

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060594.D
 Acq On : 17 Dec 2018 12:44
 Operator : VA/AP
 Sample : VD1217SBSD01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

Quant Time: Dec 18 11:15:08 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	6.43	168	1368079	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	1871429	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1509291	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	810580	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	491708	50.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	6.34	113	704000	51.21	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	9.47	98	2045248	51.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.45	95	725171	50.95	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	365889	24.791	ug/l	98
3) Chloromethane	1.77	50	309060	21.987	ug/l	97
4) Vinyl Chloride	1.87	62	256404	22.856	ug/l	96
5) Bromomethane	2.16	94	46487	16.564	ug/l	98
6) Chloroethane	2.27	64	73262	18.751	ug/l	94
7) Trichlorofluoromethane	2.53	101	299242	23.102	ug/l	94
8) Diethyl Ether	2.84	74	48253	21.567	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	191866	22.829	ug/l	97
10) Methyl Iodide	3.26	142	212115	21.591	ug/l	98
11) Tert butyl alcohol	3.99	59	37280	94.630	ug/l	98
12) 1,1-Dichloroethene	3.09	96	156680	22.913	ug/l	99
13) Acrolein	3.00	56	39255	91.191	ug/l	98
14) Allyl chloride	3.56	41	272666	21.016	ug/l	97
15) Acrylonitrile	4.11	53	238316	106.538	ug/l	99
16) Acetone	3.18	43	162110	104.296	ug/l	97
17) Carbon Disulfide	3.33	76	475164	21.392	ug/l	98
18) Methyl Acetate	3.58	43	75041	20.314	ug/l	98
19) Methyl tert-butyl Ether	4.15	73	407516	21.490	ug/l	98
20) Methylene Chloride	3.74	84	338094	21.105	ug/l	97
21) trans-1,2-Dichloroethene	4.12	96	318403	21.406	ug/l	98
22) Diisopropyl ether	4.88	45	1001290	21.496	ug/l	98
23) Vinyl Acetate	4.83	43	2423380	105.003	ug/l	99
24) 1,1-Dichloroethane	4.78	63	524156	21.660	ug/l	99
25) 2-Butanone	5.65	43	318217	104.060	ug/l	99
26) 2,2-Dichloropropane	5.61	77	421092	22.525	ug/l	95
27) cis-1,2-Dichloroethene	5.62	96	327816	21.675	ug/l	92
28) Bromochloromethane	5.95	49	222943	20.797	ug/l	99
29) Tetrahydrofuran	5.98	42	182155	105.190	ug/l	99
30) Chloroform	6.13	83	523558	21.475	ug/l	99
31) Cyclohexane	6.39	56	489014	21.444	ug/l	99
32) 1,1,1-Trichloroethane	6.32	97	431423	21.526	ug/l	98
36) 1,1-Dichloropropene	6.55	75	407266	22.264	ug/l	99
37) Ethyl Acetate	5.71	43	170487	21.490	ug/l	98
38) Carbon Tetrachloride	6.52	117	370204	22.543	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	445914	21.383	ug/l	97
40) Benzene	6.82	78	1042632	22.302	ug/l	99
41) Methacrylonitrile	5.97	41	190008	44.430	ug/l #	67
42) 1,2-Dichloroethane	6.92	62	259909	21.865	ug/l	99
43) Isopropyl Acetate	8.37	43	199515	20.373	ug/l #	99
44) Trichloroethene	7.76	130	315900	22.610	ug/l	98
45) 1,2-Dichloropropane	8.13	63	246518	21.320	ug/l	98
46) Dibromomethane	8.24	93	146737	21.965	ug/l	99
47) Bromodichloromethane	8.51	83	347569	21.927	ug/l	100
48) Methyl methacrylate	8.26	41	129423	22.335	ug/l	96
49) 1,4-Dioxane	8.25	88	22796	434.064	ug/l #	78
51) 4-Methyl-2-Pentanone	9.37	43	647972	106.369	ug/l	99
52) Toluene	9.57	92	645445	22.089	ug/l	98
53) t-1,3-Dichloropropene	9.94	75	285037	21.884	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	382721	22.365	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	173046	21.266	ug/l	97
56) Ethyl methacrylate	10.05	69	160034	21.731	ug/l	96
57) 1,3-Dichloropropane	10.40	76	273546	21.746	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.94	63	511683	116.120	ug/l	96
59) 2-Hexanone	10.51	43	453969	106.616	ug/l	97
60) Dibromochloromethane	10.66	129	224153	22.032	ug/l	99
61) 1,2-Dibromoethane	10.78	107	182529	22.011	ug/l	100
64) Tetrachloroethene	10.27	164	290669	21.749	ug/l	100
65) Chlorobenzene	11.33	112	695826	21.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	232202	22.562	ug/l	96
67) Ethyl Benzene	11.44	91	1215225	22.313	ug/l	96
68) m/p-Xylenes	11.58	106	892717	44.306	ug/l	96
69) o-Xylene	11.95	106	420265	21.887	ug/l	96
70) Styrene	11.97	104	681455	22.110	ug/l	99
71) Bromoform	12.13	173	146743	21.372	ug/l	97
73) Isopropylbenzene	12.29	105	1189803	20.743	ug/l	99
74) N-amyl acetate	12.15	43	276576	19.951	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	187947	20.467	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	179998	19.598	ug/l	100
77) Bromobenzene	12.55	156	318467	21.122	ug/l	98
78) n-propylbenzene	12.65	91	1504115	20.744	ug/l	100
79) 2-Chlorotoluene	12.72	91	814663	20.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	965730	22.034	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	51775	20.212	ug/l	98
82) 4-Chlorotoluene	12.82	91	950315	21.505	ug/l	89
83) tert-Butylbenzene	13.07	119	1066863	21.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.11	105	979925	21.592	ug/l	99
85) sec-Butylbenzene	13.23	105	1280730	20.910	ug/l	98
86) p-Isopropyltoluene	13.36	119	1039030	21.399	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	585436	21.445	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	578523	21.602	ug/l	95
89) n-Butylbenzene	13.67	91	1074442	19.858	ug/l	99
90) Hexachloroethane	13.87	117	254902	20.939	ug/l	98
91) 1,2-Dichlorobenzene	13.68	146	488522	21.898	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21487	19.311	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

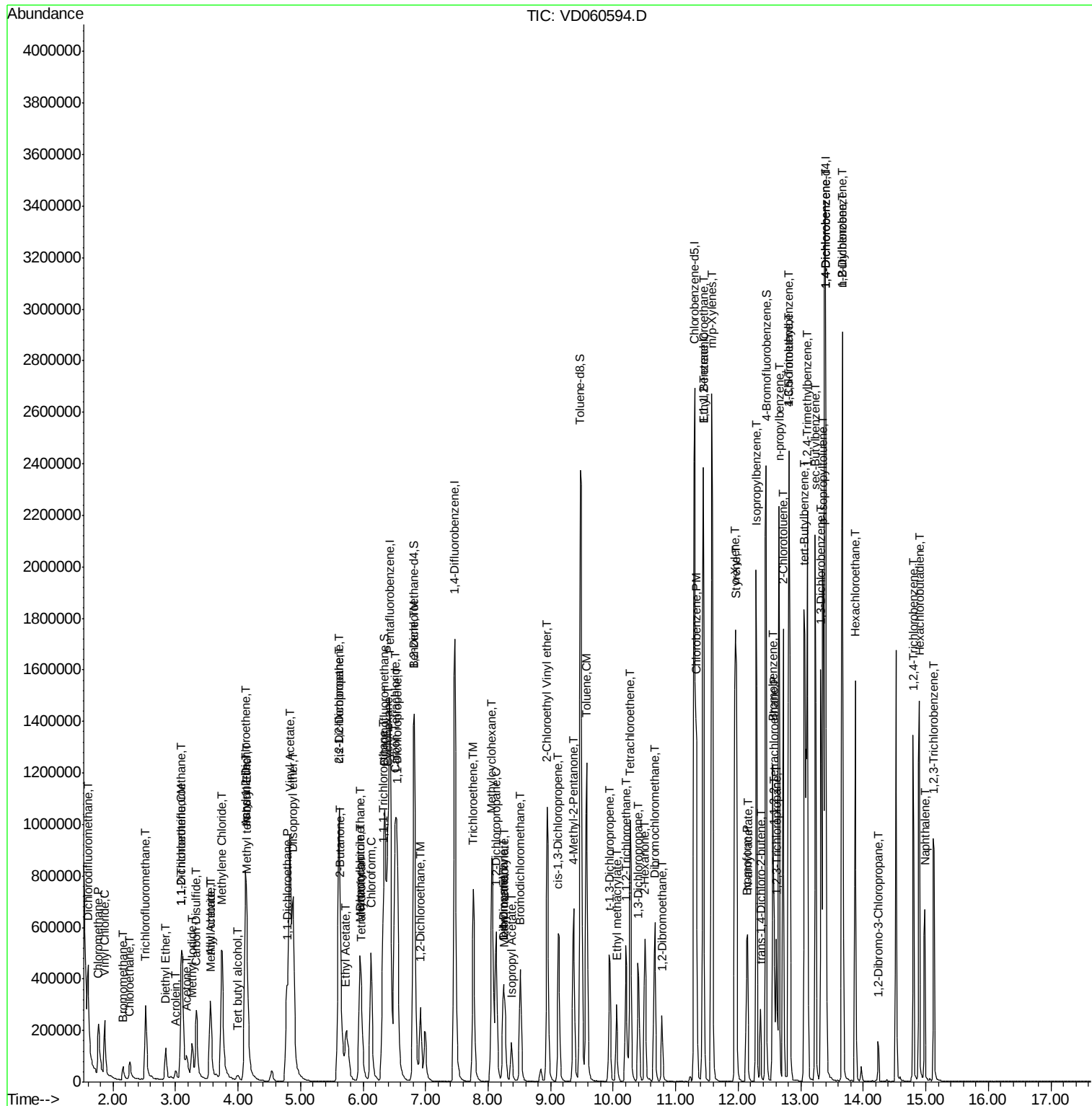
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	371273	21.289	ug/l	95
94) Hexachlorobutadiene	14.90	225	272252	21.159	ug/l	98
95) Naphthalene	14.98	128	430227	20.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	290782	20.926	ug/l	99

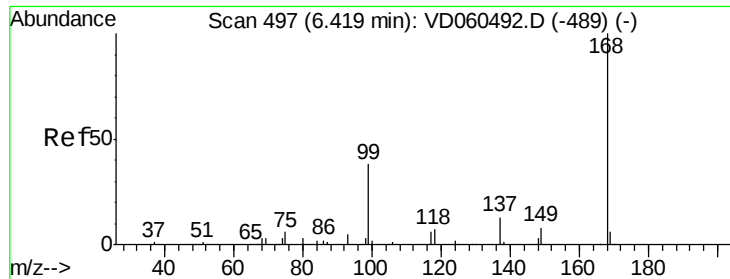
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

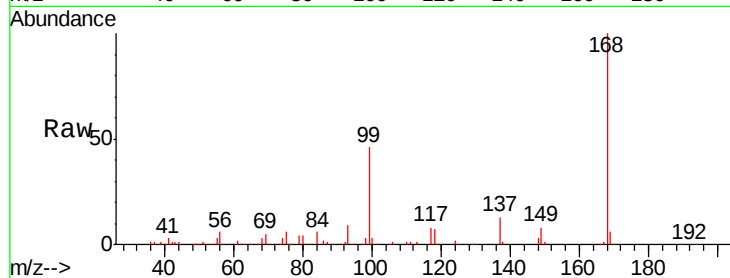
VD1217SBS01

Tgt Ion:168 Resp: 1368079

Ion Ratio Lower Upper

168 100

99 46.3 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

300000

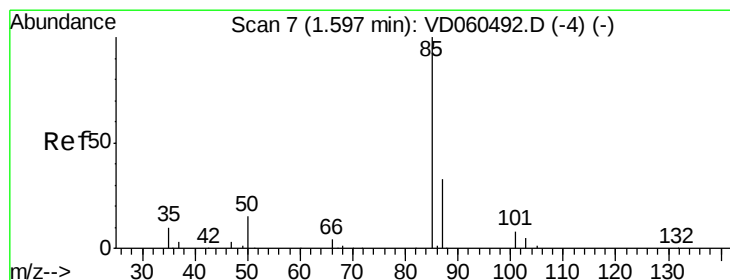
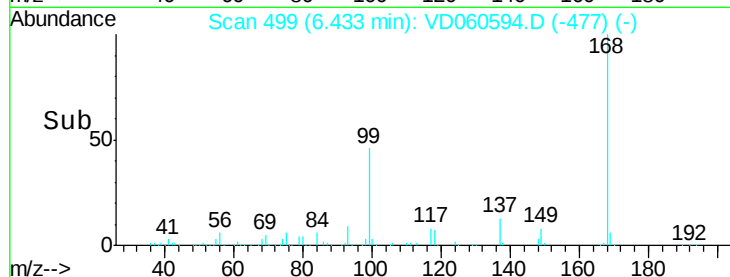
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 24.791 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060594.D

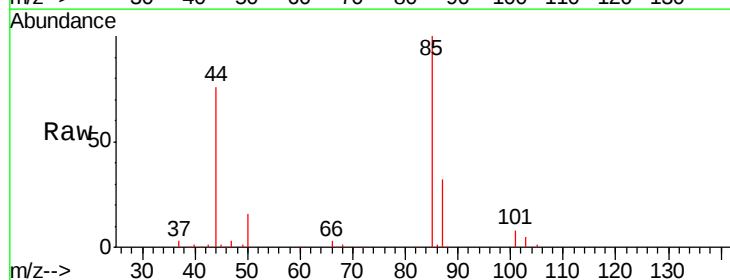
Acq: 17 Dec 2018 12:44

Tgt Ion: 85 Resp: 365889

Ion Ratio Lower Upper

85 100

87 32.3 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

200000

150000

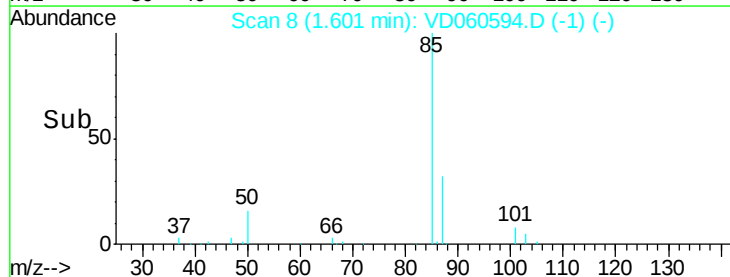
100000

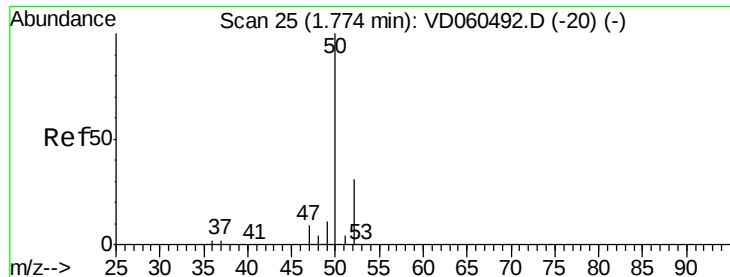
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.987 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

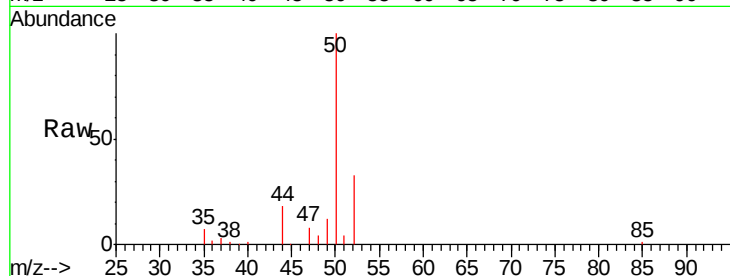
VD1217SBSD01

Tgt Ion: 50 Resp: 309060

Ion Ratio Lower Upper

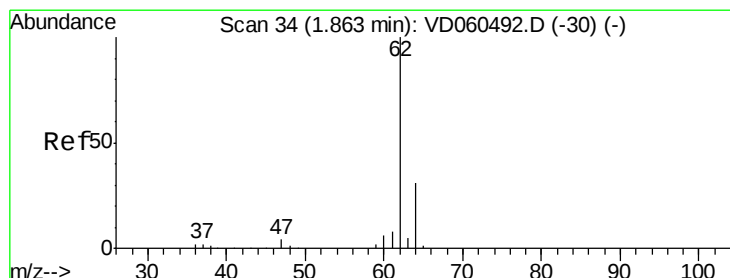
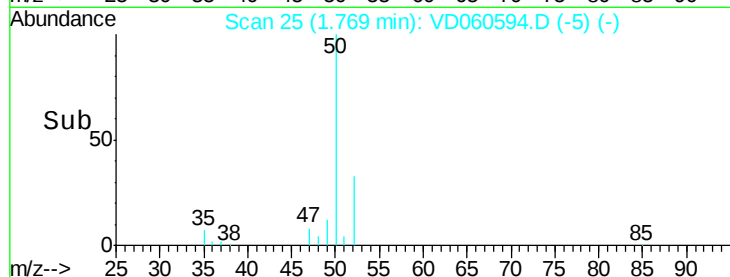
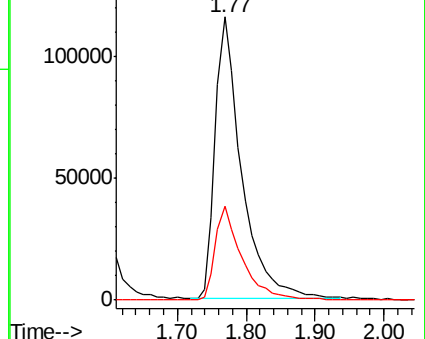
50 100

52 33.0 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.856 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060594.D

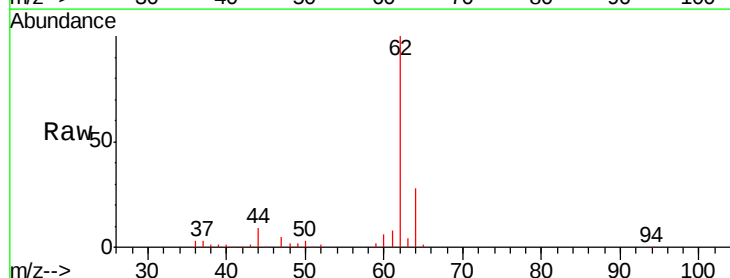
Acq: 17 Dec 2018 12:44

Tgt Ion: 62 Resp: 256404

Ion Ratio Lower Upper

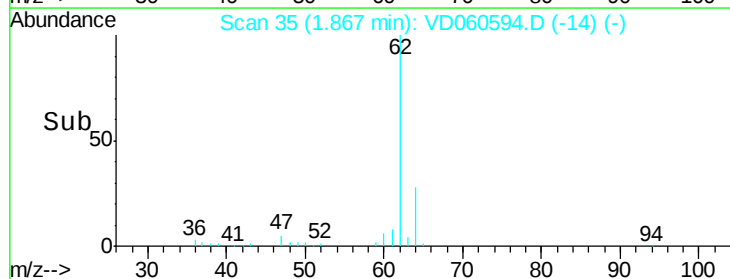
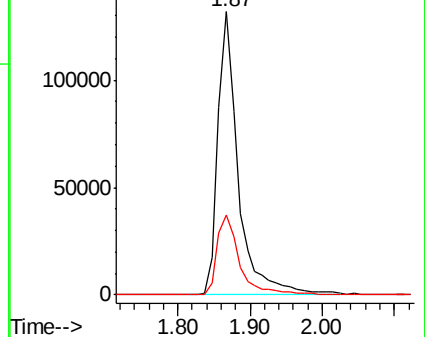
62 100

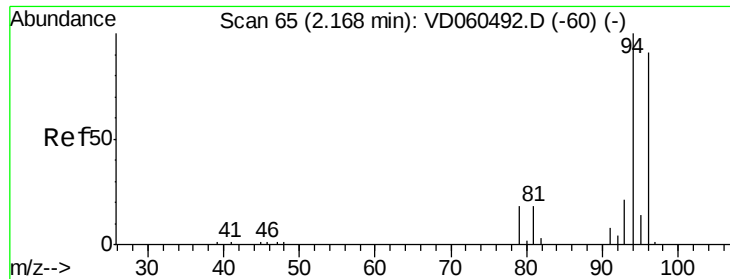
64 28.4 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

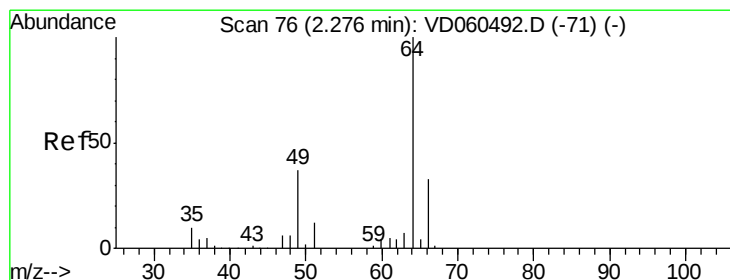
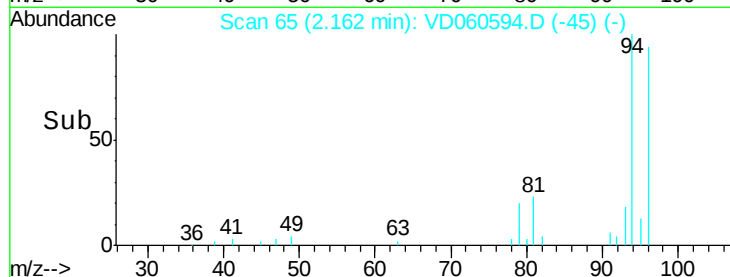
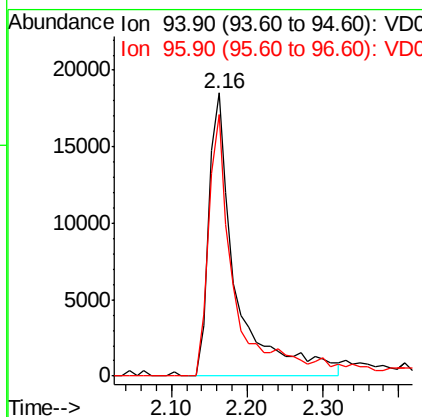
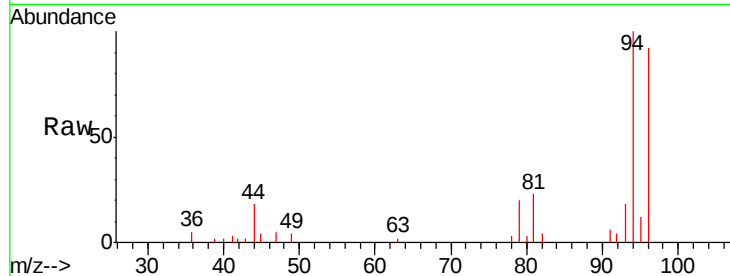




#5
Bromomethane
Concen: 16.564 ug/l
RT: 2.16 min Scan# 65
Delta R.T. -0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

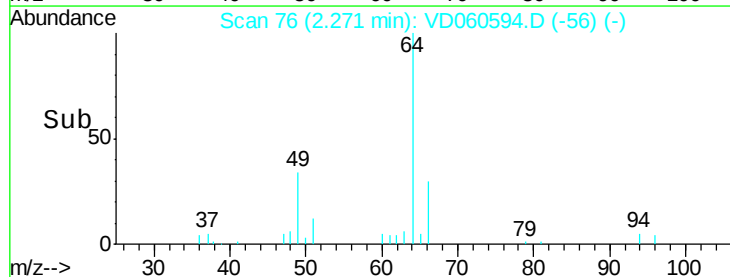
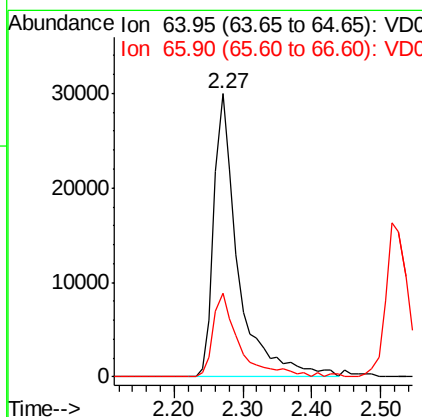
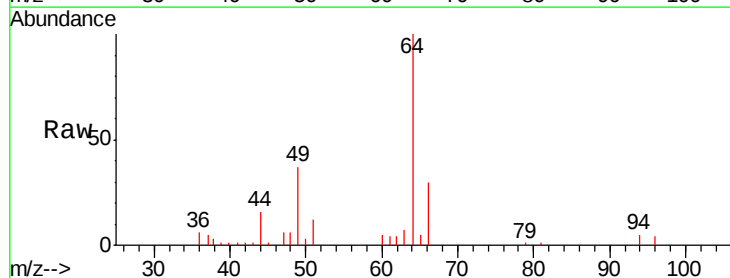
Instrument :
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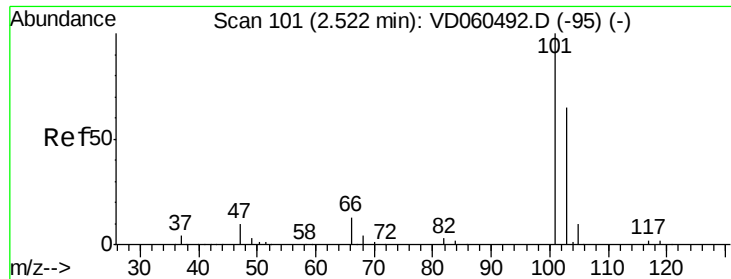
Tgt Ion: 94 Resp: 46487
Ion Ratio Lower Upper
94 100
96 92.3 72.6 108.8



#6
Chloroethane
Concen: 18.751 ug/l
RT: 2.27 min Scan# 76
Delta R.T. -0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 64 Resp: 73262
Ion Ratio Lower Upper
64 100
66 29.5 26.4 39.6



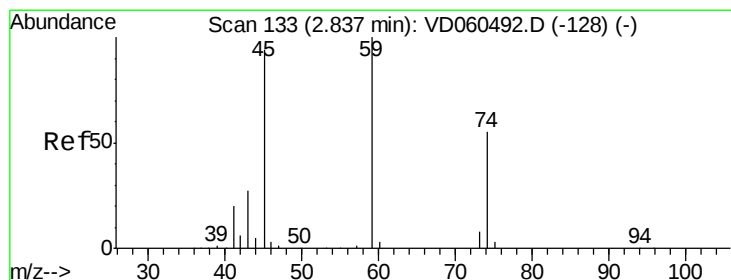
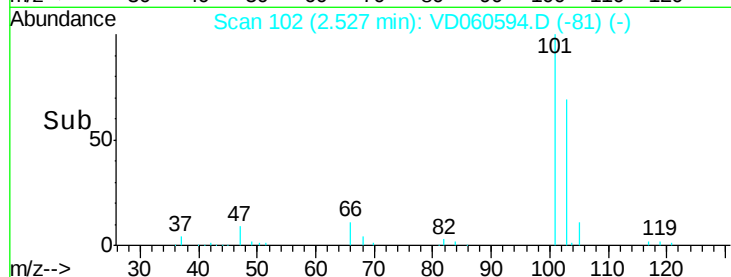
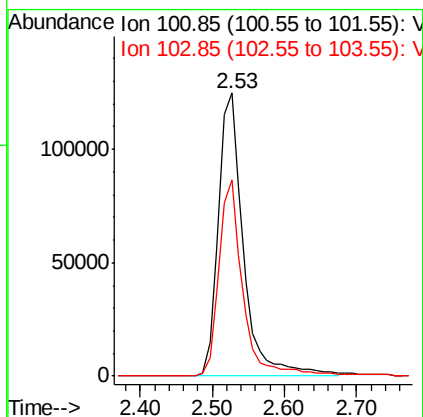
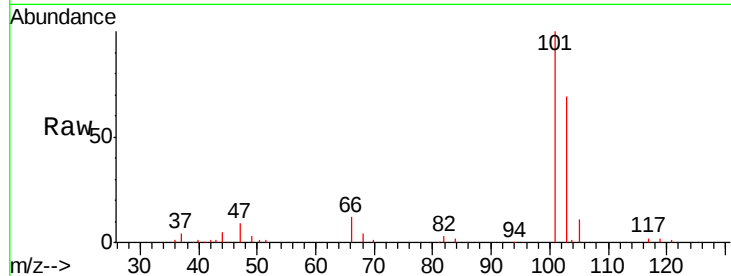


#7

Trichlorofluoromethane
 Concen: 23.102 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

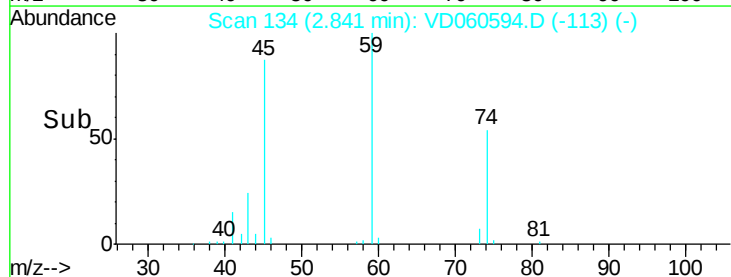
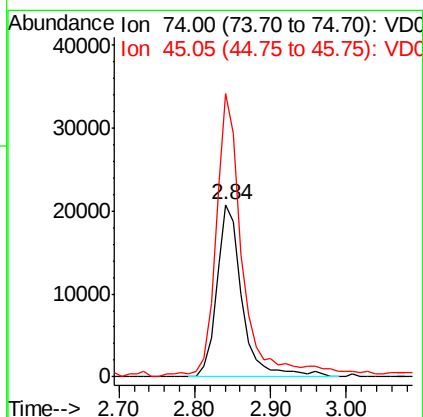
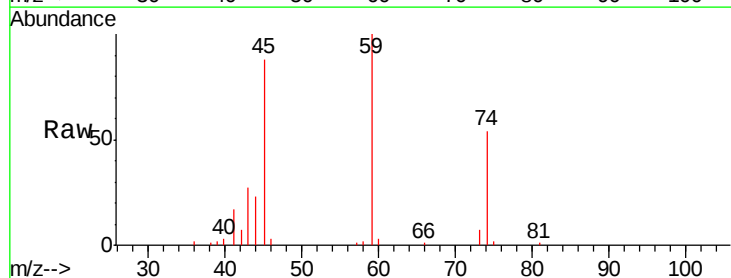
Tgt Ion: 101 Resp: 299242
 Ion Ratio Lower Upper
 101 100
 103 69.3 51.8 77.8

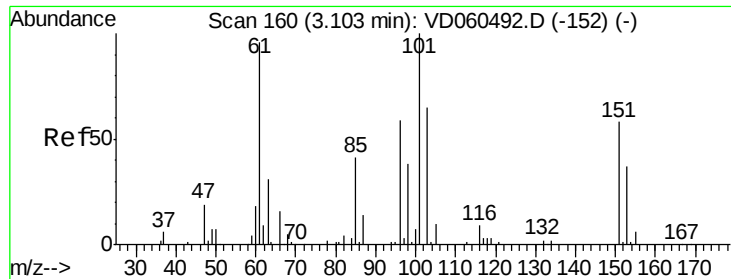


#8

Diethyl Ether
 Concen: 21.567 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion: 74 Resp: 48253
 Ion Ratio Lower Upper
 74 100
 45 164.3 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.829 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

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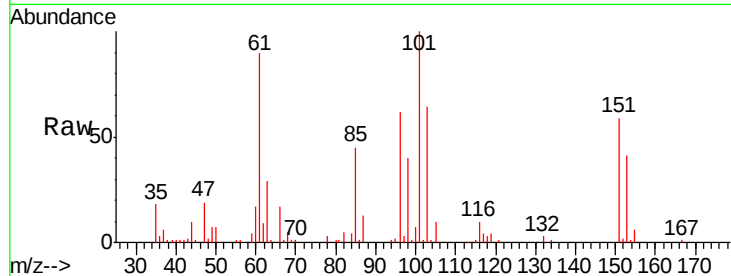
Tgt Ion:101 Resp: 191866

Ion Ratio Lower Upper

101 100

85 45.0 32.7 49.1

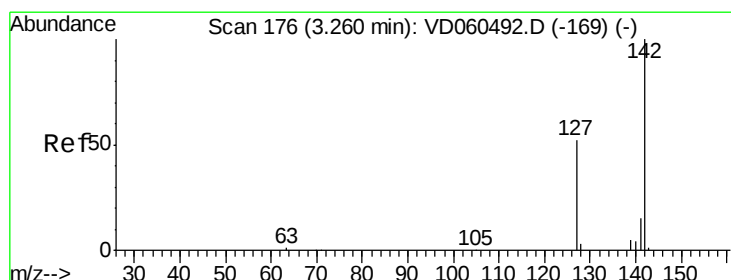
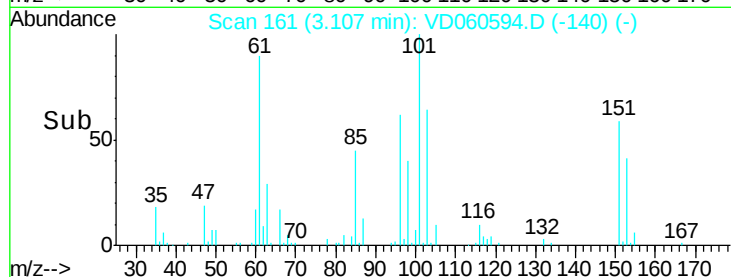
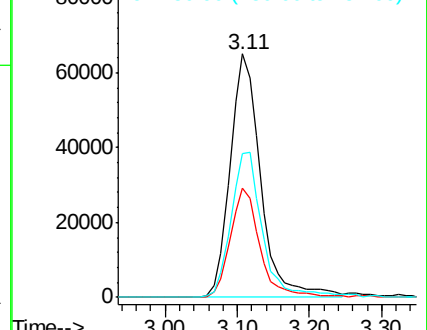
151 59.0 46.6 69.8



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: 21.591 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

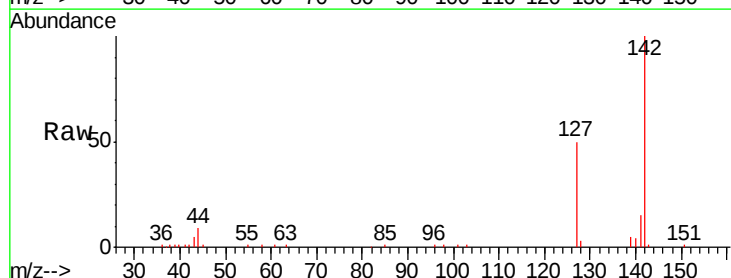
Tgt Ion:142 Resp: 212115

Ion Ratio Lower Upper

142 100

127 50.2 41.2 61.8

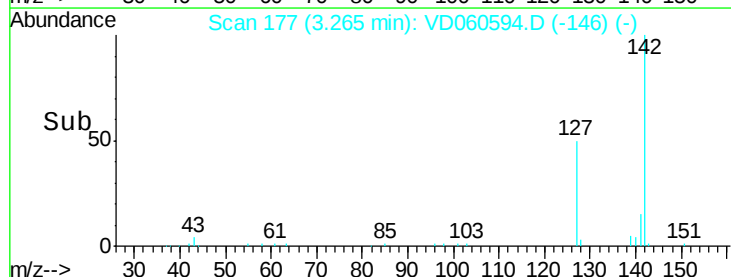
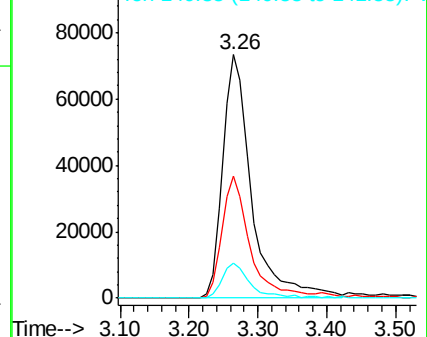
141 14.6 11.9 17.9

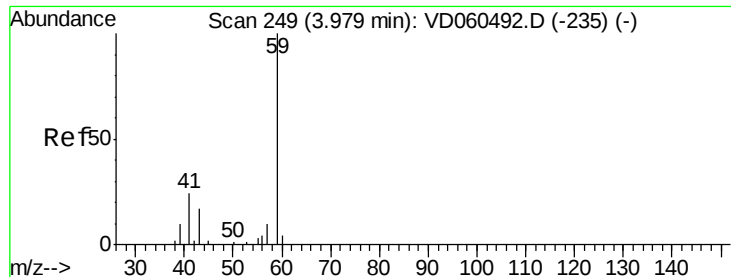


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



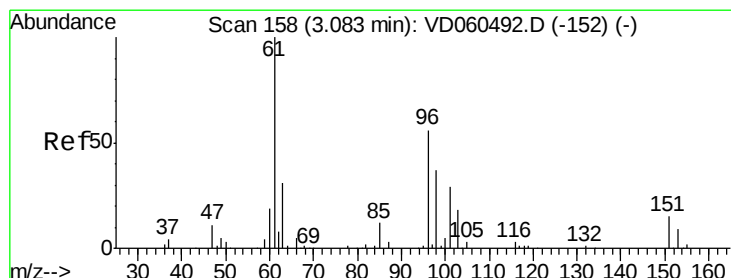
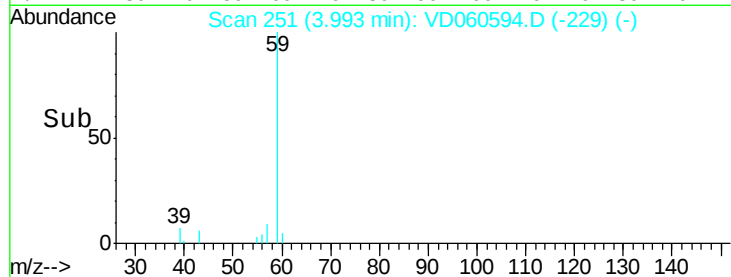
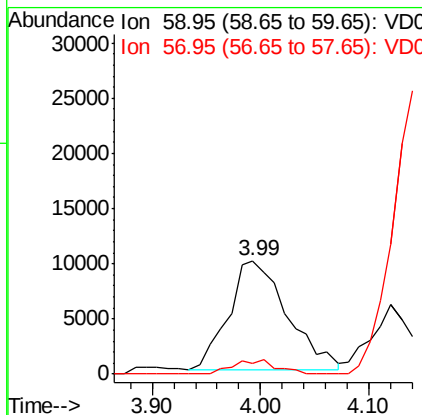
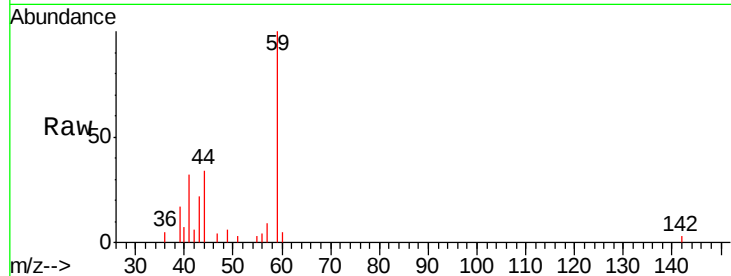


#11

Tert butyl alcohol
 Concen: 94.630 ug/l
 RT: 3.99 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

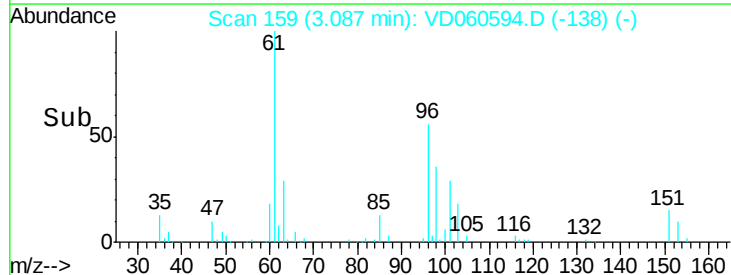
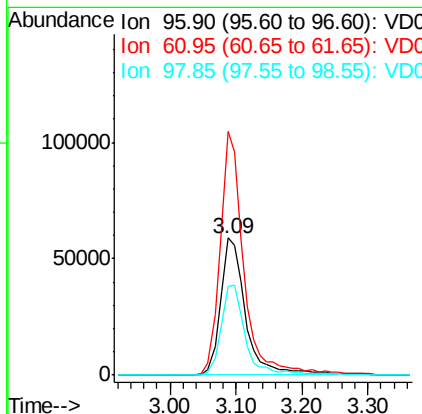
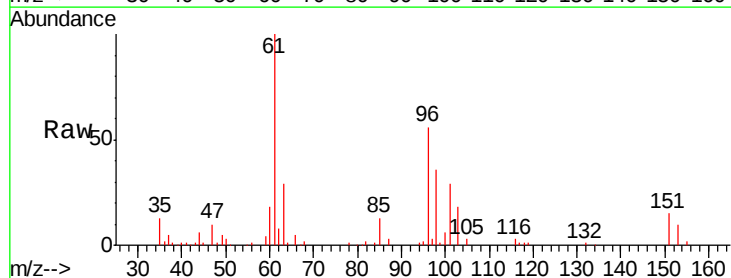
Tgt Ion: 59 Resp: 37280
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.1 12.1

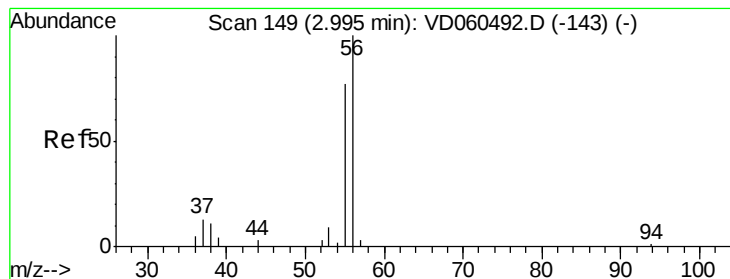


#12

1,1-Dichloroethene
 Concen: 22.913 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion: 96 Resp: 156680
 Ion Ratio Lower Upper
 96 100
 61 177.7 143.0 214.4
 98 64.7 53.4 80.0





#13

Acrolein

Concen: 91.191 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

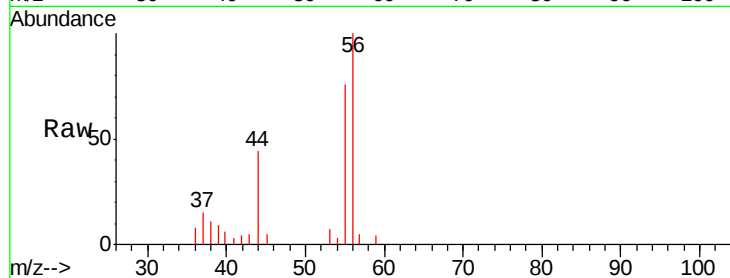
VD1217SBS01

Tgt Ion: 56 Resp: 39255

Ion Ratio Lower Upper

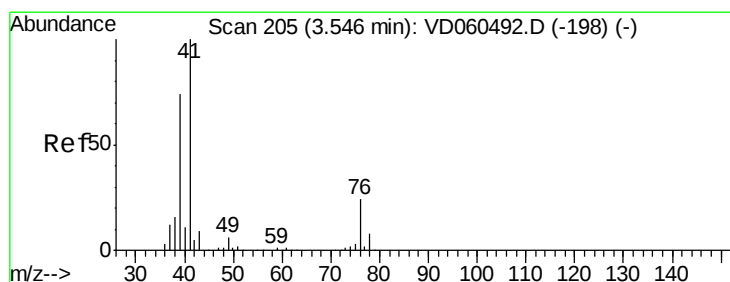
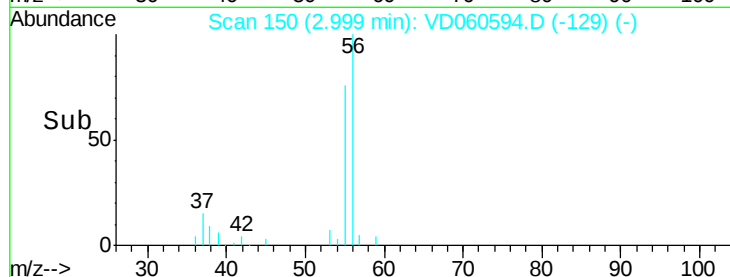
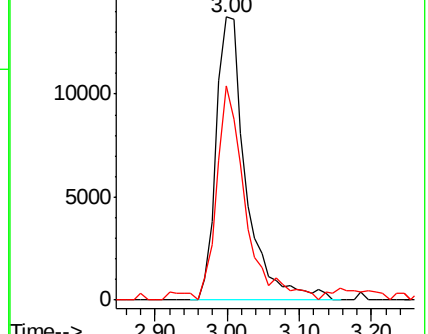
56 100

55 75.7 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.016 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

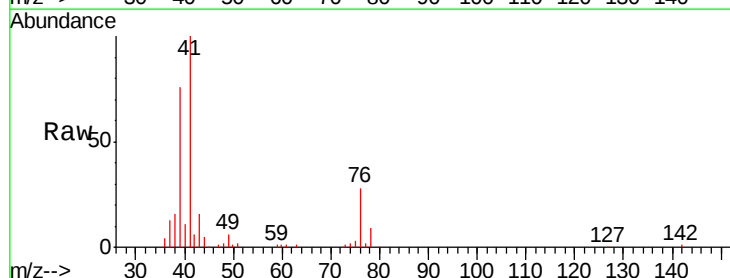
Tgt Ion: 41 Resp: 272666

Ion Ratio Lower Upper

41 100

39 76.1 59.3 88.9

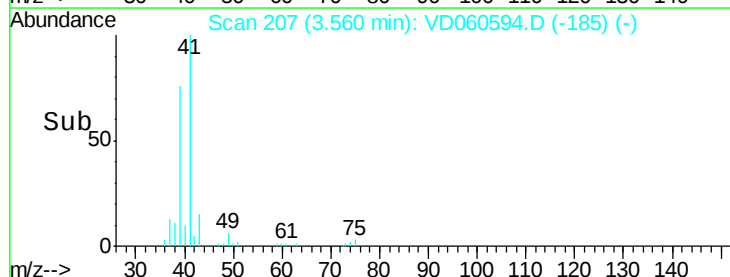
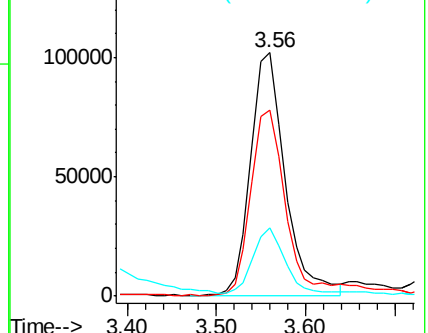
76 28.1 21.0 31.6

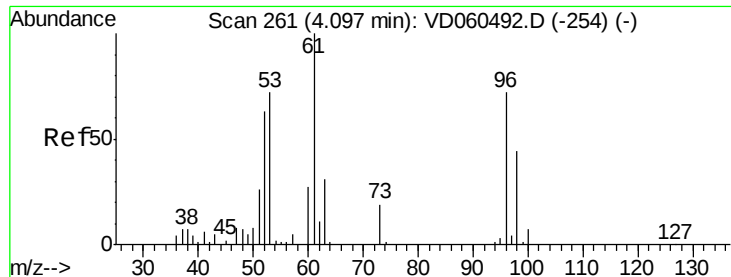


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.538 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

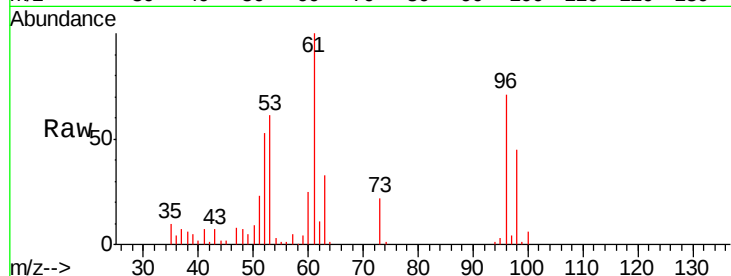
Tgt Ion: 53 Resp: 238316

Ion Ratio Lower Upper

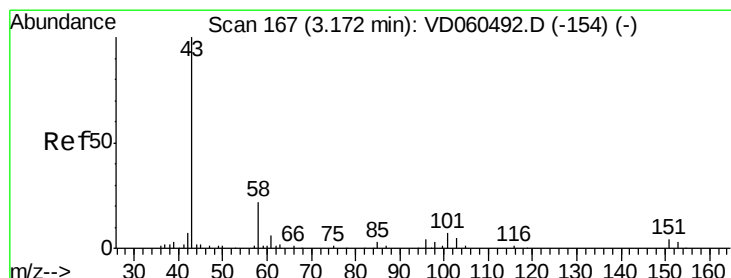
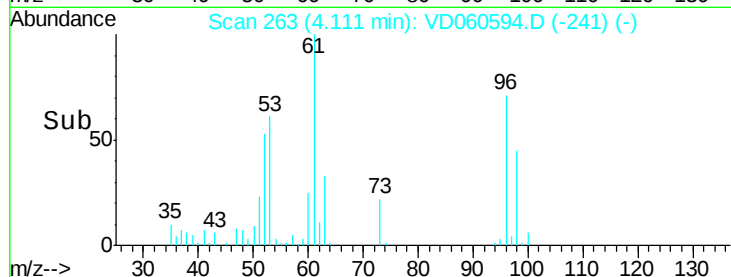
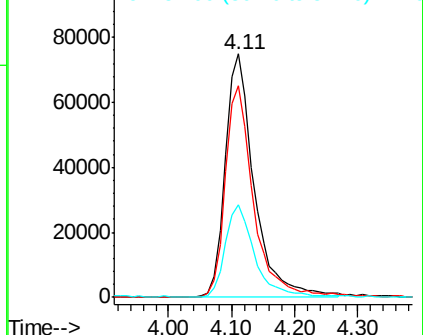
53 100

52 87.0 70.0 105.0

51 38.1 28.8 43.2



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



#16

Acetone

Concen: 104.296 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060594.D

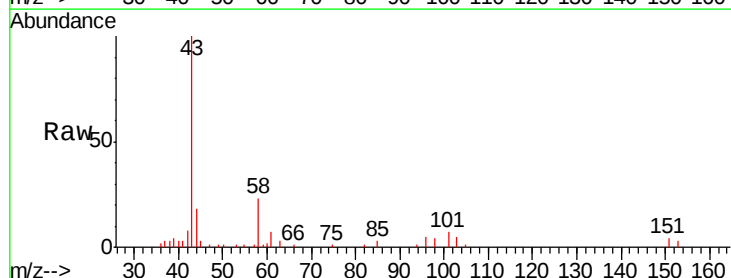
Acq: 17 Dec 2018 12:44

Tgt Ion: 43 Resp: 162110

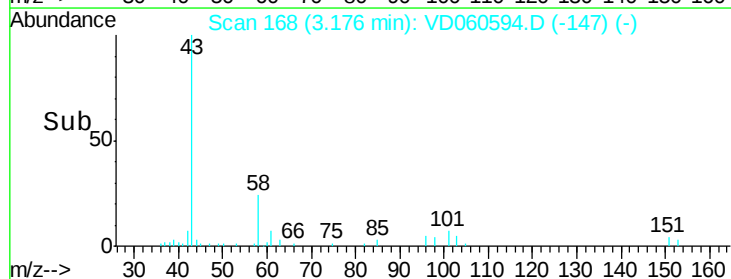
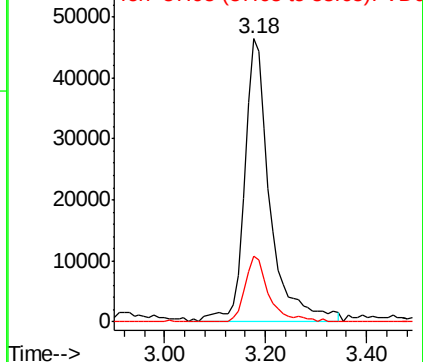
Ion Ratio Lower Upper

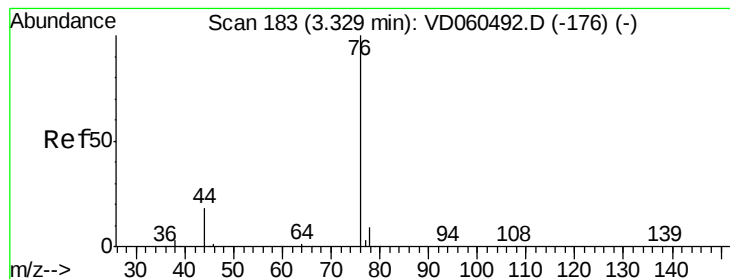
43 100

58 23.2 17.3 25.9



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





#17

Carbon Disulfide

Concen: 21.392 ug/l

RT: 3.33 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

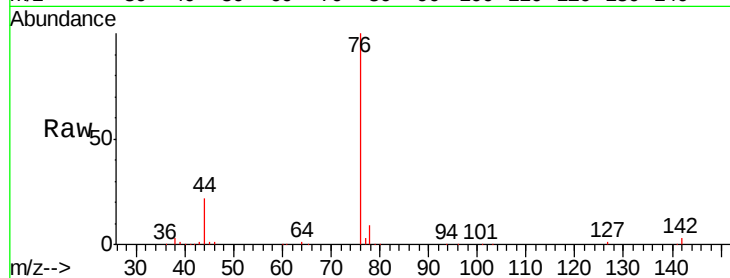
VD1217SBSD01

Tgt Ion: 76 Resp: 475164

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

200000

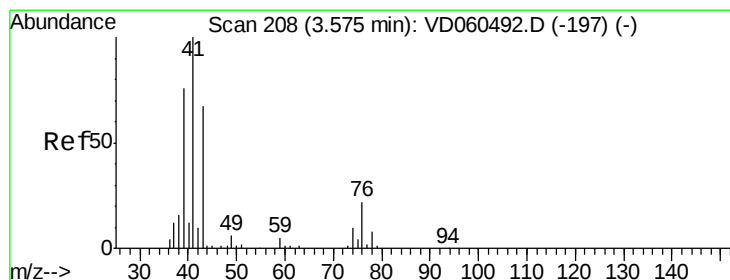
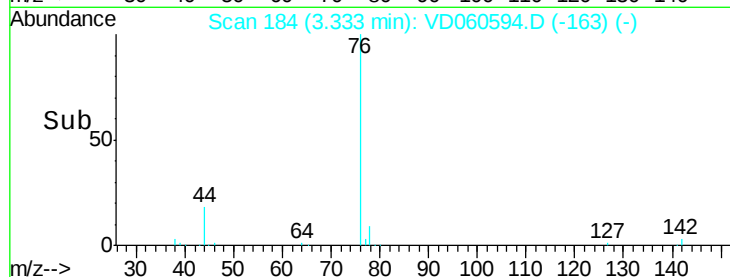
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.314 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.00 min

Lab File: VD060594.D

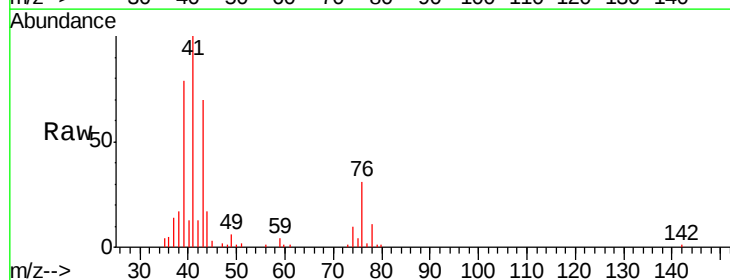
Acq: 17 Dec 2018 12:44

Tgt Ion: 43 Resp: 75041

Ion Ratio Lower Upper

43 100

74 14.2 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.58

30000

25000

20000

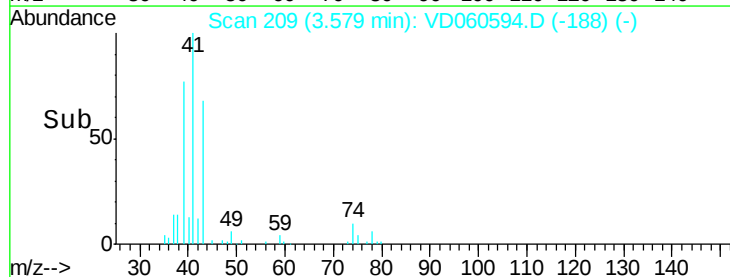
15000

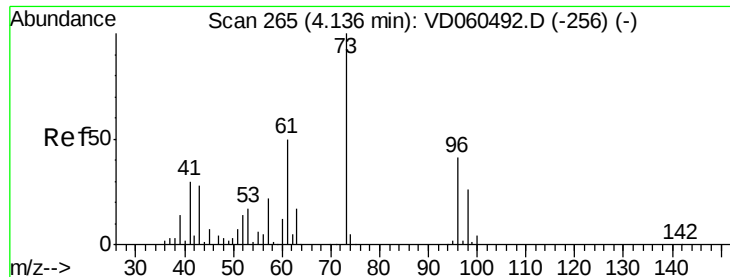
10000

5000

0

Time-->



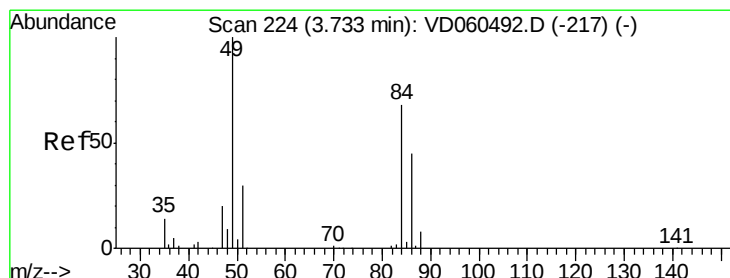
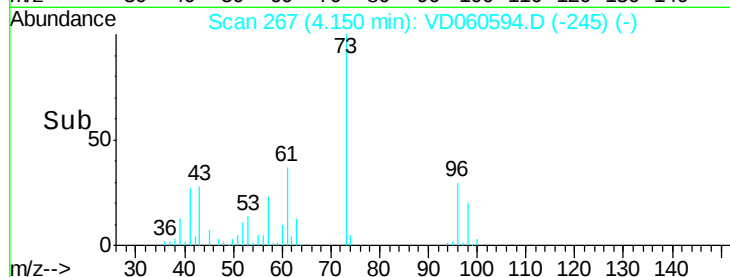
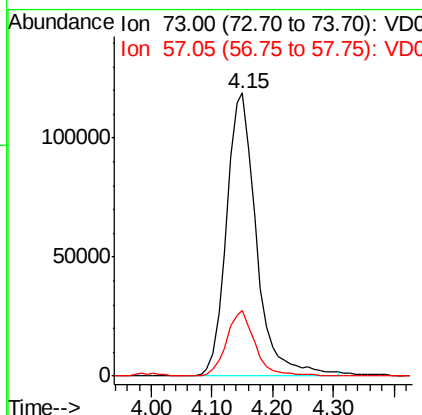
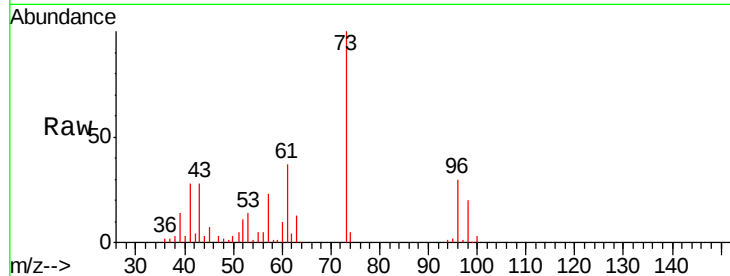


#19

Methyl tert-butyl Ether
Concen: 21.490 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

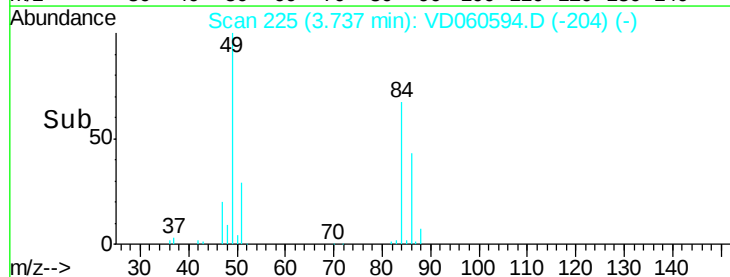
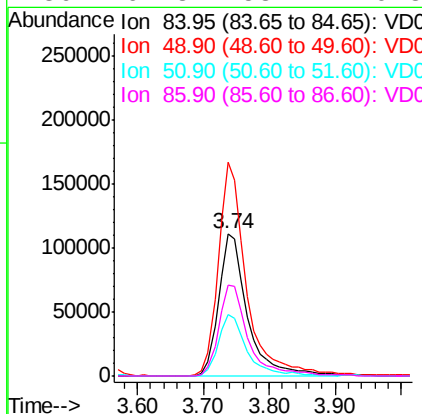
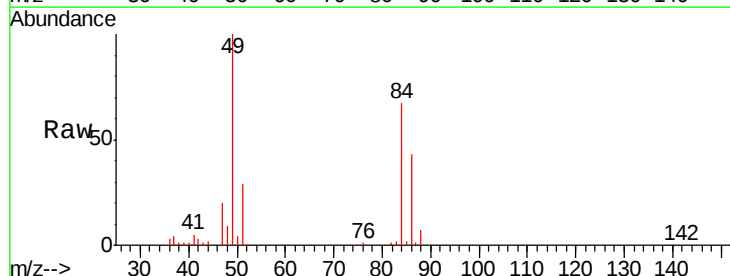
Tgt Ion: 73 Resp: 407516
Ion Ratio Lower Upper
73 100
57 23.1 17.8 26.6

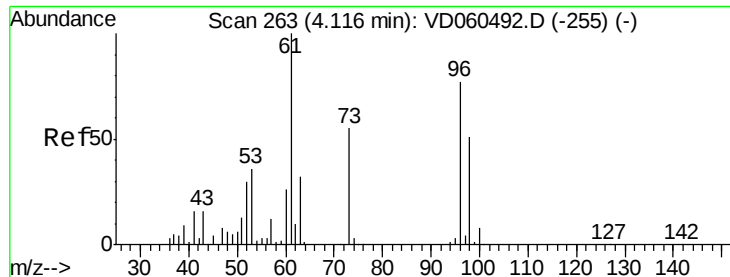


#20

Methylene Chloride
Concen: 21.105 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 84 Resp: 338094
Ion Ratio Lower Upper
84 100
49 150.3 117.2 175.8
51 43.6 35.3 52.9
86 64.3 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.406 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.00 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

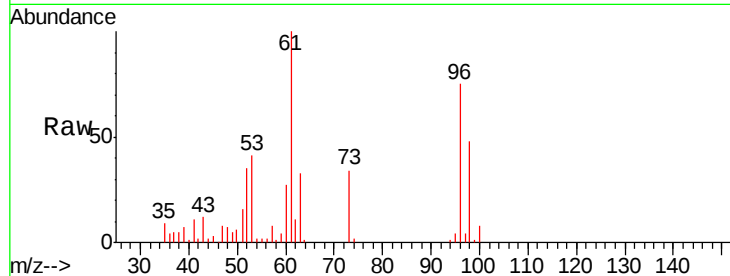
Tgt Ion: 96 Resp: 318403

Ion Ratio Lower Upper

96 100

61 132.8 104.2 156.4

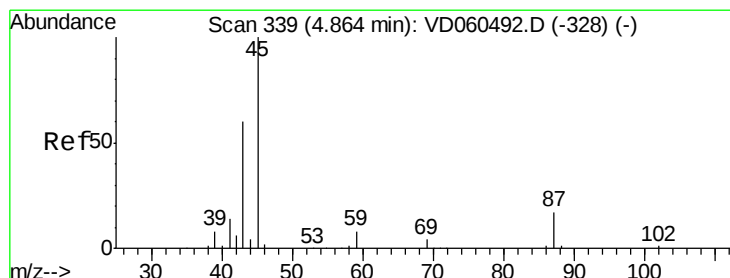
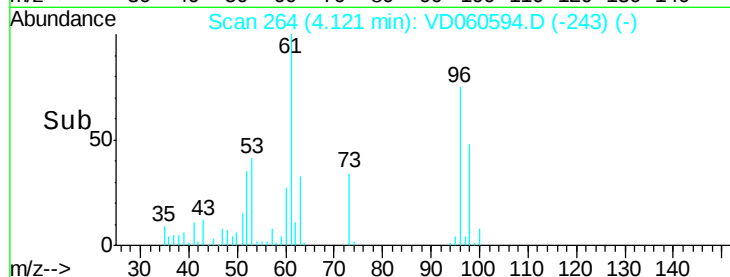
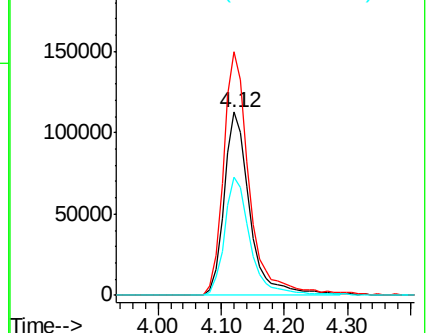
98 64.2 52.8 79.2



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: 21.496 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Tgt Ion: 45 Resp: 1001290

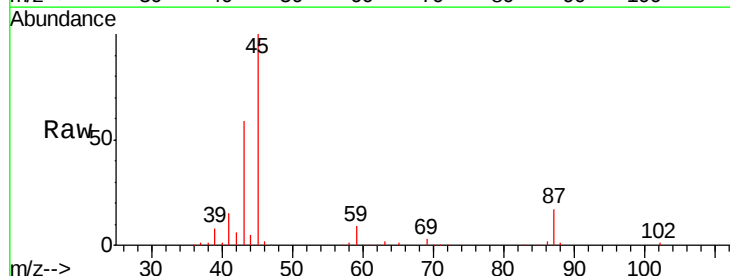
Ion Ratio Lower Upper

45 100

43 59.1 48.6 73.0

87 17.3 14.0 21.0

59 8.7 6.9 10.3

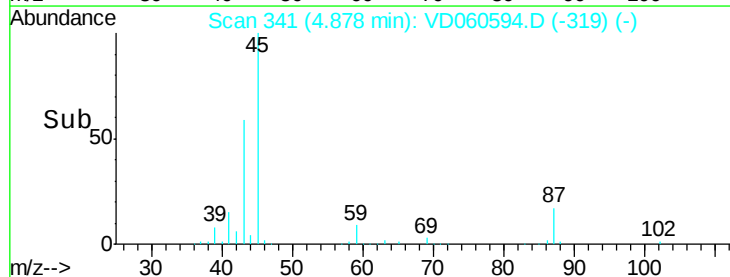
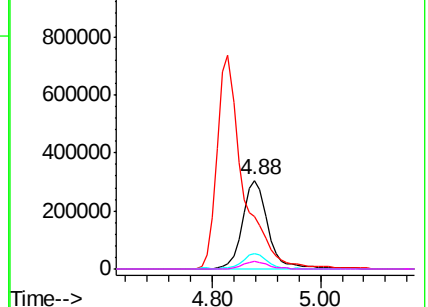


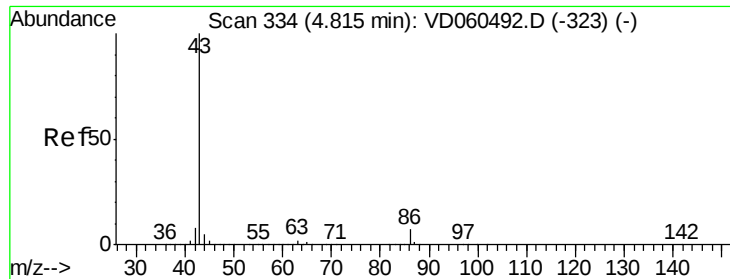
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 105.003 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

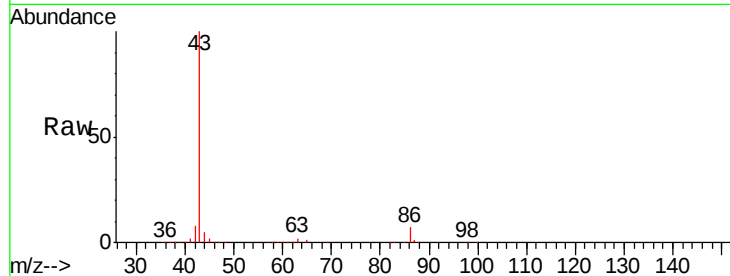
VD1217SBS01

Tgt Ion: 43 Resp: 2423380

Ion Ratio Lower Upper

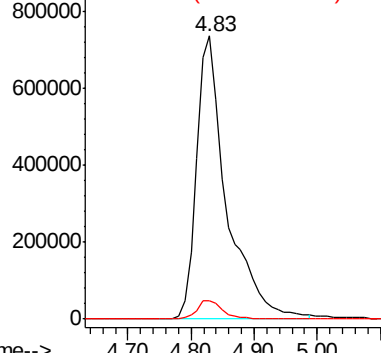
43 100

86 6.5 5.5 8.3

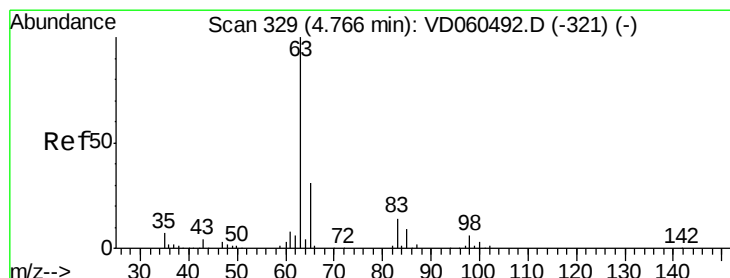
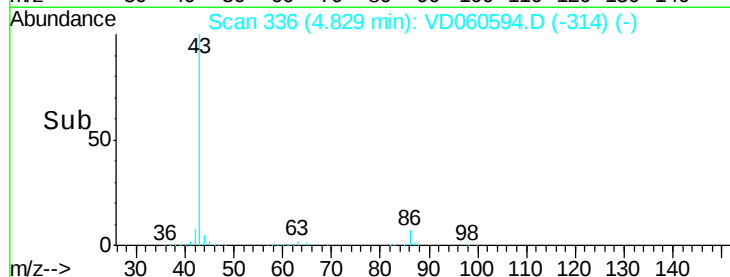


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 21.660 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

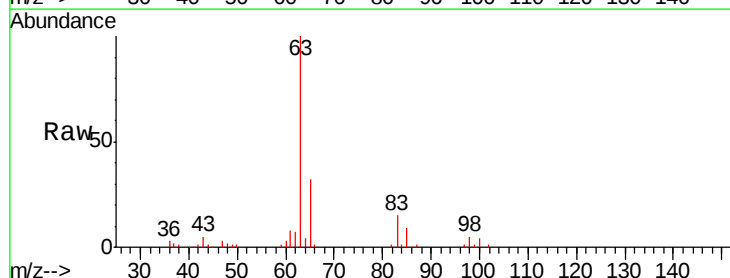
Tgt Ion: 63 Resp: 524156

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

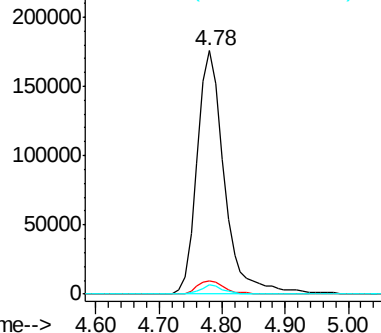
100 3.8 1.7 5.1



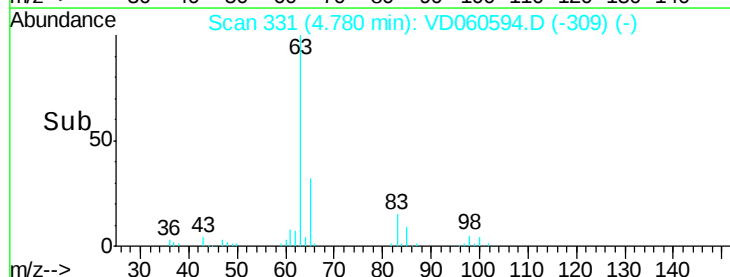
Abundance Ion 62.95 (62.65 to 63.65): VDC

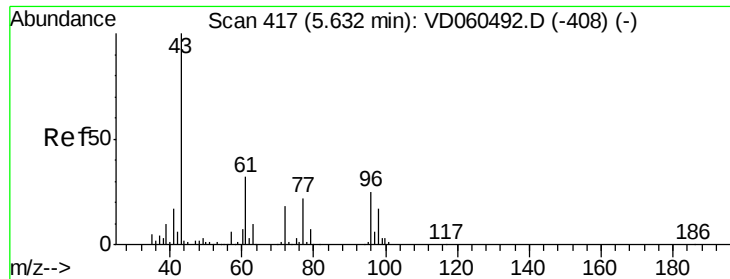
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 104.060 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

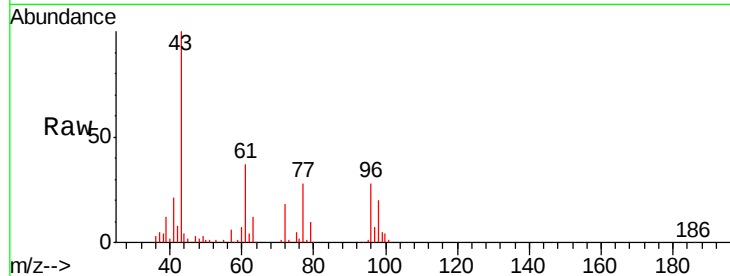
VD1217SBS01

Tgt Ion: 43 Resp: 318217

Ion Ratio Lower Upper

43 100

72 17.6 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.65

120000

100000

80000

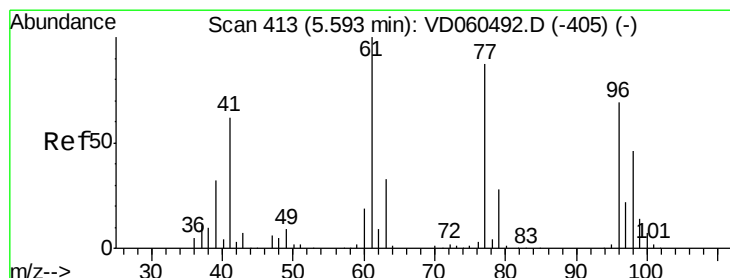
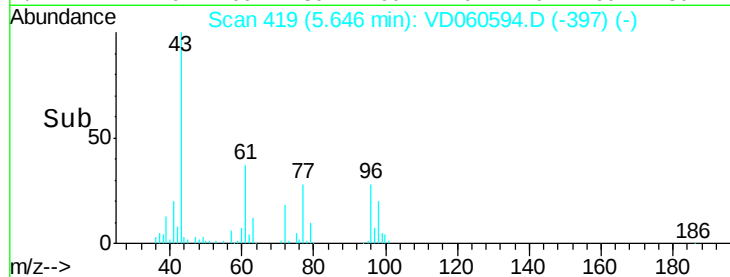
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 22.525 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060594.D

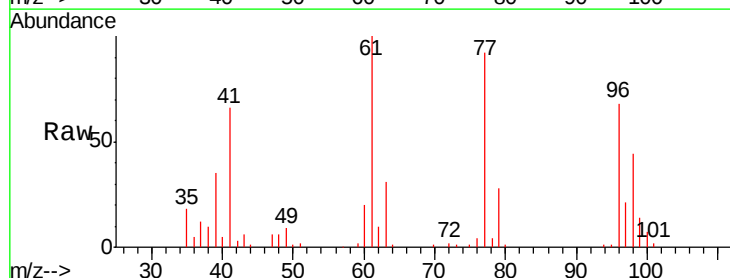
Acq: 17 Dec 2018 12:44

Tgt Ion: 77 Resp: 421092

Ion Ratio Lower Upper

77 100

97 22.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.61

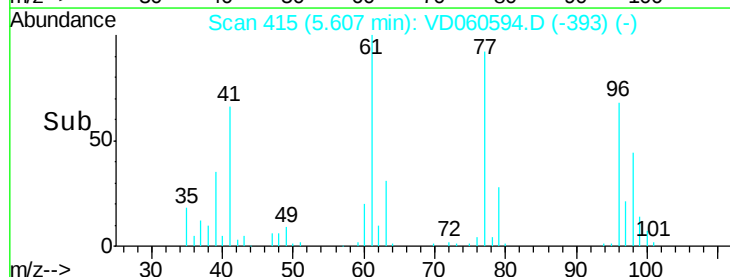
150000

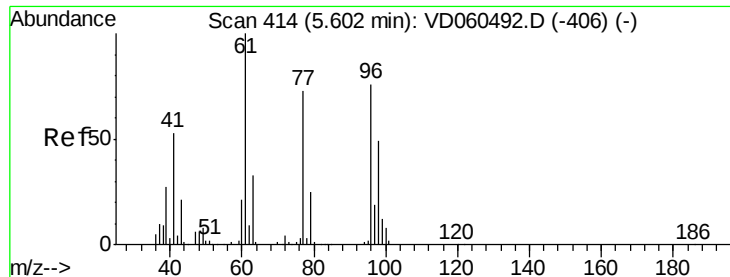
100000

50000

0

Time-->



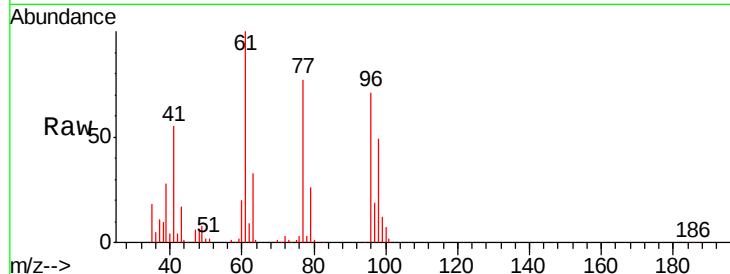


#27

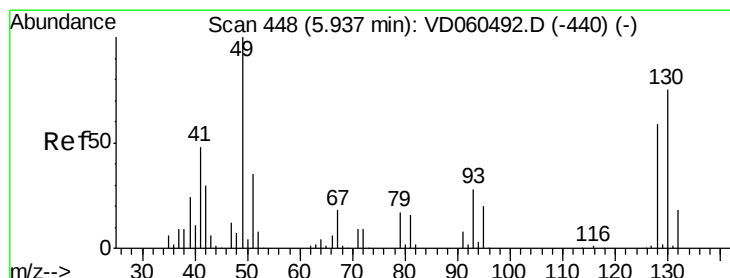
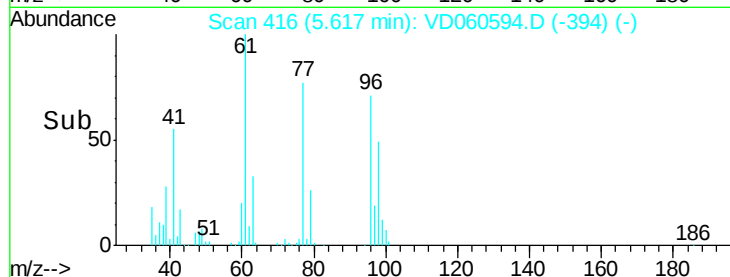
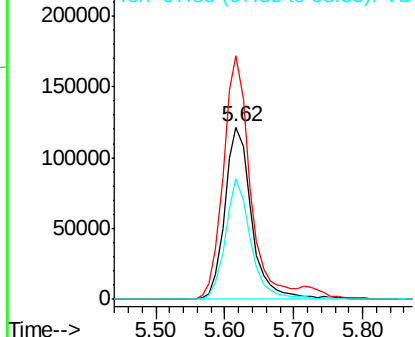
cis-1,2-Dichloroethene
Concen: 21.675 ug/l
RT: 5.62 min Scan# 416
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

Tgt Ion: 96 Resp: 327816
Ion Ratio Lower Upper
96 100
61 141.6 0.0 263.6
98 70.0 0.0 128.2



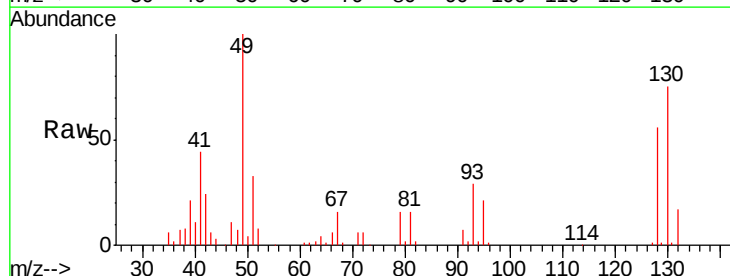
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



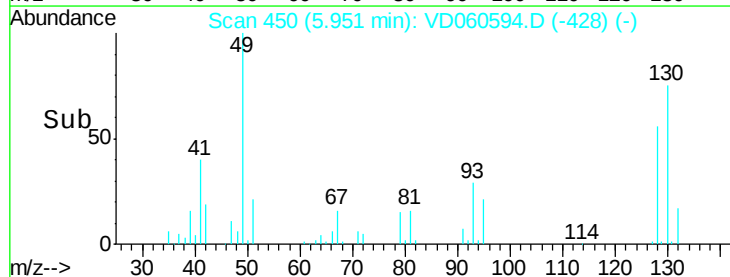
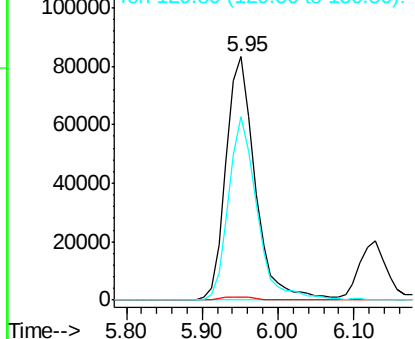
#28

Bromochloromethane
Concen: 20.797 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 49 Resp: 222943
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.4
130 75.4 59.8 89.6



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

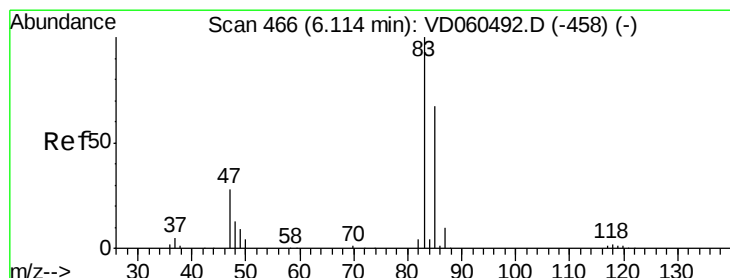
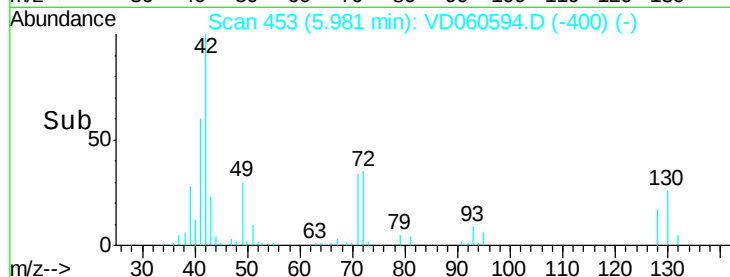
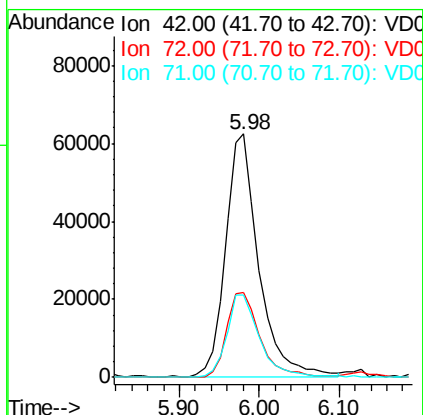
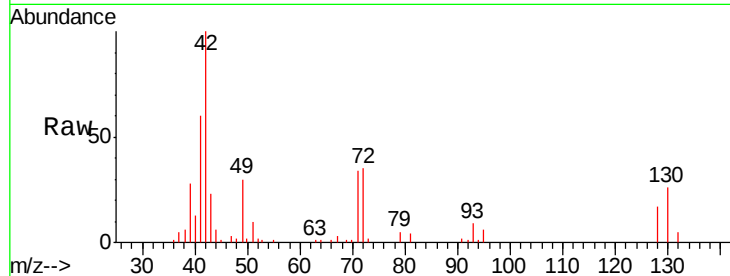




#29
Tetrahydrofuran
Concen: 105.190 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

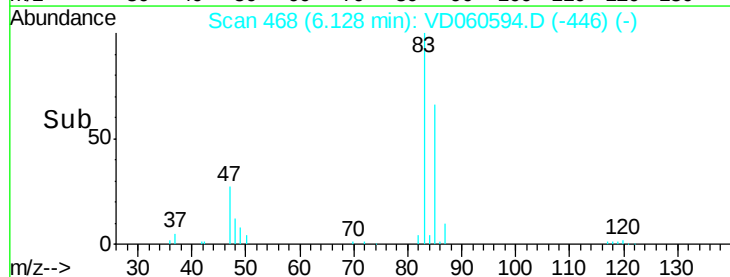
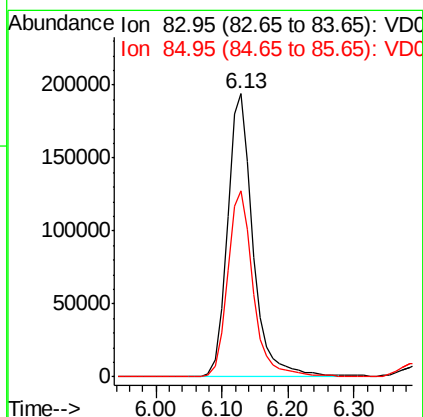
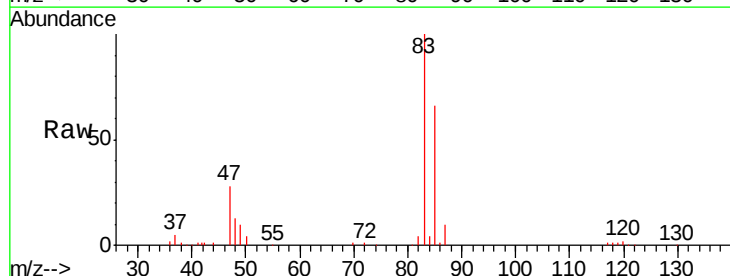
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

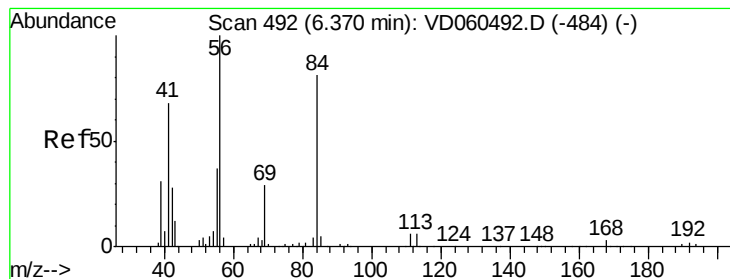
Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.8	28.0	42.0
71	33.3	27.2	40.8



#30
Chloroform
Concen: 21.475 ug/l
RT: 6.13 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.4	80.2





#31

Cyclohexane

Concen: 21.444 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

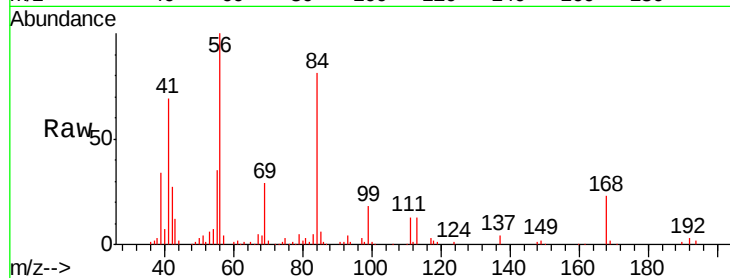
Tgt Ion: 56 Resp: 489014

Ion Ratio Lower Upper

56 100

69 29.1 22.8 34.2

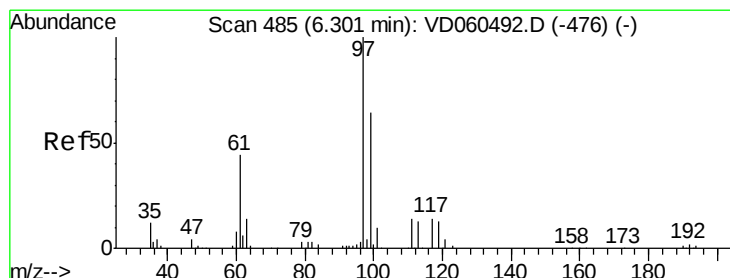
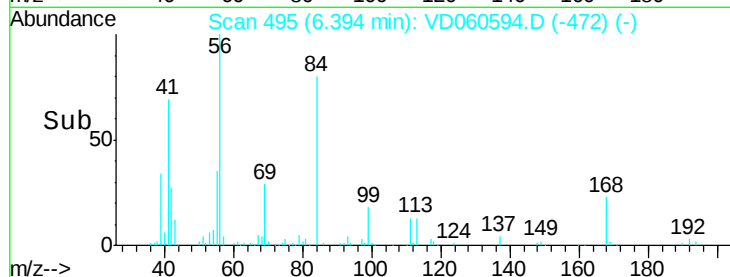
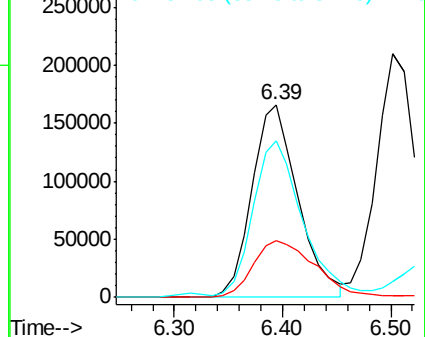
84 80.9 65.1 97.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 21.526 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

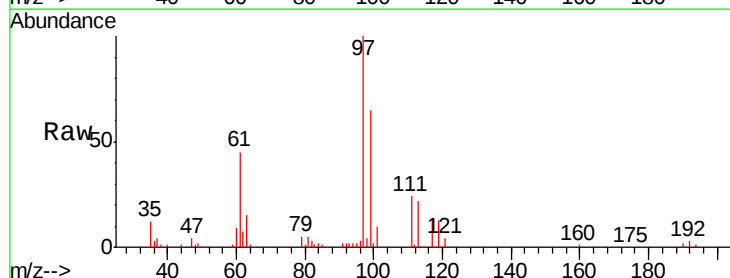
Tgt Ion: 97 Resp: 431423

Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.4

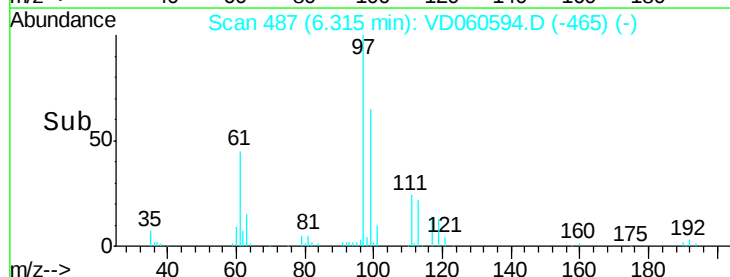
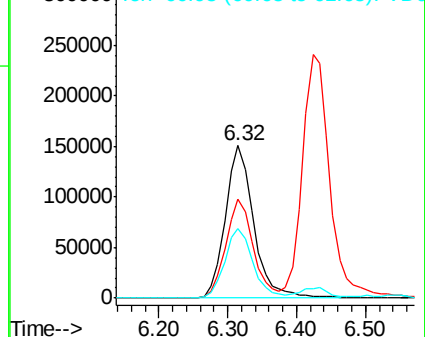
61 45.4 35.3 52.9

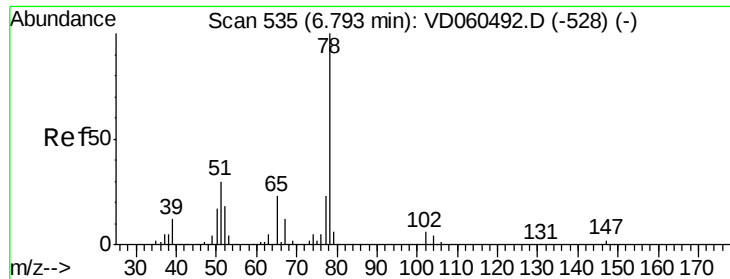


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 21.526 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

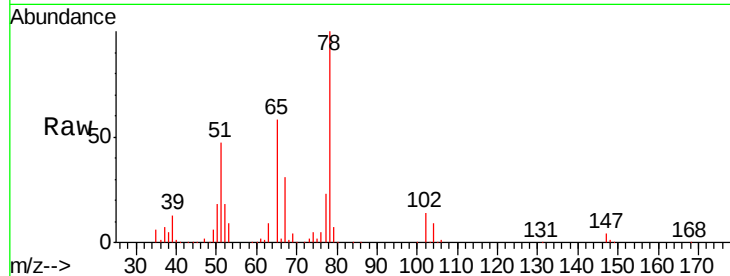
VD1217SBS01

Tgt Ion: 65 Resp: 491708

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.81

200000

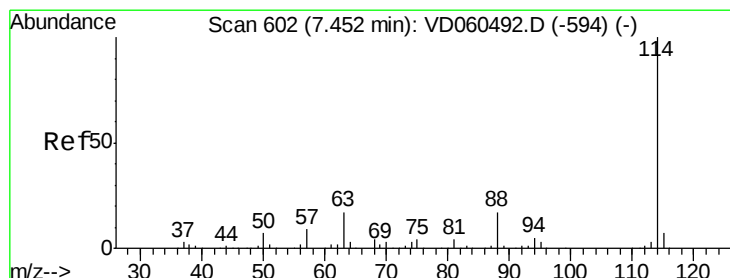
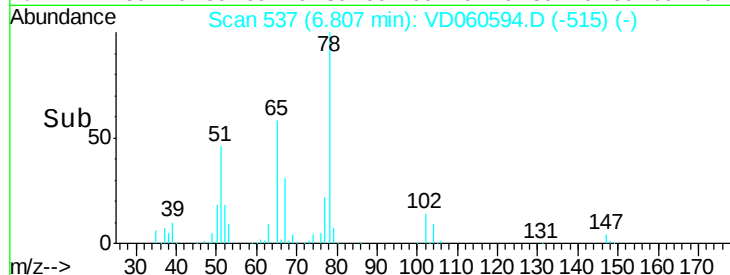
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

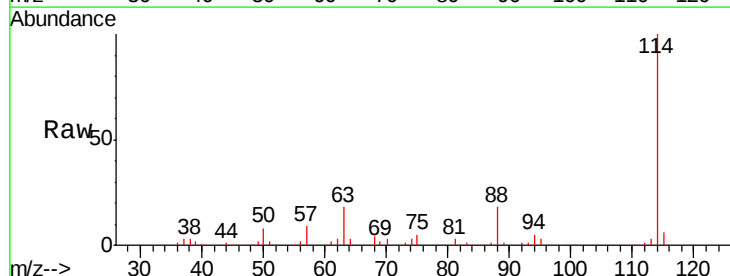
Tgt Ion: 114 Resp: 1871429

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.2

88 17.7 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

7.47

1000000

800000

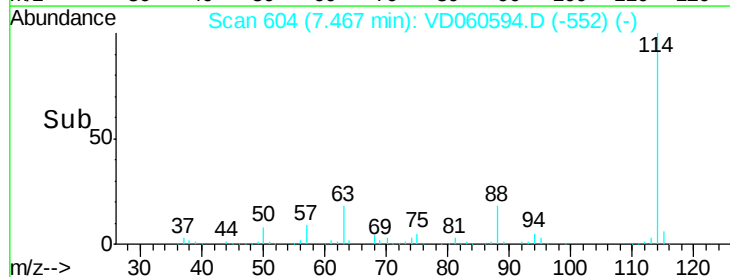
600000

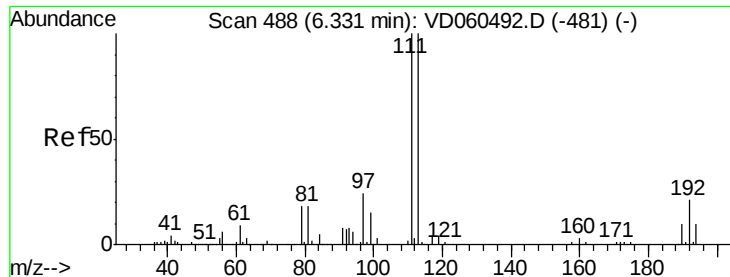
400000

200000

0

Time-->

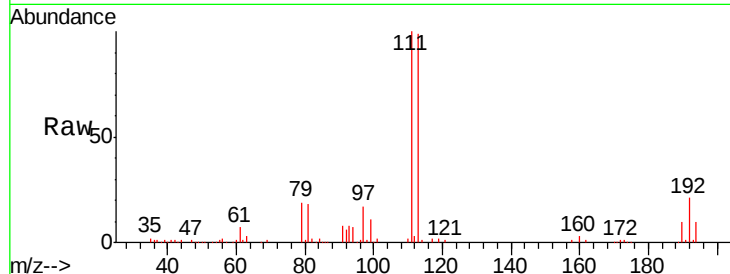




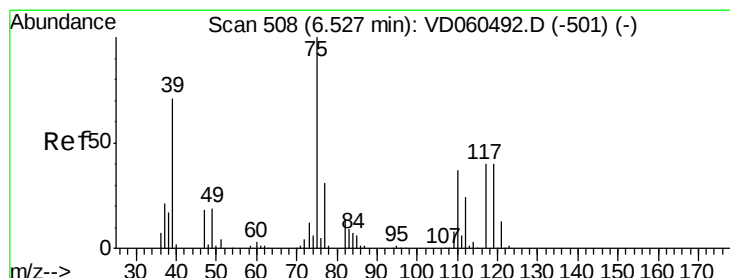
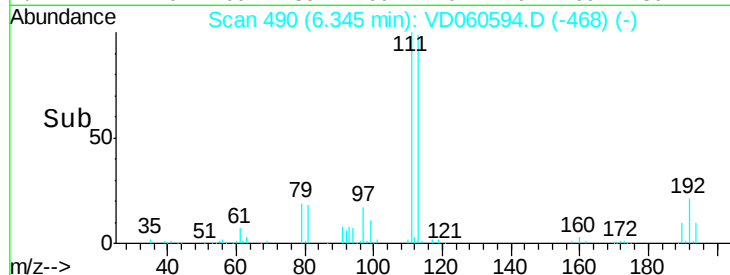
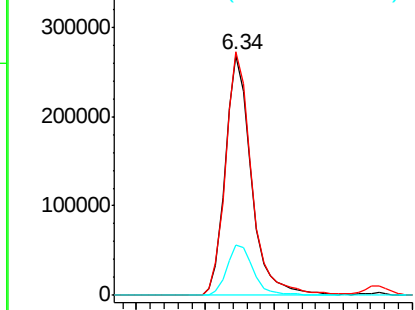
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.2	120.4
192	21.1	16.6	24.8

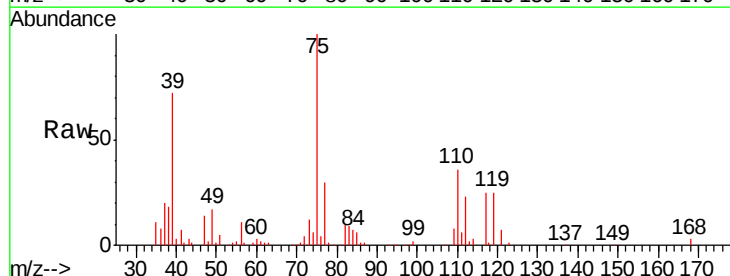


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

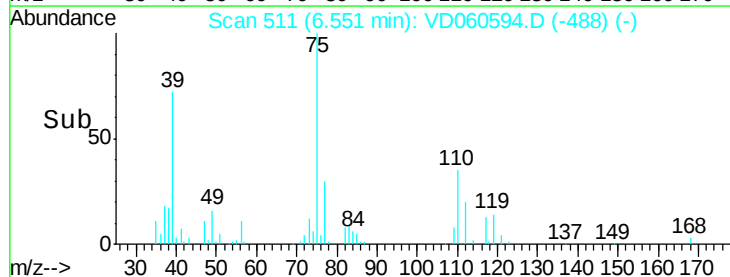
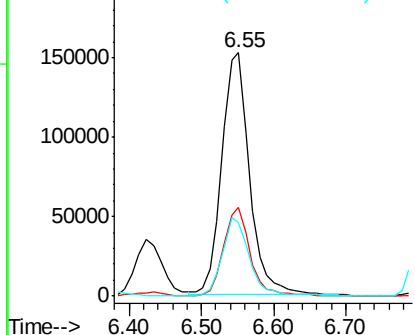


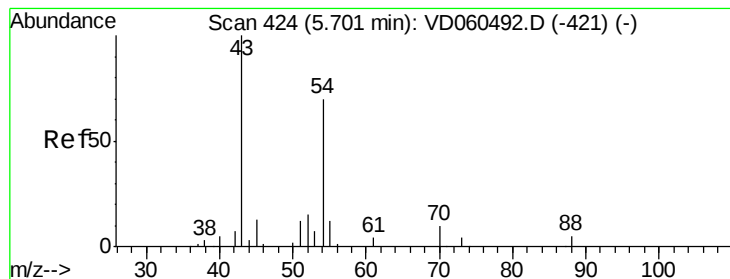
#36
 1,1-Dichloropropene
 Concen: 22.264 ug/l
 RT: 6.55 min Scan# 511
 Delta R.T. 0.02 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.3	54.8
77	30.2	24.6	37.0



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





#37

Ethyl Acetate

Concen: 21.490 ug/l

RT: 5.71 min Scan# 426

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBSD01

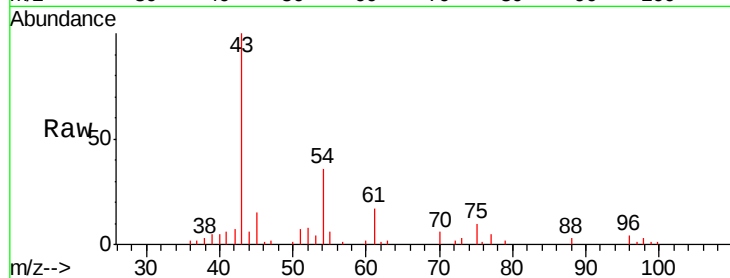
Tgt Ion: 43 Resp: 170487

Ion Ratio Lower Upper

43 100

61 16.6 12.4 18.6

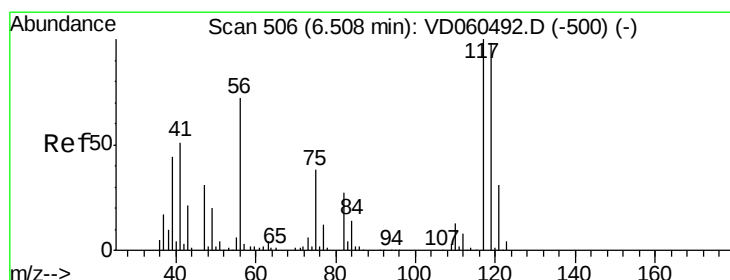
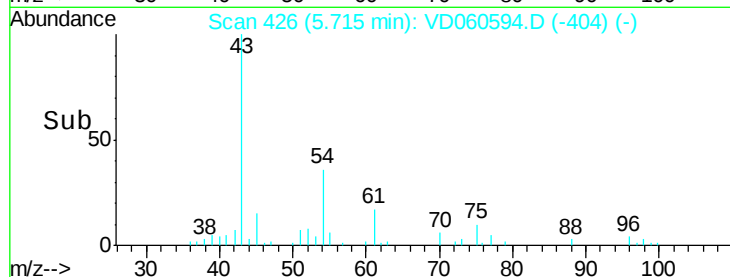
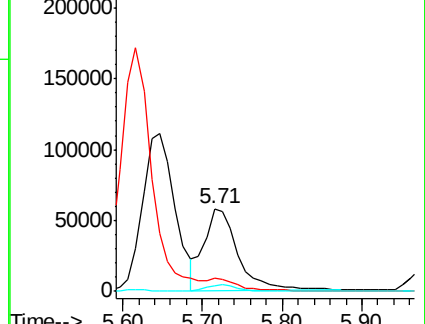
70 6.3 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 22.543 ug/l

RT: 6.52 min Scan# 508

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

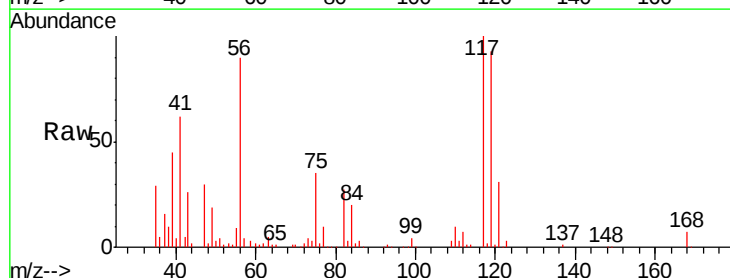
Tgt Ion: 117 Resp: 370204

Ion Ratio Lower Upper

117 100

119 93.4 76.8 115.2

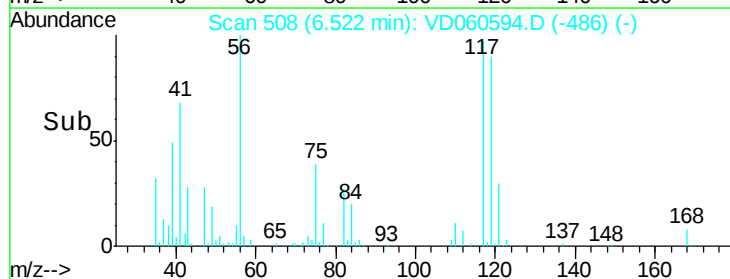
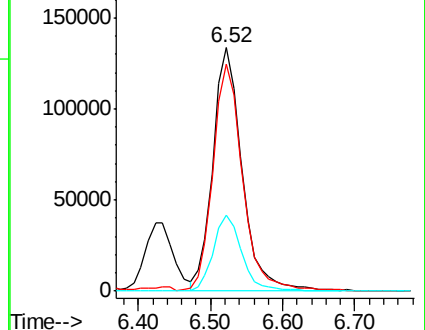
121 31.3 24.4 36.6

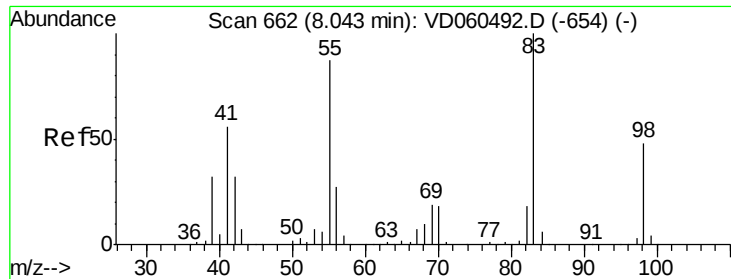


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

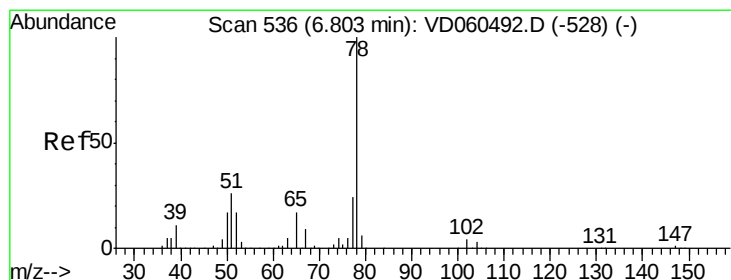
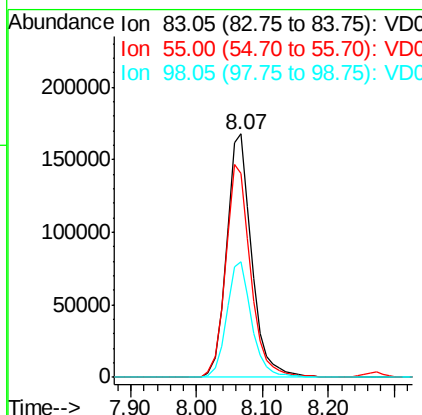
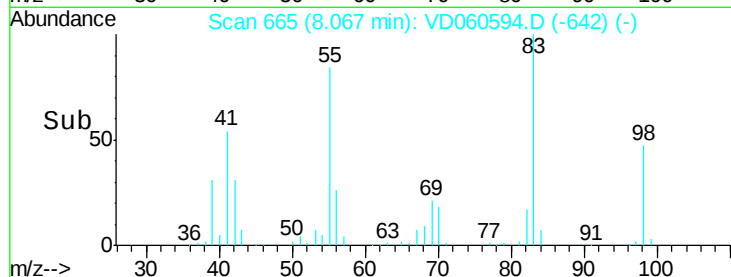
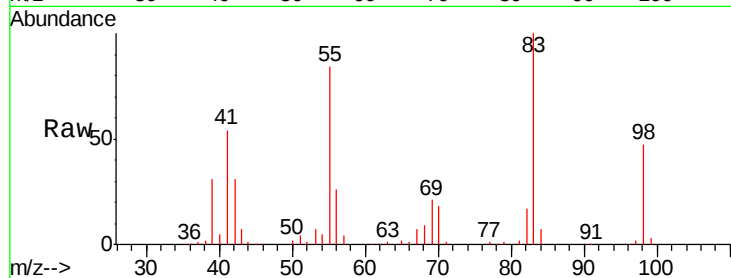




#39
Methylcyclohexane
Concen: 21.383 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

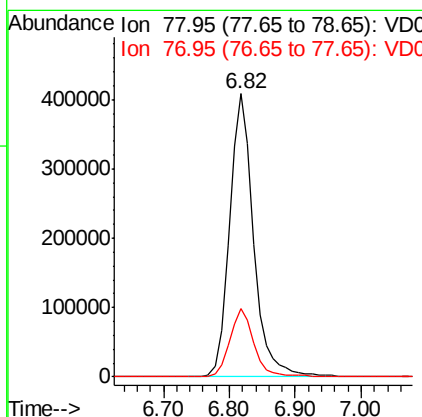
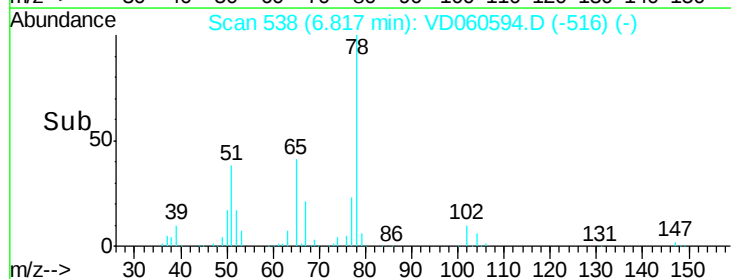
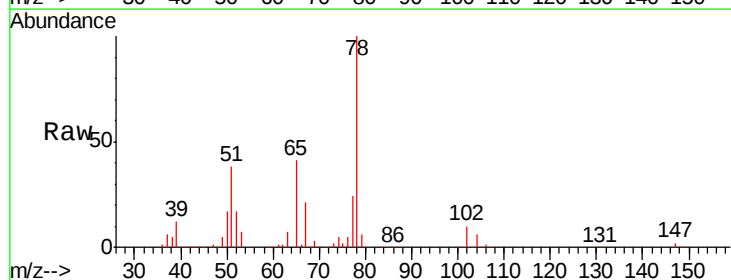
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

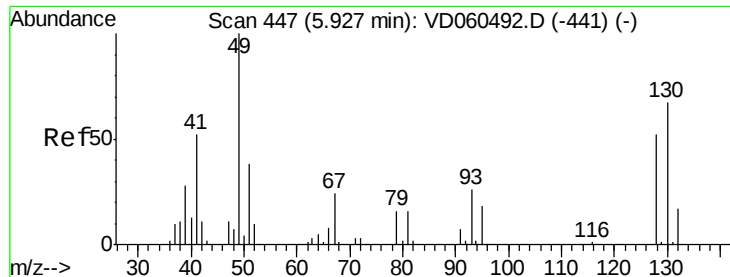
Tgt Ion: 83 Resp: 445914
Ion Ratio Lower Upper
83 100
55 83.6 69.8 104.8
98 47.3 38.4 57.6



#40
Benzene
Concen: 22.302 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 78 Resp: 1042632
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3

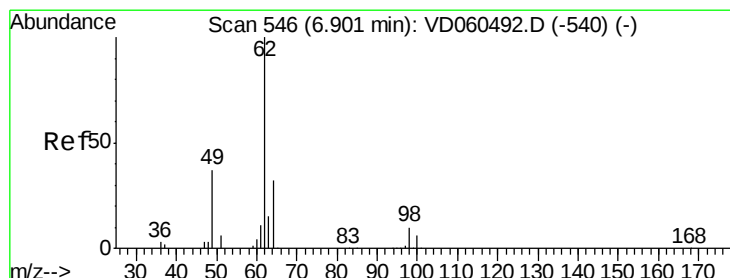
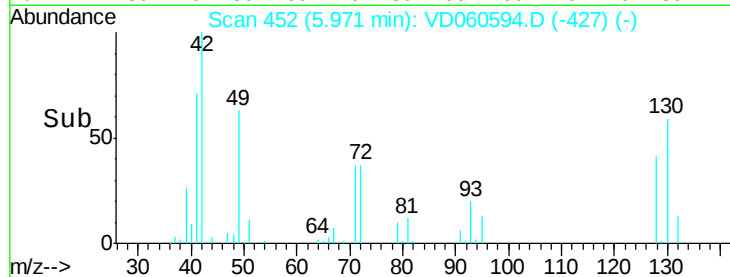
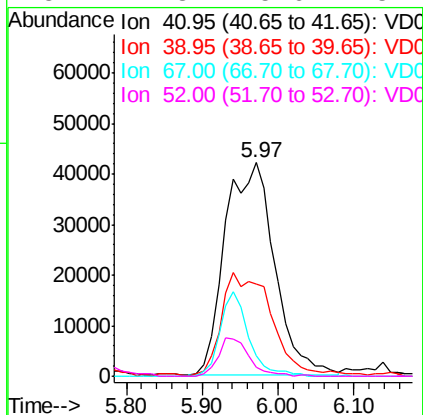
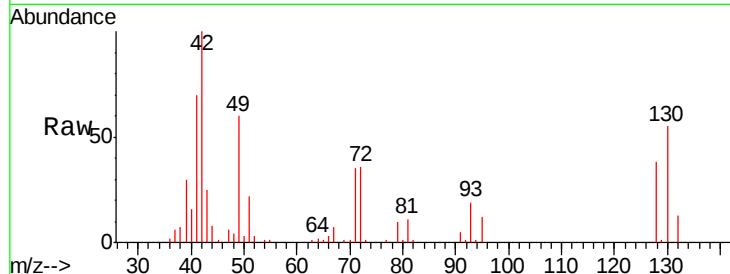




#41
Methacrylonitrile
Concen: 44.430 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.04 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

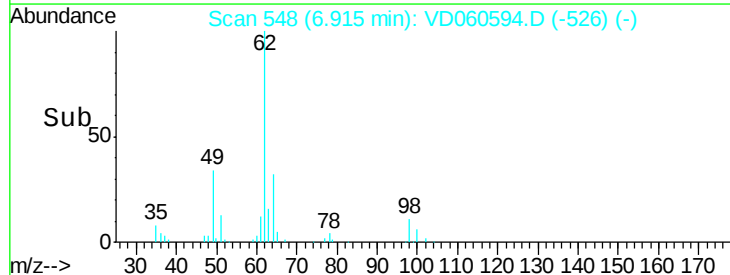
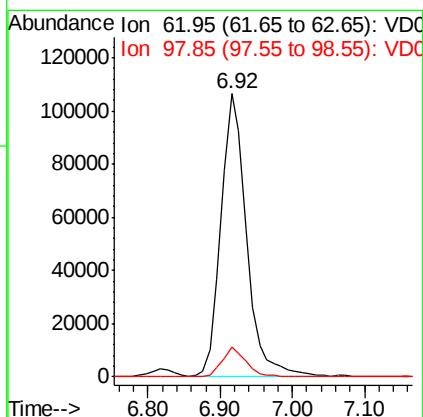
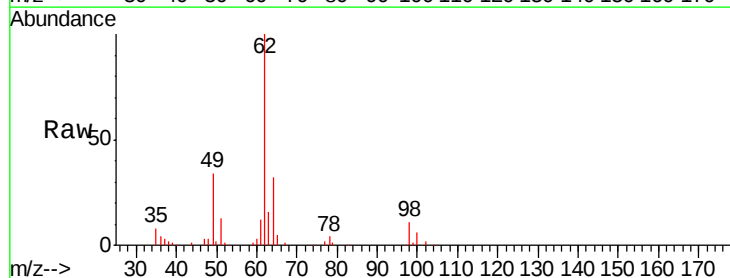
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

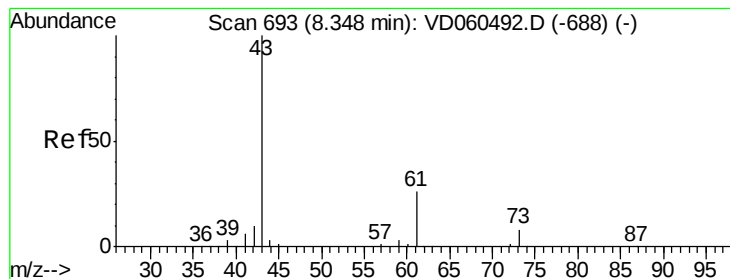
Tgt Ion: 41 Resp: 190008
Ion Ratio Lower Upper
41 100
39 43.2 42.6 63.8
67 9.6 36.2 54.4#
52 4.3 15.6 23.4#



#42
1,2-Dichloroethane
Concen: 21.865 ug/l
RT: 6.92 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 62 Resp: 259909
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.373 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.02 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

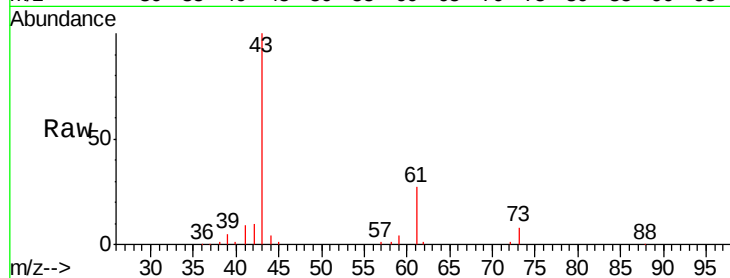
Tgt Ion: 43 Resp: 199515

Ion Ratio Lower Upper

43 100

61 26.6 21.0 31.4

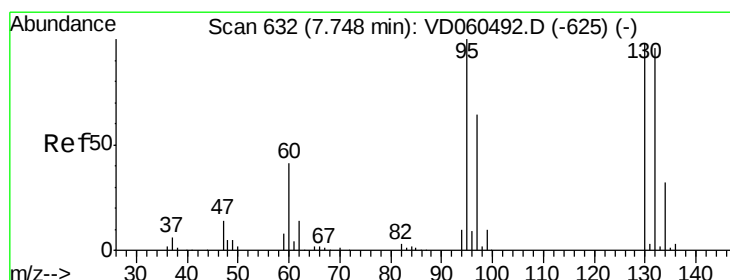
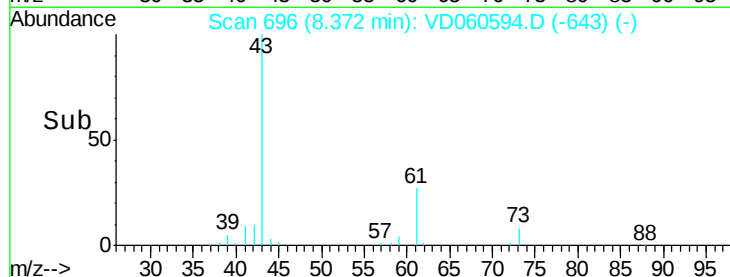
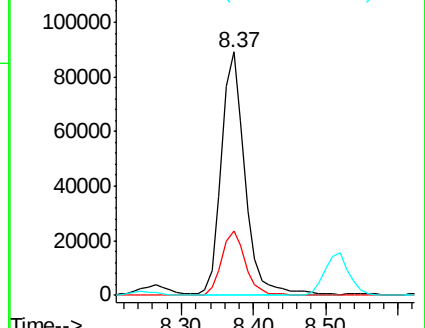
87 0.0 0.2 0.2#



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: 22.610 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060594.D

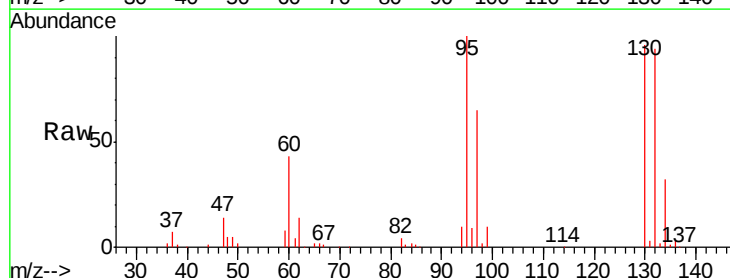
Acq: 17 Dec 2018 12:44

Tgt Ion:130 Resp: 315900

Ion Ratio Lower Upper

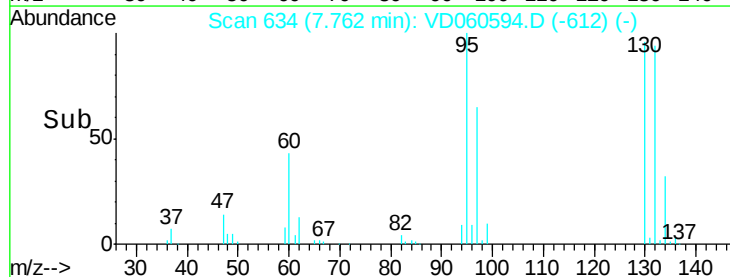
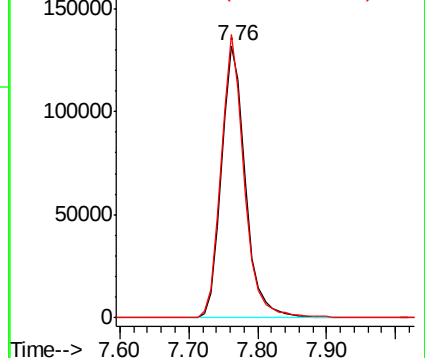
130 100

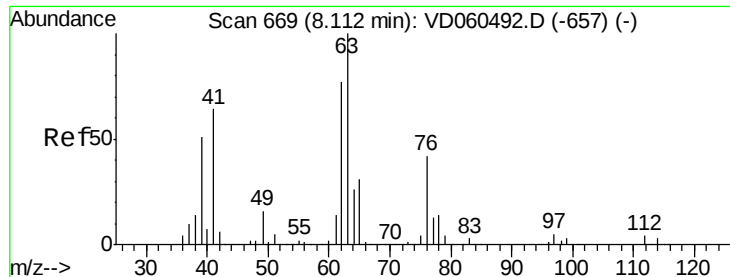
95 104.0 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

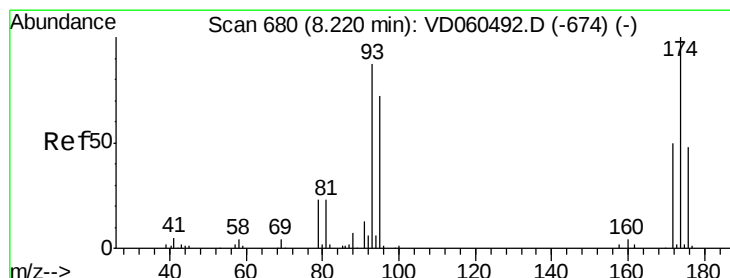
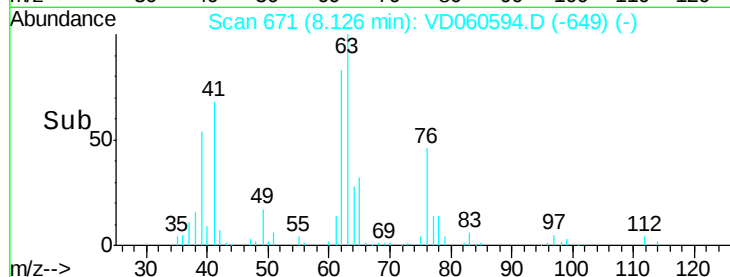
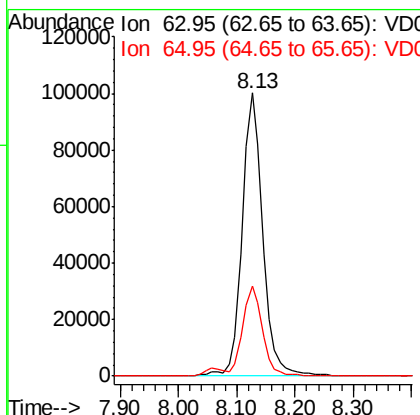
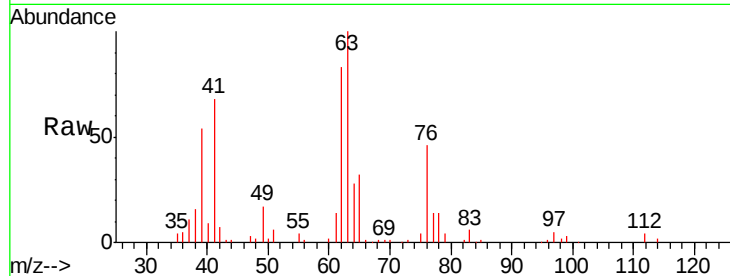




#45
 1,2-Dichloropropane
 Concen: 21.320 ug/l
 RT: 8.13 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

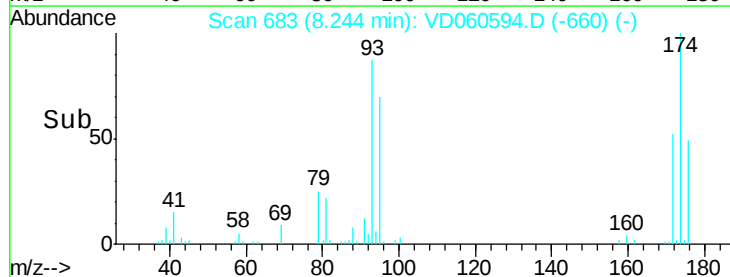
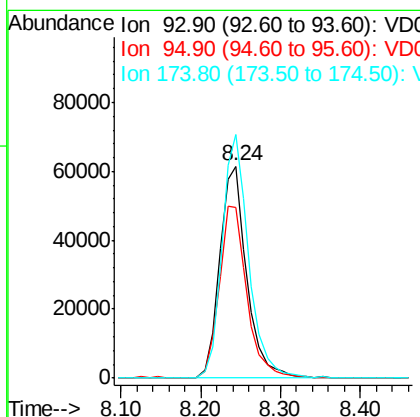
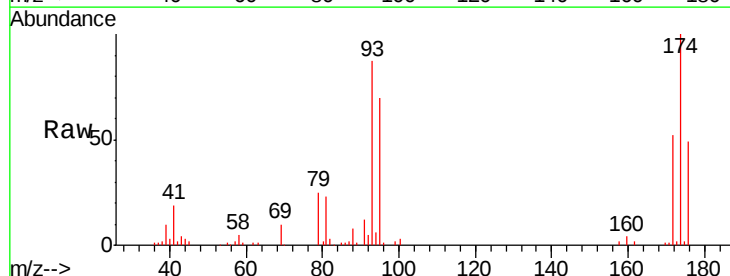
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

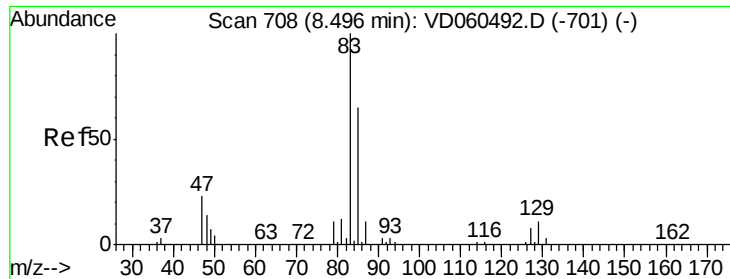
Tgt Ion: 63 Resp: 246518
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.6 37.0



#46
 Dibromomethane
 Concen: 21.965 ug/l
 RT: 8.24 min Scan# 683
 Delta R.T. 0.02 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion: 93 Resp: 146737
 Ion Ratio Lower Upper
 93 100
 95 80.8 65.6 98.4
 174 114.9 91.7 137.5





#47

Bromodichloromethane

Concen: 21.927 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

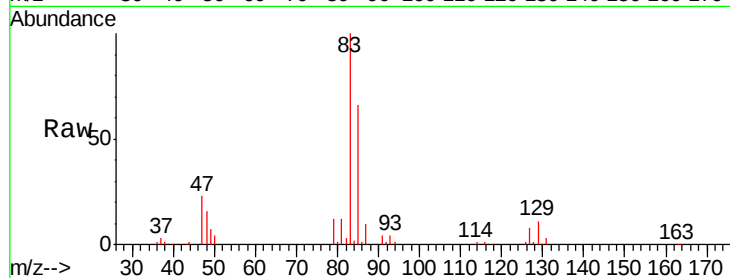
Tgt Ion: 83 Resp: 347569

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.4

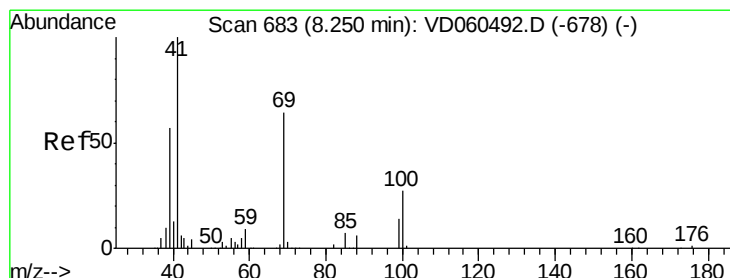
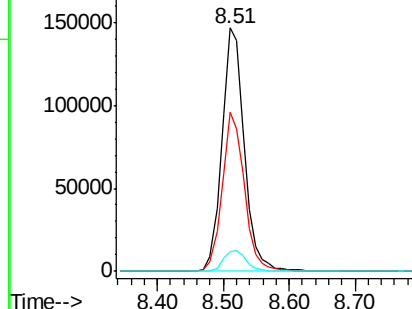
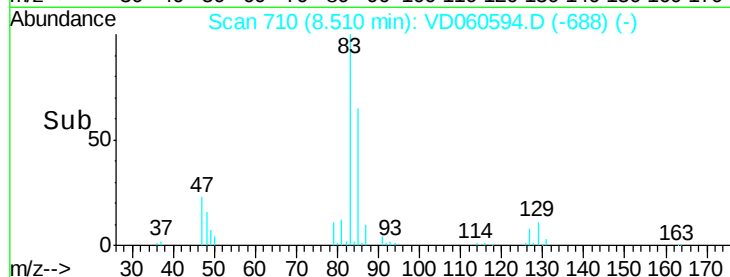
127 8.0 6.7 10.1



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: 22.335 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

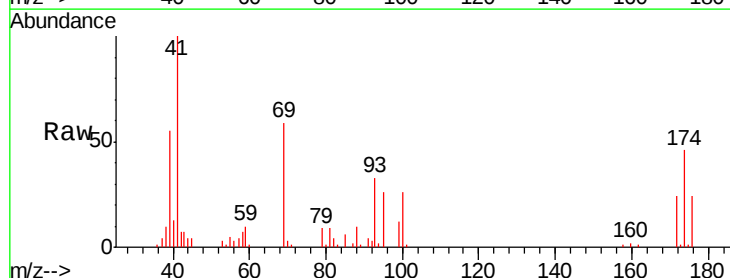
Tgt Ion: 41 Resp: 129423

Ion Ratio Lower Upper

41 100

69 59.5 50.2 75.4

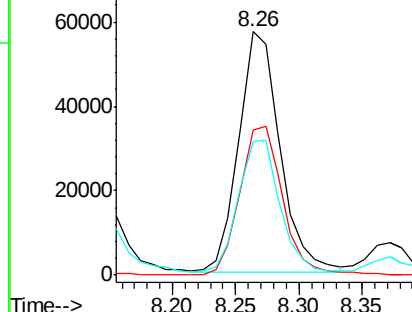
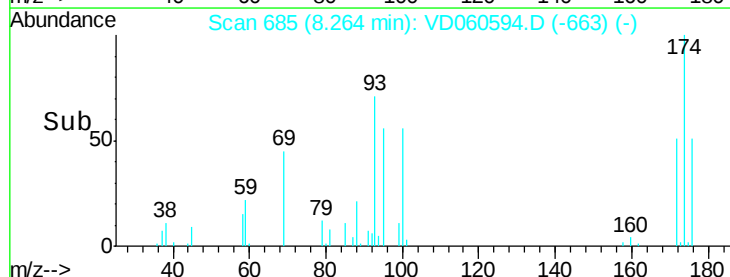
39 55.0 46.1 69.1

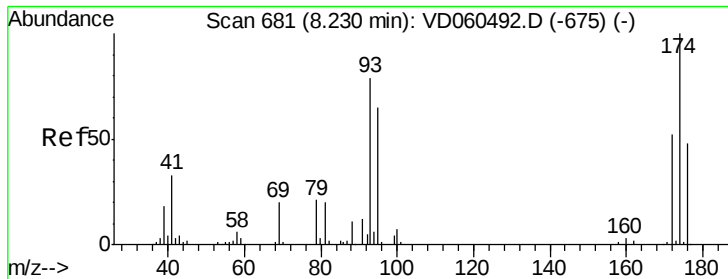


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

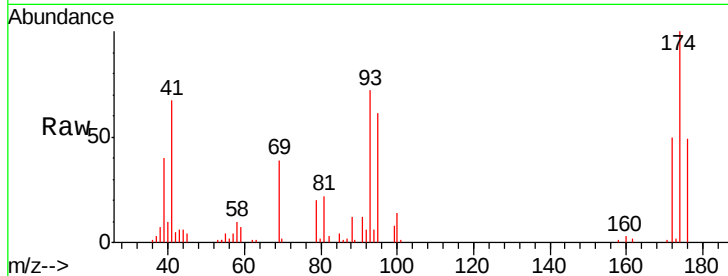




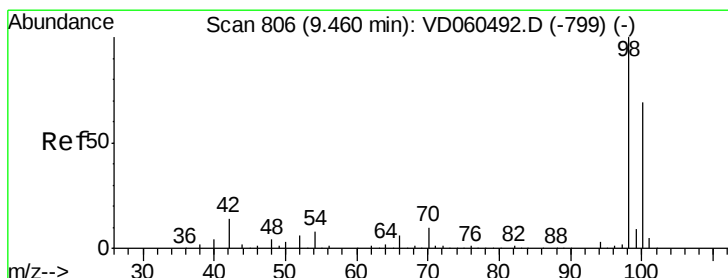
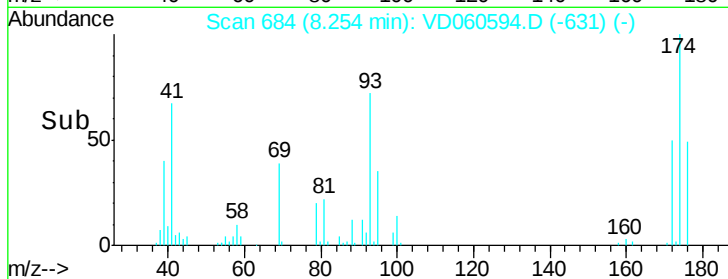
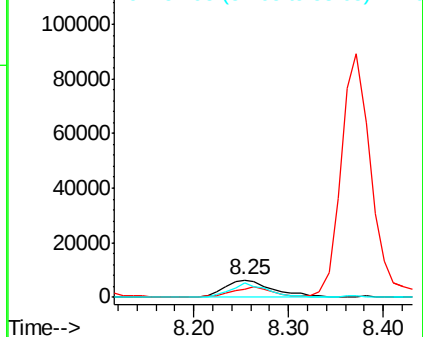
#49
1,4-Dioxane
Concen: 434.064 ug/l
RT: 8.25 min Scan# 684
Delta R.T. 0.02 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion: 88 Resp: 22796
Ion Ratio Lower Upper
88 100
43 47.4 32.9 49.3
58 82.2 47.7 71.5#

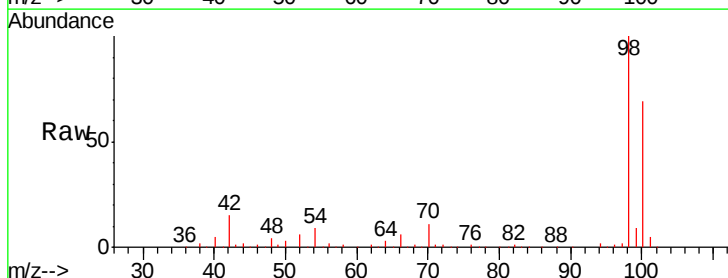


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

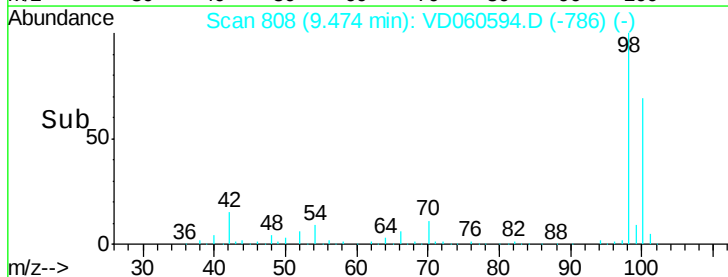
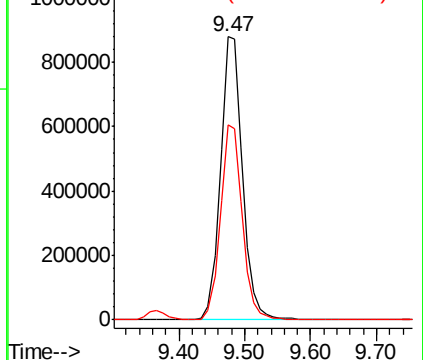


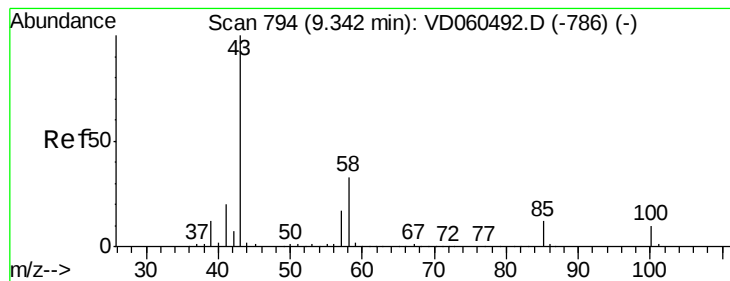
#50
Toluene-d8
Concen: 434.064 ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 98 Resp: 2045248
Ion Ratio Lower Upper
98 100
100 69.1 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: 106.369 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.02 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

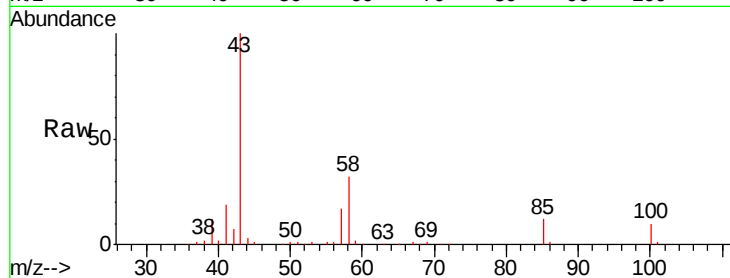
VD1217SBS01

Tgt Ion: 43 Resp: 647972

Ion Ratio Lower Upper

43 100

58 32.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.37

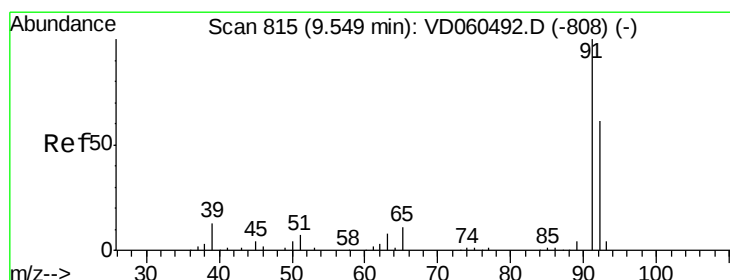
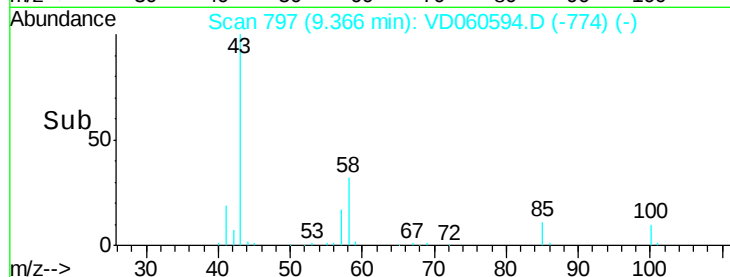
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 22.089 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.02 min

Lab File: VD060594.D

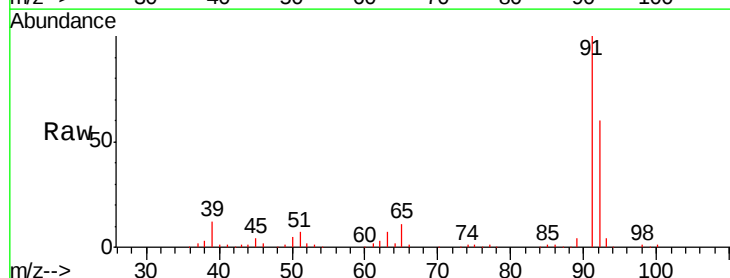
Acq: 17 Dec 2018 12:44

Tgt Ion: 92 Resp: 645445

Ion Ratio Lower Upper

92 100

91 166.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.57

600000

500000

400000

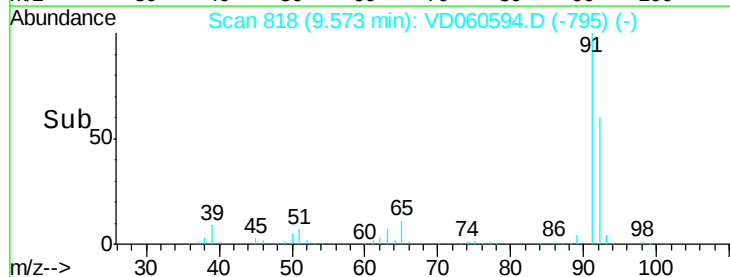
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.884 ug/l

RT: 9.94 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

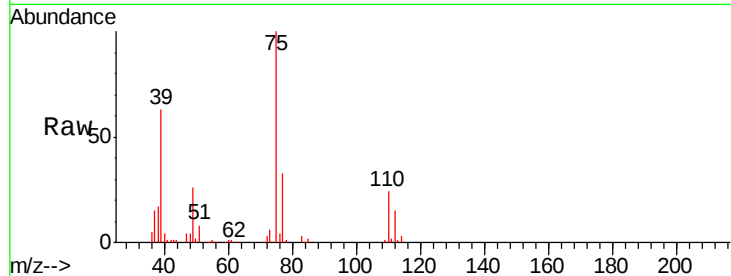
VD1217SBS01

Tgt Ion: 75 Resp: 285037

Ion Ratio Lower Upper

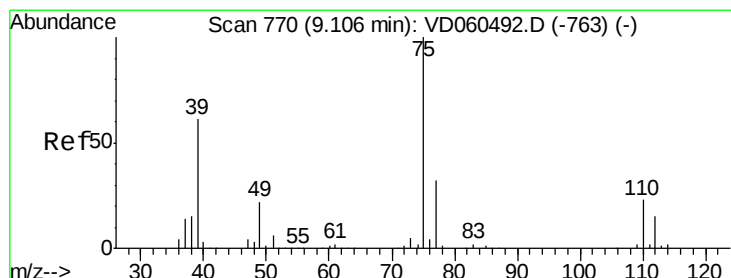
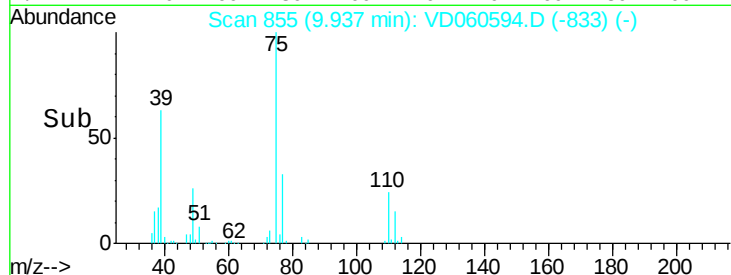
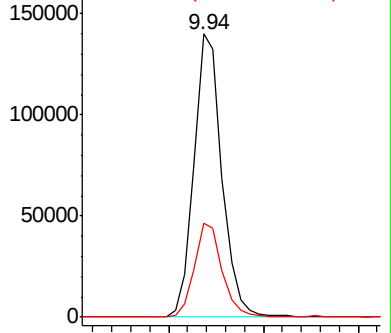
75 100

77 33.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.365 ug/l

RT: 9.13 min Scan# 773

Delta R.T. 0.02 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

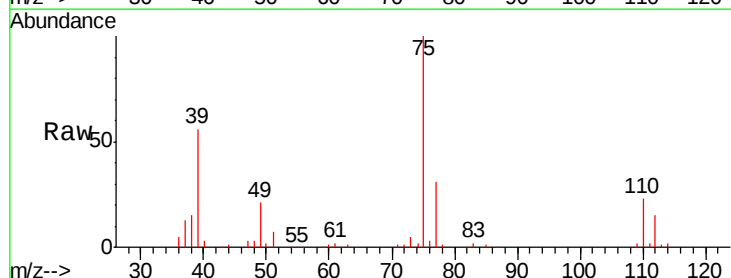
Tgt Ion: 75 Resp: 382721

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

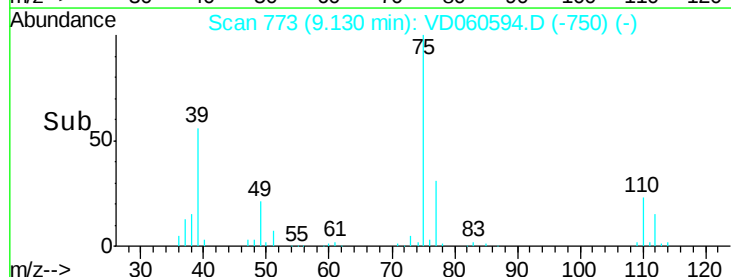
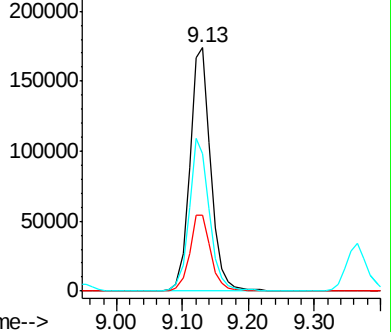
39 56.5 48.6 73.0

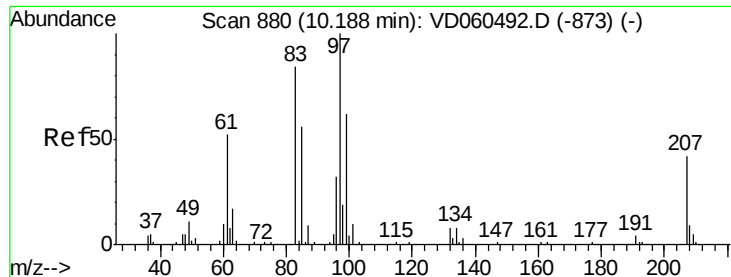


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

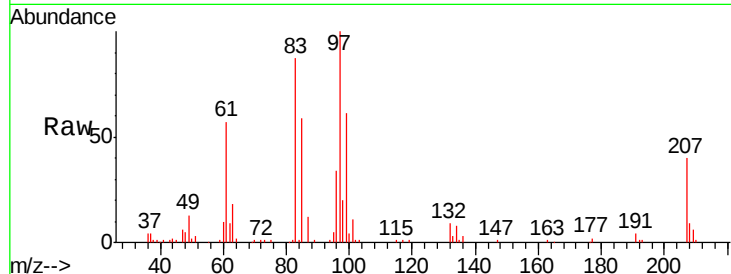




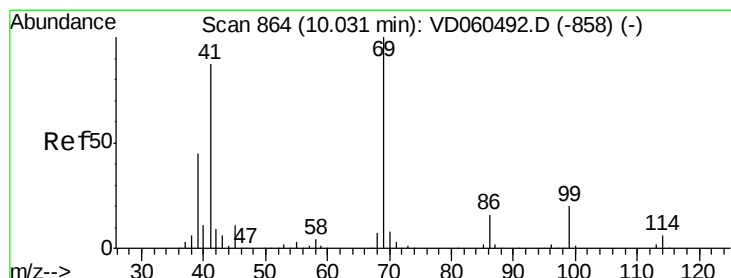
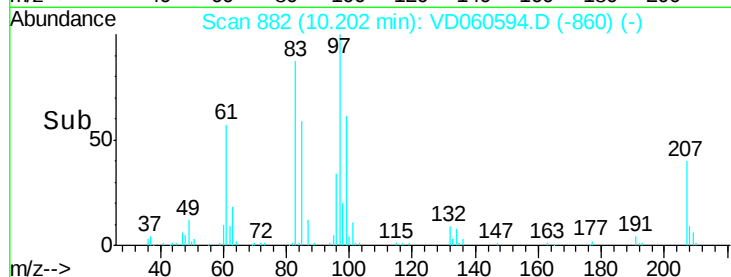
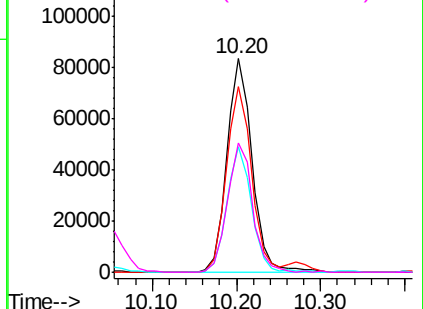
#55
 1,1,2-Trichloroethane
 Concen: 21.266 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

Tgt Ion: 97 Resp: 173046
 Ion Ratio Lower Upper
 97 100
 83 87.0 67.2 100.8
 85 58.5 44.5 66.7
 99 60.6 49.3 73.9

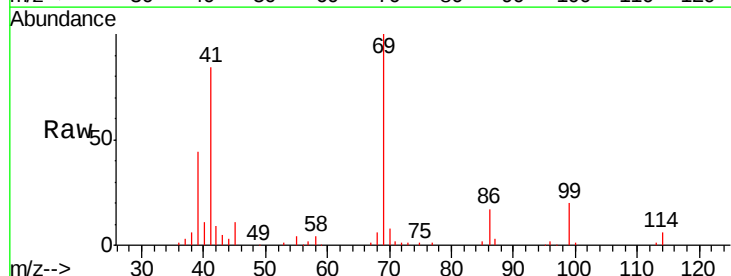


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

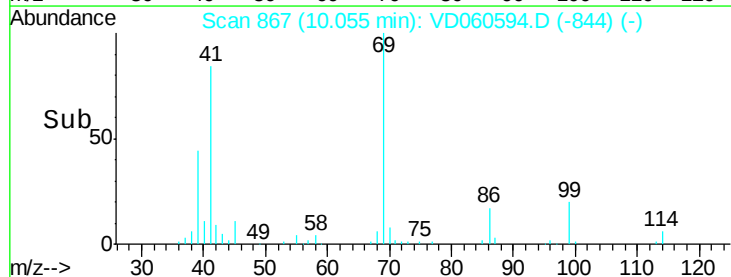
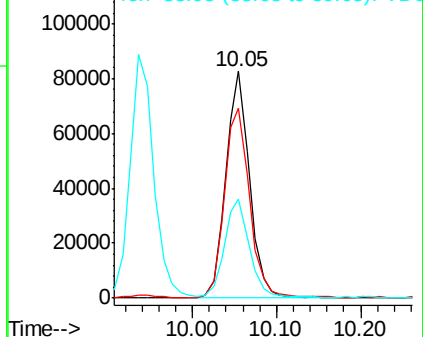


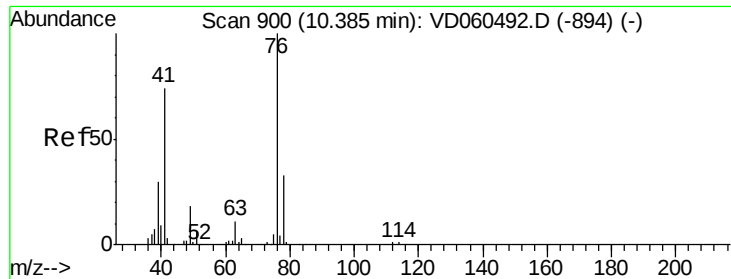
#56
 Ethyl methacrylate
 Concen: 21.731 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.02 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion: 69 Resp: 160034
 Ion Ratio Lower Upper
 69 100
 41 84.1 69.8 104.8
 39 43.8 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: 21.746 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

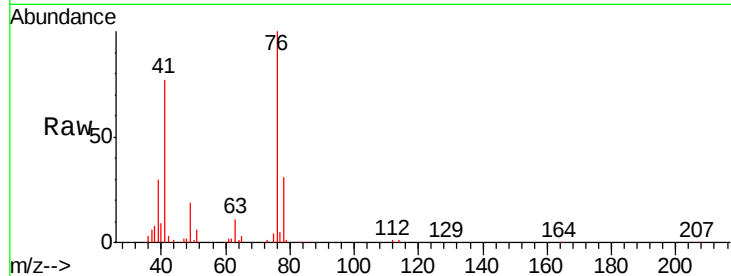
VD1217SBSD01

Tgt Ion: 76 Resp: 273546

Ion Ratio Lower Upper

76 100

78 31.3 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) (-)

10.40

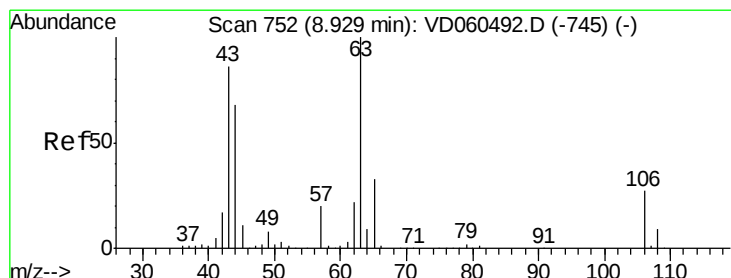
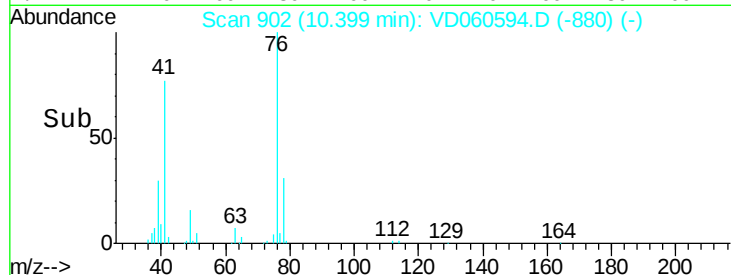
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 116.120 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060594.D

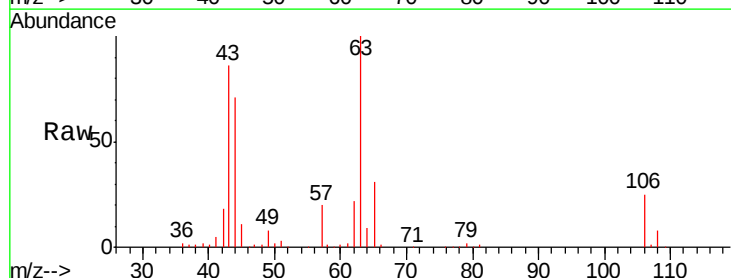
Acq: 17 Dec 2018 12:44

Tgt Ion: 63 Resp: 511683

Ion Ratio Lower Upper

63 100

106 24.8 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) (-)

8.94

250000

200000

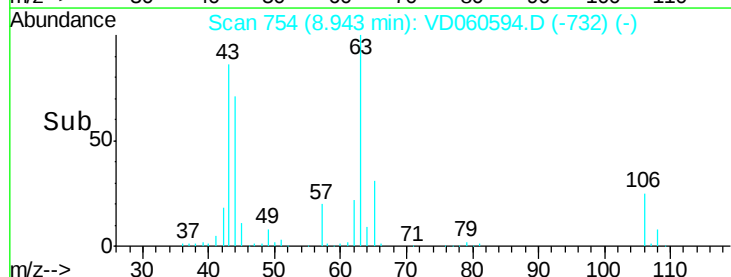
150000

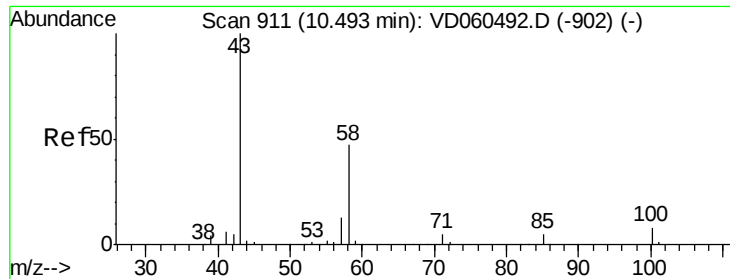
100000

50000

0

Time-->

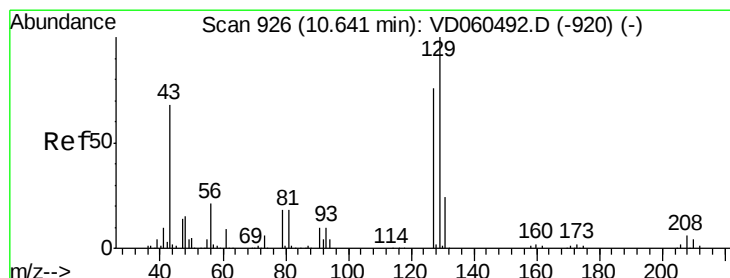
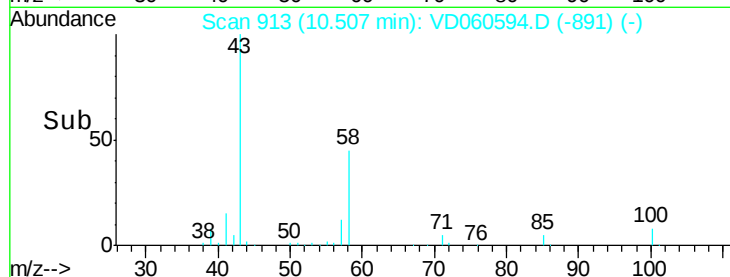
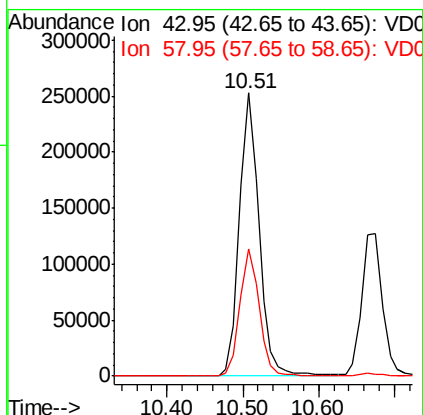
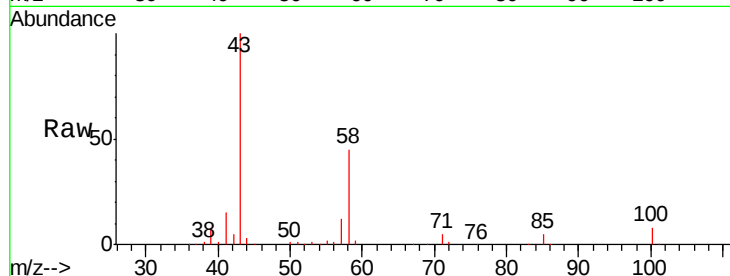




#59
2-Hexanone
Concen: 106.616 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

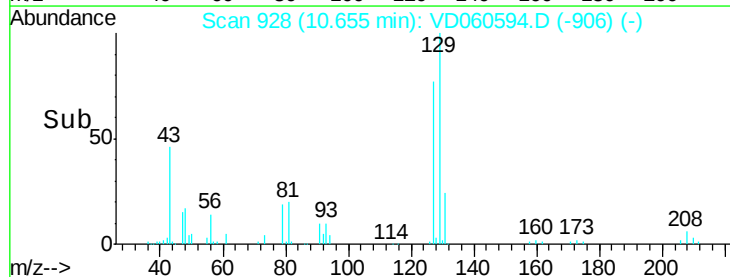
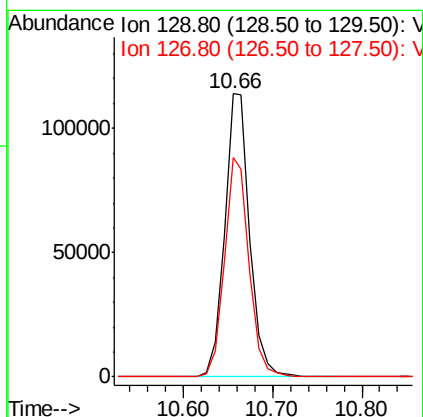
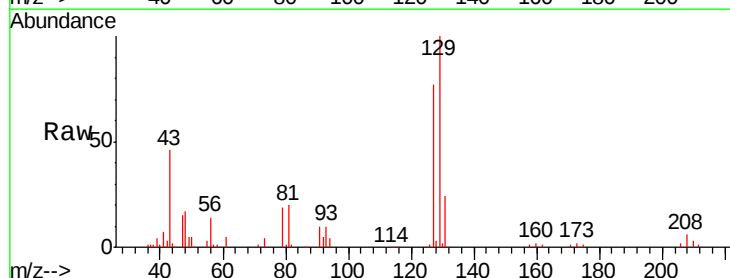
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

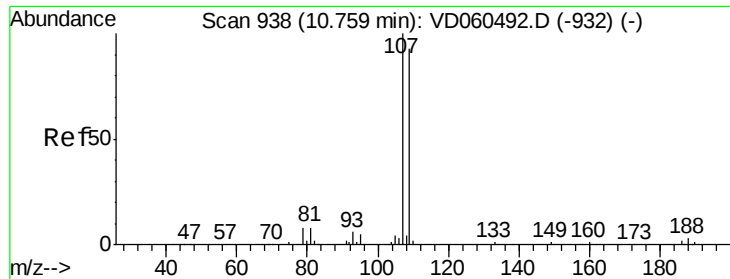
Tgt Ion: 43 Resp: 453969
Ion Ratio Lower Upper
43 100
58 44.9 23.4 70.2



#60
Dibromochloromethane
Concen: 22.032 ug/l
RT: 10.66 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 129 Resp: 224153
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 22.011 ug/l

RT: 10.78 min Scan# 941

Delta R.T. 0.02 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

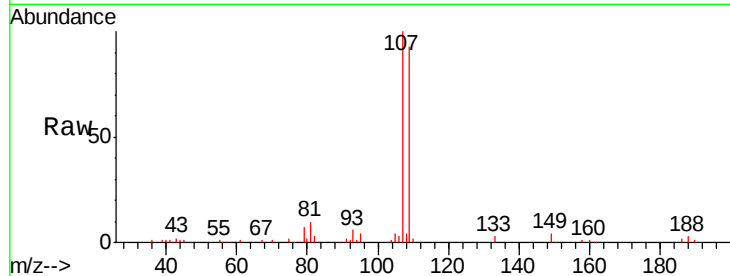
VD1217SBSD01

Tgt Ion: 107 Resp: 182529

Ion Ratio Lower Upper

107 100

109 93.4 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.78

80000

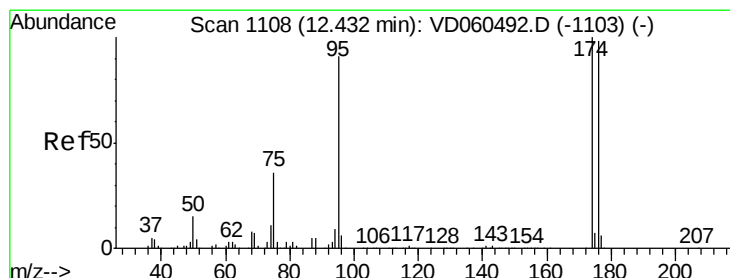
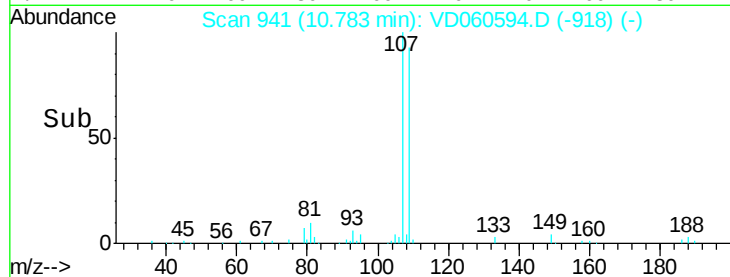
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 22.011 ug/l

RT: 12.45 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

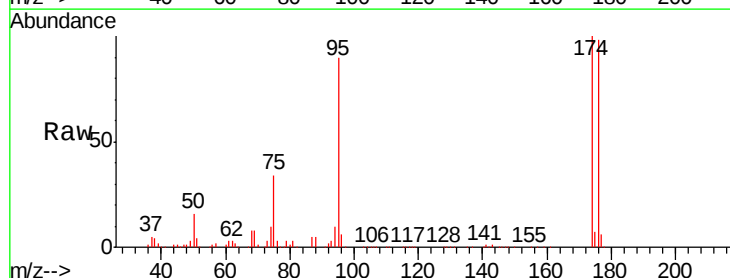
Tgt Ion: 95 Resp: 725171

Ion Ratio Lower Upper

95 100

174 110.9 0.0 219.4

176 108.9 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

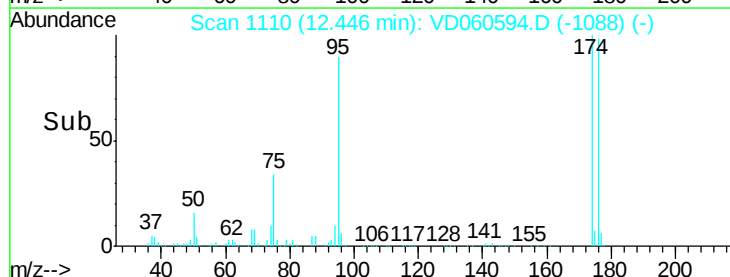
600000

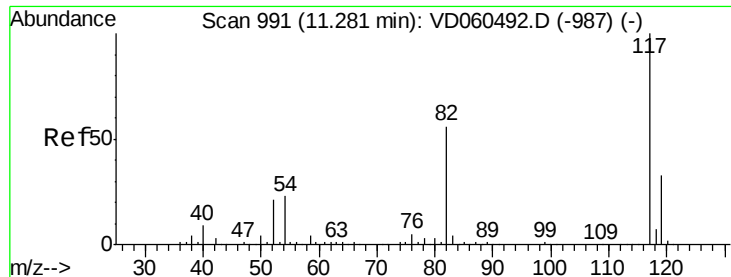
400000

200000

0

Time-->

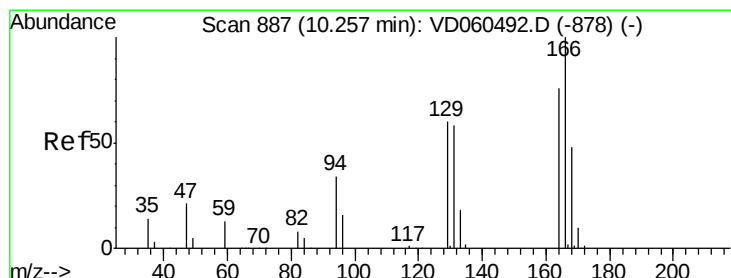
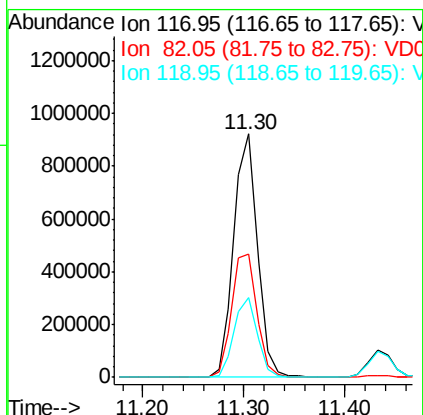
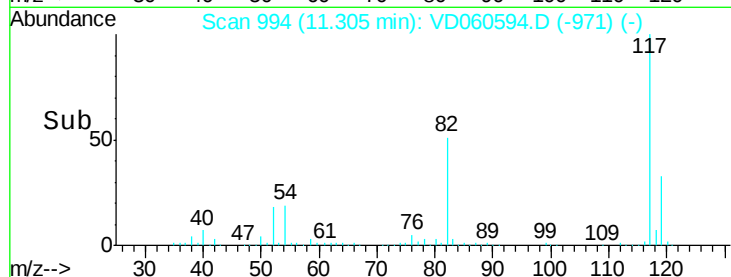
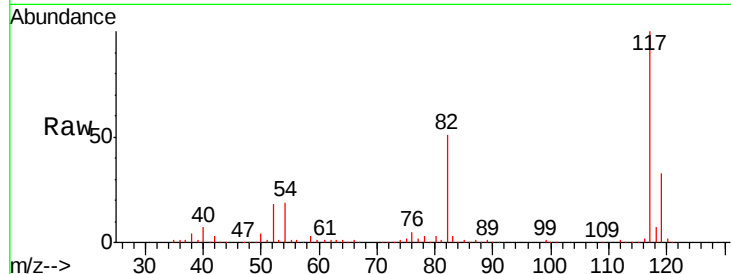




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.02 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

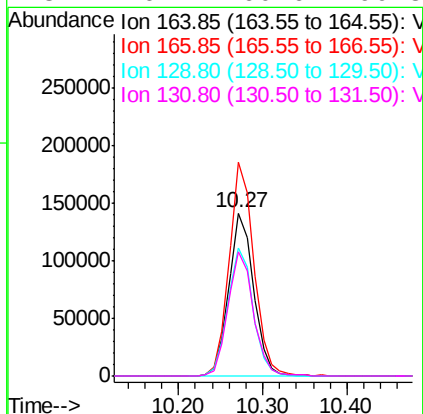
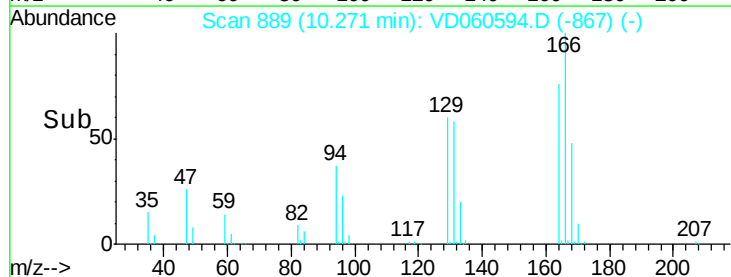
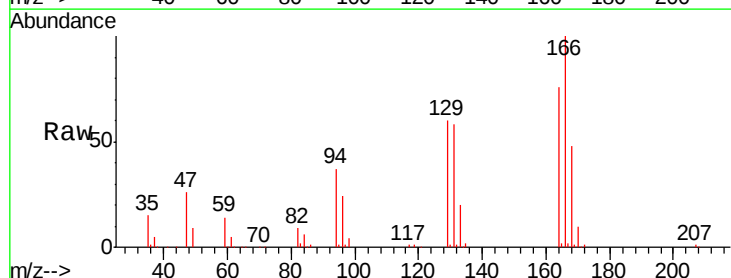
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

Tgt Ion:117 Resp: 1509291
Ion Ratio Lower Upper
117 100
82 50.8 45.2 67.8
119 32.8 26.1 39.1



#64
Tetrachloroethene
Concen: 21.749 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion:164 Resp: 290669
Ion Ratio Lower Upper
164 100
166 131.0 105.0 157.6
129 78.3 63.0 94.4
131 76.2 60.6 90.8

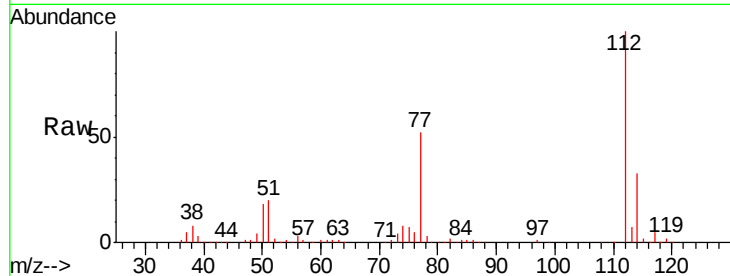




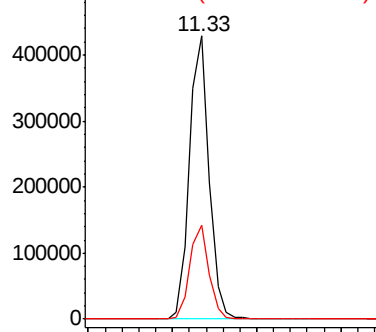
#65
Chlorobenzene
Concen: 21.792 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.02 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

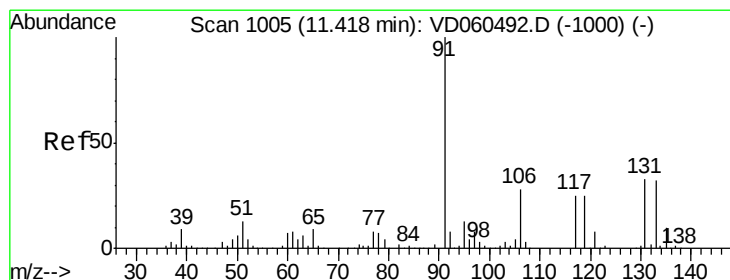
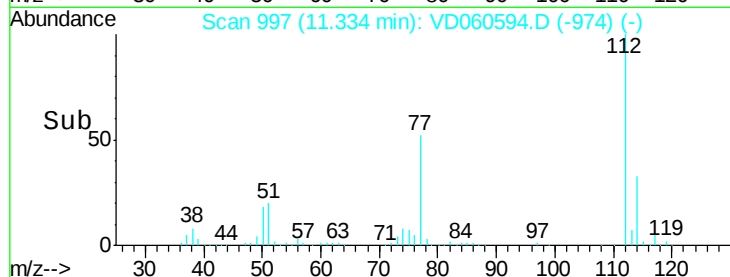
Tgt Ion:112 Resp: 695826
Ion Ratio Lower Upper
112 100
114 33.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

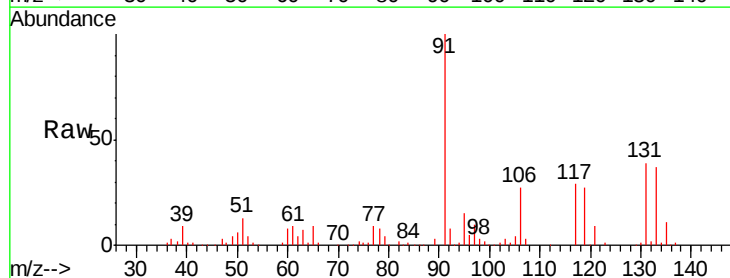


Time--> 11.20 11.30 11.40 11.50

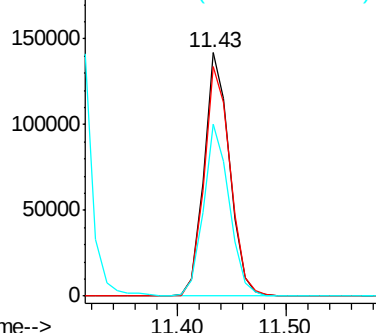


#66
1,1,1,2-Tetrachloroethane
Concen: 22.562 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

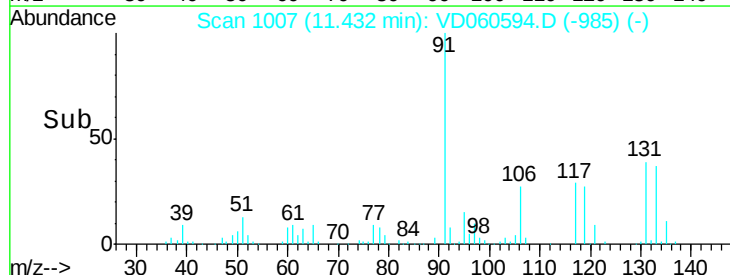
Tgt Ion:131 Resp: 232202
Ion Ratio Lower Upper
131 100
133 94.5 49.1 147.3
119 70.8 37.5 112.3

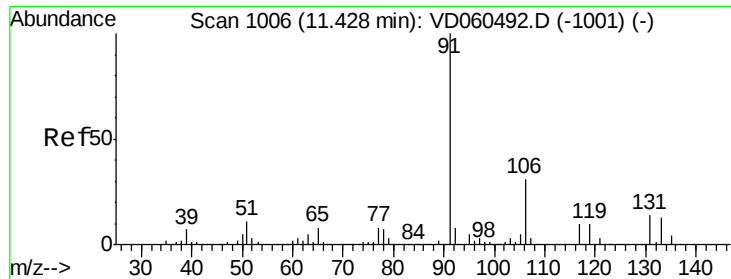


Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V



Time--> 11.40 11.50

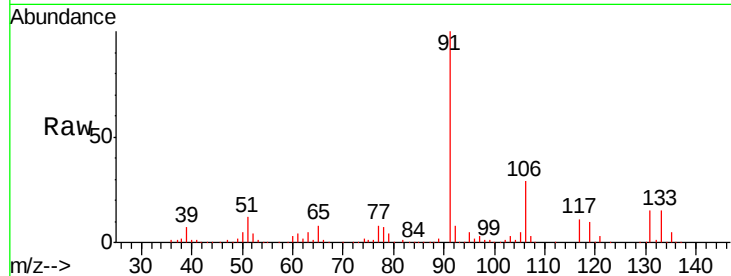




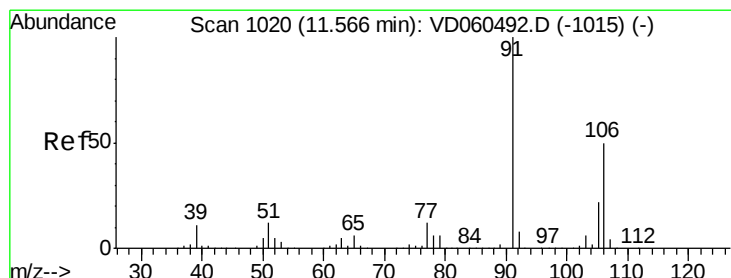
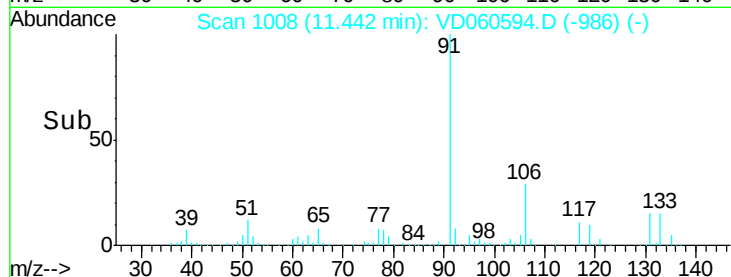
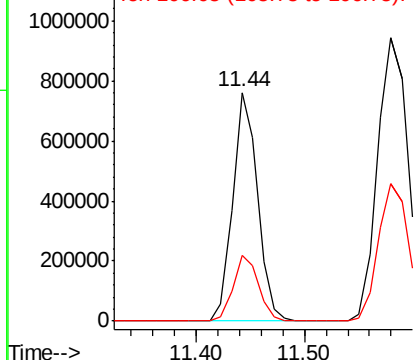
#67
Ethyl Benzene
Concen: 22.313 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

Tgt Ion: 91 Resp: 1215225
Ion Ratio Lower Upper
91 100
106 28.5 24.6 37.0

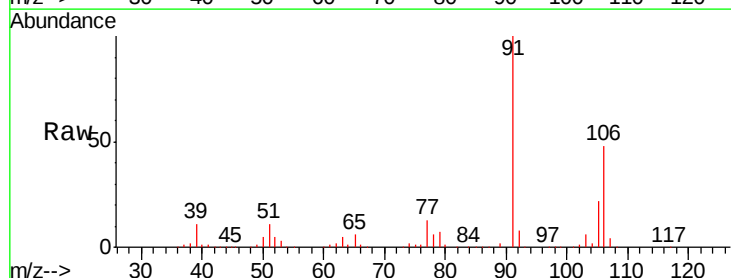


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

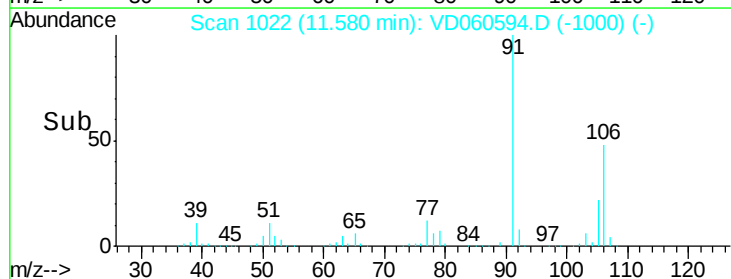
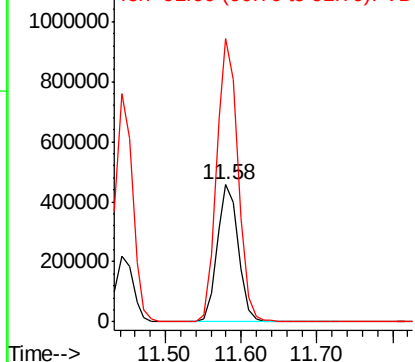


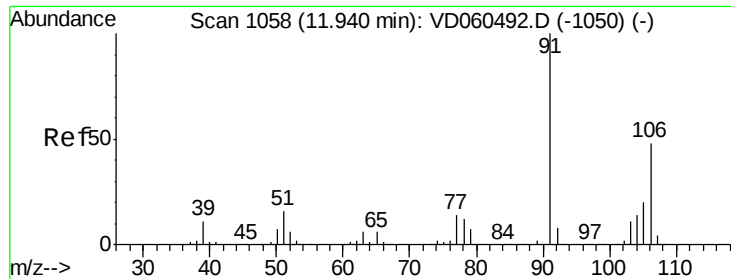
#68
m/p-Xylenes
Concen: 44.306 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 106 Resp: 892717
Ion Ratio Lower Upper
106 100
91 206.3 160.5 240.7



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

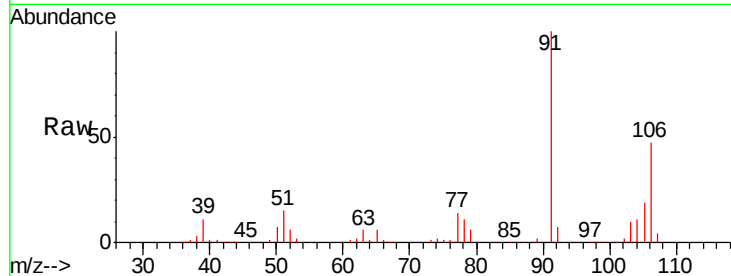




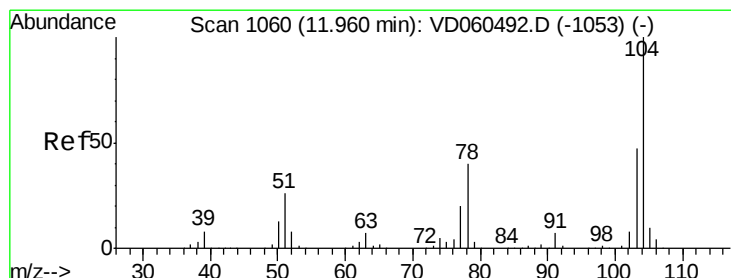
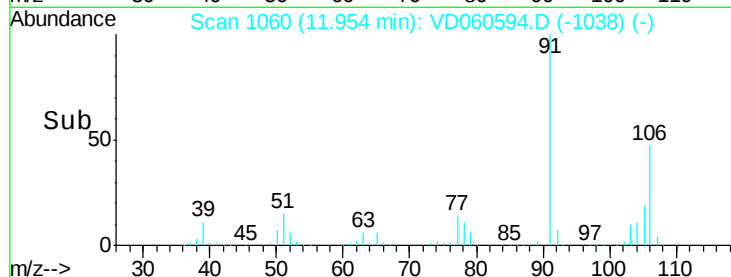
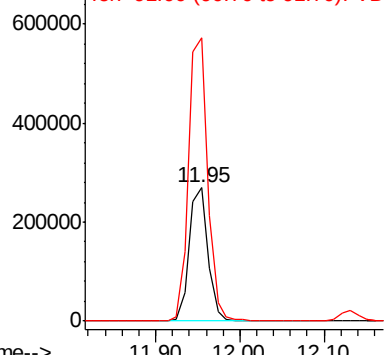
#69
o-Xylene
Concen: 21.887 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion:106 Resp: 420265
Ion Ratio Lower Upper
106 100
91 212.7 103.4 310.1

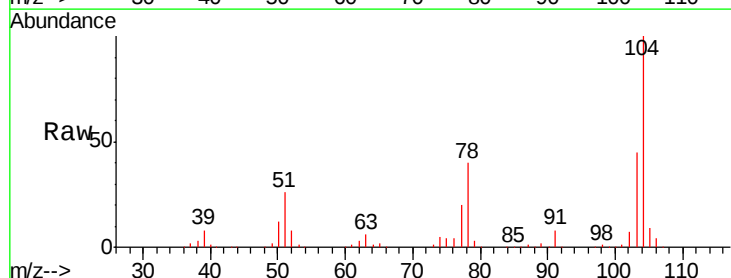


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

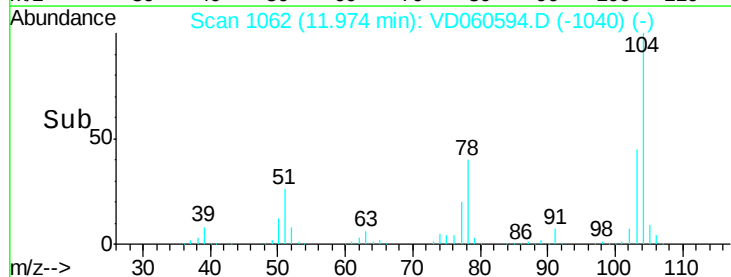
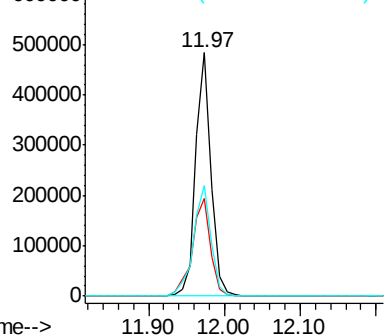


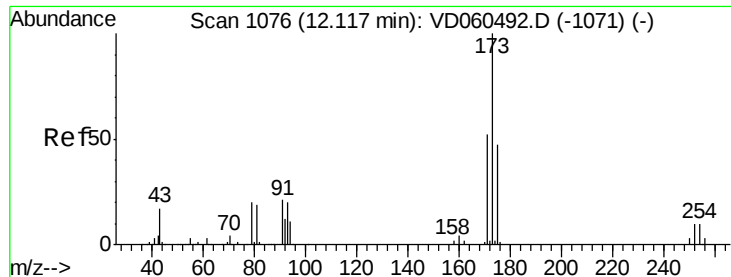
#70
Styrene
Concen: 22.110 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion:104 Resp: 681455
Ion Ratio Lower Upper
104 100
78 40.3 32.1 48.1
103 45.3 37.2 55.8



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





#71

Bromoform

Concen: 21.372 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

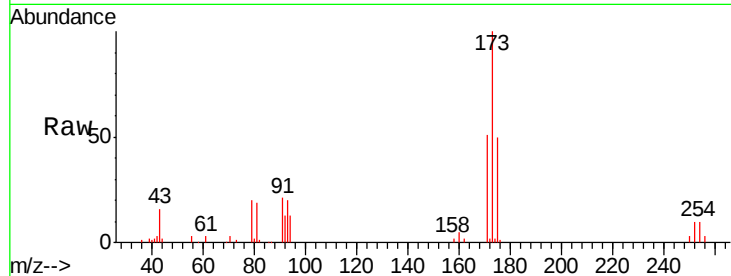
Tgt Ion:173 Resp: 146743

Ion Ratio Lower Upper

173 100

175 49.7 23.5 70.6

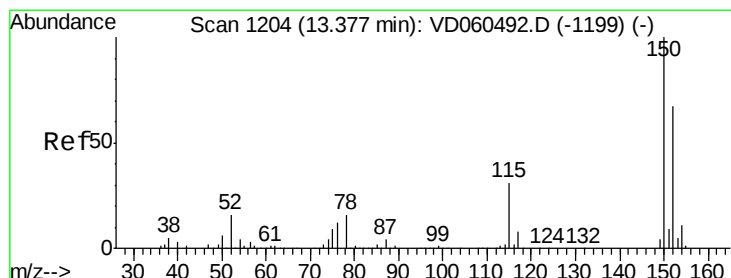
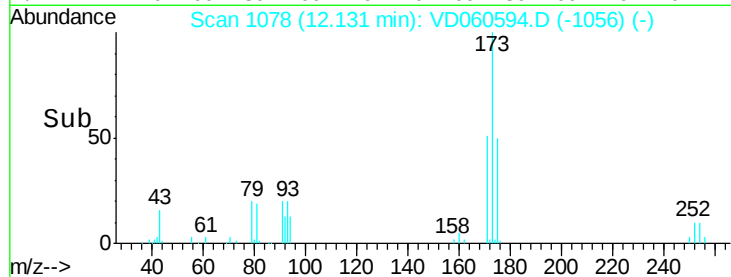
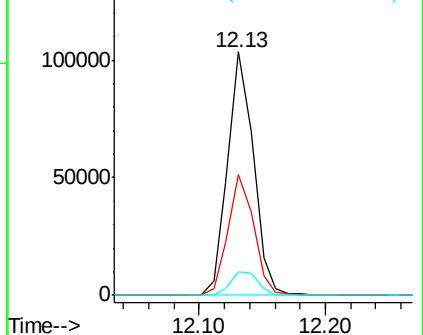
254 9.7 7.8 11.8



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: 13.39 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

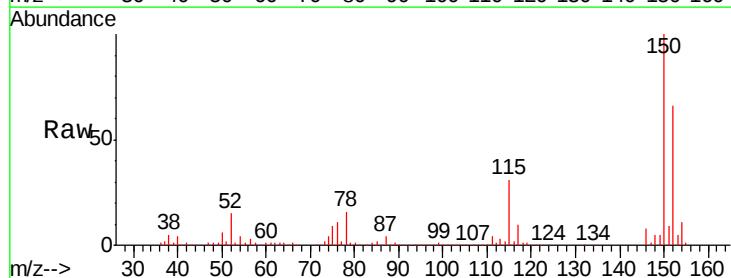
Tgt Ion:152 Resp: 810580

Ion Ratio Lower Upper

152 100

115 46.5 24.6 74.0

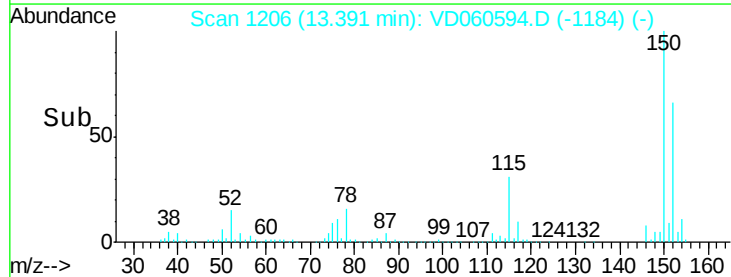
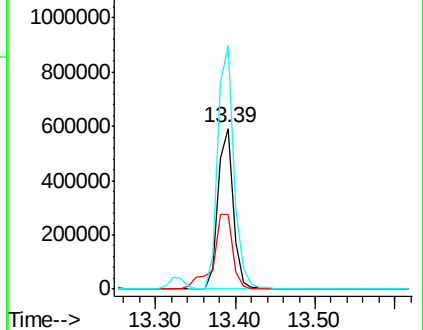
150 151.2 0.0 309.0

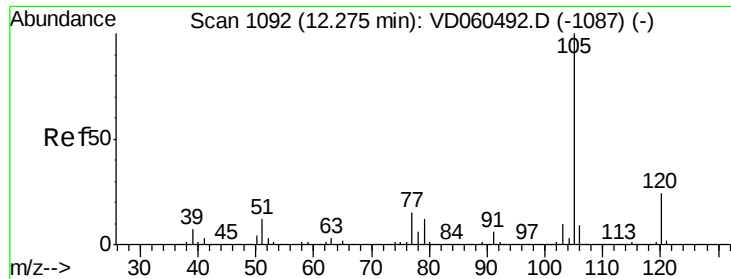


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.743 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

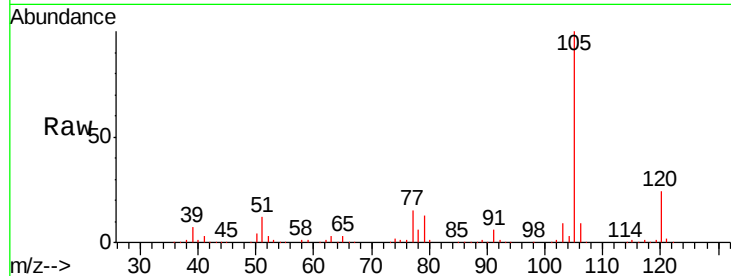
VD1217SBSD01

Tgt Ion:105 Resp: 1189803

Ion Ratio Lower Upper

105 100

120 23.6 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

400000

200000

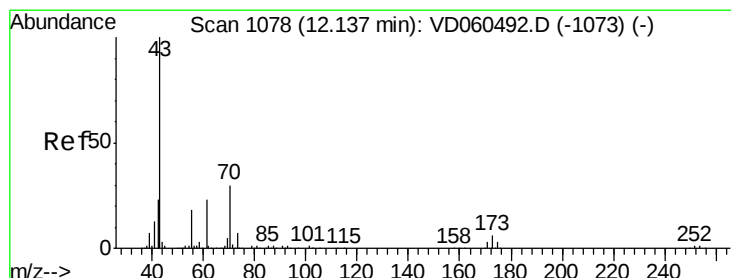
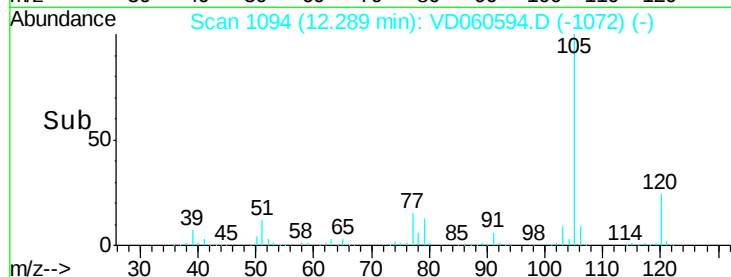
0

12.29

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 19.951 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Tgt Ion: 43 Resp: 276576

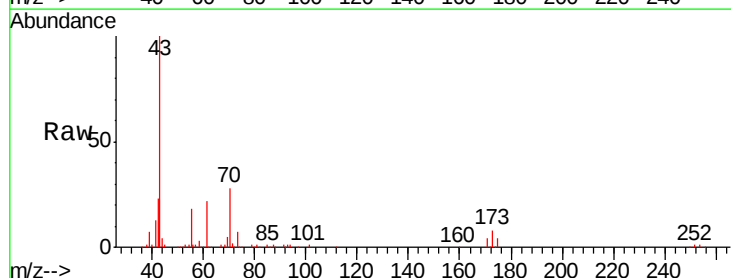
Ion Ratio Lower Upper

43 100

70 28.3 23.8 35.8

55 17.6 14.2 21.2

61 22.1 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

250000

200000

150000

100000

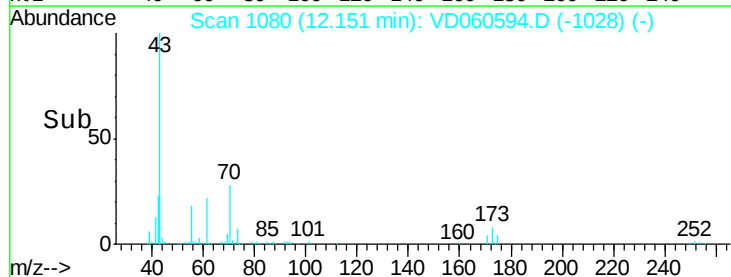
50000

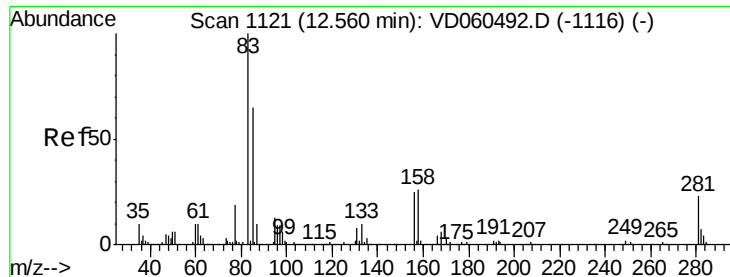
0

12.15

12.20

Time-->

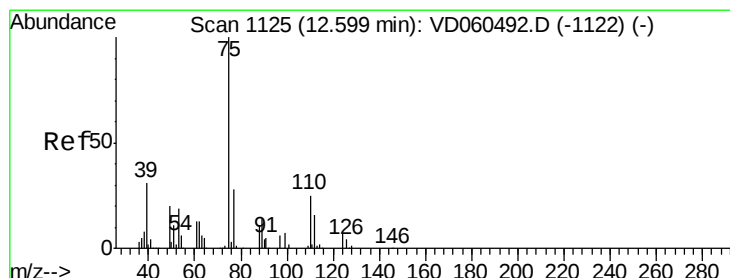
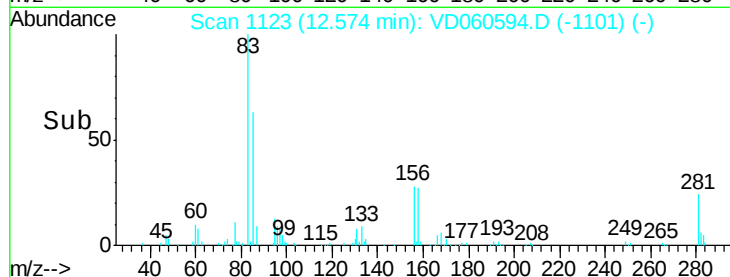
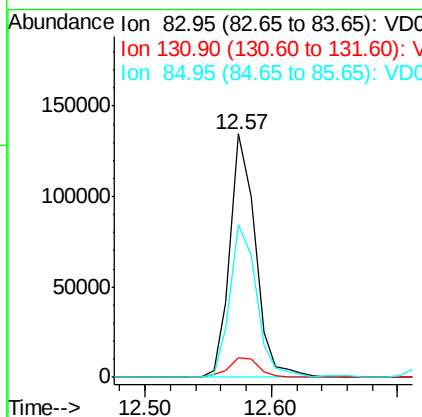
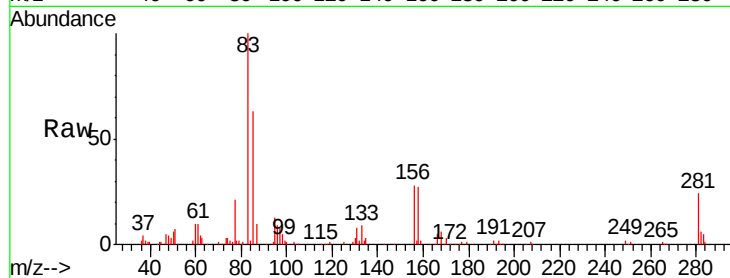




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.467 ug/l
 RT: 12.57 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

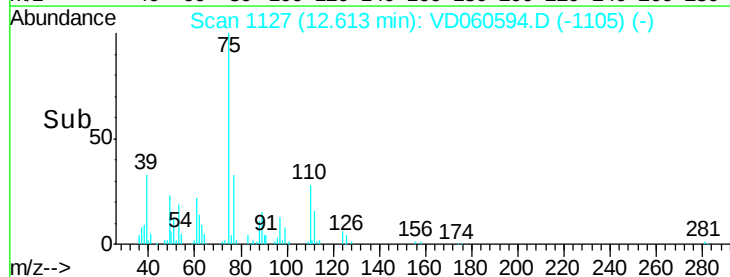
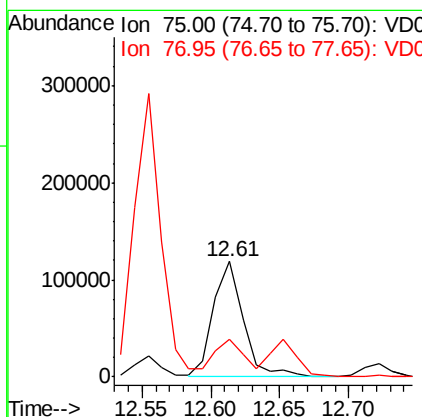
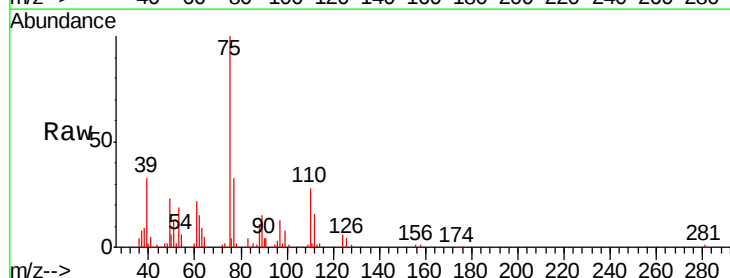
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

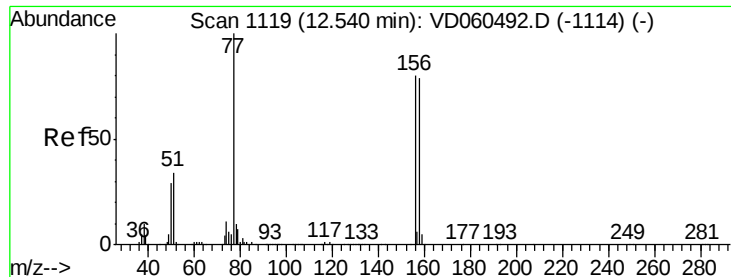
Tgt Ion: 83 Resp: 187947
 Ion Ratio Lower Upper
 83 100
 131 7.8 3.8 11.4
 85 62.8 32.3 96.9



#76
 1,2,3-Trichloropropane
 Concen: 19.598 ug/l
 RT: 12.61 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion: 75 Resp: 179998
 Ion Ratio Lower Upper
 75 100
 77 33.0 16.4 49.4





#77

Bromobenzene

Concen: 21.122 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBSD01

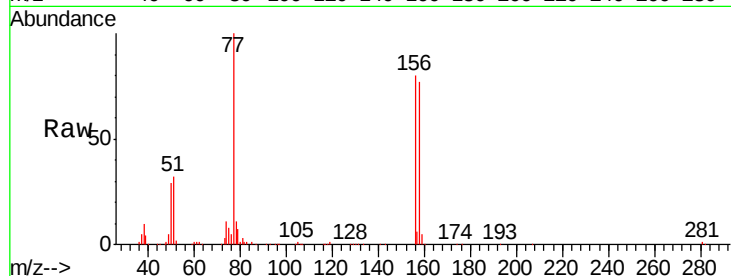
Tgt Ion: 156 Resp: 318467

Ion Ratio Lower Upper

156 100

77 124.7 62.5 187.6

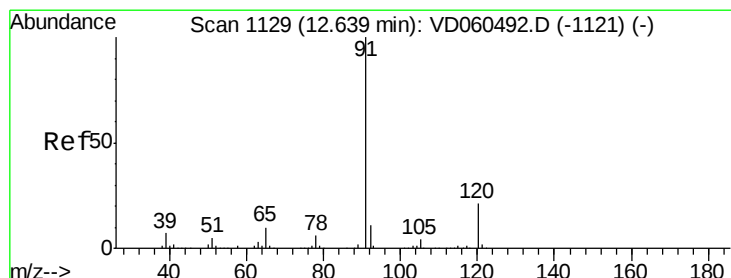
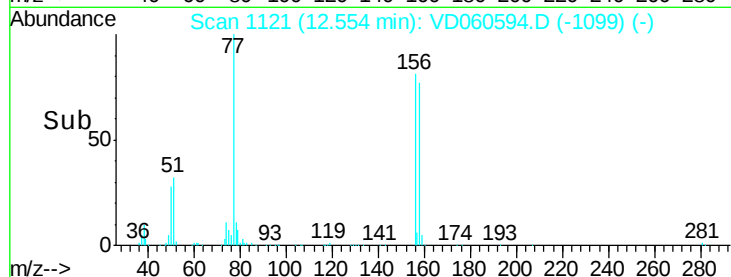
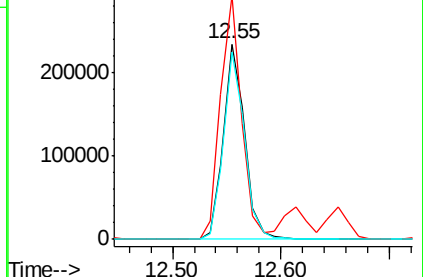
158 95.6 49.4 148.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.744 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060594.D

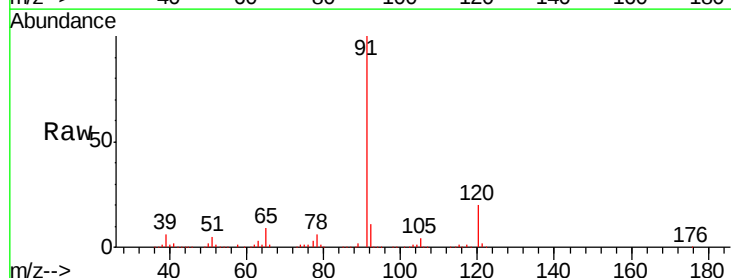
Acq: 17 Dec 2018 12:44

Tgt Ion: 91 Resp: 1504115

Ion Ratio Lower Upper

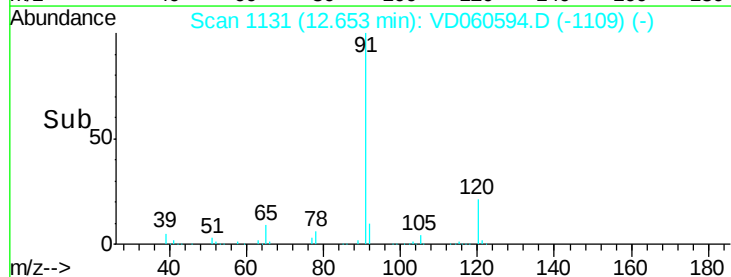
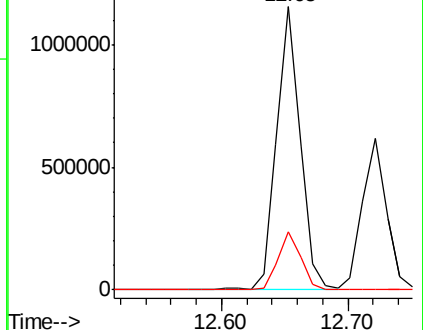
91 100

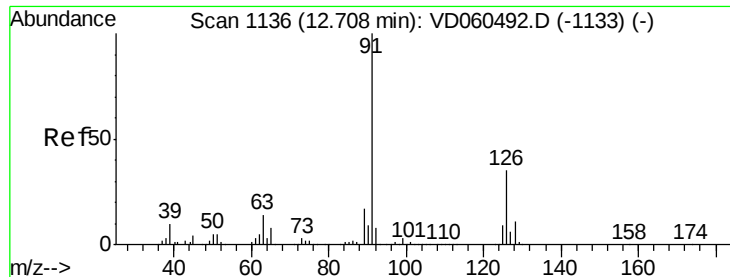
120 20.5 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.706 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

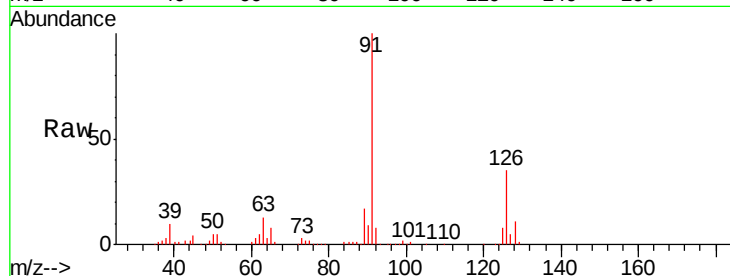
VD1217SBS01

Tgt Ion: 91 Resp: 814663

Ion Ratio Lower Upper

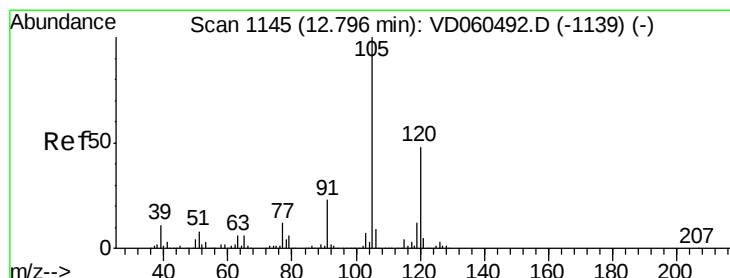
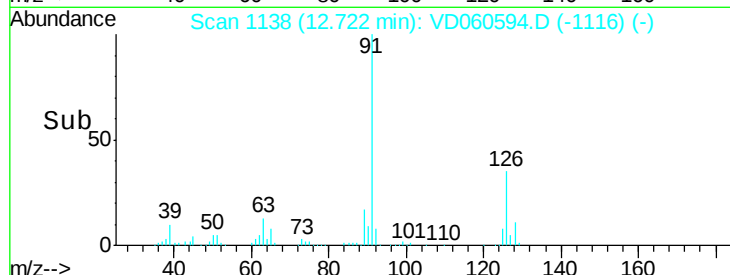
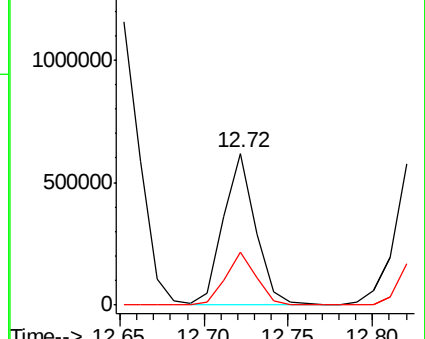
91 100

126 35.0 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: 22.034 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060594.D

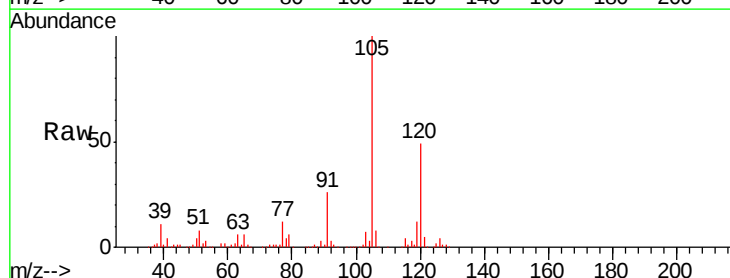
Acq: 17 Dec 2018 12:44

Tgt Ion: 105 Resp: 965730

Ion Ratio Lower Upper

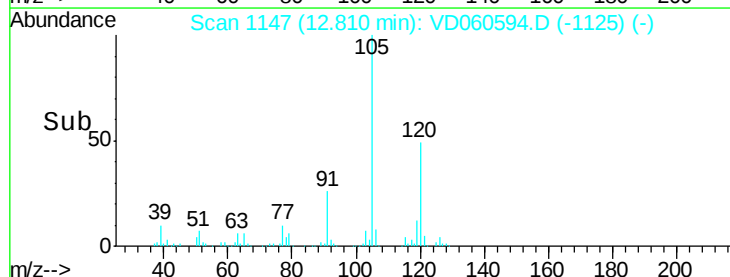
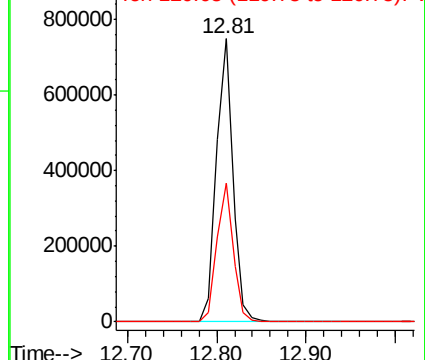
105 100

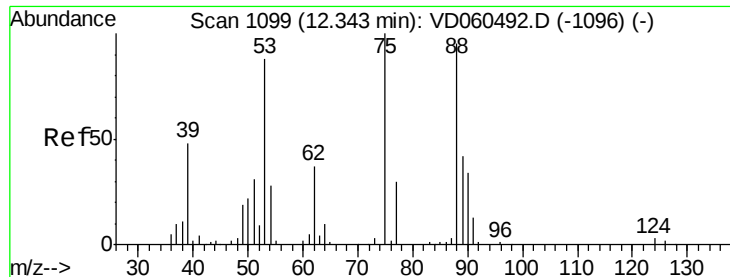
120 49.0 24.2 72.6



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: 20.212 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

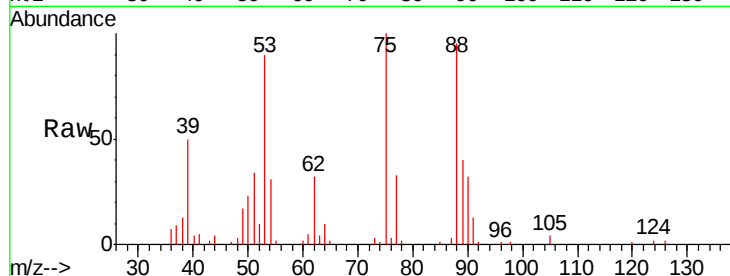
Tgt Ion: 75 Resp: 51775

Ion Ratio Lower Upper

75 100

53 89.6 70.5 105.7

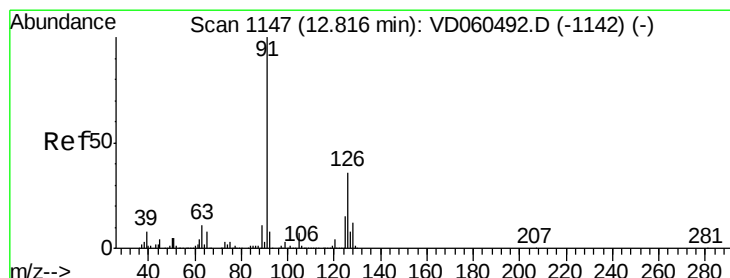
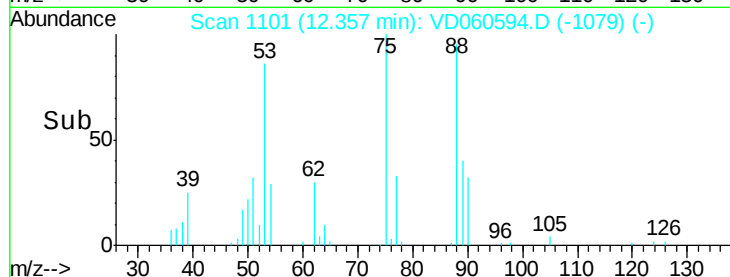
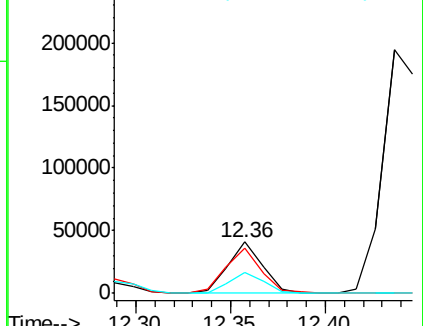
89 40.4 33.6 50.4



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: 21.505 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060594.D

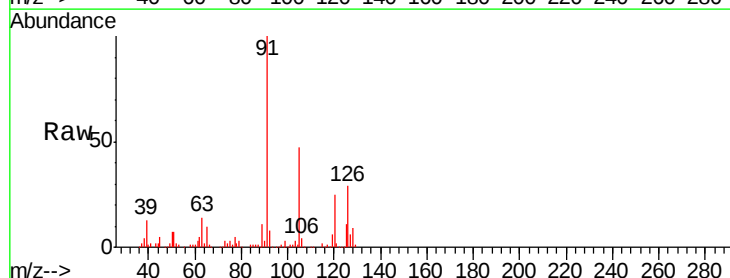
Acq: 17 Dec 2018 12:44

Tgt Ion: 91 Resp: 950315

Ion Ratio Lower Upper

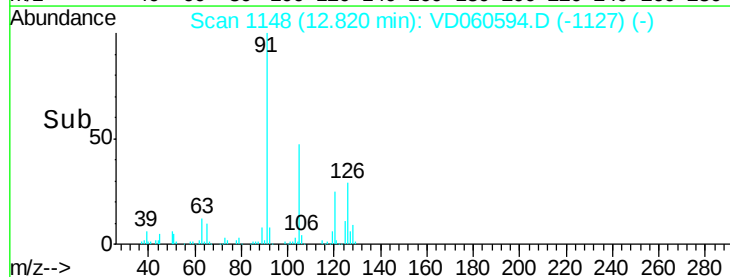
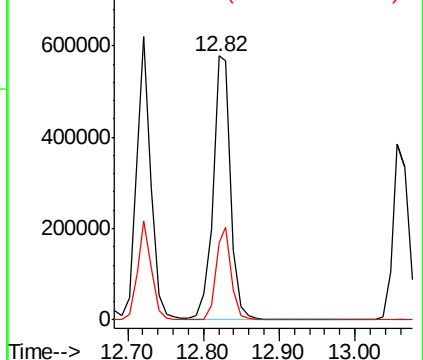
91 100

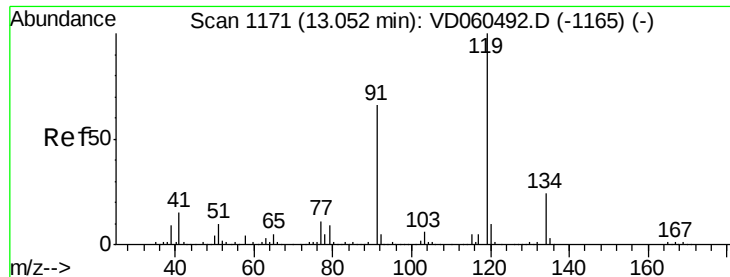
126 29.1 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

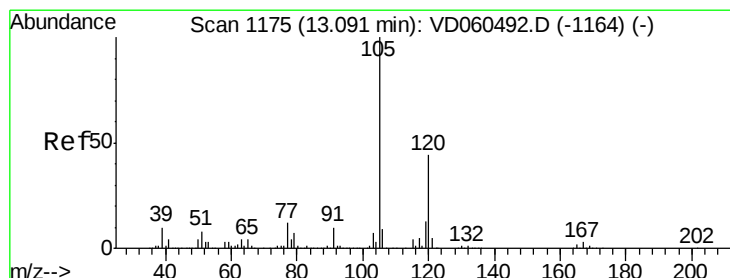
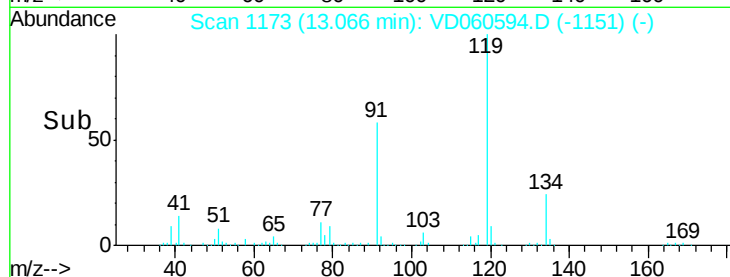
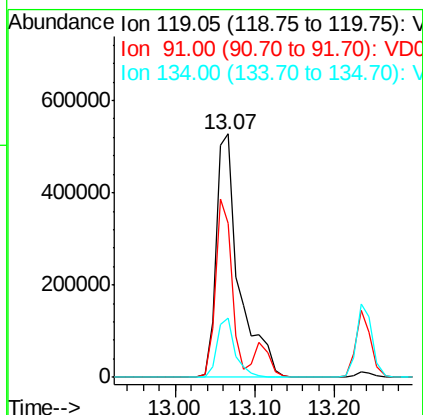
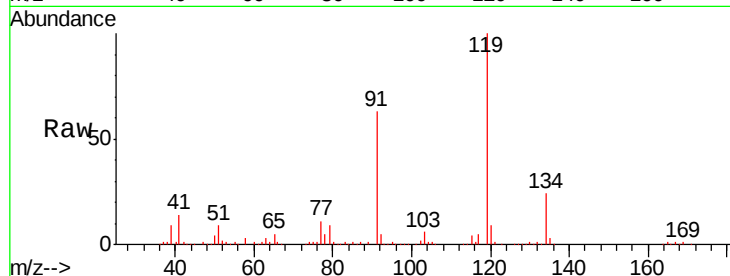




#83
 tert-Butylbenzene
 Concen: 21.709 ug/l
 RT: 13.07 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

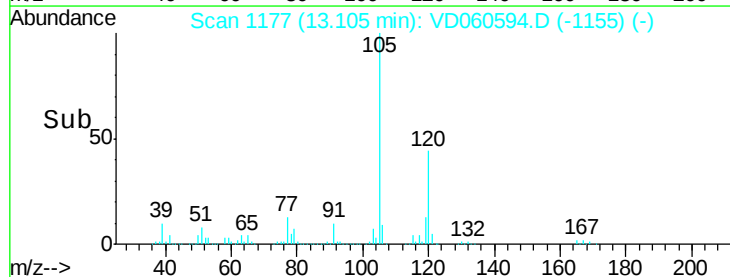
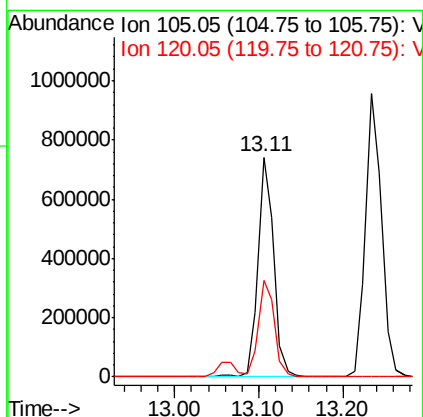
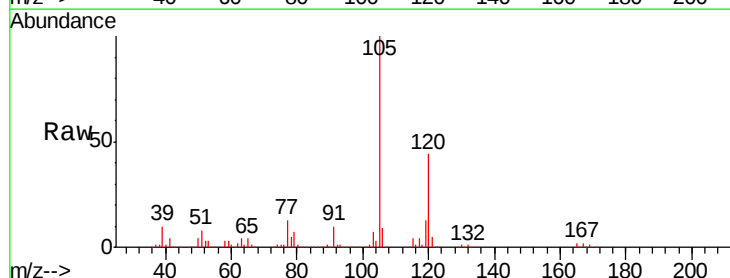
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

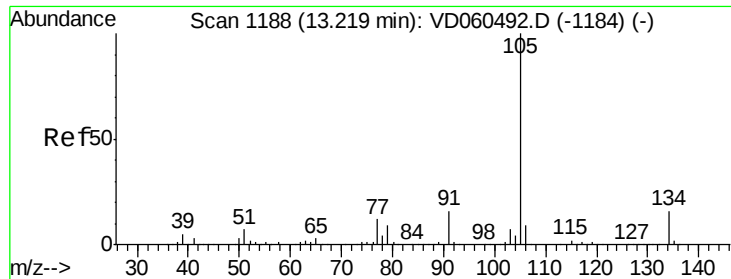
Tgt Ion:119 Resp: 1066863
 Ion Ratio Lower Upper
 119 100
 91 63.2 33.1 99.2
 134 24.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.592 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion:105 Resp: 979925
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.910 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

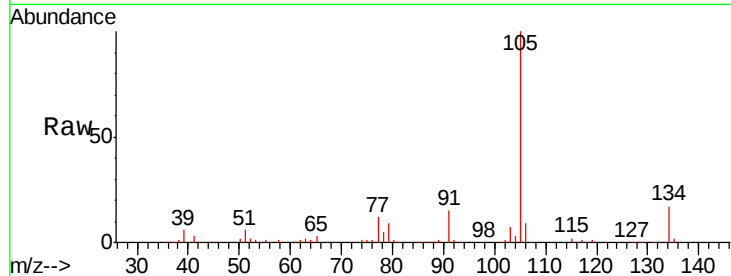
VD1217SBSD01

Tgt Ion:105 Resp: 1280730

Ion Ratio Lower Upper

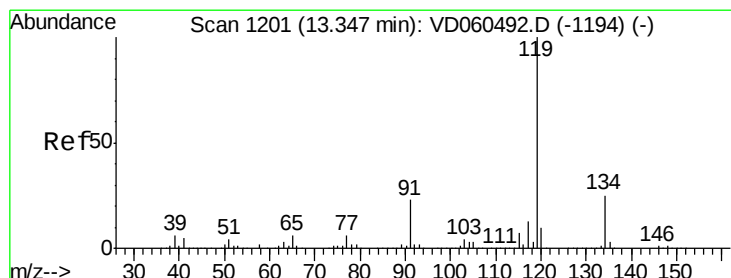
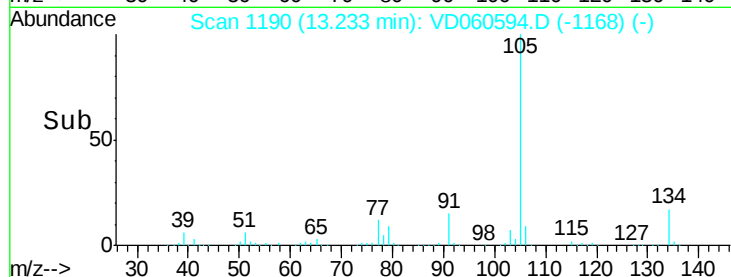
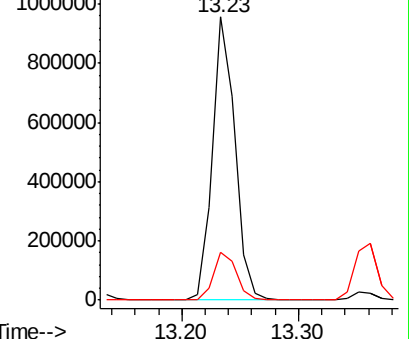
105 100

134 16.7 7.9 23.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.399 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD060594.D

Acq: 17 Dec 2018 12:44

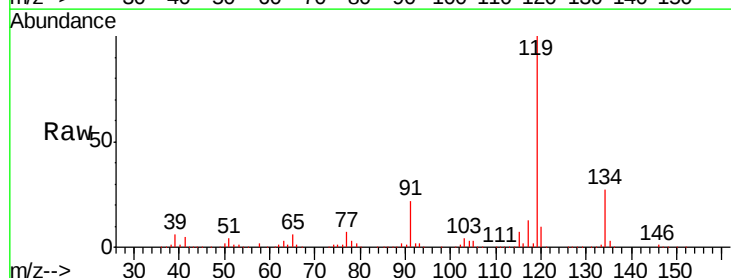
Tgt Ion:119 Resp: 1039030

Ion Ratio Lower Upper

119 100

134 26.6 12.5 37.5

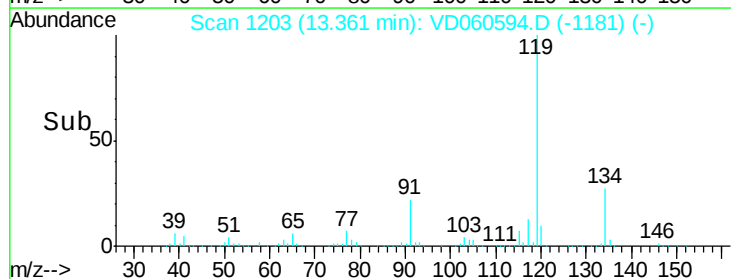
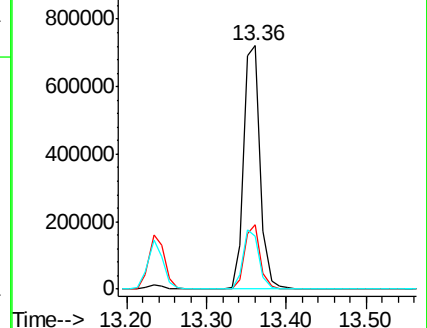
91 21.9 11.5 34.4

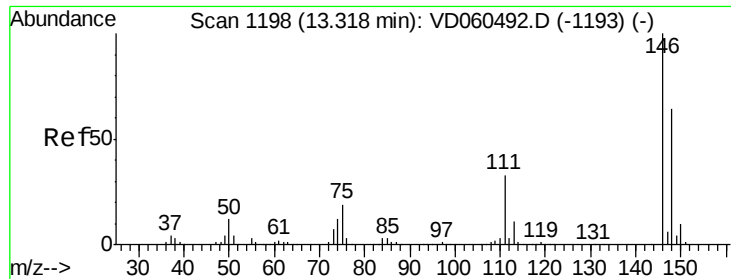


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

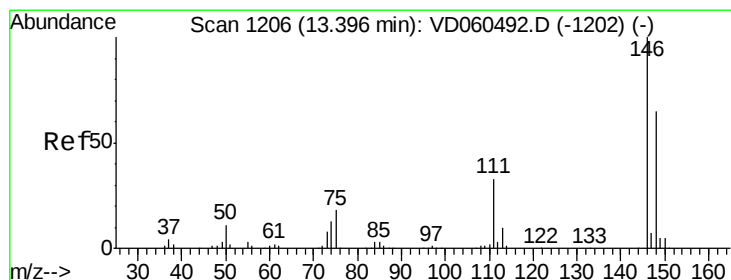
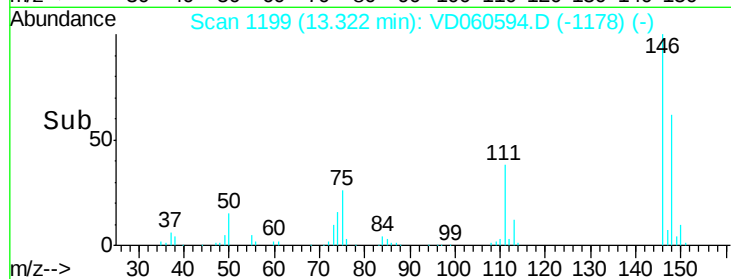
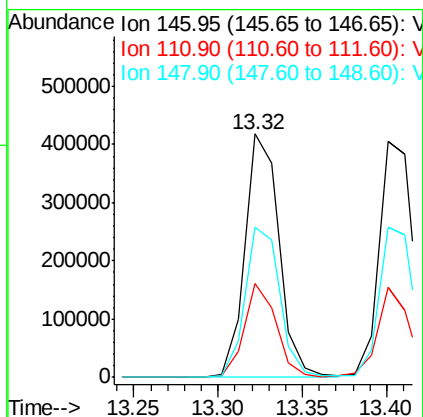
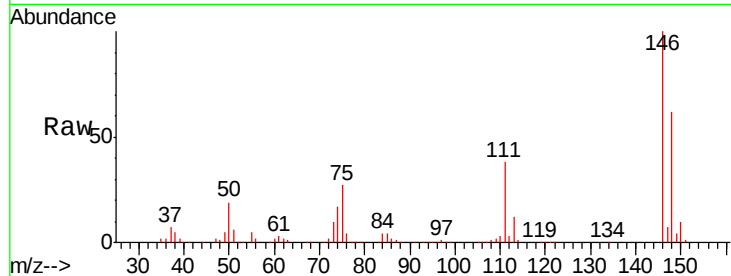




#87
 1,3-Dichlorobenzene
 Concen: 21.445 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

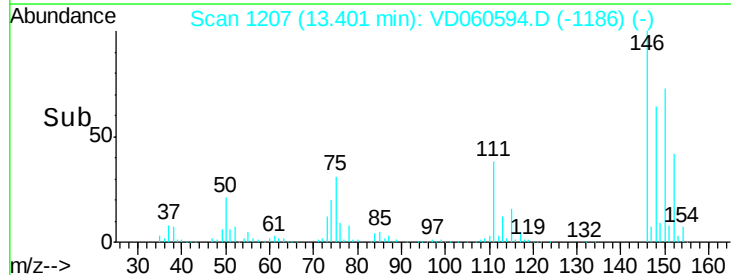
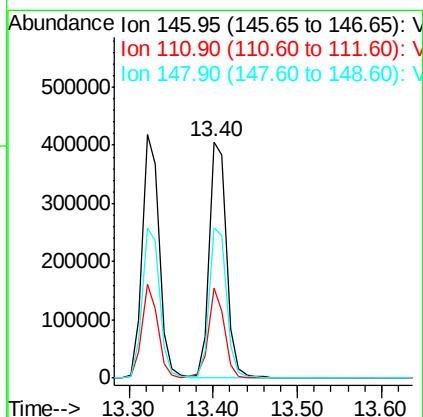
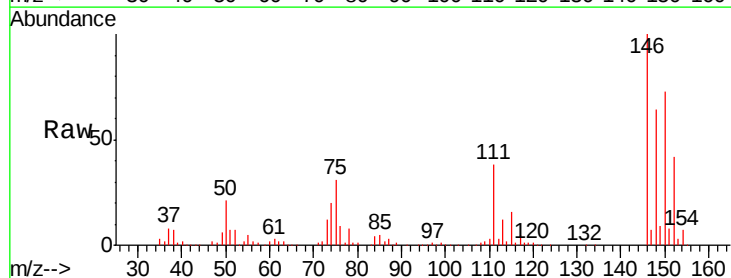
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

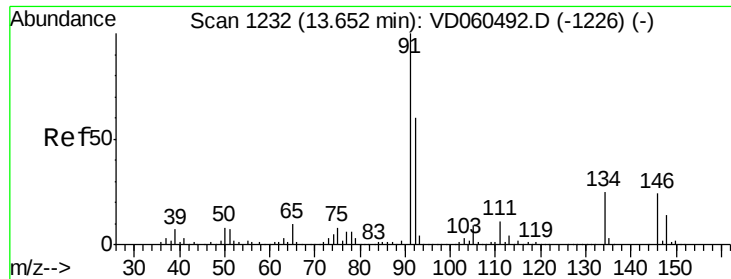
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	16.5	49.5
148	61.9	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.602 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	16.4	49.1
148	63.6	32.6	98.0

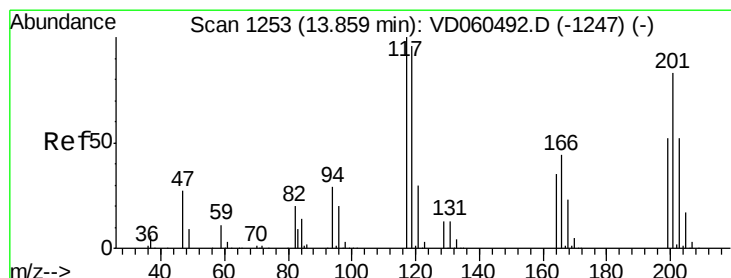
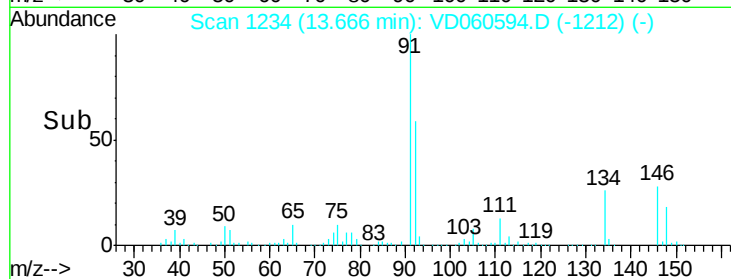
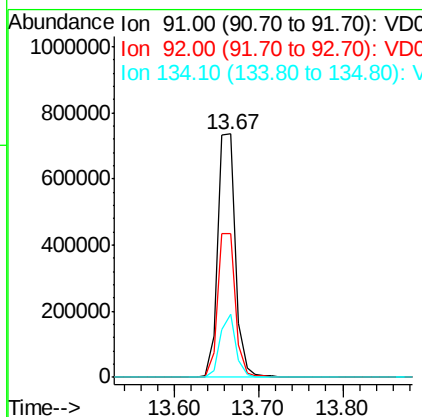
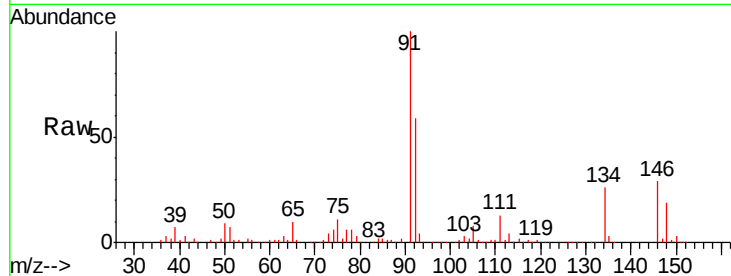




#89
n-Butylbenzene
Concen: 19.858 ug/l
RT: 13.67 min Scan# 1234
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

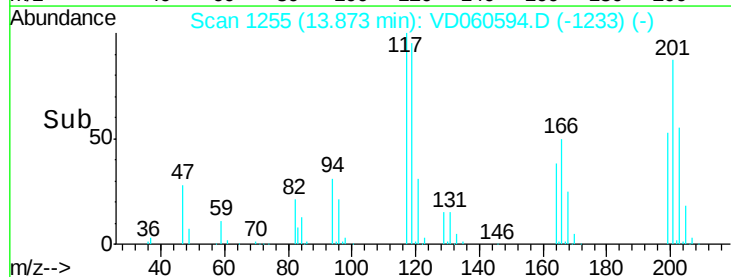
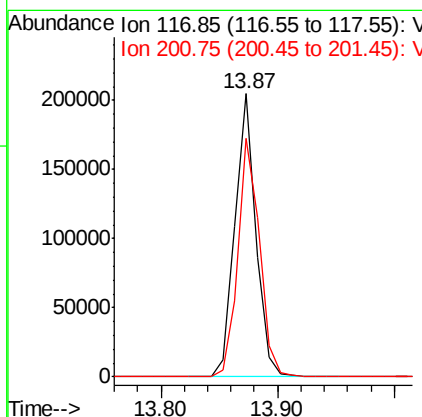
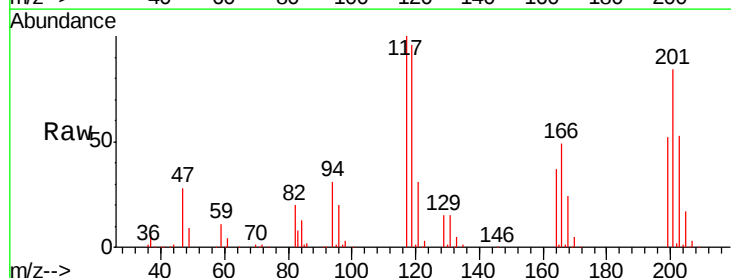
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

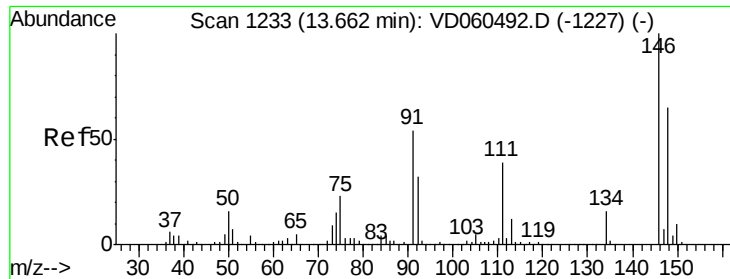
Tgt Ion: 91 Resp: 1074442
Ion Ratio Lower Upper
91 100
92 59.2 30.0 90.1
134 25.8 12.5 37.5



#90
Hexachloroethane
Concen: 20.939 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion: 117 Resp: 254902
Ion Ratio Lower Upper
117 100
201 84.3 41.3 123.9

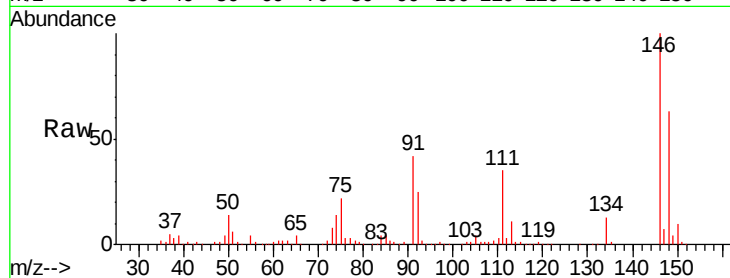




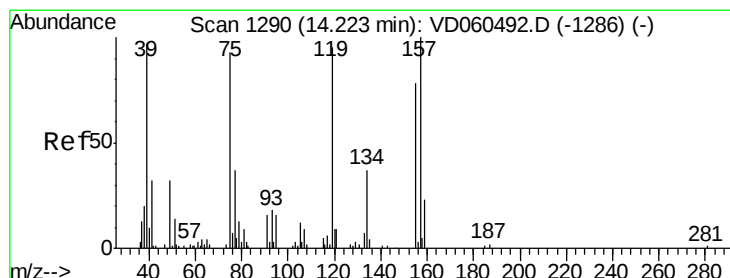
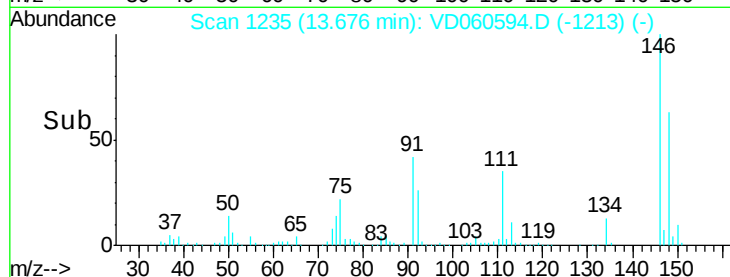
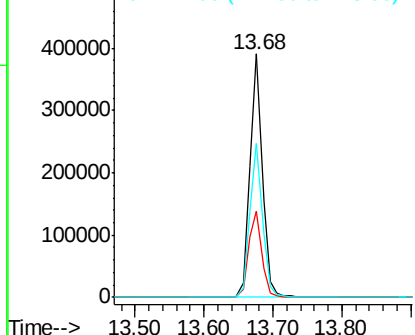
#91
 1,2-Dichlorobenzene
 Concen: 21.898 ug/l
 RT: 13.68 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBSD01

Tgt Ion:146 Resp: 488522
 Ion Ratio Lower Upper
 146 100
 111 35.2 19.3 57.8
 148 63.5 32.3 96.8

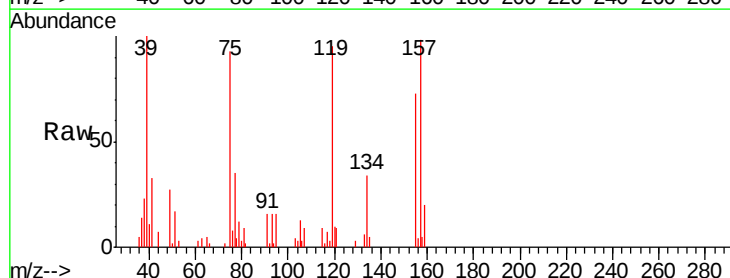


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

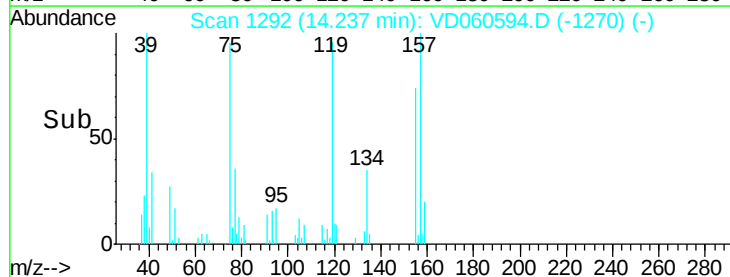
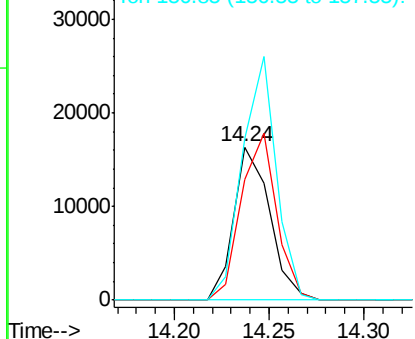


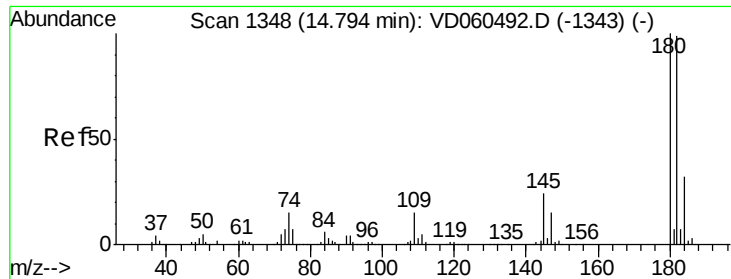
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.311 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion: 75 Resp: 21487
 Ion Ratio Lower Upper
 75 100
 155 78.5 41.6 124.9
 157 105.6 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

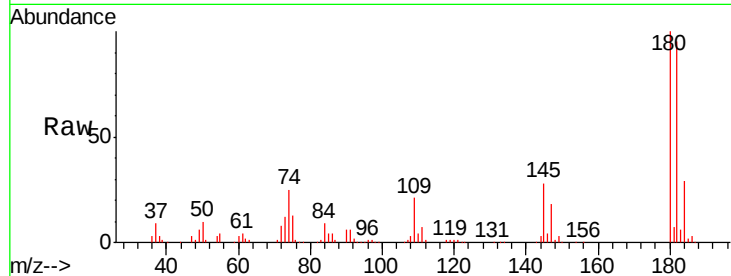




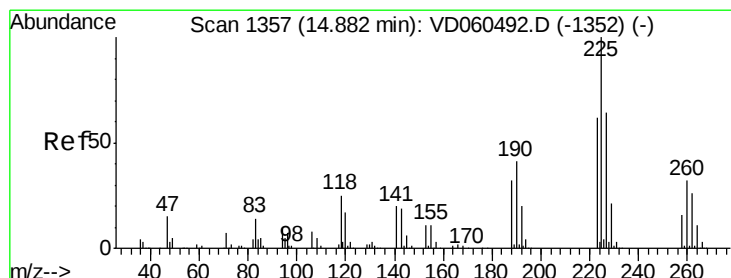
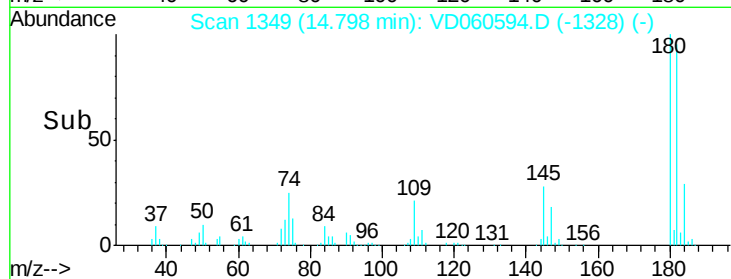
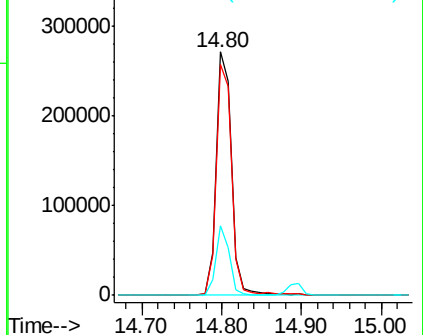
#93
 1,2,4-Trichlorobenzene
 Concen: 21.289 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Instrument :
 MSVOA_D
 ClientSampled :
 VD1217SBS01

Tgt Ion:180 Resp: 371273
 Ion Ratio Lower Upper
 180 100
 182 94.8 49.4 148.0
 145 28.3 11.9 35.9

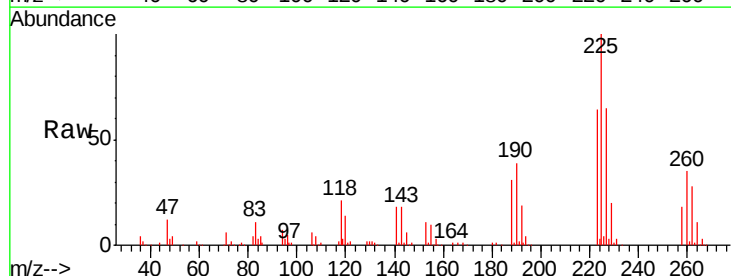


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

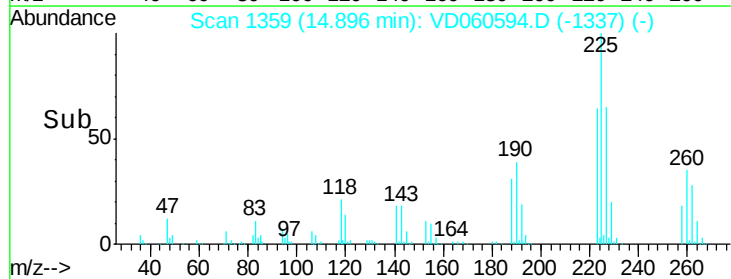
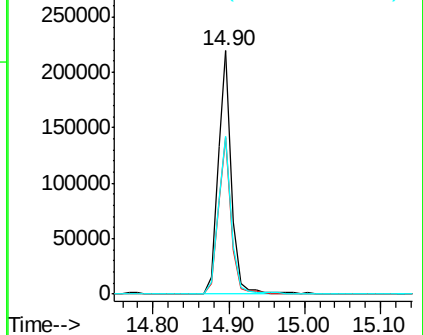


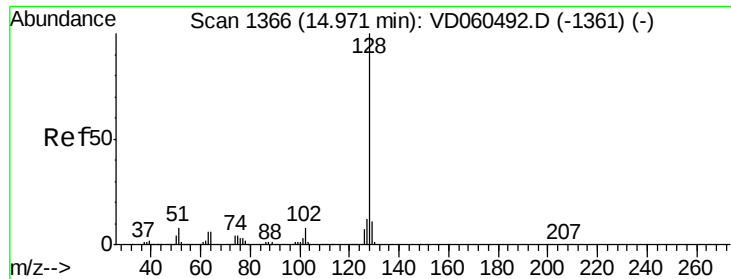
#94
 Hexachlorobutadiene
 Concen: 21.159 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060594.D
 Acq: 17 Dec 2018 12:44

Tgt Ion:225 Resp: 272252
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.2 93.6
 227 65.1 32.0 96.0



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

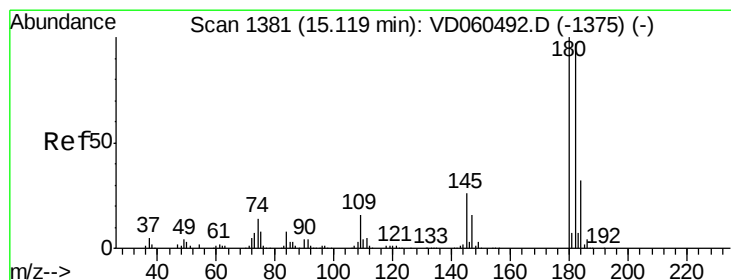
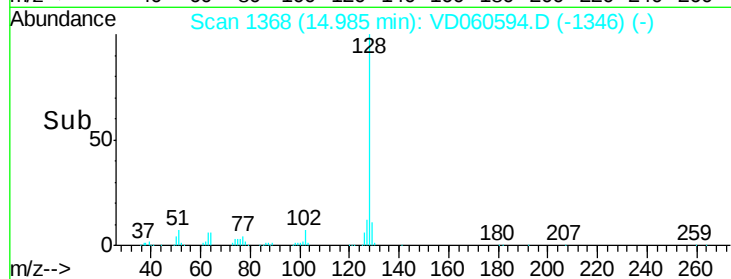
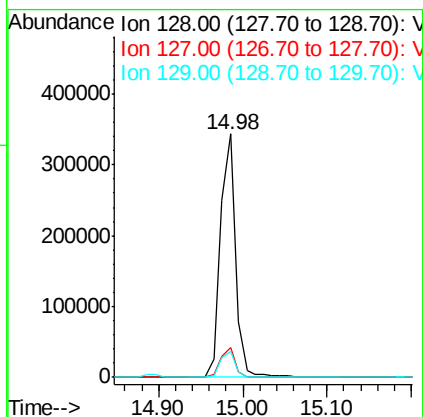
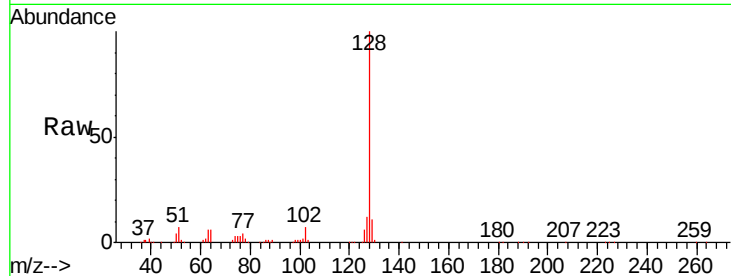




#95
Naphthalene
Concen: 20.737 ug/l
RT: 14.98 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBSD01

Tgt Ion:128 Resp: 430227
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.926 ug/l
RT: 15.13 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VD060594.D
Acq: 17 Dec 2018 12:44

Tgt Ion:180 Resp: 290782
Ion Ratio Lower Upper
180 100
182 98.1 48.5 145.5
145 24.8 12.9 38.7

