

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121018\
 Data File : VD060518.D
 Acq On : 10 Dec 2018 12:04
 Operator : VA/AP
 Sample : VD1210SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Quant Time: Dec 11 06:45:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1625699	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2277794	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1765961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	895545	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	625504	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
35) Dibromofluoromethane	6.33	113	920651	55.03	ug/l	0.00
Spiked Amount			Recovery	=	110.06%	
50) Toluene-d8	9.46	98	2578281	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.42	95	902832	52.11	ug/l	-0.01
Spiked Amount			Recovery	=	104.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	431473	24.544	ug/l	97
3) Chloromethane	1.78	50	380731	22.794	ug/l	99
4) Vinyl Chloride	1.87	62	303232	22.747	ug/l	96
5) Bromomethane	2.17	94	53649	16.087	ug/l #	79
6) Chloroethane	2.28	64	74050	16.124	ug/l	91
7) Trichlorofluoromethane	2.52	101	314588	20.438	ug/l	99
8) Diethyl Ether	2.85	74	55481	20.868	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.10	101	208166	20.843	ug/l	99
10) Methyl Iodide	3.26	142	228698	19.590	ug/l	96
11) Tert butyl alcohol	3.98	59	45153	96.452	ug/l #	94
12) 1,1-Dichloroethene	3.09	96	170629	20.998	ug/l	97
13) Acrolein	3.00	56	51164	100.022	ug/l	90
14) Allyl chloride	3.54	41	314868	20.423	ug/l	99
15) Acrylonitrile	4.10	53	295378	111.122	ug/l	93
16) Acetone	3.18	43	185629	100.502	ug/l	99
17) Carbon Disulfide	3.33	76	561021	21.255	ug/l	99
18) Methyl Acetate	3.57	43	96611	22.008	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	501559	22.258	ug/l	98
20) Methylene Chloride	3.73	84	393416	20.564	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	385758	21.824	ug/l	98
22) Diisopropyl ether	4.86	45	1217527	21.996	ug/l	97
23) Vinyl Acetate	4.81	43	2995321	109.218	ug/l	98
24) 1,1-Dichloroethane	4.77	63	612188	21.289	ug/l	99
25) 2-Butanone	5.63	43	385034	105.958	ug/l	100
26) 2,2-Dichloropropane	5.59	77	488081	21.971	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	391251	21.770	ug/l	98
28) Bromochloromethane	5.93	49	262052	20.571	ug/l	86
29) Tetrahydrofuran	5.97	42	216033	104.984	ug/l	99
30) Chloroform	6.11	83	611198	21.097	ug/l	97
31) Cyclohexane	6.37	56	582700	21.514	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	523175	21.967	ug/l	99
36) 1,1-Dichloropropene	6.53	75	470020	21.110	ug/l	99
37) Ethyl Acetate	5.71	43	224242	23.223	ug/l	97
38) Carbon Tetrachloride	6.51	117	435274	21.776	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121018\
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 Sample : VD1210SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1210SBS01

Quant Time: Dec 11 06:45:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	552016	21.749	ug/l	99
40) Benzene	6.80	78	1194850	20.998	ug/l	100
41) Methacrylonitrile	5.96	41	236032	45.345	ug/l #	69
42) 1,2-Dichloroethane	6.90	62	304948	21.078	ug/l	99
43) Isopropyl Acetate	8.35	43	260315	21.839	ug/l #	96
44) Trichloroethene	7.75	130	362845	21.337	ug/l	99
45) 1,2-Dichloropropane	8.10	63	298180	21.188	ug/l	98
46) Dibromomethane	8.22	93	175961	21.640	ug/l	97
47) Bromodichloromethane	8.49	83	413420	21.428	ug/l	99
48) Methyl methacrylate	8.25	41	156134	22.138	ug/l	98
49) 1,4-Dioxane	8.24	88	28257	442.059	ug/l #	83
51) 4-Methyl-2-Pentanone	9.34	43	836247	112.785	ug/l	100
52) Toluene	9.55	92	747535	21.019	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	342326	21.594	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	453871	21.791	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	209650	21.168	ug/l	98
56) Ethyl methacrylate	10.03	69	199059	22.207	ug/l	97
57) 1,3-Dichloropropane	10.38	76	324012	21.162	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	585375	109.144	ug/l	94
59) 2-Hexanone	10.49	43	578982	111.717	ug/l	98
60) Dibromochloromethane	10.64	129	267521	21.604	ug/l	98
61) 1,2-Dibromoethane	10.76	107	212465	21.050	ug/l	96
64) Tetrachloroethene	10.26	164	332884	21.288	ug/l	99
65) Chlorobenzene	11.31	112	797464	21.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	271576	22.553	ug/l	99
67) Ethyl Benzene	11.43	91	1450172	22.757	ug/l	98
68) m/p-Xylenes	11.57	106	1058640	44.904	ug/l	98
69) o-Xylene	11.93	106	499470	22.231	ug/l	91
70) Styrene	11.96	104	810134	22.464	ug/l	99
71) Bromoform	12.12	173	173949	21.652	ug/l	100
73) Isopropylbenzene	12.27	105	1393819	21.994	ug/l	99
74) N-amyl acetate	12.14	43	341814	22.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	217202	21.409	ug/l	96
76) 1,2,3-Trichloropropane	12.60	75	220172	21.698	ug/l	97
77) Bromobenzene	12.54	156	347611	20.868	ug/l	99
78) n-propylbenzene	12.64	91	1796698	22.428	ug/l	99
79) 2-Chlorotoluene	12.71	91	960027	22.085	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	1092106	22.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	61068	21.578	ug/l	97
82) 4-Chlorotoluene	12.81	91	1085179	22.227	ug/l	88
83) tert-Butylbenzene	13.04	119	1204402	22.183	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	1091910	21.777	ug/l	99
85) sec-Butylbenzene	13.22	105	1492396	22.054	ug/l	100
86) p-Isopropyltoluene	13.35	119	1218663	22.718	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	663805	22.009	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	642533	21.716	ug/l	99
89) n-Butylbenzene	13.65	91	1258507	21.162	ug/l	100
90) Hexachloroethane	13.86	117	290164	21.574	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	557952	22.637	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	25717	20.920	ug/l	85

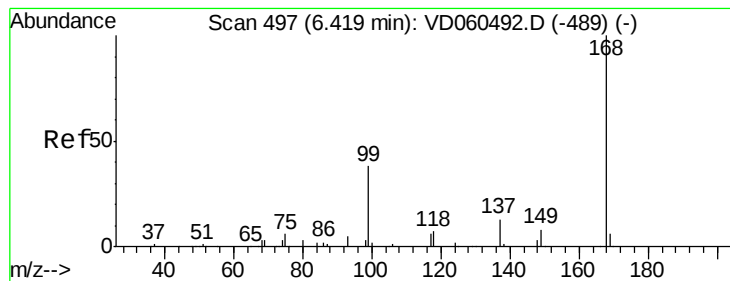
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121018\
Data File : VD060518.D
Acq On : 10 Dec 2018 12:04
Operator : VA/AP
Sample : VD1210SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Time: Dec 11 06:45:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	416164	21.599	ug/l	98
94) Hexachlorobutadiene	14.88	225	306875	21.587	ug/l	99
95) Naphthalene	14.97	128	519202	22.651	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	332413	21.652	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

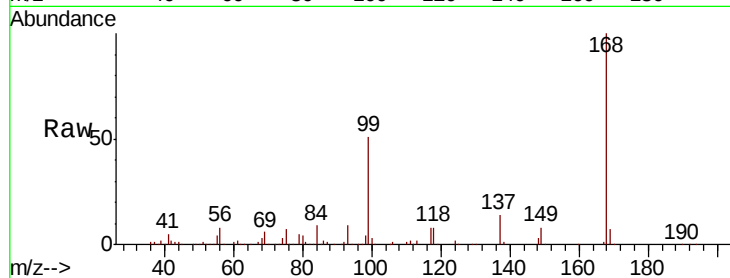
VD1210SBSD01

Tot Ion:168 Resp: 1625699

Ion Ratio Lower Upper

168 100

99 51.0 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

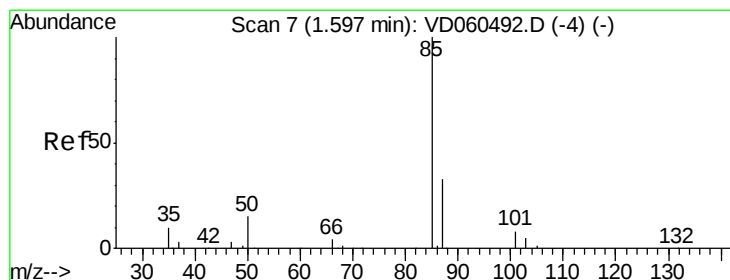
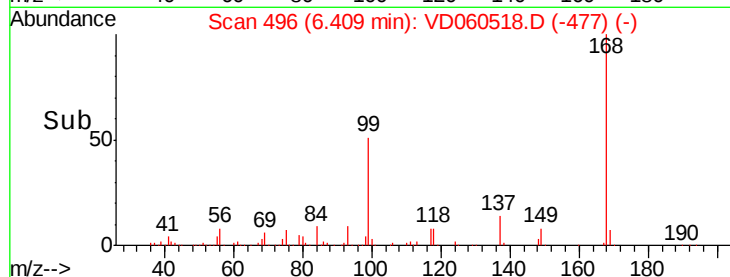
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.544 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060518.D

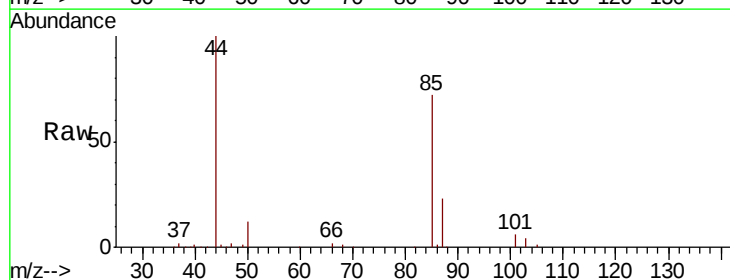
Acq: 10 Dec 2018 12:04

Tgt Ion: 85 Resp: 431473

Ion Ratio Lower Upper

85 100

87 31.5 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

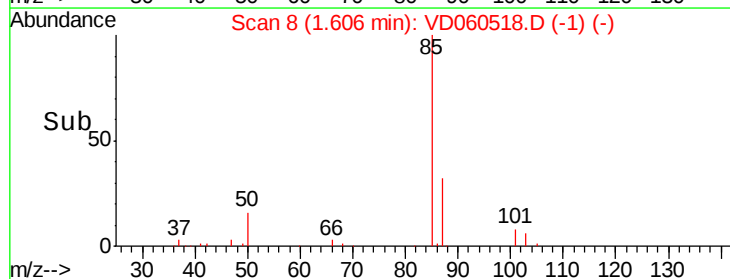
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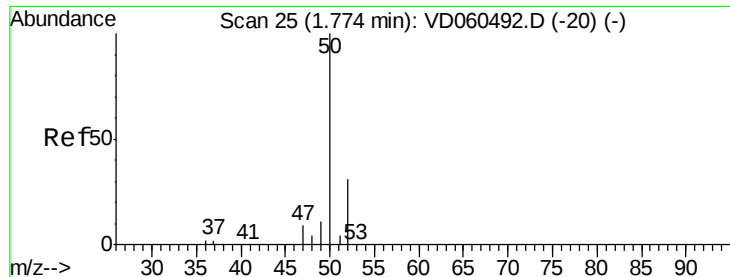
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50000

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Time-->





#3

Chloromethane

Concen: 22.794 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

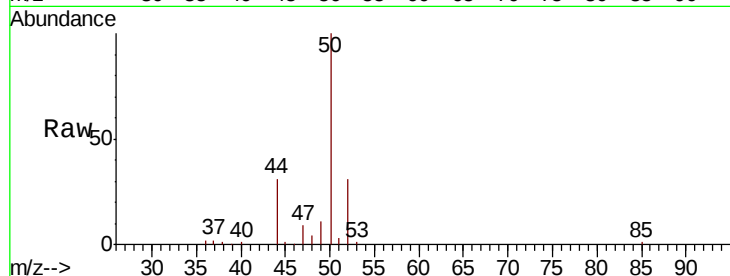
VD1210SBS01

Tot Ion: 50 Resp: 380731

Ion Ratio Lower Upper

50 100

52 30.8 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

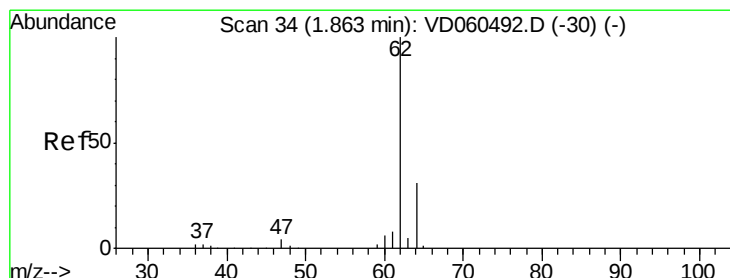
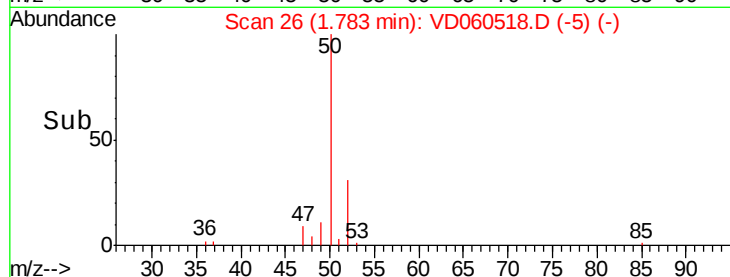
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 22.747 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060518.D

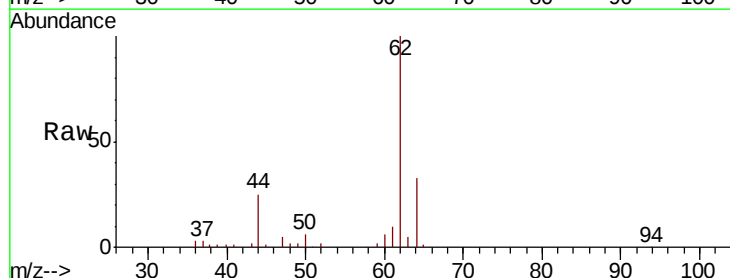
Acq: 10 Dec 2018 12:04

Tgt Ion: 62 Resp: 303232

Ion Ratio Lower Upper

62 100

64 33.0 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

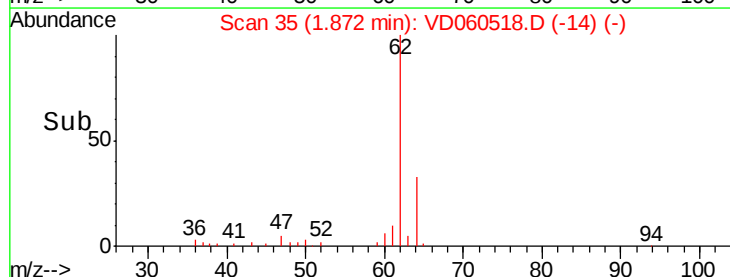
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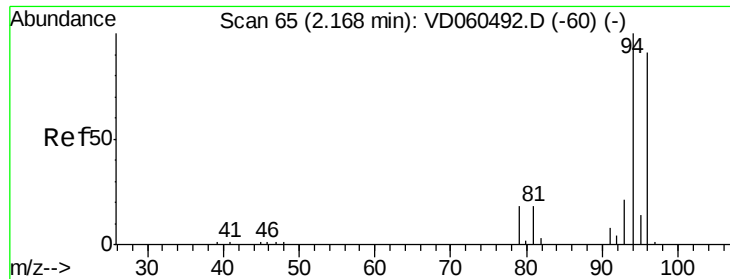
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Time-->

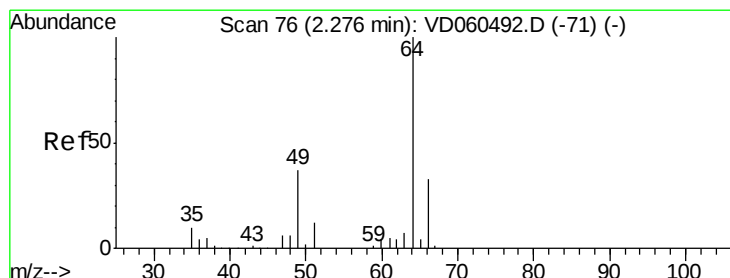
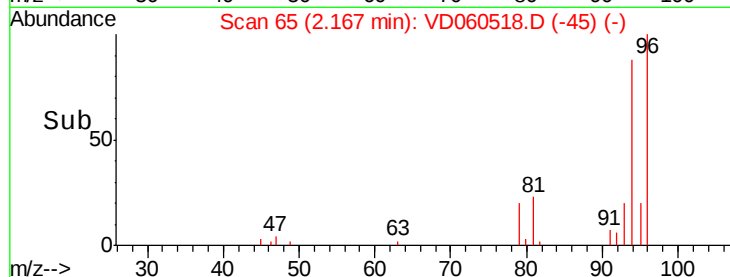
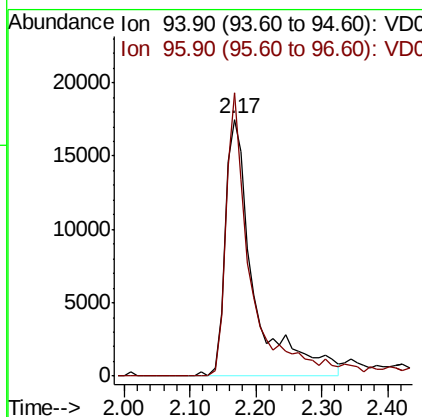
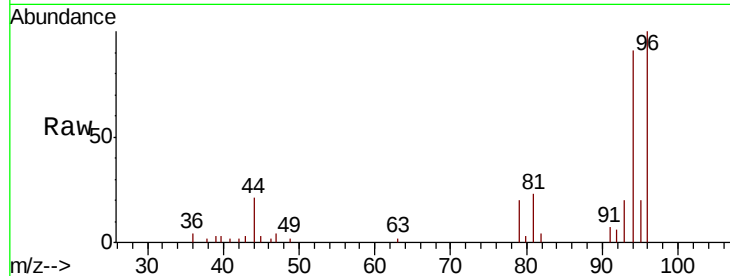




#5
Bromomethane
Concen: 16.087 ug/l
RT: 2.17 min Scan# 65
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

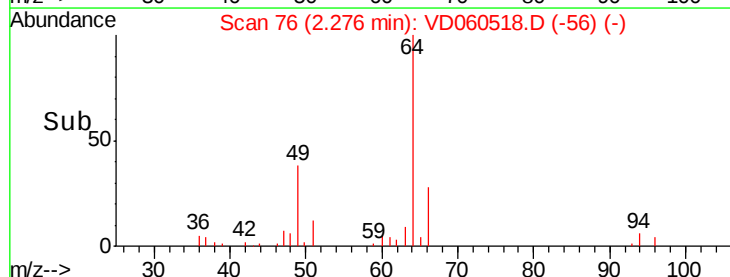
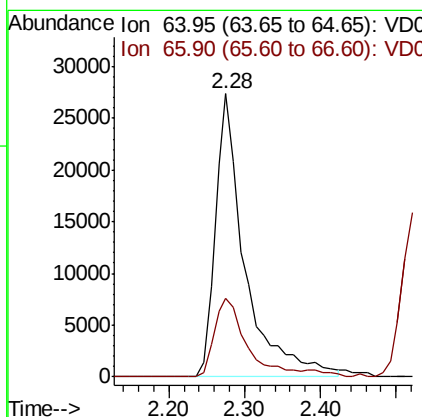
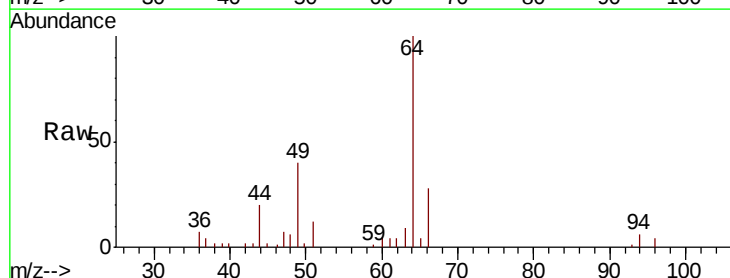
Instrument :
MSVOA_D
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VD1210SBS01

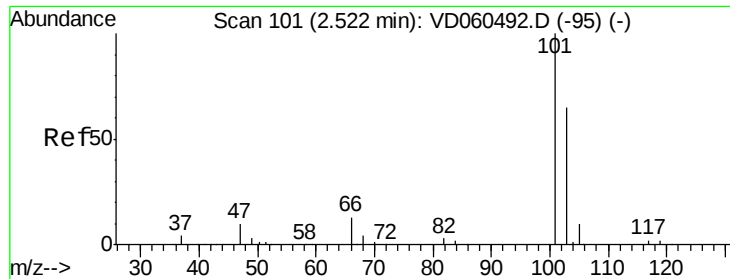
Tot Ion: 94 Resp: 53649
Ion Ratio Lower Upper
94 100
96 110.3 72.6 108.8#



#6
Chloroethane
Concen: 16.124 ug/l
RT: 2.28 min Scan# 76
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 64 Resp: 74050
Ion Ratio Lower Upper
64 100
66 27.6 26.4 39.6



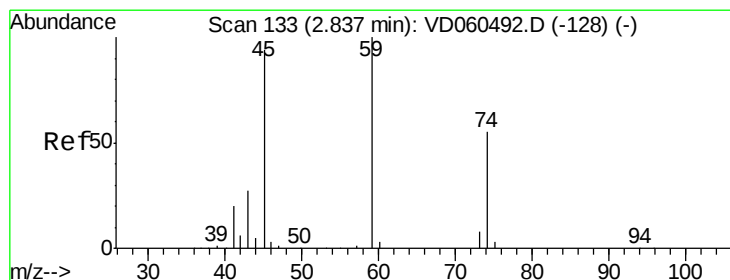
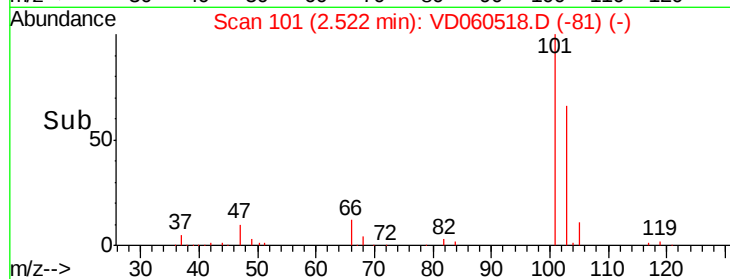
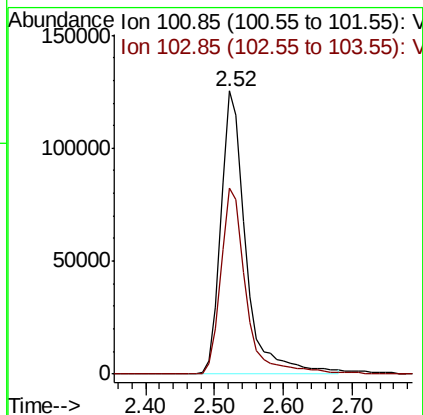
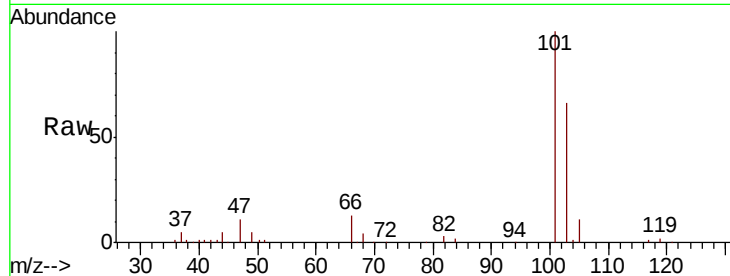


#7

Trichlorofluoromethane
 Concen: 20.438 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBSD01

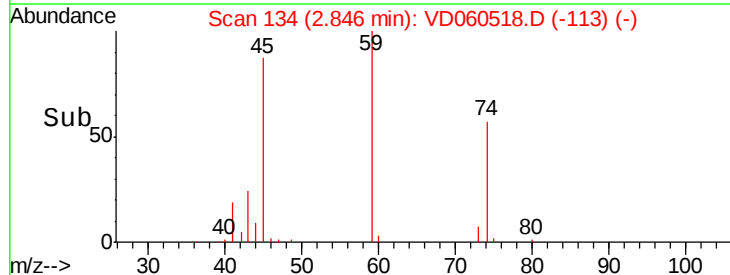
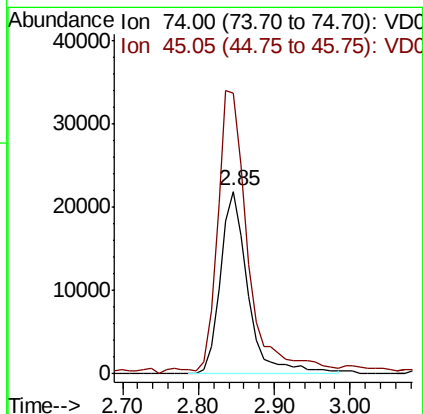
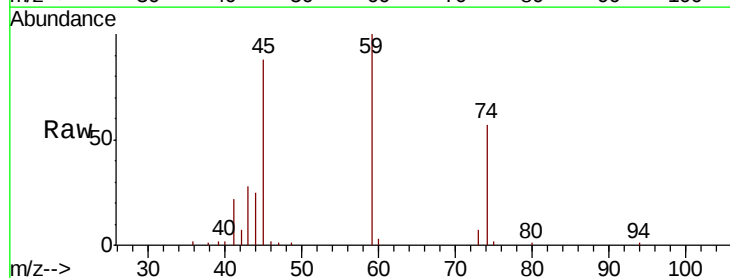
Tot Ion:101 Resp: 314588
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.8

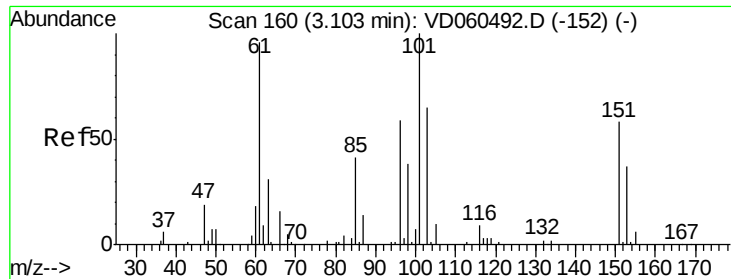


#8

Diethyl Ether
 Concen: 20.868 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Tgt Ion: 74 Resp: 55481
 Ion Ratio Lower Upper
 74 100
 45 153.5 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.843 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

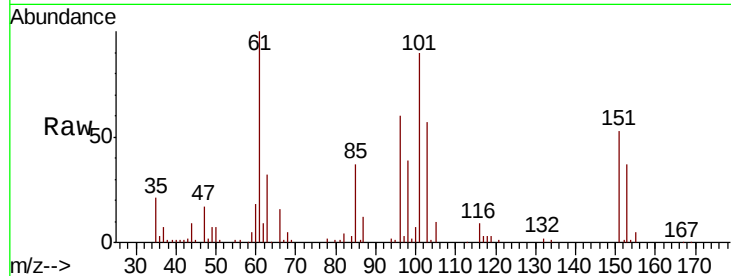
Tot Ion:101 Resp: 208166

Ion Ratio Lower Upper

101 100

85 41.6 32.7 49.1

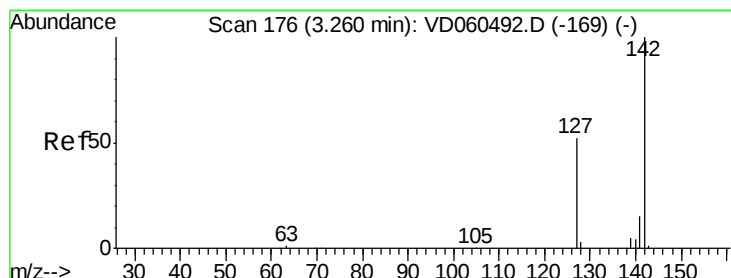
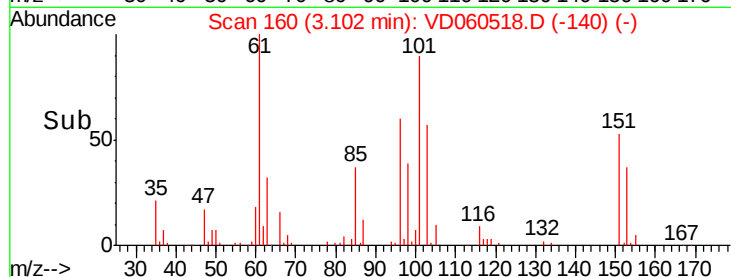
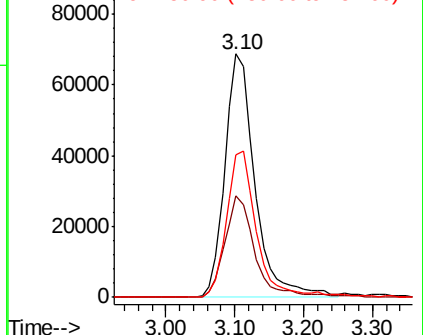
151 58.5 46.6 69.8



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: 19.590 ug/l

RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

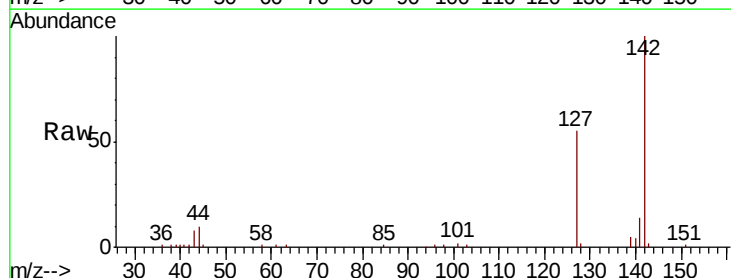
Tgt Ion:142 Resp: 228698

Ion Ratio Lower Upper

142 100

127 54.5 41.2 61.8

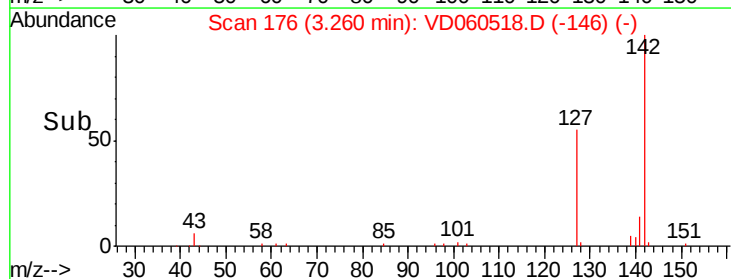
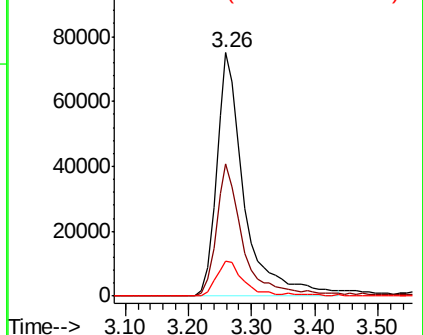
141 14.2 11.9 17.9

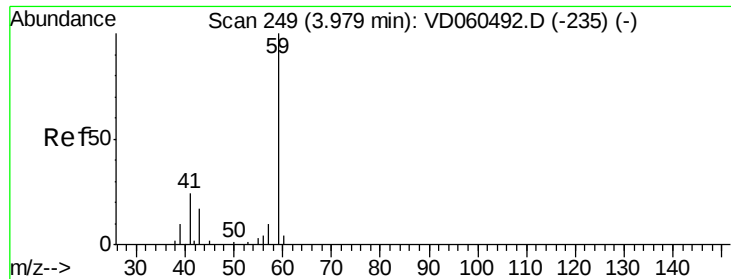


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



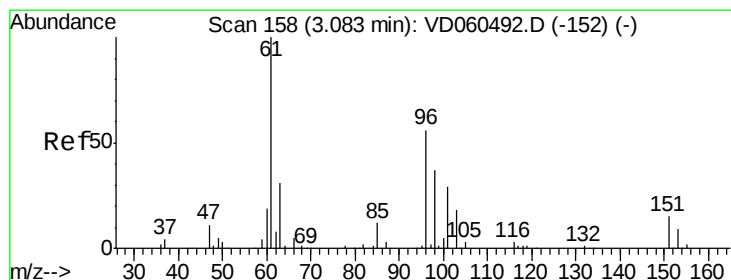
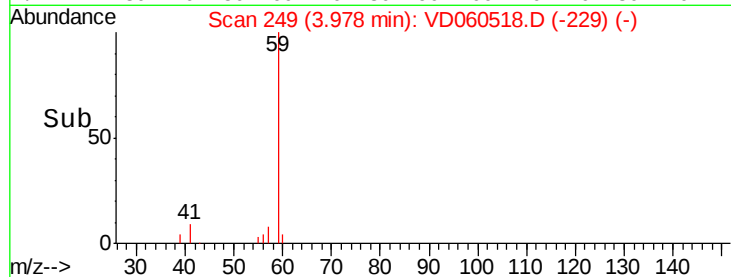
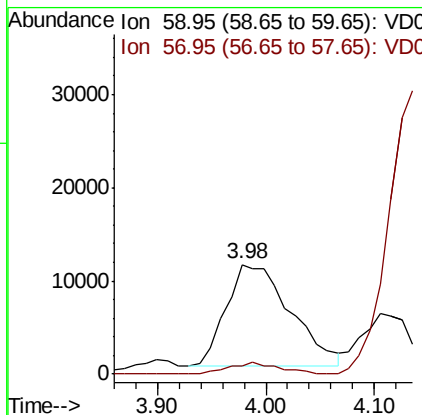
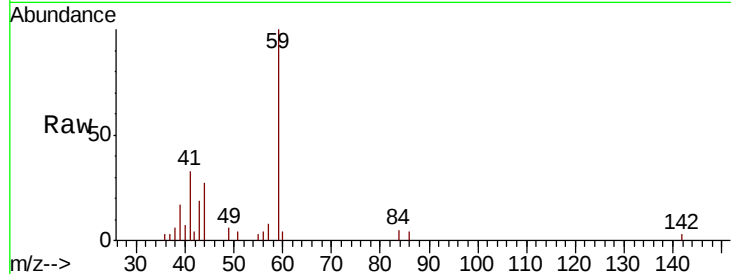


#11

Tert butyl alcohol
 Concen: 96.452 ug/l
 RT: 3.98 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

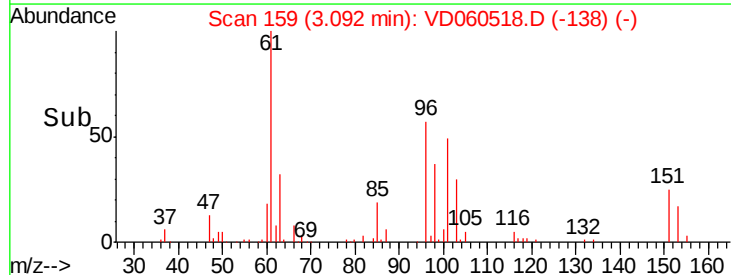
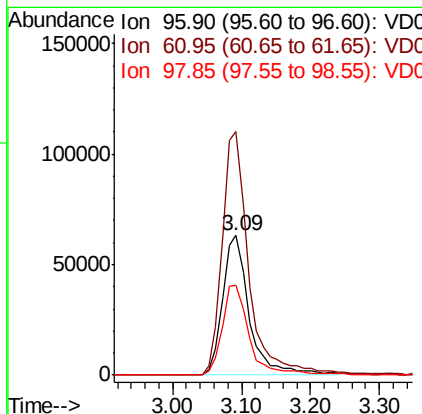
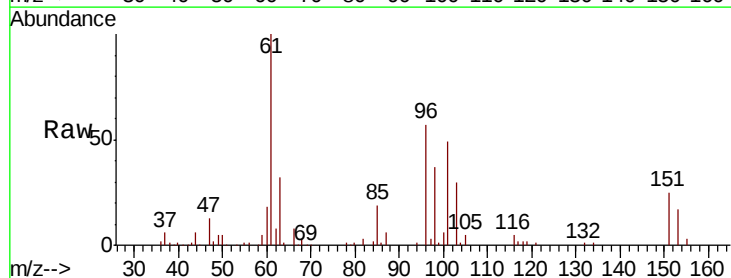
Tot Ion: 59 Resp: 45153
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.1 12.1#

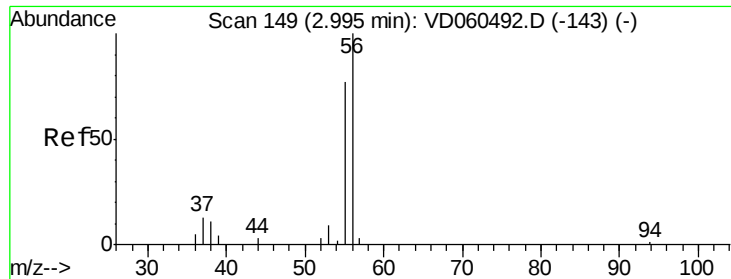


#12

1,1-Dichloroethene
 Concen: 20.998 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. 0.01 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Tgt Ion: 96 Resp: 170629
 Ion Ratio Lower Upper
 96 100
 61 174.6 143.0 214.4
 98 64.7 53.4 80.0

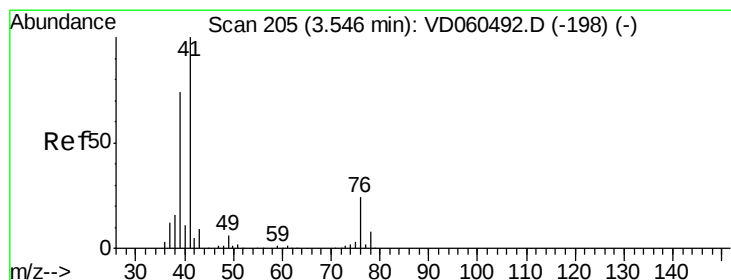
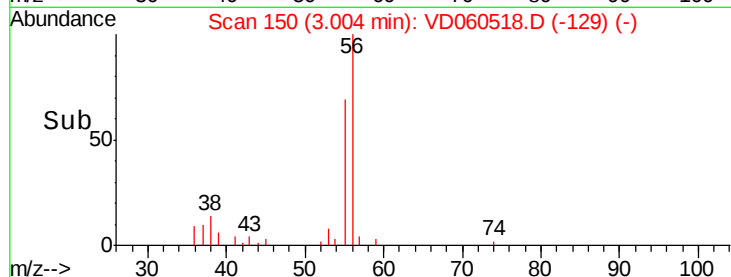
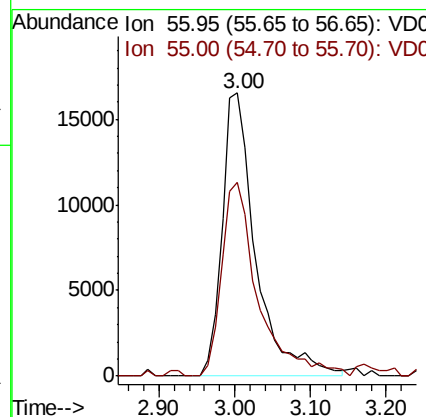
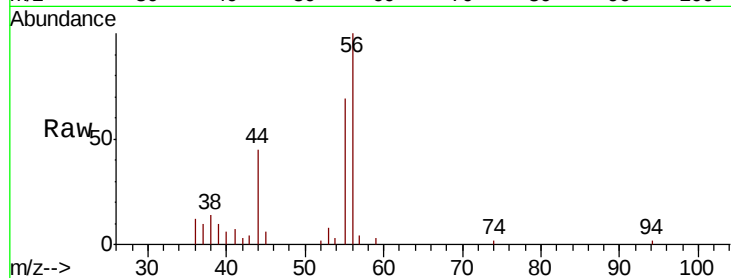




#13
Acrolein
Concen: 100.022 ug/l
RT: 3.00 min Scan# 150
Delta R.T. 0.01 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

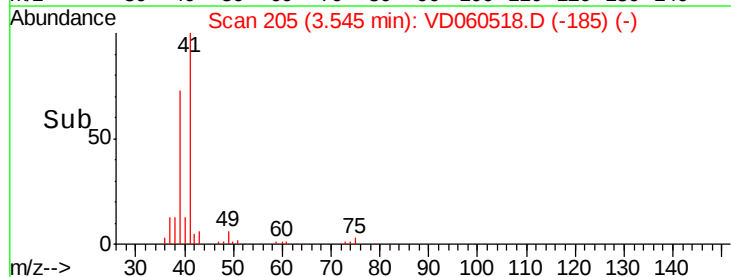
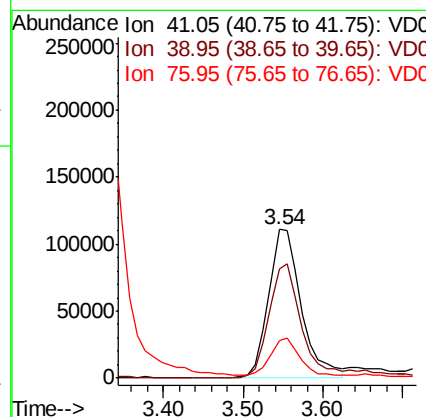
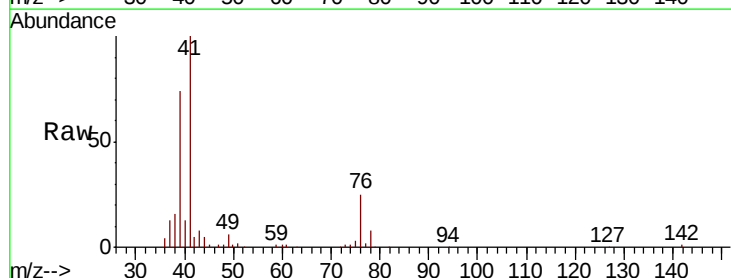
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

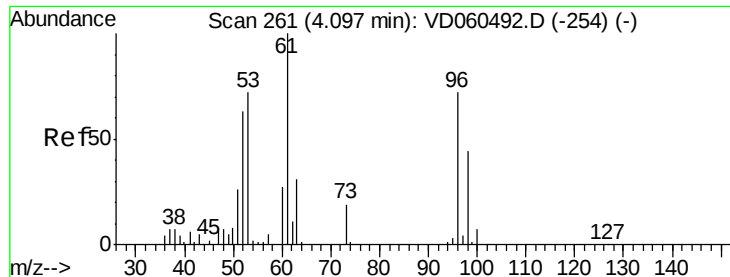
Tot Ion: 56 Resp: 51164
Ion Ratio Lower Upper
56 100
55 68.6 62.0 93.0



#14
Allyl chloride
Concen: 20.423 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 41 Resp: 314868
Ion Ratio Lower Upper
41 100
39 73.7 59.3 88.9
76 25.0 21.0 31.6





#15

Acrylonitrile

Concen: 111.122 ug/l

RT: 4.10 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

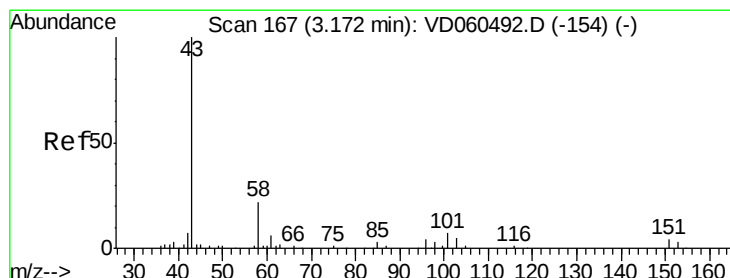
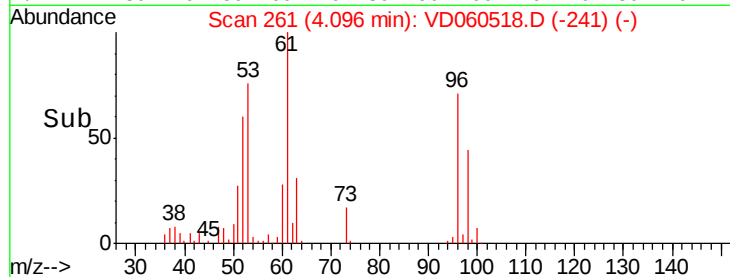
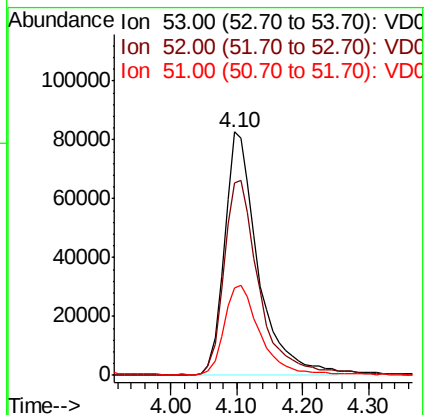
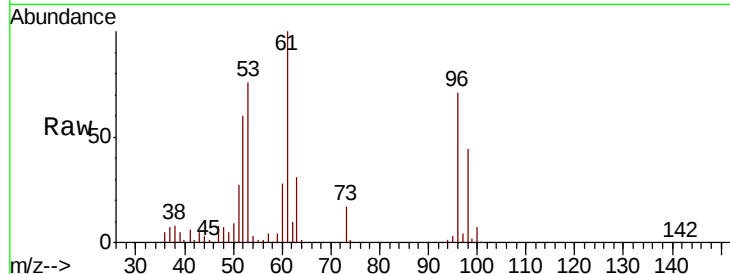
Tot Ion: 53 Resp: 295378

Ion Ratio Lower Upper

53 100

52 78.9 70.0 105.0

51 36.1 28.8 43.2



#16

Acetone

Concen: 100.502 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060518.D

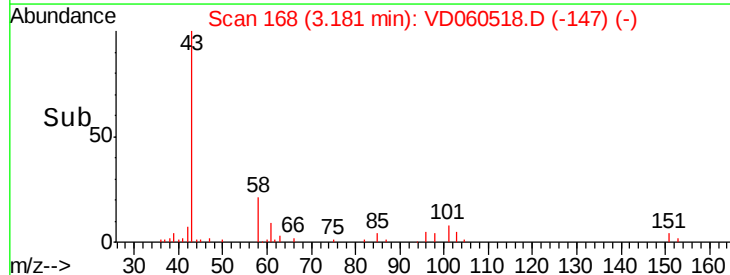
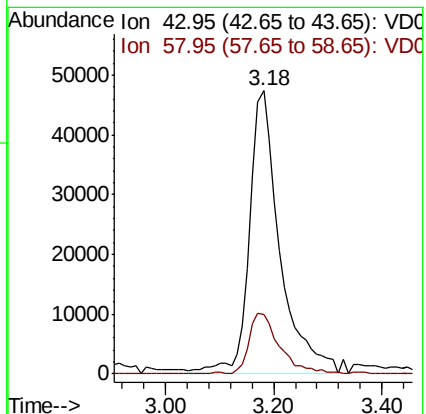
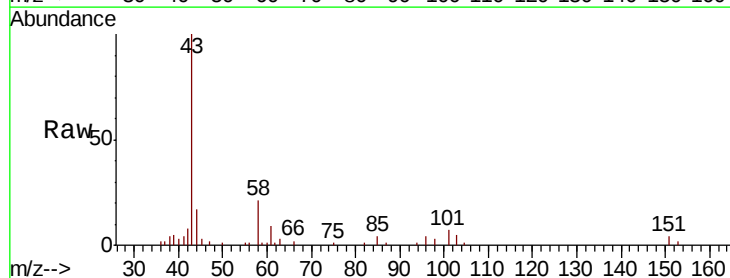
Acq: 10 Dec 2018 12:04

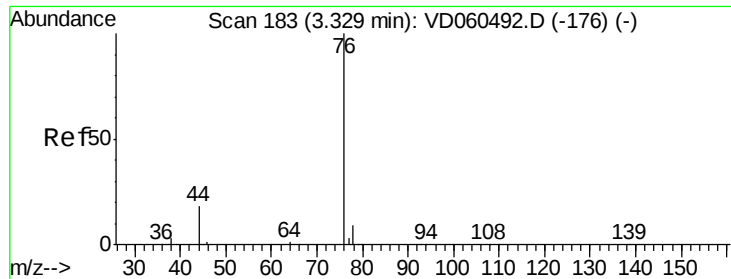
Tgt Ion: 43 Resp: 185629

Ion Ratio Lower Upper

43 100

58 21.0 17.3 25.9

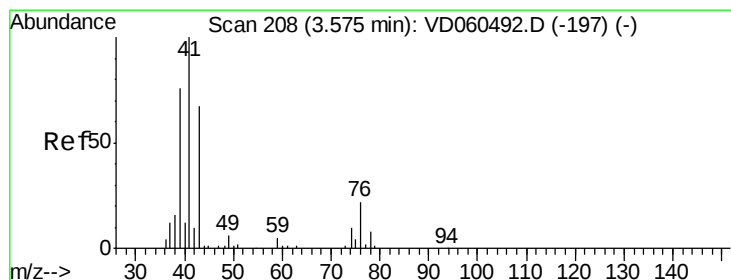
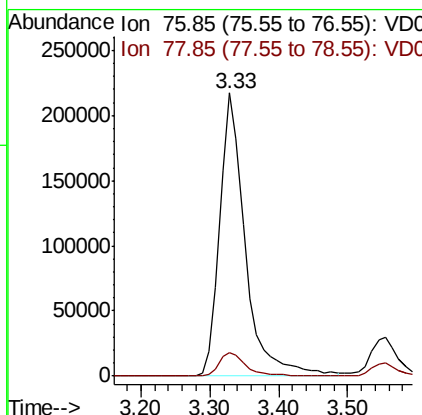
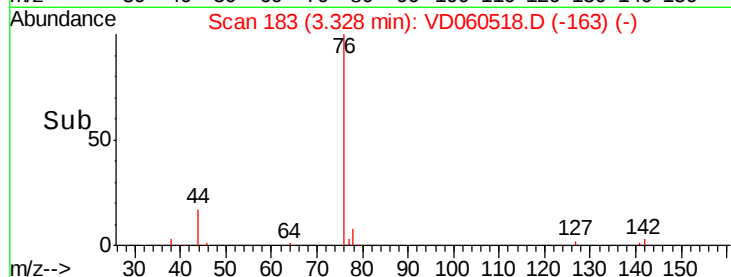
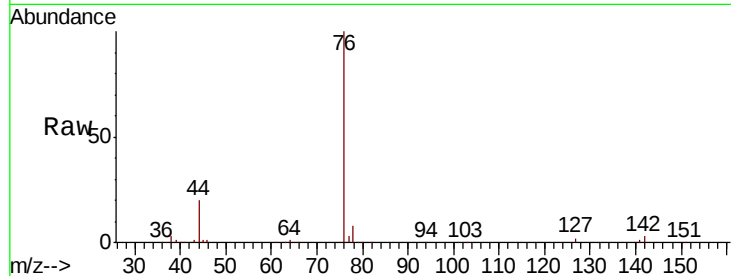




#17
Carbon Disulfide
Concen: 21.255 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

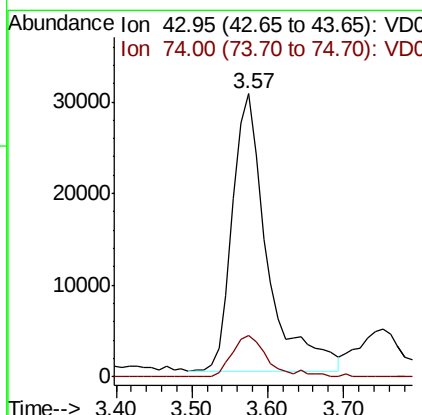
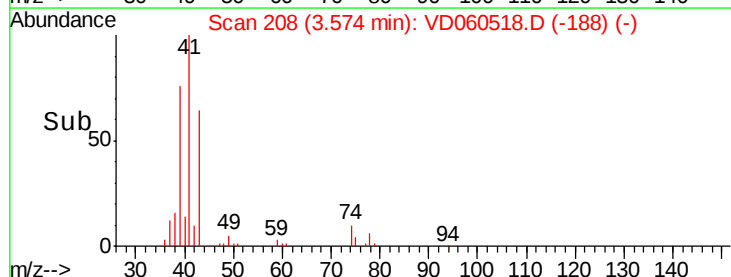
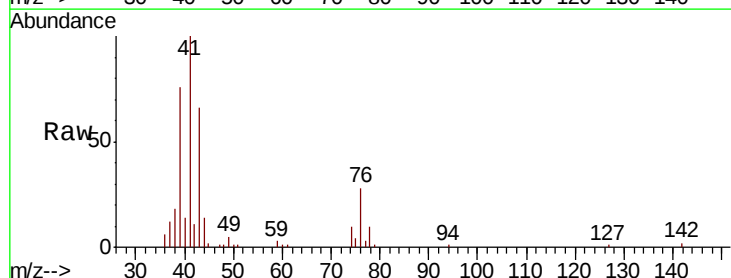
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

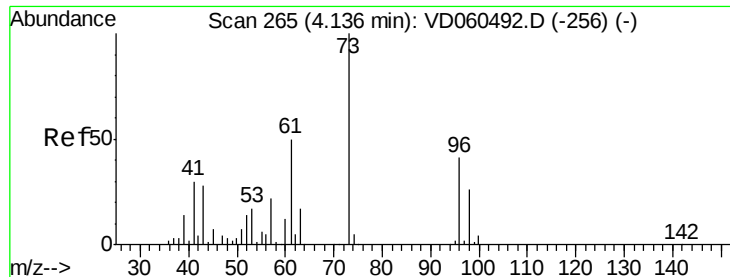
Tot Ion: 76 Resp: 561021
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6



#18
Methyl Acetate
Concen: 22.008 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 43 Resp: 96611
Ion Ratio Lower Upper
43 100
74 14.5 12.0 18.0

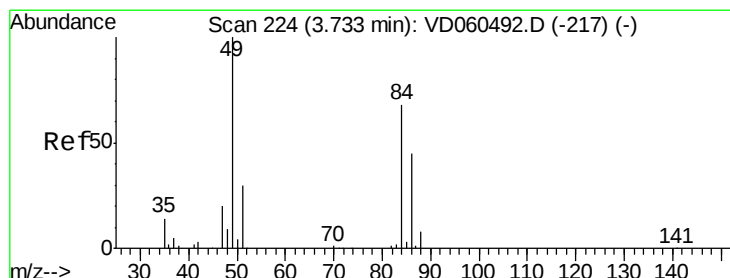
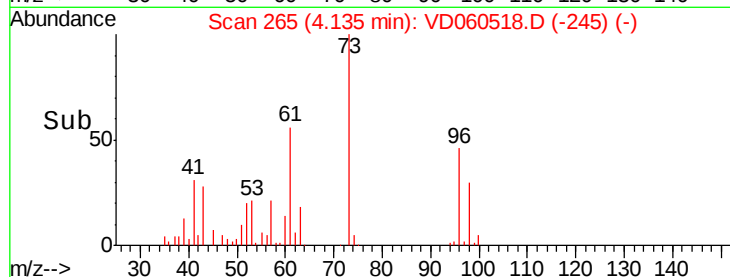
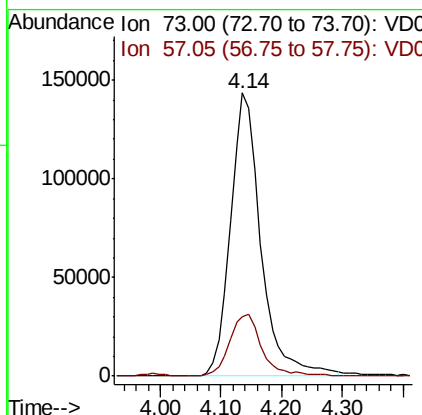
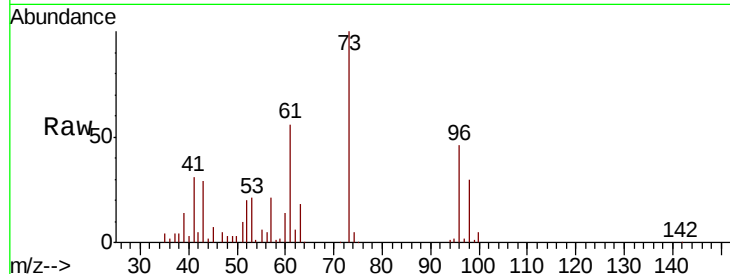




#19
Methyl tert-butyl Ether
Concen: 22.258 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

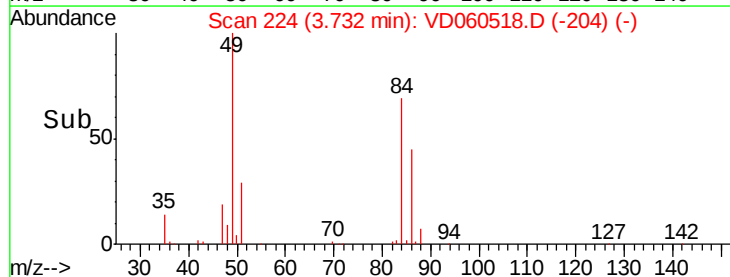
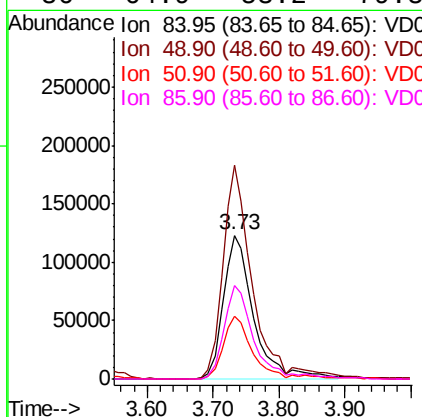
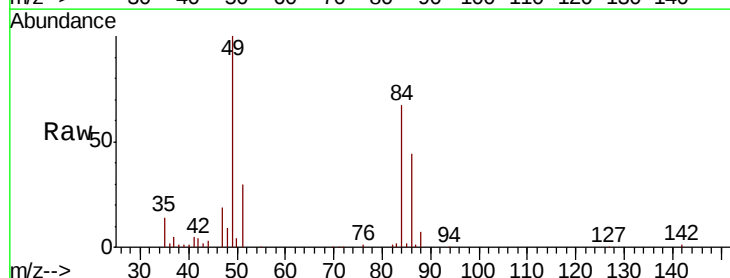
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

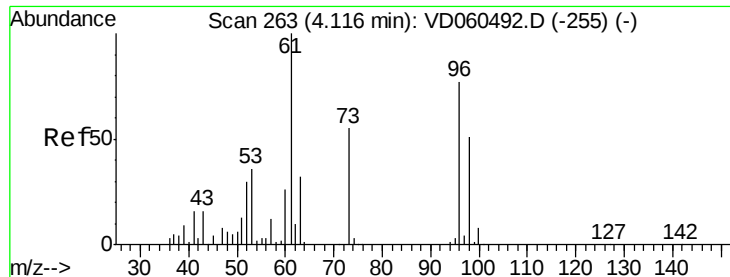
Tot Ion: 73 Resp: 501559
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.6



#20
Methylene Chloride
Concen: 20.564 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 84 Resp: 393416
Ion Ratio Lower Upper
84 100
49 148.4 117.2 175.8
51 43.9 35.3 52.9
86 64.9 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.824 ug/l

RT: 4.12 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

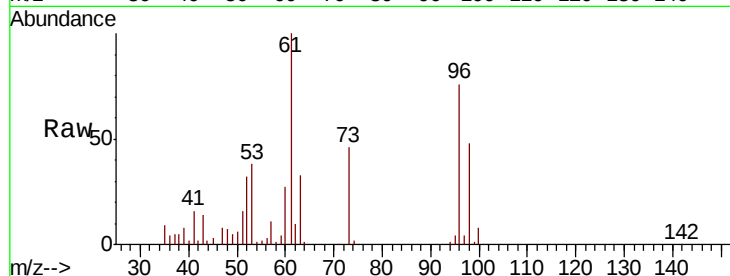
Tot Ion: 96 Resp: 385758

Ion Ratio Lower Upper

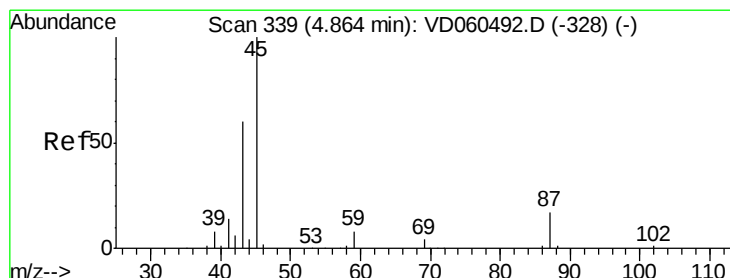
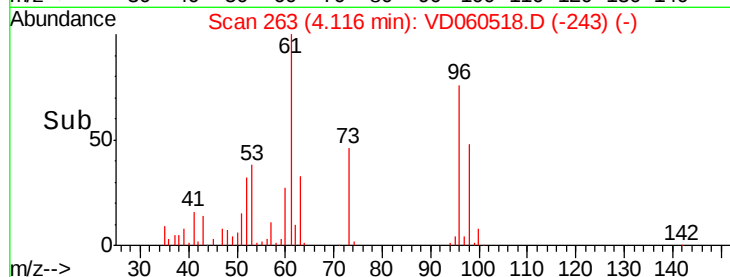
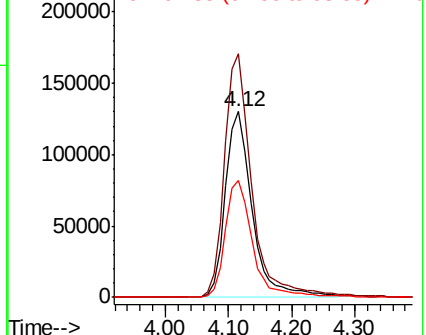
96 100

61 131.1 104.2 156.4

98 62.7 52.8 79.2



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



#22

Diisopropyl ether

Concen: 21.996 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Tgt Ion: 45 Resp: 1217527

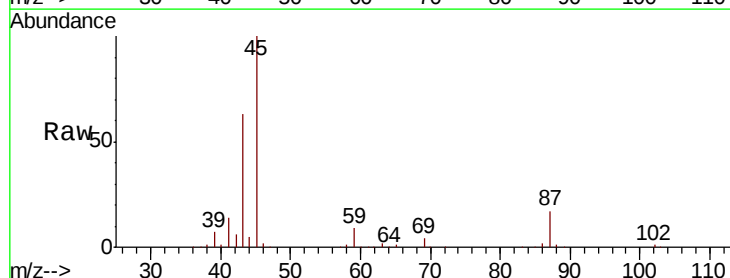
Ion Ratio Lower Upper

45 100

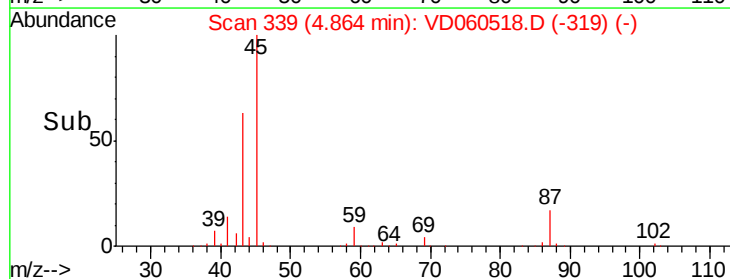
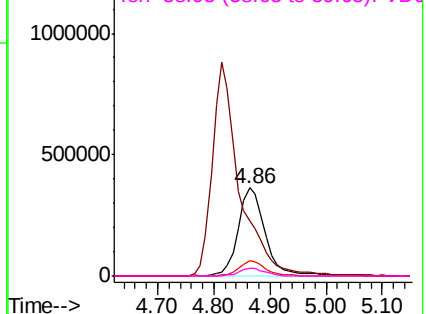
43 63.2 48.6 73.0

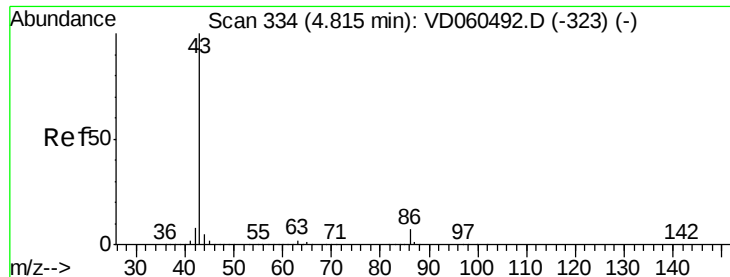
87 16.8 14.0 21.0

59 8.7 6.9 10.3



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





#23

Vinyl Acetate

Concen: 109.218 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

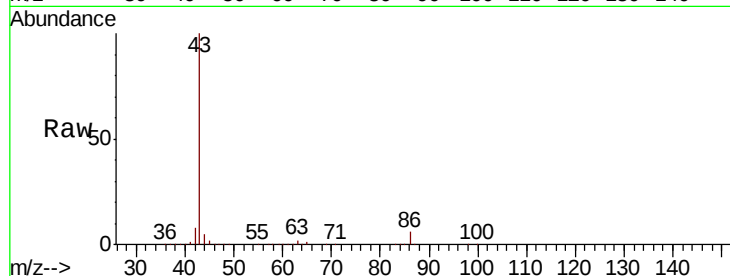
VD1210SBSD01

Tot Ion: 43 Resp: 2995321

Ion Ratio Lower Upper

43 100

86 6.3 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

600000

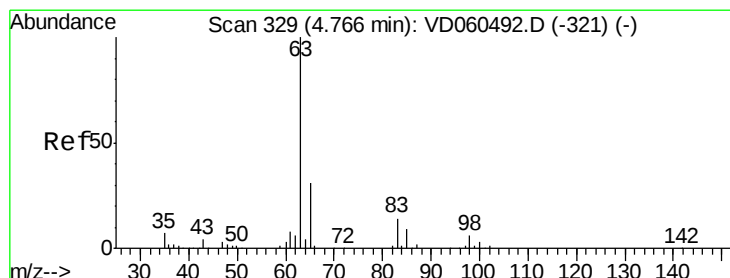
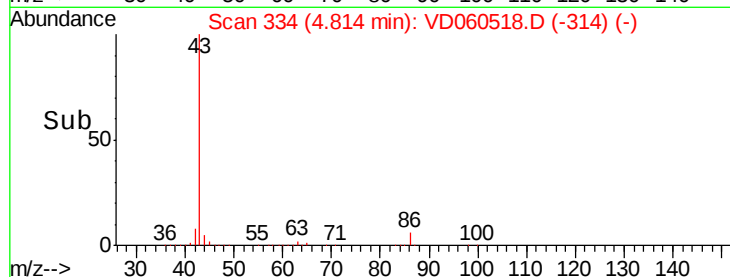
400000

200000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.289 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

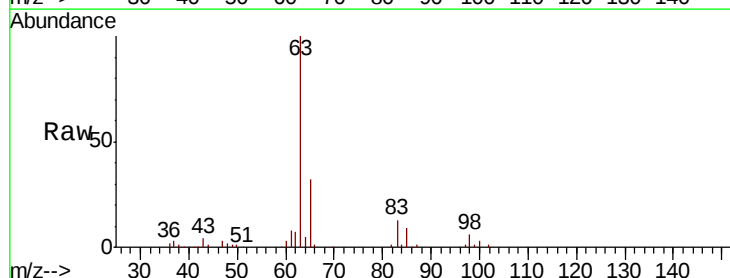
Tgt Ion: 63 Resp: 612188

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.3 1.7 5.1



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

250000

200000

150000

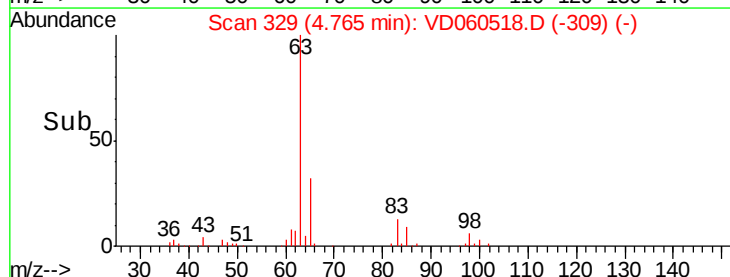
100000

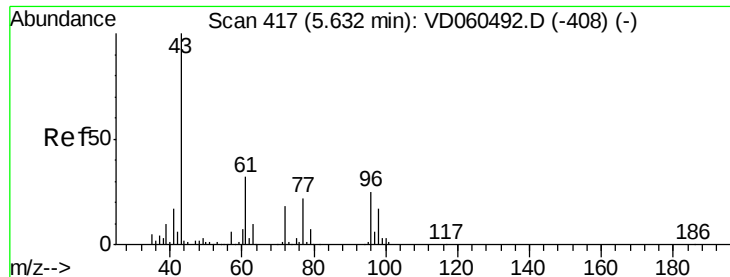
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 105.958 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

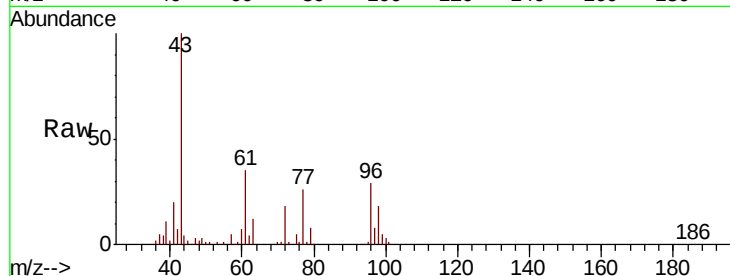
VD1210SBS01

Tot Ion: 43 Resp: 385034

Ion Ratio Lower Upper

43 100

72 18.1 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

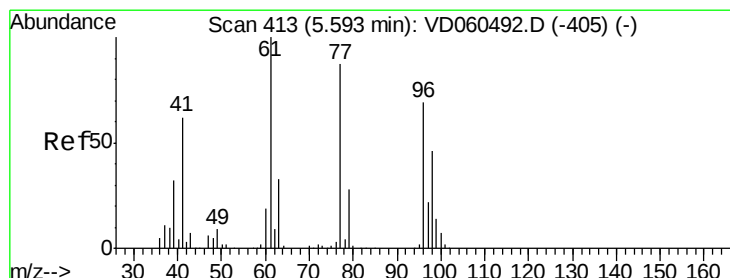
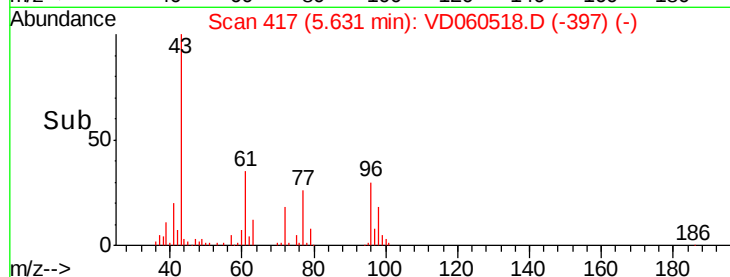
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.971 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060518.D

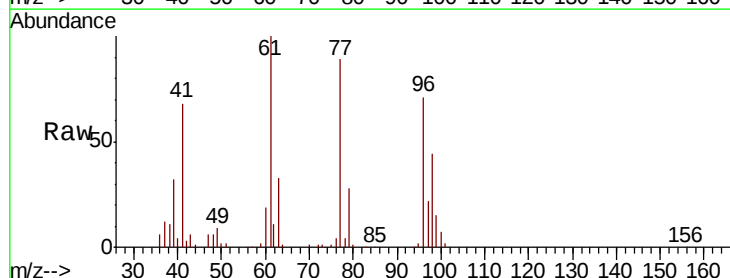
Acq: 10 Dec 2018 12:04

Tgt Ion: 77 Resp: 488081

Ion Ratio Lower Upper

77 100

97 24.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

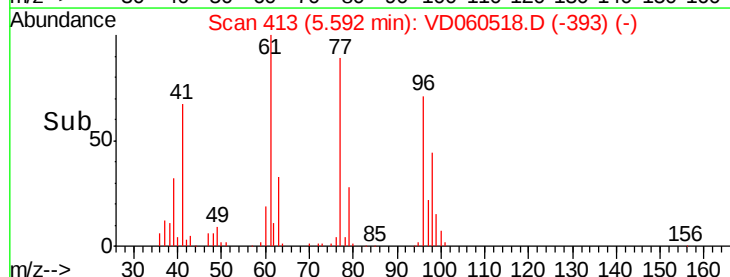
100000

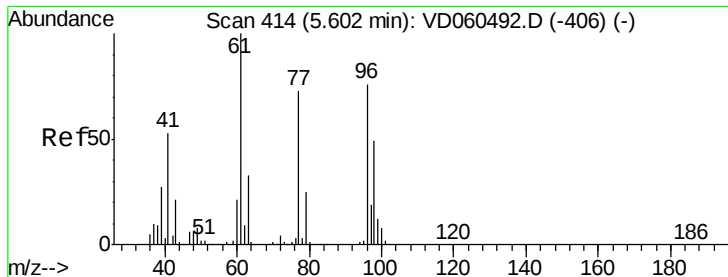
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



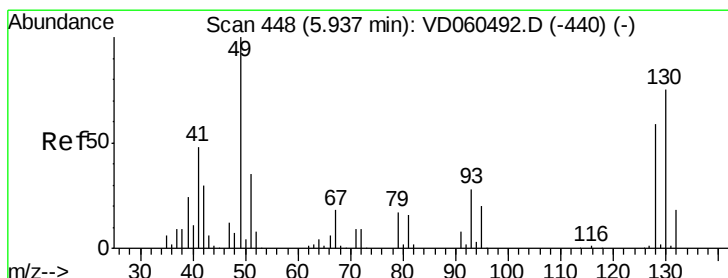
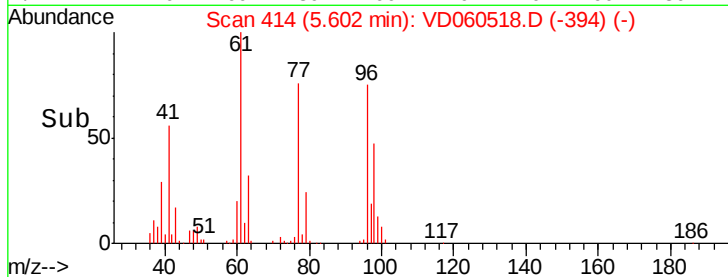
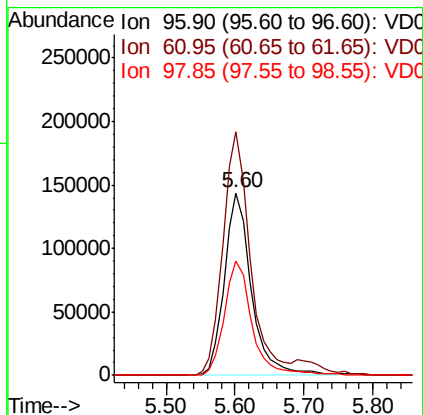
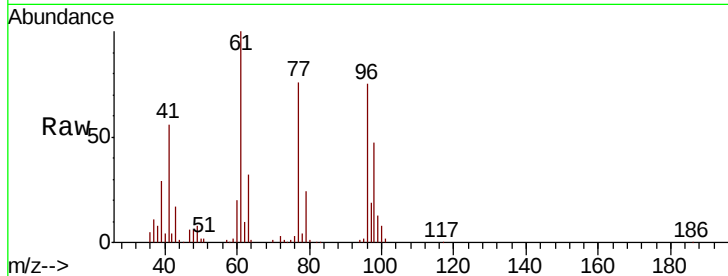


#27

cis-1,2-Dichloroethene
 Concen: 21.770 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

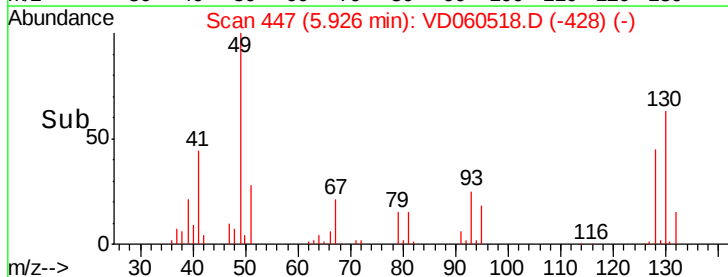
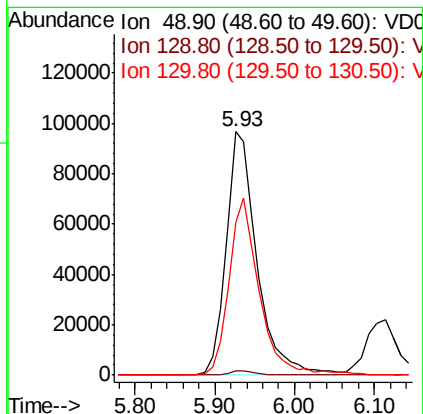
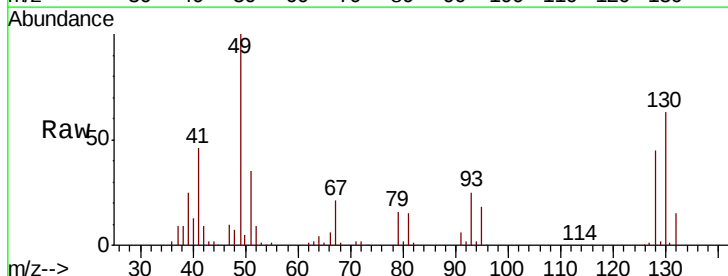
Tot Ion: 96 Resp: 391251
 Ion Ratio Lower Upper
 96 100
 61 133.4 0.0 263.6
 98 62.4 0.0 128.2



#28

Bromochloromethane
 Concen: 20.571 ug/l
 RT: 5.93 min Scan# 447
 Delta R.T. -0.01 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Tgt Ion: 49 Resp: 262052
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.4
 130 62.8 59.8 89.6

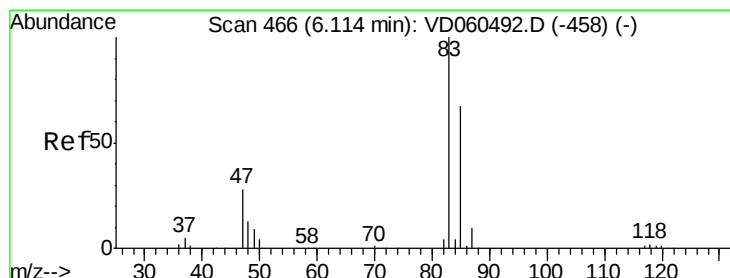
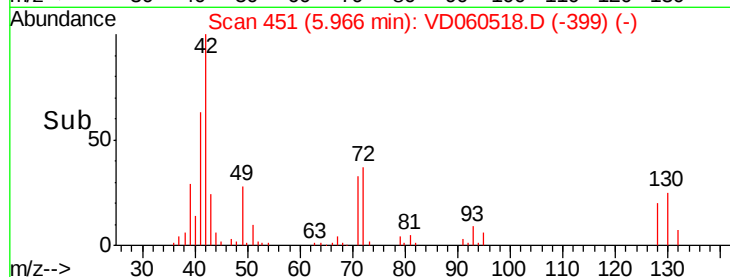
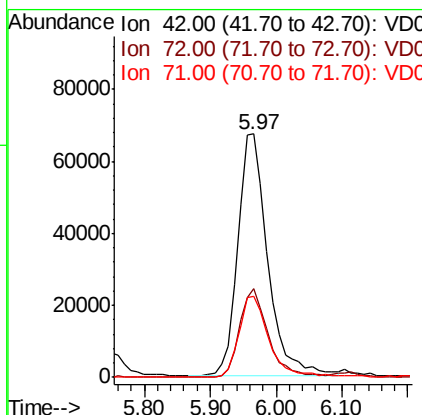
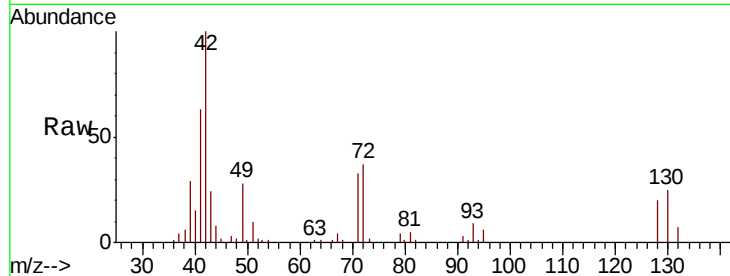




#29
Tetrahydrofuran
Concen: 104.984 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.01 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

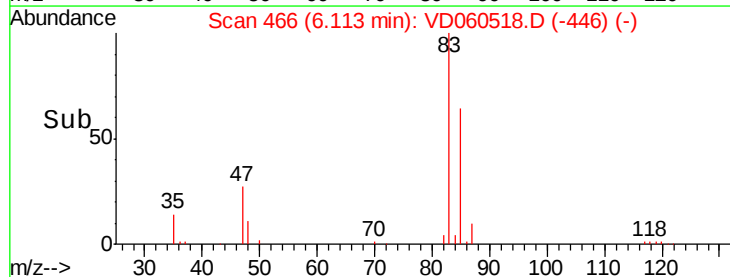
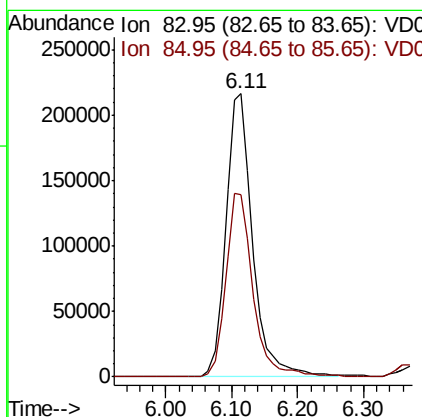
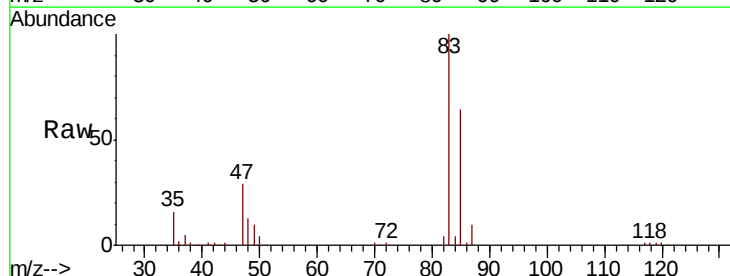
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

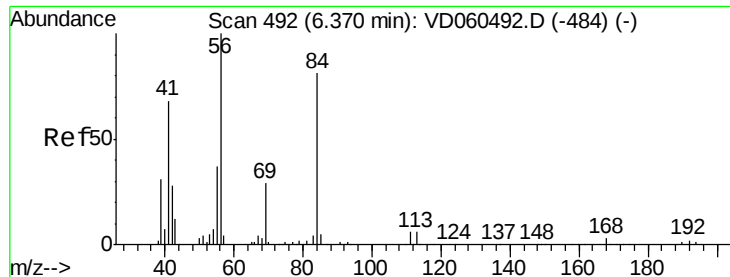
Tot Ion: 42 Resp: 216033
Ion Ratio Lower Upper
42 100
72 34.9 28.0 42.0
71 33.3 27.2 40.8



#30
Chloroform
Concen: 21.097 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 83 Resp: 611198
Ion Ratio Lower Upper
83 100
85 64.3 53.4 80.2

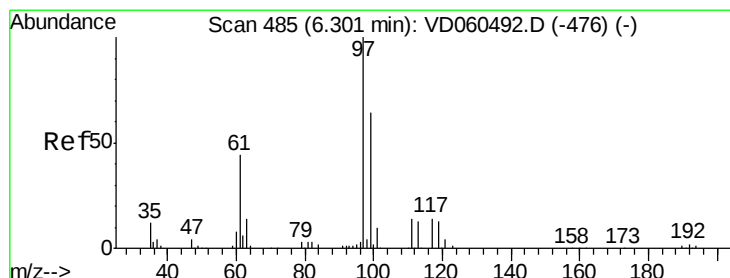
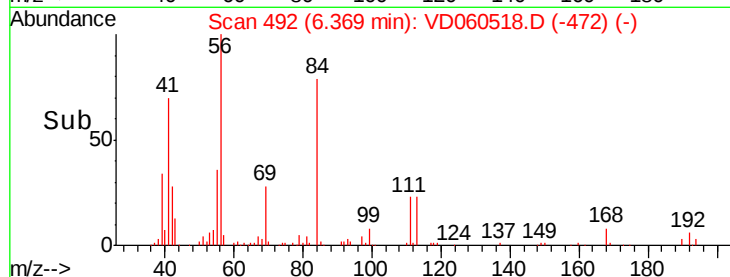
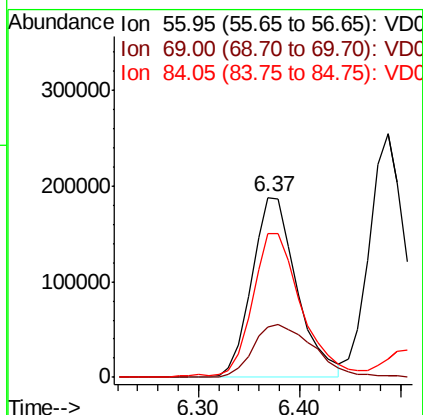
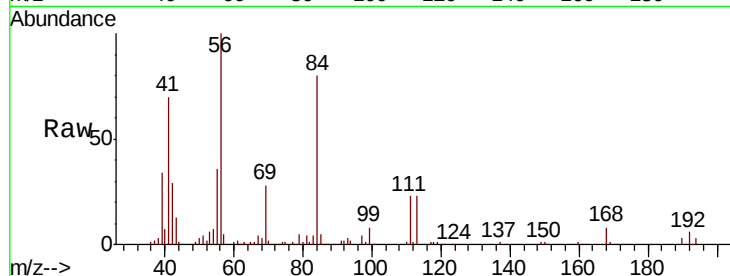




#31
Cyclohexane
Concen: 21.514 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

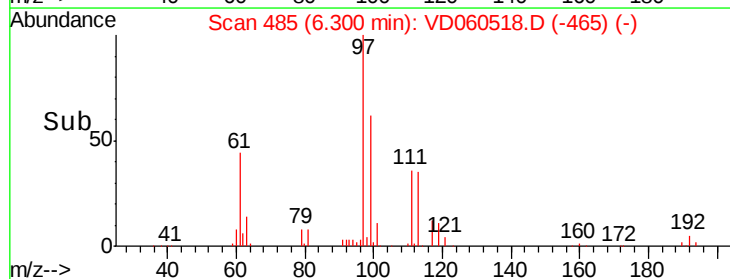
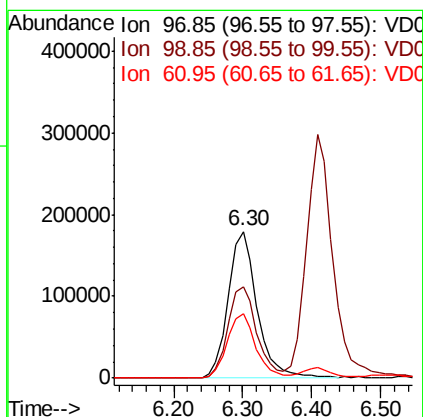
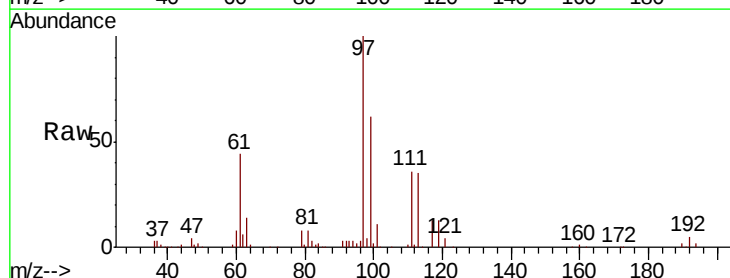
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

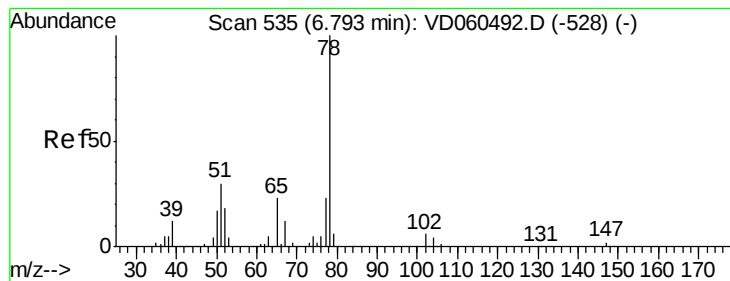
Tot Ion: 56 Resp: 582700
Ion Ratio Lower Upper
56 100
69 28.2 22.8 34.2
84 79.7 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 21.967 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 97 Resp: 523175
Ion Ratio Lower Upper
97 100
99 62.3 51.0 76.4
61 43.6 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 21.967 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

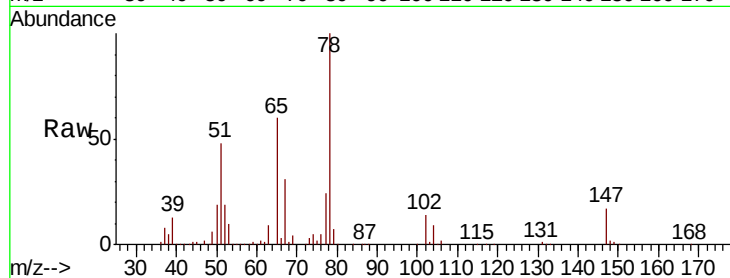
VD1210SBS01

Tot Ion: 65 Resp: 625504

Ion Ratio Lower Upper

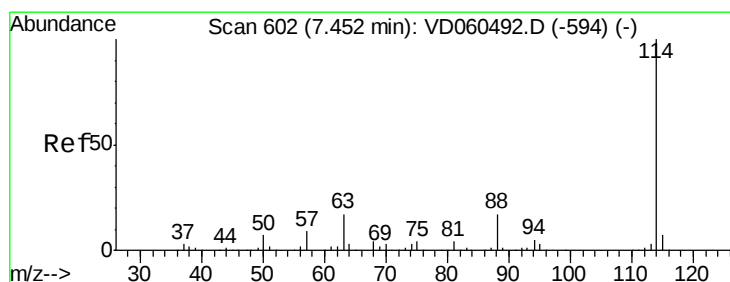
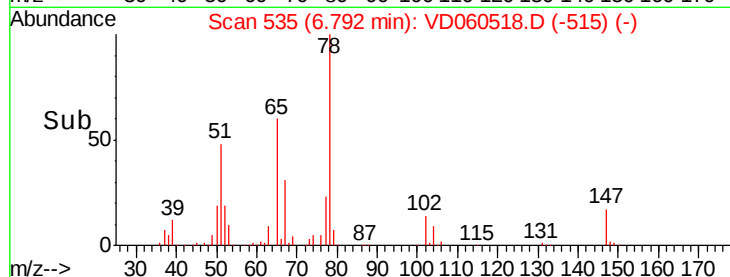
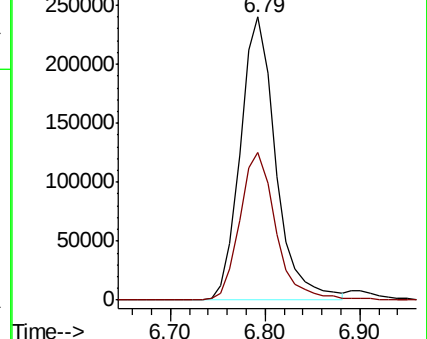
65 100

67 52.2 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

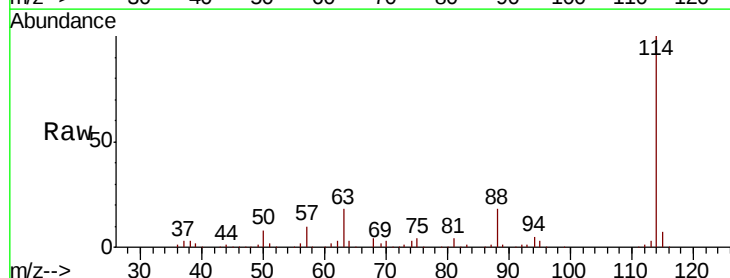
Tgt Ion: 114 Resp: 2277794

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.2

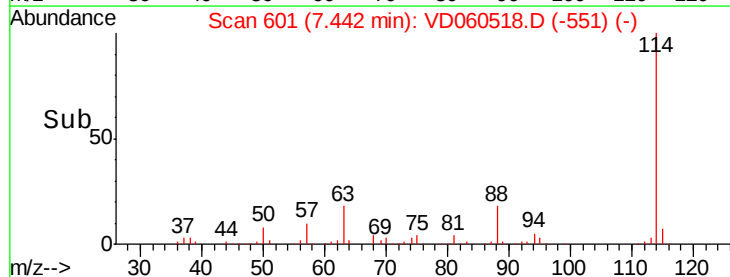
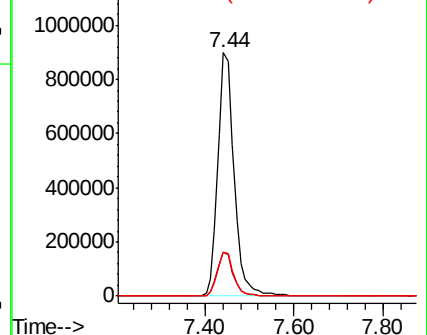
88 17.8 0.0 35.0

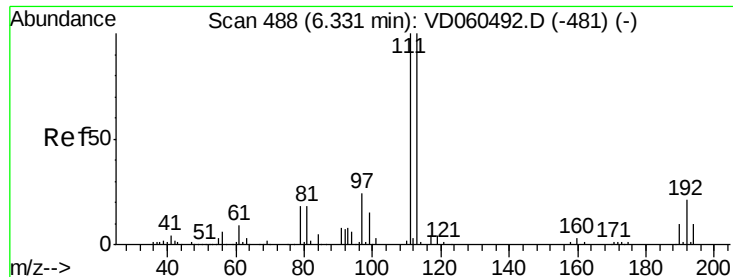


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

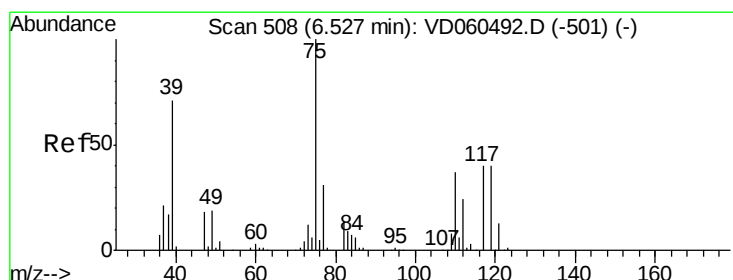
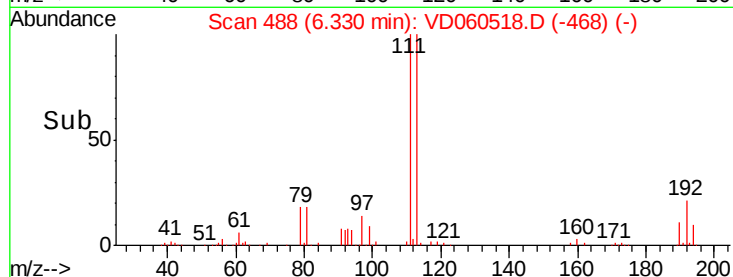
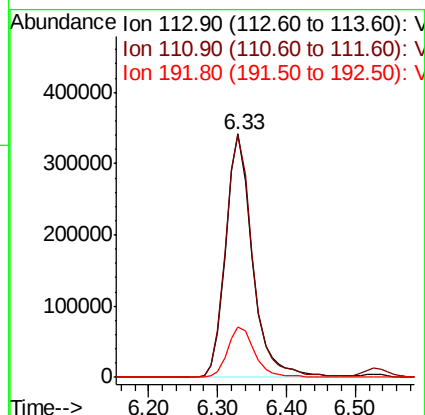
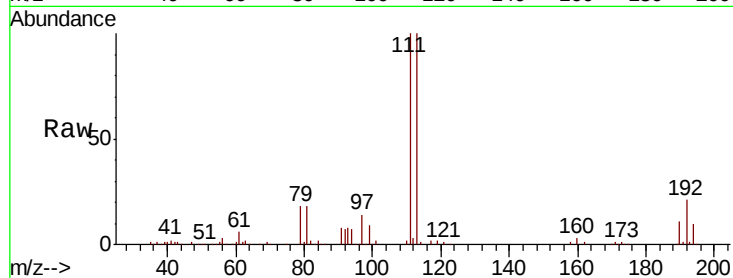




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

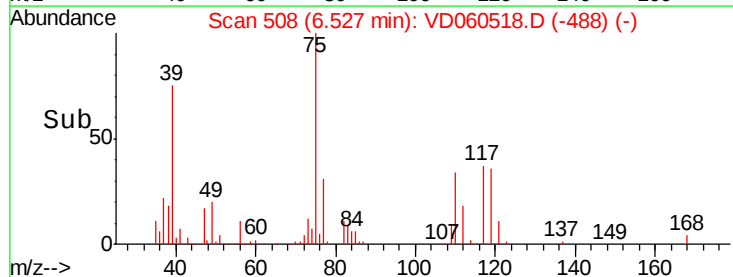
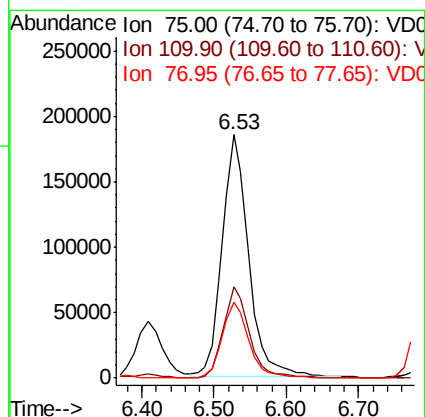
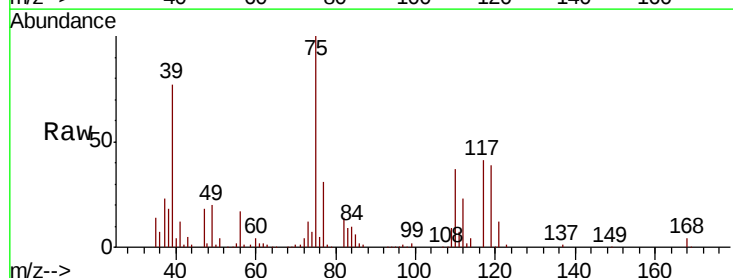
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

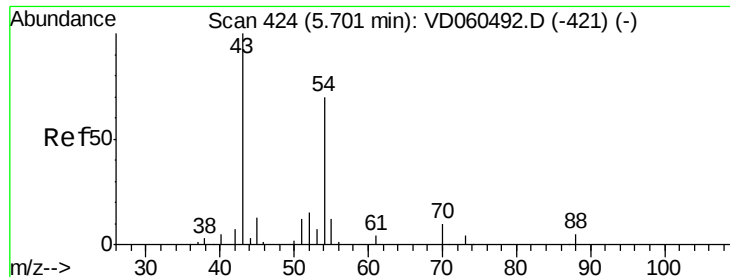
Tot Ion:113 Resp: 920651
Ion Ratio Lower Upper
113 100
111 99.6 80.2 120.4
192 20.8 16.6 24.8



#36
1,1-Dichloropropene
Concen: 21.110 ug/l
RT: 6.53 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 75 Resp: 470020
Ion Ratio Lower Upper
75 100
110 37.3 18.3 54.8
77 31.0 24.6 37.0

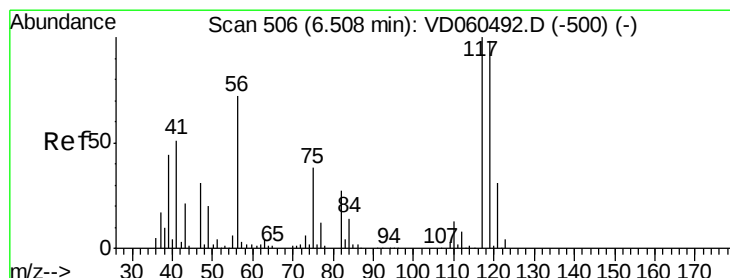
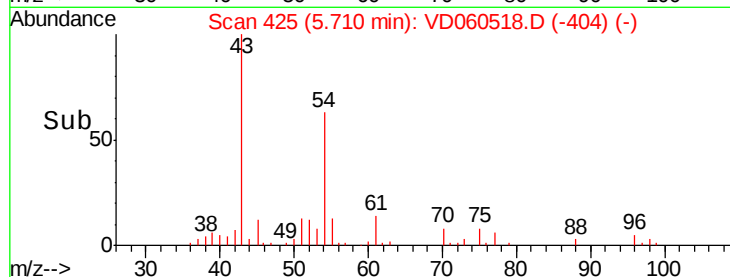
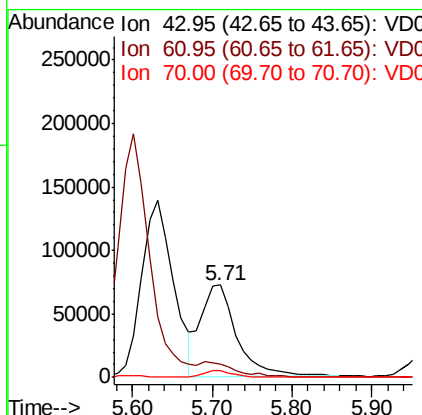
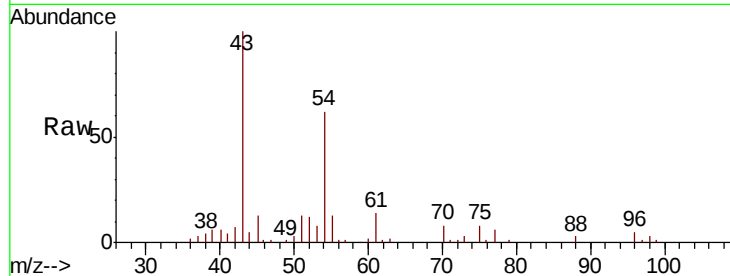




#37
Ethyl Acetate
Concen: 23.223 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

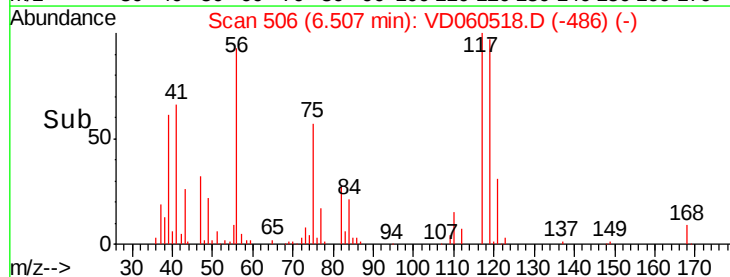
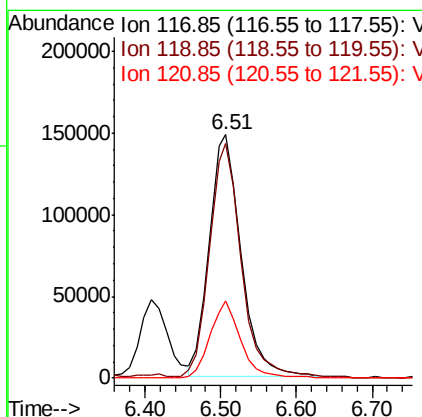
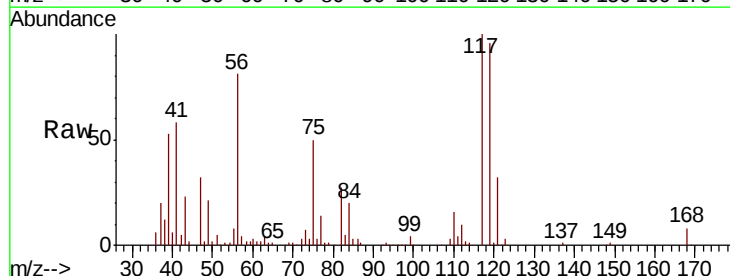
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

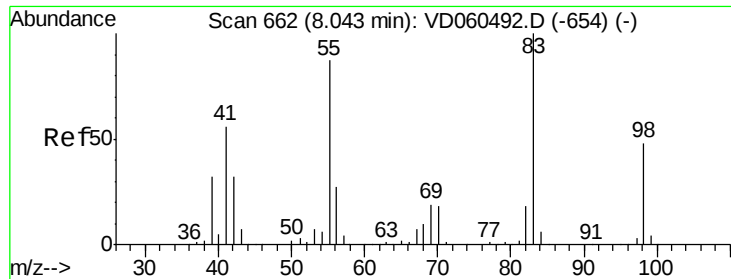
Tot Ion: 43 Resp: 224242
Ion Ratio Lower Upper
43 100
61 14.3 12.4 18.6
70 7.5 5.4 8.0



#38
Carbon Tetrachloride
Concen: 21.776 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 117 Resp: 435274
Ion Ratio Lower Upper
117 100
119 96.2 76.8 115.2
121 31.5 24.4 36.6

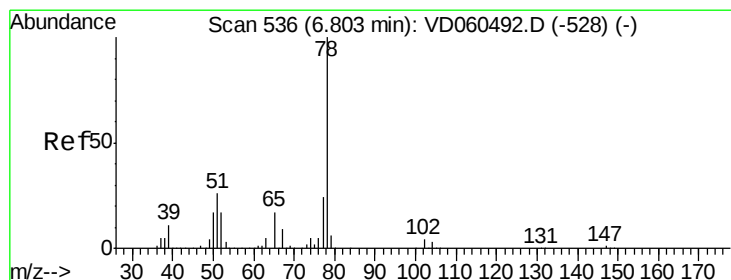
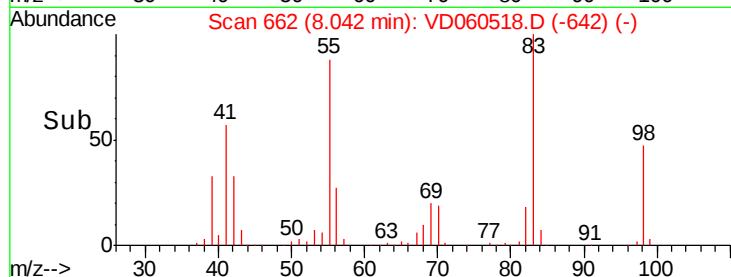
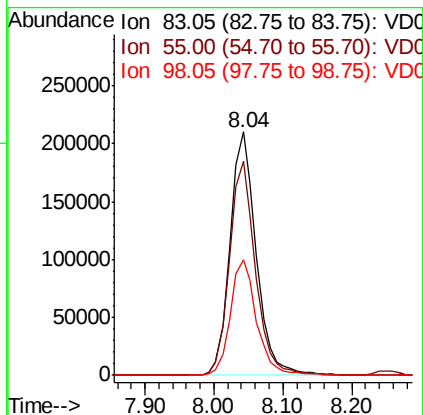
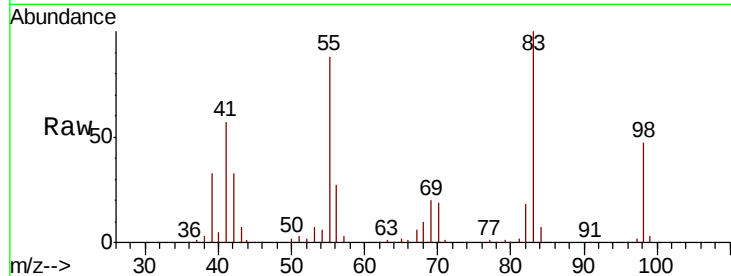




#39
Methvlcvclohexane
Concen: 21.749 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

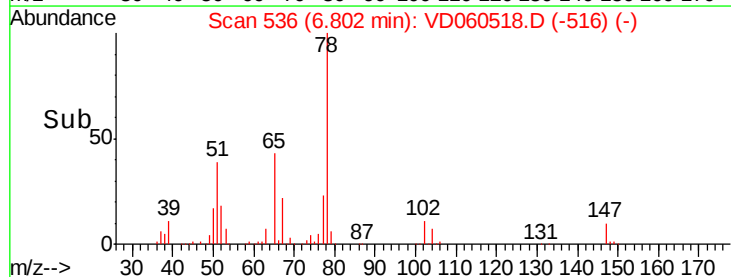
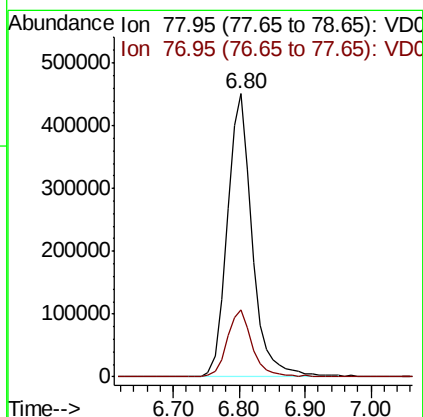
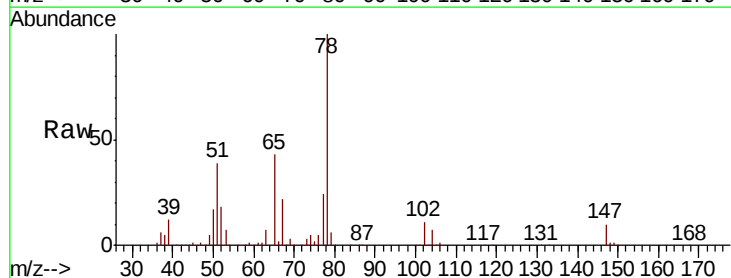
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

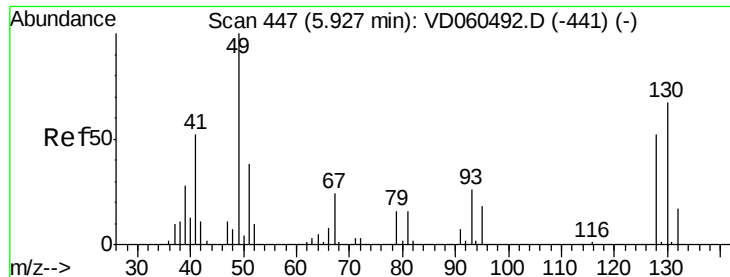
Tot Ion: 83 Resp: 552016
Ion Ratio Lower Upper
83 100
55 88.1 69.8 104.8
98 47.4 38.4 57.6



#40
Benzene
Concen: 20.998 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 78 Resp: 1194850
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3





#41

Methacrylonitrile

Concen: 45.345 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

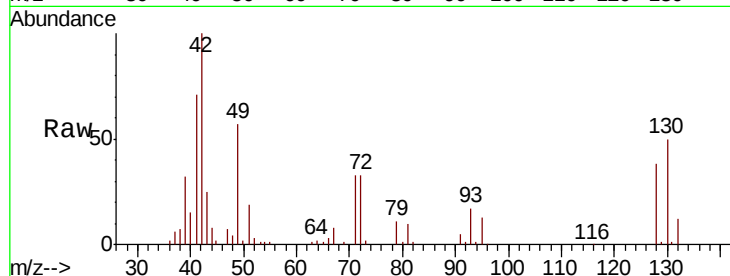
ClientSampleId :

VD1210SBS01

Tot Ion: 41 Resp: 236032

Ion Ratio Lower Upper

41	100		
39	45.4	42.6	63.8
67	10.6	36.2	54.4#
52	4.5	15.6	23.4#

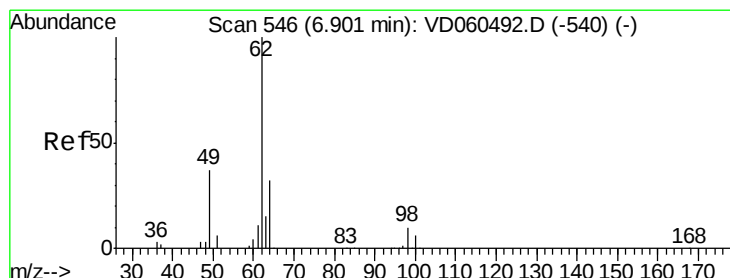
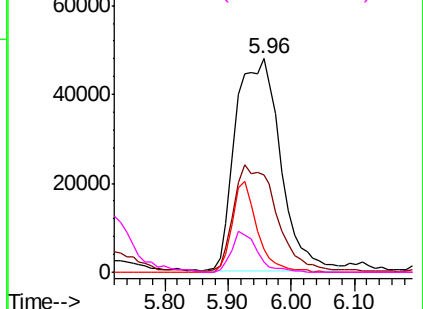
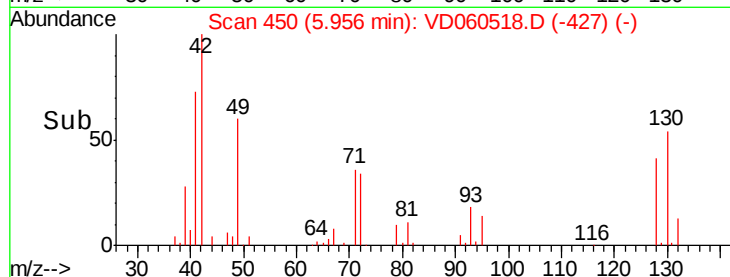


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.078 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.00 min

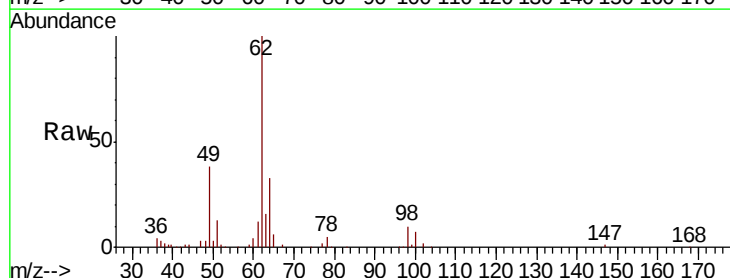
Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Tgt Ion: 62 Resp: 304948

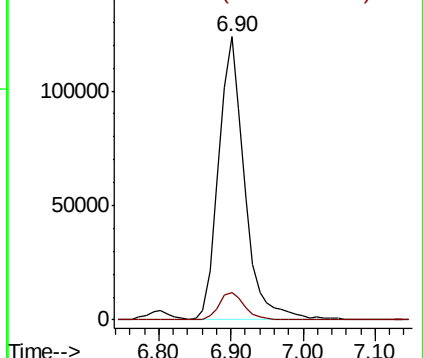
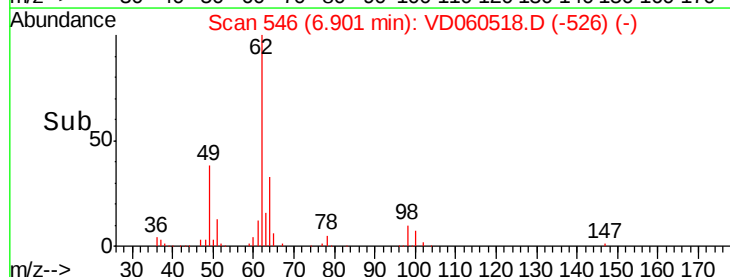
Ion Ratio Lower Upper

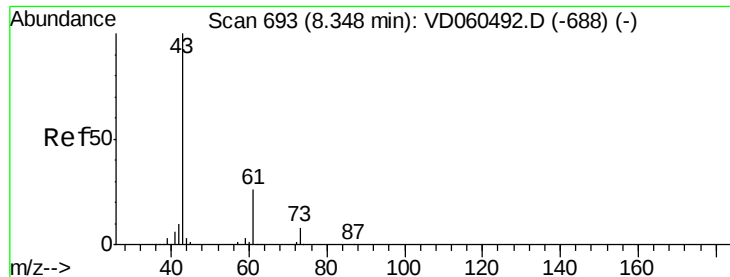
62	100		
98	9.8	0.0	20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.839 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

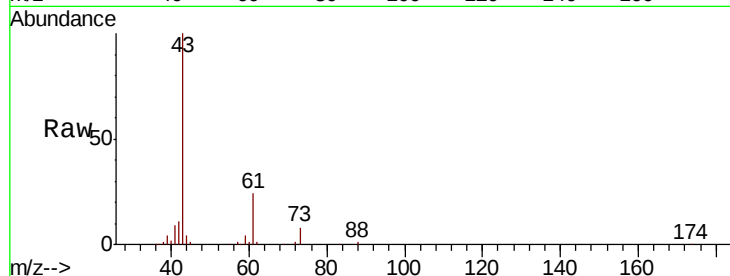
Tot Ion: 43 Resp: 260315

Ion Ratio Lower Upper

43 100

61 24.4 21.0 31.4

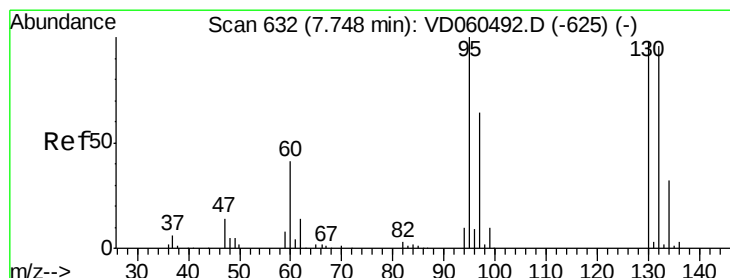
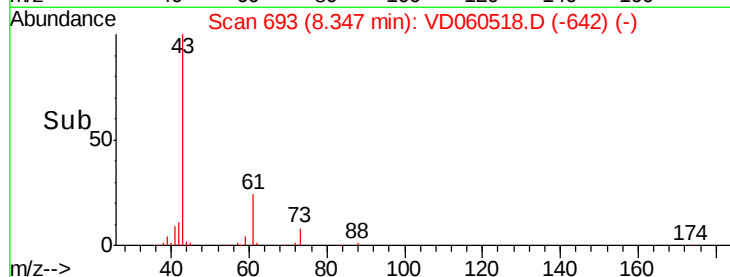
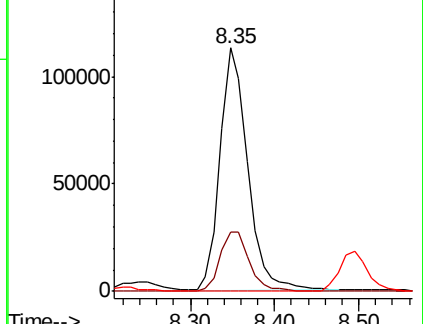
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.337 ug/l

RT: 7.75 min Scan# 632

Delta R.T. -0.00 min

Lab File: VD060518.D

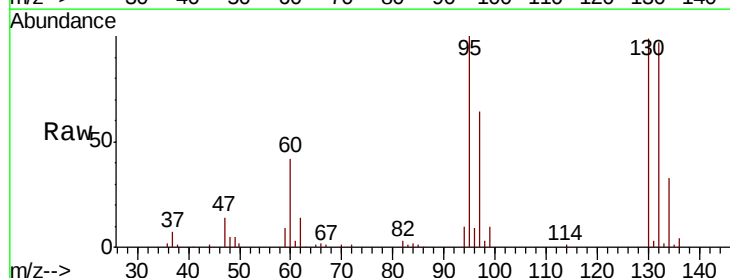
Acq: 10 Dec 2018 12:04

Tgt Ion:130 Resp: 362845

Ion Ratio Lower Upper

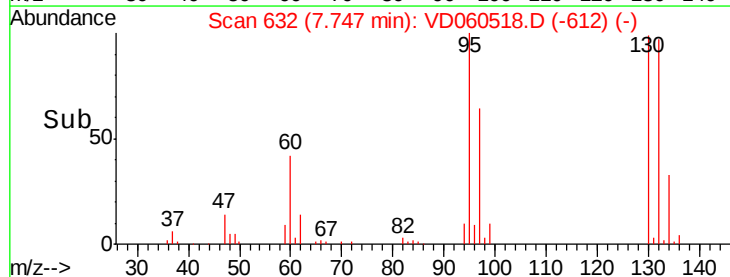
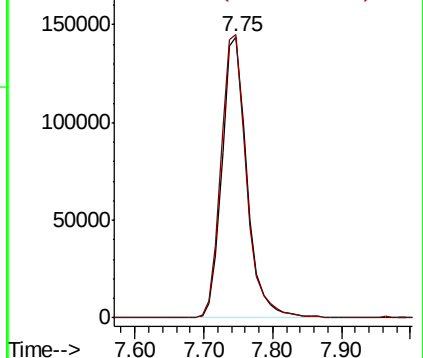
130 100

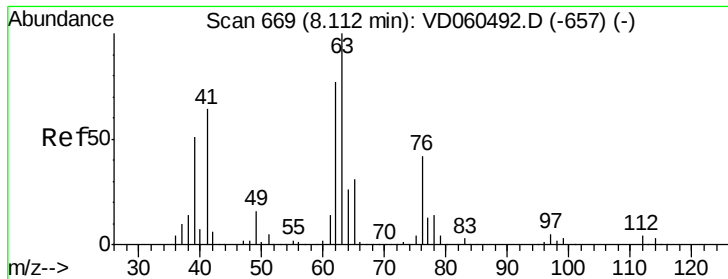
95 100.6 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.188 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.01 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

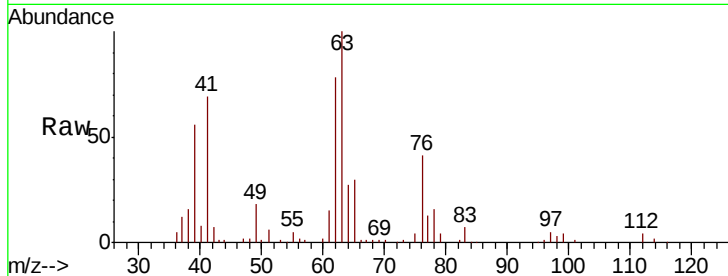
VD1210SBS01

Tot Ion: 63 Resp: 298180

Ion Ratio Lower Upper

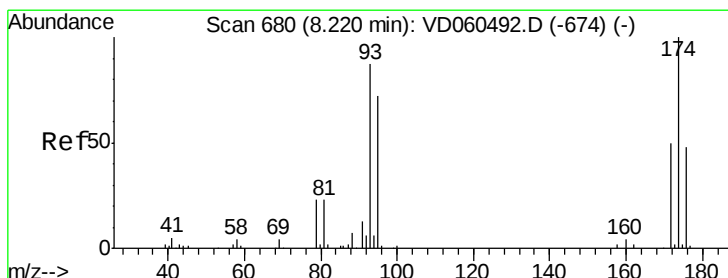
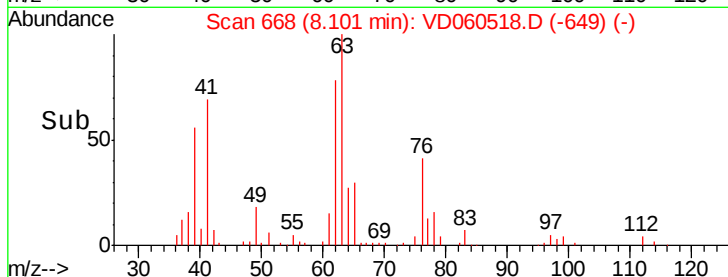
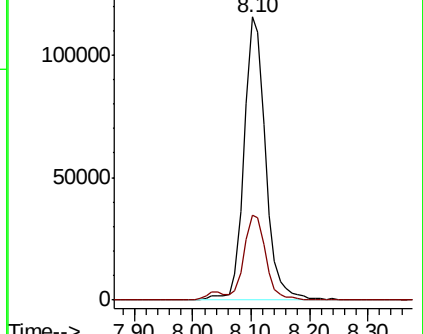
63 100

65 29.8 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.640 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

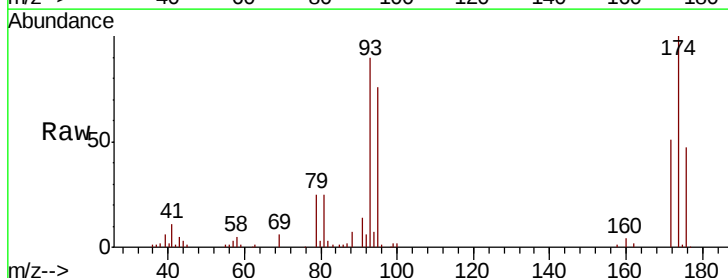
Tgt Ion: 93 Resp: 175961

Ion Ratio Lower Upper

93 100

95 84.0 65.6 98.4

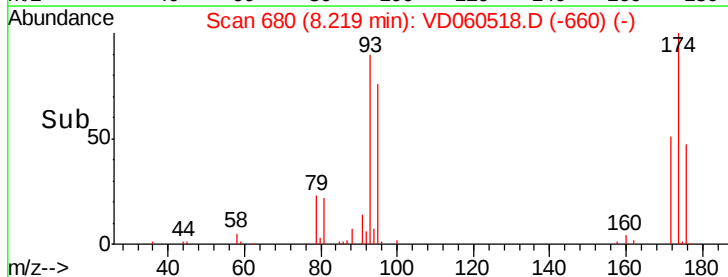
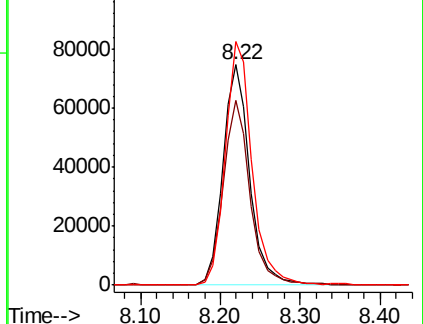
174 110.7 91.7 137.5

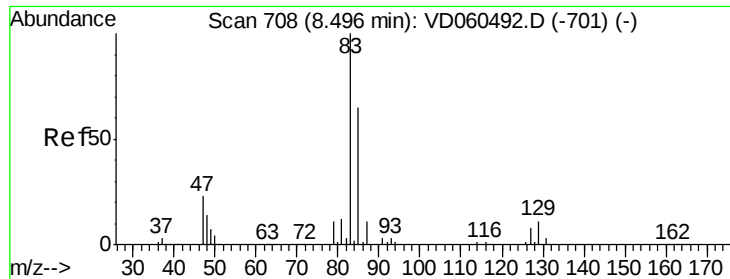


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.428 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

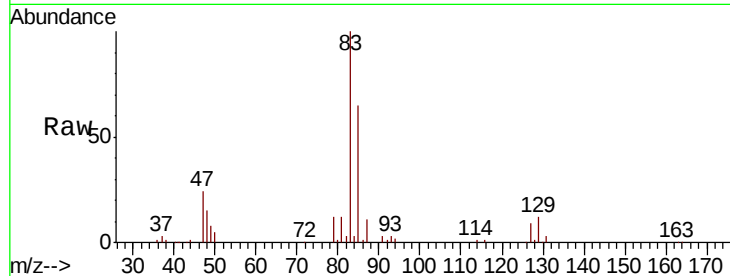
Tot Ion: 83 Resp: 413420

Ion Ratio Lower Upper

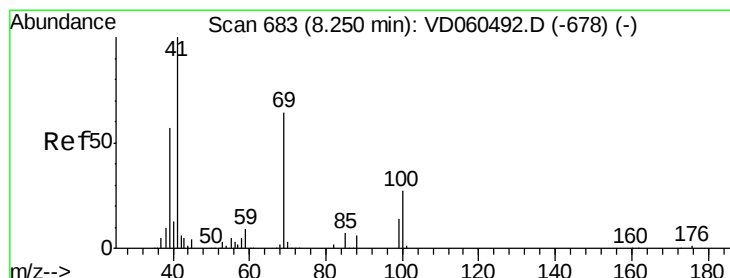
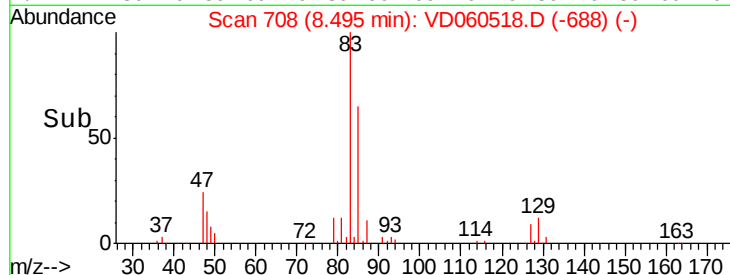
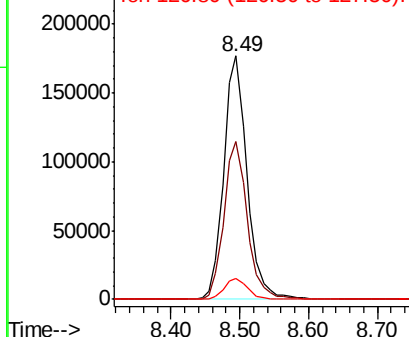
83 100

85 64.8 52.2 78.4

127 8.8 6.7 10.1



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



#48

Methyl methacrylate

Concen: 22.138 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

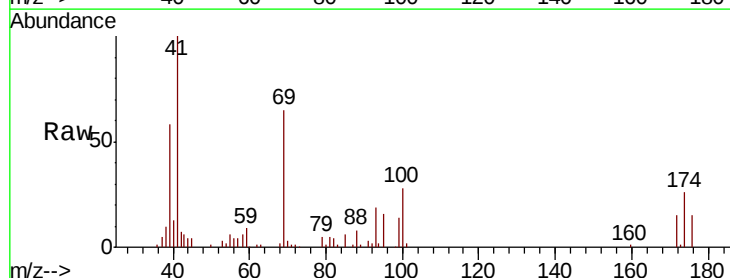
Tgt Ion: 41 Resp: 156134

Ion Ratio Lower Upper

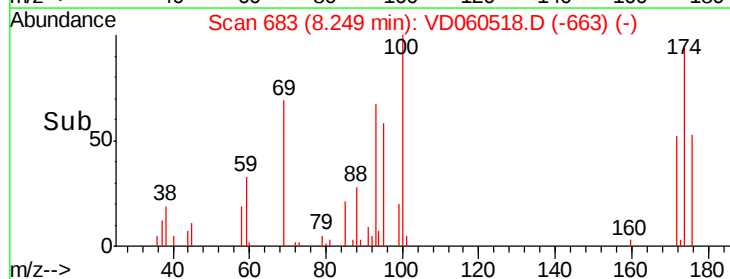
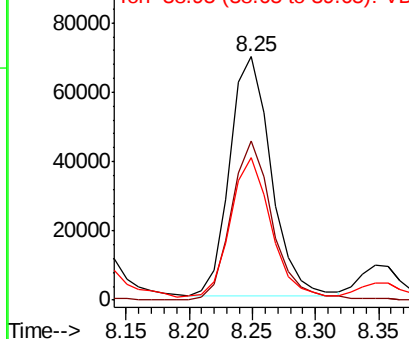
41 100

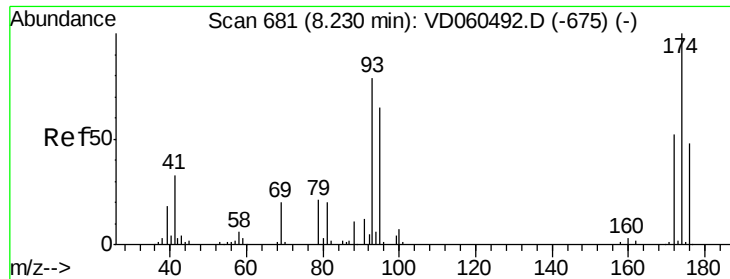
69 65.4 50.2 75.4

39 58.5 46.1 69.1



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

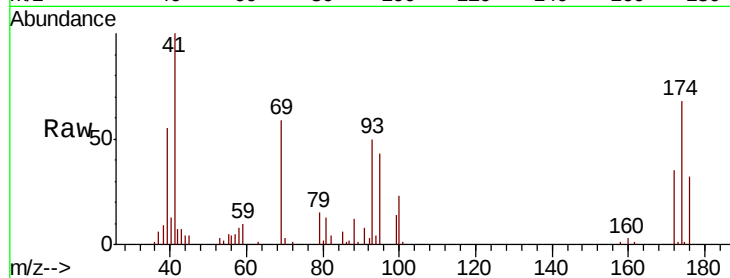




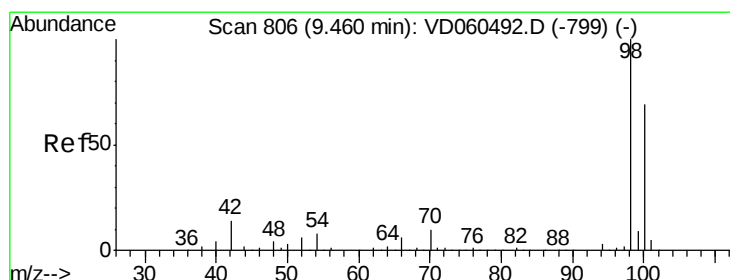
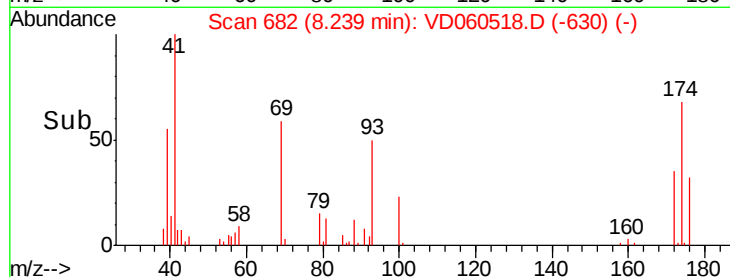
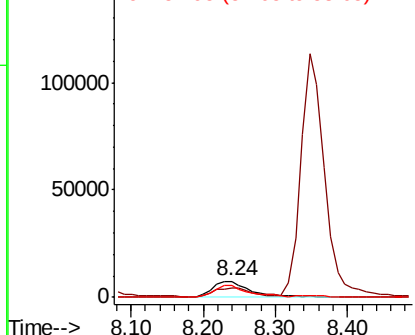
#49
1,4-Dioxane
Concen: 442.059 ug/l
RT: 8.24 min Scan# 682
Delta R.T. 0.01 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion: 88 Resp: 28257
Ion Ratio Lower Upper
88 100
43 54.1 32.9 49.3#
58 69.8 47.7 71.5

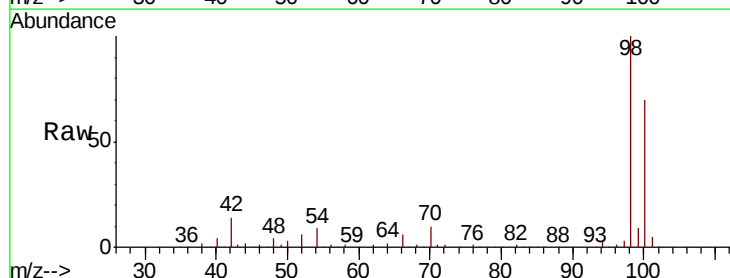


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

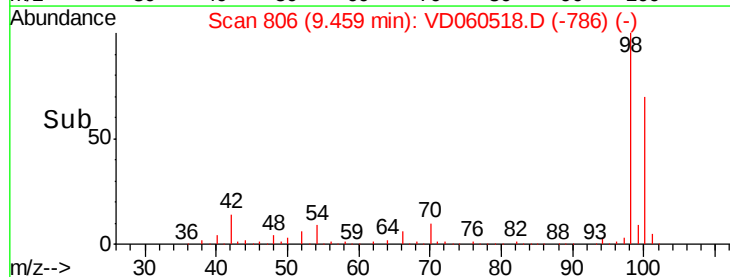
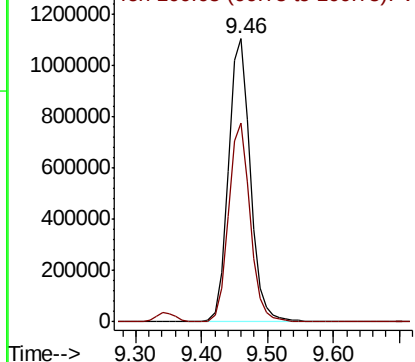


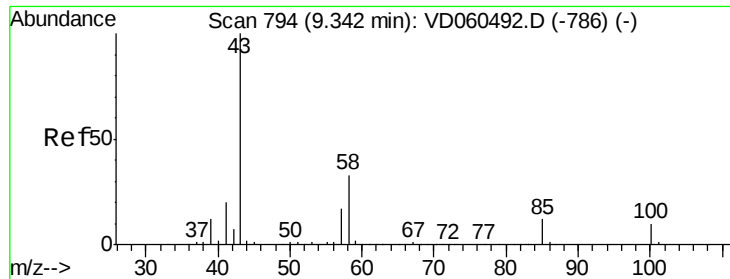
#50
Toluene-d8
Concen: 442.059 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 98 Resp: 2578281
Ion Ratio Lower Upper
98 100
100 70.2 55.7 83.5



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: 112.785 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

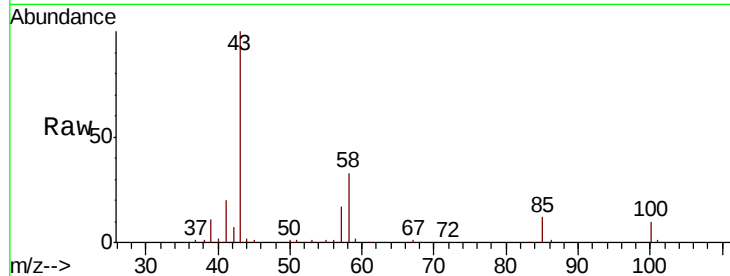
VD1210SBS01

Tot Ion: 43 Resp: 836247

Ion Ratio Lower Upper

43 100

58 32.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

400000

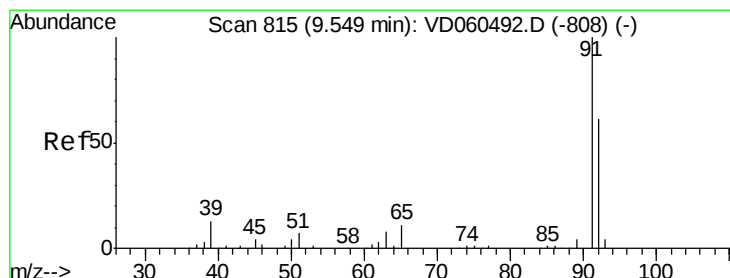
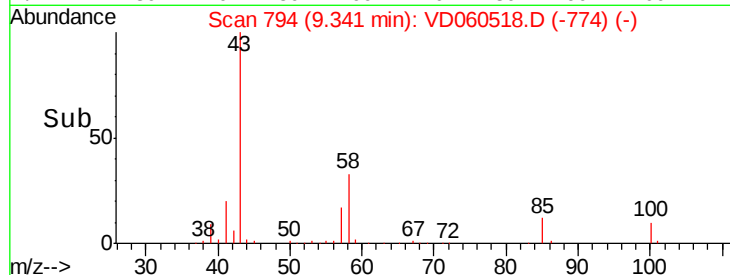
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.019 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060518.D

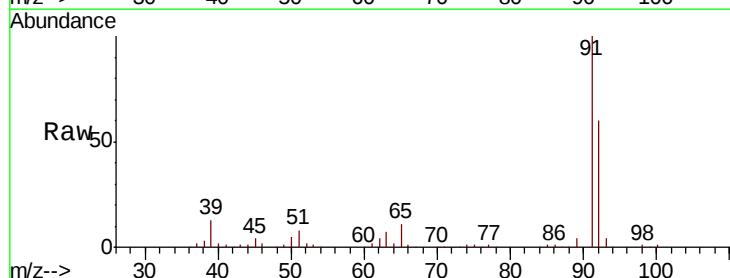
Acq: 10 Dec 2018 12:04

Tgt Ion: 92 Resp: 747535

Ion Ratio Lower Upper

92 100

91 166.5 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

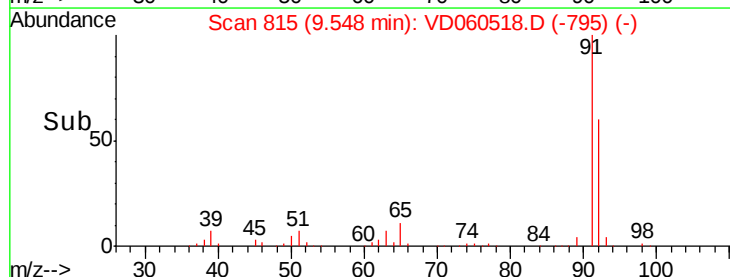
600000

400000

200000

0

Time-->

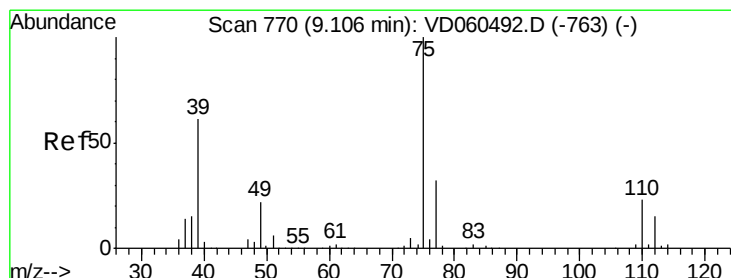
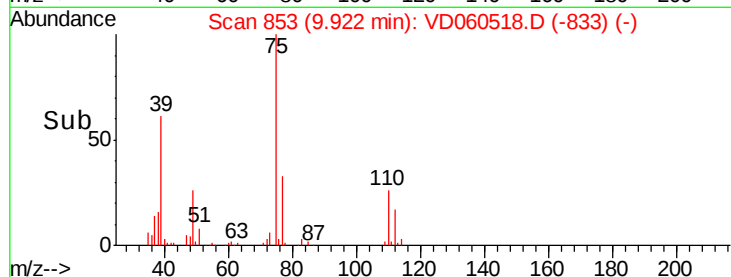
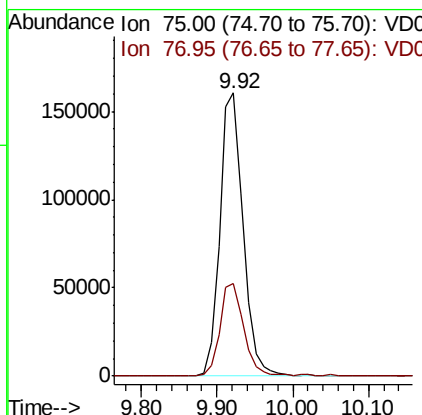
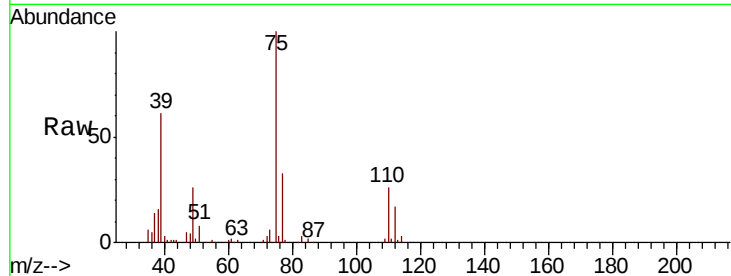




#53
 t-1,3-Dichloropropene
 Concen: 21.594 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

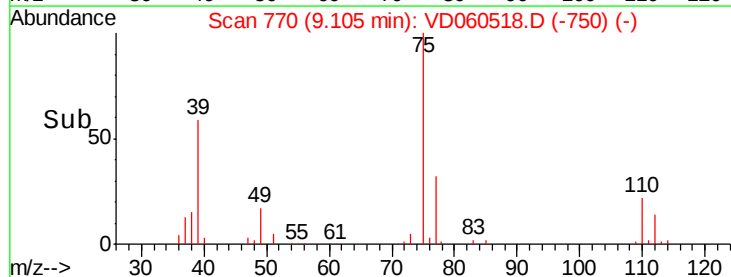
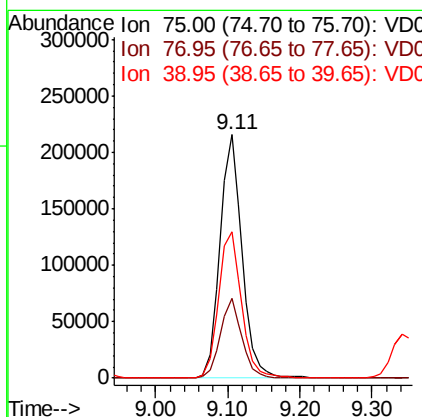
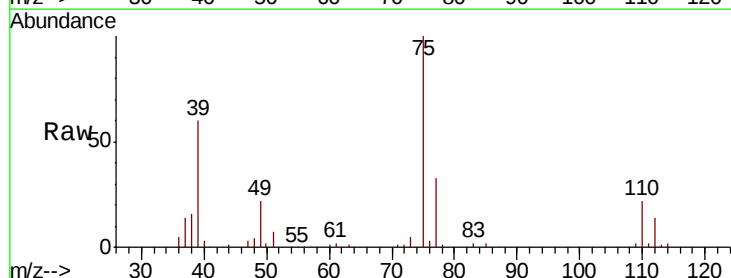
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBSD01

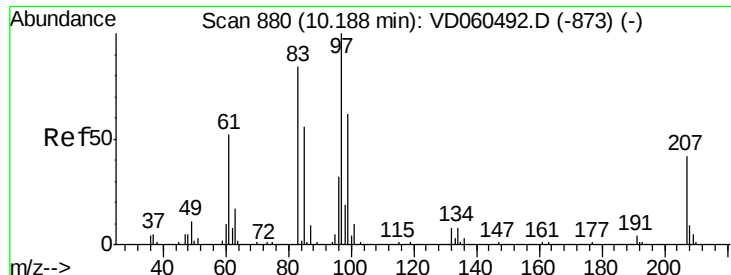
Tot Ion: 75 Resp: 342326
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.791 ug/l
 RT: 9.11 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Tgt Ion: 75 Resp: 453871
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.6 38.4
 39 60.3 48.6 73.0

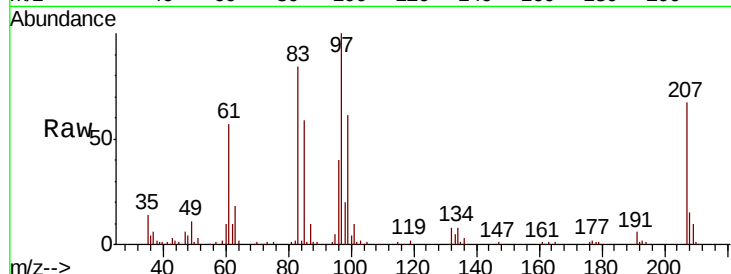




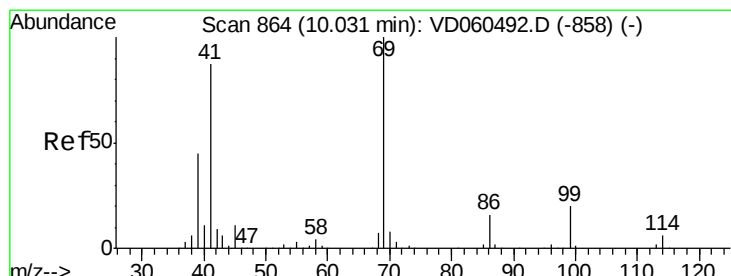
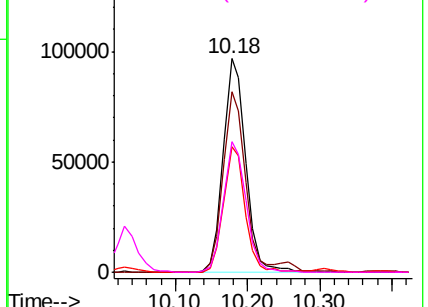
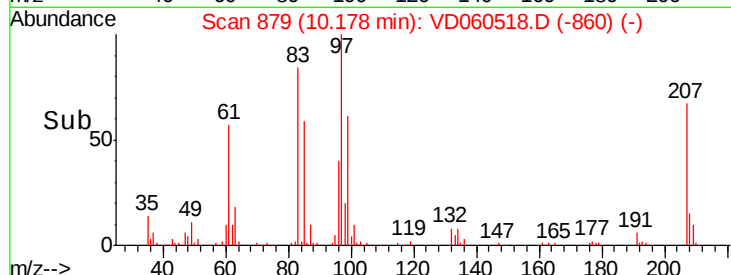
#55
 1,1,2-Trichloroethane
 Concen: 21.168 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBSD01

Tot Ion: 97 Resp: 209650
 Ion Ratio Lower Upper
 97 100
 83 84.2 67.2 100.8
 85 58.9 44.5 66.7
 99 61.1 49.3 73.9

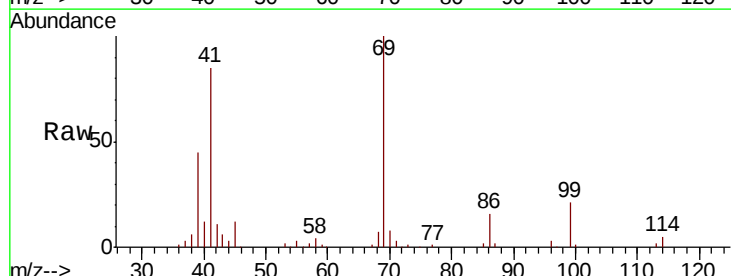


Abundance Ion 96.85 (96.55 to 97.55): VDC
 150000 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

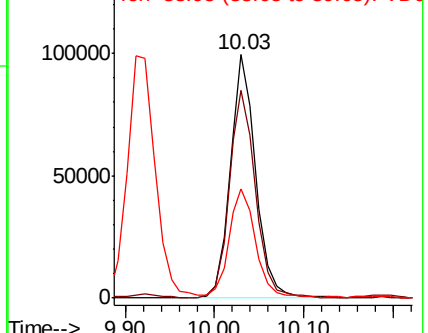
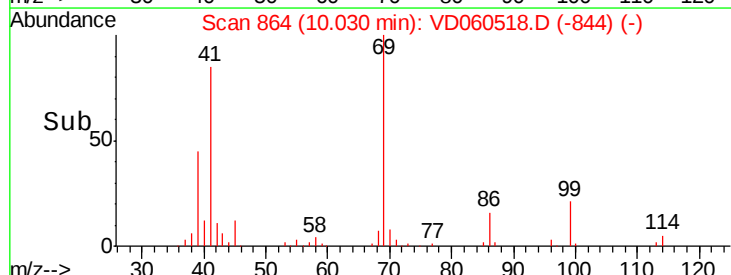


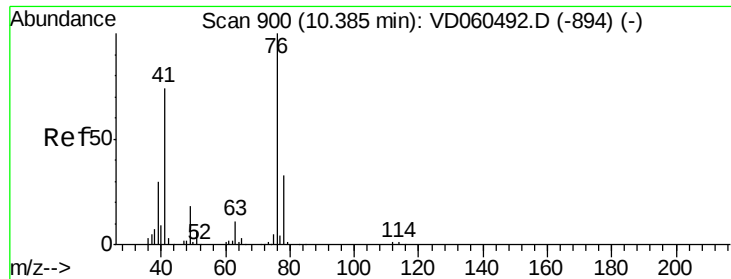
#56
 Ethyl methacrylate
 Concen: 22.207 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Tgt Ion: 69 Resp: 199059
 Ion Ratio Lower Upper
 69 100
 41 85.1 69.8 104.8
 39 44.7 37.5 56.3



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: 21.162 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

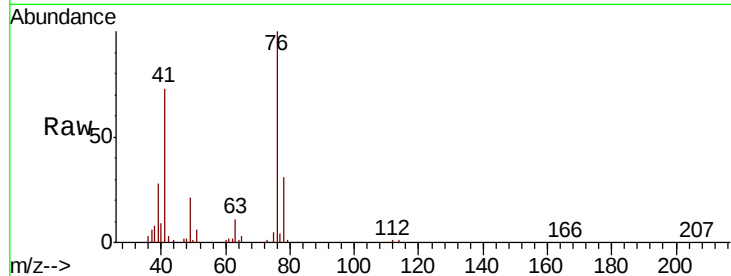
VD1210SBS01

Tot Ion: 76 Resp: 324012

Ion Ratio Lower Upper

76 100

78 30.8 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VD060492.D (-894) (-)

Ion 77.95 (77.65 to 78.65): VD060492.D (-894) (-)

10.38

150000

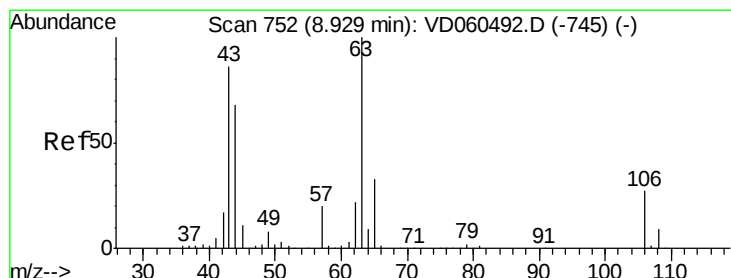
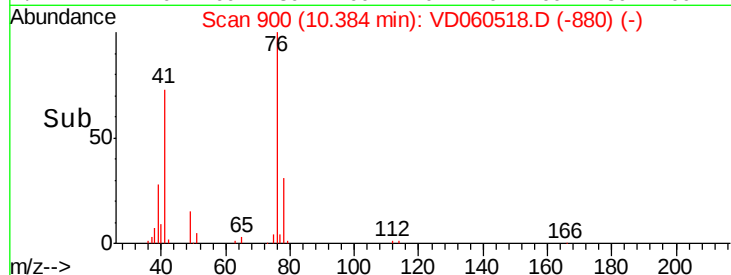
100000

50000

0

10.30 10.40 10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 109.144 ug/l

RT: 8.92 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD060518.D

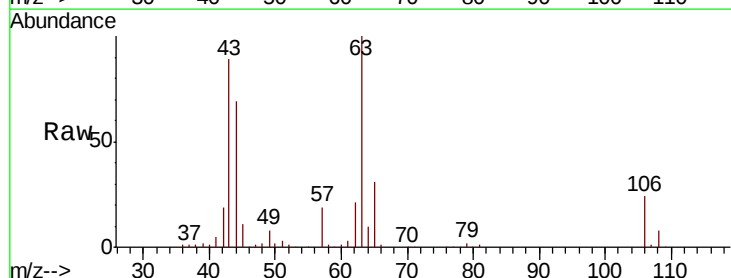
Acq: 10 Dec 2018 12:04

Tgt Ion: 63 Resp: 585375

Ion Ratio Lower Upper

63 100

106 23.7 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VD060492.D (-745) (-)

Ion 105.95 (105.65 to 106.65): VD060492.D (-745) (-)

8.92

300000

250000

200000

150000

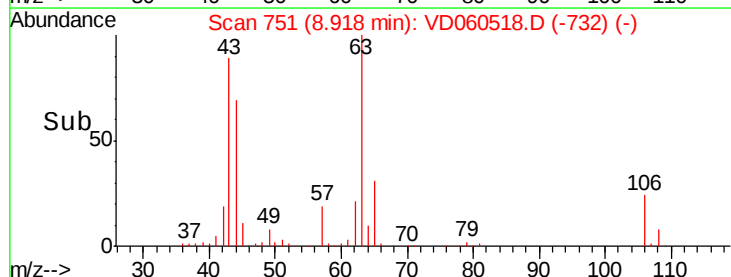
100000

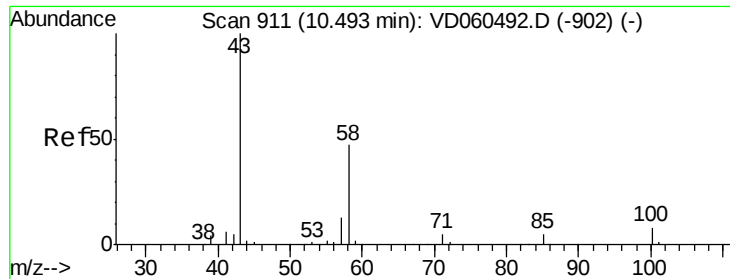
50000

0

8.80 8.90 9.00 9.10

Time-->

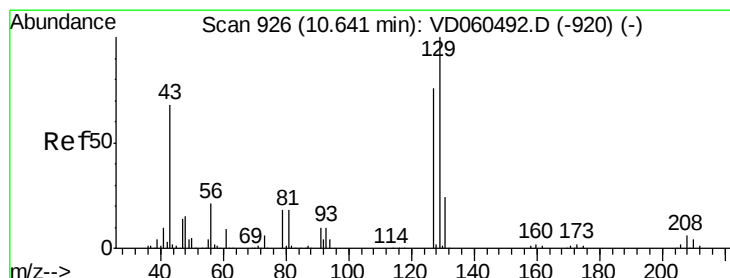
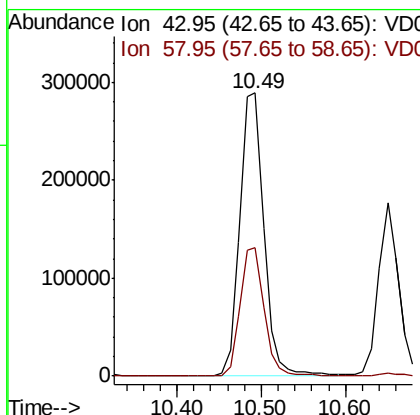
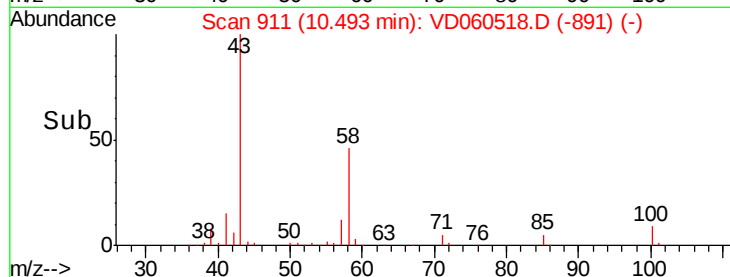
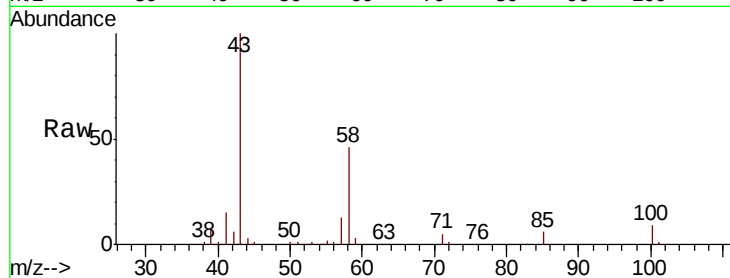




#59
2-Hexanone
Concen: 111.717 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

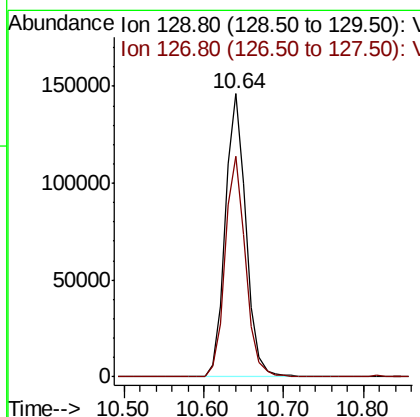
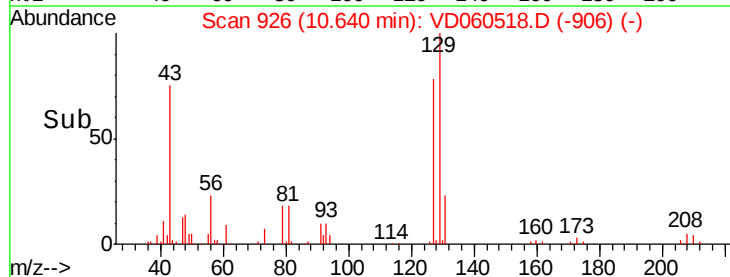
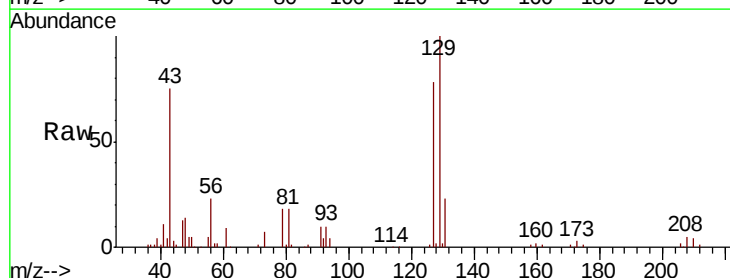
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

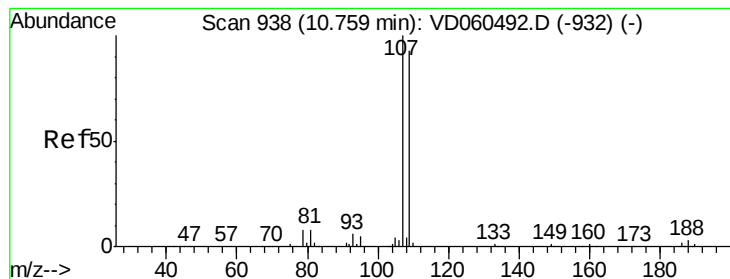
Tot Ion: 43 Resp: 578982
Ion Ratio Lower Upper
43 100
58 45.6 23.4 70.2



#60
Dibromochloromethane
Concen: 21.604 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 129 Resp: 267521
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.050 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

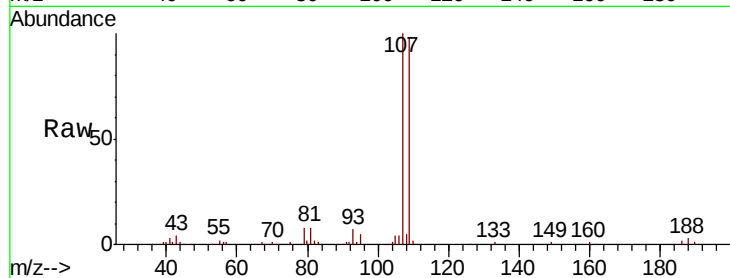
VD1210SBSD01

Tot Ion:107 Resp: 212465

Ion Ratio Lower Upper

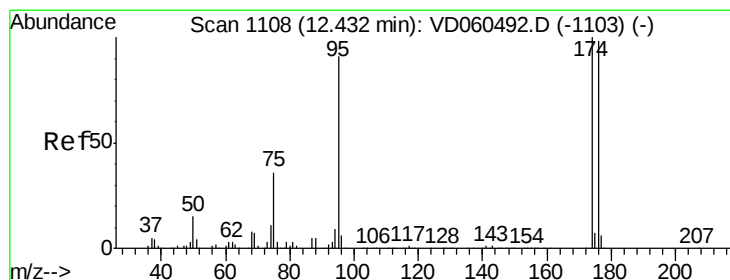
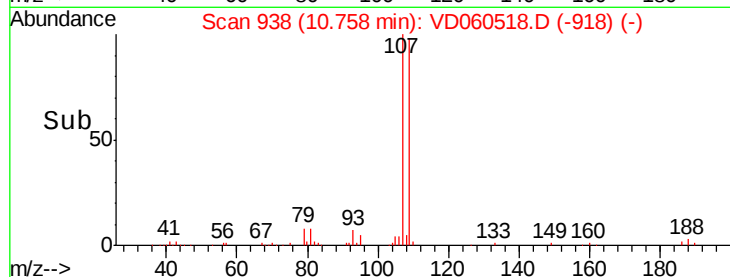
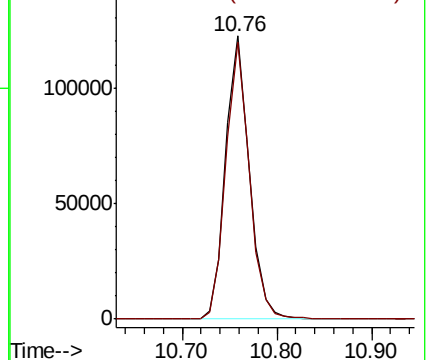
107 100

109 97.7 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.050 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

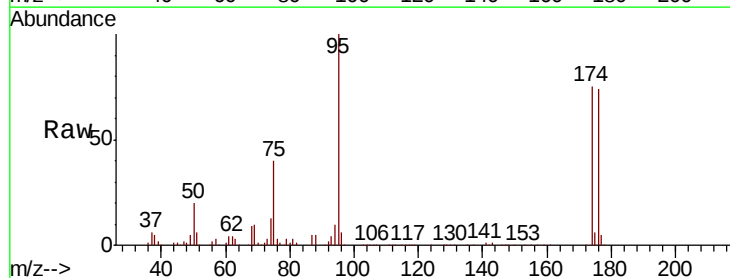
Tgt Ion: 95 Resp: 902832

Ion Ratio Lower Upper

95 100

174 75.5 0.0 219.4

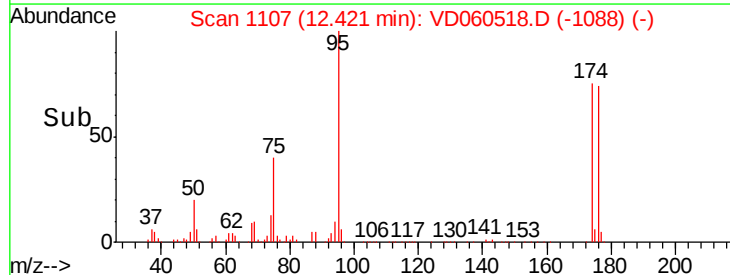
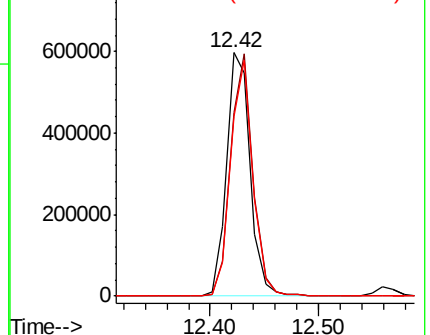
176 73.7 0.0 214.6

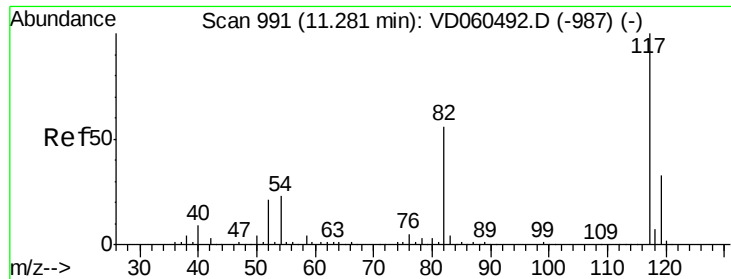


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

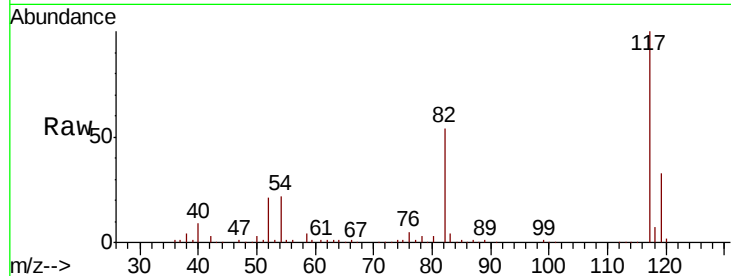




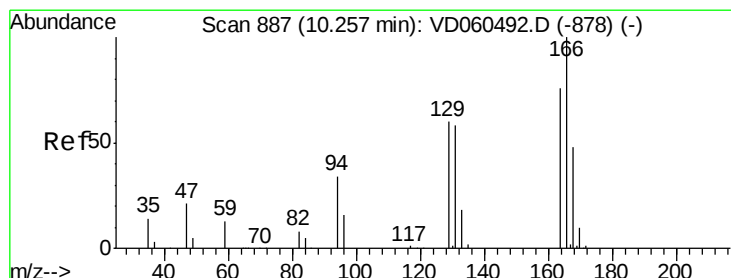
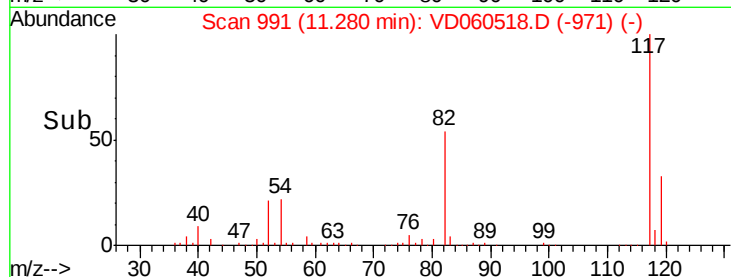
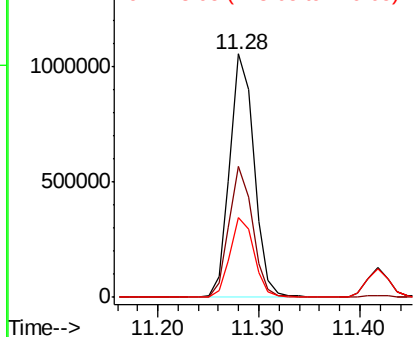
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion:117 Resp: 1765961
Ion Ratio Lower Upper
117 100
82 54.0 45.2 67.8
119 32.6 26.1 39.1

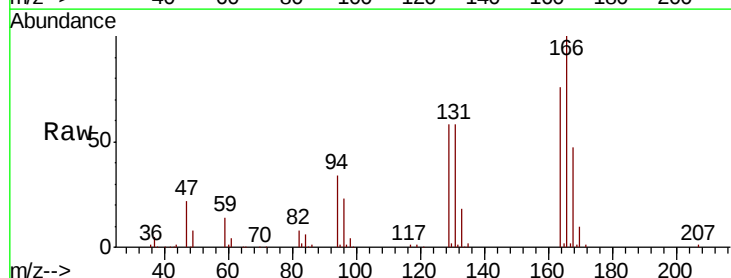


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

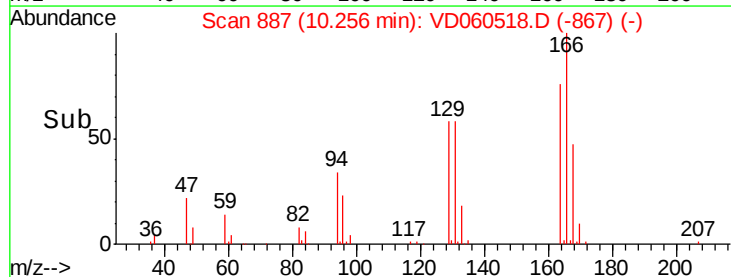
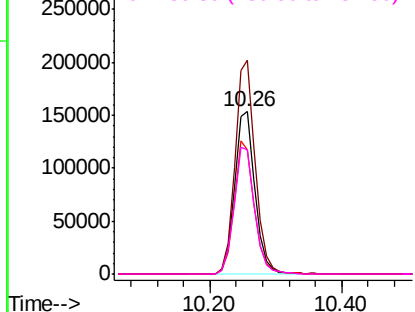


#64
Tetrachloroethene
Concen: 21.288 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion:164 Resp: 332884
Ion Ratio Lower Upper
164 100
166 131.8 105.0 157.6
129 76.7 63.0 94.4
131 76.8 60.6 90.8



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

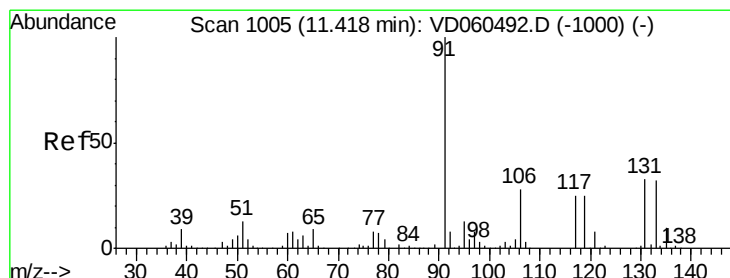
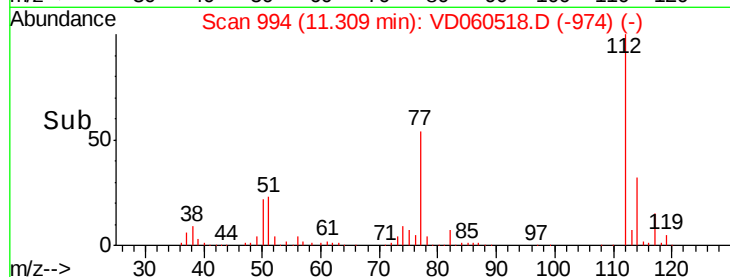
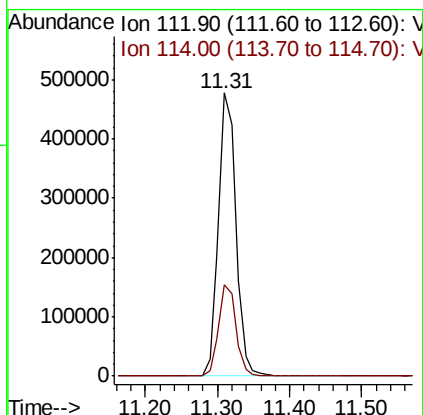
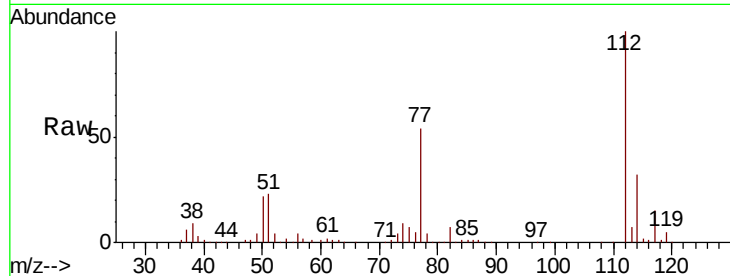




#65
Chlorobenzene
Concen: 21.345 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

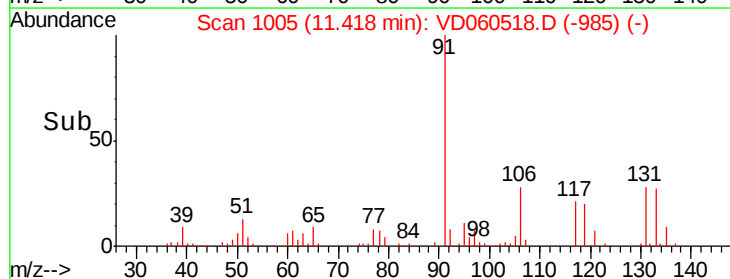
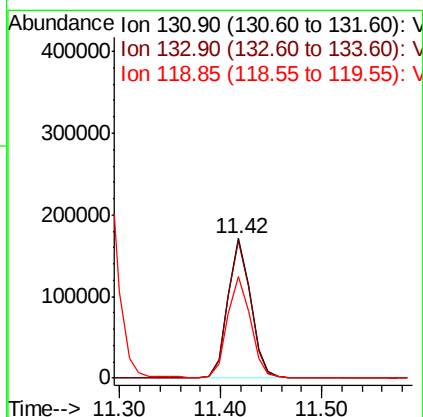
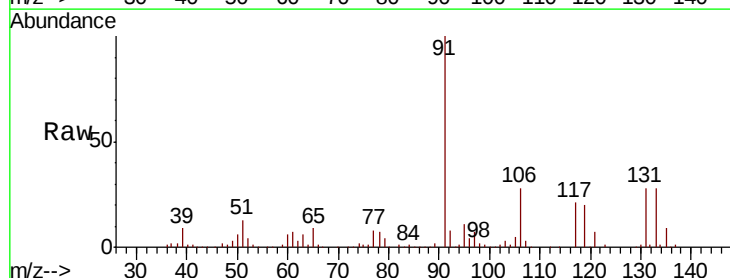
Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion:112 Resp: 797464
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.553 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion:131 Resp: 271576
Ion Ratio Lower Upper
131 100
133 98.0 49.1 147.3
119 72.9 37.5 112.3

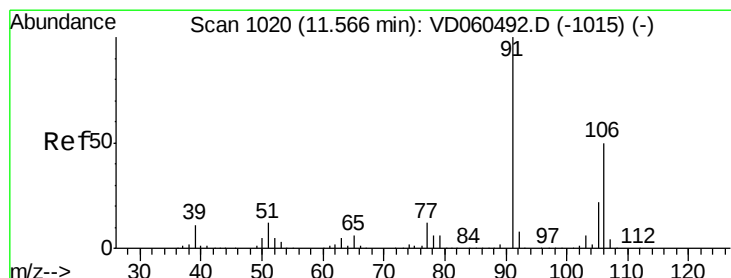
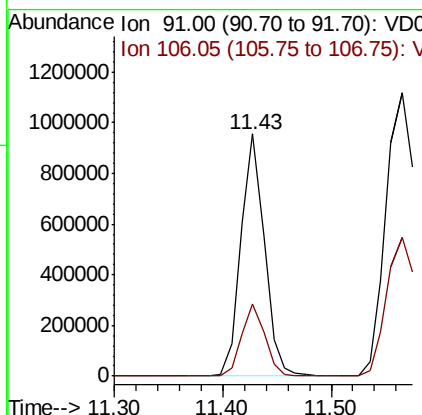
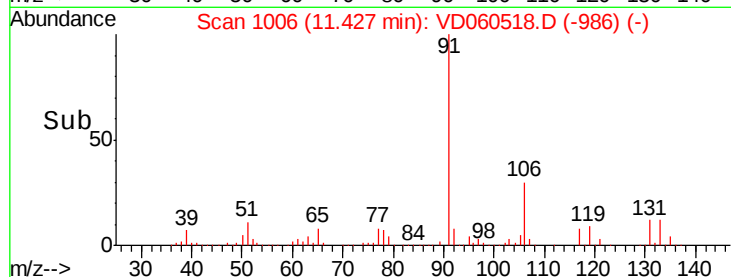
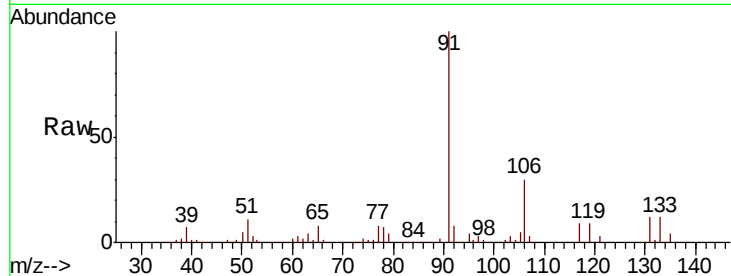




#67
Ethyl Benzene
Concen: 22.757 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

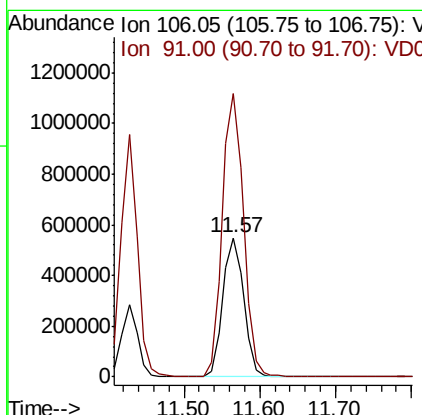
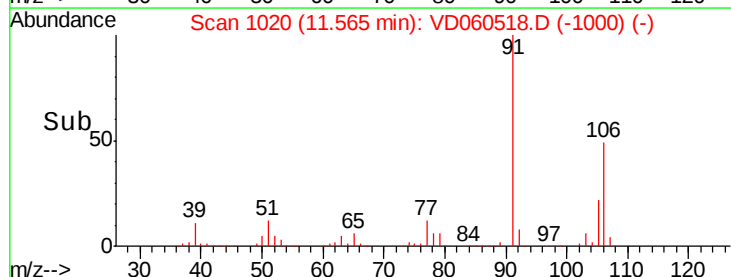
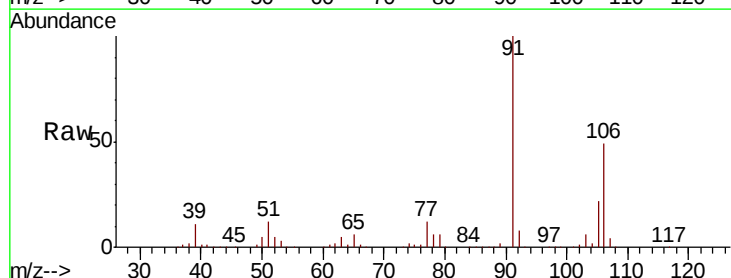
Instrument :
MSVOA_D
ClientSampleID :
VD1210SBSD01

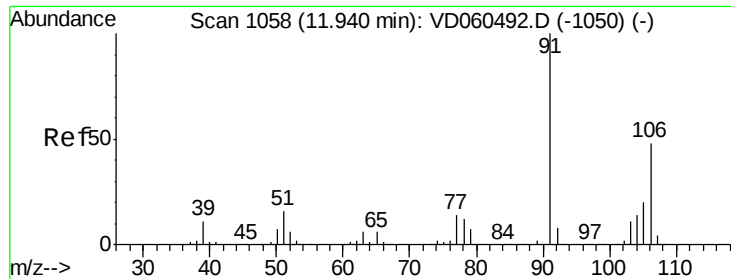
Tot Ion: 91 Resp: 1450172
Ion Ratio Lower Upper
91 100
106 29.7 24.6 37.0



#68
m/p-Xylenes
Concen: 44.904 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion: 106 Resp: 1058640
Ion Ratio Lower Upper
106 100
91 203.2 160.5 240.7

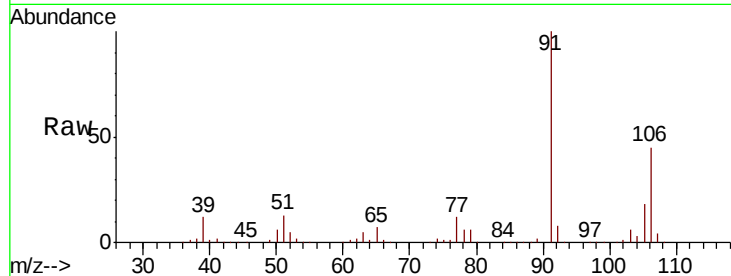




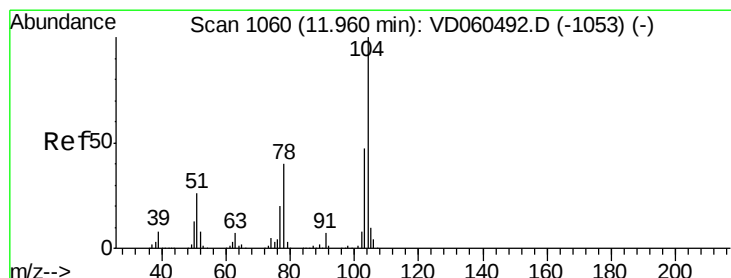
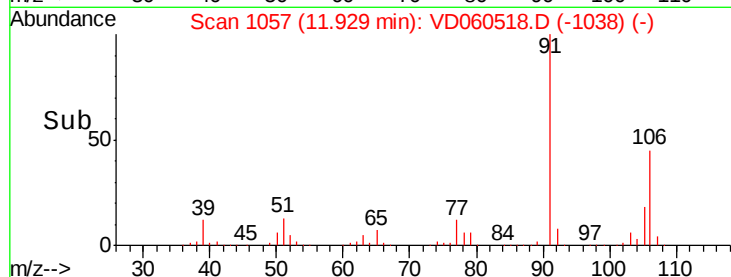
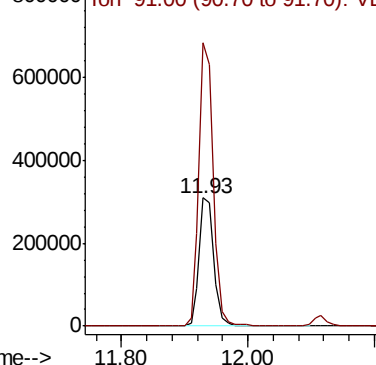
#69
o-Xylene
Concen: 22.231 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion:106 Resp: 499470
Ion Ratio Lower Upper
106 100
91 220.8 103.4 310.1

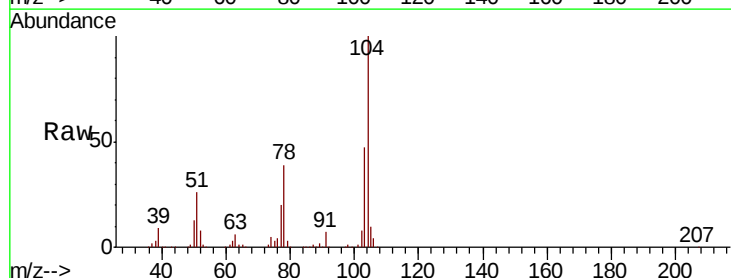


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

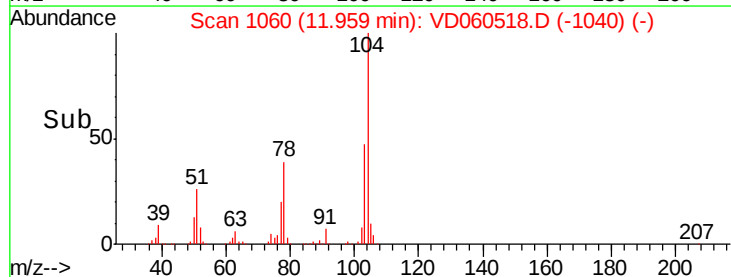
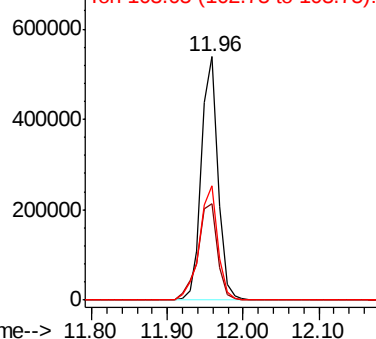


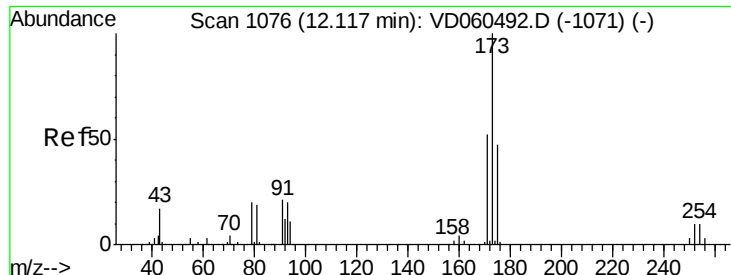
#70
Styrene
Concen: 22.464 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion:104 Resp: 810134
Ion Ratio Lower Upper
104 100
78 39.4 32.1 48.1
103 47.2 37.2 55.8



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: 21.652 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBSD01

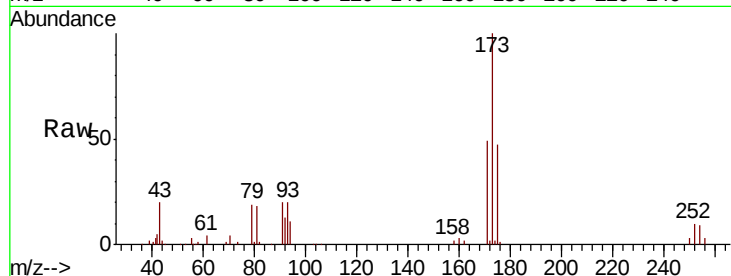
Tot Ion:173 Resp: 173949

Ion Ratio Lower Upper

173 100

175 47.1 23.5 70.6

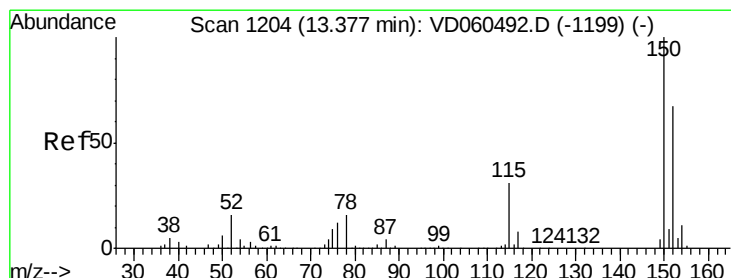
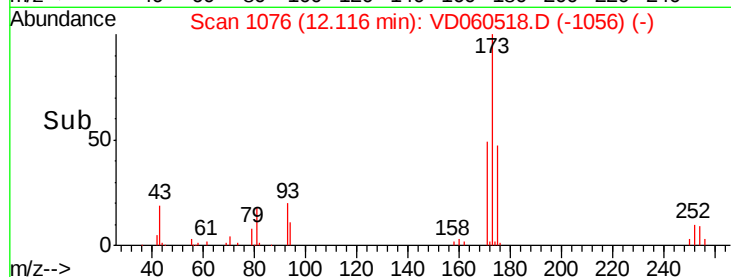
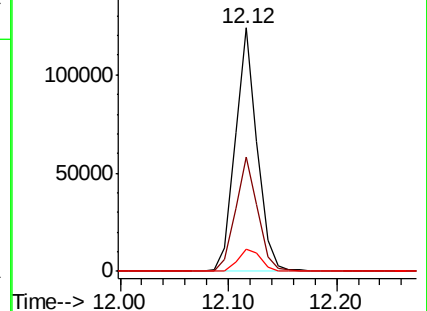
254 9.0 7.8 11.8



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: 13.38 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

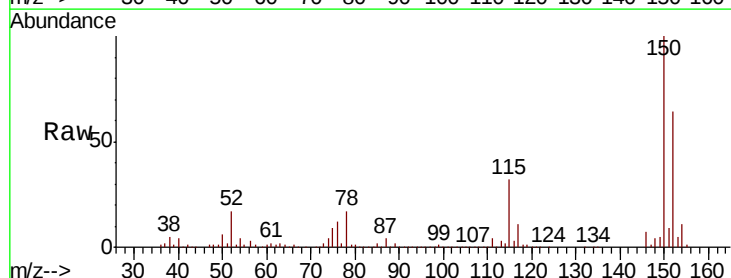
Tgt Ion:152 Resp: 895545

Ion Ratio Lower Upper

152 100

115 50.7 24.6 74.0

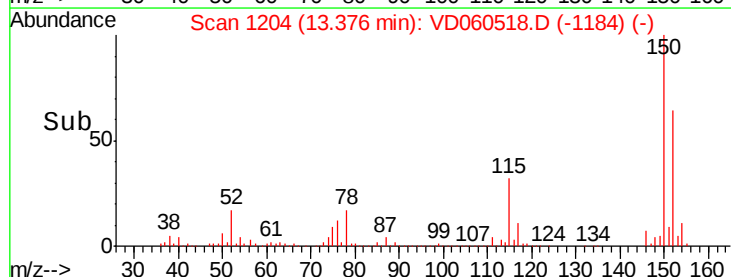
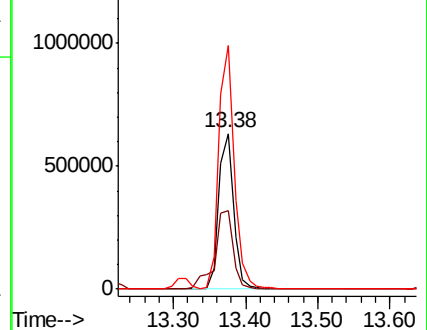
150 156.3 0.0 309.0

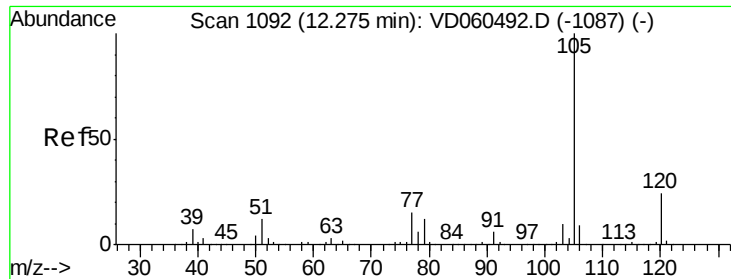


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.994 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

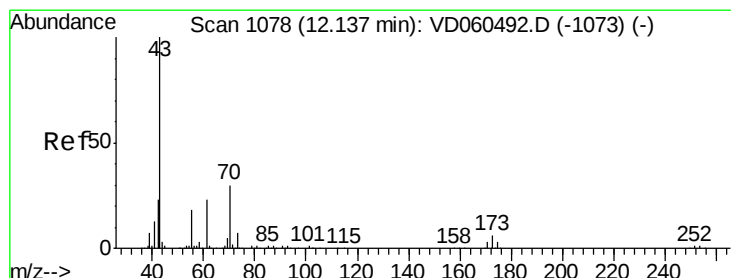
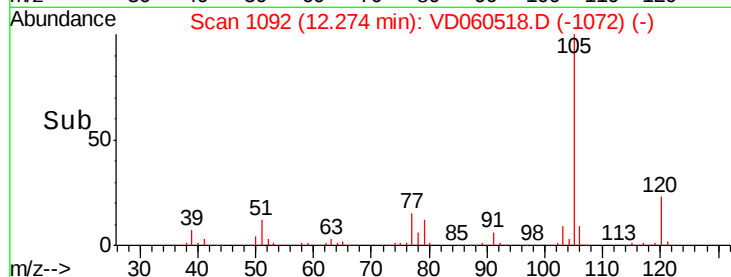
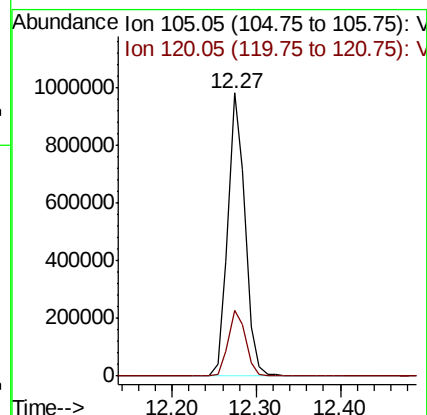
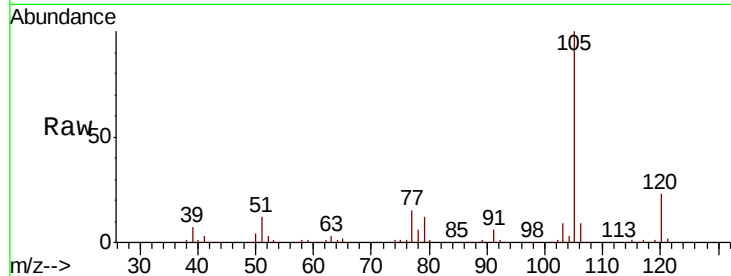
VD1210SBSD01

Tot Ion:105 Resp: 1393819

Ion Ratio Lower Upper

105 100

120 23.4 11.9 35.9



#74

N-ethyl acetate

Concen: 22.318 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Tgt Ion: 43 Resp: 341814

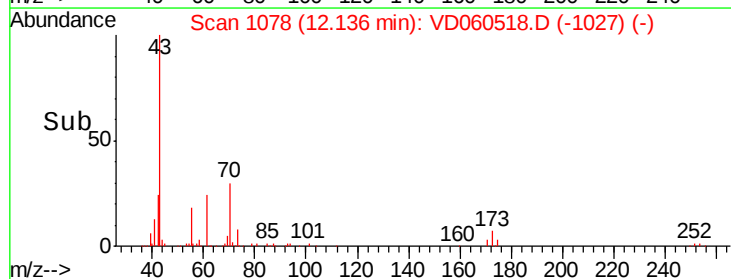
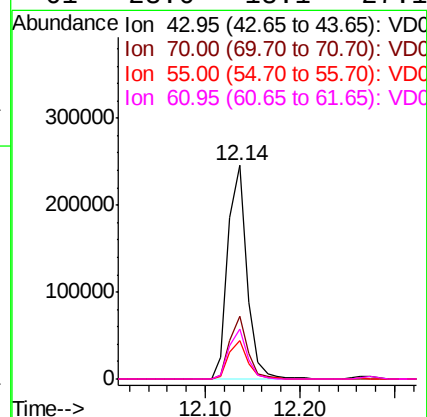
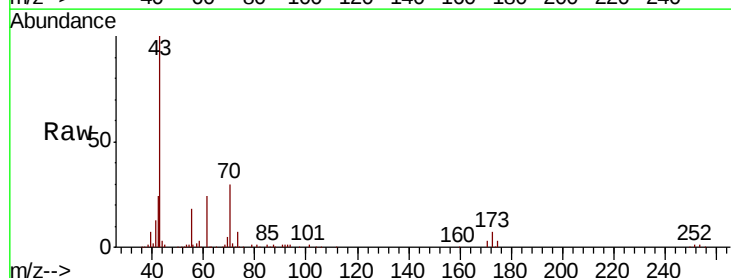
Ion Ratio Lower Upper

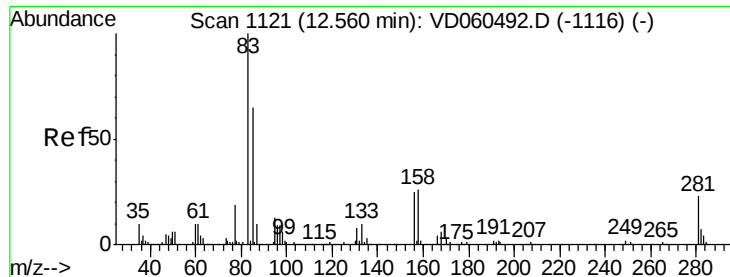
43 100

70 29.6 23.8 35.8

55 18.0 14.2 21.2

61 23.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.409 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

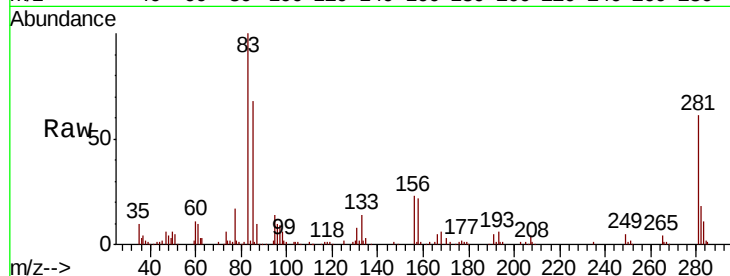
Tot Ion: 83 Resp: 217202

Ion Ratio Lower Upper

83 100

131 8.1 3.8 11.4

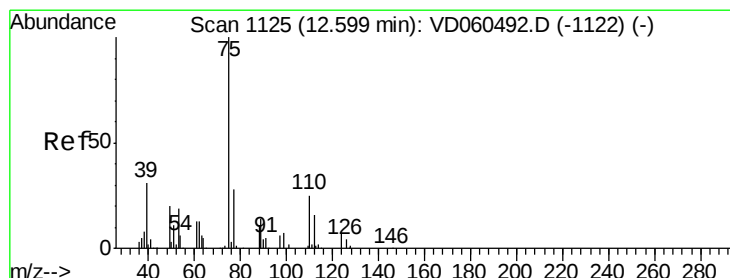
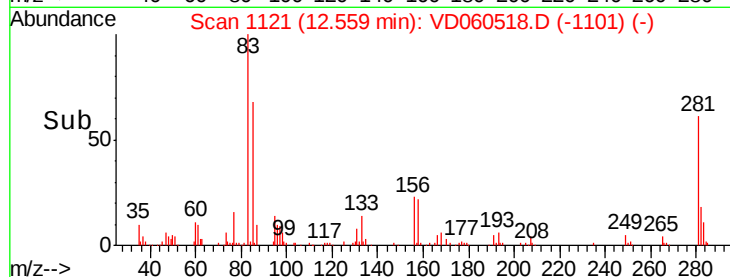
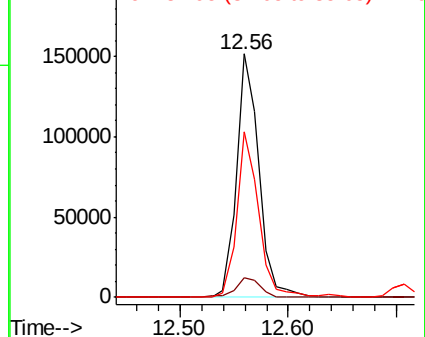
85 68.0 32.3 96.9



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: 21.698 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD060518.D

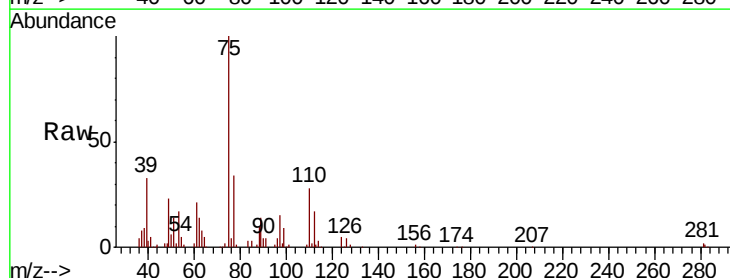
Acq: 10 Dec 2018 12:04

Tgt Ion: 75 Resp: 220172

Ion Ratio Lower Upper

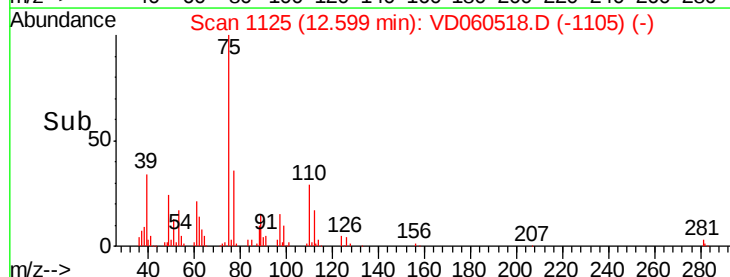
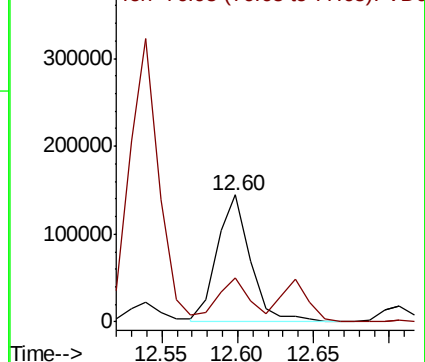
75 100

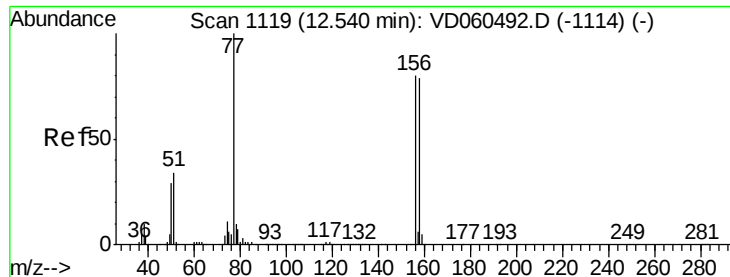
77 34.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.868 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

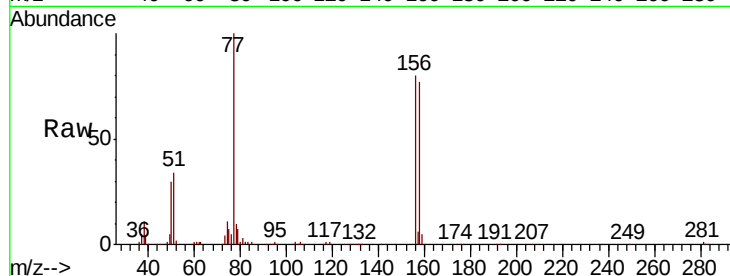
Tot Ion:156 Resp: 347611

Ion Ratio Lower Upper

156 100

77 125.6 62.5 187.6

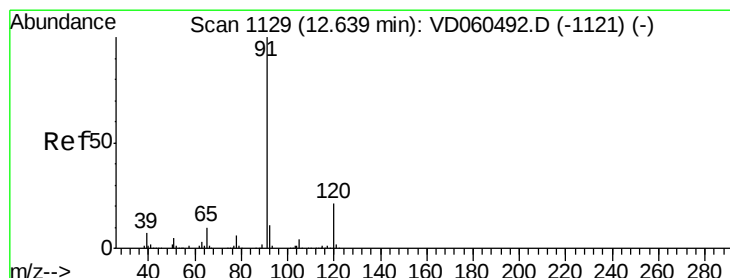
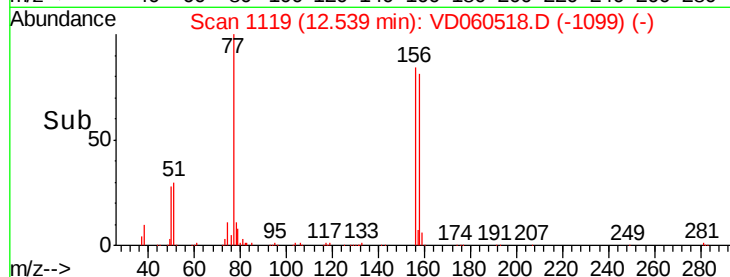
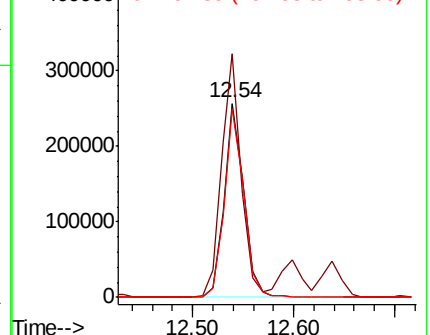
158 97.0 49.4 148.2



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: 22.428 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060518.D

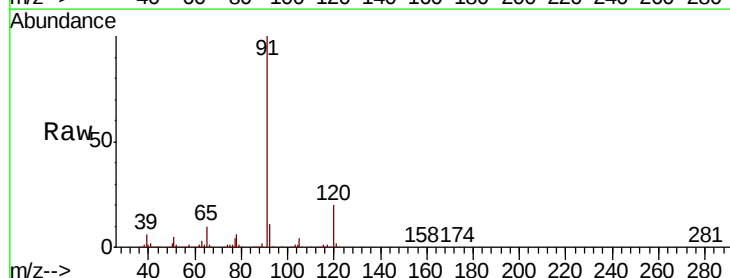
Acq: 10 Dec 2018 12:04

Tgt Ion: 91 Resp: 1796698

Ion Ratio Lower Upper

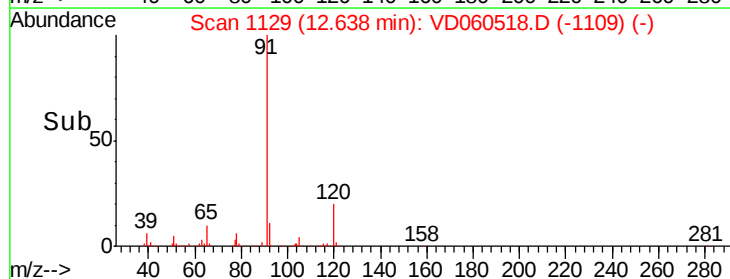
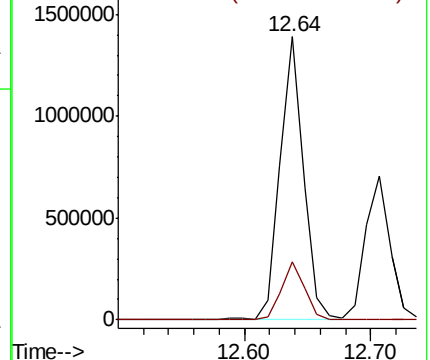
91 100

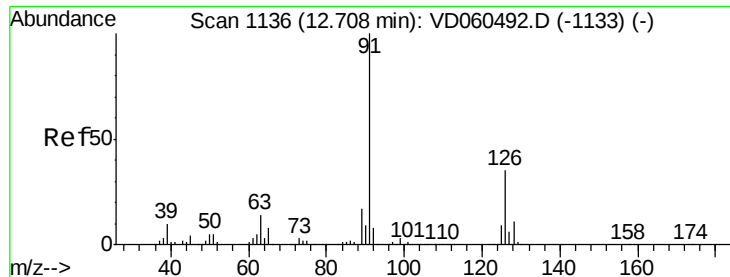
120 20.4 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.085 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

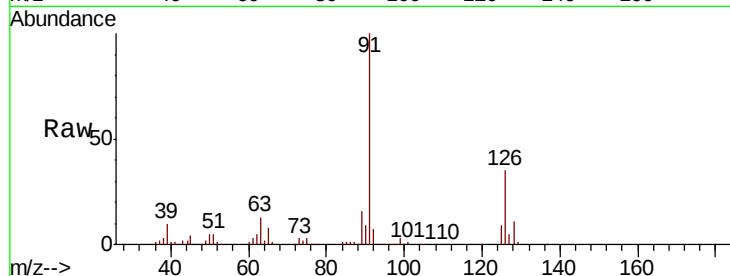
VD1210SBSD01

Tot Ion: 91 Resp: 960027

Ion Ratio Lower Upper

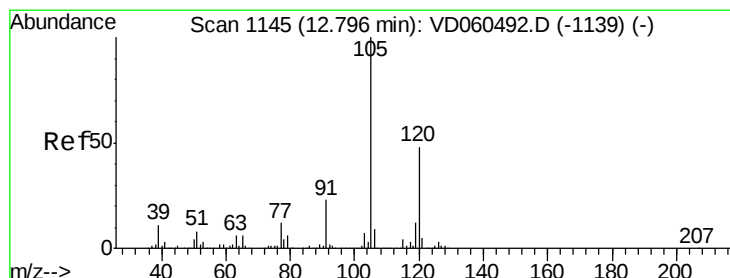
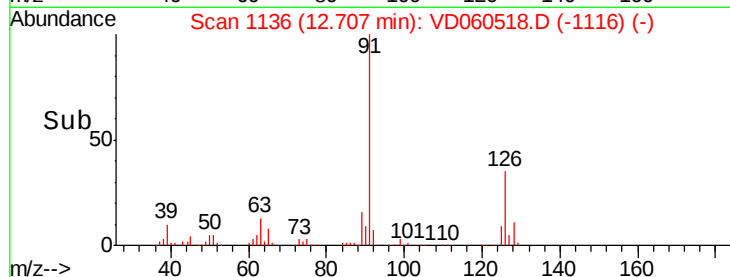
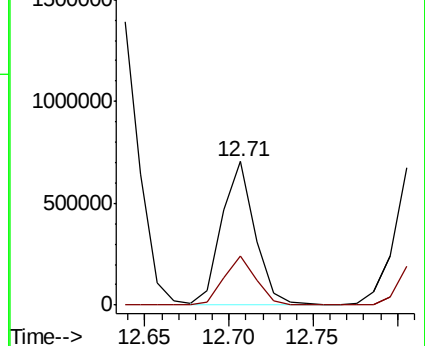
91 100

126 34.5 17.3 52.0



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: 22.553 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060518.D

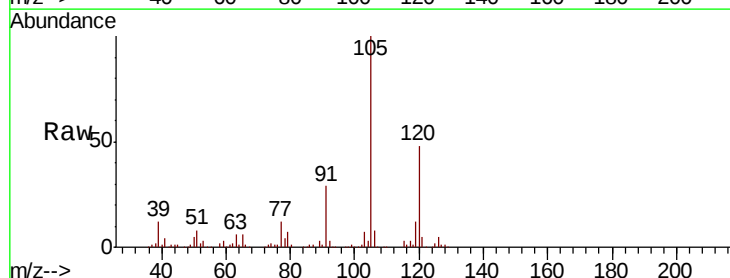
Acq: 10 Dec 2018 12:04

Tgt Ion:105 Resp: 1092106

Ion Ratio Lower Upper

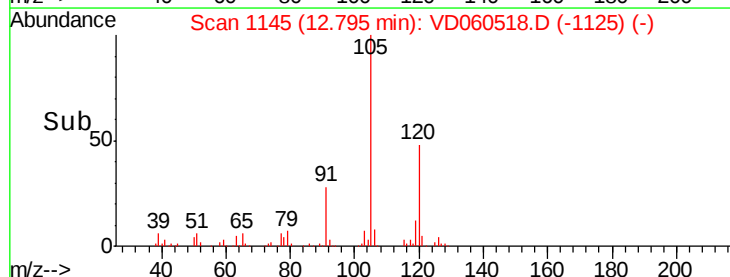
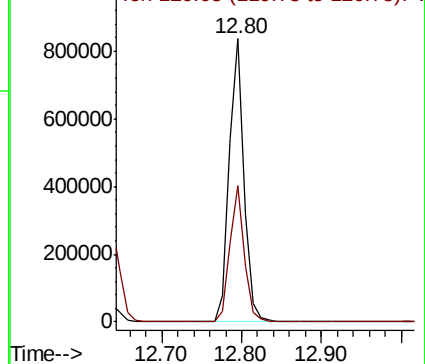
105 100

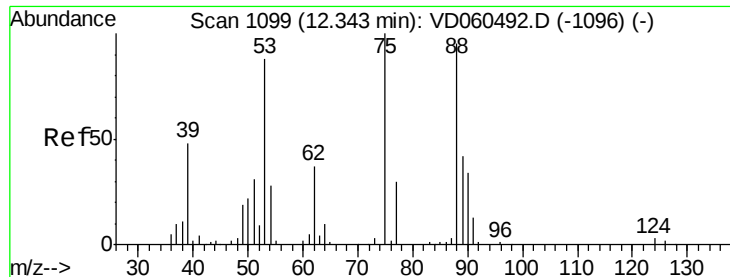
120 48.0 24.2 72.6



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: 21.578 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBSD01

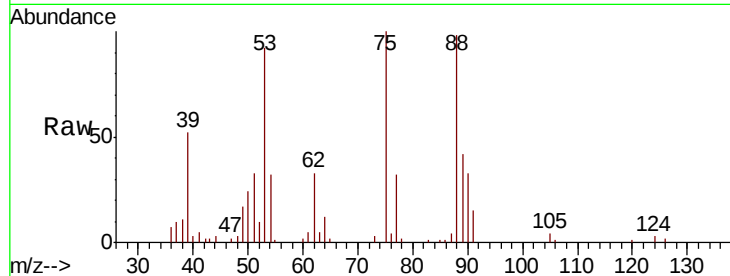
Tot Ion: 75 Resp: 61068

Ion Ratio Lower Upper

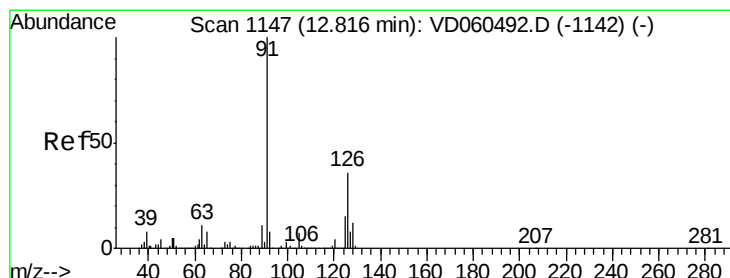
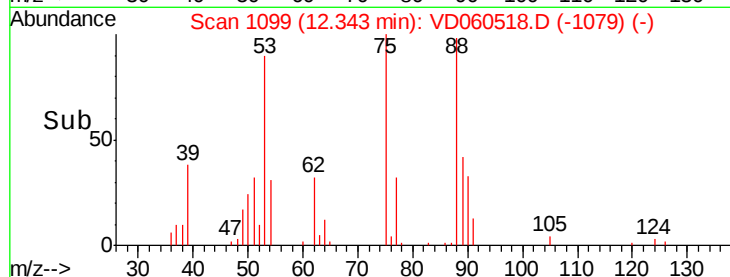
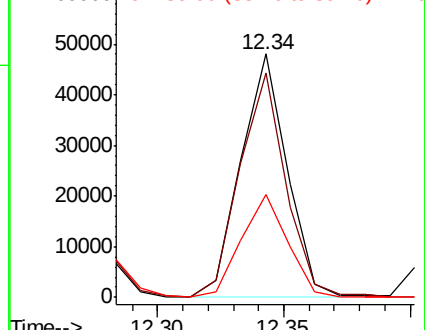
75 100

53 92.1 70.5 105.7

89 42.5 33.6 50.4



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: 22.227 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060518.D

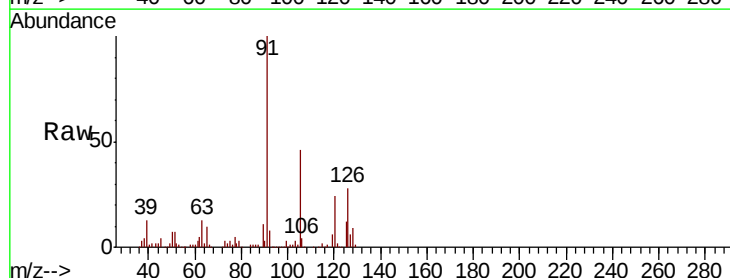
Acq: 10 Dec 2018 12:04

Tgt Ion: 91 Resp: 1085179

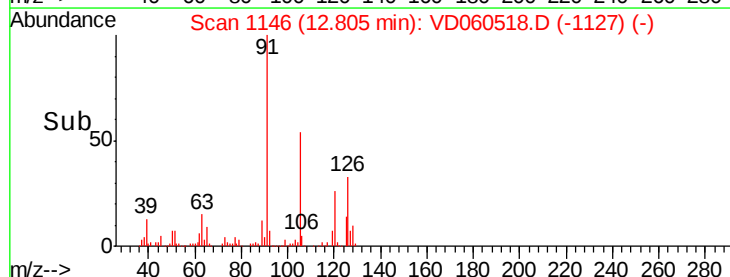
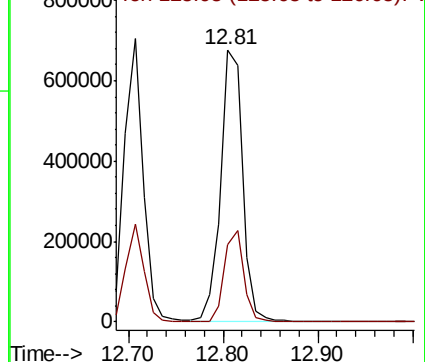
Ion Ratio Lower Upper

91 100

126 28.5 17.8 53.4



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

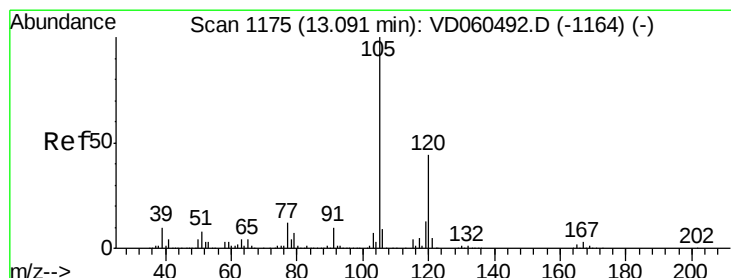
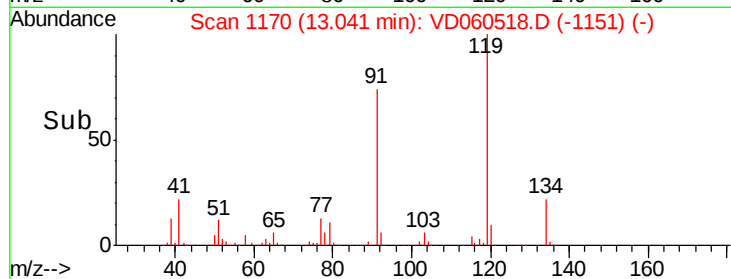
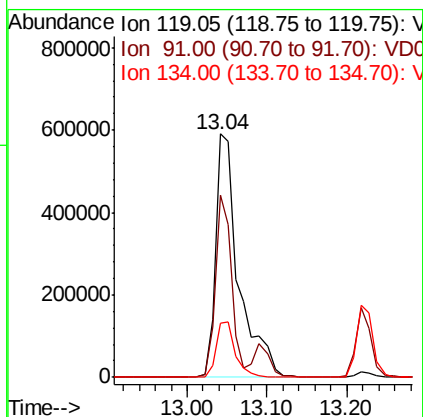
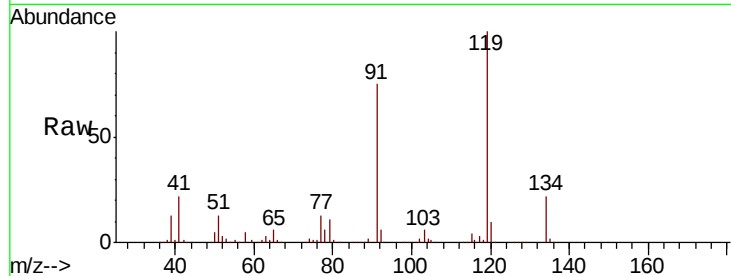




#83
 tert-Butylbenzene
 Concen: 22.183 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

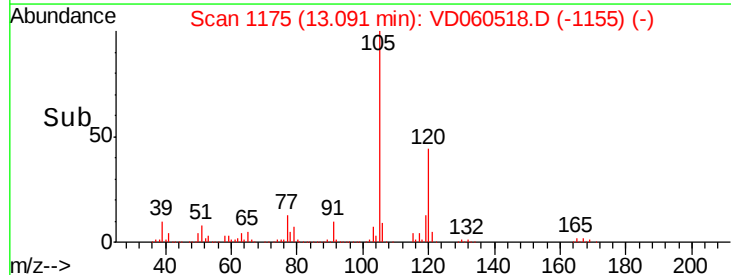
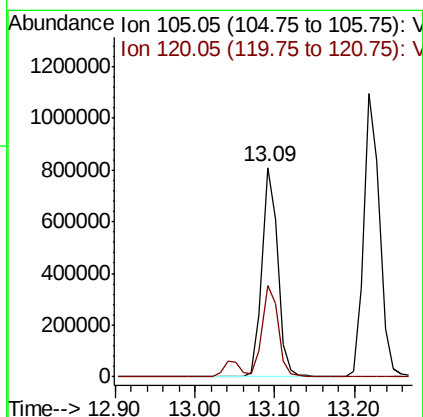
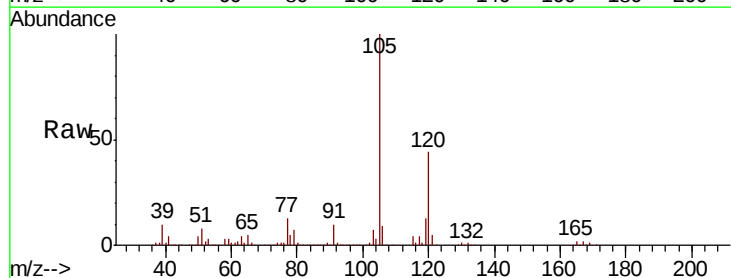
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

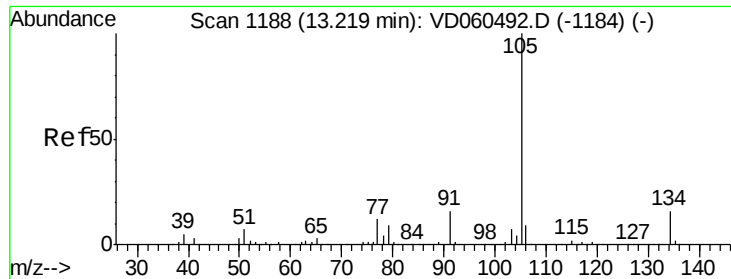
Tot Ion:119 Resp: 1204402
 Ion Ratio Lower Upper
 119 100
 91 74.7 33.1 99.2
 134 22.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.777 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Tgt Ion:105 Resp: 1091910
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.3 66.8





#85

sec-Butylbenzene

Concen: 22.054 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

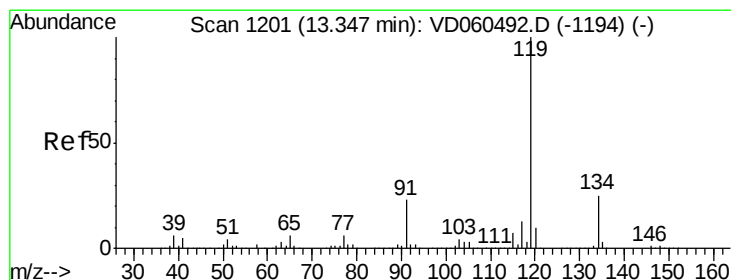
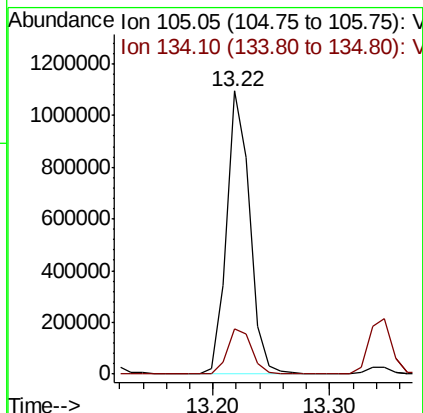
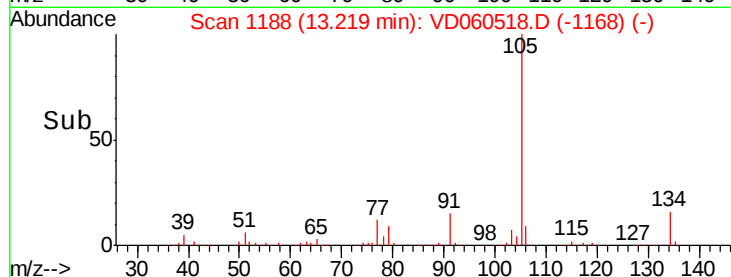
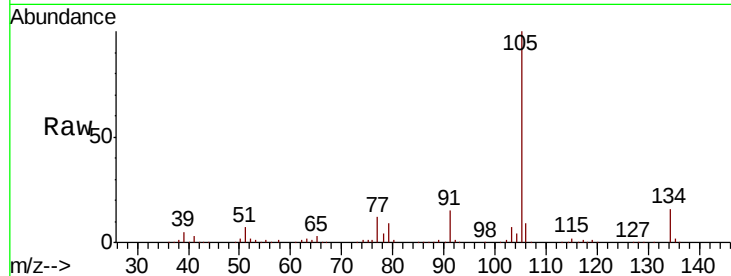
VD1210SBS01

Tot Ion:105 Resp: 1492396

Ion Ratio Lower Upper

105 100

134 15.9 7.9 23.7



#86

p-Isopropyltoluene

Concen: 22.718 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

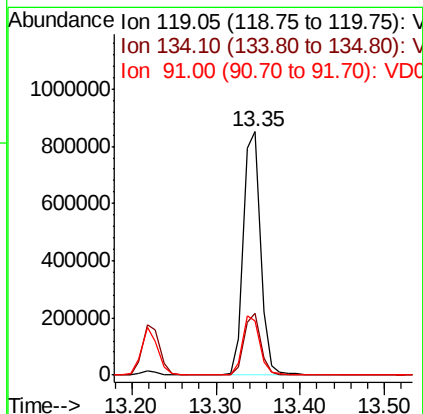
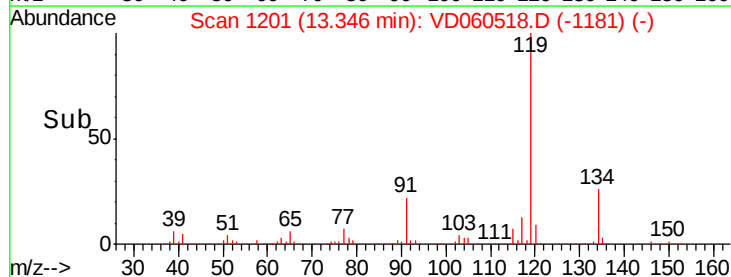
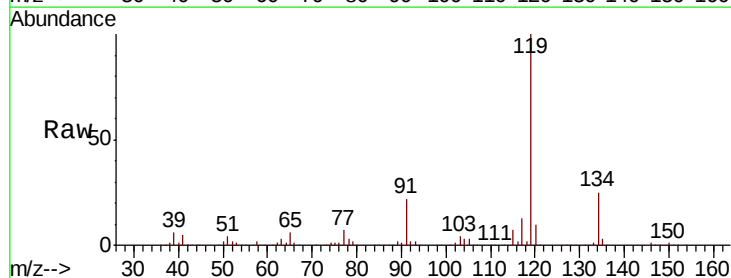
Tgt Ion:119 Resp: 1218663

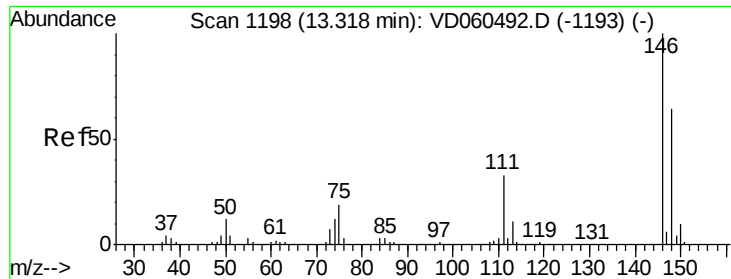
Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

91 22.3 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 22.009 ug/l

RT: 13.31 min Scan# 1197

Delta R.T. -0.01 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

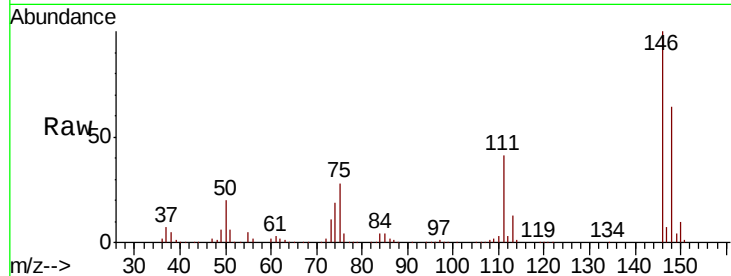
Tot Ion:146 Resp: 663805

Ion Ratio Lower Upper

146 100

111 40.6 16.5 49.5

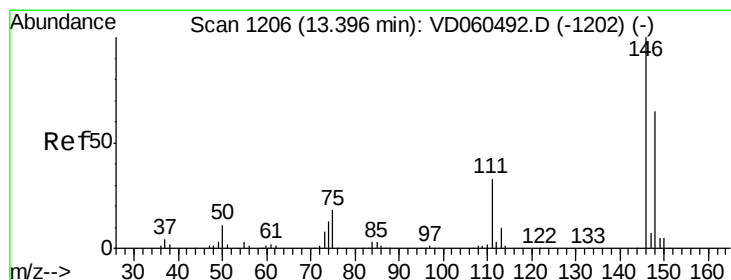
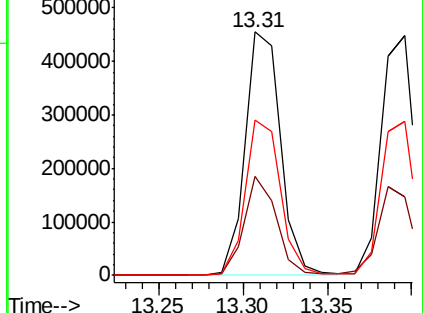
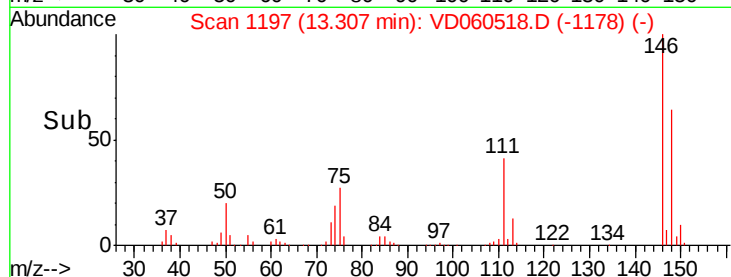
148 63.8 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.716 ug/l

RT: 13.40 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

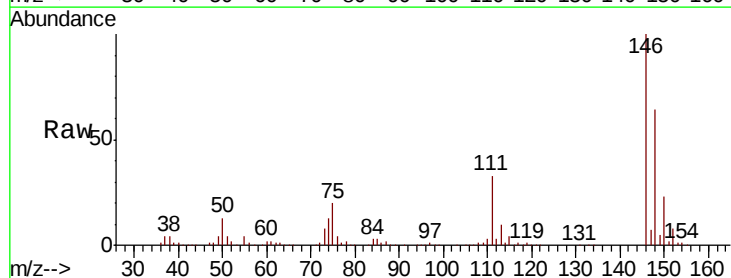
Tgt Ion:146 Resp: 642533

Ion Ratio Lower Upper

146 100

111 32.6 16.4 49.1

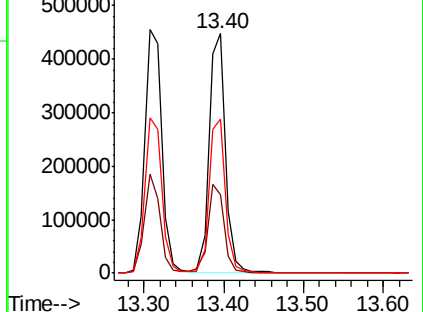
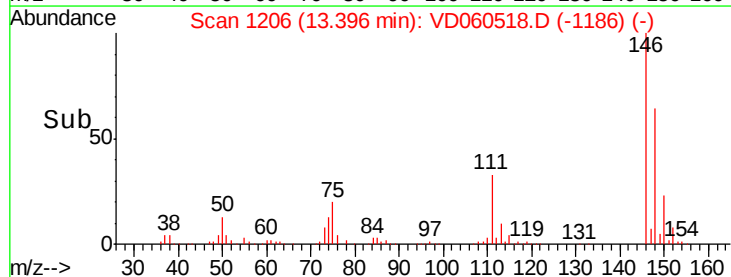
148 64.5 32.6 98.0

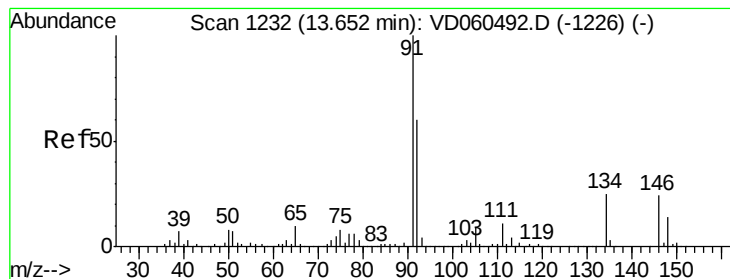


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.162 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

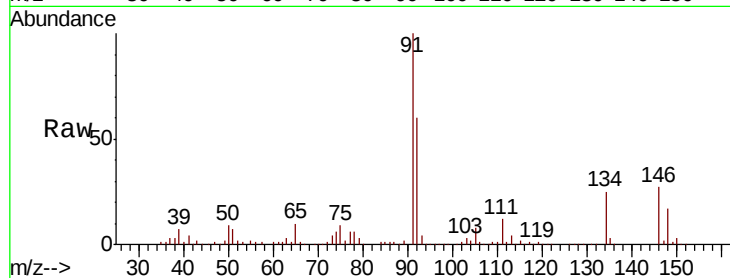
Tot Ion: 91 Resp: 1258507

Ion Ratio Lower Upper

91 100

92 60.2 30.0 90.1

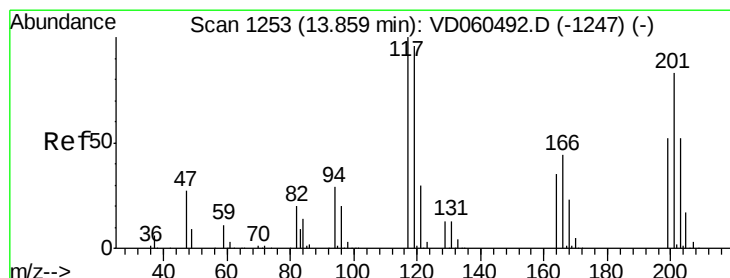
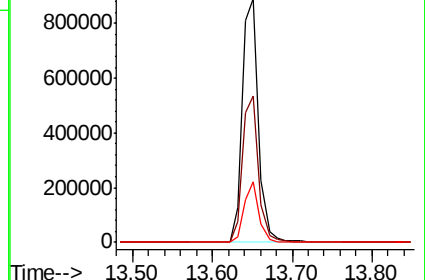
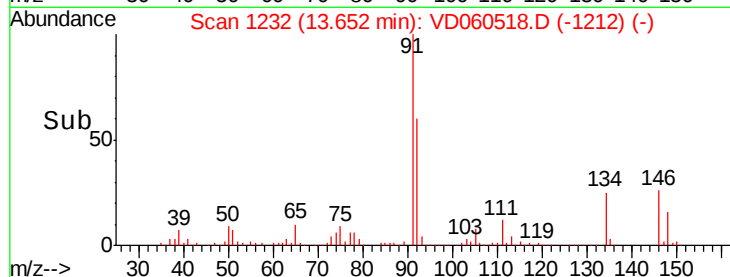
134 25.0 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.574 ug/l

RT: 13.86 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD060518.D

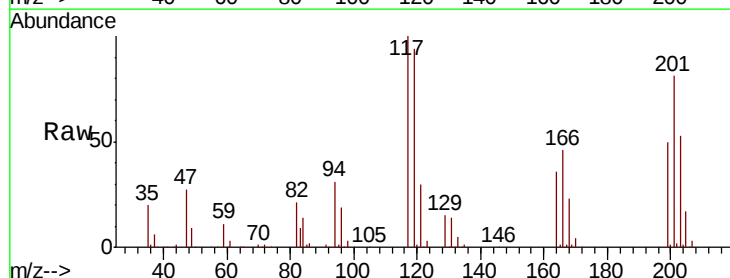
Acq: 10 Dec 2018 12:04

Tgt Ion: 117 Resp: 290164

Ion Ratio Lower Upper

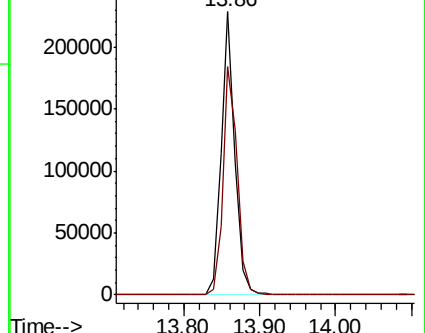
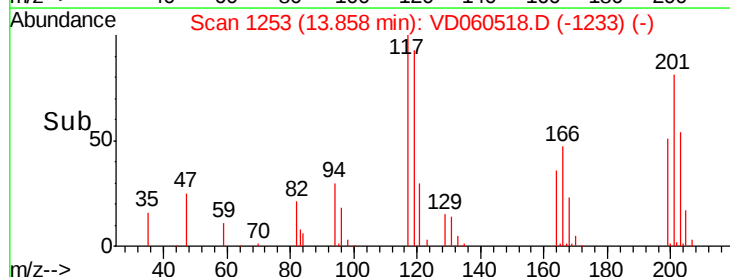
117 100

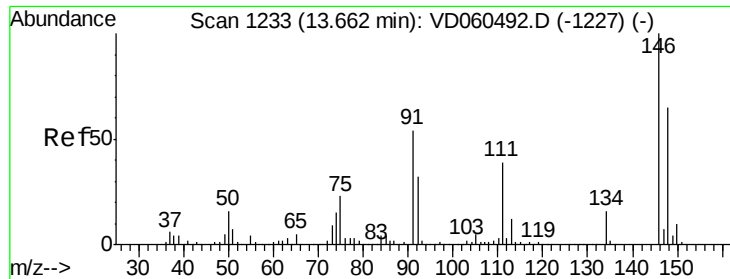
201 80.7 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 22.637 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

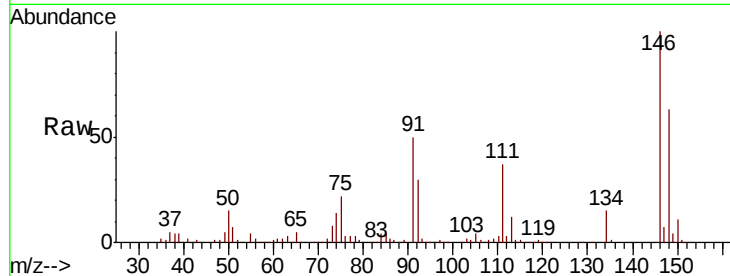
Tot Ion:146 Resp: 557952

Ion Ratio Lower Upper

146 100

111 37.0 19.3 57.8

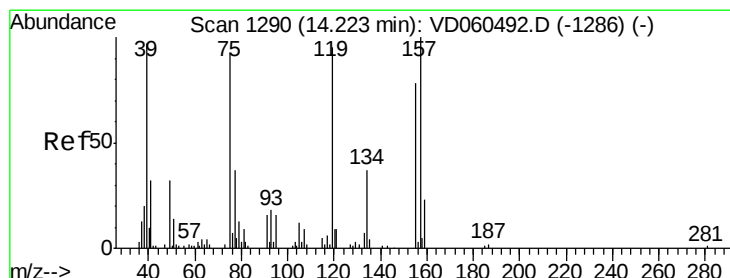
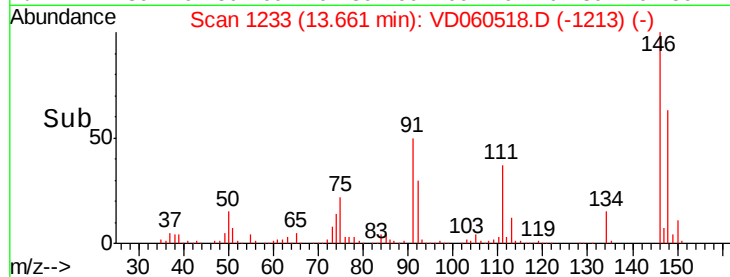
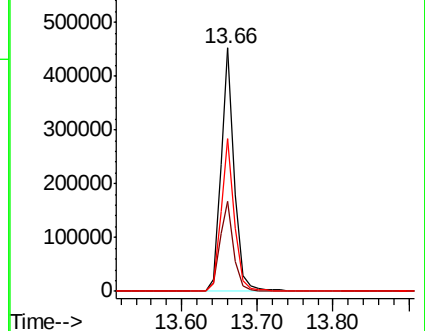
148 62.7 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.920 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VD060518.D

Acq: 10 Dec 2018 12:04

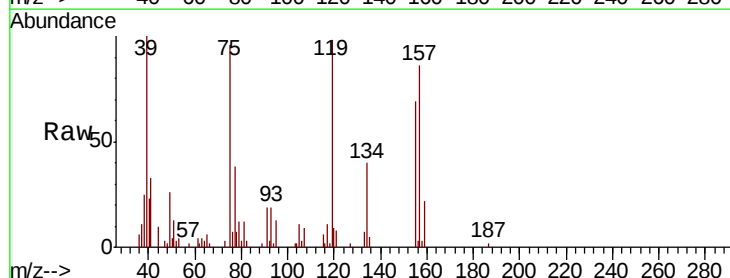
Tgt Ion: 75 Resp: 25717

Ion Ratio Lower Upper

75 100

155 71.7 41.6 124.9

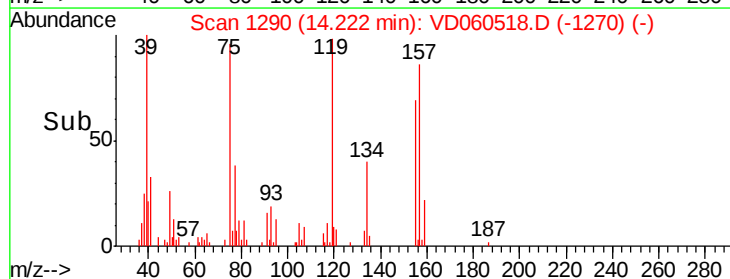
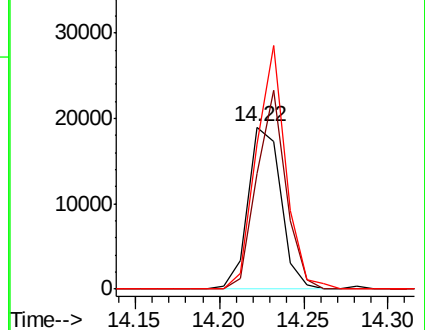
157 89.5 53.6 160.8

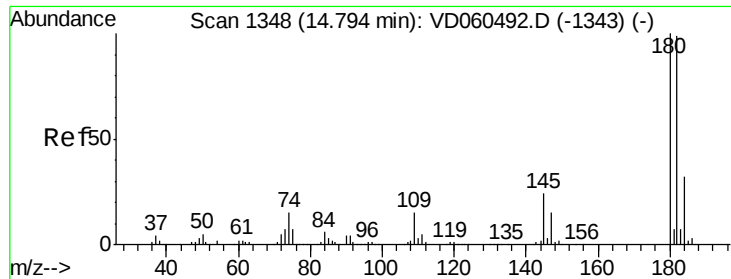


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

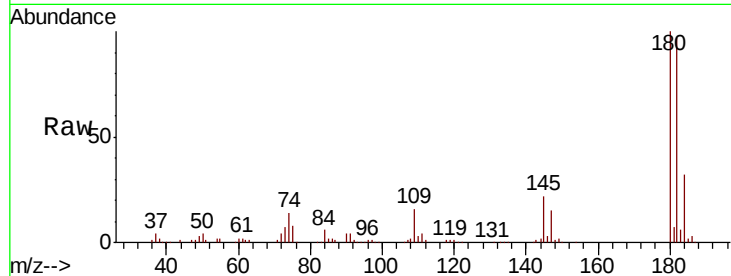




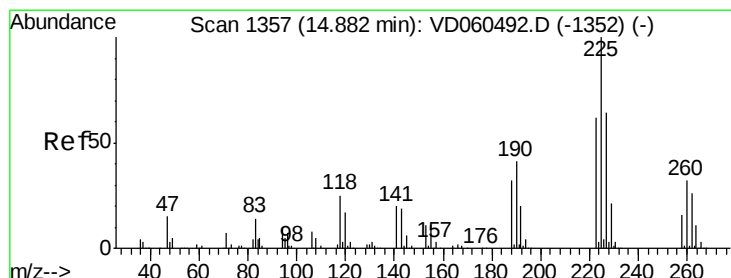
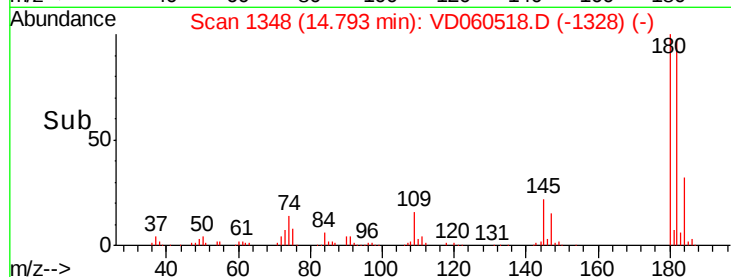
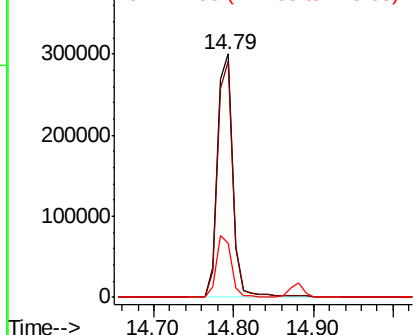
#93
 1,2,4-Trichlorobenzene
 Concen: 21.599 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Tot Ion:180 Resp: 416164
 Ion Ratio Lower Upper
 180 100
 182 96.9 49.4 148.0
 145 22.3 11.9 35.9

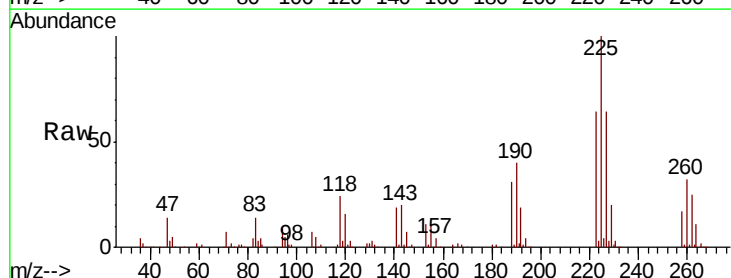


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

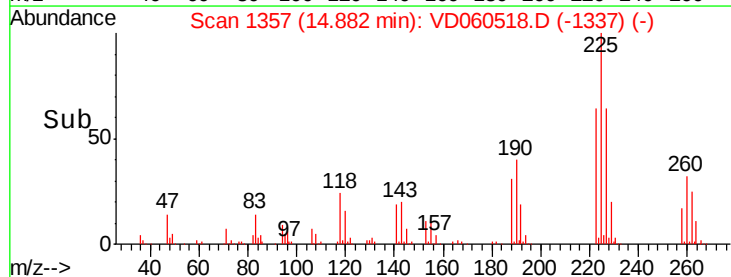
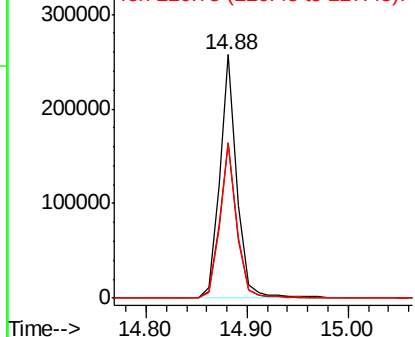


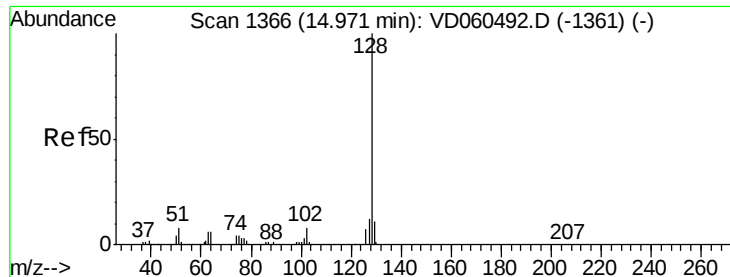
#94
 Hexachlorobutadiene
 Concen: 21.587 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060518.D
 Acq: 10 Dec 2018 12:04

Tgt Ion:225 Resp: 306875
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.2 93.6
 227 63.6 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

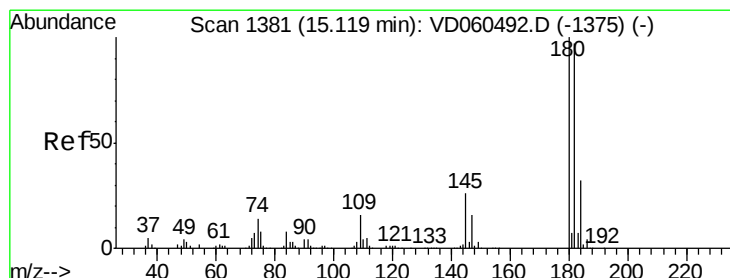
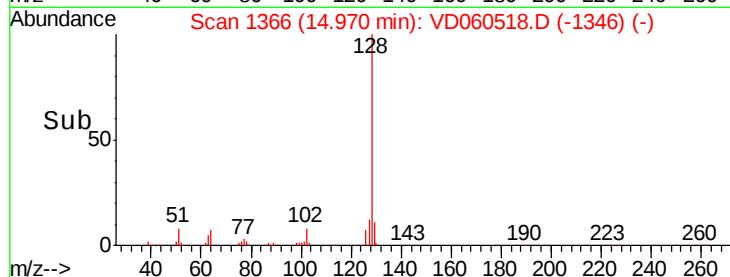
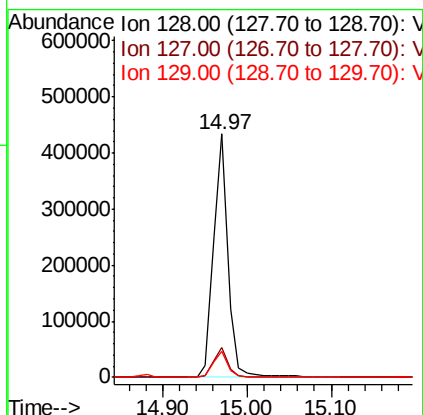
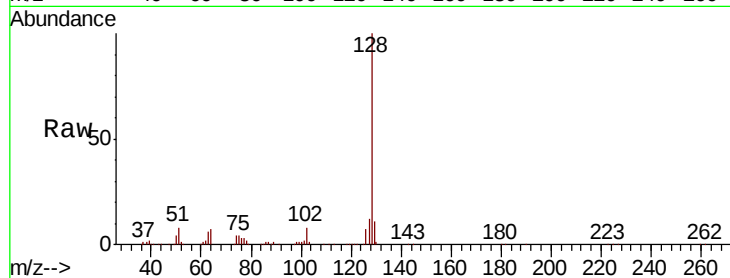




#95
Naphthalene
Concen: 22.651 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion:128 Resp: 519202
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.652 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD060518.D
Acq: 10 Dec 2018 12:04

Tgt Ion:180 Resp: 332413
Ion Ratio Lower Upper
180 100
182 96.8 48.5 145.5
145 24.8 12.9 38.7

