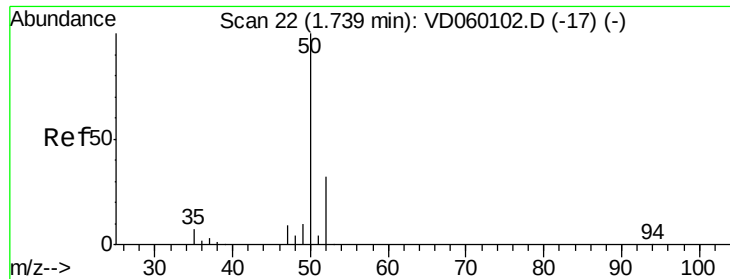
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 22.248 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

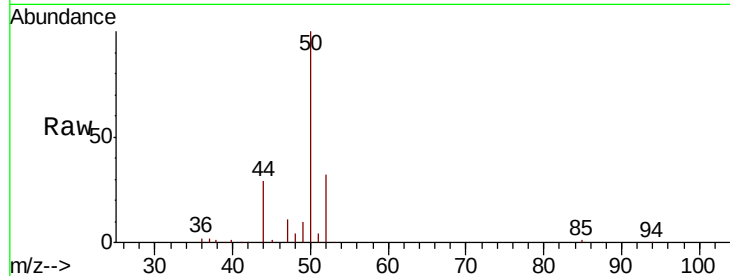
VD1024SBS01

Tot Ion: 50 Resp: 325463

Ion Ratio Lower Upper

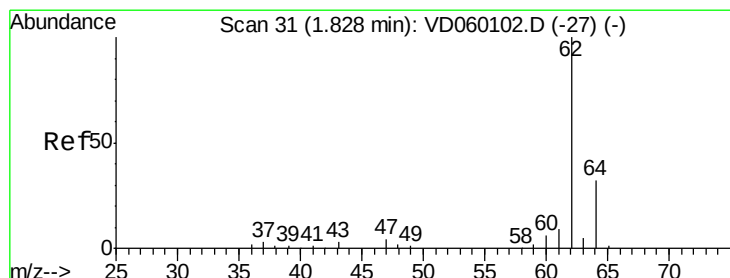
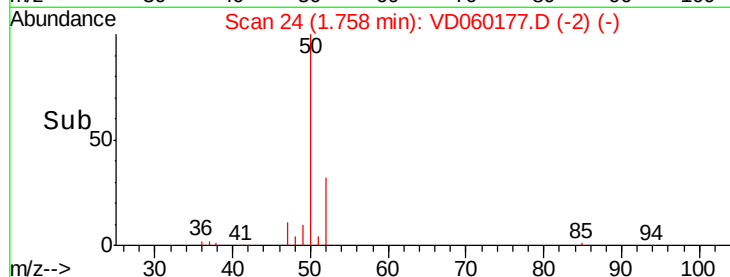
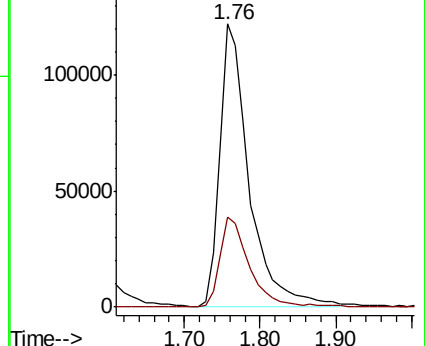
50 100

52 31.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.615 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060177.D

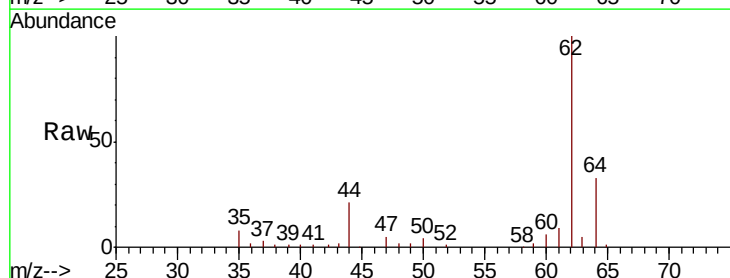
Acq: 24 Oct 2018 13:01

Tgt Ion: 62 Resp: 258767

Ion Ratio Lower Upper

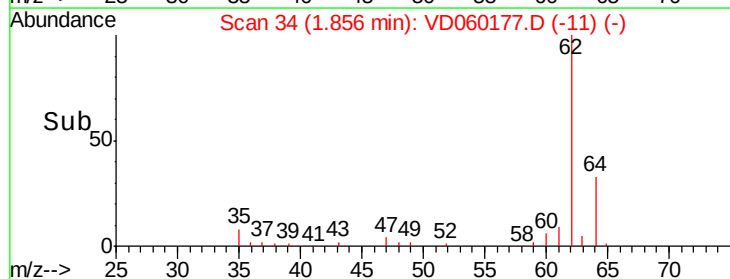
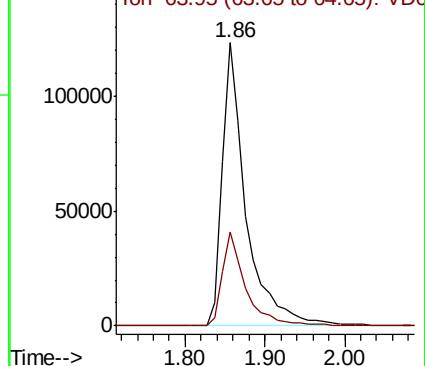
62 100

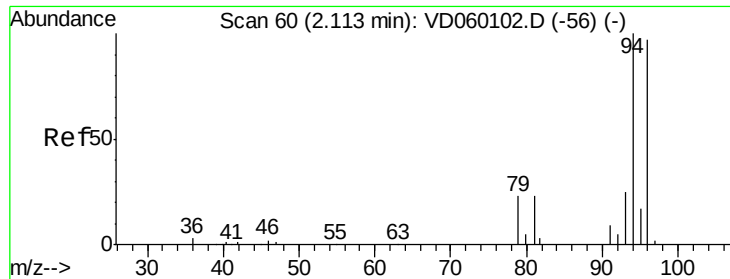
64 33.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.666 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

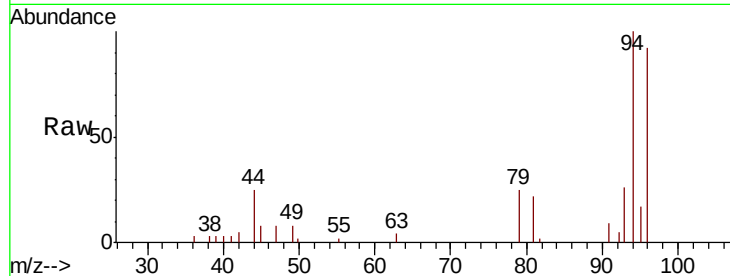
VD1024SBS01

Tot Ion: 94 Resp: 25053

Ion Ratio Lower Upper

94 100

96 91.7 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

15000

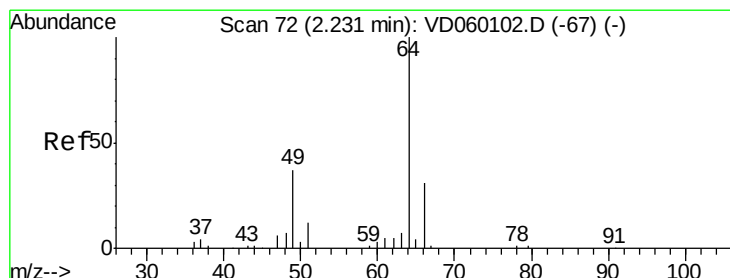
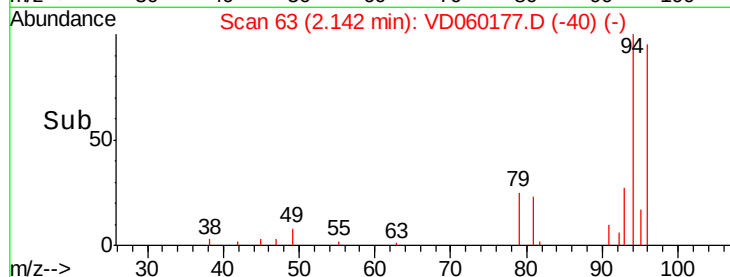
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 16.894 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060177.D

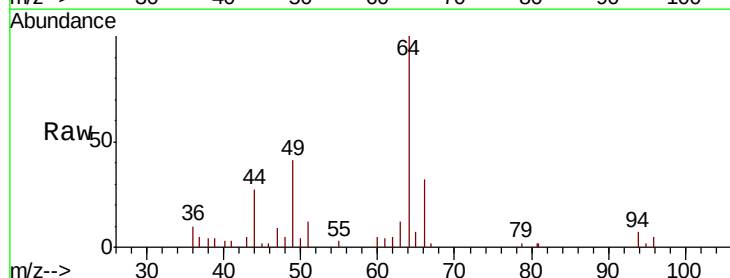
Acq: 24 Oct 2018 13:01

Tgt Ion: 64 Resp: 55193

Ion Ratio Lower Upper

64 100

66 32.3 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

20000

15000

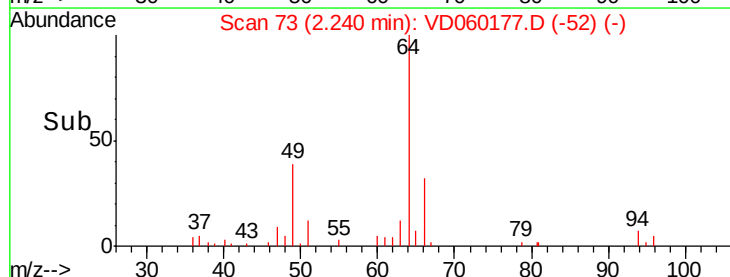
10000

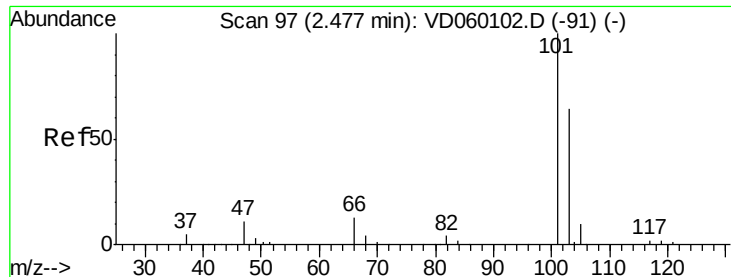
5000

0

Time-->

2.20 2.30 2.40



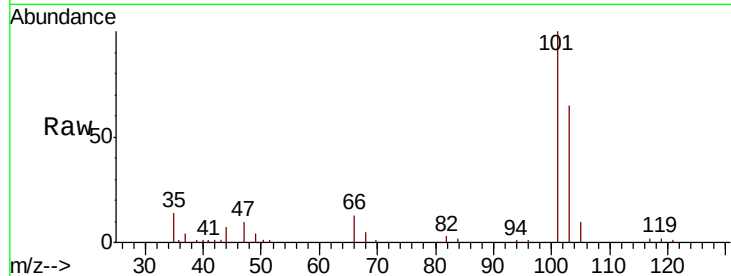


#7

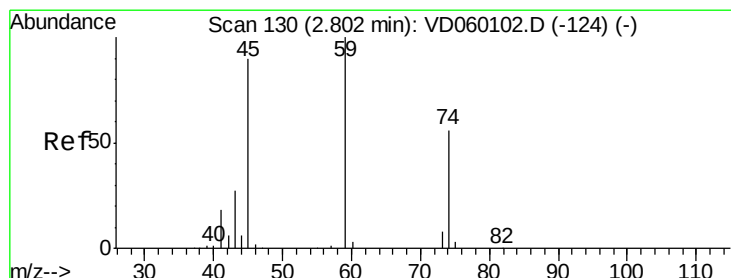
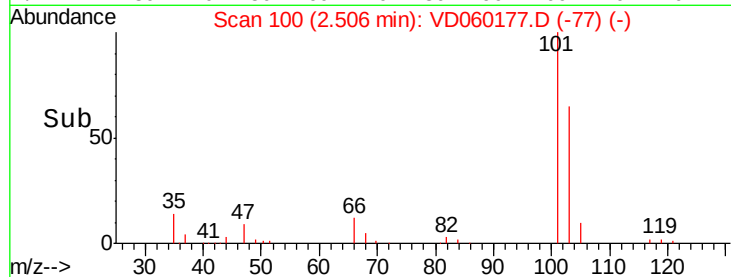
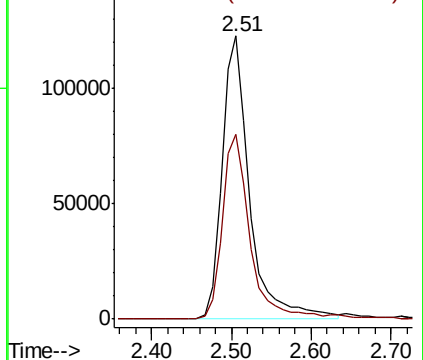
Trichlorofluoromethane
 Concen: 20.807 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion:101 Resp: 298261
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.5 77.3



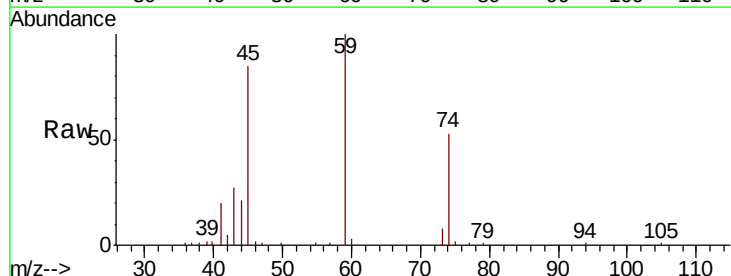
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



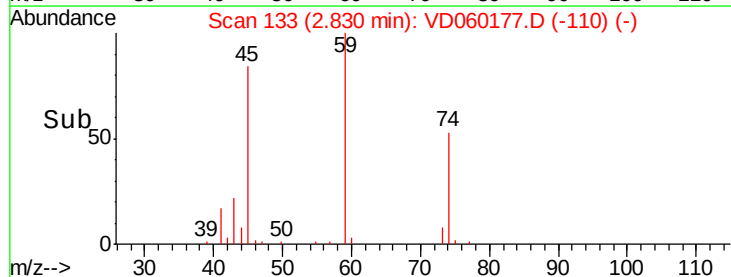
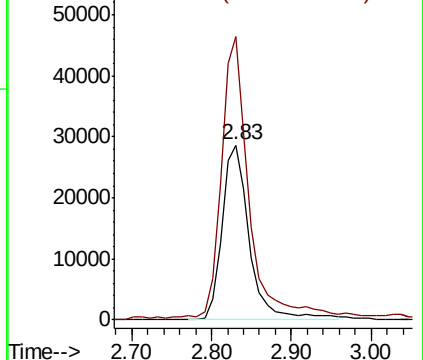
#8

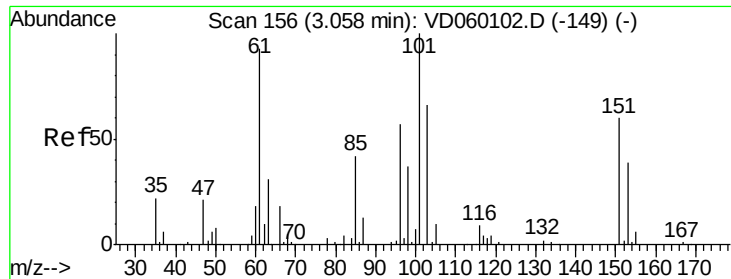
Diethyl Ether
 Concen: 23.574 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 74 Resp: 69489
 Ion Ratio Lower Upper
 74 100
 45 162.0 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: 23.158 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

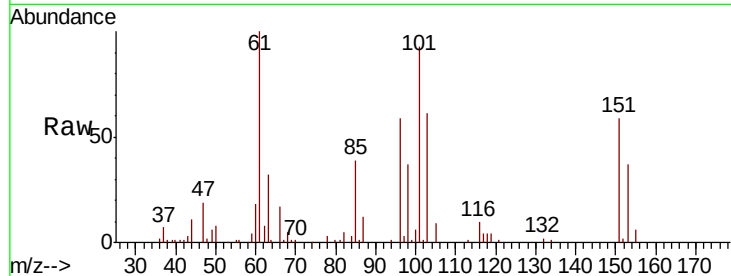
Tot Ion:101 Resp: 206803

Ion Ratio Lower Upper

101 100

85 41.8 33.4 50.0

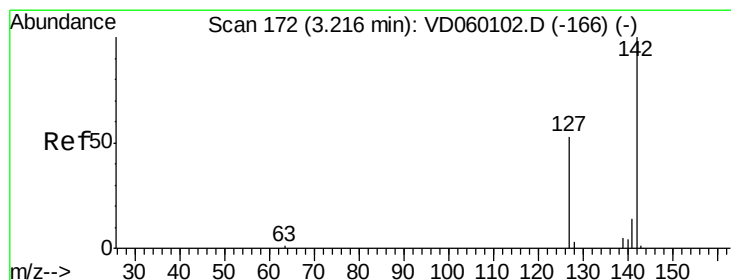
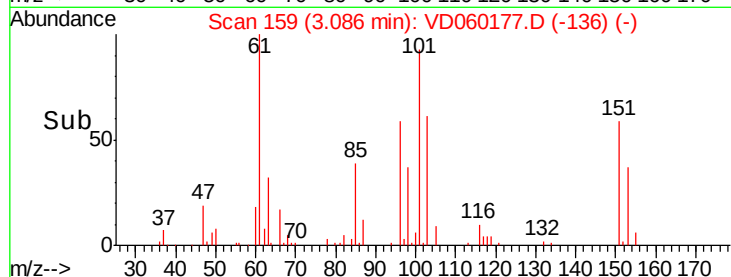
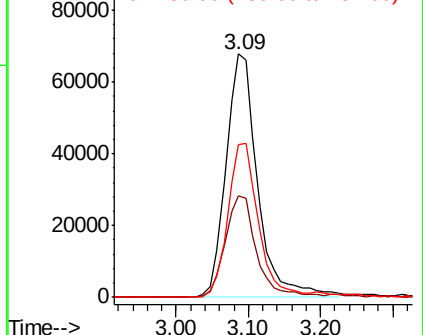
151 62.8 48.0 72.0



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: 19.876 ug/l

RT: 3.24 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

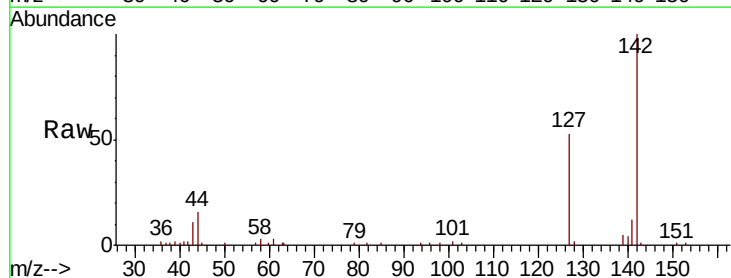
Tgt Ion:142 Resp: 188227

Ion Ratio Lower Upper

142 100

127 53.2 42.0 63.0

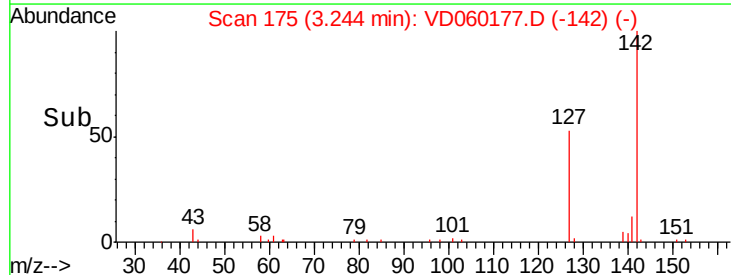
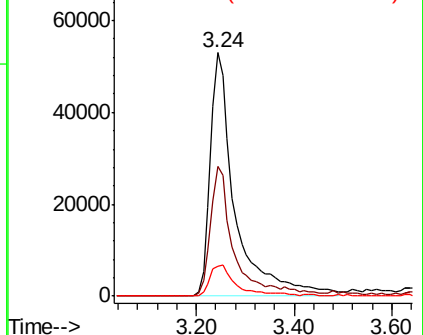
141 12.4 11.4 17.0

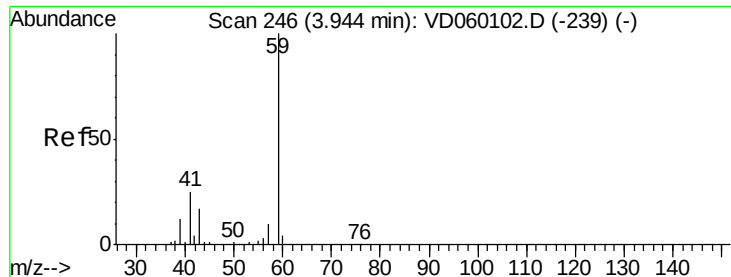


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

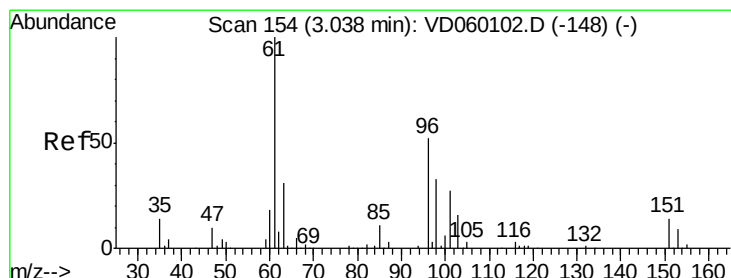
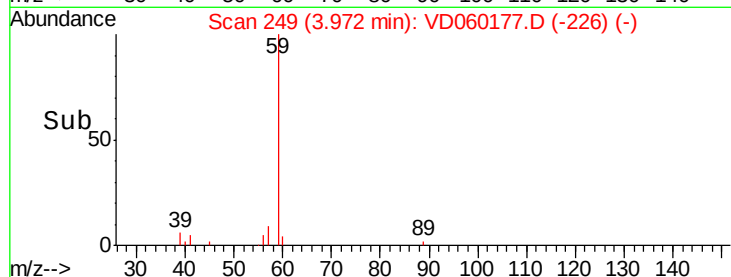
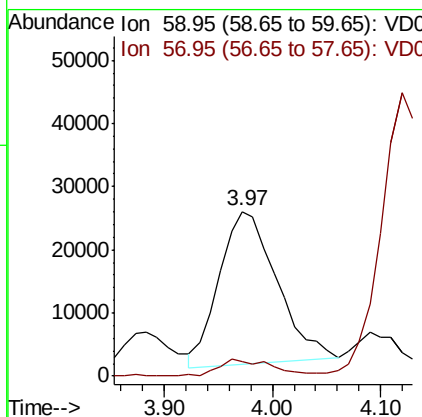
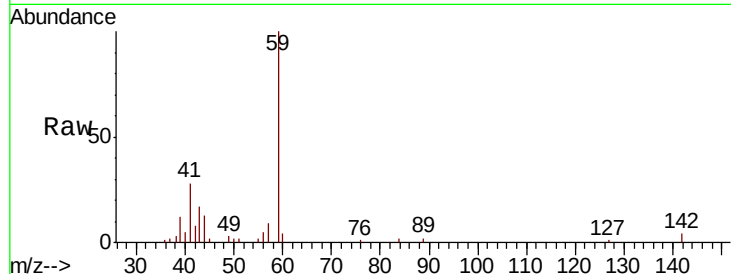




#11
Tert butyl alcohol
Concen: 95.905 ug/l
RT: 3.97 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

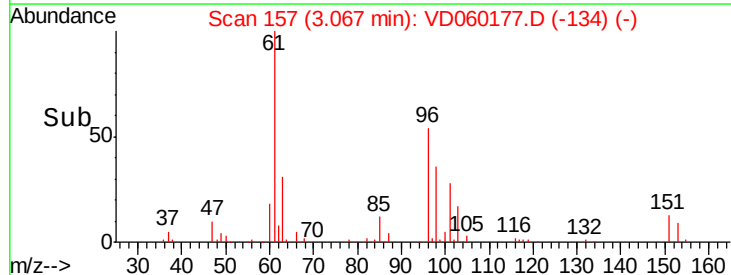
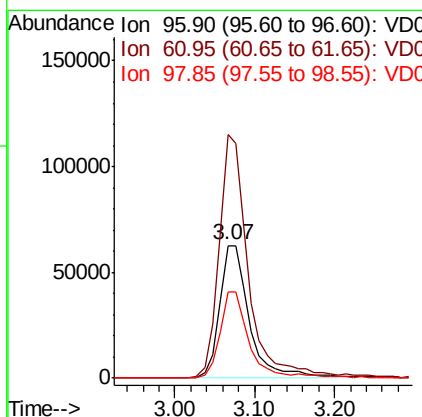
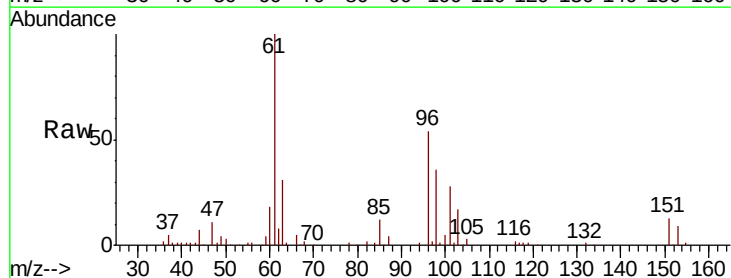
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

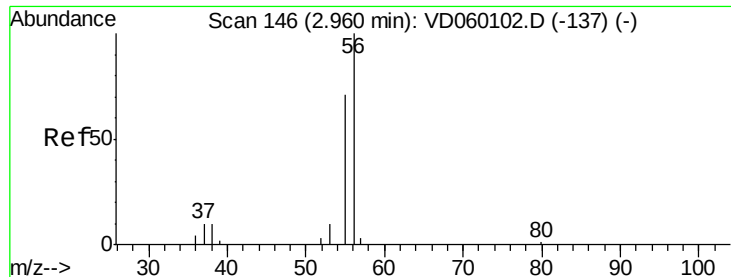
Tot Ion: 59 Resp: 89918
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6



#12
1,1-Dichloroethene
Concen: 23.453 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 96 Resp: 165000
Ion Ratio Lower Upper
96 100
61 184.0 153.0 229.4
98 65.4 51.1 76.7





#13

Acrolein

Concen: 83.321 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

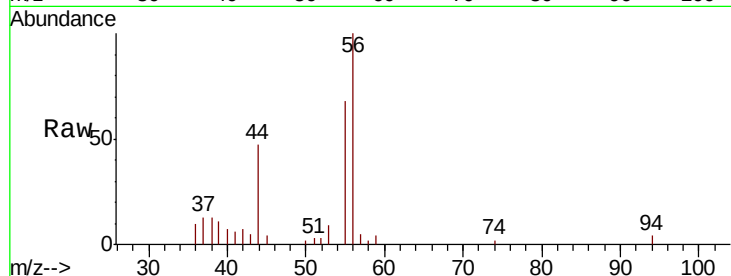
VD1024SBS01

Tot Ion: 56 Resp: 48157

Ion Ratio Lower Upper

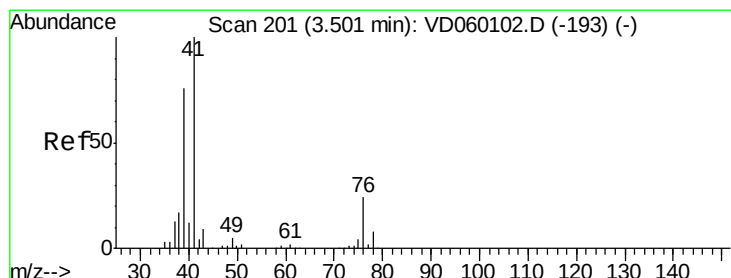
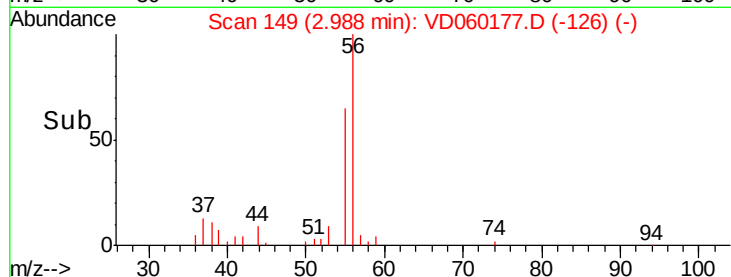
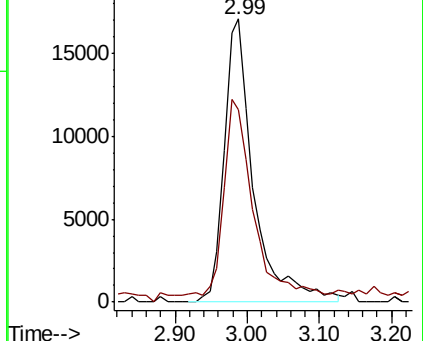
56 100

55 68.2 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.693 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

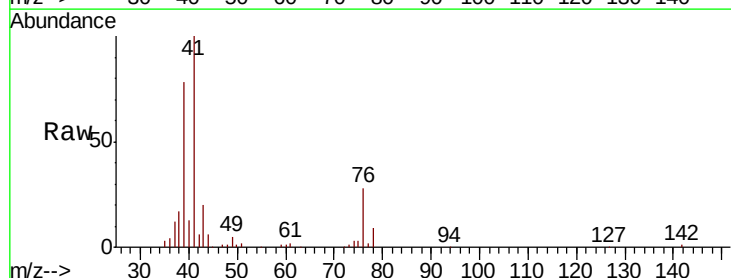
Tgt Ion: 41 Resp: 331582

Ion Ratio Lower Upper

41 100

39 78.1 60.6 90.8

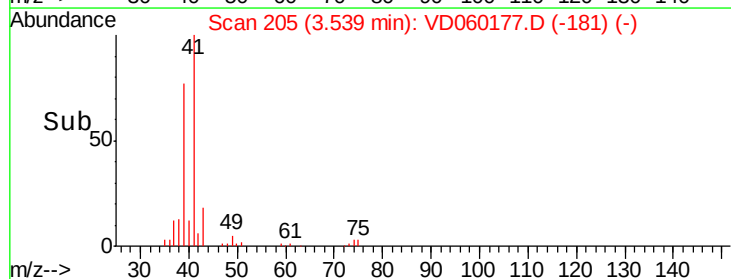
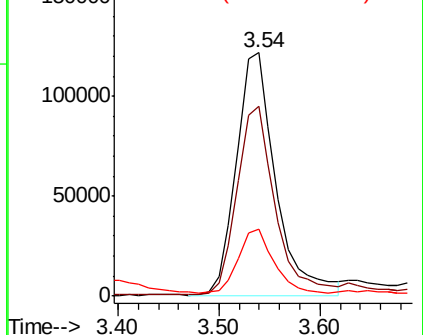
76 27.7 21.3 31.9

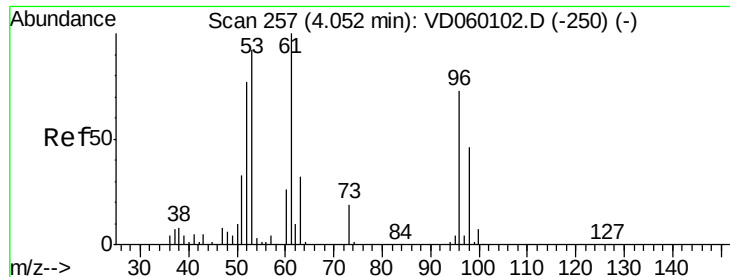


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 107.753 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

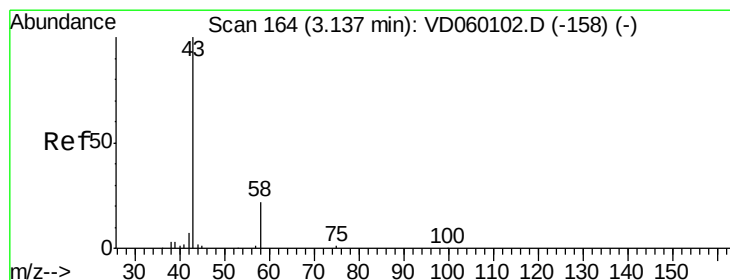
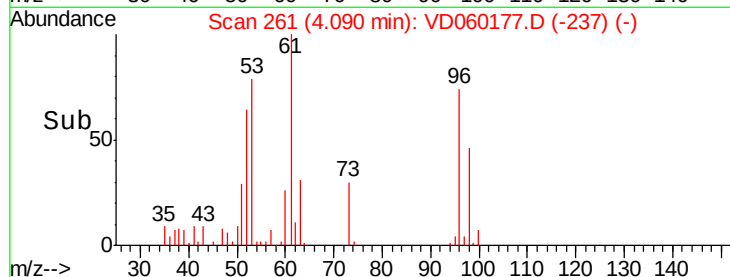
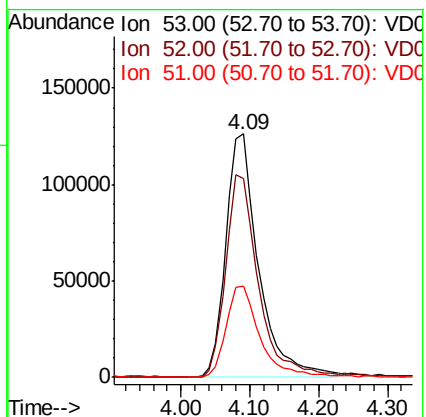
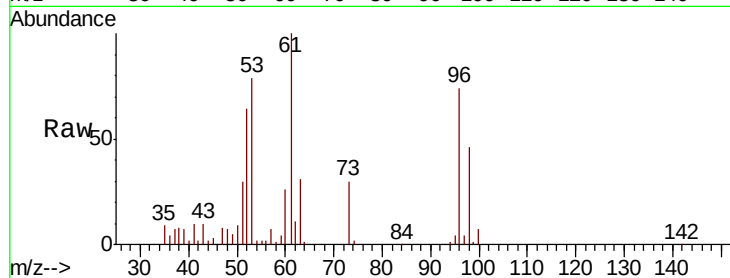
Tot Ion: 53 Resp: 418160

Ion Ratio Lower Upper

53 100

52 81.5 67.5 101.3

51 37.8 29.3 43.9



#16

Acetone

Concen: 129.134 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060177.D

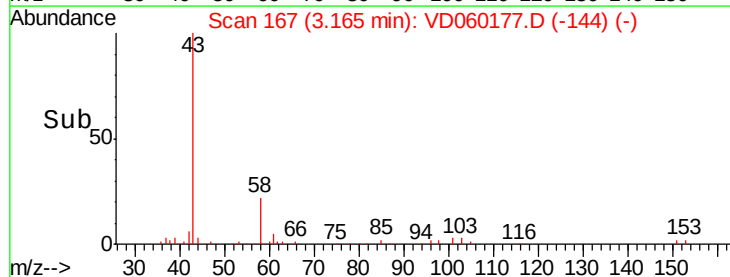
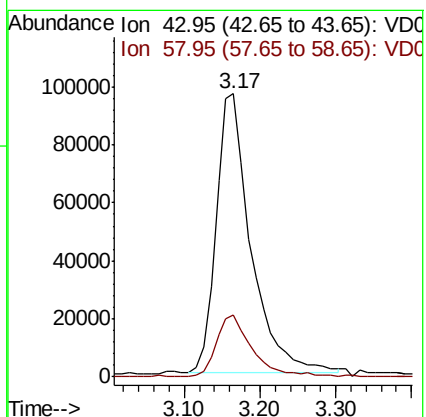
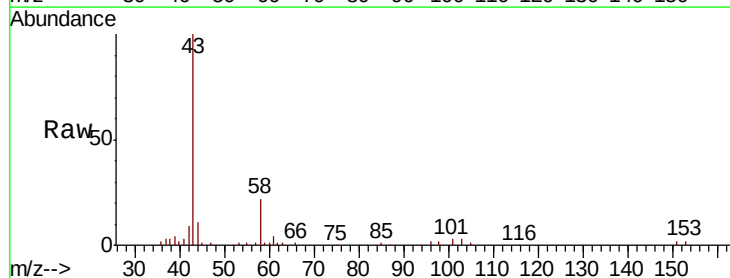
Acq: 24 Oct 2018 13:01

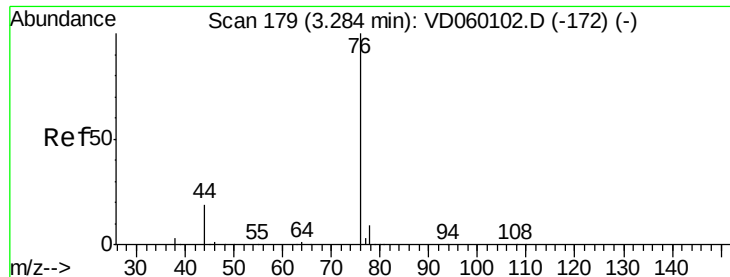
Tgt Ion: 43 Resp: 306324

Ion Ratio Lower Upper

43 100

58 22.0 17.7 26.5

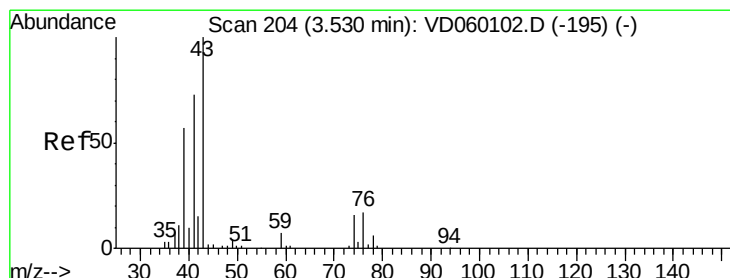
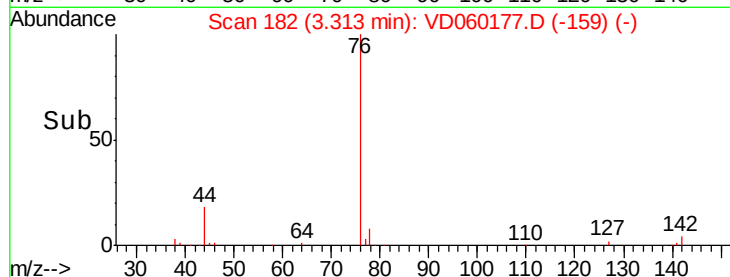
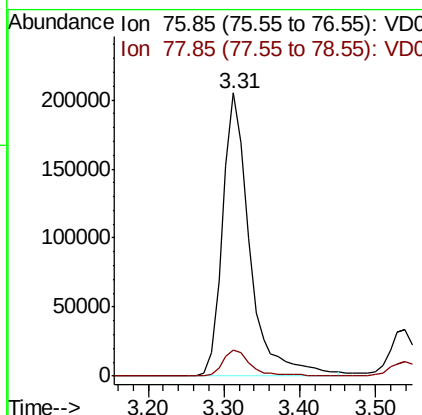
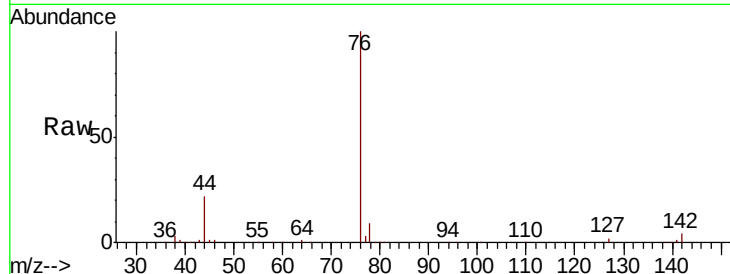




#17
Carbon Disulfide
Concen: 21.610 ug/l
RT: 3.31 min Scan# 182
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

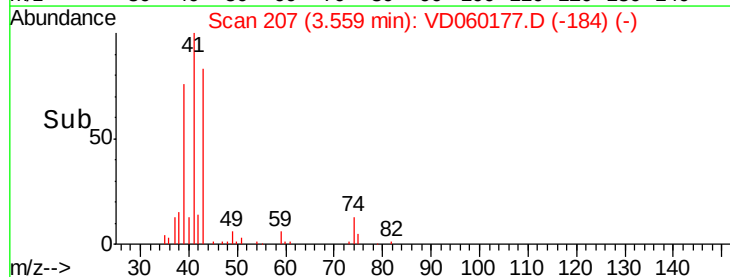
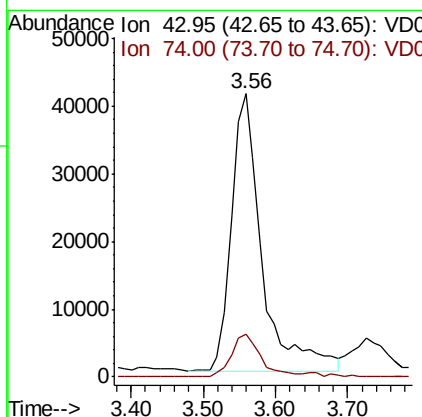
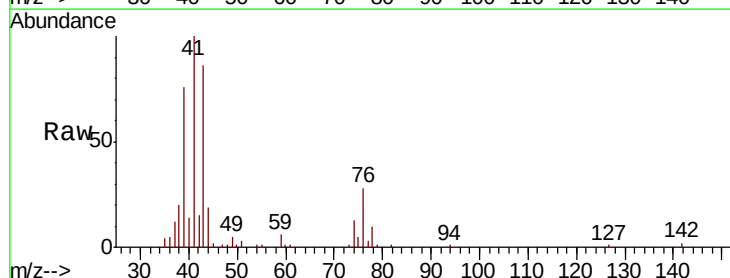
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

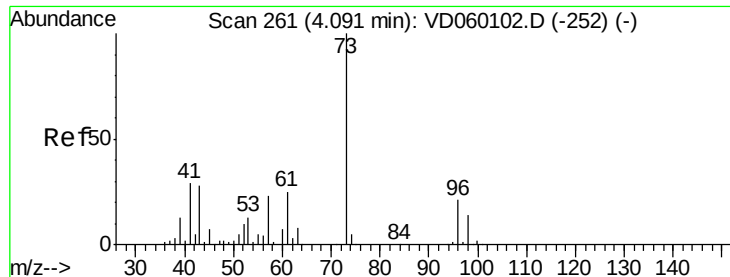
Tot Ion: 76 Resp: 511252
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 23.594 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 43 Resp: 120296
Ion Ratio Lower Upper
43 100
74 15.0 12.6 19.0

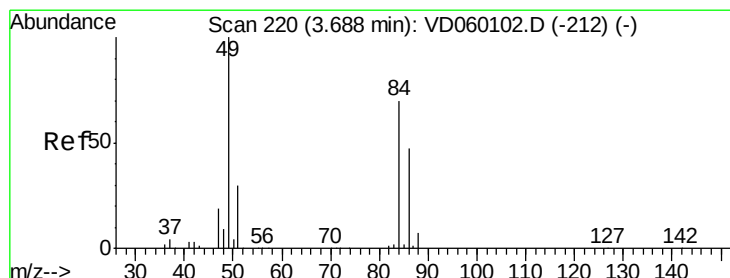
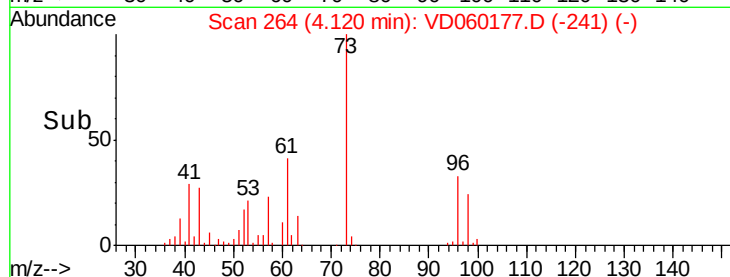
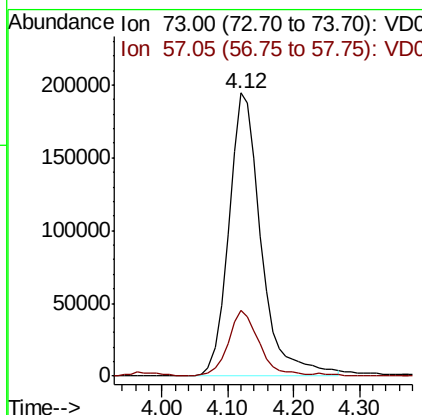
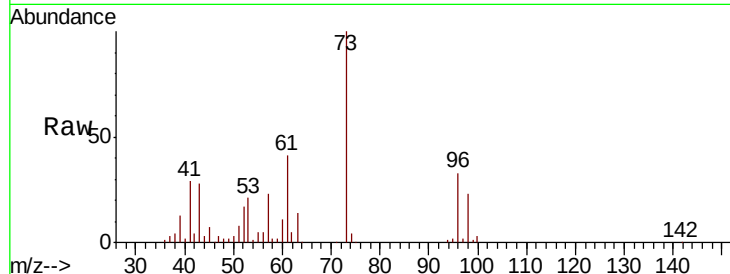




#19
Methyl tert-butyl Ether
Concen: 21.581 ug/l
RT: 4.12 min Scan# 264
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

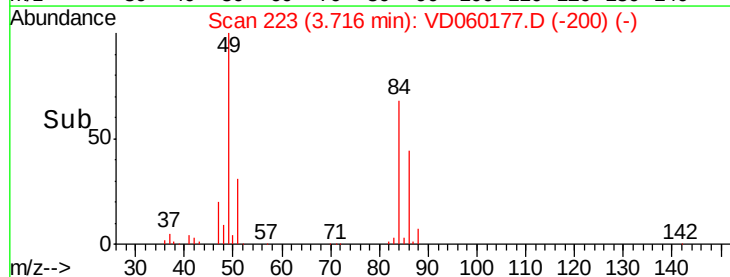
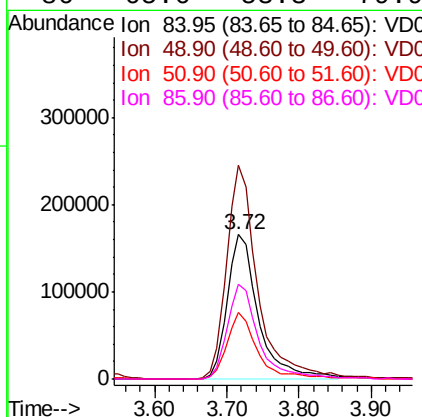
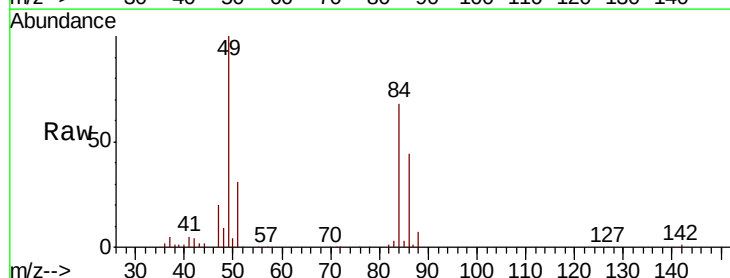
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

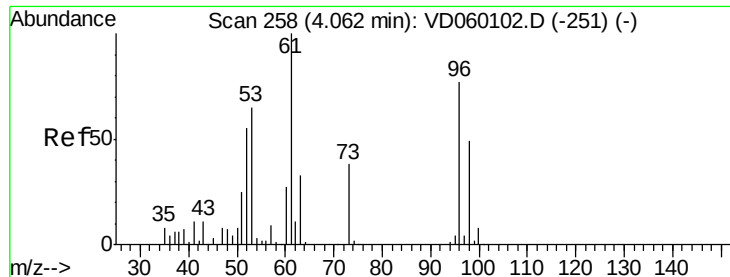
Tot Ion: 73 Resp: 667532
Ion Ratio Lower Upper
73 100
57 23.0 18.7 28.1



#20
Methylene Chloride
Concen: 24.489 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 84 Resp: 498219
Ion Ratio Lower Upper
84 100
49 147.8 114.6 172.0
51 46.0 33.8 50.8
86 65.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.522 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

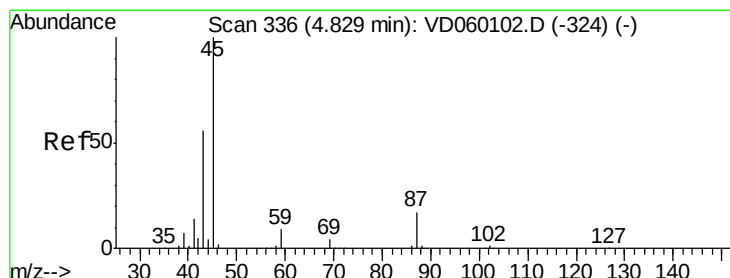
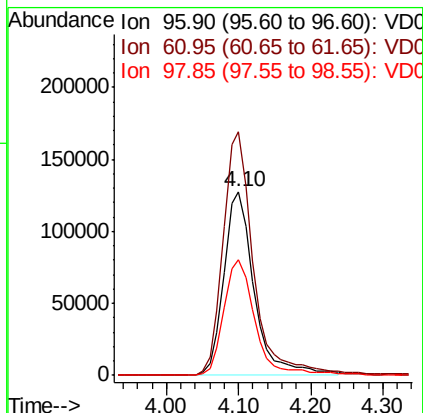
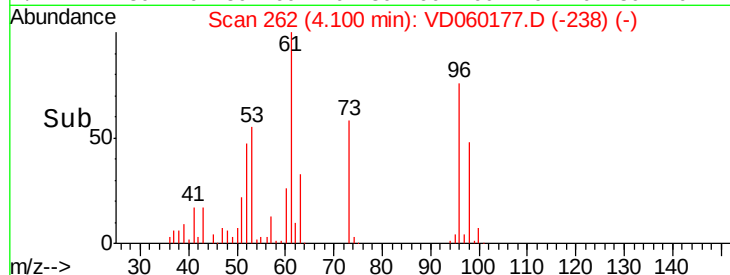
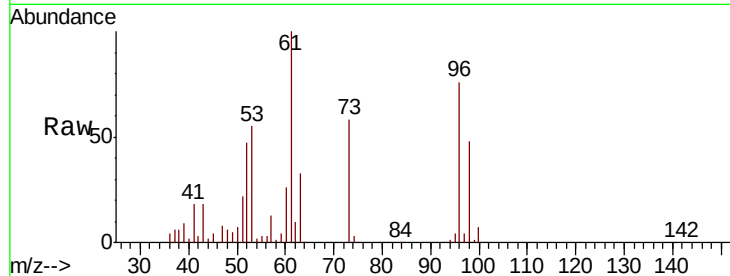
Tot Ion: 96 Resp: 372883

Ion Ratio Lower Upper

96 100

61 132.2 103.3 154.9

98 63.1 50.4 75.6



#22

Diisopropyl ether

Concen: 21.303 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion: 45 Resp: 1390085

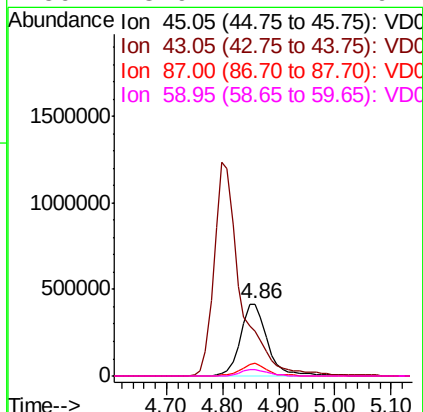
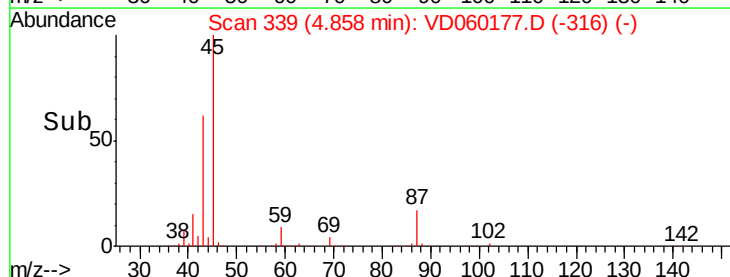
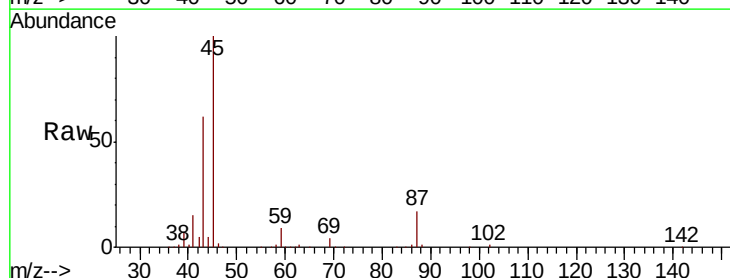
Ion Ratio Lower Upper

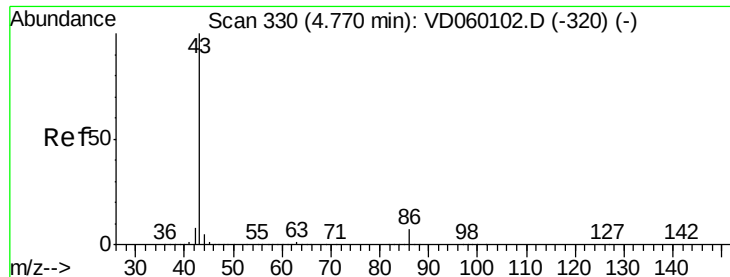
45 100

43 61.8 44.8 67.2

87 17.2 13.9 20.9

59 8.9 7.1 10.7





#23

Vinyl Acetate

Concen: 110.496 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

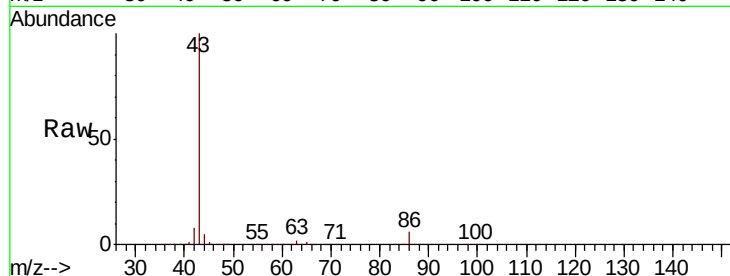
VD1024SBS01

Tot Ion: 43 Resp: 4052969

Ion Ratio Lower Upper

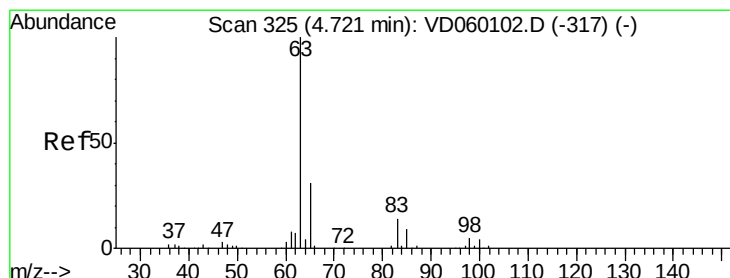
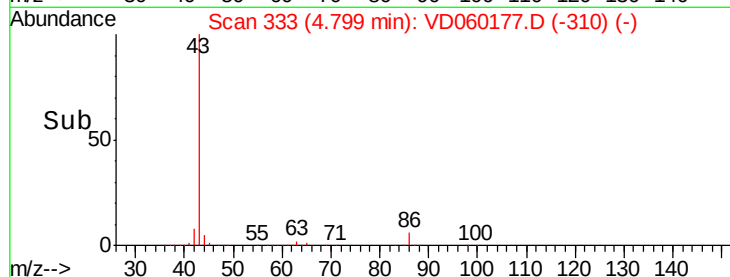
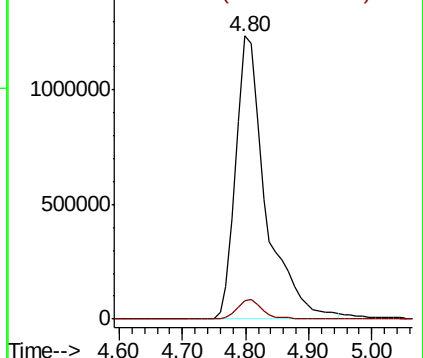
43 100

86 6.5 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.117 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

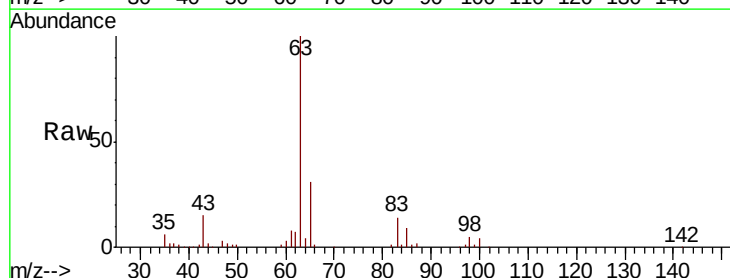
Tgt Ion: 63 Resp: 624795

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

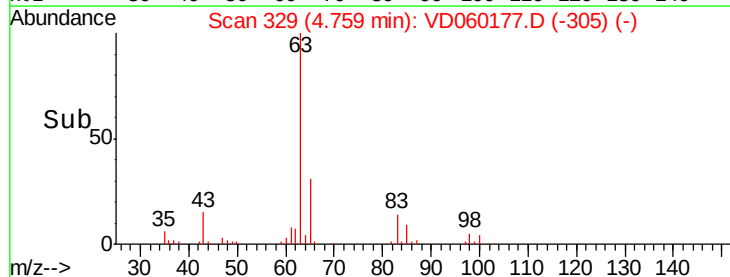
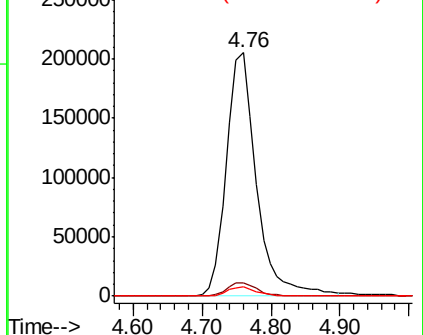
100 3.9 1.8 5.3

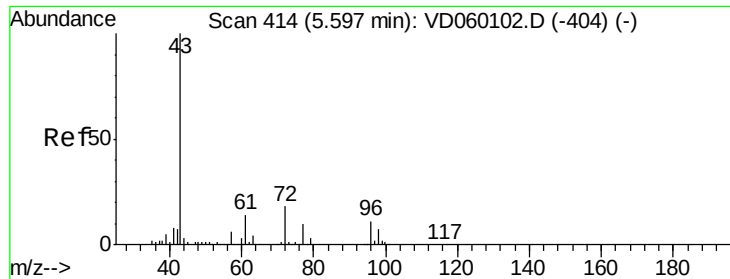


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 116.760 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

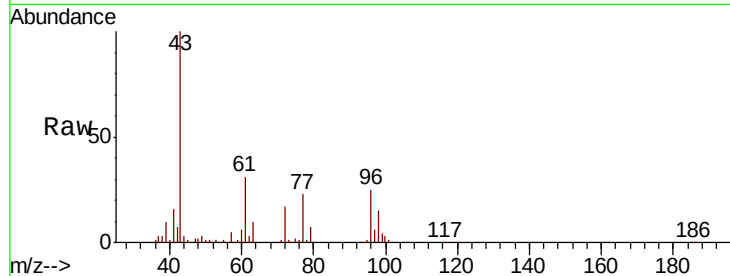
VD1024SBS01

Tot Ion: 43 Resp: 691940

Ion Ratio Lower Upper

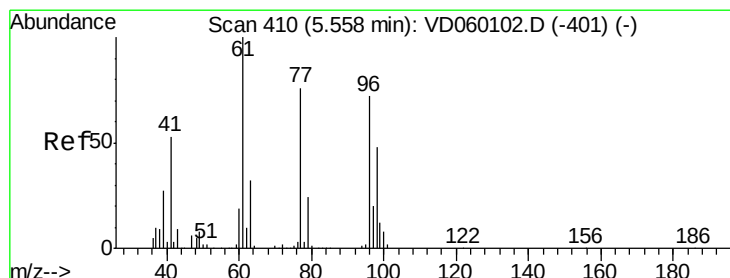
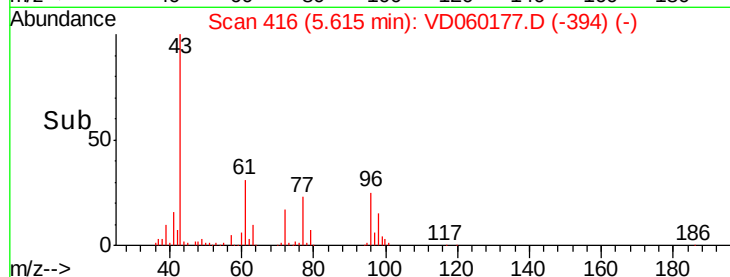
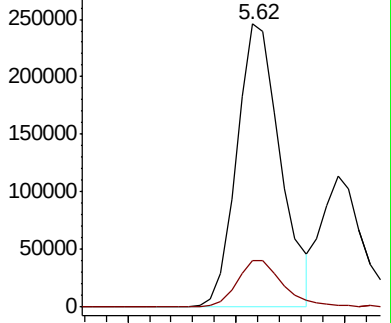
43 100

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: 22.871 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060177.D

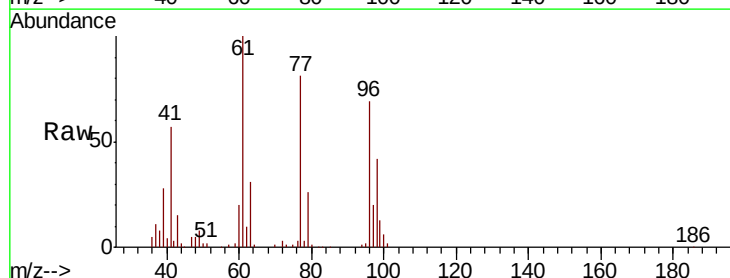
Acq: 24 Oct 2018 13:01

Tgt Ion: 77 Resp: 512992

Ion Ratio Lower Upper

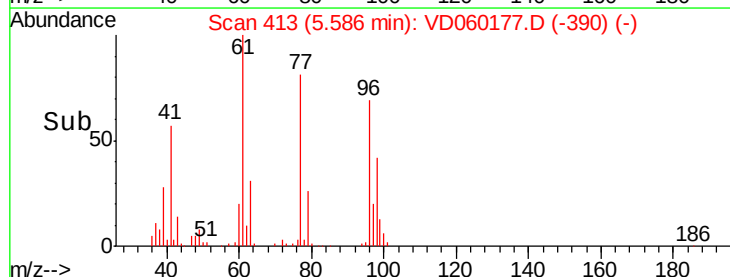
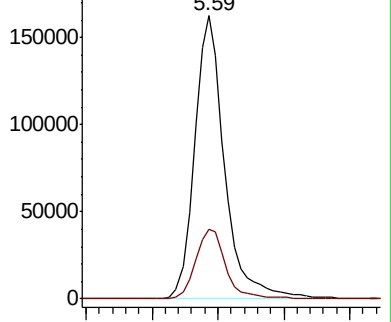
77 100

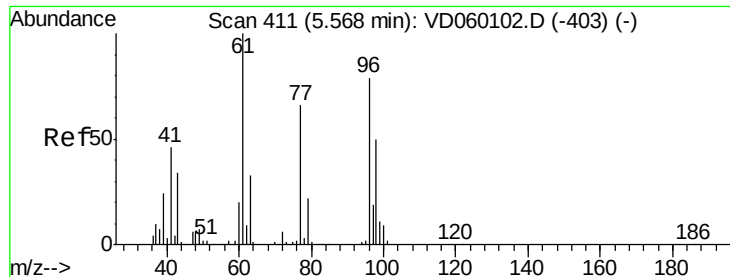
97 24.7 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



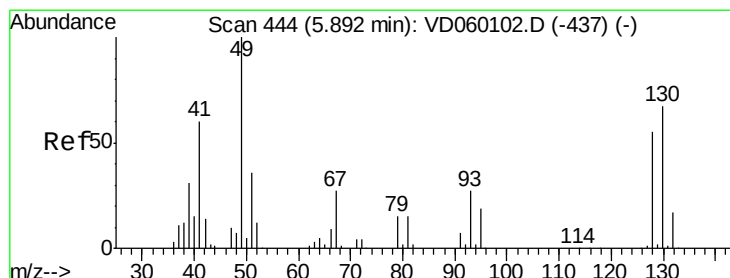
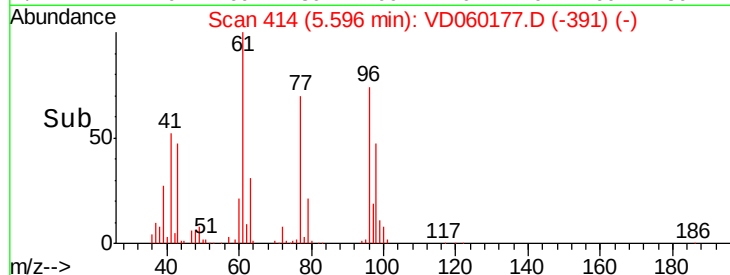
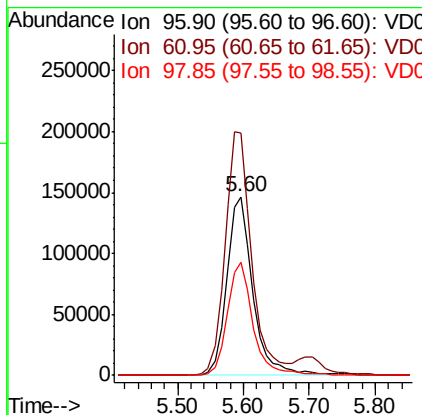
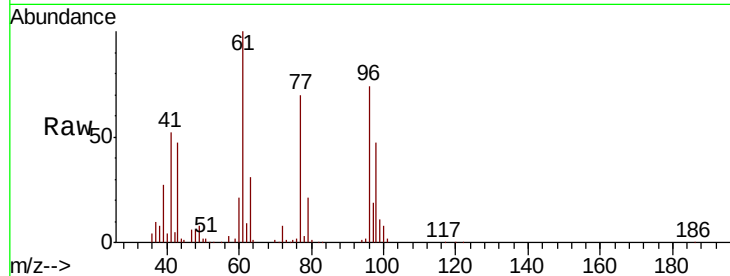


#27

cis-1,2-Dichloroethene
 Concen: 21.060 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

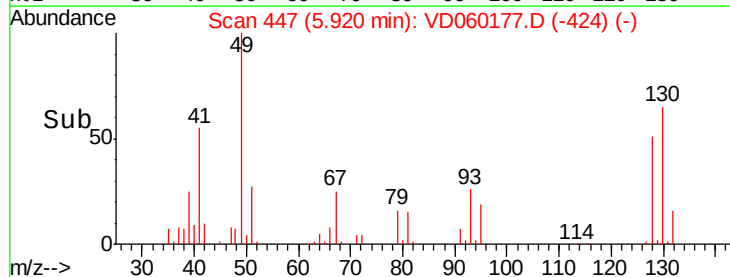
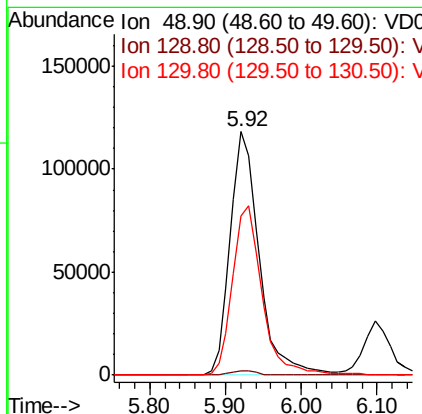
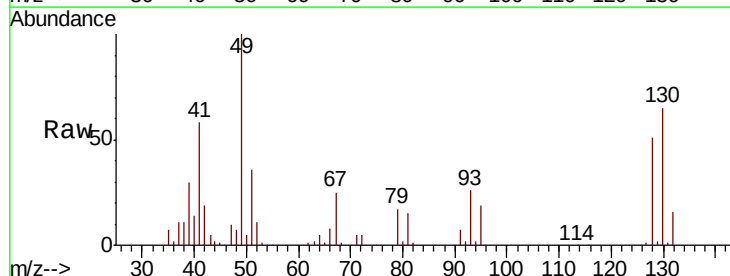
Tot Ion: 96 Resp: 405414
 Ion Ratio Lower Upper
 96 100
 61 135.9 0.0 251.8
 98 63.4 0.0 125.2

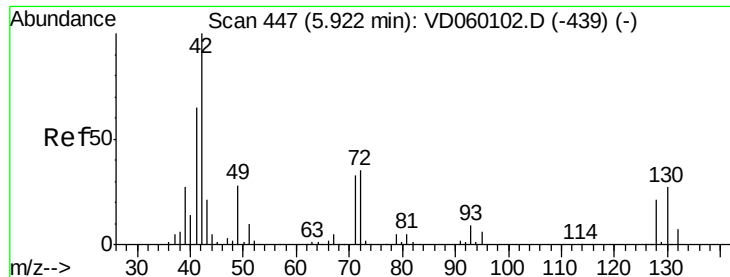


#28

Bromochloromethane
 Concen: 21.863 ug/l
 RT: 5.92 min Scan# 447
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 49 Resp: 314331
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.6
 130 65.2 53.9 80.9





#29

Tetrahydrofuran

Concen: 103.889 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

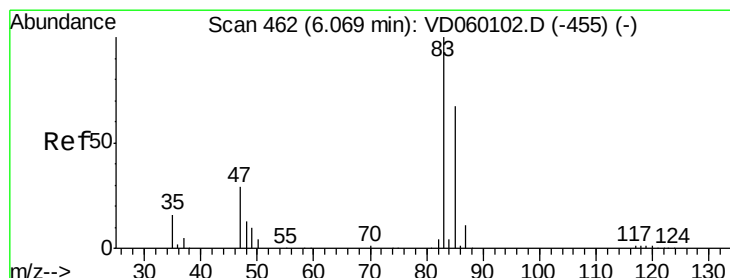
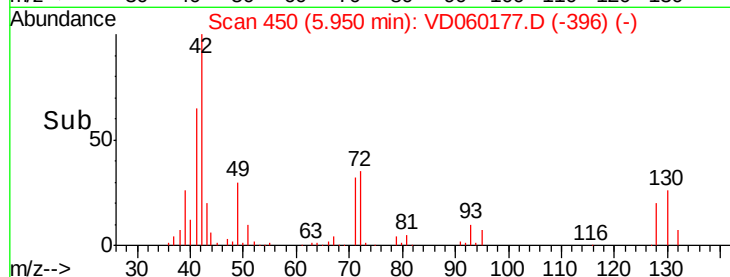
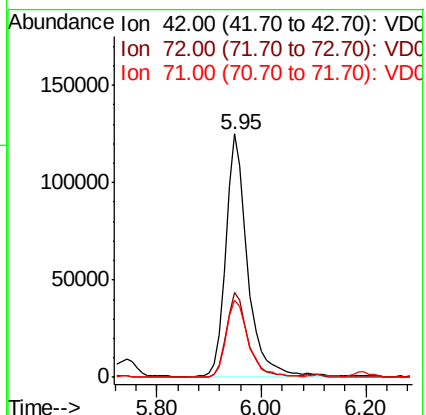
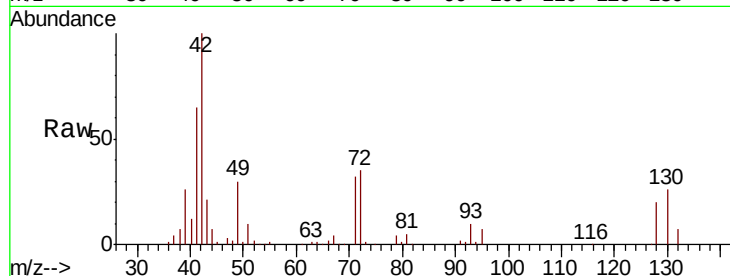
Tot Ion: 42 Resp: 357611

Ion Ratio Lower Upper

42 100

72 34.2 26.9 40.3

71 32.8 26.7 40.1



#30

Chloroform

Concen: 21.039 ug/l

RT: 6.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: VD060177.D

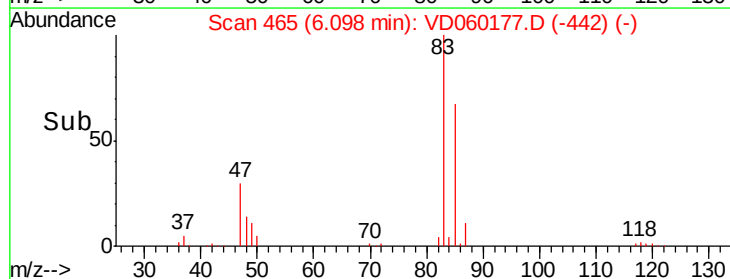
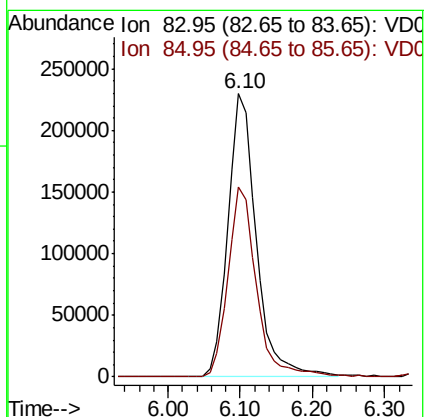
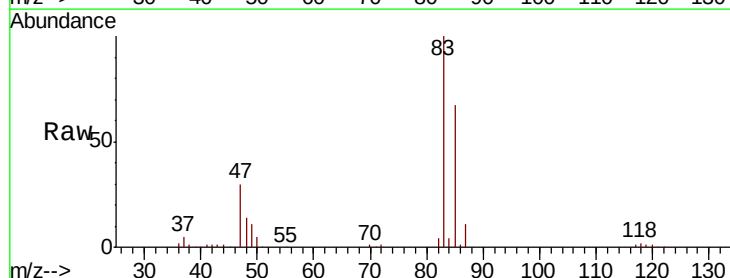
Acq: 24 Oct 2018 13:01

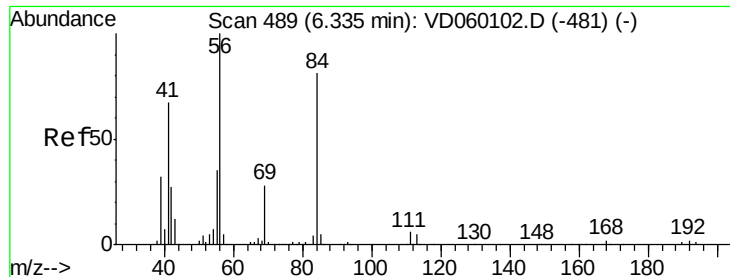
Tgt Ion: 83 Resp: 629673

Ion Ratio Lower Upper

83 100

85 67.0 53.8 80.8

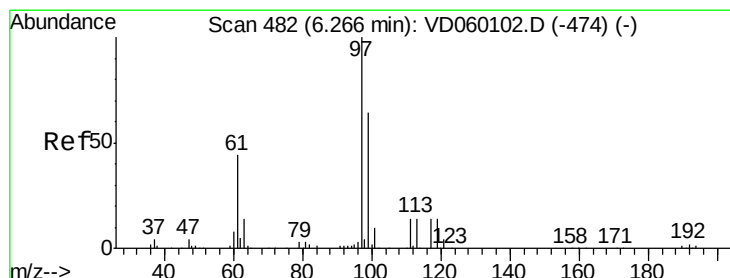
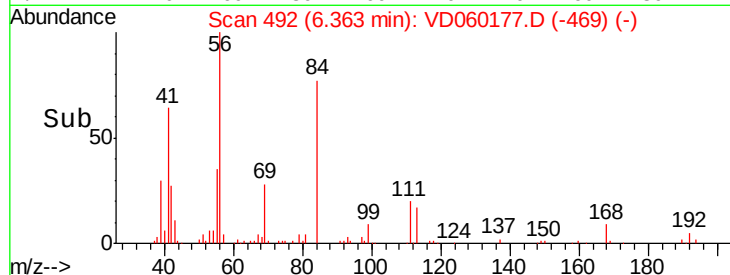
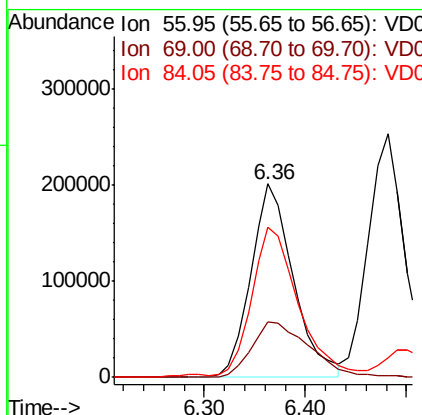
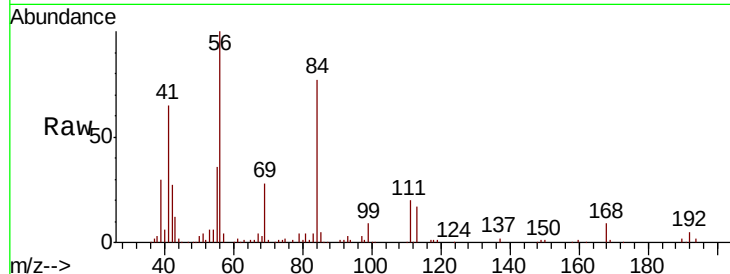




#31
Cyclohexane
Concen: 20.733 ug/l
RT: 6.36 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

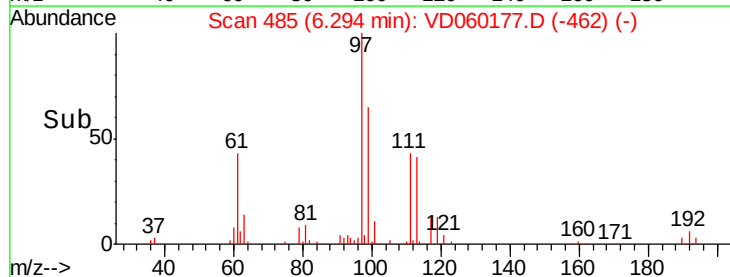
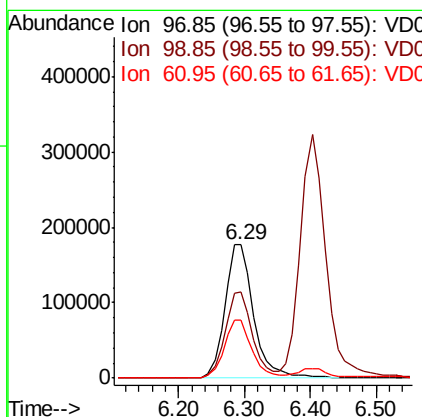
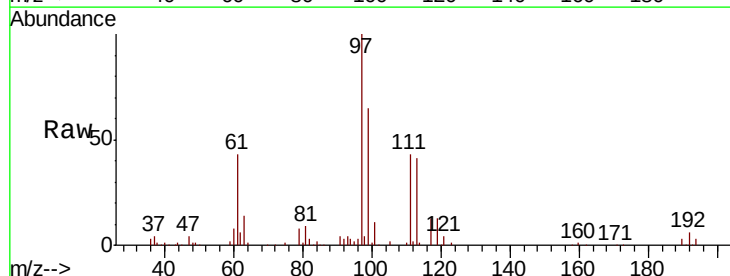
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

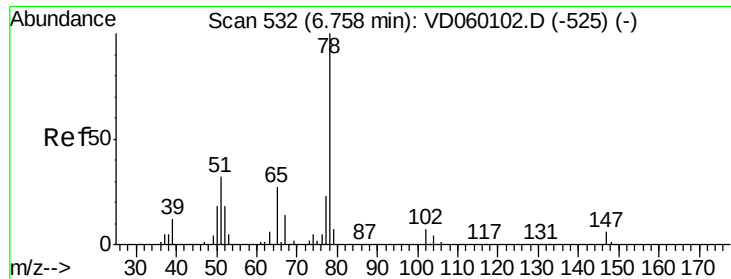
Tot Ion: 56 Resp: 587217
Ion Ratio Lower Upper
56 100
69 28.4 22.8 34.2
84 77.4 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 21.890 ug/l
RT: 6.29 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 97 Resp: 536734
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 43.2 35.5 53.3

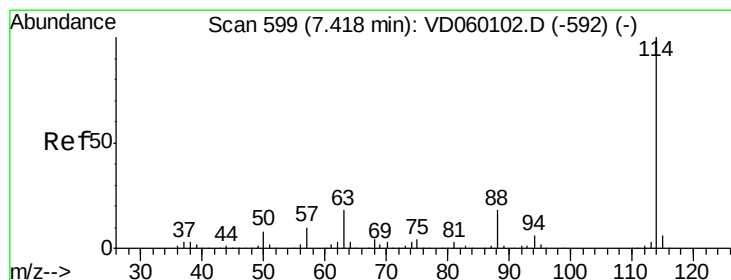
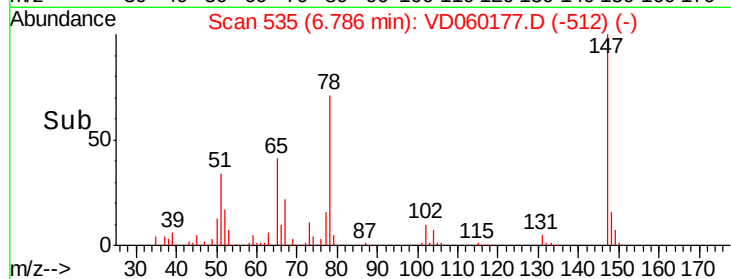
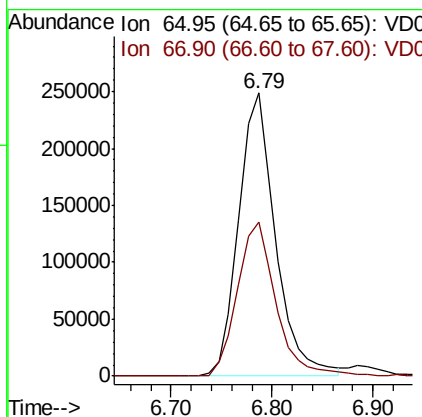
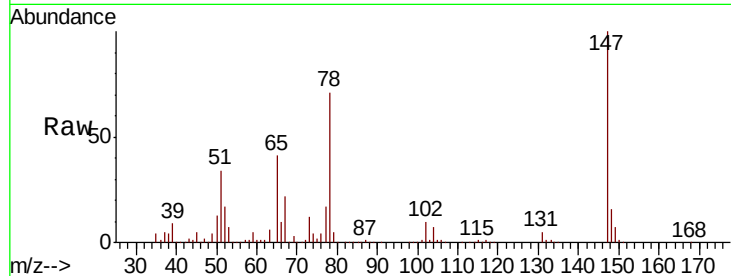




#33
 1,2-Dichloroethane-d4
 Concen: 21.890 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

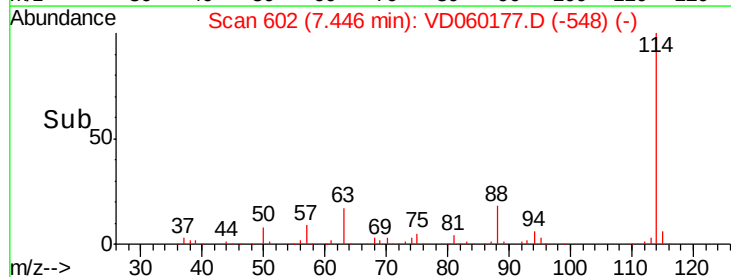
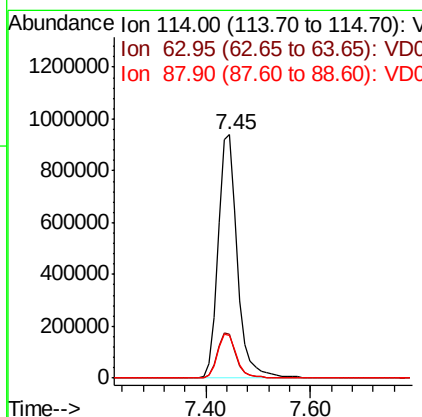
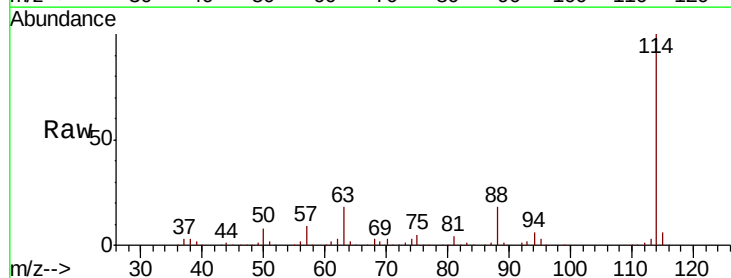
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

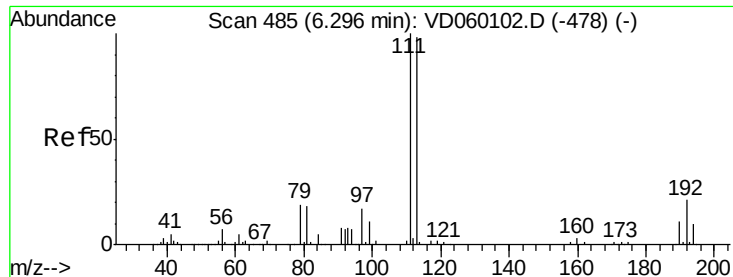
Tot Ion: 65 Resp: 632320
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 114 Resp: 2399705
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.0
 88 17.7 0.0 36.2

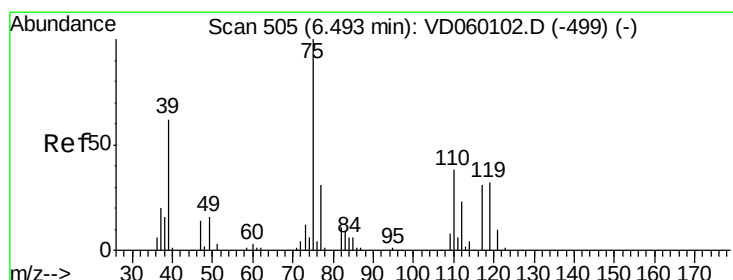
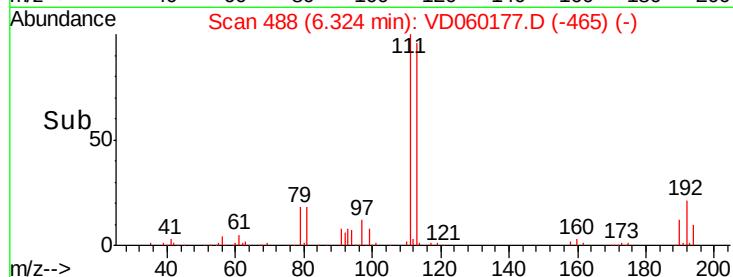
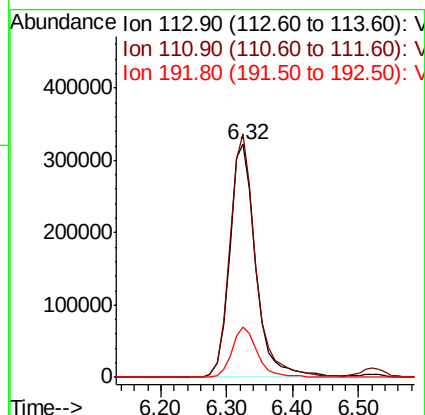
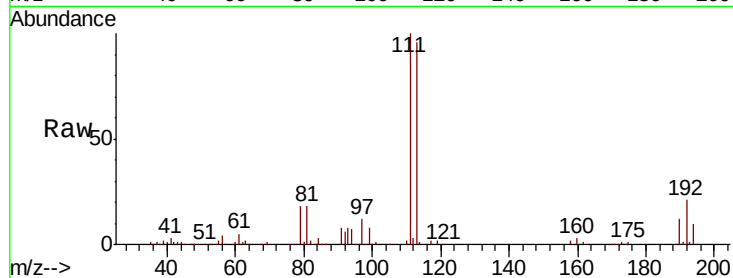




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

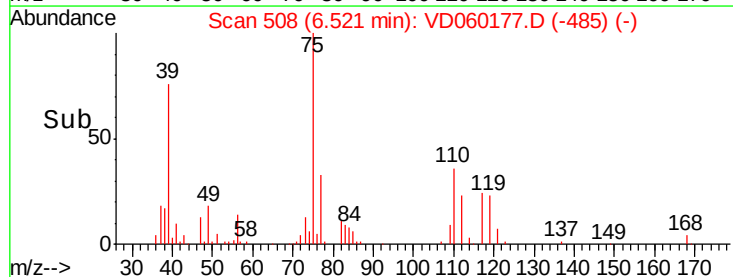
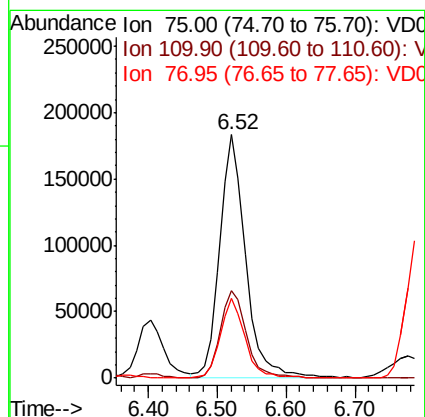
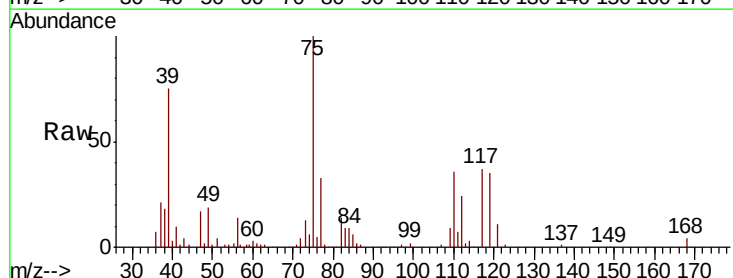
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

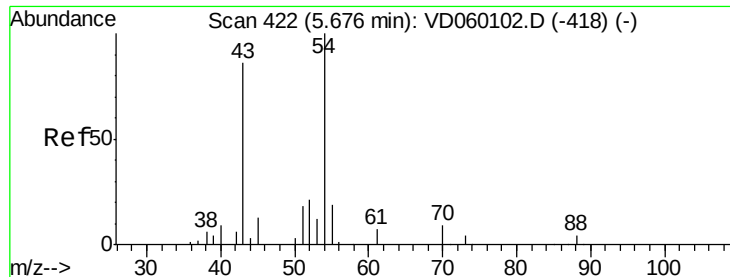
Tot Ion:113 Resp: 890013
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.5 122.3
 192 21.8 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 20.557 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 75 Resp: 471389
 Ion Ratio Lower Upper
 75 100
 110 35.8 19.0 57.0
 77 32.9 24.9 37.3

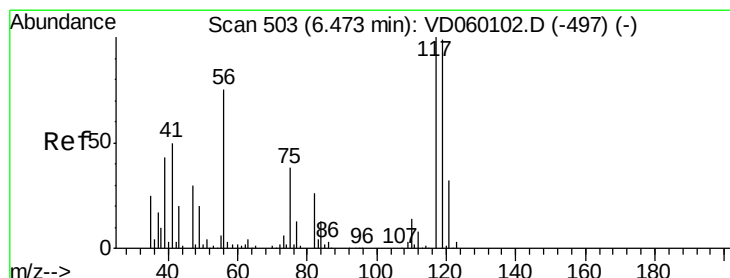
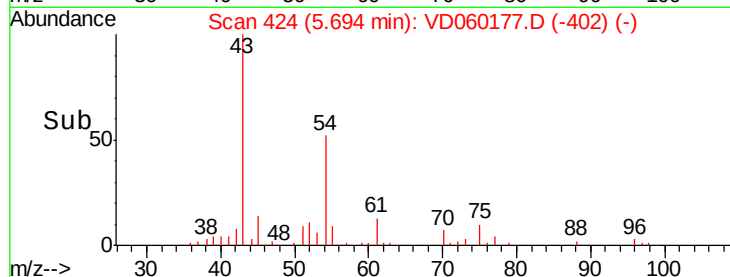
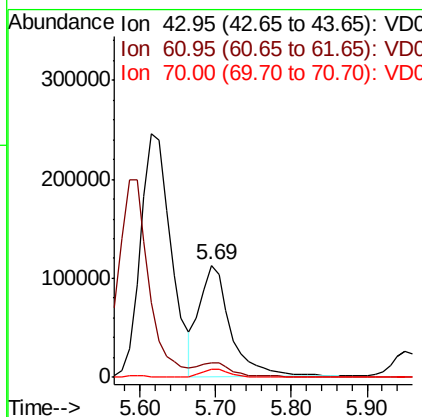
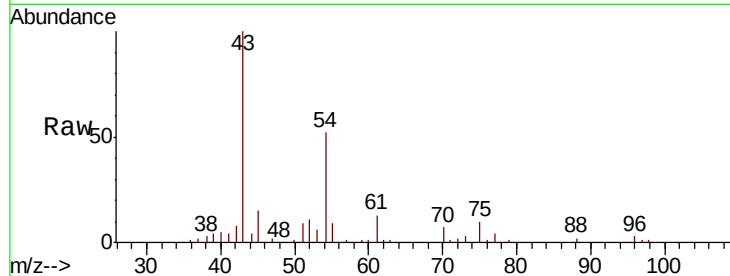




#37
Ethyl Acetate
Concen: 20.968 ug/l
RT: 5.69 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

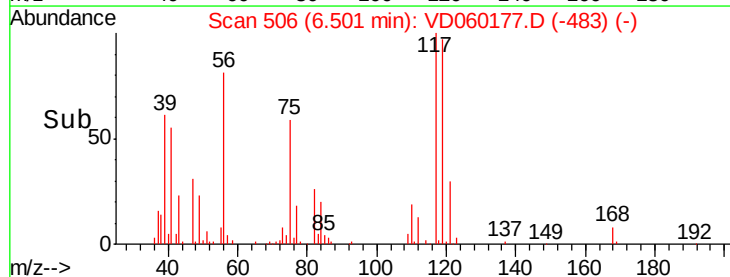
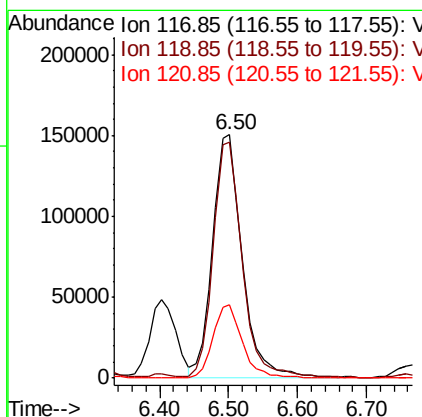
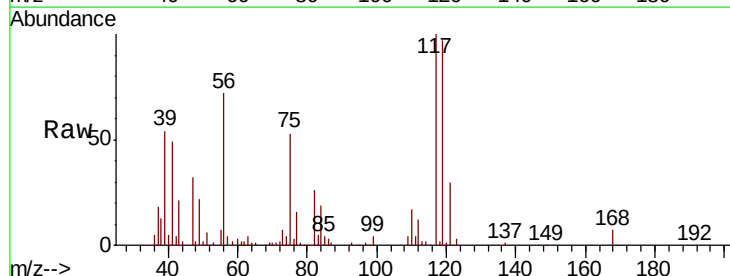
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

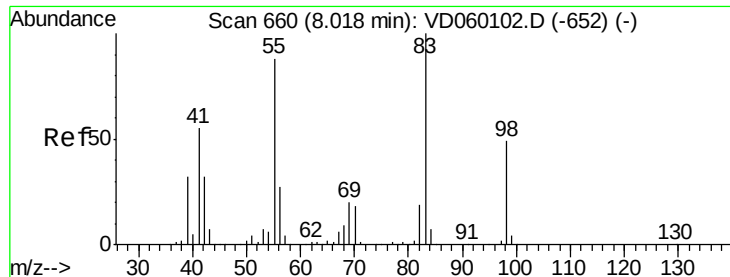
Tot Ion: 43 Resp: 319154
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 7.1 6.3 9.5



#38
Carbon Tetrachloride
Concen: 21.321 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 117 Resp: 443754
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.6
121 30.2 24.8 37.2

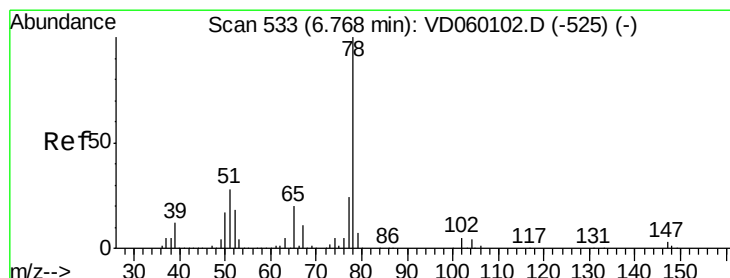
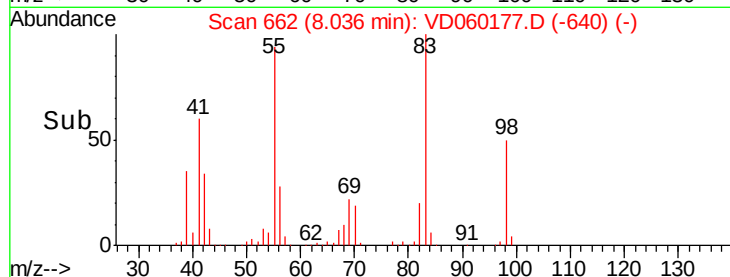
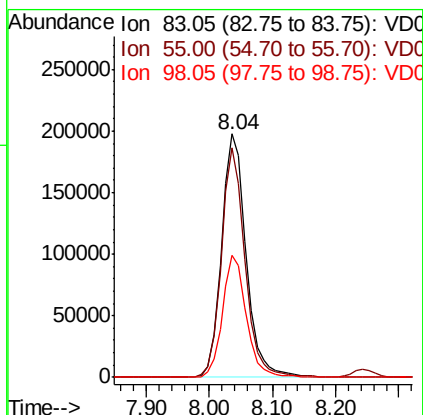
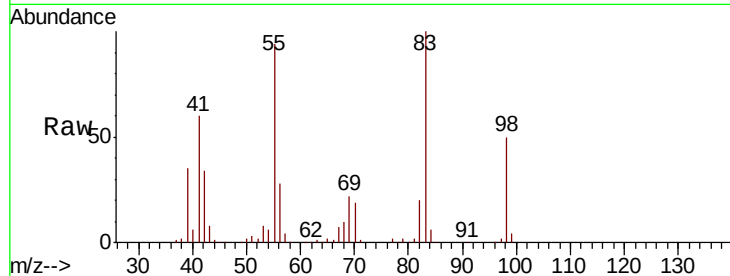




#39
Methylvlcyclohexane
Concen: 20.410 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

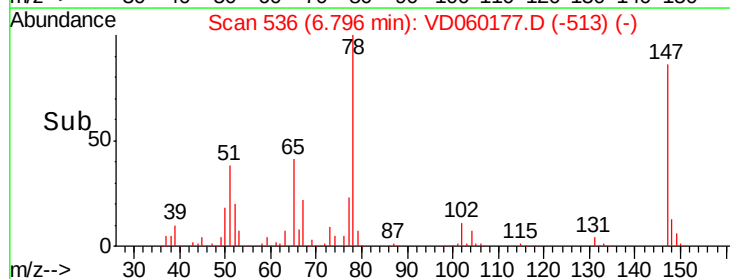
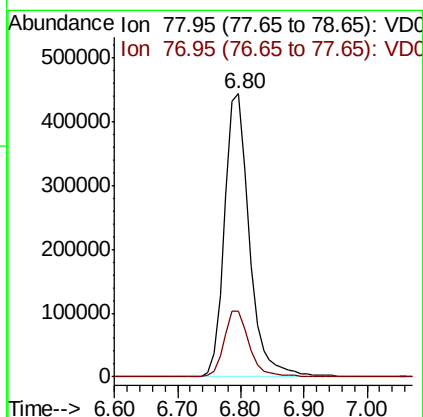
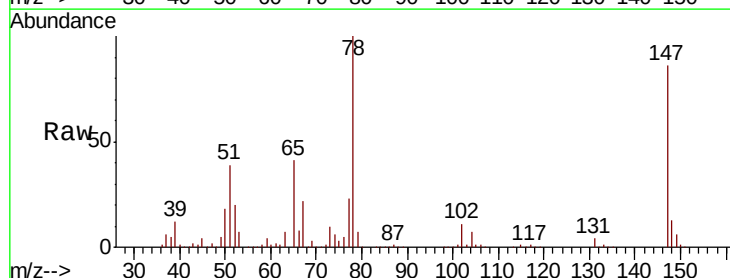
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

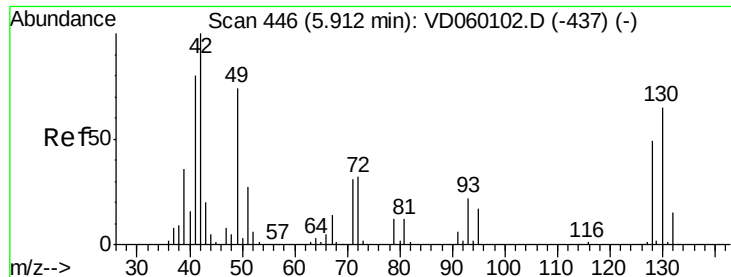
Tot Ion: 83 Resp: 531784
Ion Ratio Lower Upper
83 100
55 94.2 70.5 105.7
98 50.0 39.4 59.2



#40
Benzene
Concen: 20.182 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 78 Resp: 1210773
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 42.767 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 41 Resp: 367936

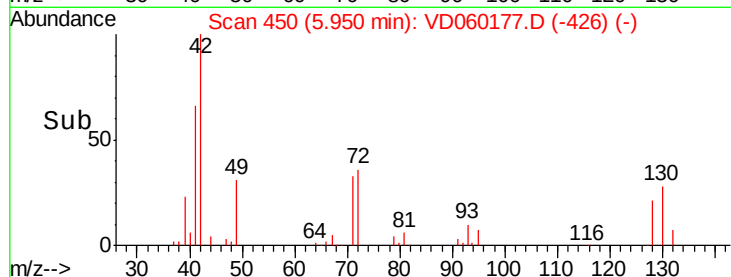
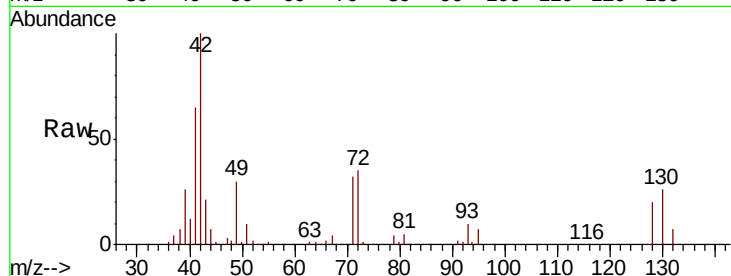
Ion Ratio Lower Upper

41 100

39 40.4 36.0 54.0

67 6.7 13.9 20.9#

52 3.4 6.1 9.1#

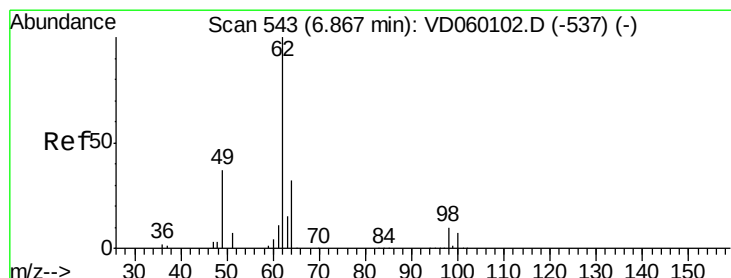
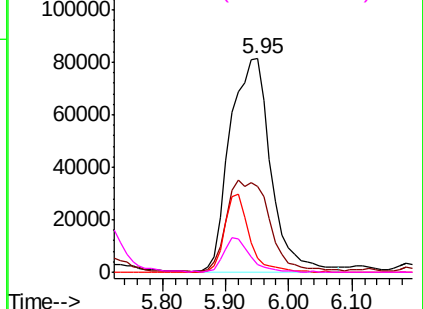


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.753 ug/l

RT: 6.89 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060177.D

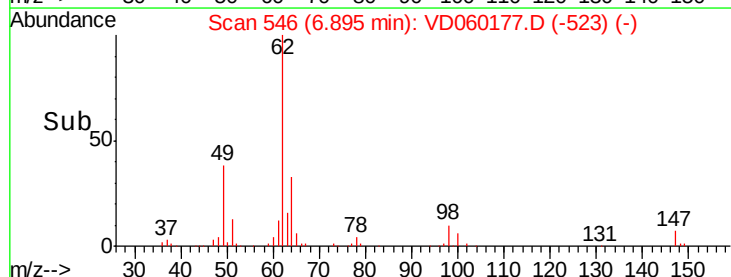
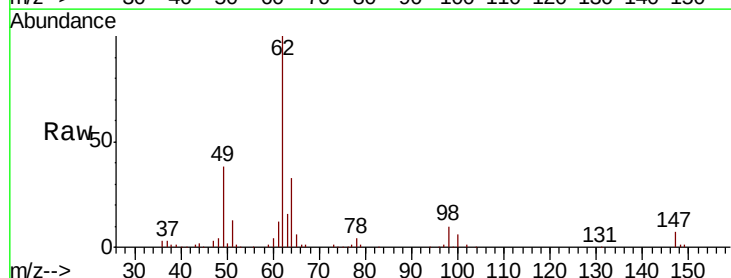
Acq: 24 Oct 2018 13:01

Tgt Ion: 62 Resp: 356948

Ion Ratio Lower Upper

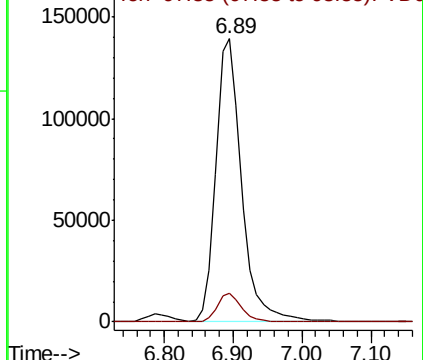
62 100

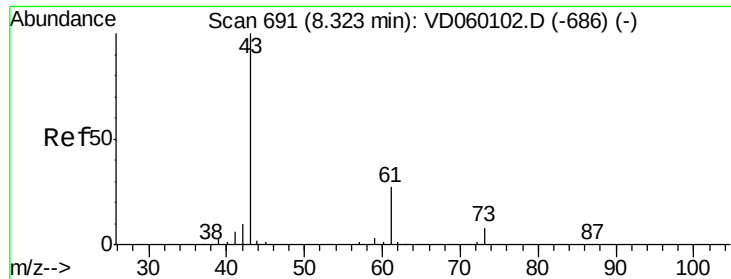
98 10.3 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



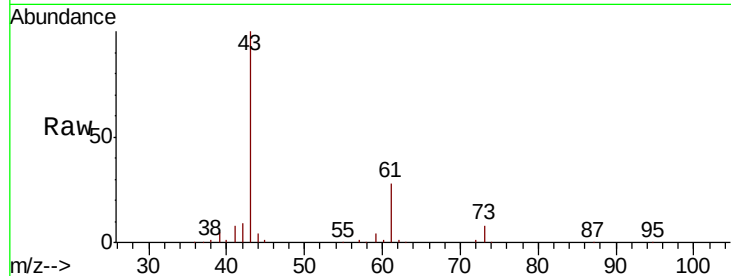


#43

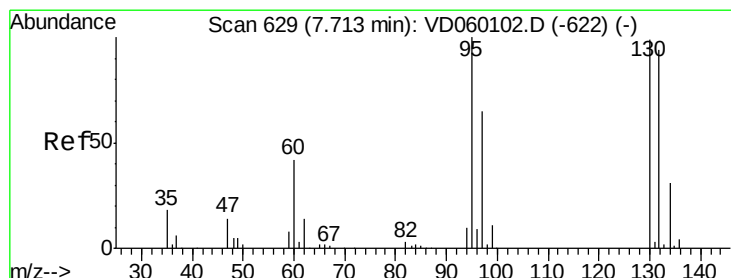
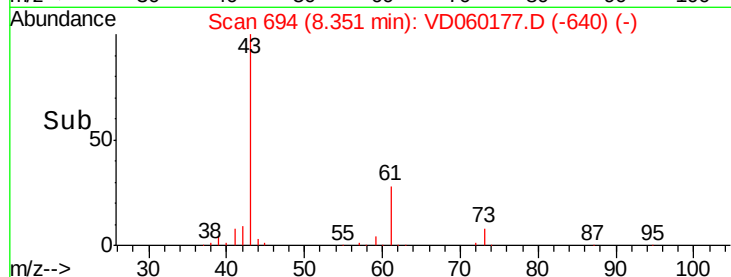
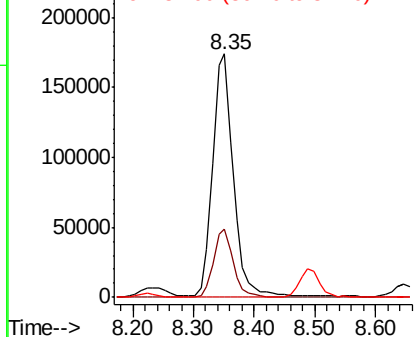
Isopropyl Acetate
 Concen: 20.422 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion: 43 Resp: 408938
 Ion Ratio Lower Upper
 43 100
 61 27.9 21.4 32.2
 87 0.3 0.2 0.2#



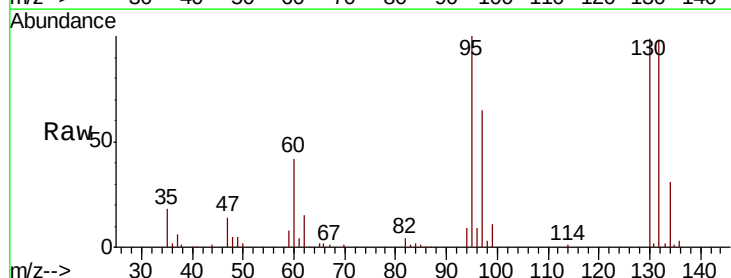
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



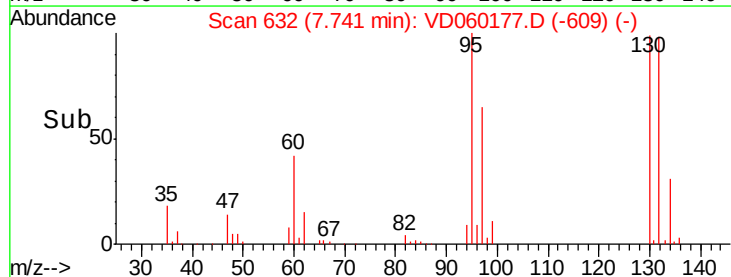
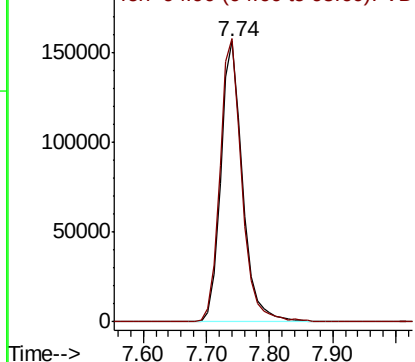
#44

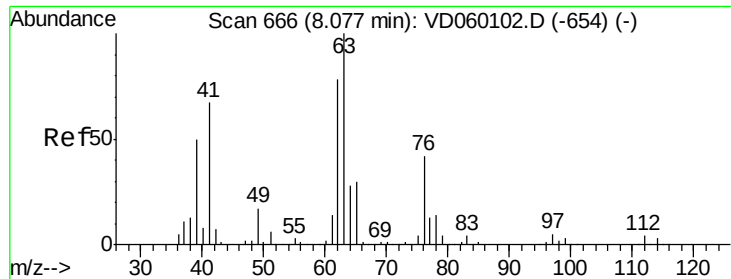
Trichloroethene
 Concen: 20.278 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 130 Resp: 376577
 Ion Ratio Lower Upper
 130 100
 95 101.0 0.0 202.2



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

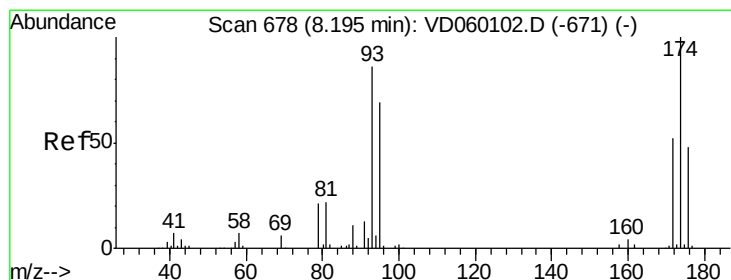
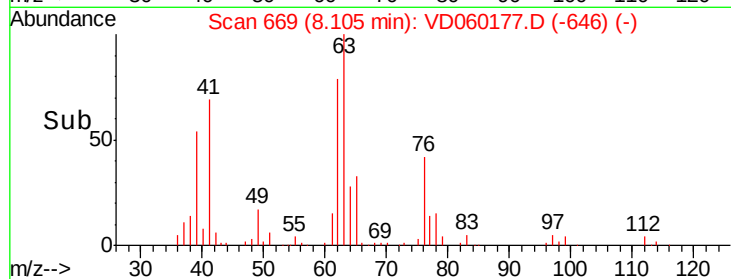
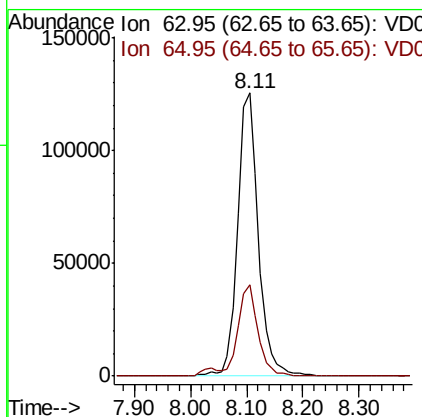
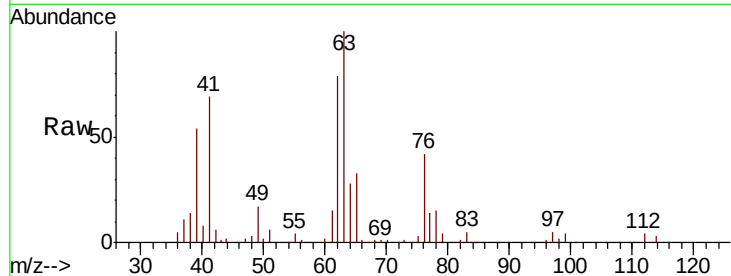




#45
 1,2-Dichloropropane
 Concen: 20.542 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

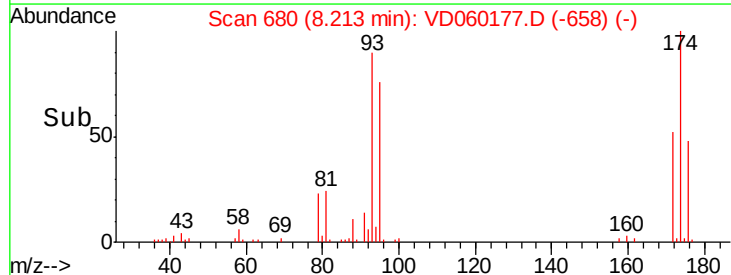
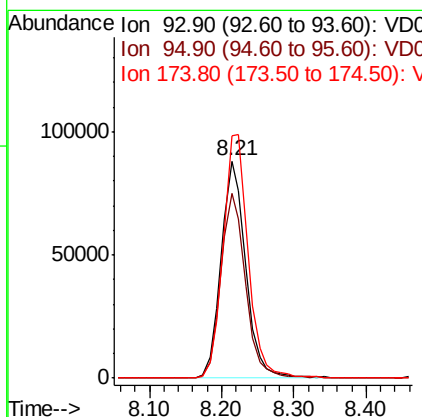
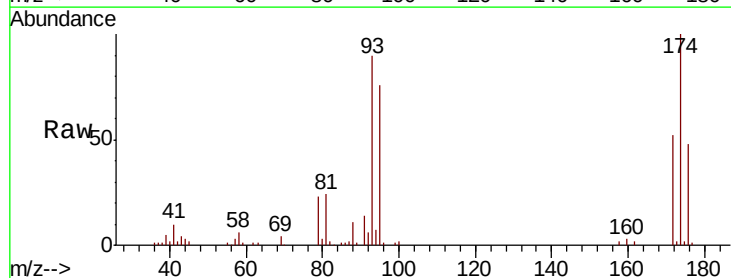
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

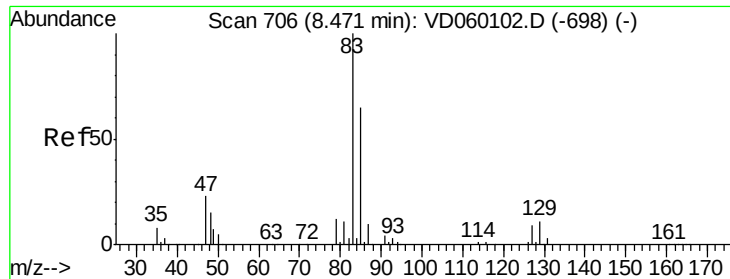
Tot Ion: 63 Resp: 322681
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.1 36.1



#46
 Dibromomethane
 Concen: 20.395 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 93 Resp: 207417
 Ion Ratio Lower Upper
 93 100
 95 85.2 63.8 95.6
 174 111.6 92.9 139.3





#47

Bromodichloromethane

Concen: 20.717 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

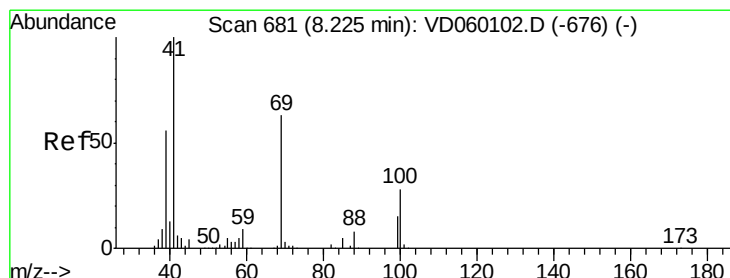
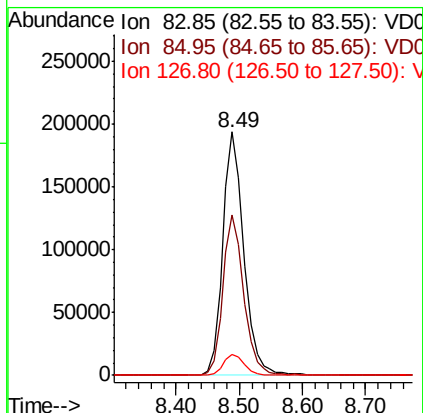
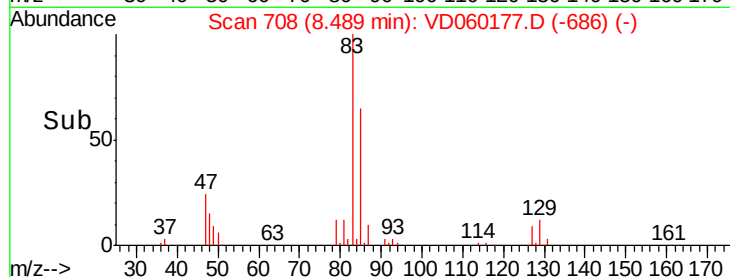
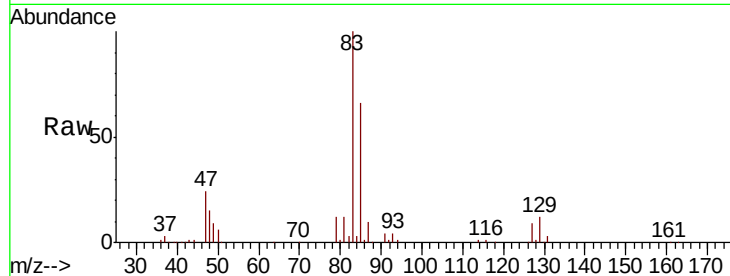
Tot Ion: 83 Resp: 448918

Ion Ratio Lower Upper

83 100

85 66.1 52.2 78.2

127 8.6 7.4 11.0



#48

Methyl methacrylate

Concen: 21.005 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

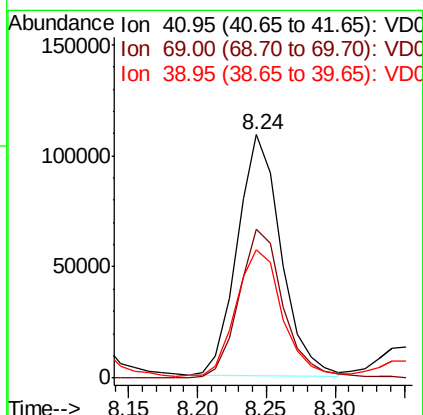
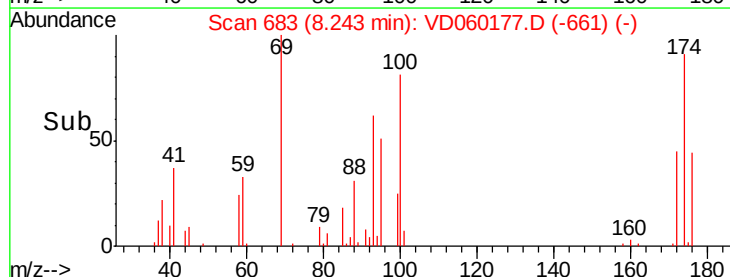
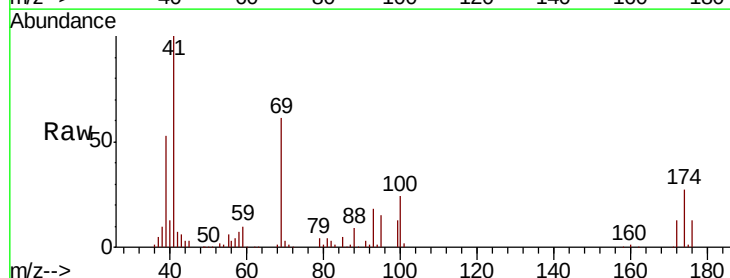
Tgt Ion: 41 Resp: 239595

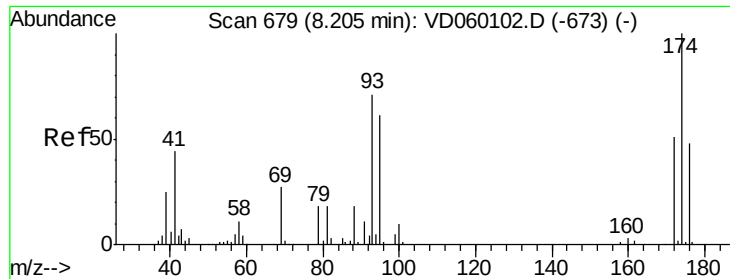
Ion Ratio Lower Upper

41 100

69 61.1 49.7 74.5

39 52.9 45.2 67.8





#49

1,4-Dioxane

Concen: 403.965 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

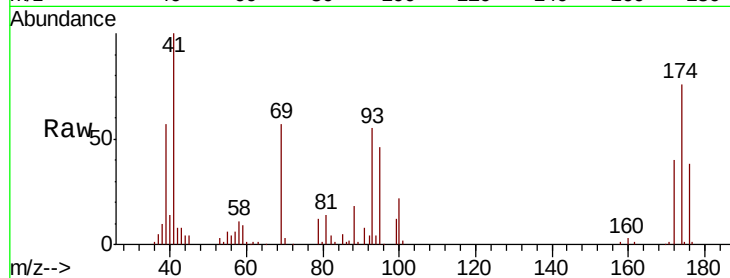
Tot Ion: 88 Resp: 45337

Ion Ratio Lower Upper

88 100

43 45.3 33.7 50.5

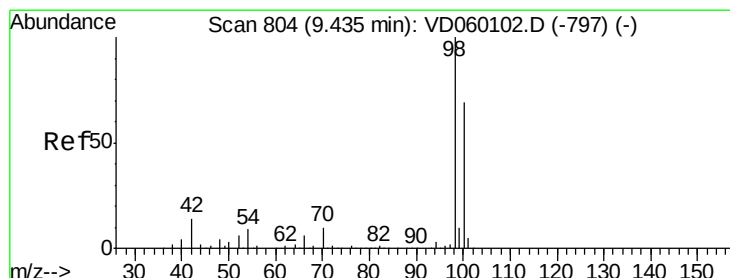
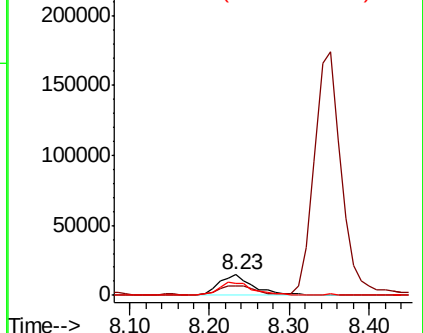
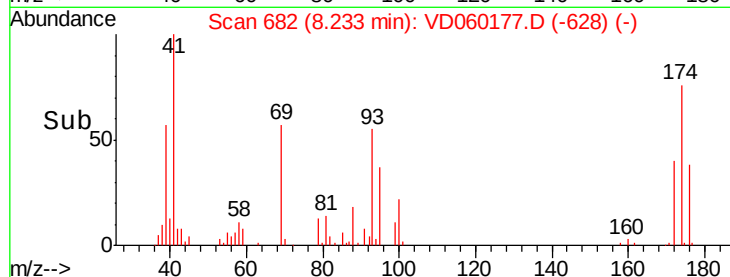
58 61.1 49.1 73.7



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: 403.965 ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060177.D

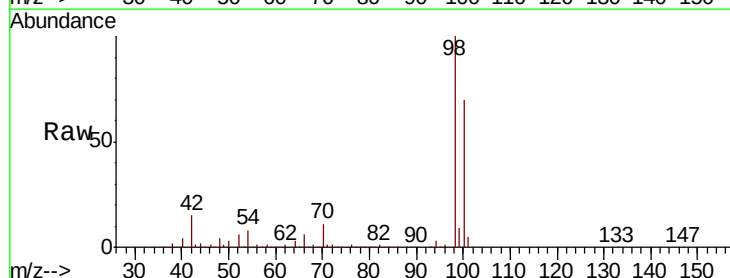
Acq: 24 Oct 2018 13:01

Tgt Ion: 98 Resp: 2414381

Ion Ratio Lower Upper

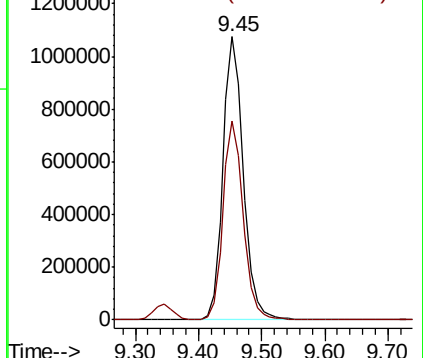
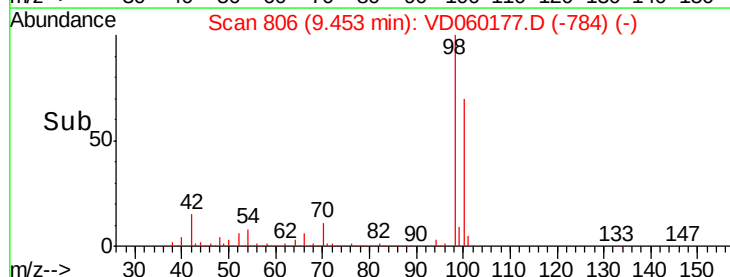
98 100

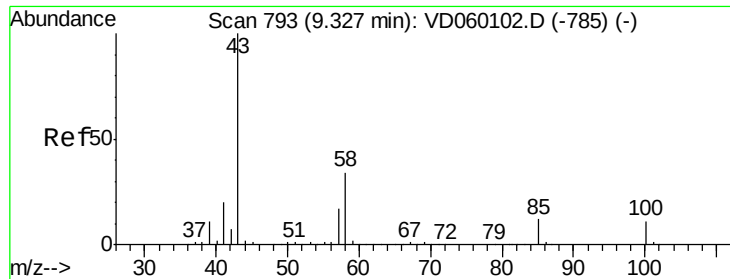
100 70.2 55.4 83.0



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: 104.952 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

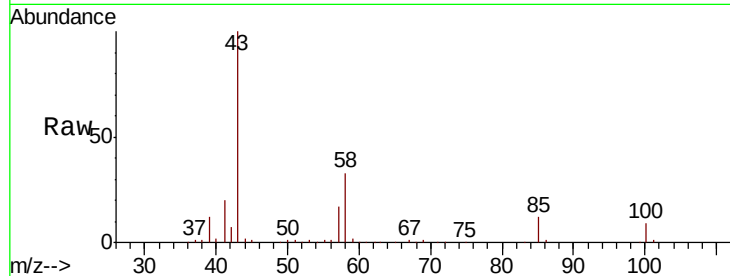
VD1024SBS01

Tot Ion: 43 Resp: 1325570

Ion Ratio Lower Upper

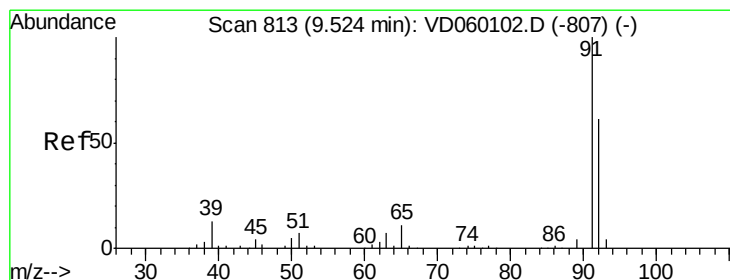
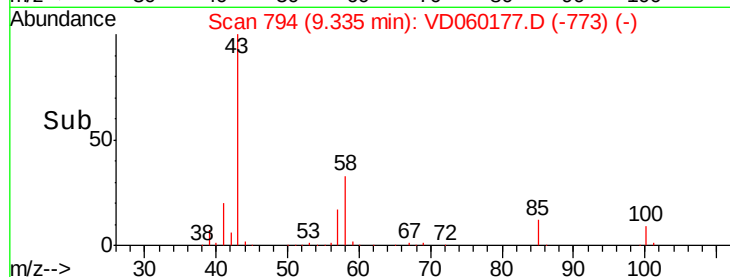
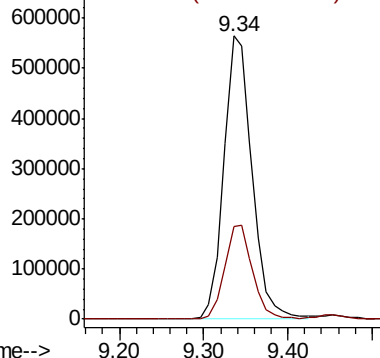
43 100

58 32.8 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.909 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060177.D

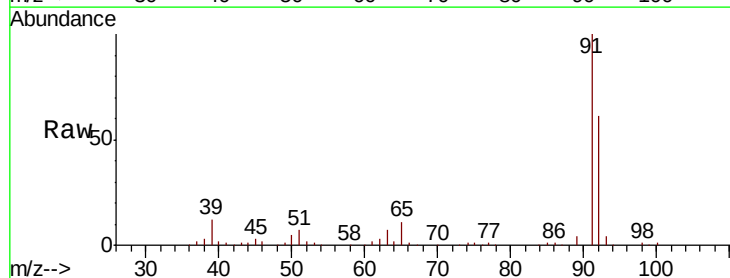
Acq: 24 Oct 2018 13:01

Tgt Ion: 92 Resp: 807859

Ion Ratio Lower Upper

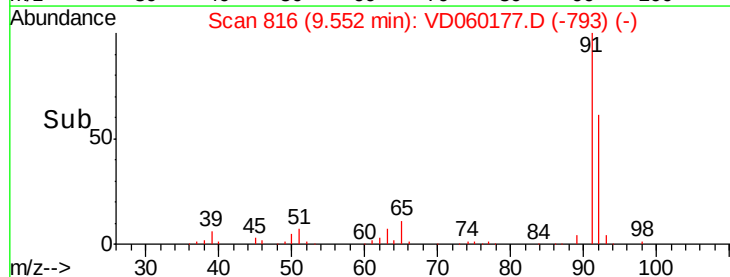
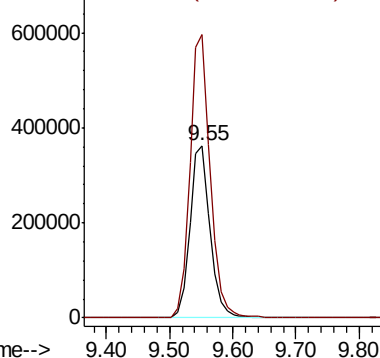
92 100

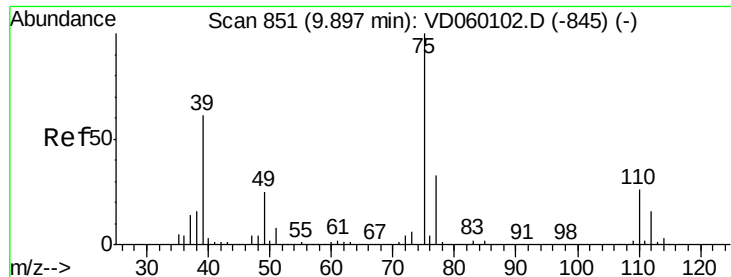
91 164.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.466 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

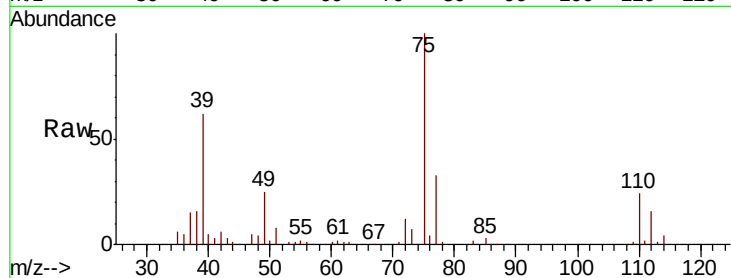
VD1024SBS01

Tot Ion: 75 Resp: 420894

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

200000

150000

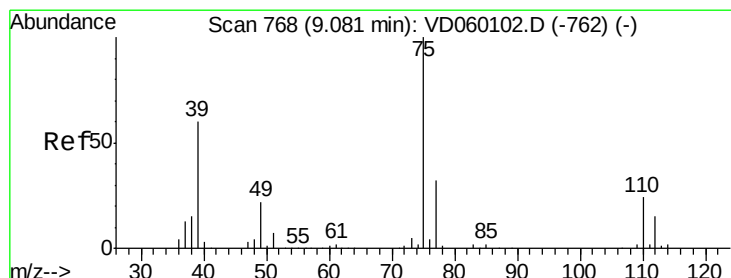
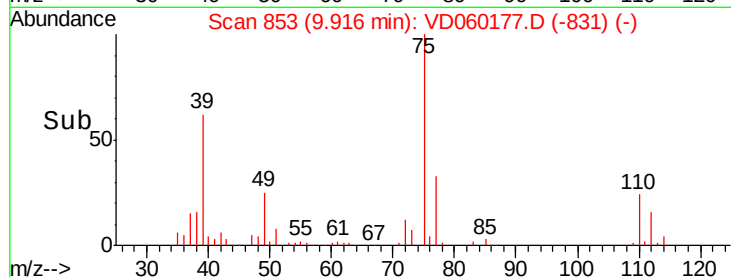
100000

50000

0

9.80 9.90 10.00 10.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.611 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

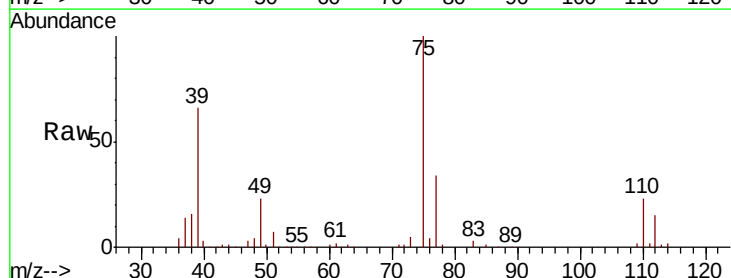
Tgt Ion: 75 Resp: 499045

Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5

39 65.8 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

9.10

300000

250000

200000

150000

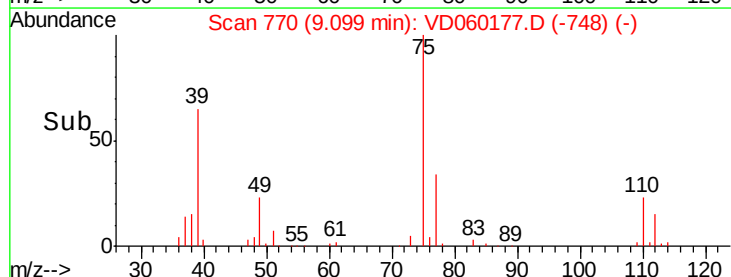
100000

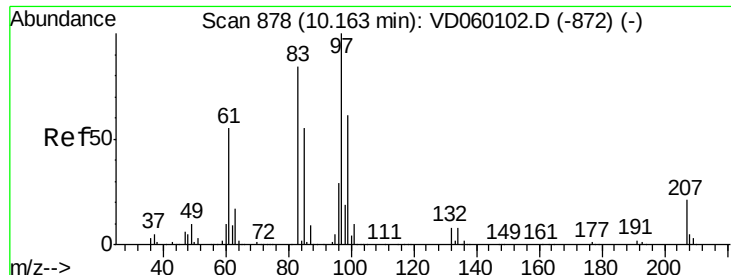
50000

0

9.00 9.10 9.20 9.30

Time-->

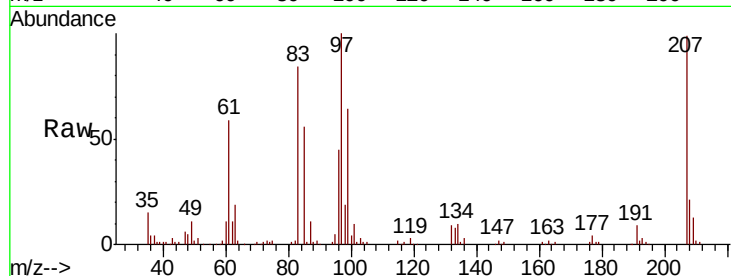




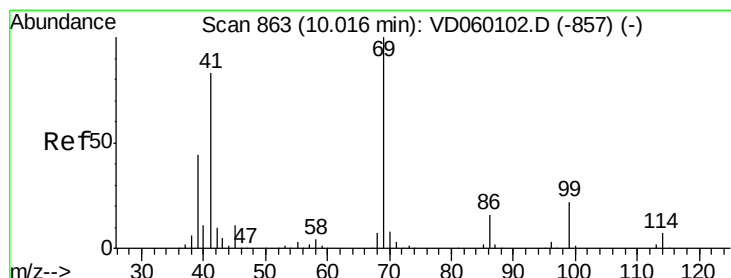
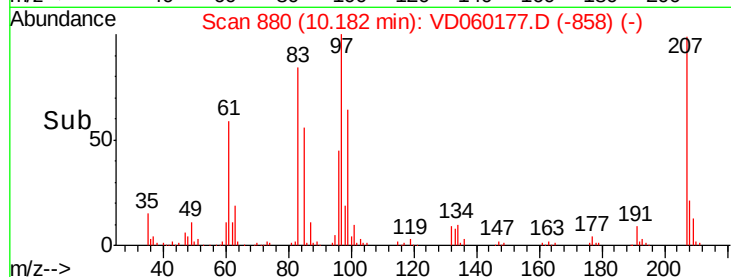
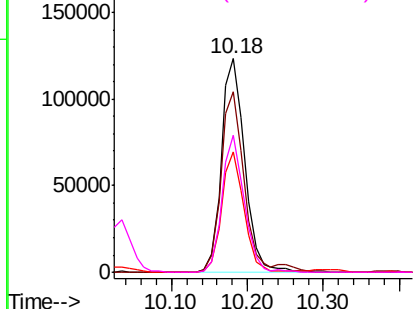
#55
 1,1,2-Trichloroethane
 Concen: 20.857 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion:	97	Resp:	263444
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	56.2	43.9	65.9
99	63.9	49.1	73.7

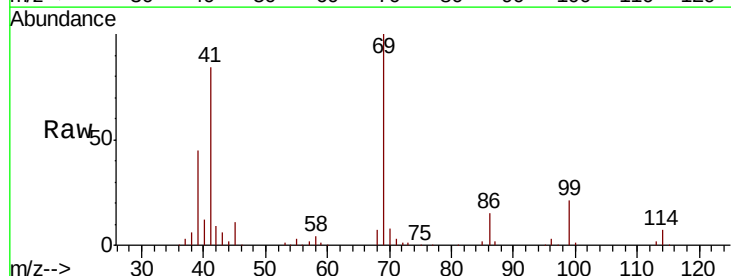


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

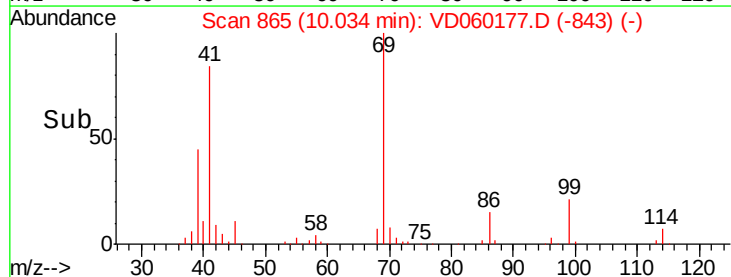
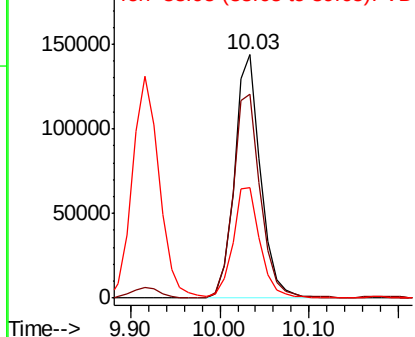


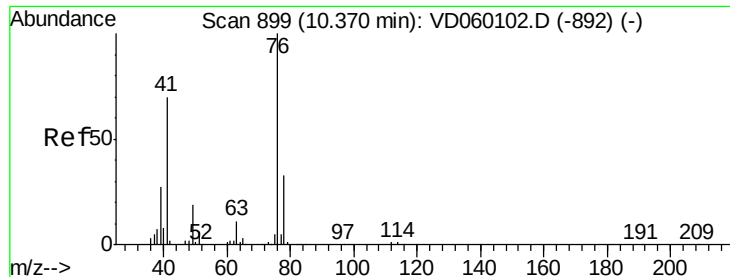
#56
 Ethyl methacrylate
 Concen: 20.902 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion:	69	Resp:	291426
Ion	Ratio	Lower	Upper
69	100		
41	83.8	66.6	100.0
39	45.4	36.0	54.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

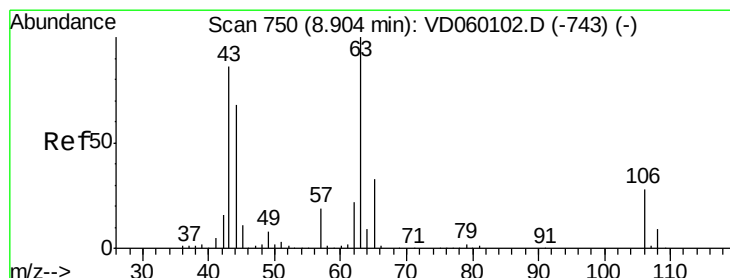
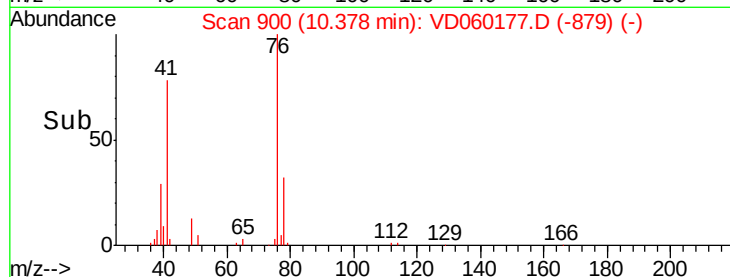
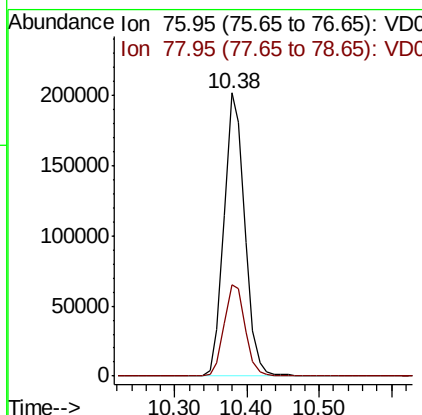
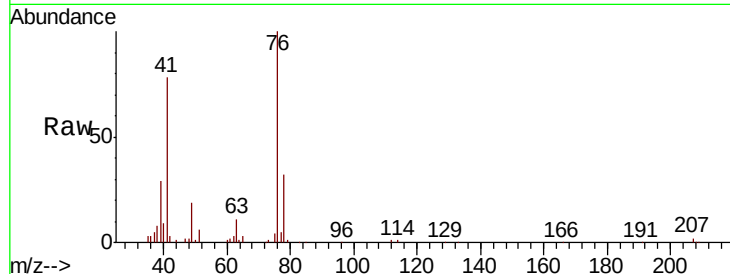




#57
 1,3-Dichloropropane
 Concen: 20.914 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

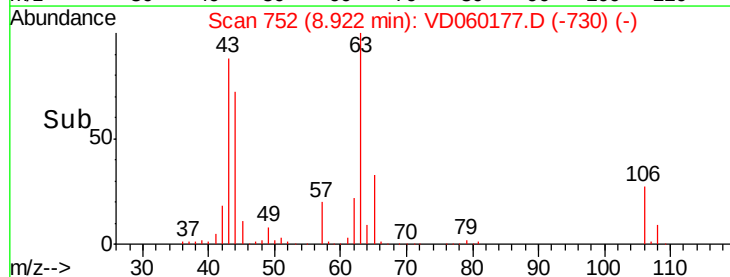
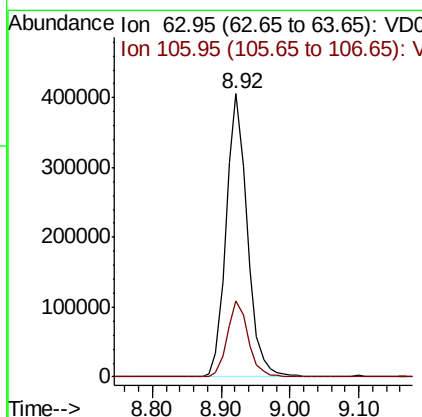
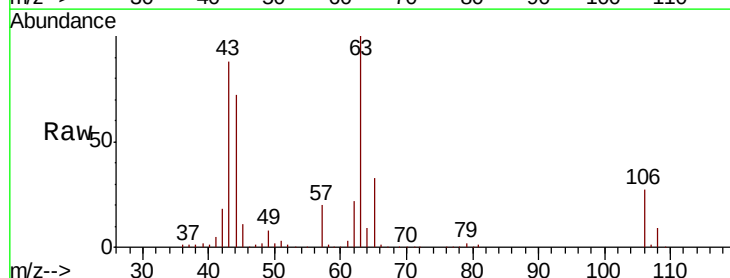
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

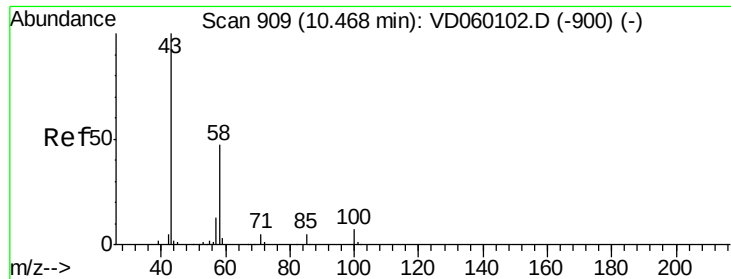
Tot Ion: 76 Resp: 402876
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.390 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 63 Resp: 862438
 Ion Ratio Lower Upper
 63 100
 106 26.6 22.6 34.0

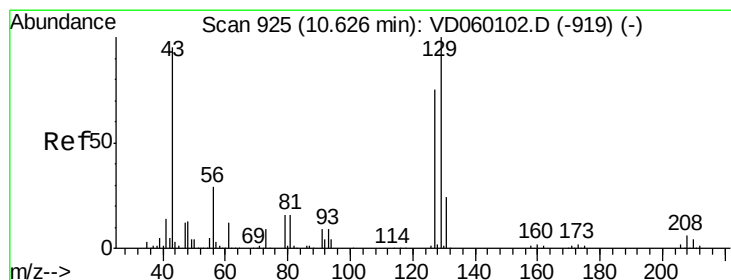
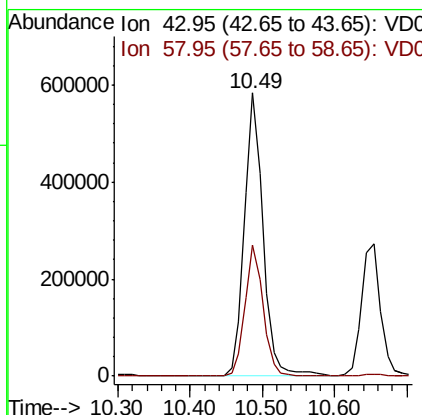
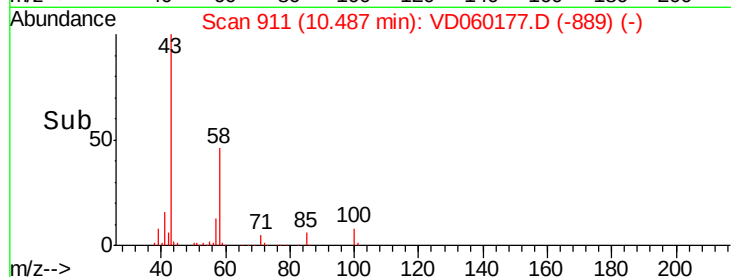
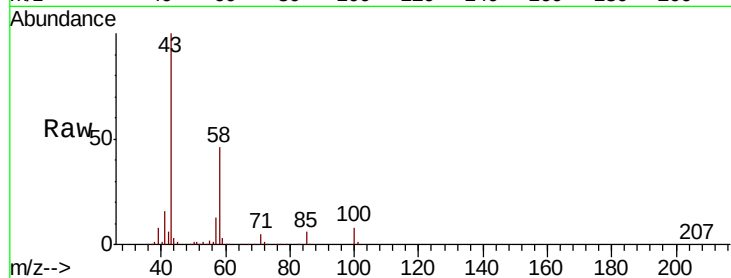




#59
2-Hexanone
Concen: 116.914 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

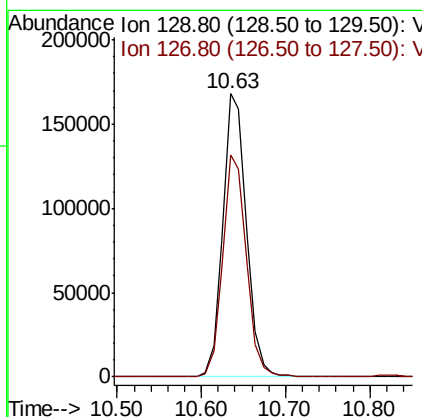
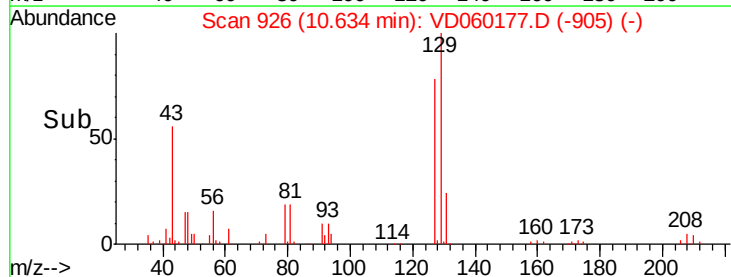
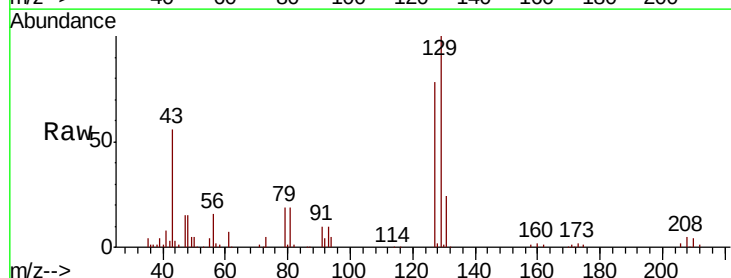
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

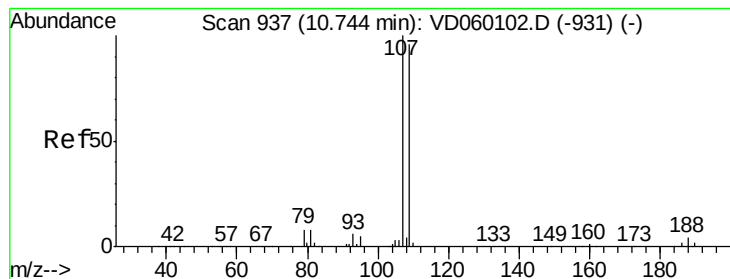
Tot Ion: 43 Resp: 1061831
Ion Ratio Lower Upper
43 100
58 46.2 23.3 69.9



#60
Dibromochloromethane
Concen: 20.988 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 129 Resp: 325258
Ion Ratio Lower Upper
129 100
127 78.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 20.468 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

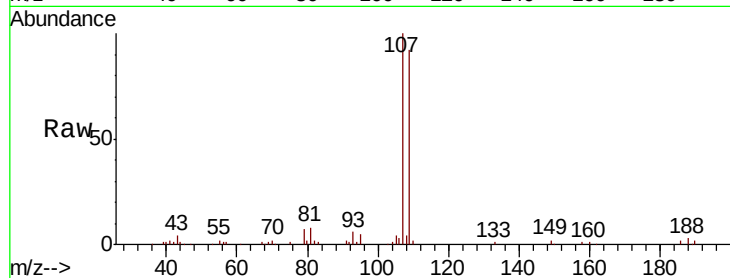
VD1024SBS01

Tot Ion:107 Resp: 274690

Ion Ratio Lower Upper

107 100

109 92.1 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

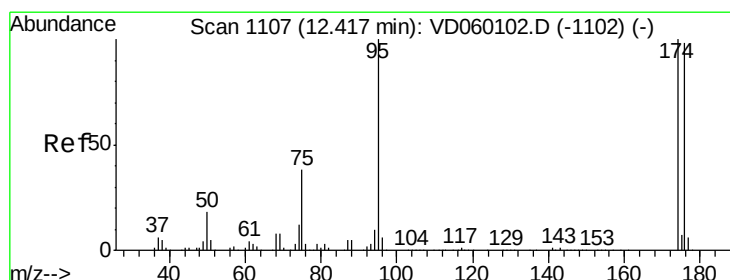
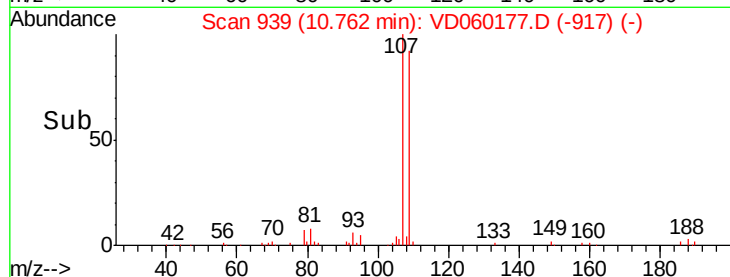
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.468 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

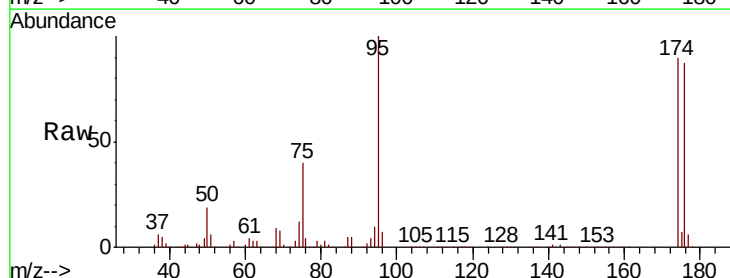
Tgt Ion: 95 Resp: 915542

Ion Ratio Lower Upper

95 100

174 89.6 0.0 200.2

176 87.2 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

12.43

800000

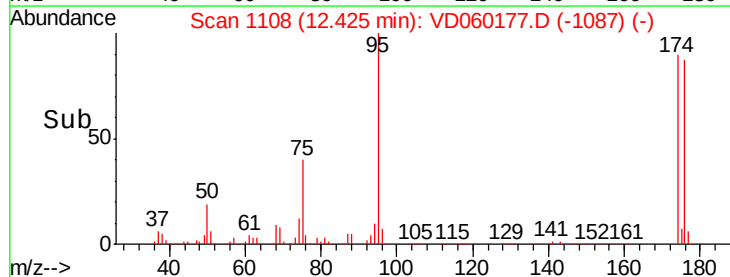
600000

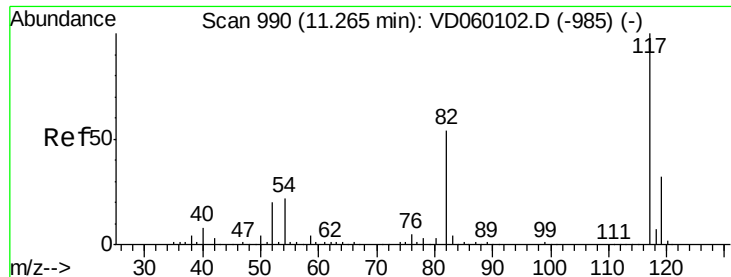
400000

200000

0

Time-->

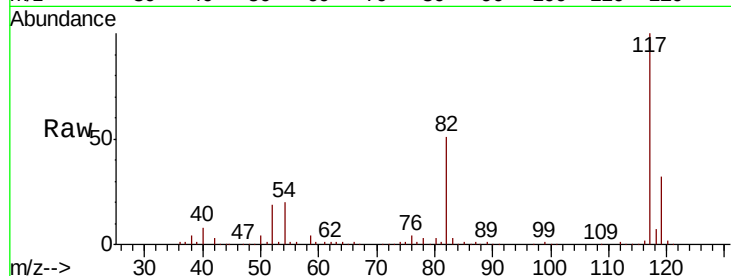




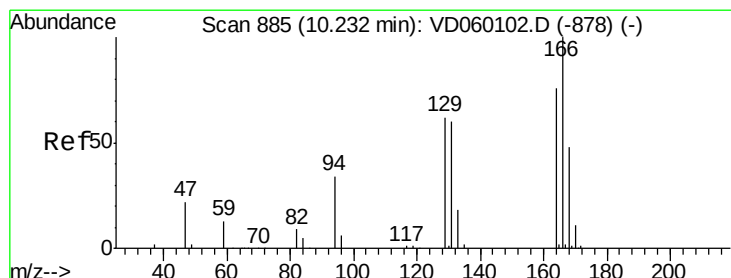
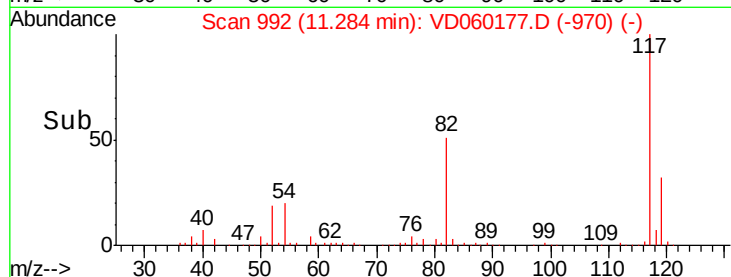
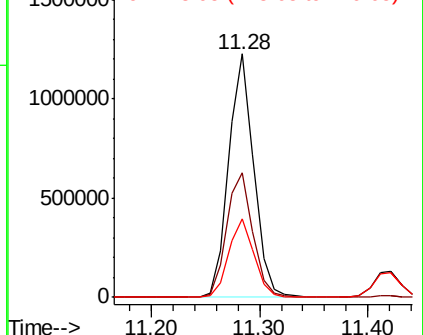
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion:117 Resp: 1980944
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.2
119 32.4 26.0 39.0

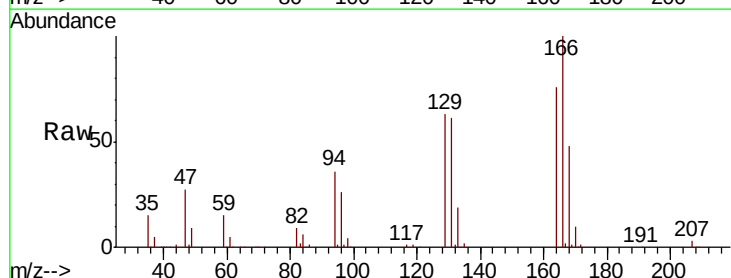


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

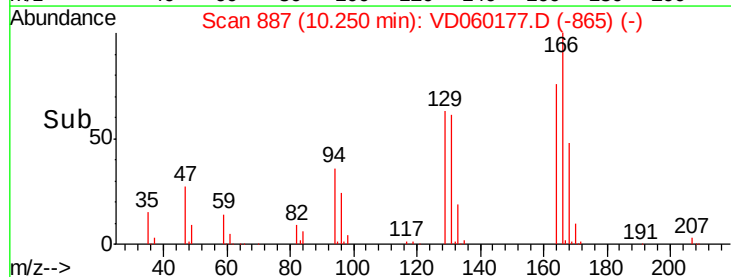
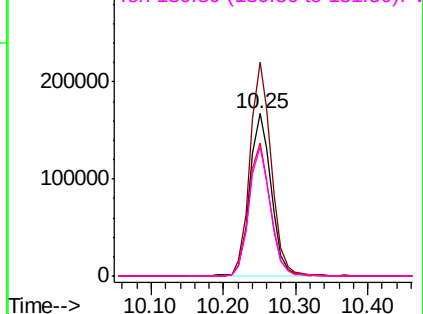


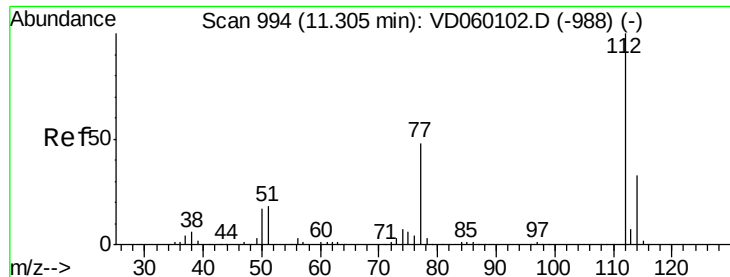
#64
Tetrachloroethene
Concen: 20.090 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion:164 Resp: 348571
Ion Ratio Lower Upper
164 100
166 131.5 105.4 158.0
129 82.3 65.7 98.5
131 79.8 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

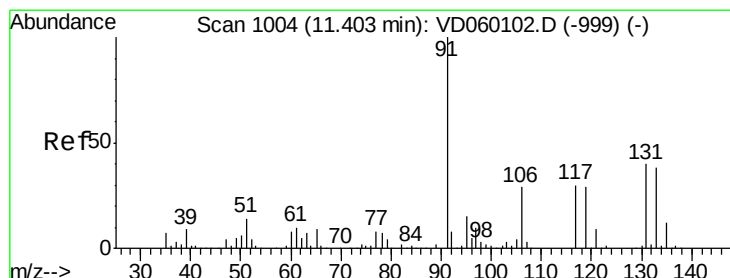
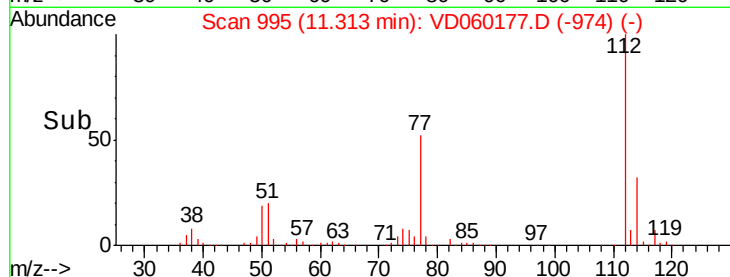
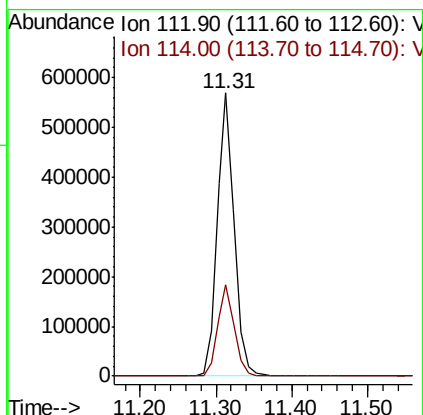
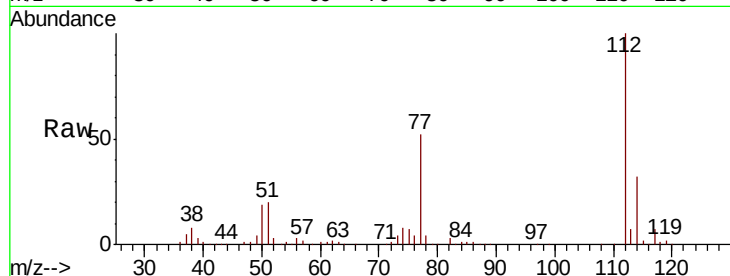




#65
Chlorobenzene
Concen: 20.853 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

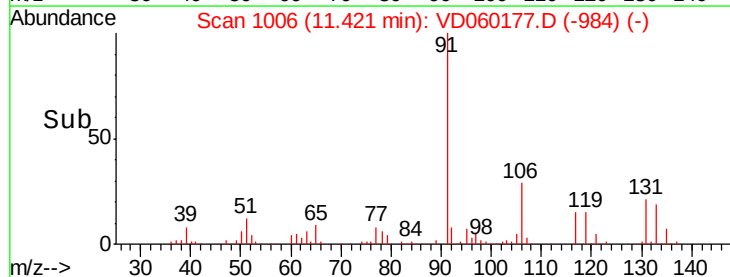
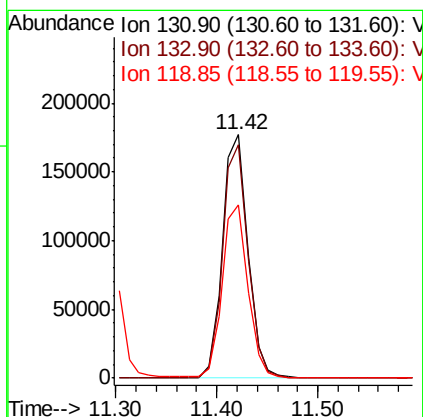
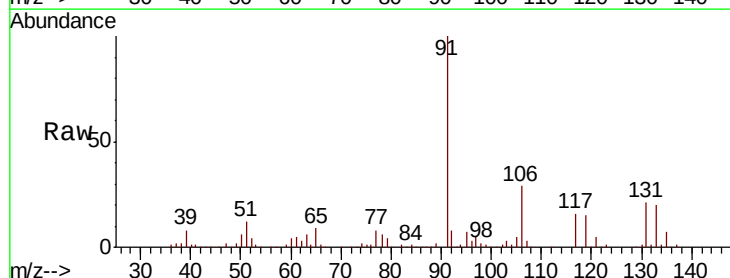
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

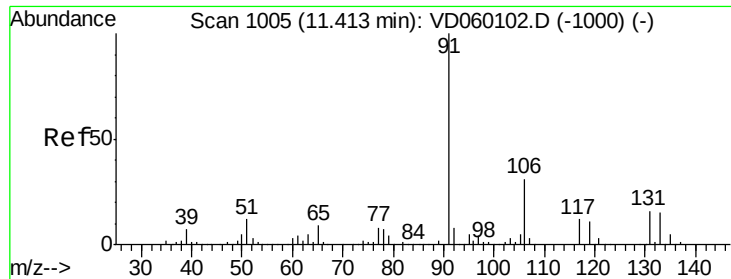
Tot Ion:112 Resp: 893655
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.777 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion:131 Resp: 311338
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 71.2 36.1 108.3

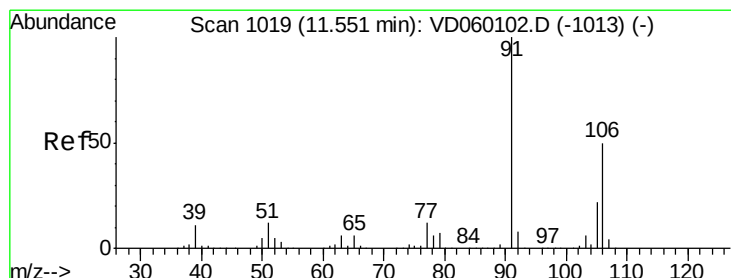
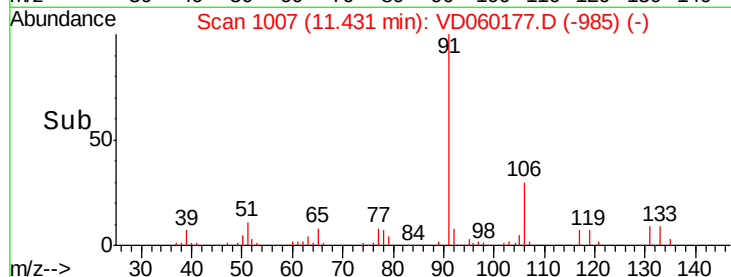
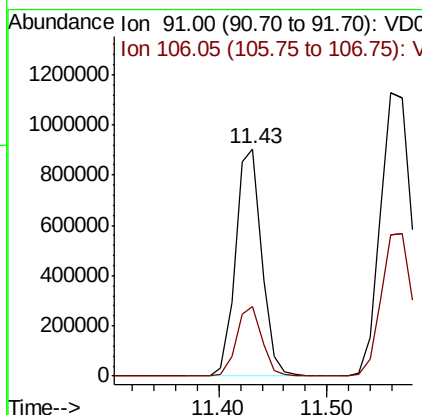
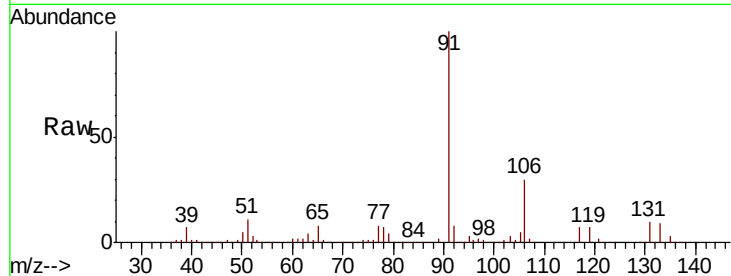




#67
Ethyl Benzene
Concen: 21.906 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

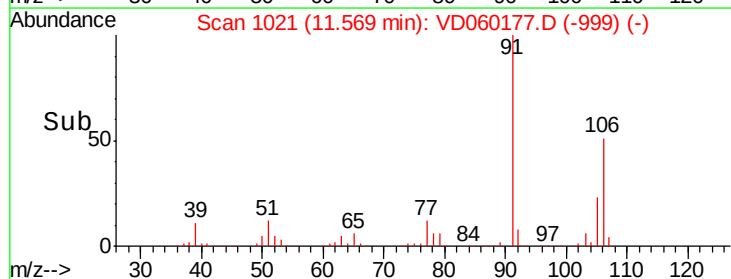
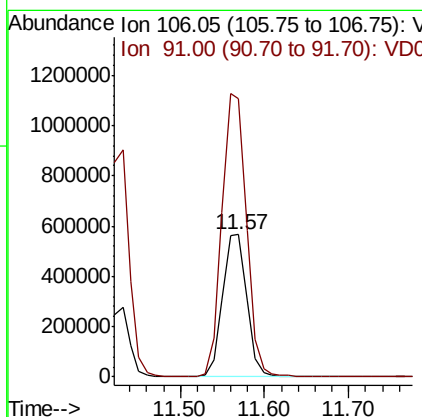
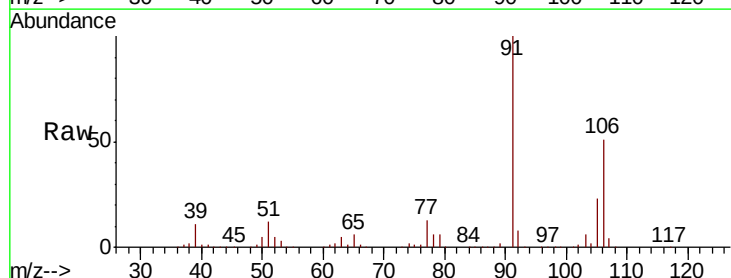
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

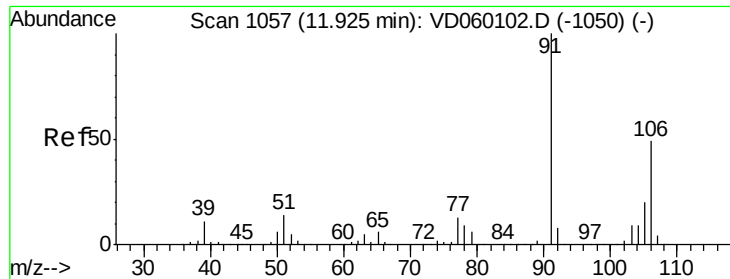
Tot Ion: 91 Resp: 1521010
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6



#68
m/p-Xylenes
Concen: 43.527 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 106 Resp: 1129198
Ion Ratio Lower Upper
106 100
91 195.7 160.0 240.0

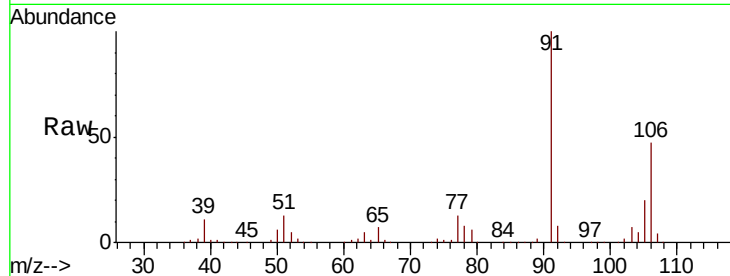




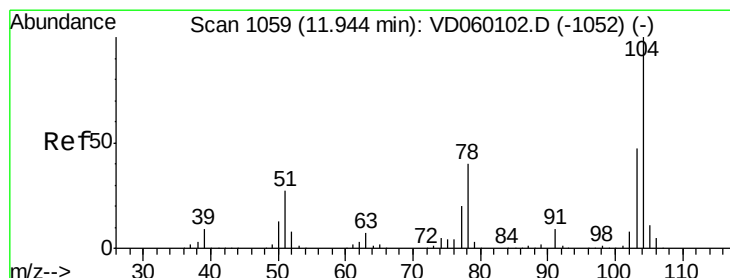
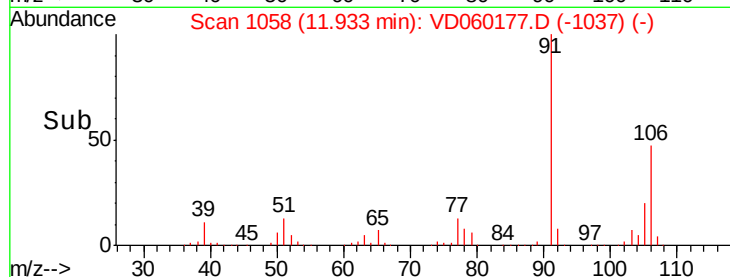
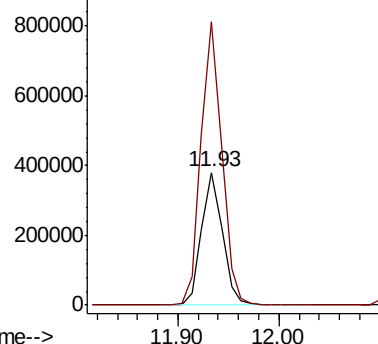
#69
o-Xylene
Concen: 21.379 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion:106 Resp: 548602
Ion Ratio Lower Upper
106 100
91 213.8 102.5 307.5

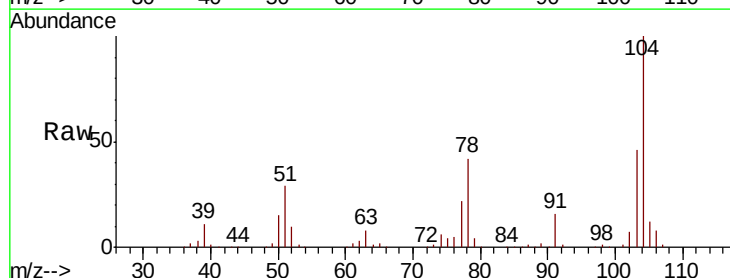


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

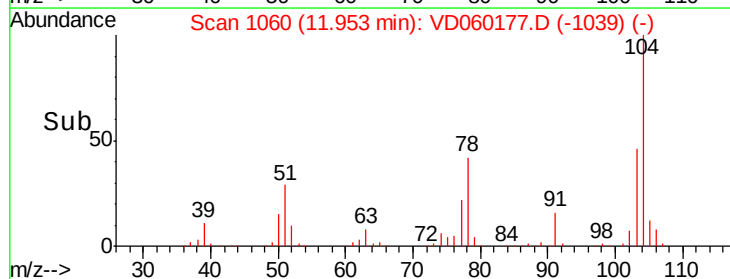
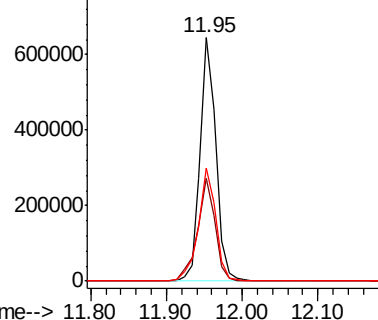


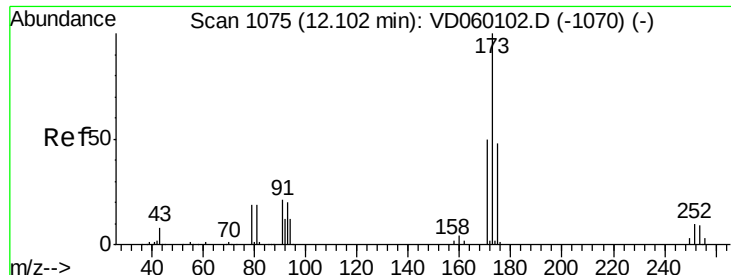
#70
Styrene
Concen: 21.607 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion:104 Resp: 927223
Ion Ratio Lower Upper
104 100
78 42.2 32.2 48.4
103 46.4 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





#71

Bromoform

Concen: 19.918 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

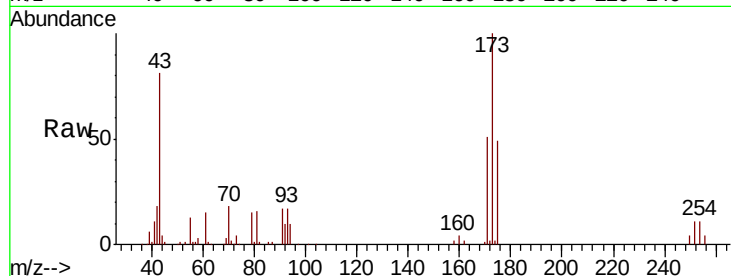
Tot Ion:173 Resp: 230586

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.4

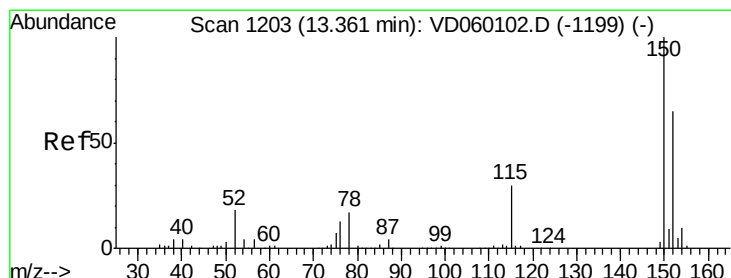
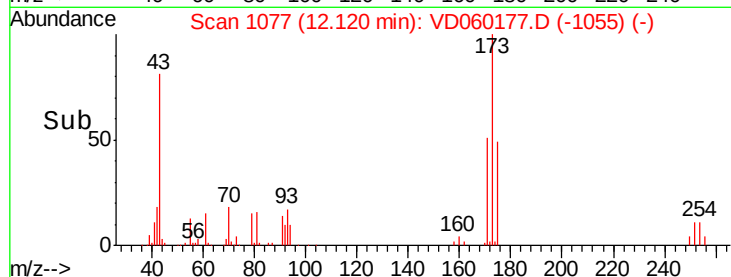
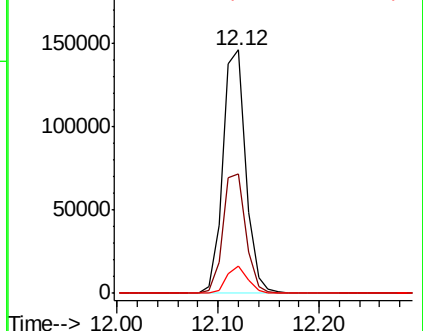
254 11.3 7.4 11.0#



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# 1204

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

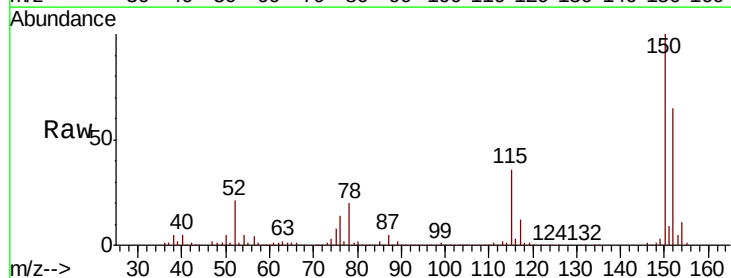
Tgt Ion:152 Resp: 1005971

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.2

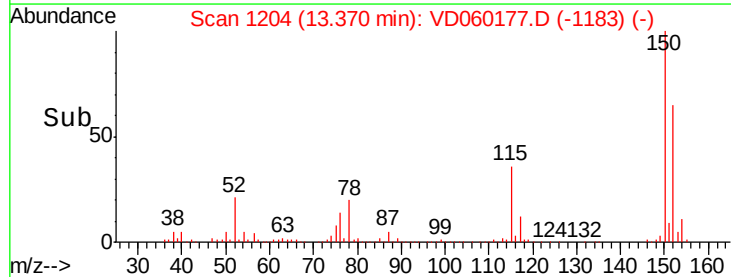
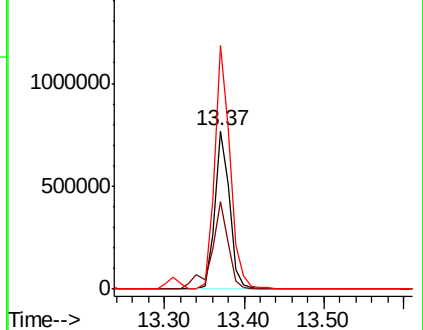
150 154.2 0.0 311.8

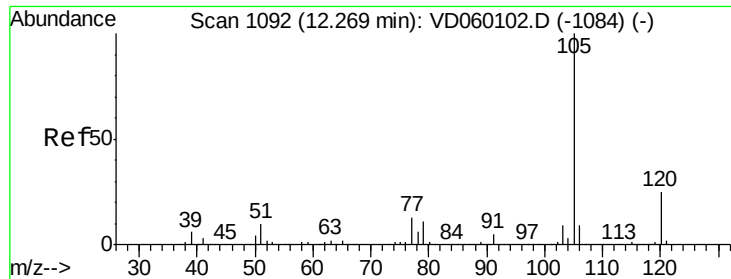


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.584 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

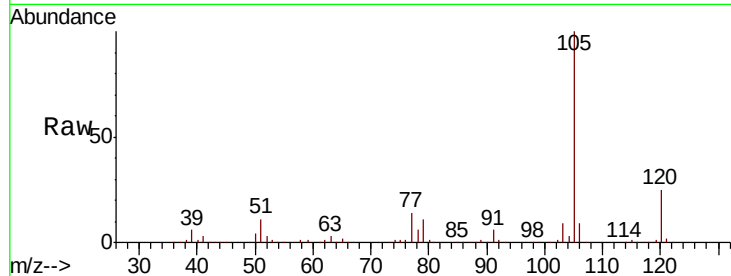
VD1024SBS01

Tot Ion:105 Resp: 1432447

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

1200000

1000000

800000

600000

400000

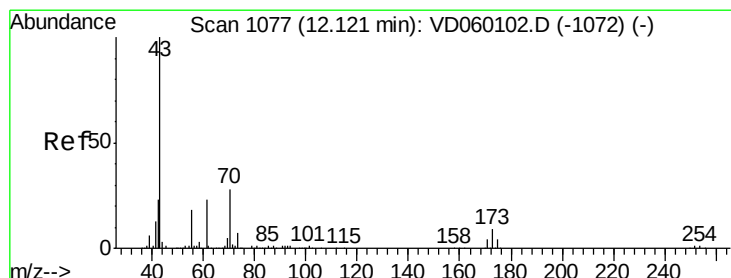
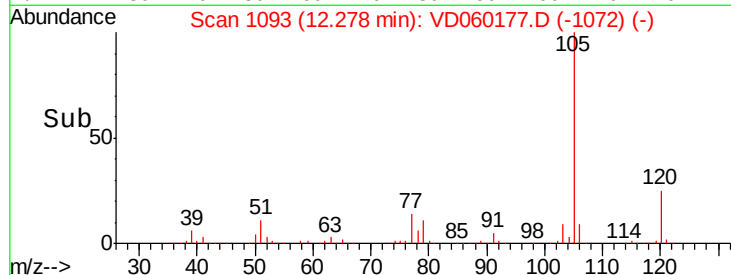
200000

0

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.493 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion: 43 Resp: 522482

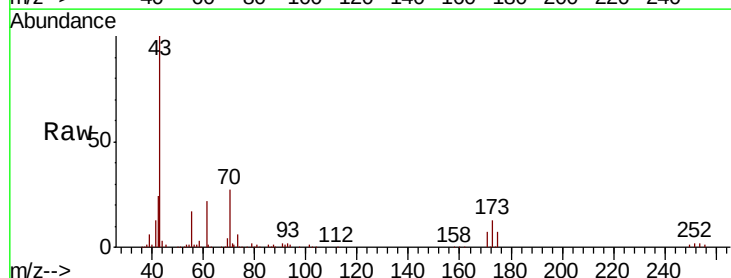
Ion Ratio Lower Upper

43 100

70 26.8 22.1 33.1

55 17.0 14.1 21.1

61 21.7 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

300000

200000

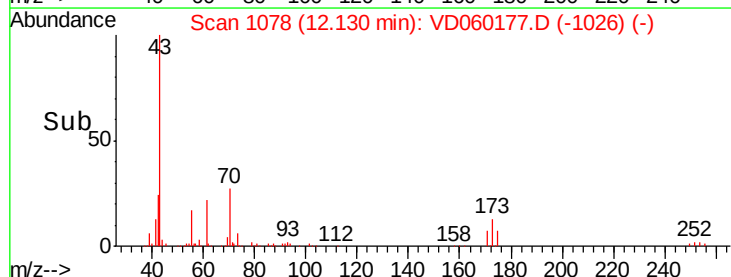
100000

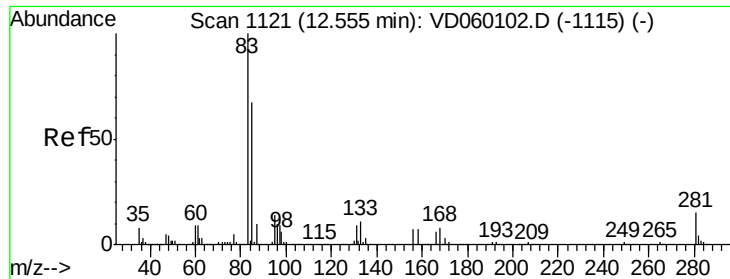
0

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.648 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

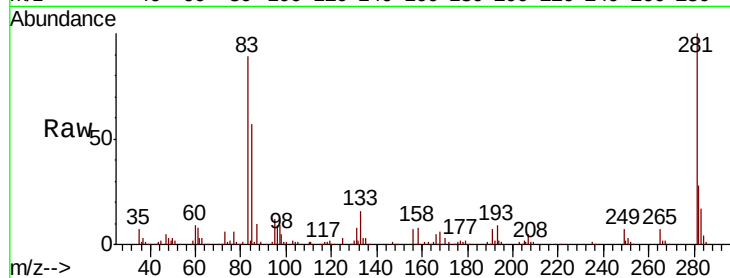
Tot Ion: 83 Resp: 313653

Ion Ratio Lower Upper

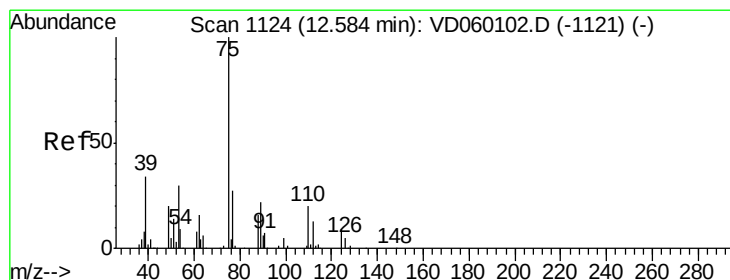
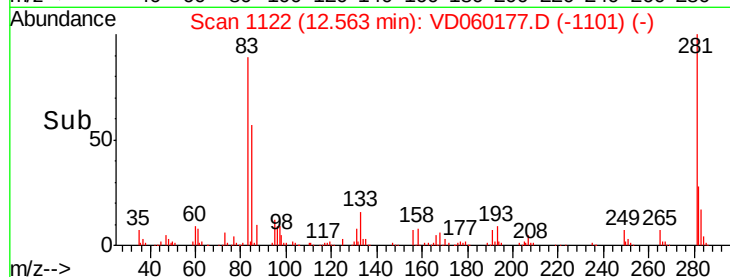
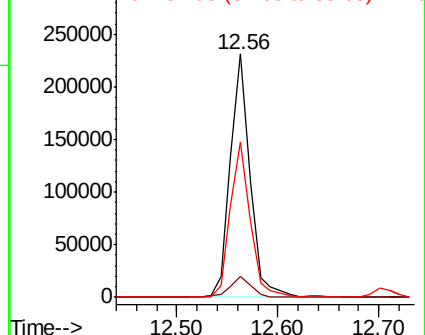
83 100

131 8.6 4.5 13.4

85 63.8 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: 22.005 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060177.D

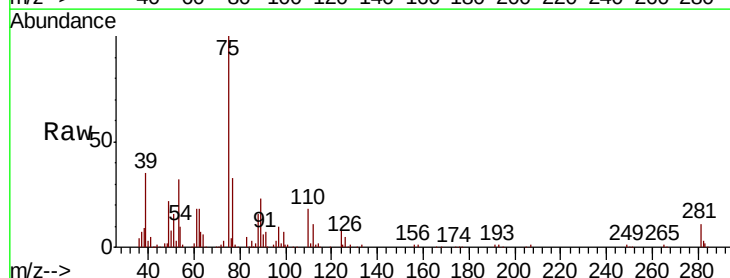
Acq: 24 Oct 2018 13:01

Tgt Ion: 75 Resp: 318794

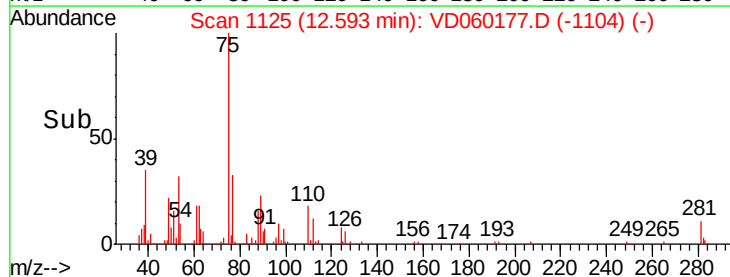
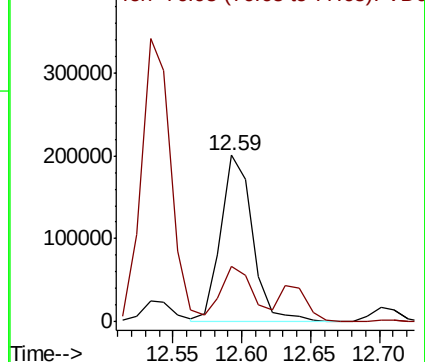
Ion Ratio Lower Upper

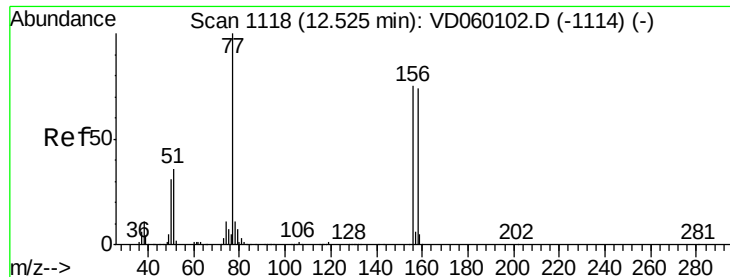
75 100

77 33.1 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: 21.244 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

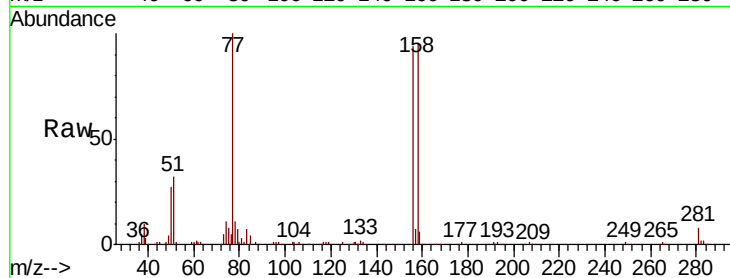
Tot Ion:156 Resp: 409701

Ion Ratio Lower Upper

156 100

77 106.5 66.9 200.7

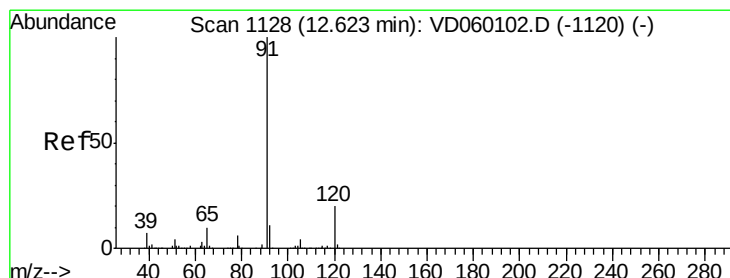
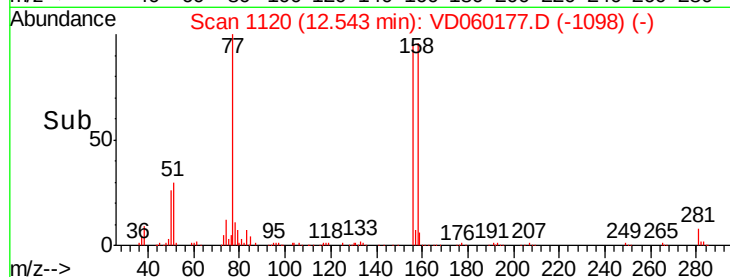
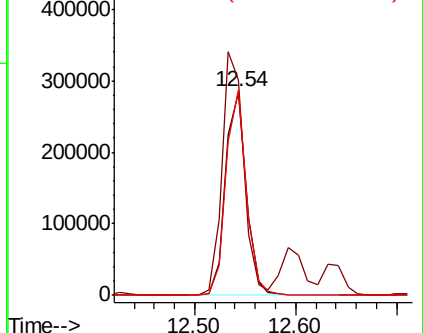
158 101.2 49.1 147.4



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: 22.738 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD060177.D

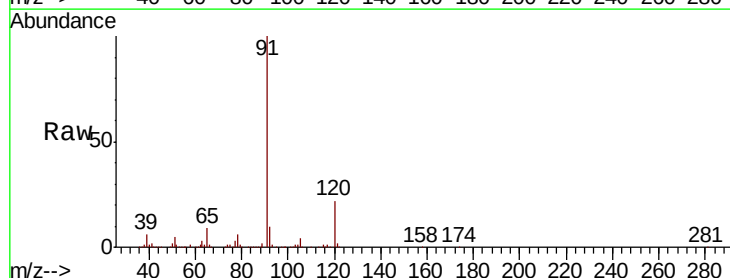
Acq: 24 Oct 2018 13:01

Tgt Ion: 91 Resp: 1873779

Ion Ratio Lower Upper

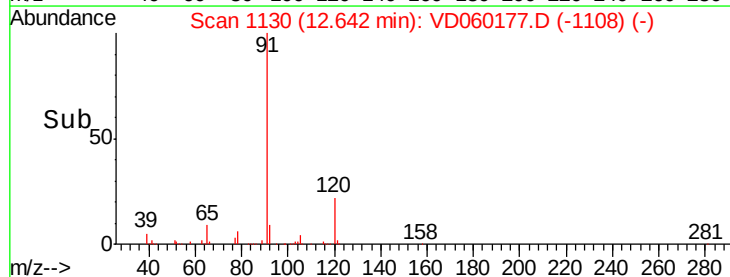
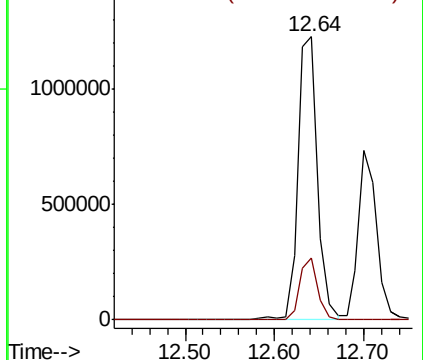
91 100

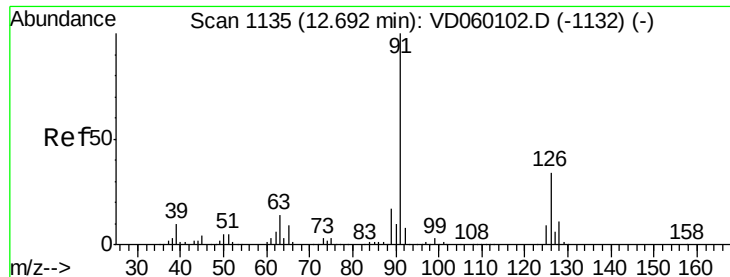
120 22.0 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.445 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

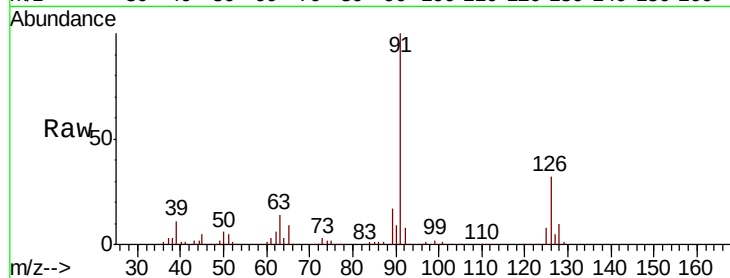
VD1024SBS01

Tot Ion: 91 Resp: 1026576

Ion Ratio Lower Upper

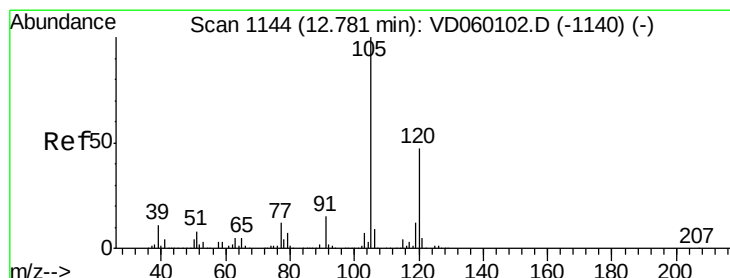
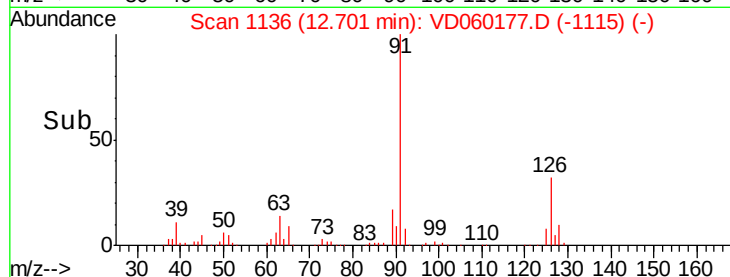
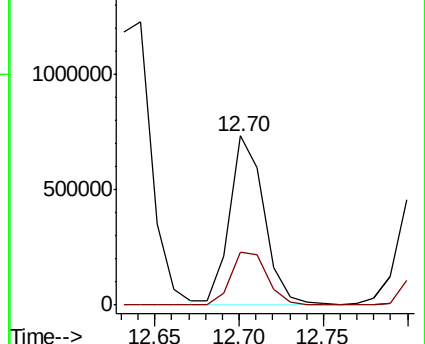
91 100

126 31.7 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.863 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060177.D

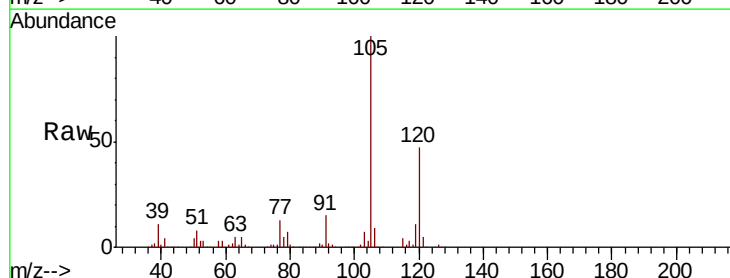
Acq: 24 Oct 2018 13:01

Tgt Ion:105 Resp: 1174322

Ion Ratio Lower Upper

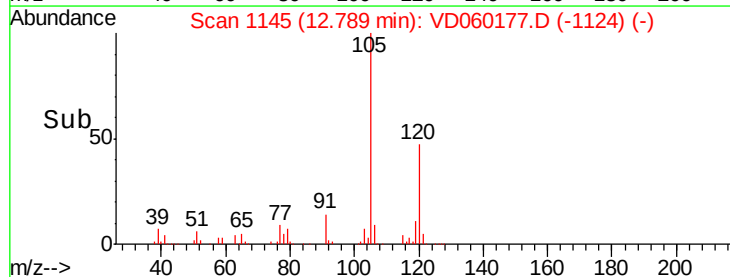
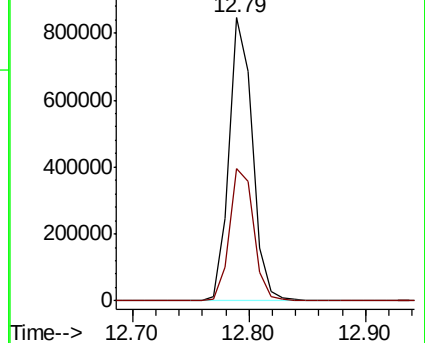
105 100

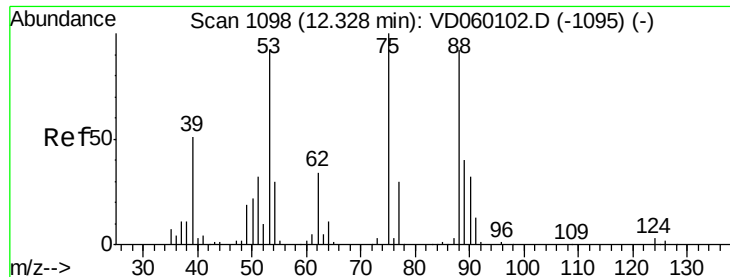
120 46.6 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.998 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

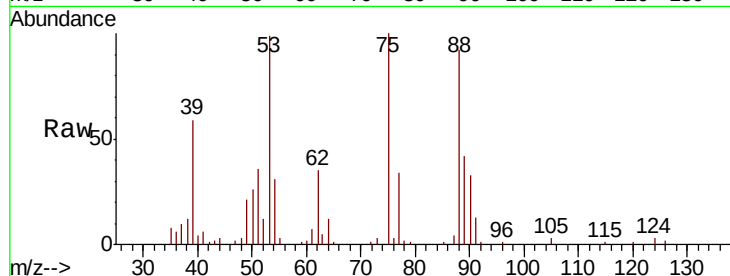
Tot Ion: 75 Resp: 89548

Ion Ratio Lower Upper

75 100

53 99.0 73.0 109.6

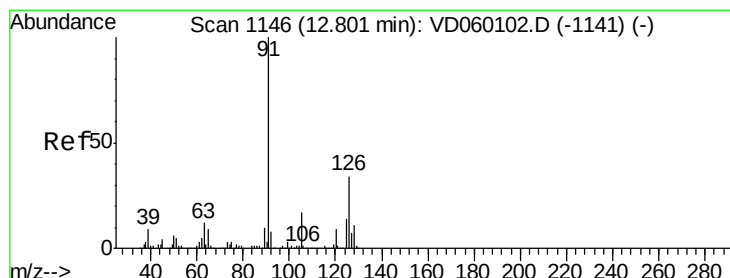
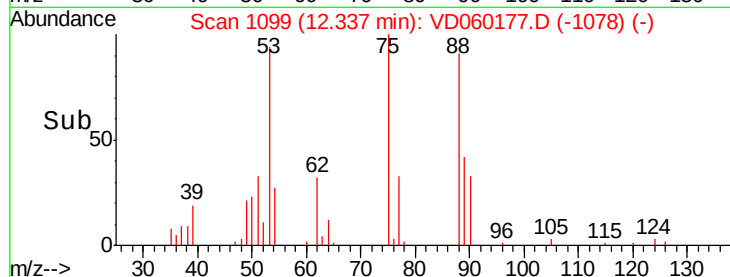
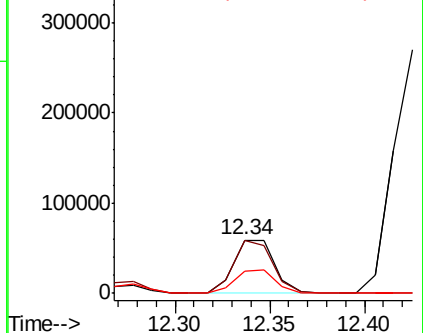
89 41.9 32.0 48.0



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: 23.020 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060177.D

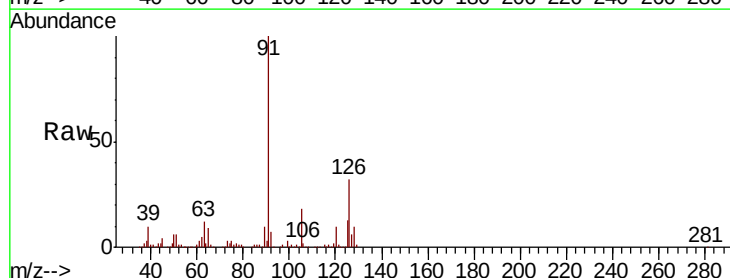
Acq: 24 Oct 2018 13:01

Tgt Ion: 91 Resp: 1190848

Ion Ratio Lower Upper

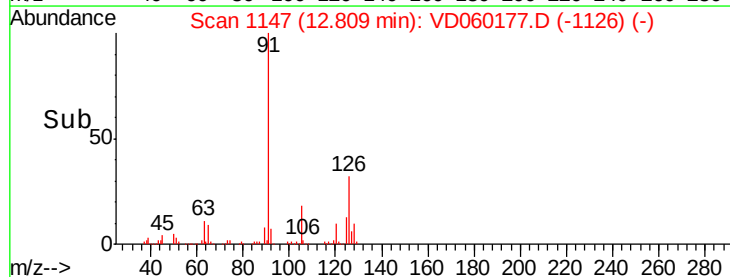
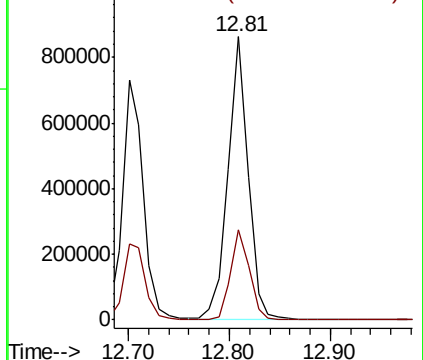
91 100

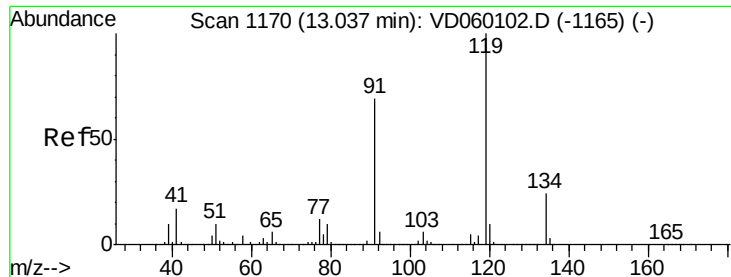
126 32.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

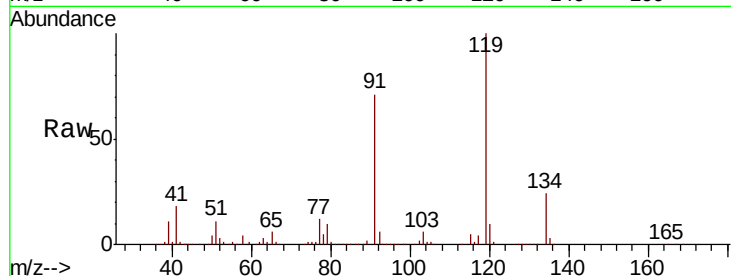




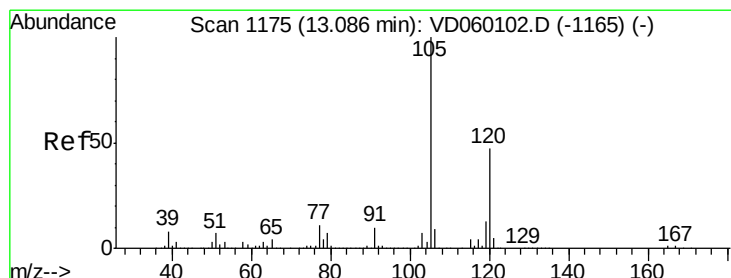
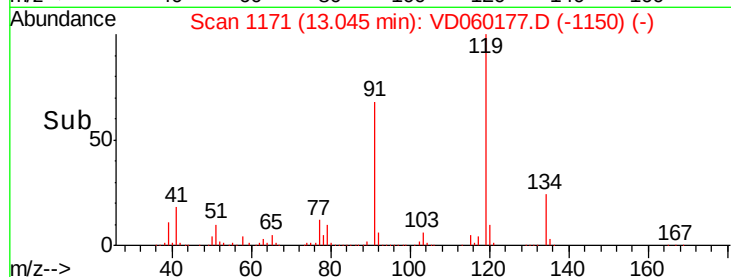
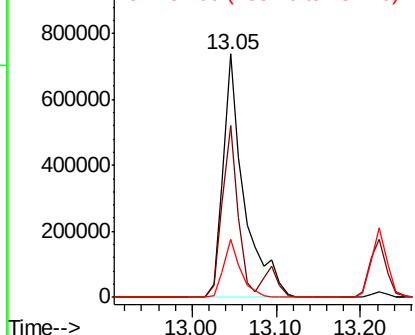
#83
 tert-Butylbenzene
 Concen: 21.835 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion:119 Resp: 1287034
 Ion Ratio Lower Upper
 119 100
 91 70.7 34.8 104.4
 134 23.7 11.8 35.4

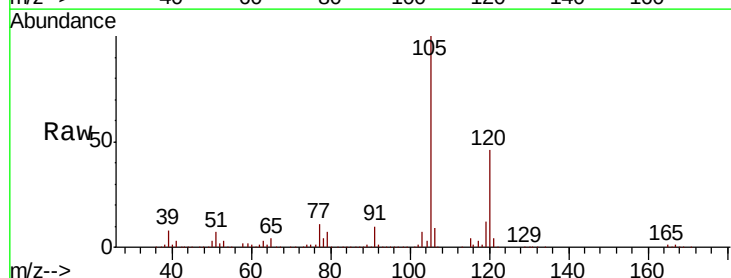


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

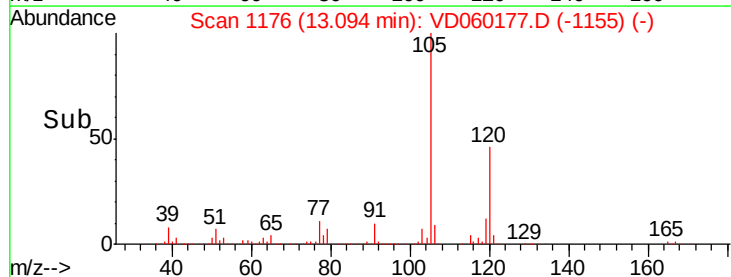
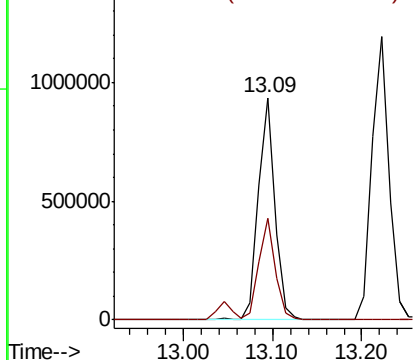


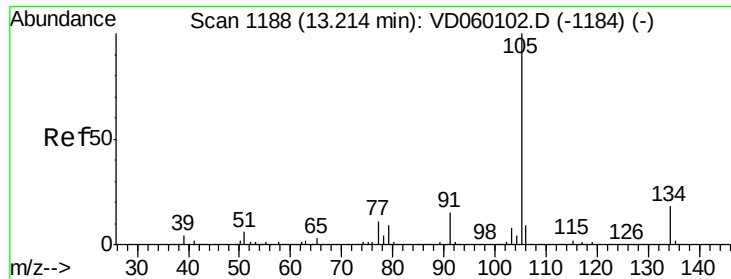
#84
 1,2,4-Trimethylbenzene
 Concen: 22.121 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion:105 Resp: 1197515
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.4 70.0



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





#85

sec-Butylbenzene

Concen: 22.492 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

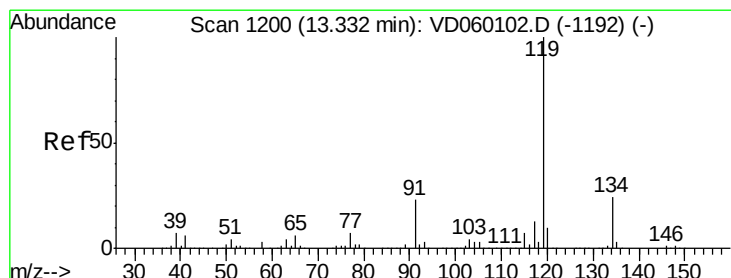
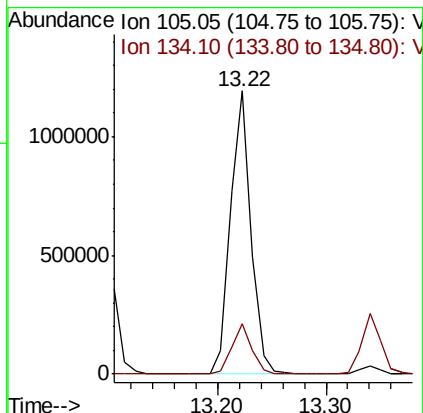
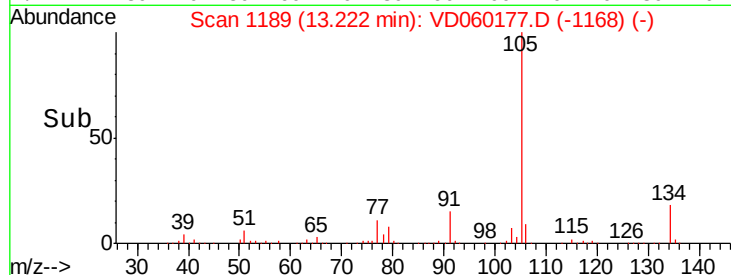
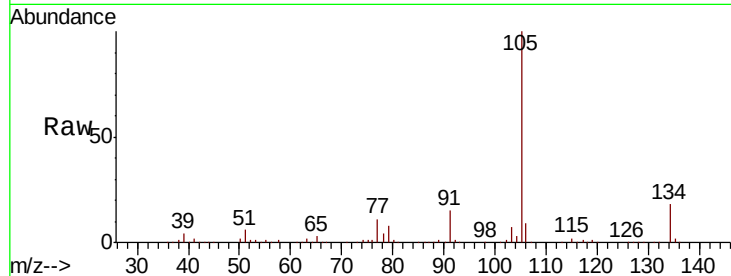
VD1024SBS01

Tot Ion:105 Resp: 1567519

Ion Ratio Lower Upper

105 100

134 17.7 8.8 26.2



#86

p-Isopropyltoluene

Concen: 22.578 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

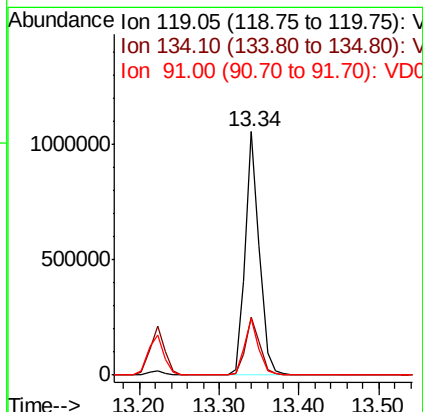
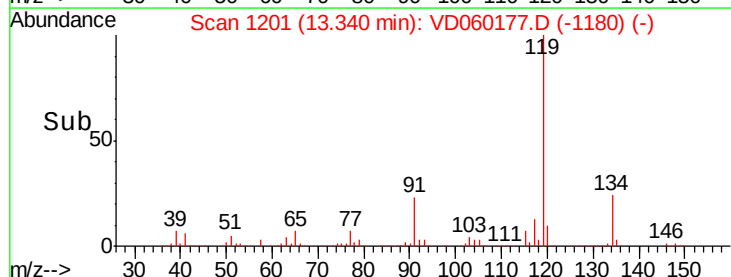
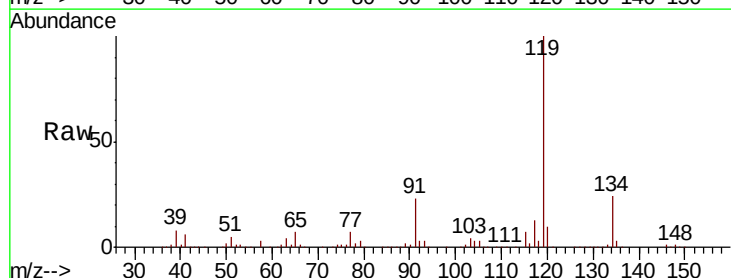
Tgt Ion:119 Resp: 1290626

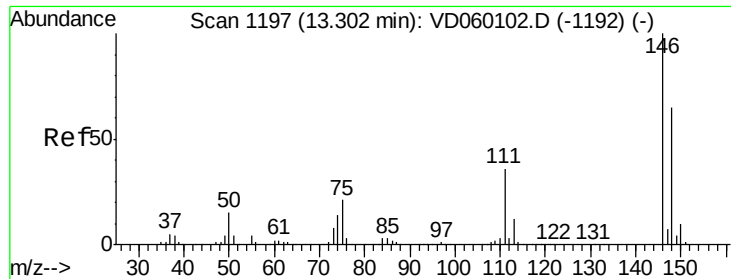
Ion Ratio Lower Upper

119 100

134 23.9 12.3 36.8

91 23.4 11.8 35.4

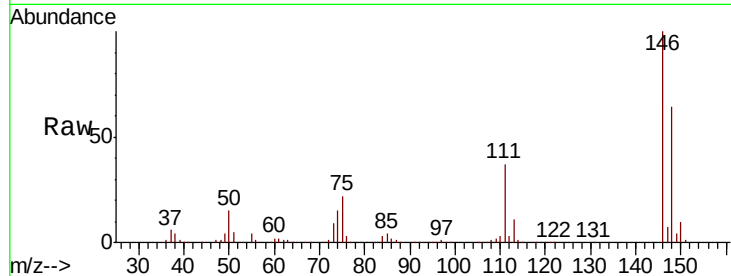




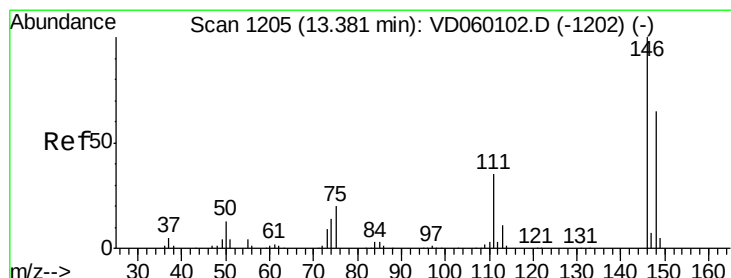
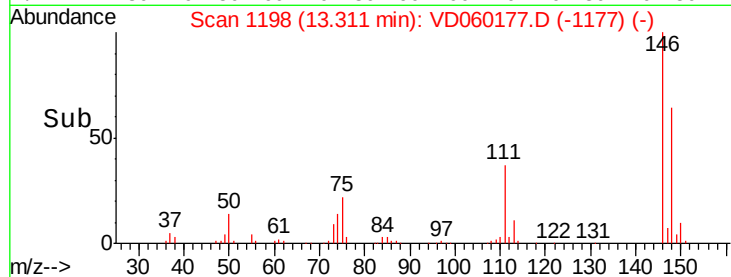
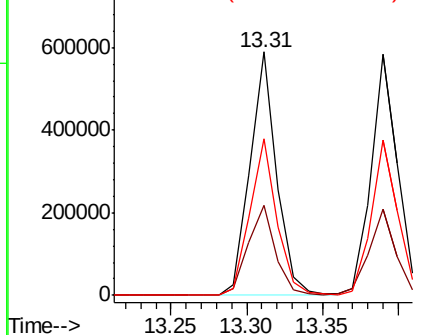
#87
 1,3-Dichlorobenzene
 Concen: 21.506 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.3
148	64.2	32.3	96.9

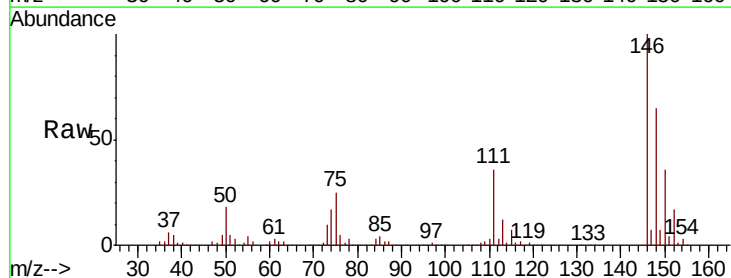


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

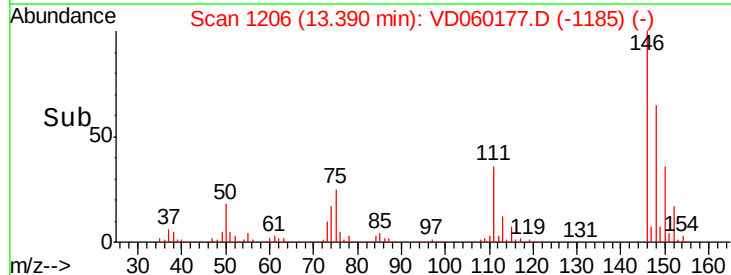
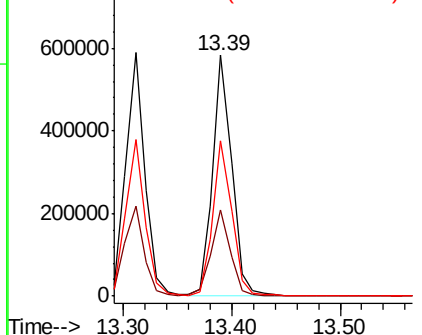


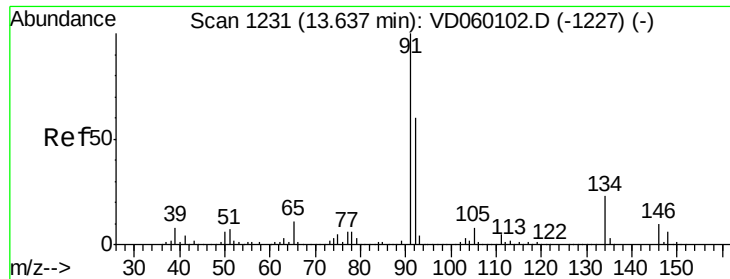
#88
 1,4-Dichlorobenzene
 Concen: 21.253 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.8	53.3
148	64.7	32.4	97.2



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

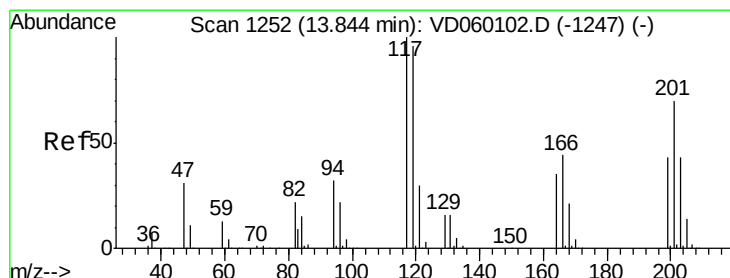
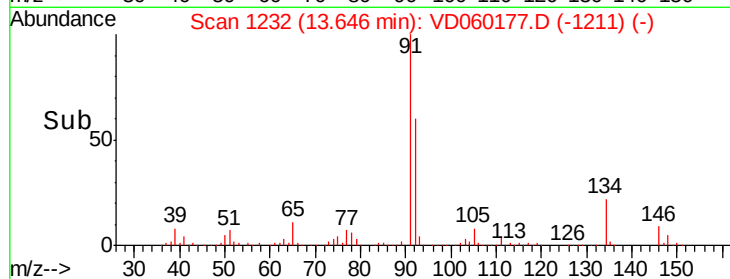
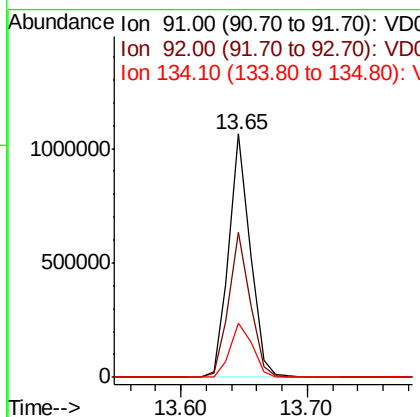
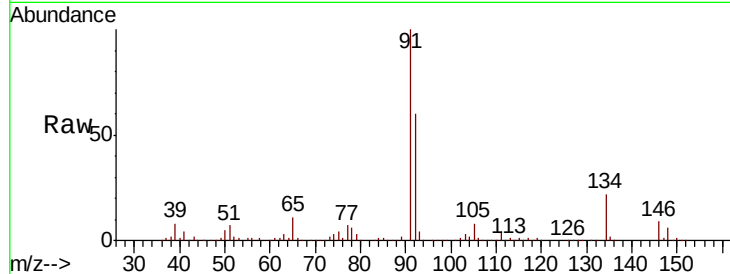




#89
n-Butylbenzene
Concen: 22.390 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

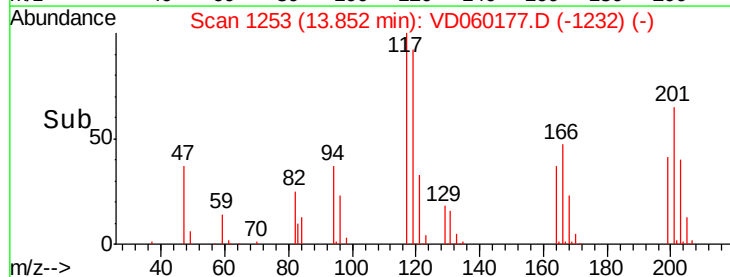
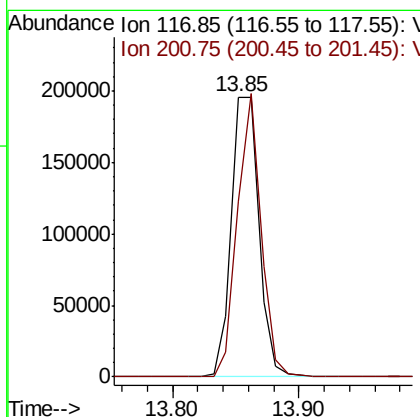
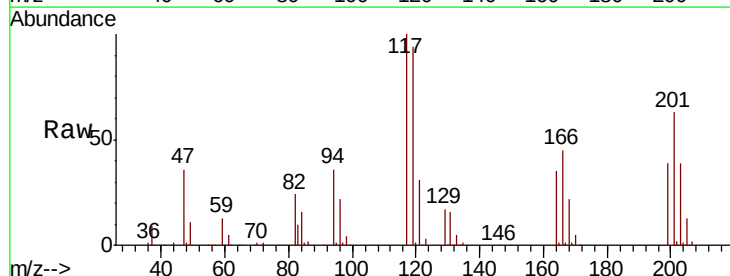
Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

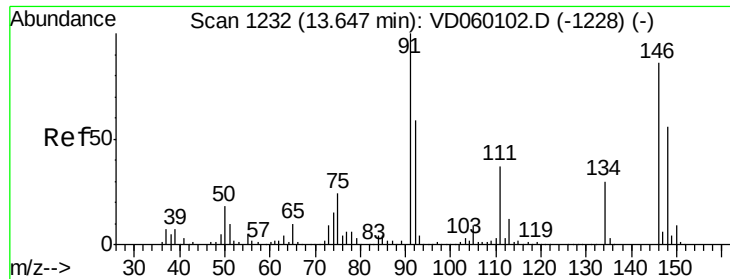
Tot Ion: 91 Resp: 1248808
Ion Ratio Lower Upper
91 100
92 59.6 30.1 90.3
134 22.2 11.6 34.7



#90
Hexachloroethane
Concen: 22.350 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 117 Resp: 295672
Ion Ratio Lower Upper
117 100
201 62.8 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 22.022 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

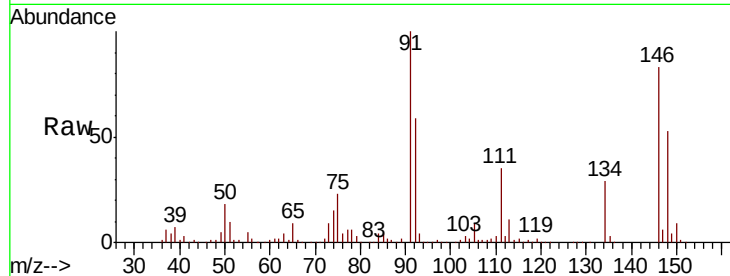
Tot Ion:146 Resp: 622180

Ion Ratio Lower Upper

146 100

111 42.1 21.4 64.3

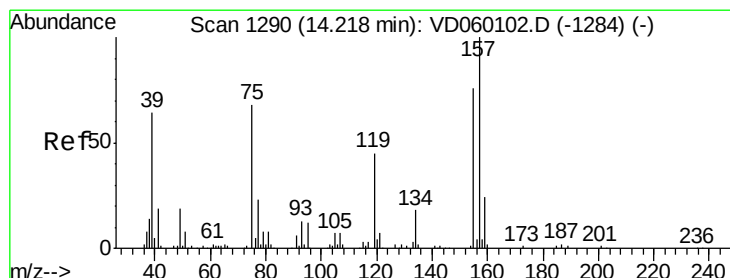
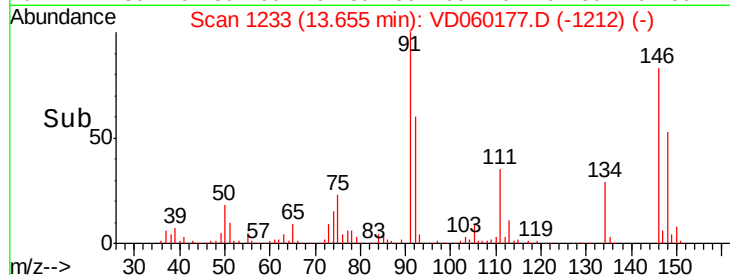
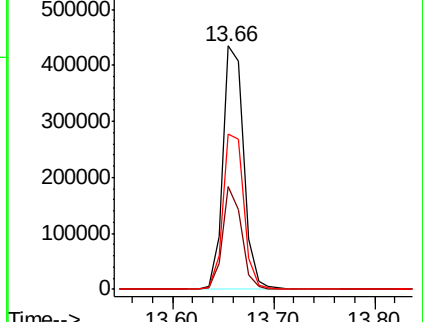
148 63.6 32.2 96.6



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: 21.382 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

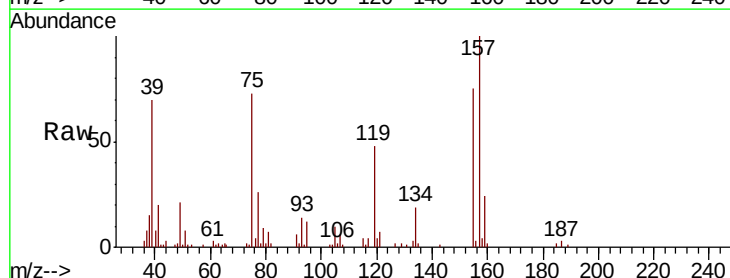
Tgt Ion: 75 Resp: 41365

Ion Ratio Lower Upper

75 100

155 103.5 55.9 167.7

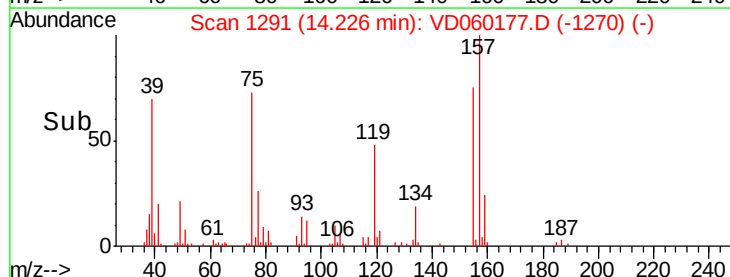
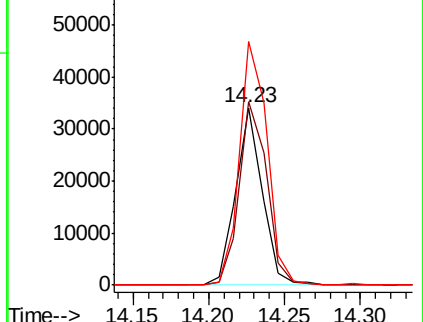
157 137.5 73.3 219.8

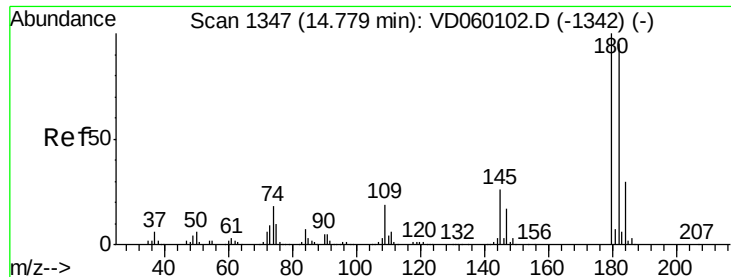


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

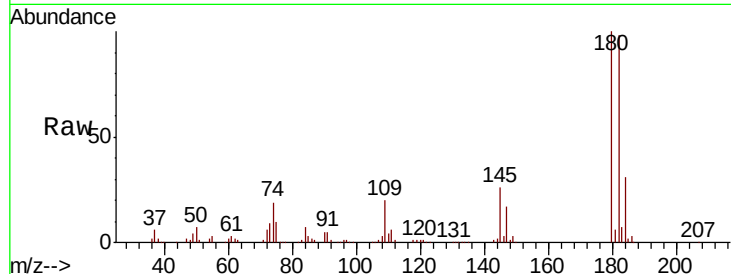




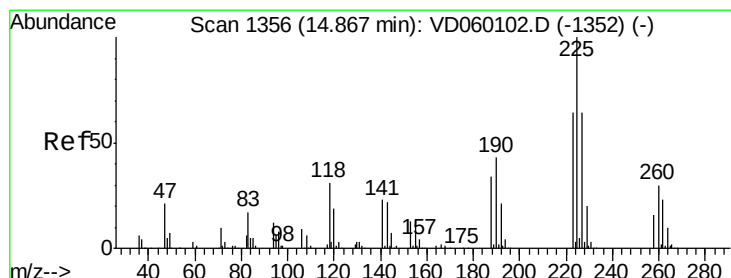
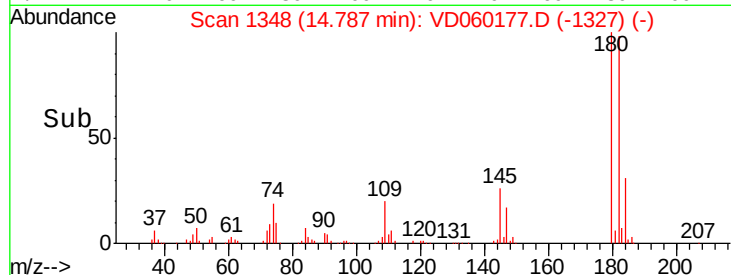
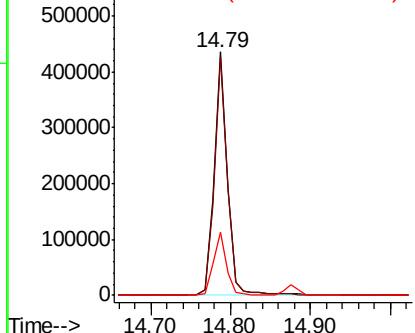
#93
1,2,4-Trichlorobenzene
Concen: 21.287 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion:180 Resp: 510466
Ion Ratio Lower Upper
180 100
182 97.8 47.3 141.8
145 25.9 13.0 38.9

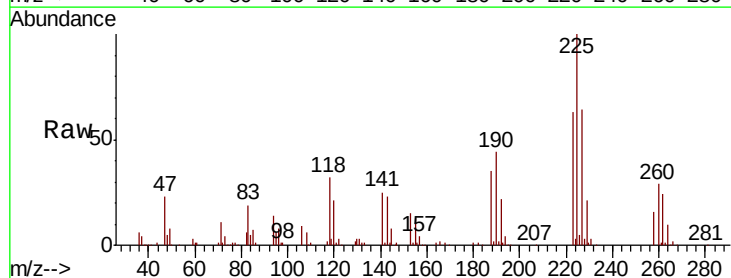


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

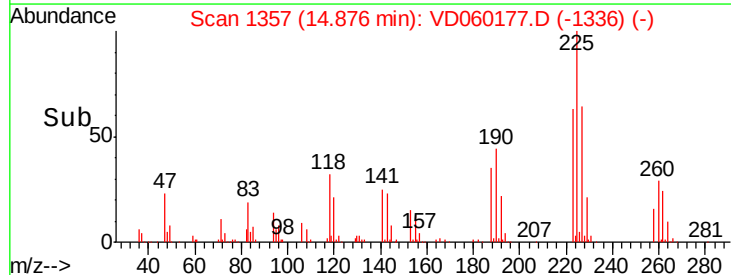
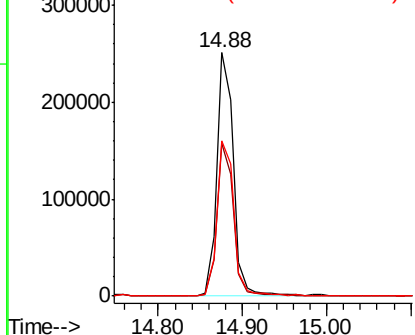


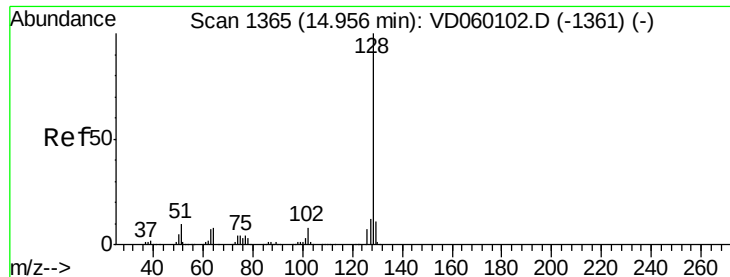
#94
Hexachlorobutadiene
Concen: 21.498 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion:225 Resp: 342671
Ion Ratio Lower Upper
225 100
223 62.7 31.8 95.4
227 64.0 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

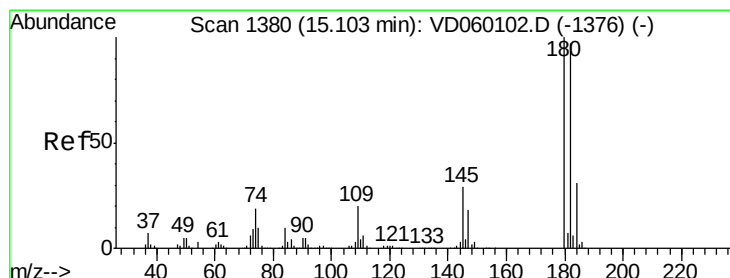
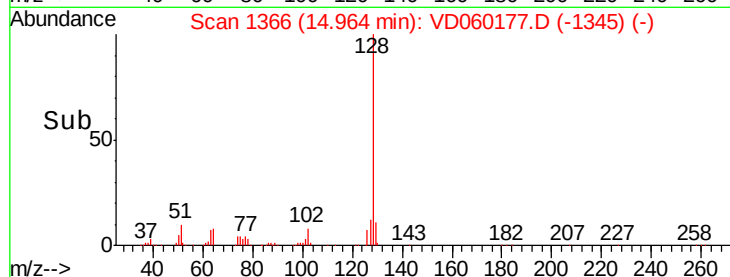
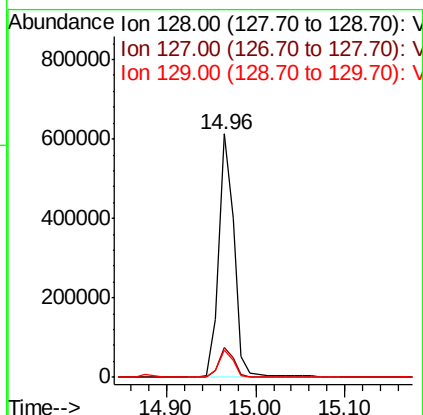
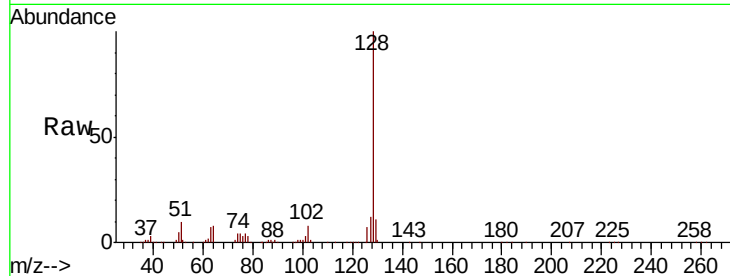




#95
Naphthalene
Concen: 20.992 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion:128 Resp: 746178
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.345 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion:180 Resp: 424397
Ion Ratio Lower Upper
180 100
182 95.5 48.4 145.0
145 29.3 14.5 43.6

