

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121918\
 Data File : VD060633.D
 Acq On : 19 Dec 2018 11:49
 Operator : VA/AP
 Sample : VD1219SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 00:22:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1492970	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2055928	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1674376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	871358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	548440	51.83	ug/l	0.00
Spiked Amount						
			Recovery	=	103.66%	
35) Dibromofluoromethane	6.33	113	794448	52.61	ug/l	0.00
Spiked Amount						
			Recovery	=	105.22%	
50) Toluene-d8	9.46	98	2201693	50.38	ug/l	0.00
Spiked Amount						
			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.42	95	814717	52.10	ug/l	-0.01
Spiked Amount						
			Recovery	=	104.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	382348	23.416	ug/l	98
3) Chloromethane	1.78	50	357563	23.310	ug/l	97
4) Vinyl Chloride	1.87	62	286146	23.373	ug/l	99
5) Bromomethane	2.17	94	51711	16.884	ug/l	96
6) Chloroethane	2.27	64	75269	17.713	ug/l	99
7) Trichlorofluoromethane	2.53	101	321307	22.730	ug/l	100
8) Diethyl Ether	2.85	74	55005	22.528	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	216016	23.552	ug/l	94
10) Methyl Iodide	3.27	142	241739	22.548	ug/l	96
11) Tert butyl alcohol	3.98	59	34452	80.136	ug/l #	90
12) 1,1-Dichloroethene	3.09	96	182653	24.477	ug/l	87
13) Acrolein	3.00	56	42043	89.498	ug/l	92
14) Allyl chloride	3.55	41	347125	24.517	ug/l	99
15) Acrylonitrile	4.11	53	250024	102.422	ug/l	98
16) Acetone	3.18	43	174867	103.092	ug/l	94
17) Carbon Disulfide	3.34	76	530219	21.874	ug/l	99
18) Methyl Acetate	3.57	43	96577	23.957	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	431762	20.864	ug/l	100
20) Methylene Chloride	3.74	84	380205	21.898	ug/l	95
21) trans-1,2-Dichloroethene	4.11	96	343463	21.159	ug/l	97
22) Diisopropyl ether	4.86	45	1086627	21.376	ug/l	97
23) Vinyl Acetate	4.81	43	2603581	103.374	ug/l	99
24) 1,1-Dichloroethane	4.76	63	583712	22.103	ug/l	99
25) 2-Butanone	5.63	43	330895	99.154	ug/l	97
26) 2,2-Dichloropropane	5.59	77	461099	22.602	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	349710	21.189	ug/l	93
28) Bromochloromethane	5.94	49	242240	20.707	ug/l	99
29) Tetrahydrofuran	5.96	42	183777	97.249	ug/l	99
30) Chloroform	6.10	83	581581	21.860	ug/l	94
31) Cyclohexane	6.37	56	518837	20.733	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	475993	21.763	ug/l	97
36) 1,1-Dichloropropene	6.53	75	455324	22.657	ug/l	99
37) Ethyl Acetate	5.71	43	181030	20.771	ug/l	100
38) Carbon Tetrachloride	6.51	117	405651	22.484	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	496508	21.673	ug/l	99
40) Benzene	6.80	78	1160517	22.596	ug/l	100
41) Methacrylonitrile	5.96	41	204384	43.502	ug/l #	68
42) 1,2-Dichloroethane	6.90	62	282353	21.622	ug/l	100
43) Isopropyl Acetate	8.35	43	210030	19.522	ug/l #	98
44) Trichloroethene	7.74	130	337332	21.977	ug/l	95
45) 1,2-Dichloropropane	8.10	63	281512	22.162	ug/l	99
46) Dibromomethane	8.22	93	155272	21.157	ug/l	98
47) Bromodichloromethane	8.49	83	381618	21.915	ug/l	99
48) Methyl methacrylate	8.25	41	129283	20.309	ug/l	97
49) 1,4-Dioxane	8.23	88	23991	415.823	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	682539	101.988	ug/l	99
52) Toluene	9.55	92	693370	21.599	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	307419	21.485	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	404984	21.542	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	187873	21.016	ug/l	98
56) Ethyl methacrylate	10.03	69	170367	21.058	ug/l	96
57) 1,3-Dichloropropane	10.38	76	290208	21.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	545049	112.592	ug/l	94
59) 2-Hexanone	10.48	43	490214	104.796	ug/l	96
60) Dibromochloromethane	10.64	129	243504	21.786	ug/l	100
61) 1,2-Dibromoethane	10.76	107	185755	20.389	ug/l	99
64) Tetrachloroethene	10.26	164	315859	21.304	ug/l	95
65) Chlorobenzene	11.31	112	762713	21.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	259723	22.748	ug/l	97
67) Ethyl Benzene	11.43	91	1366808	22.622	ug/l	97
68) m/p-Xylenes	11.56	106	979478	43.819	ug/l	98
69) o-Xylene	11.93	106	453317	21.280	ug/l	88
70) Styrene	11.96	104	720213	21.063	ug/l	99
71) Bromoform	12.12	173	149319	19.603	ug/l	98
73) Isopropylbenzene	12.27	105	1298803	21.064	ug/l	98
74) N-amyl acetate	12.14	43	280701	18.836	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	198730	20.132	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	198699	20.125	ug/l	99
77) Bromobenzene	12.54	156	330213	20.374	ug/l	97
78) n-propylbenzene	12.64	91	1661947	21.322	ug/l	99
79) 2-Chlorotoluene	12.71	91	881377	20.839	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	993127	21.078	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	51129	18.568	ug/l	99
82) 4-Chlorotoluene	12.80	91	997200	20.992	ug/l	91
83) tert-Butylbenzene	13.04	119	1118206	21.167	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	1024877	21.008	ug/l	98
85) sec-Butylbenzene	13.22	105	1328748	20.180	ug/l	97
86) p-Isopropyltoluene	13.34	119	1107605	21.221	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	615081	20.960	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	608491	21.137	ug/l	97
89) n-Butylbenzene	13.64	91	1211703	20.920	ug/l	97
90) Hexachloroethane	13.86	117	269209	20.571	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	528307	22.029	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	21701	18.143	ug/l	94

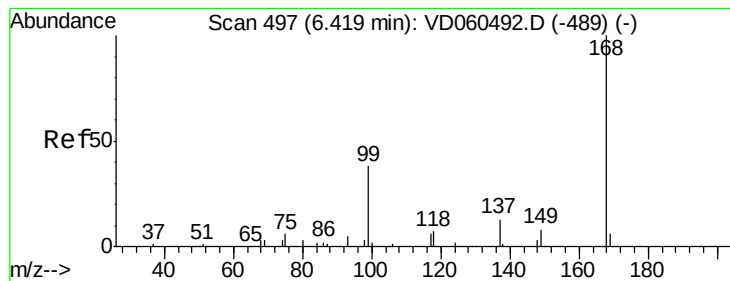
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QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	369482	19.708	ug/l	95
94) Hexachlorobutadiene	14.88	225	289093	20.900	ug/l	98
95) Naphthalene	14.97	128	425583	19.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	291713	19.528	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

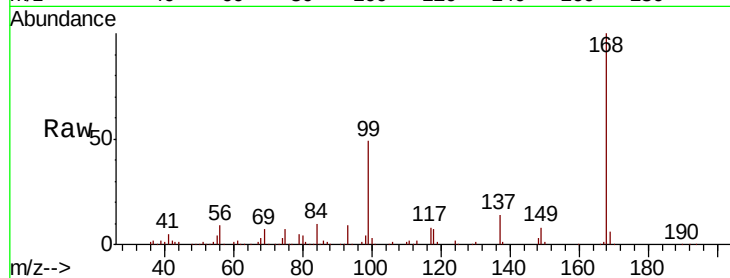
ClientSampleId :

Tot Ion:168 Resp: 1492970

Ion Ratio Lower Upper

168 100

99 49.0 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

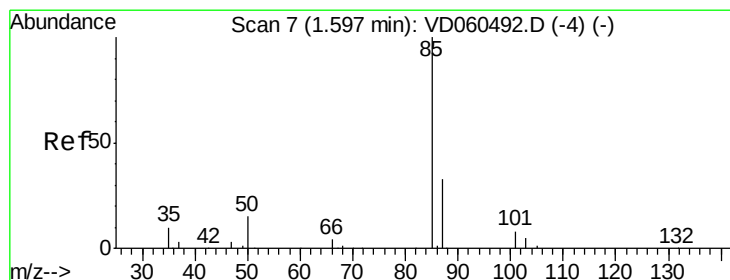
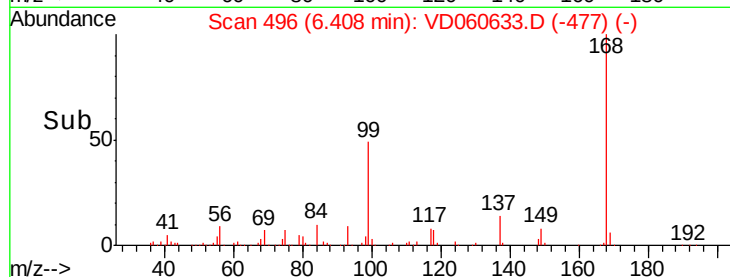
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.416 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060633.D

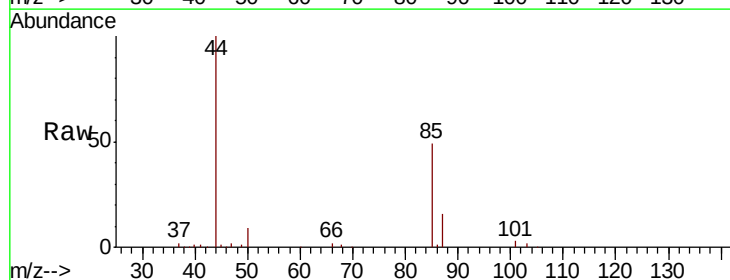
Acq: 19 Dec 2018 11:49

Tgt Ion: 85 Resp: 382348

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

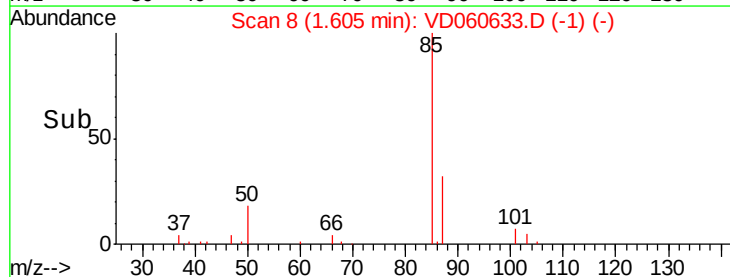
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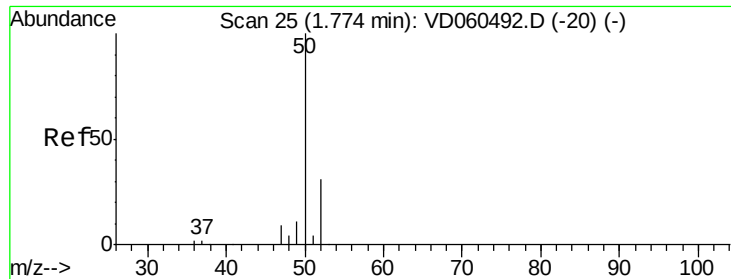
100000

50000

0

Time-->





#3

Chloromethane

Concen: 23.310 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

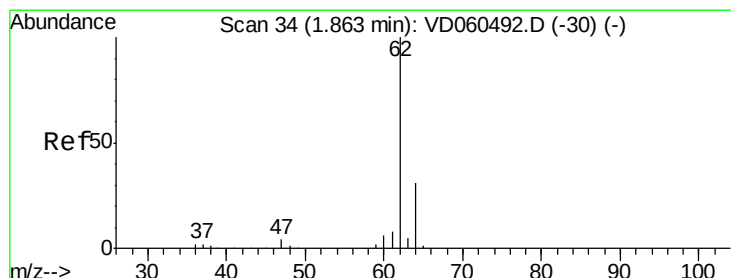
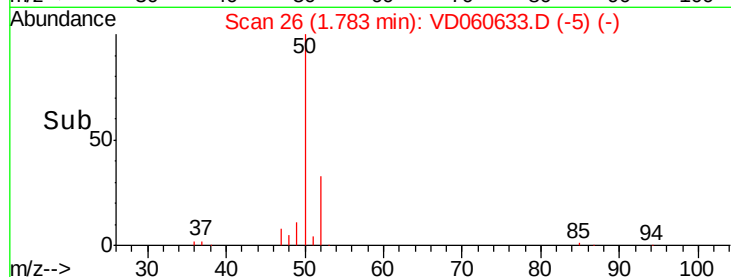
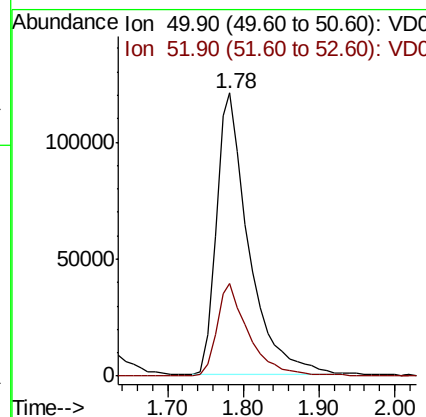
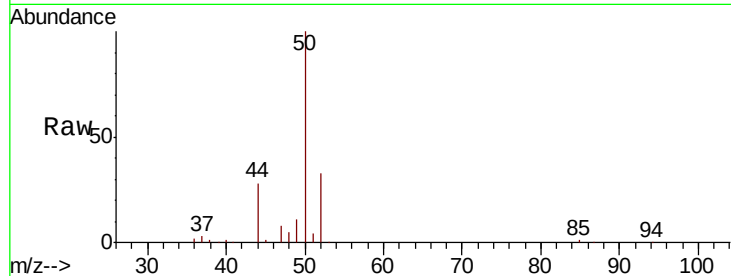
ClientSampled :

Tot Ion: 50 Resp: 357563

Ion Ratio Lower Upper

50 100

52 32.8 25.0 37.4



#4

Vinyl Chloride

Concen: 23.373 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060633.D

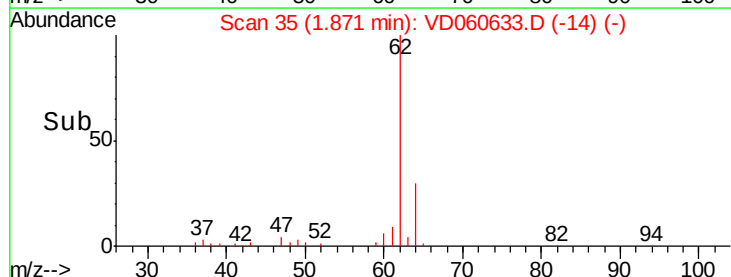
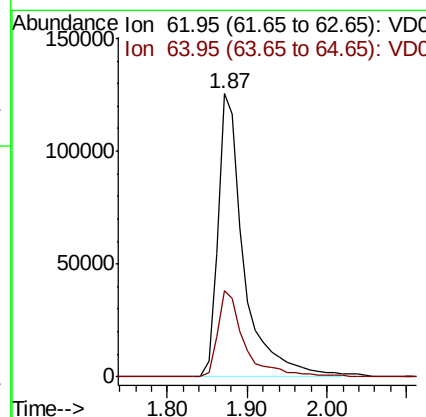
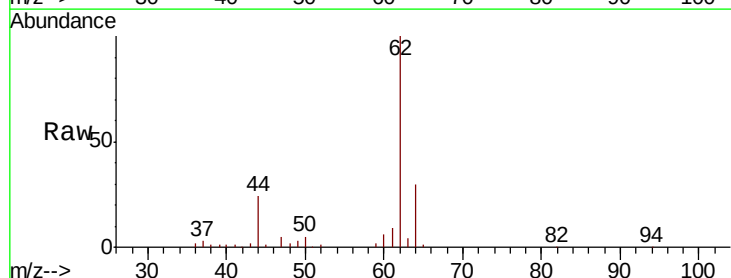
Acq: 19 Dec 2018 11:49

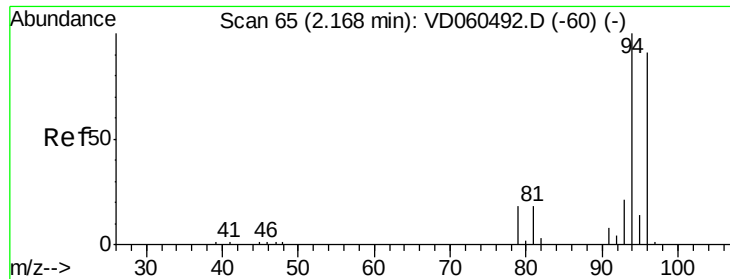
Tgt Ion: 62 Resp: 286146

Ion Ratio Lower Upper

62 100

64 30.3 24.6 37.0

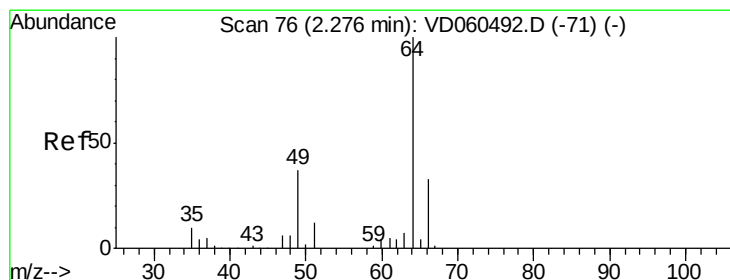
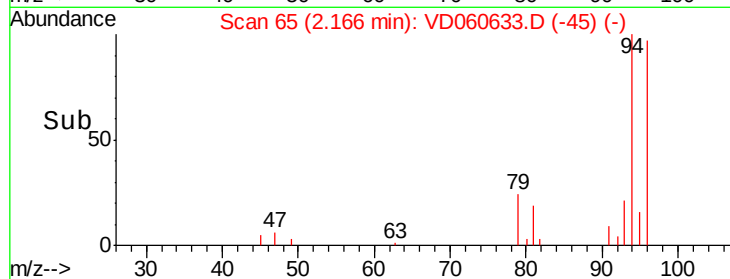
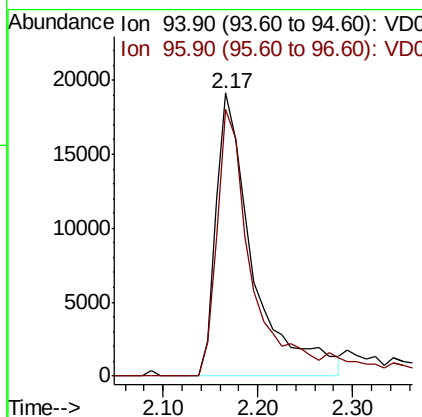
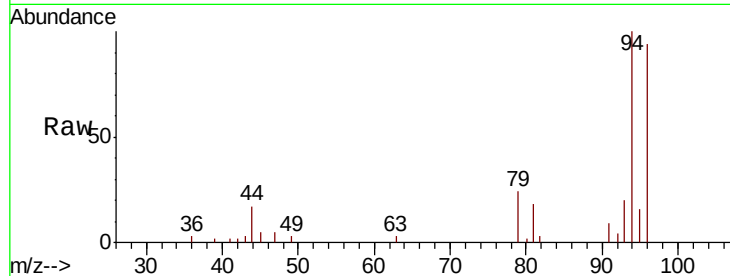




#5
Bromomethane
Concen: 16.884 ug/l
RT: 2.17 min Scan# 65
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

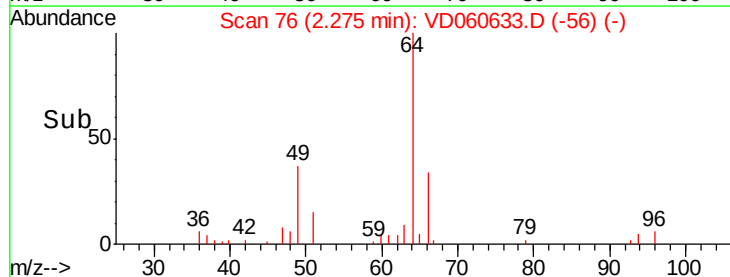
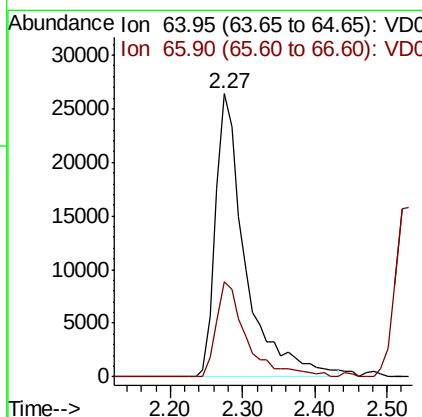
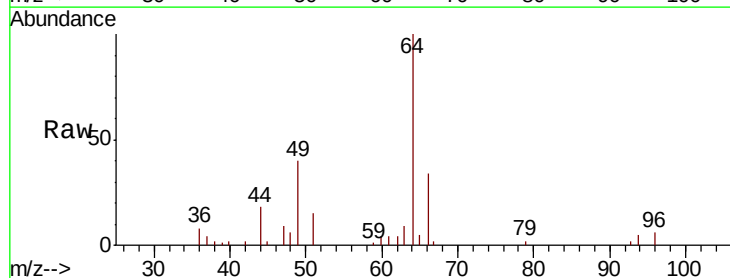
Instrument :
MSVOA_D
ClientSampleId :

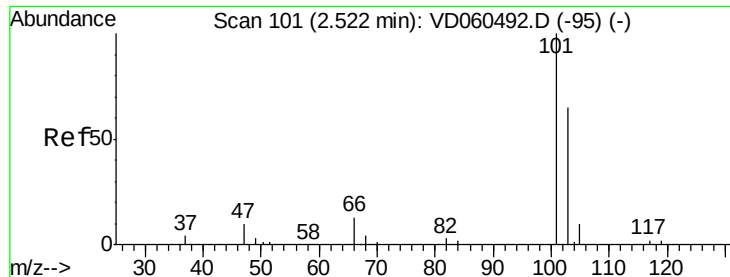
Tot Ion: 94 Resp: 51711
Ion Ratio Lower Upper
94 100
96 94.4 72.6 108.8



#6
Chloroethane
Concen: 17.713 ug/l
RT: 2.27 min Scan# 76
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 64 Resp: 75269
Ion Ratio Lower Upper
64 100
66 33.5 26.4 39.6



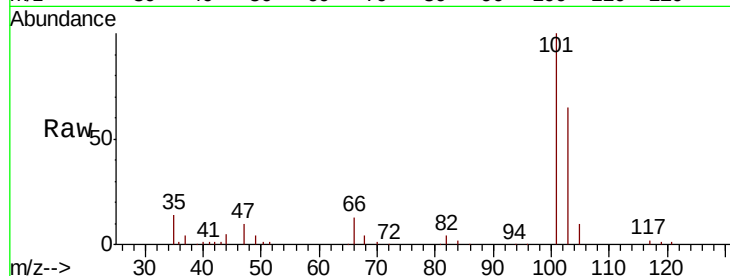


#7

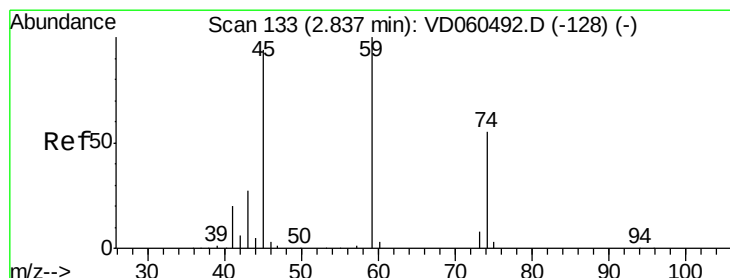
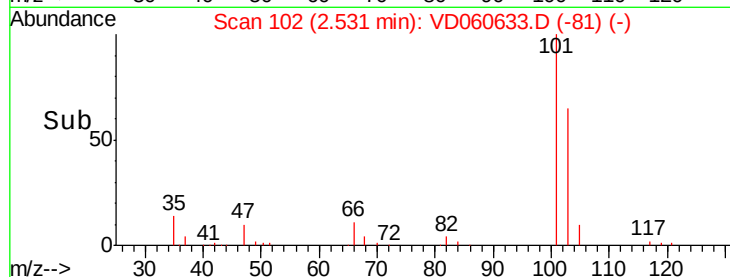
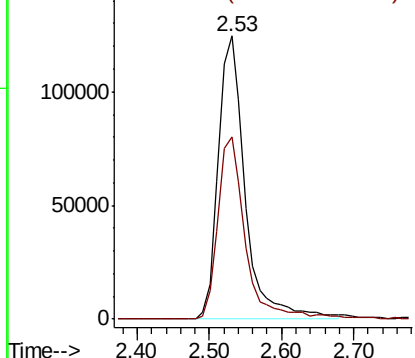
Trichlorofluoromethane
 Concen: 22.730 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 321307
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.8



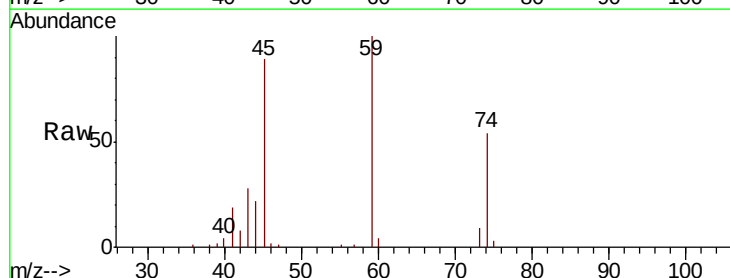
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



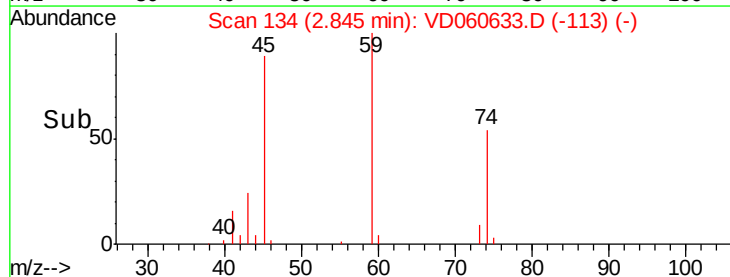
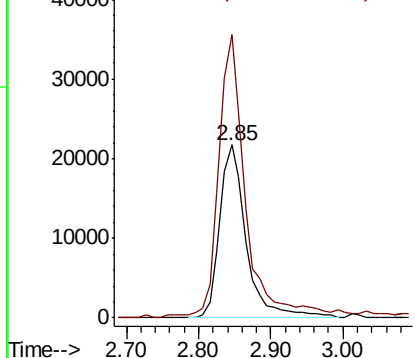
#8

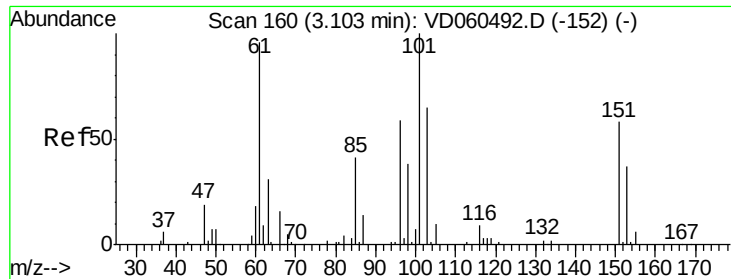
Diethyl Ether
 Concen: 22.528 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 74 Resp: 55005
 Ion Ratio Lower Upper
 74 100
 45 163.9 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.552 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

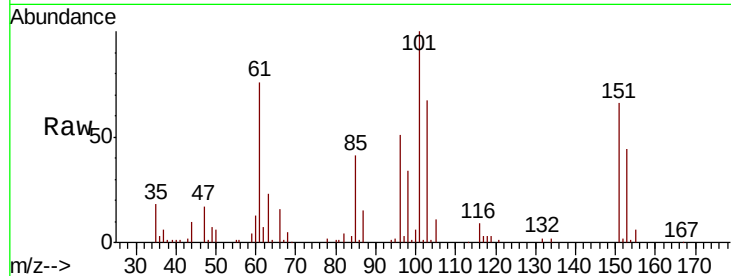
Tot Ion:101 Resp: 216016

Ion Ratio Lower Upper

101 100

85 40.7 32.7 49.1

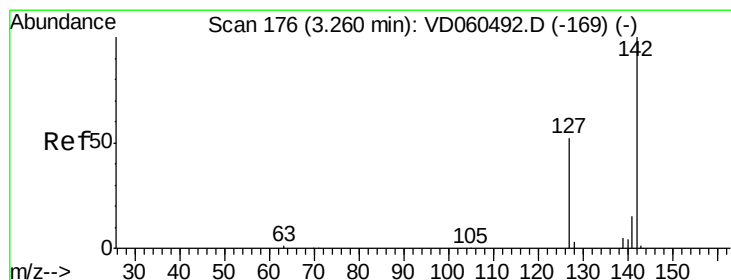
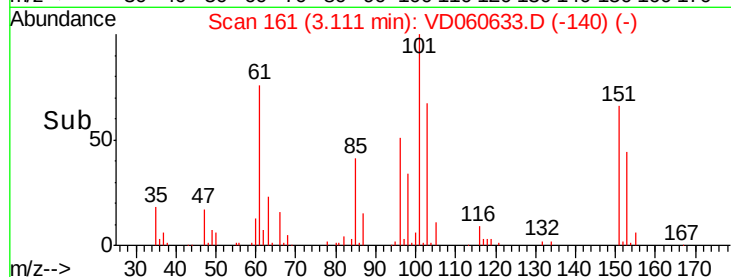
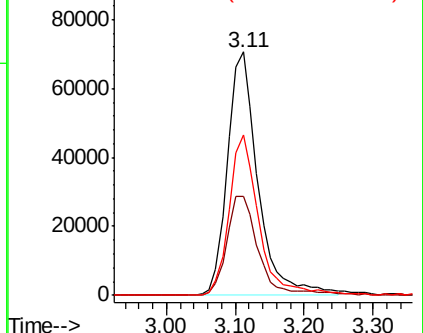
151 65.8 46.6 69.8



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: 22.548 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

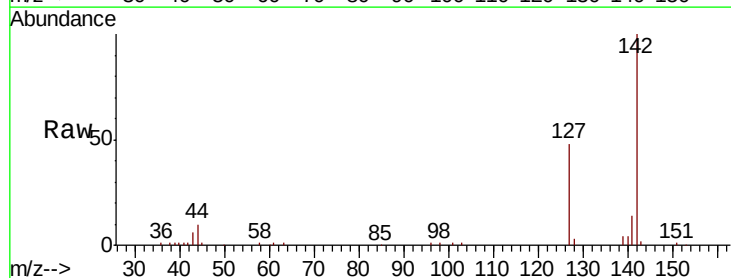
Tgt Ion:142 Resp: 241739

Ion Ratio Lower Upper

142 100

127 48.2 41.2 61.8

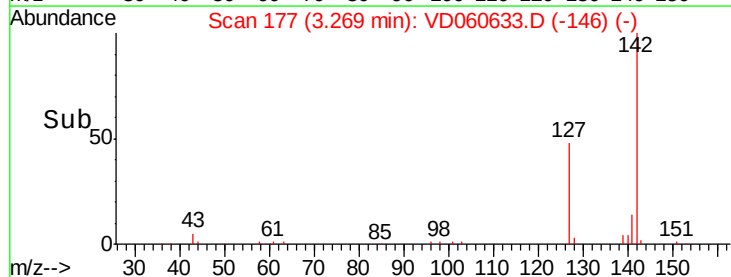
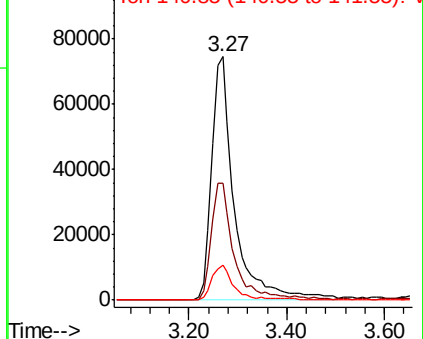
141 14.1 11.9 17.9

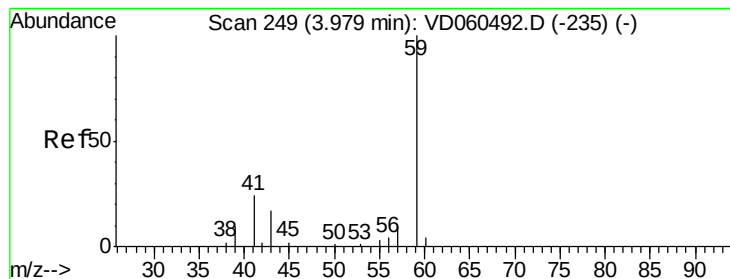


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 80.136 ug/l

RT: 3.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

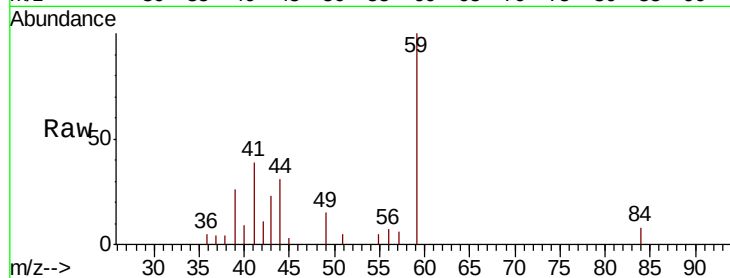
ClientSampleId :

Tot Ion: 59 Resp: 34452

Ion Ratio Lower Upper

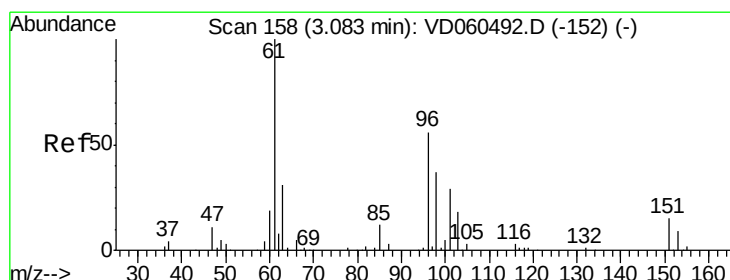
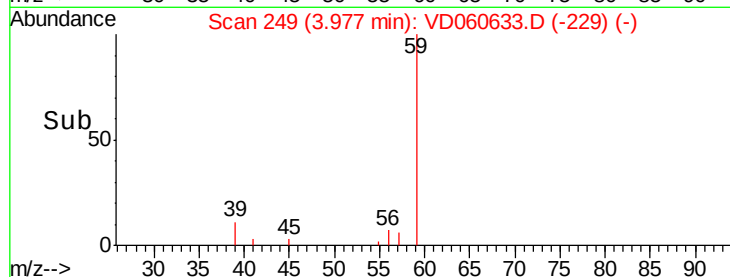
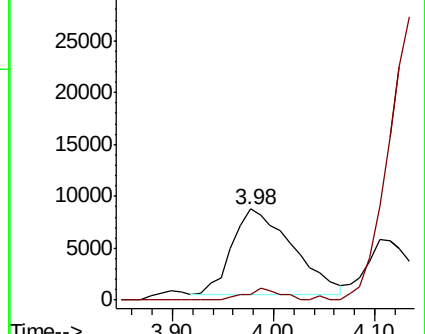
59 100

57 6.3 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 24.477 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

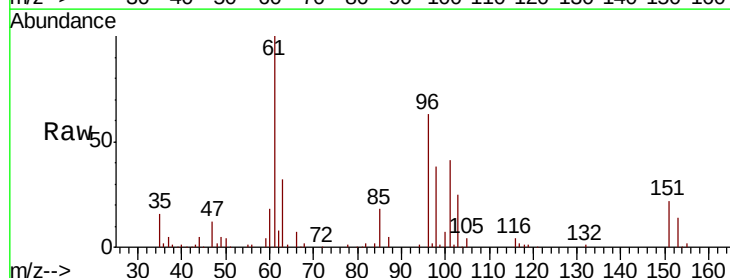
Tgt Ion: 96 Resp: 182653

Ion Ratio Lower Upper

96 100

61 158.5 143.0 214.4

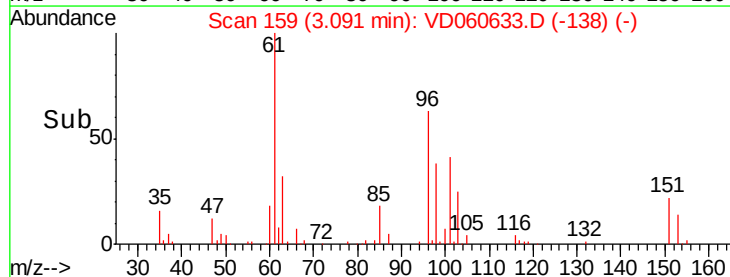
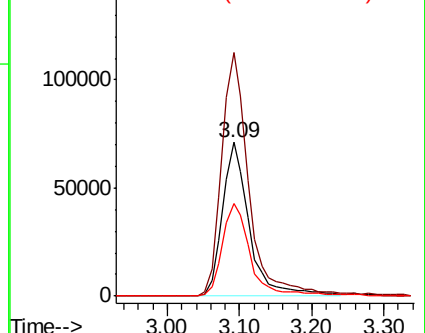
98 60.1 53.4 80.0

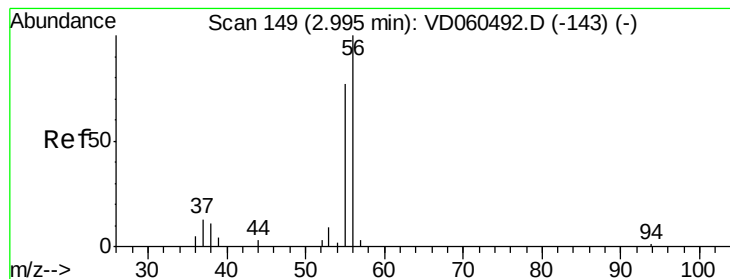


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 89.498 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

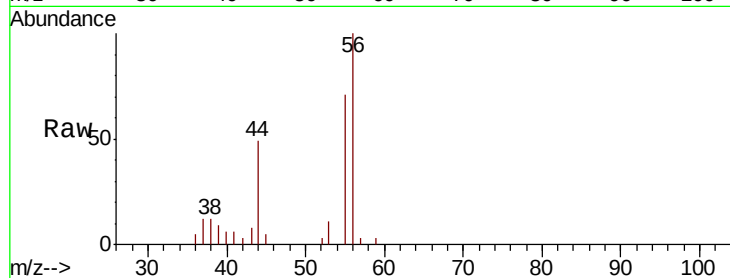
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 42043

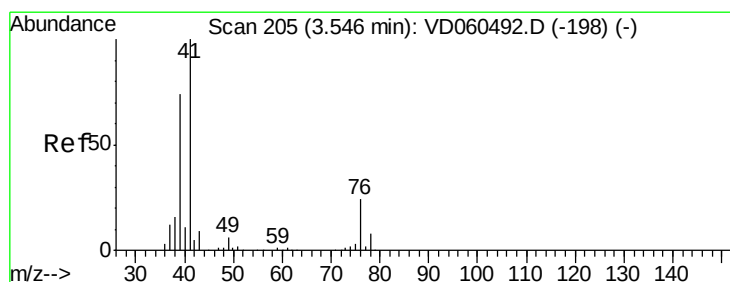
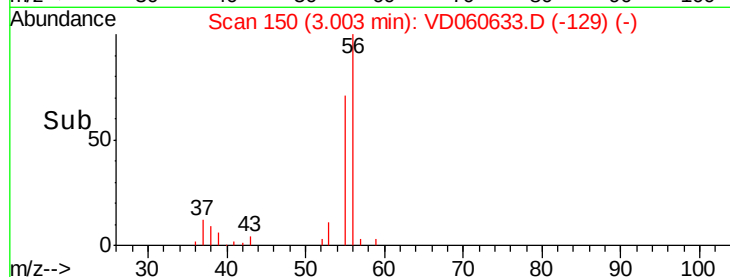
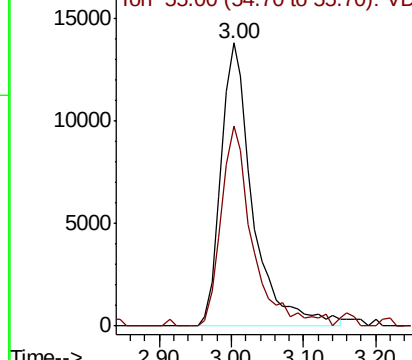
Ion Ratio Lower Upper

56 100

55 70.9 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: 24.517 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

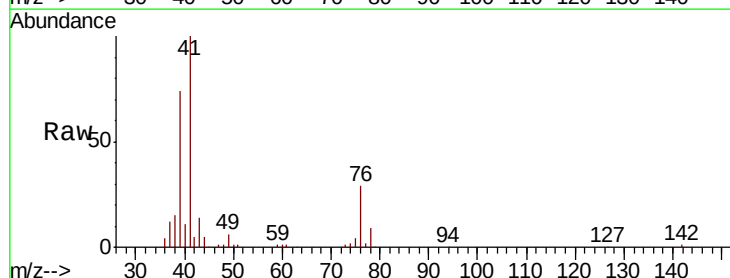
Tgt Ion: 41 Resp: 347125

Ion Ratio Lower Upper

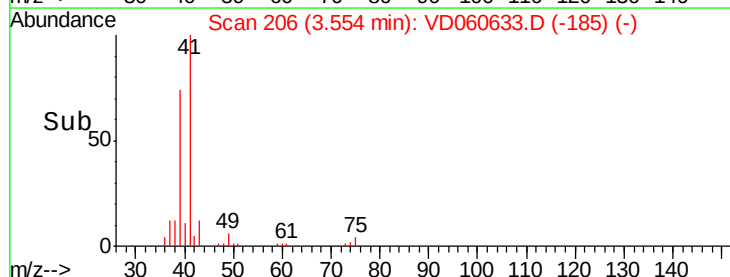
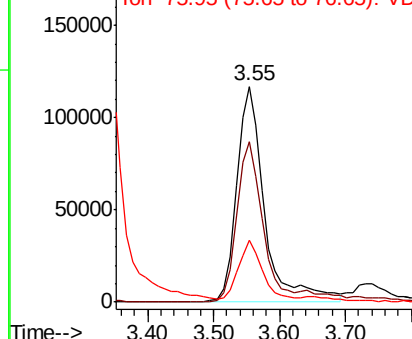
41 100

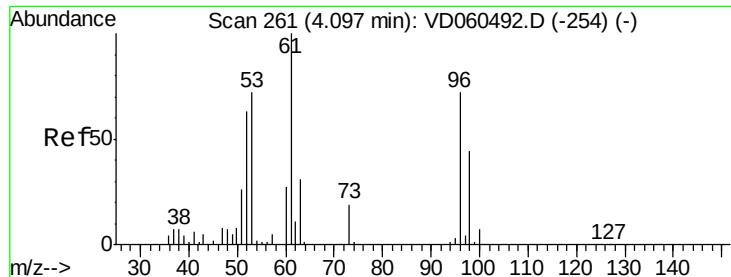
39 74.1 59.3 88.9

76 28.8 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: 102.422 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampled :

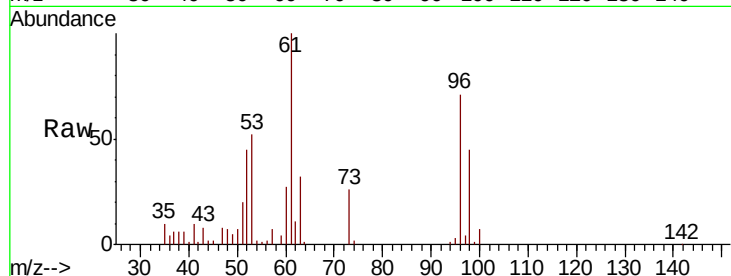
Tot Ion: 53 Resp: 250024

Ion Ratio Lower Upper

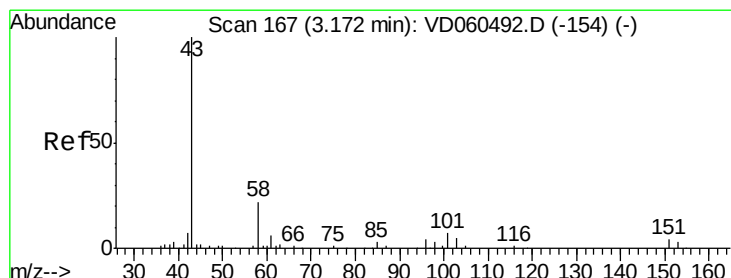
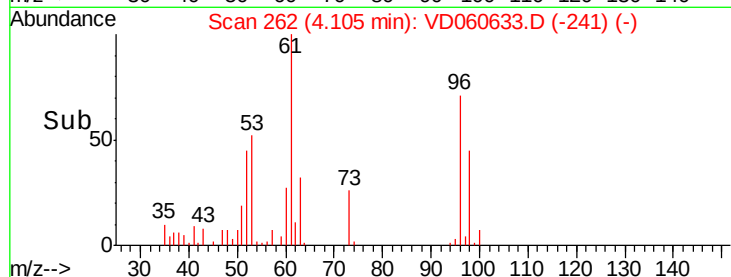
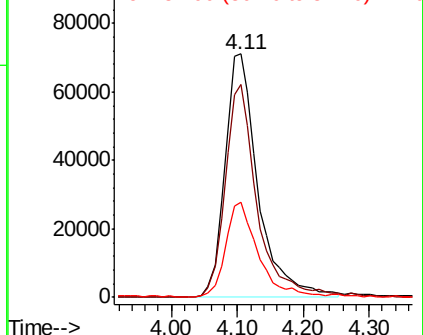
53 100

52 87.6 70.0 105.0

51 39.1 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: 103.092 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060633.D

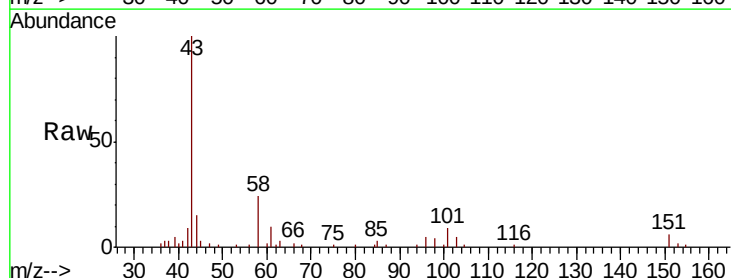
Acq: 19 Dec 2018 11:49

Tgt Ion: 43 Resp: 174867

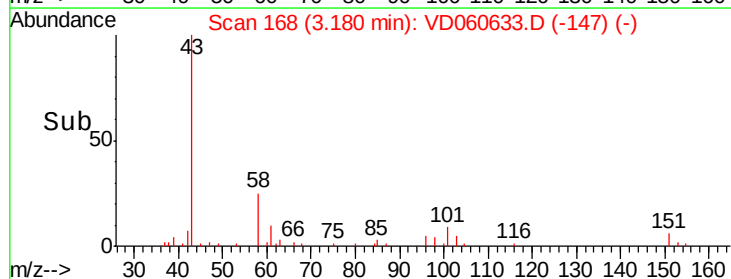
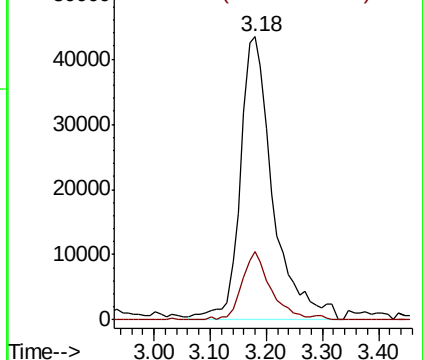
Ion Ratio Lower Upper

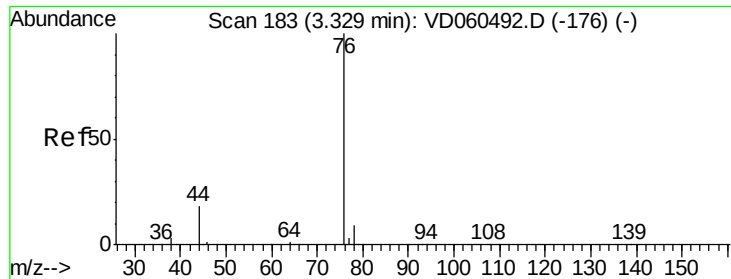
43 100

58 24.3 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: 21.874 ug/l

RT: 3.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

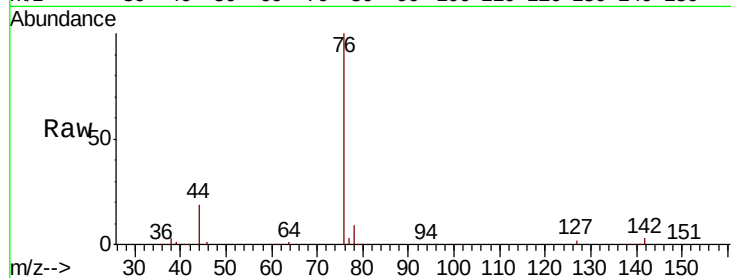
ClientSampled :

Tot Ion: 76 Resp: 530219

Ion Ratio Lower Upper

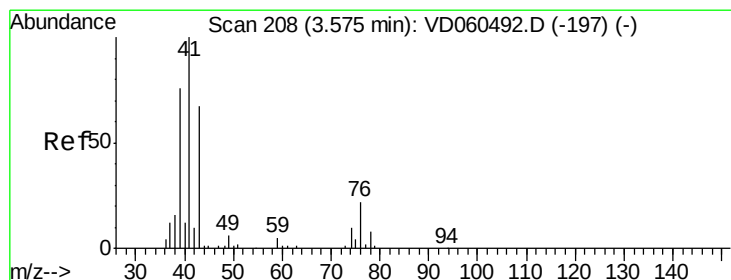
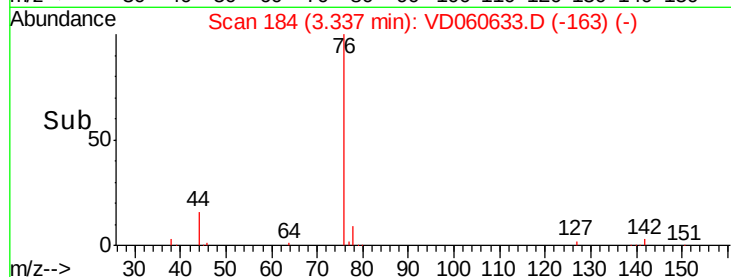
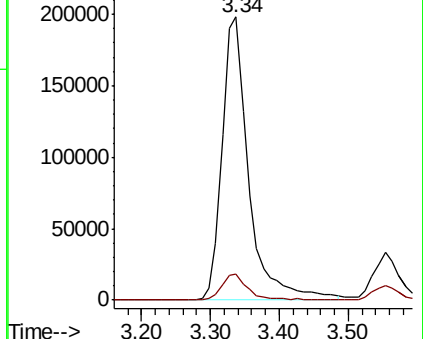
76 100

78 9.1 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.957 ug/l

RT: 3.57 min Scan# 208

Delta R.T. -0.00 min

Lab File: VD060633.D

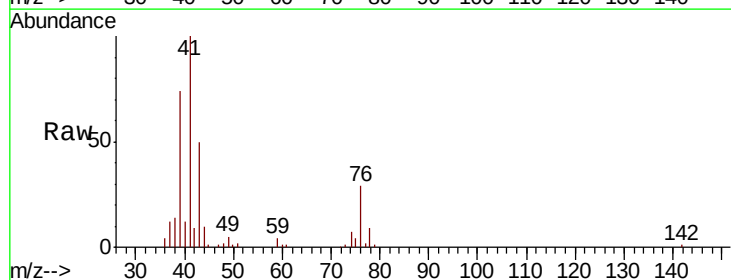
Acq: 19 Dec 2018 11:49

Tgt Ion: 43 Resp: 96577

Ion Ratio Lower Upper

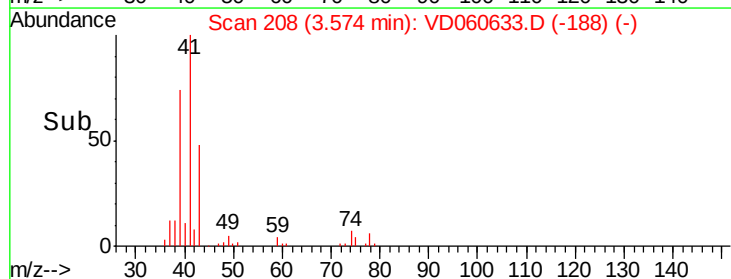
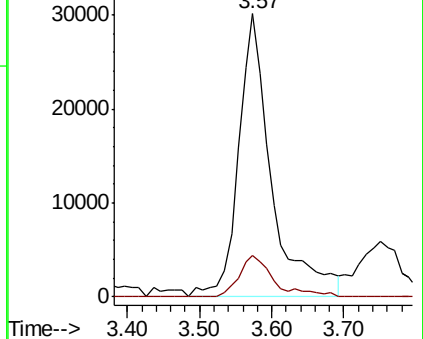
43 100

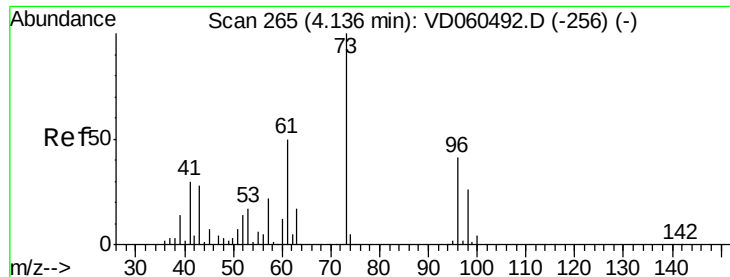
74 14.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

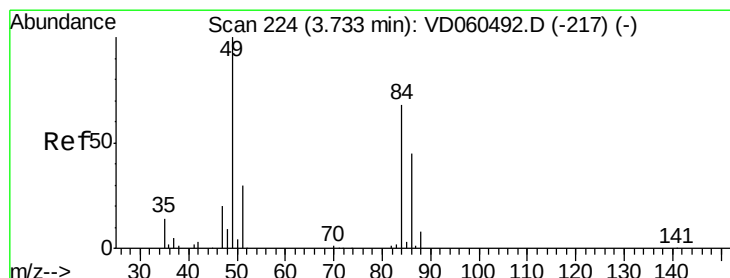
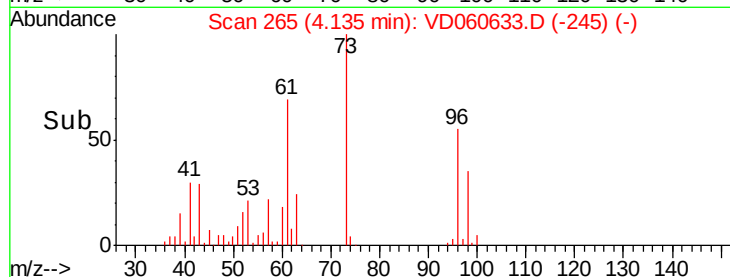
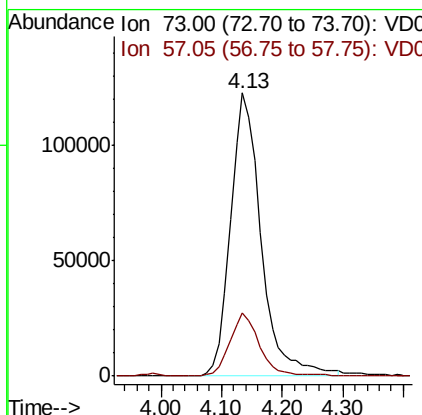
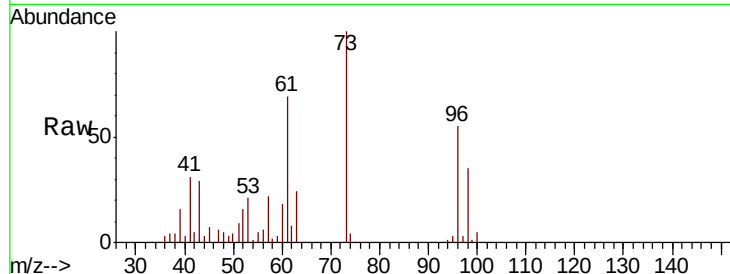




#19
Methyl tert-butyl Ether
Concen: 20.864 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

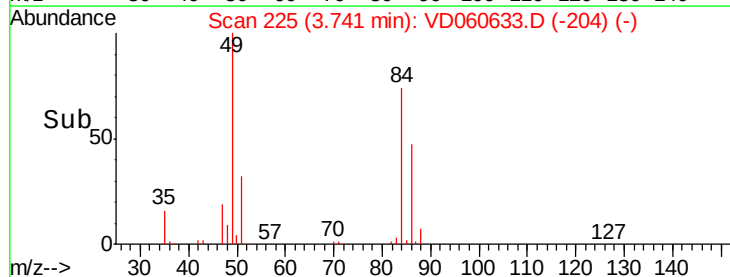
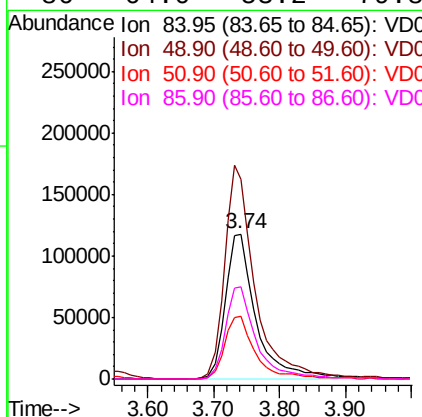
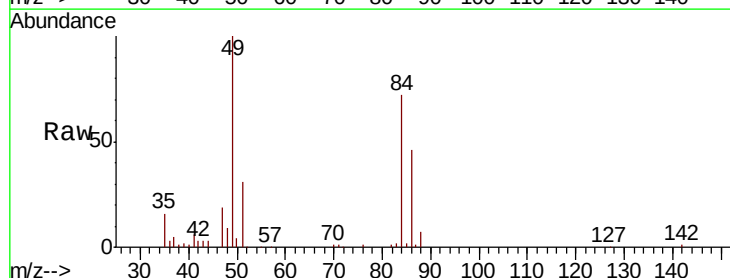
Instrument :
MSVOA_D
ClientSampled :

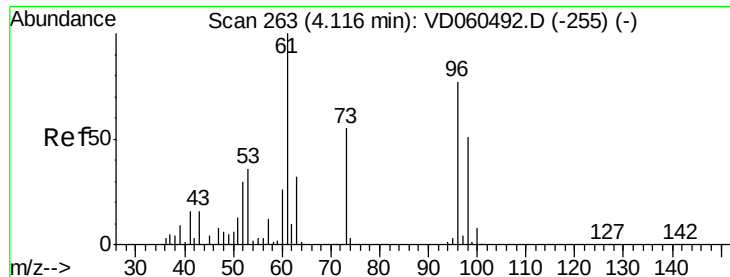
Tot Ion: 73 Resp: 431762
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6



#20
Methylene Chloride
Concen: 21.898 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 84 Resp: 380205
Ion Ratio Lower Upper
84 100
49 138.1 117.2 175.8
51 43.4 35.3 52.9
86 64.0 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.159 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

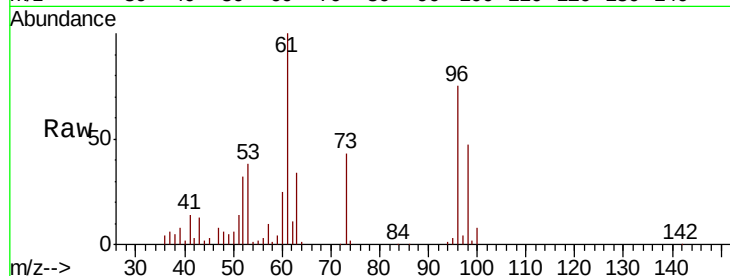
Tot Ion: 96 Resp: 343463

Ion Ratio Lower Upper

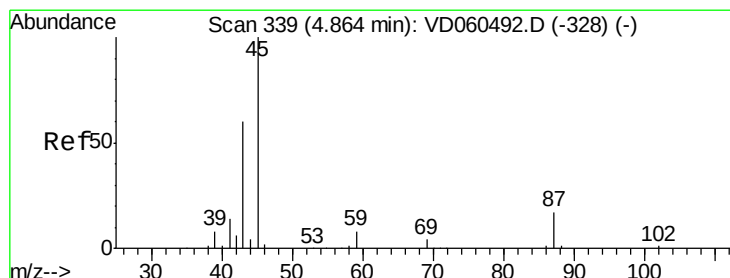
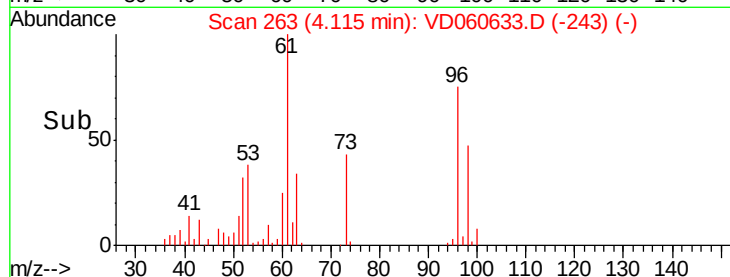
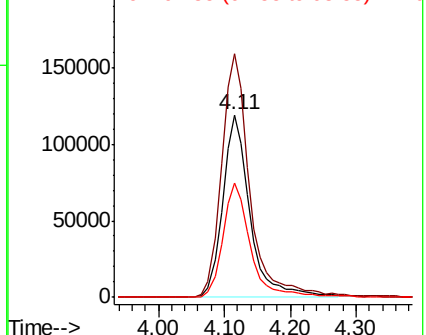
96 100

61 133.5 104.2 156.4

98 63.0 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: 21.376 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Tgt Ion: 45 Resp: 1086627

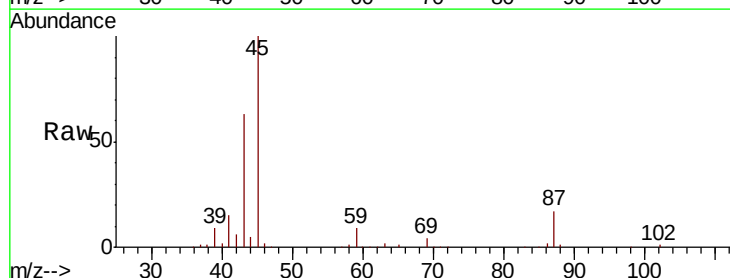
Ion Ratio Lower Upper

45 100

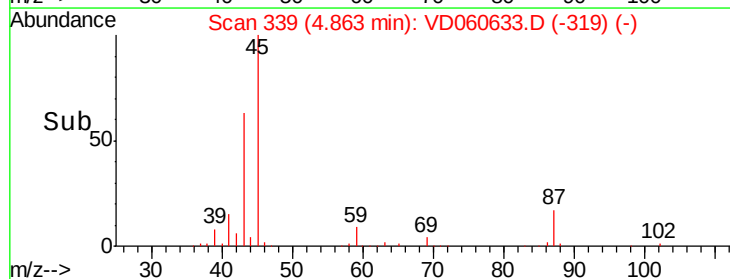
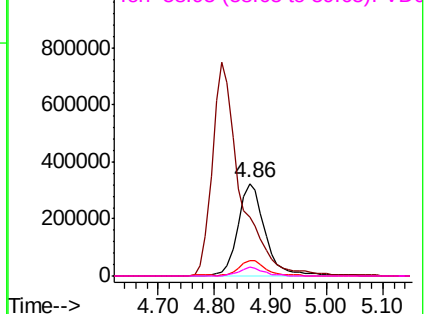
43 63.3 48.6 73.0

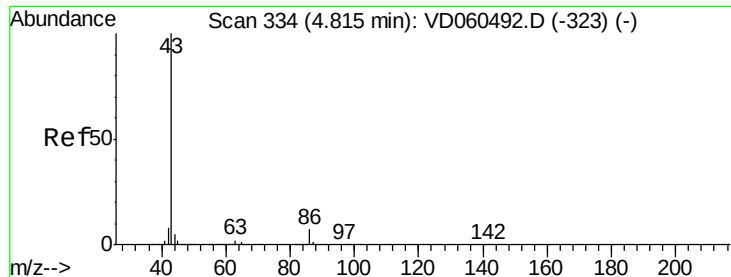
87 17.1 14.0 21.0

59 9.3 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: 103.374 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

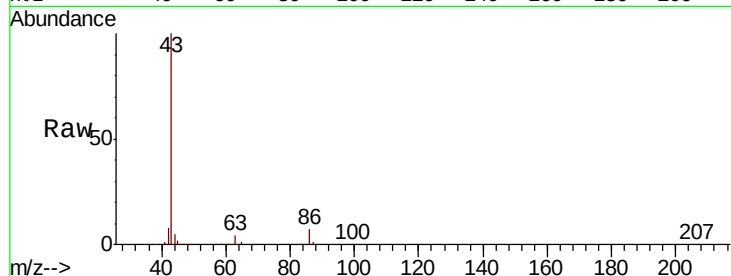
ClientSampleId :

Tot Ion: 43 Resp: 2603581

Ion Ratio Lower Upper

43 100

86 6.7 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

600000

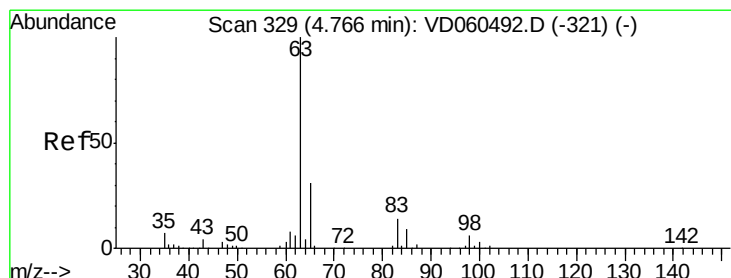
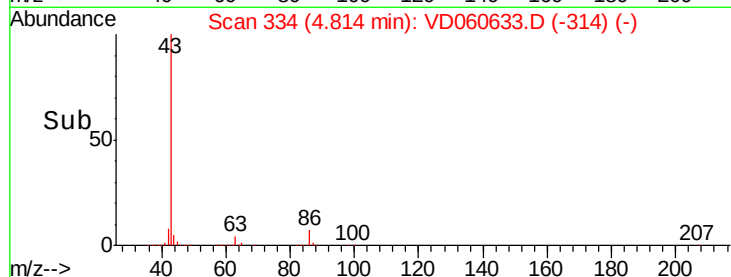
400000

200000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 22.103 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

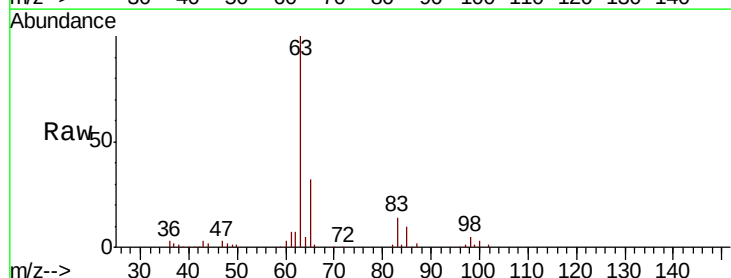
Tgt Ion: 63 Resp: 583712

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.1 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

150000

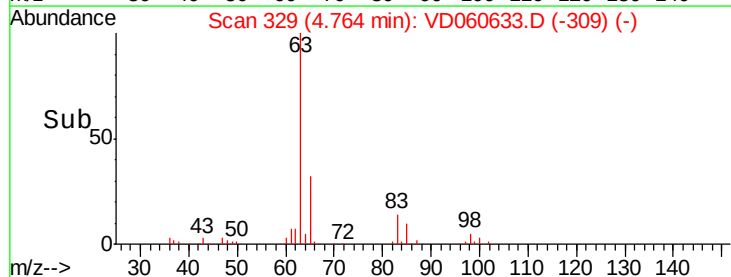
100000

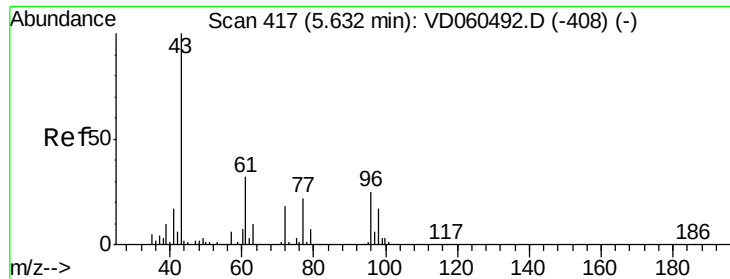
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 99.154 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

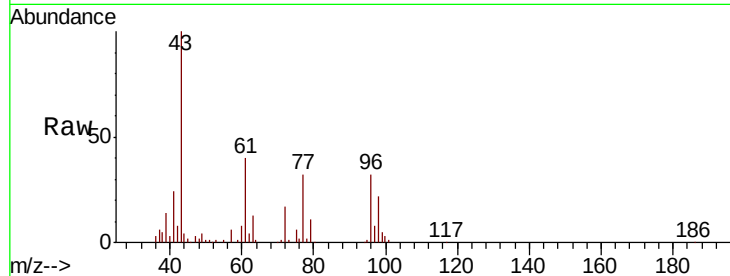
ClientSampleId :

Tot Ion: 43 Resp: 330895

Ion Ratio Lower Upper

43 100

72 16.7 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

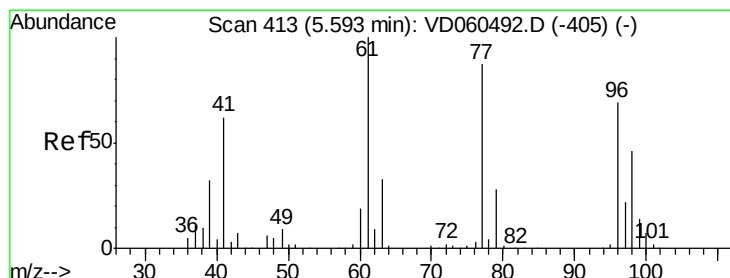
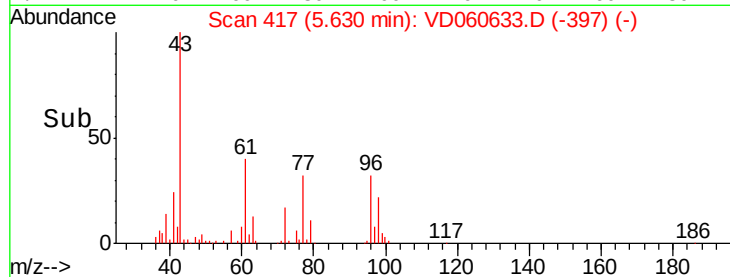
5.63

100000

50000

0

Time--> 5.50 5.60 5.70



#26

2,2-Dichloropropane

Concen: 22.602 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060633.D

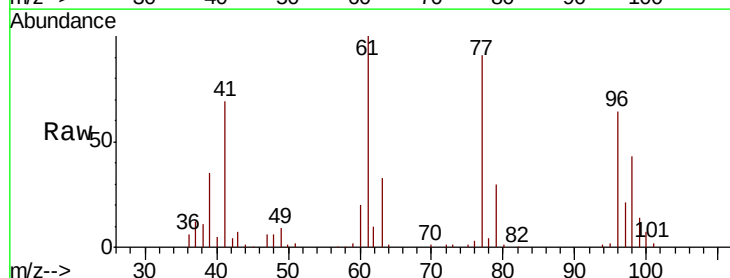
Acq: 19 Dec 2018 11:49

Tgt Ion: 77 Resp: 461099

Ion Ratio Lower Upper

77 100

97 23.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.59

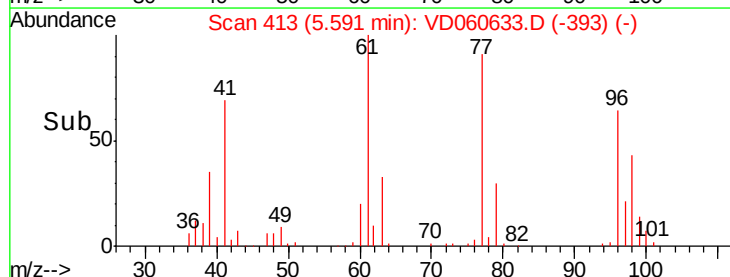
150000

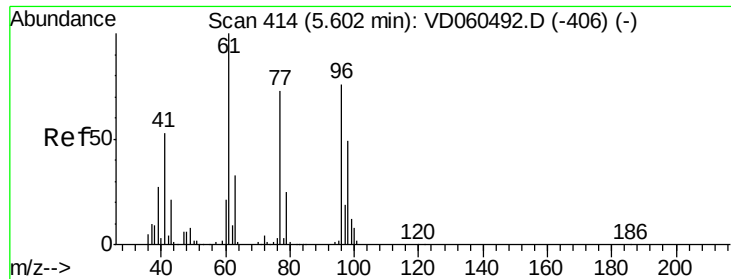
100000

50000

0

Time--> 5.40 5.50 5.60 5.70 5.80



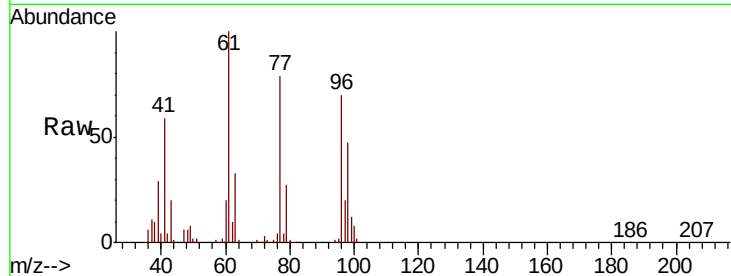


#27

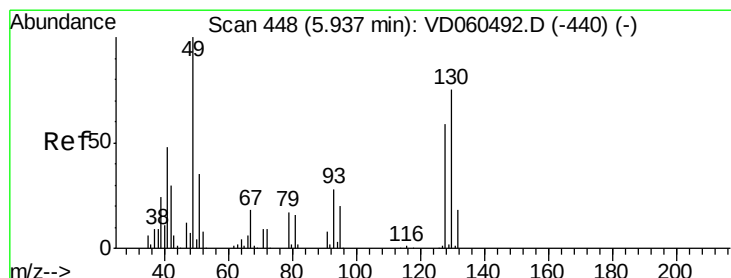
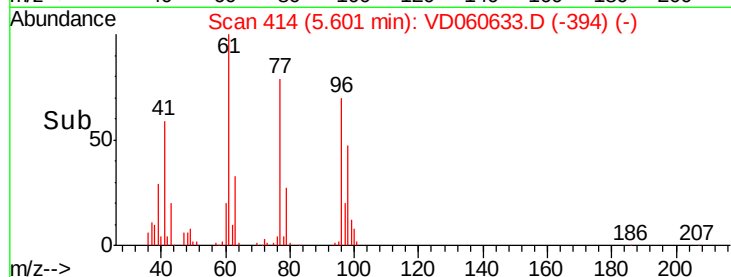
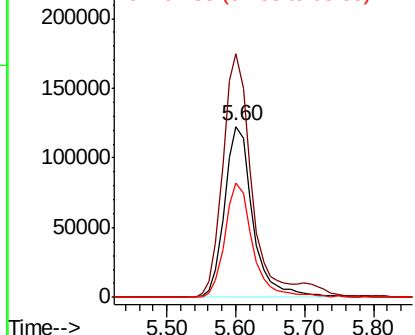
cis-1,2-Dichloroethene
 Concen: 21.189 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	263.6
98	67.1	0.0	128.2



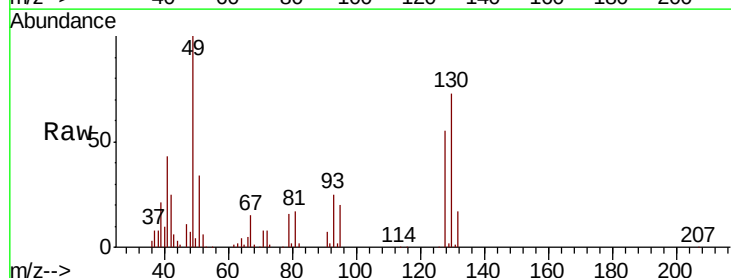
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



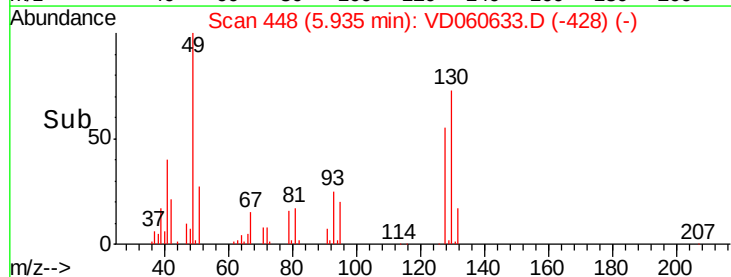
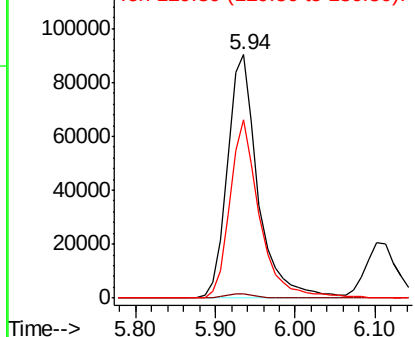
#28

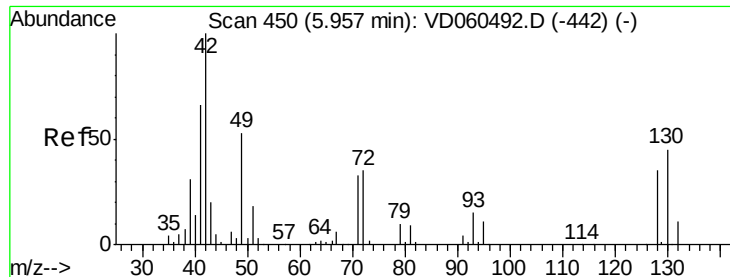
Bromochloromethane
 Concen: 20.707 ug/l
 RT: 5.94 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	73.4	59.8	89.6



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

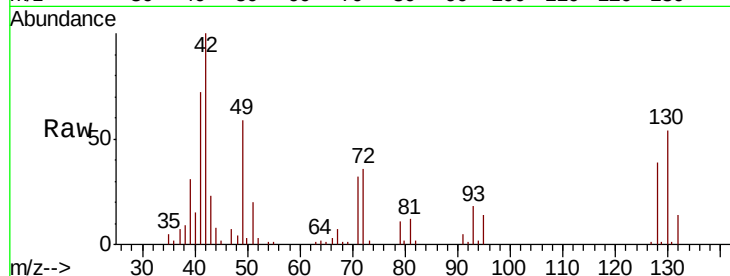




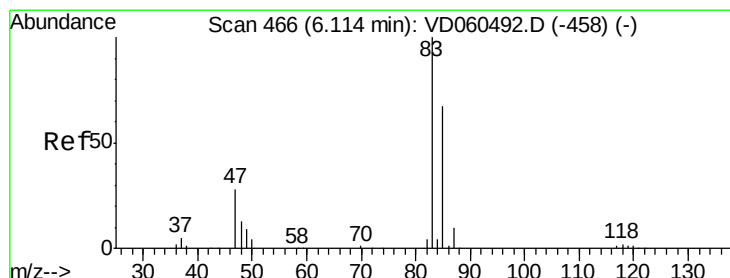
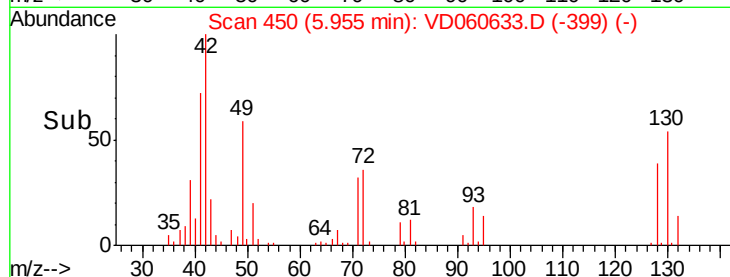
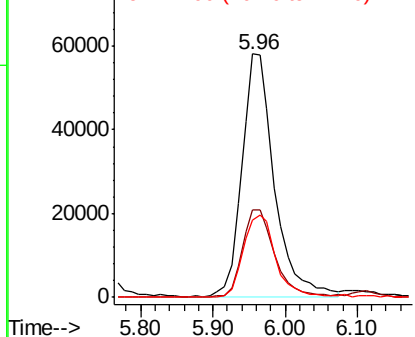
#29
Tetrahydrofuran
Concen: 97.249 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 183777
Ion Ratio Lower Upper
42 100
72 35.9 28.0 42.0
71 33.9 27.2 40.8

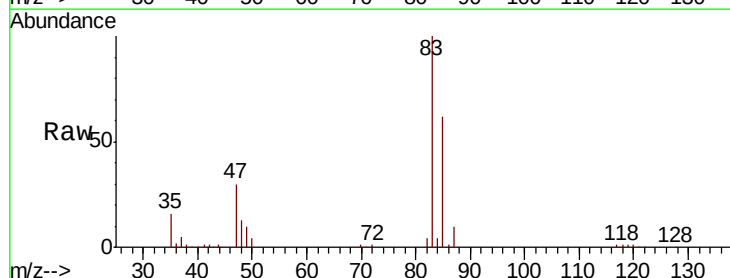


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

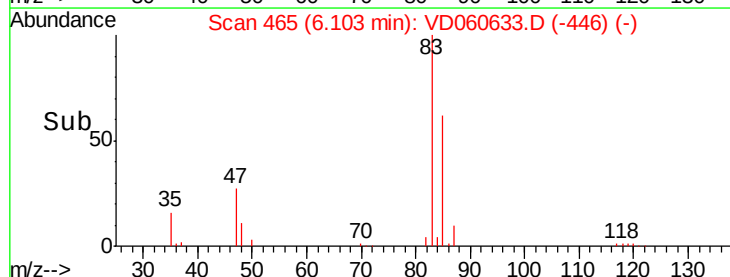
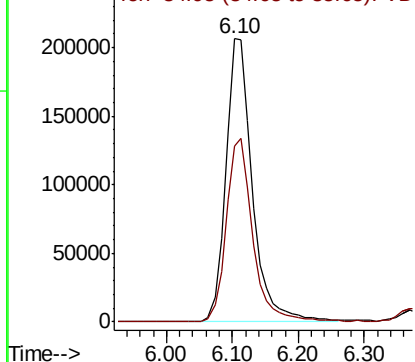


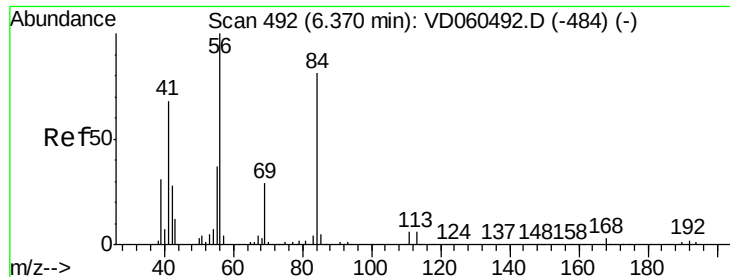
#30
Chloroform
Concen: 21.860 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 83 Resp: 581581
Ion Ratio Lower Upper
83 100
85 62.2 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

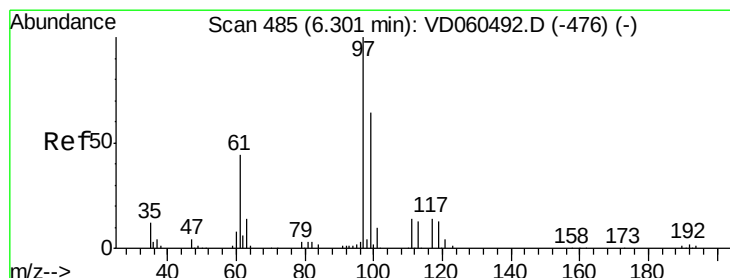
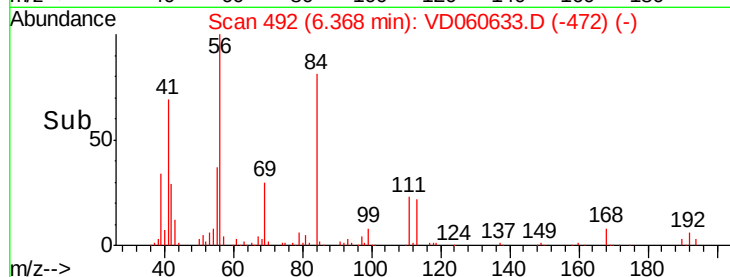
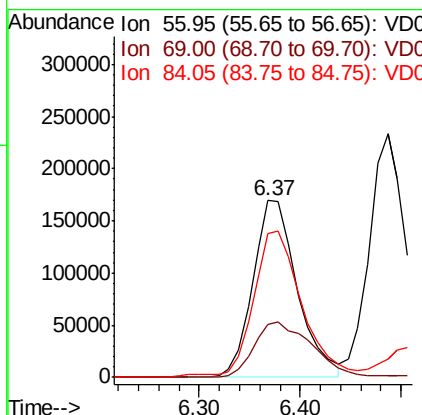
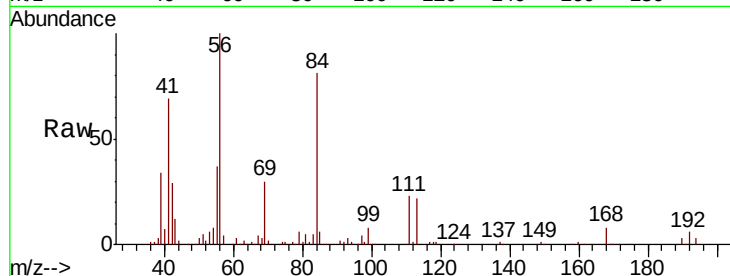




#31
Cyclohexane
Concen: 20.733 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

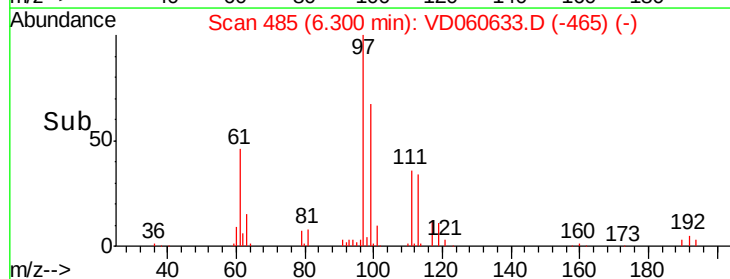
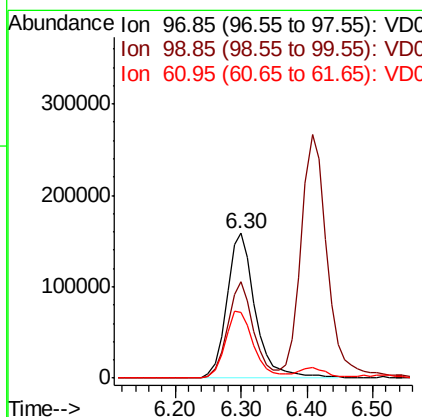
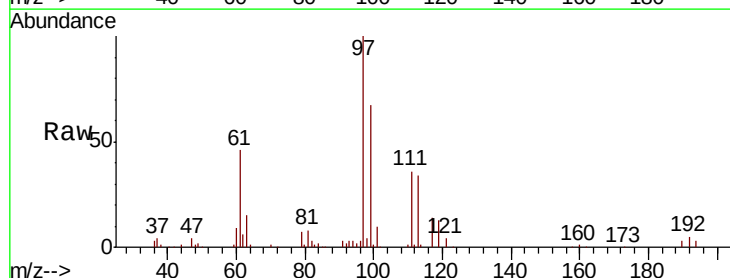
Instrument :
MSVOA_D
ClientSampleId :

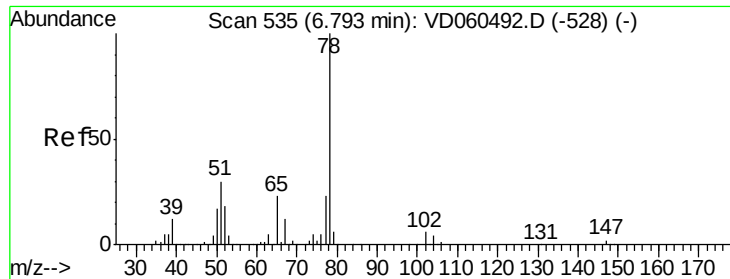
Tot Ion	56	Resp	518837
Ion	Ratio	Lower	Upper
56	100		
69	29.8	22.8	34.2
84	81.0	65.1	97.7



#32
1,1,1-Trichloroethane
Concen: 21.763 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	97	Resp	475993
Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.0	76.4
61	45.6	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 21.763 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

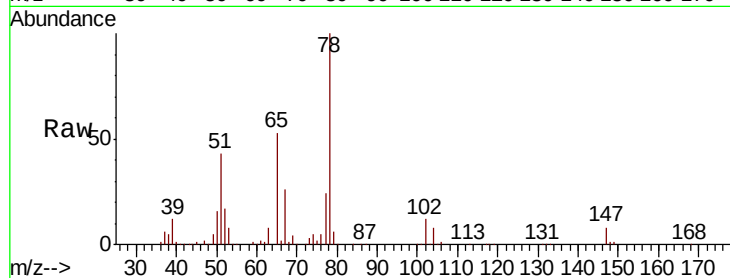
ClientSampleId :

Tot Ion: 65 Resp: 548440

Ion Ratio Lower Upper

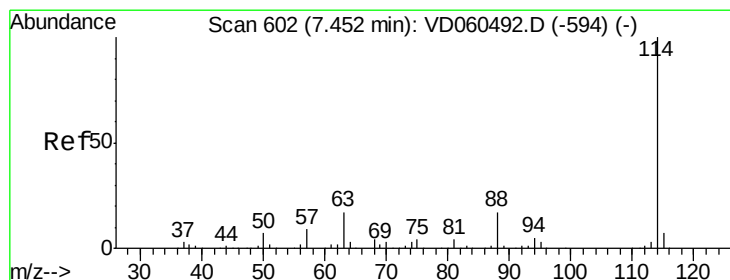
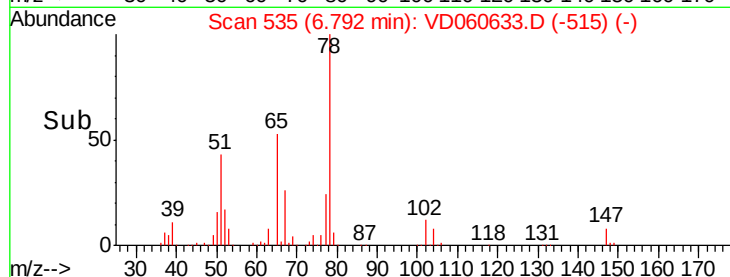
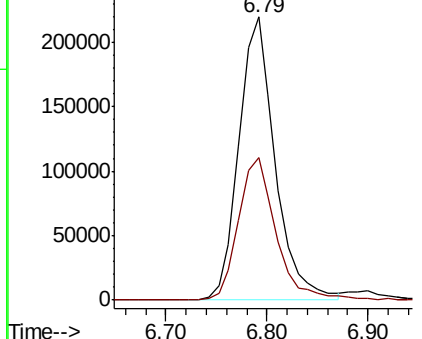
65 100

67 50.3 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

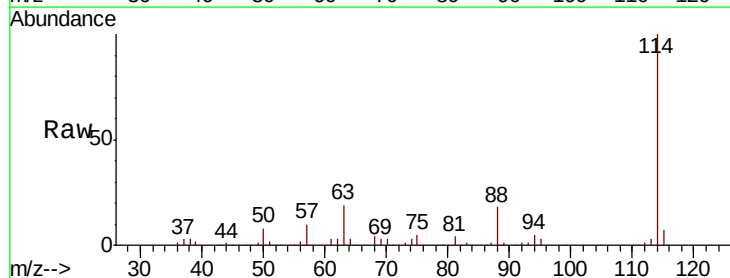
Tgt Ion: 114 Resp: 2055928

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.2

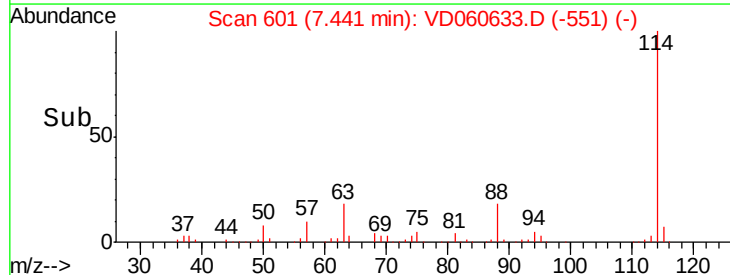
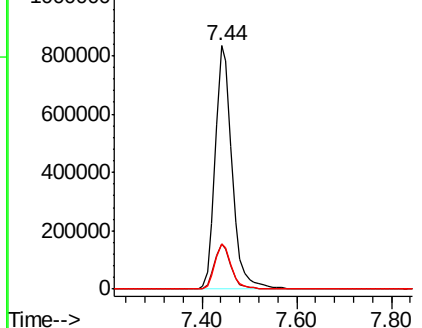
88 18.3 0.0 35.0

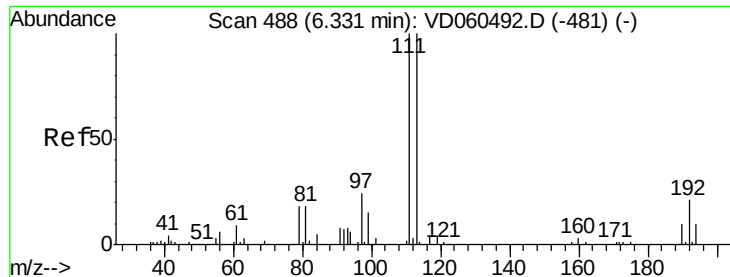


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

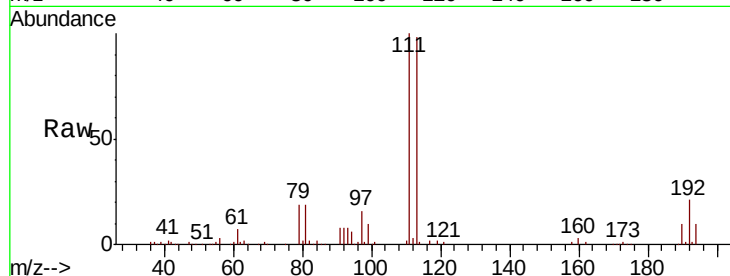
Tot Ion:113 Resp: 794448

Ion Ratio Lower Upper

113 100

111 102.4 80.2 120.4

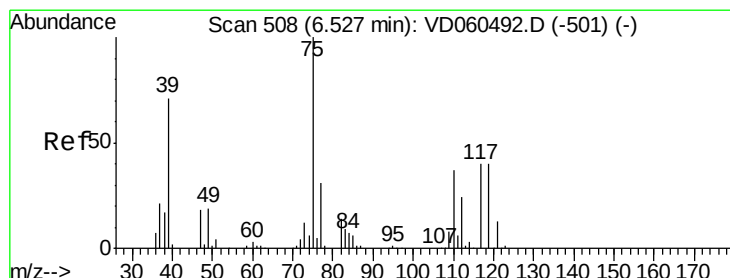
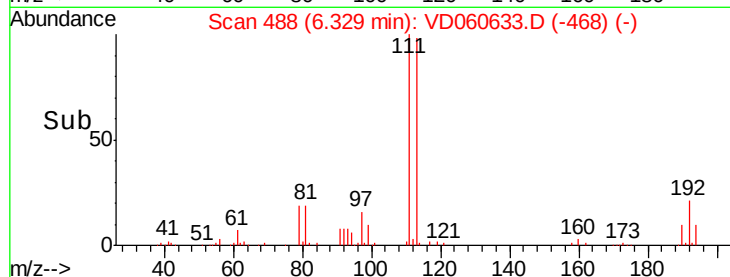
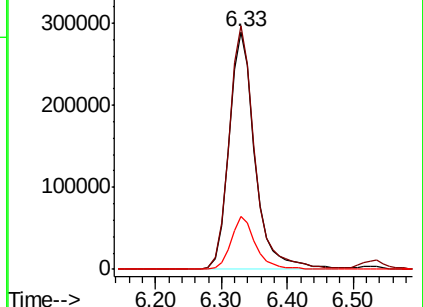
192 22.0 16.6 24.8



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: 22.657 ug/l

RT: 6.53 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

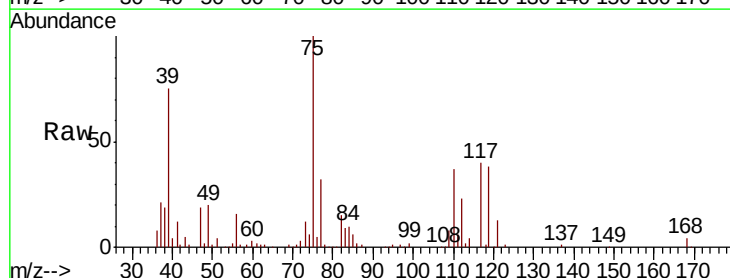
Tgt Ion: 75 Resp: 455324

Ion Ratio Lower Upper

75 100

110 36.6 18.3 54.8

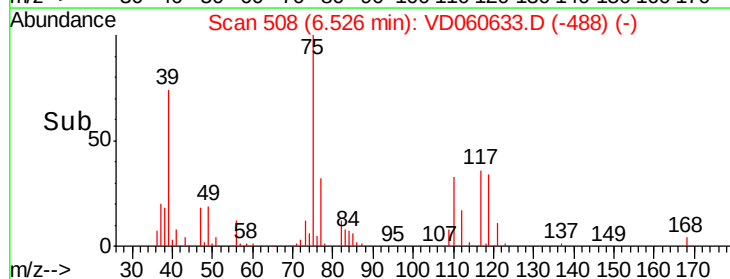
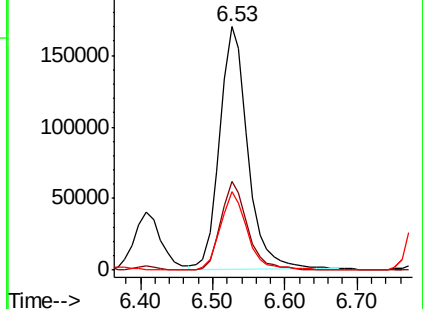
77 32.1 24.6 37.0

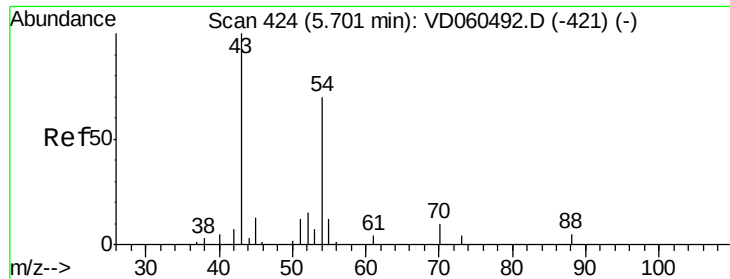


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

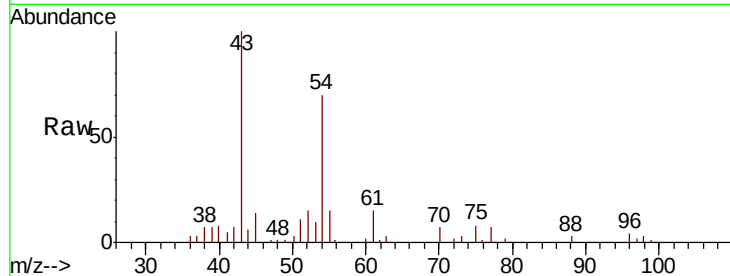




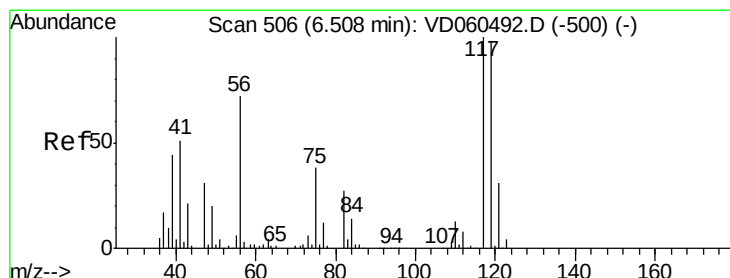
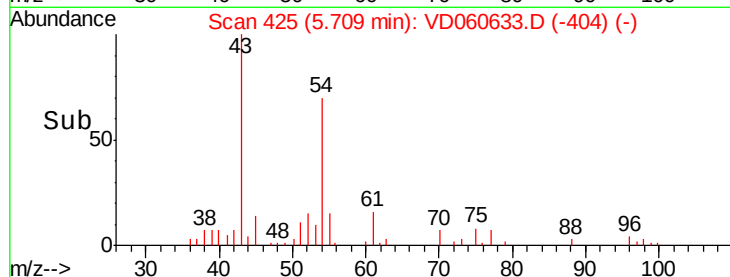
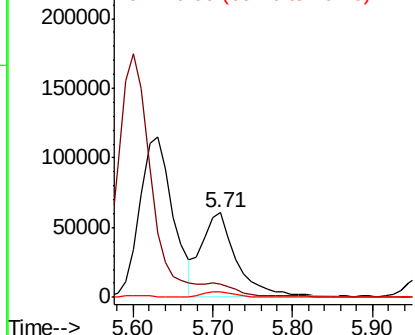
#37
Ethyl Acetate
Concen: 20.771 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 181030
Ion Ratio Lower Upper
43 100
61 15.5 12.4 18.6
70 7.0 5.4 8.0

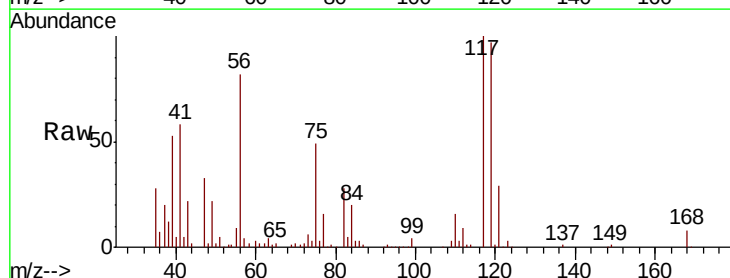


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

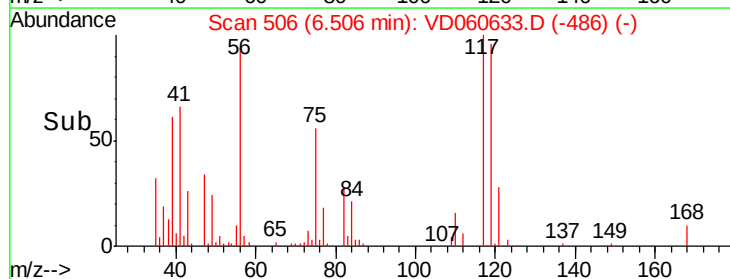
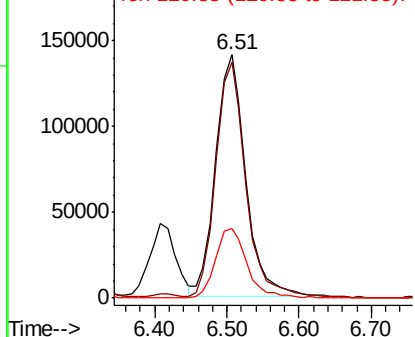


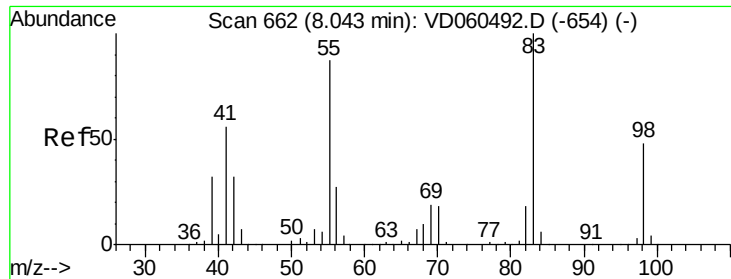
#38
Carbon Tetrachloride
Concen: 22.484 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 117 Resp: 405651
Ion Ratio Lower Upper
117 100
119 96.7 76.8 115.2
121 28.6 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

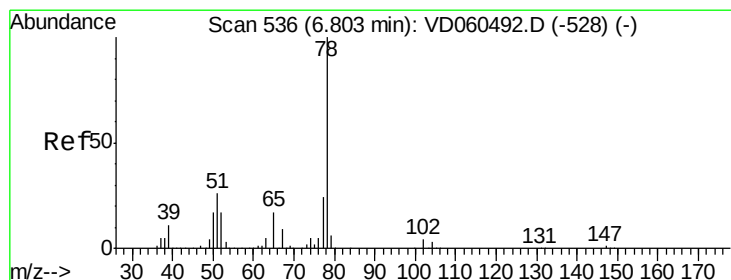
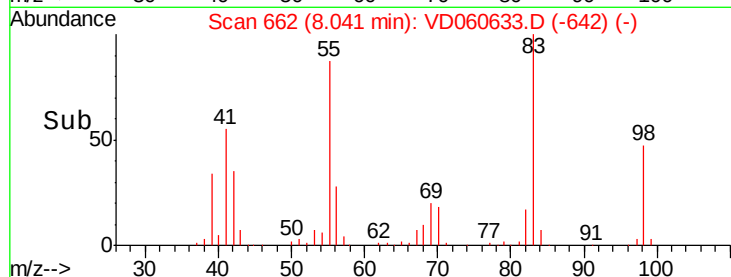
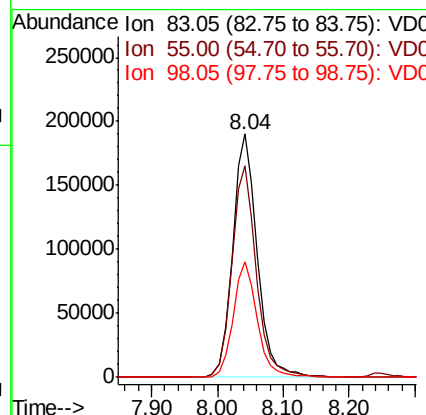
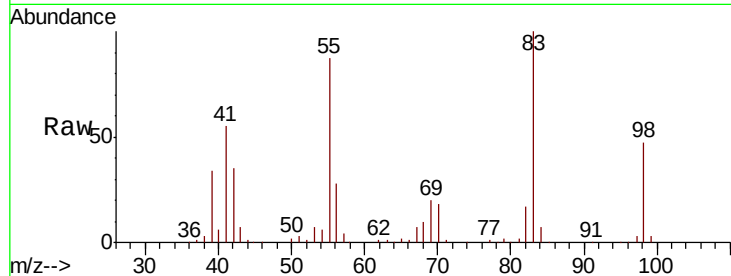




#39
Methylvlcyclohexane
Concen: 21.673 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

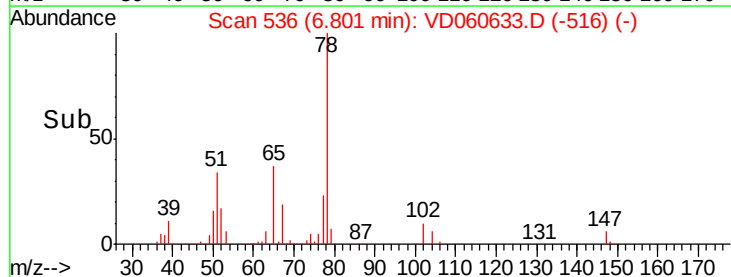
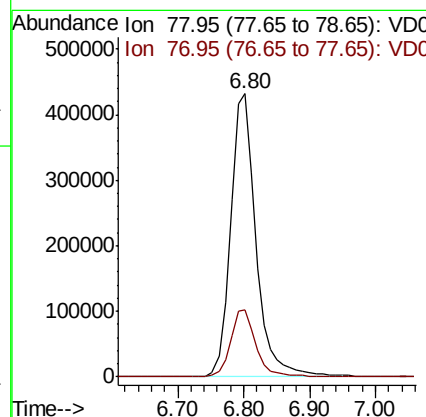
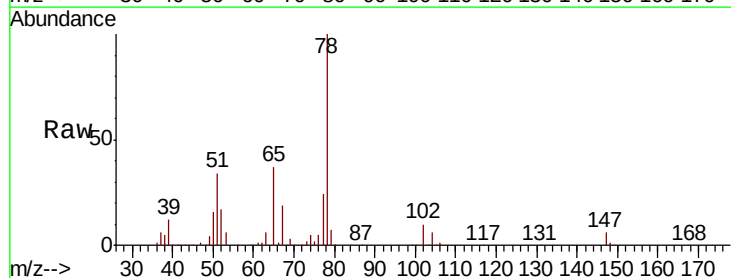
Instrument :
MSVOA_D
ClientSampleId :

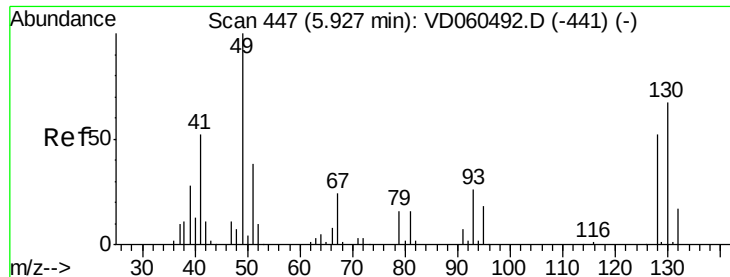
Tot Ion: 83 Resp: 496508
Ion Ratio Lower Upper
83 100
55 87.0 69.8 104.8
98 47.4 38.4 57.6



#40
Benzene
Concen: 22.596 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 78 Resp: 1160517
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

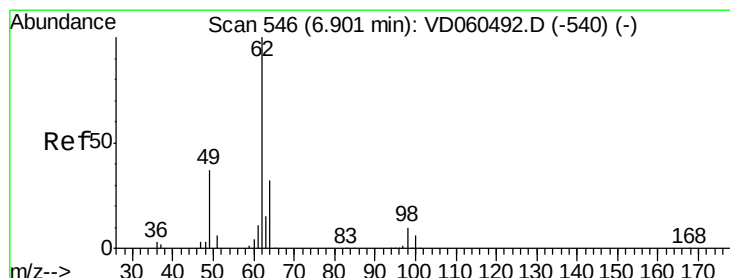
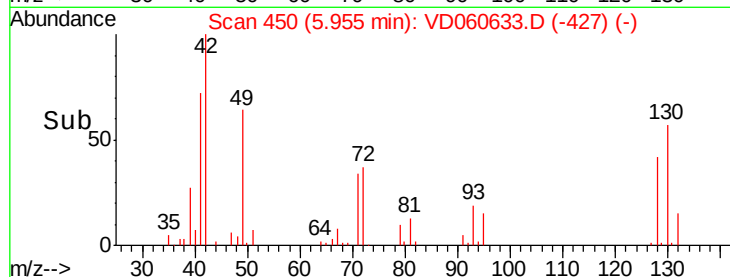
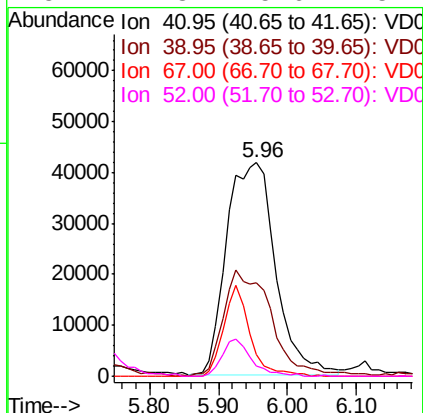
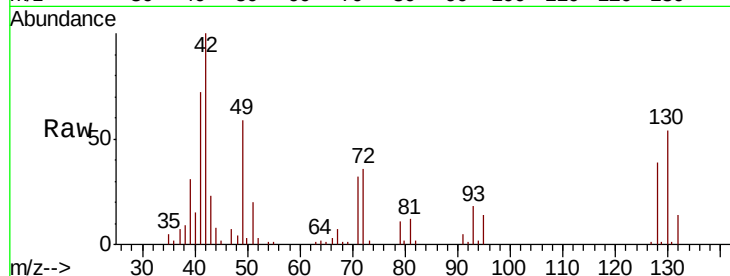




#41
Methacrylonitrile
Concen: 43.502 ug/l
RT: 5.96 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

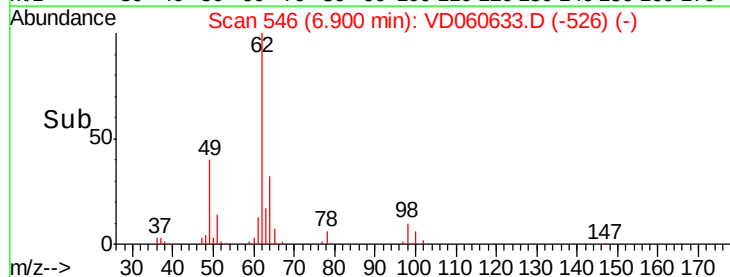
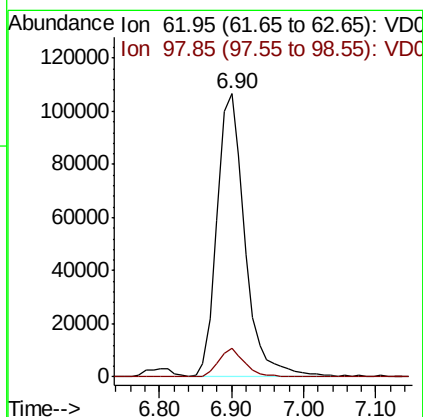
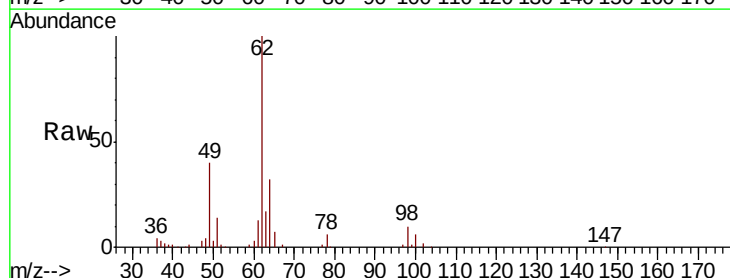
Instrument :
MSVOA_D
ClientSampleID :

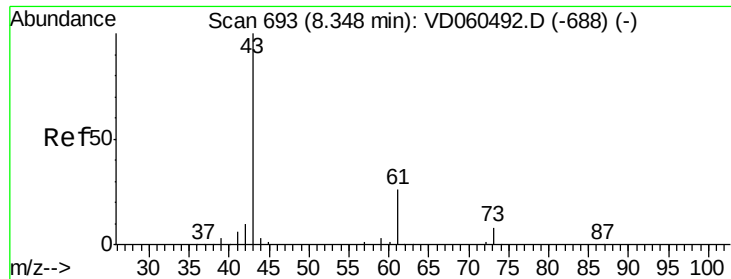
Tot Ion	Ratio	Lower	Upper
41	100		
39	43.6	42.6	63.8
67	10.3	36.2	54.4#
52	4.8	15.6	23.4#



#42
1,2-Dichloroethane
Concen: 21.622 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.522 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampled :

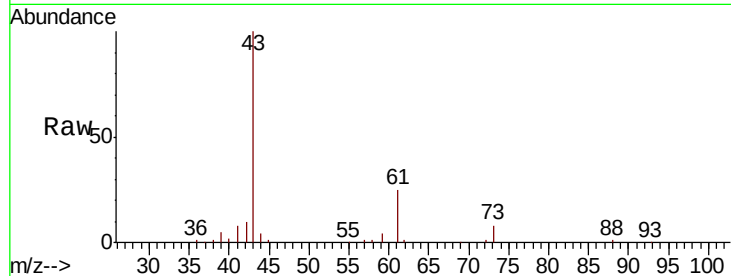
Tot Ion: 43 Resp: 210030

Ion Ratio Lower Upper

43 100

61 25.0 21.0 31.4

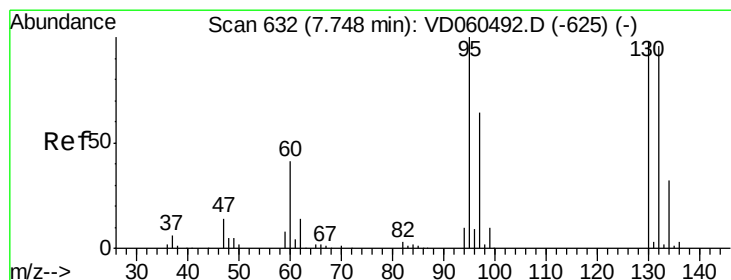
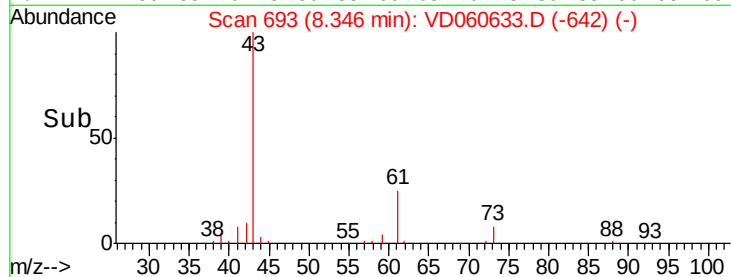
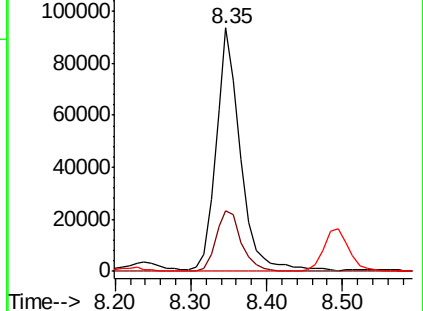
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.977 ug/l

RT: 7.74 min Scan# 631

Delta R.T. -0.01 min

Lab File: VD060633.D

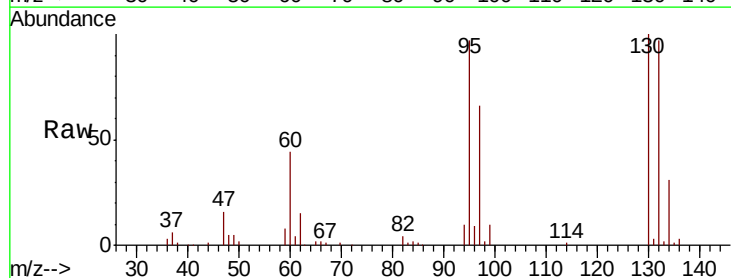
Acq: 19 Dec 2018 11:49

Tgt Ion:130 Resp: 337332

Ion Ratio Lower Upper

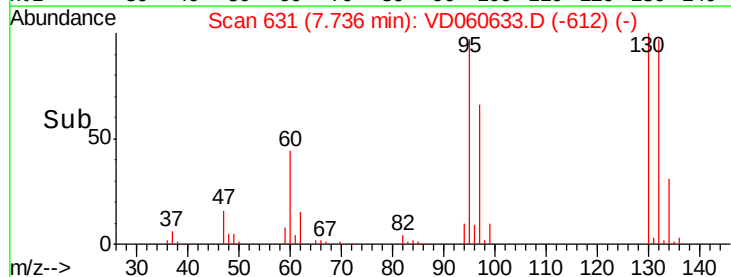
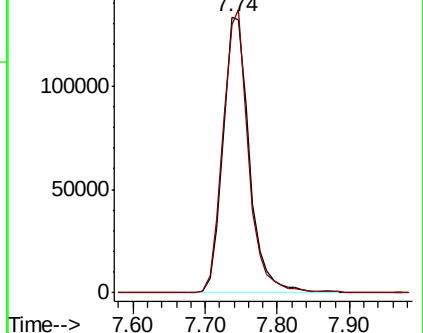
130 100

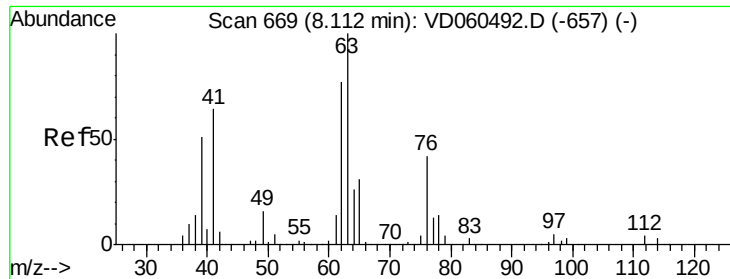
95 97.3 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

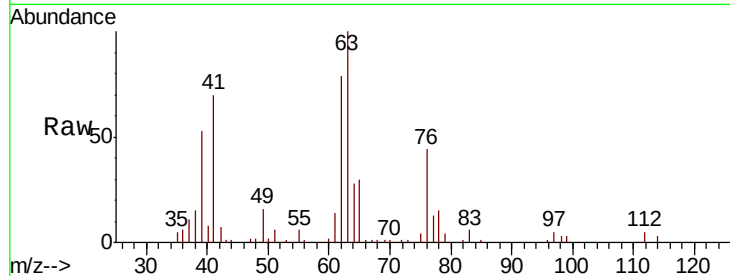




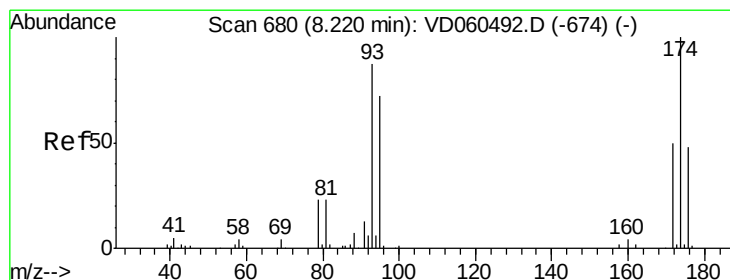
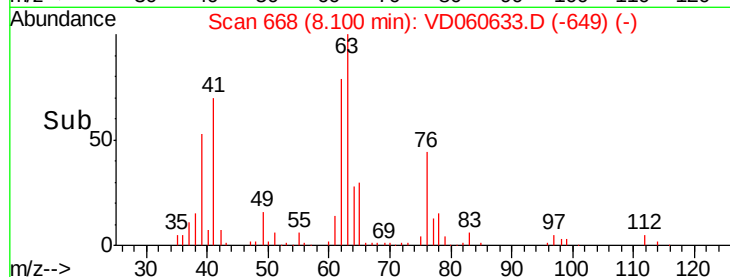
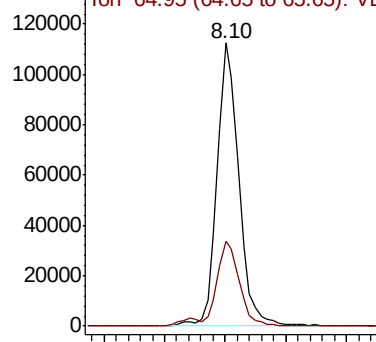
#45
 1,2-Dichloropropane
 Concen: 22.162 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 63 Resp: 281512
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0

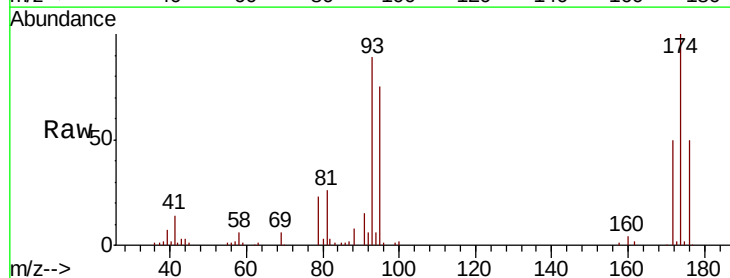


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

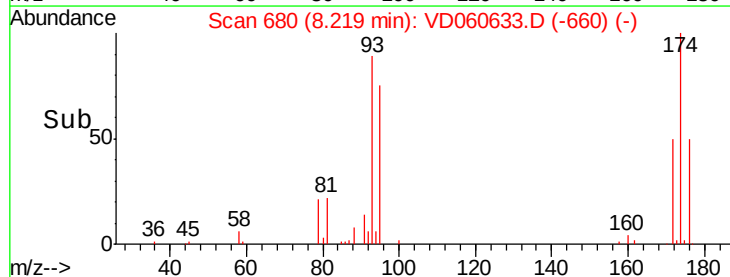
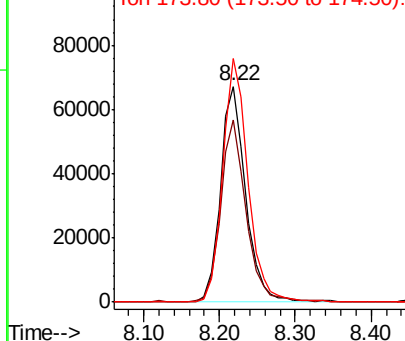


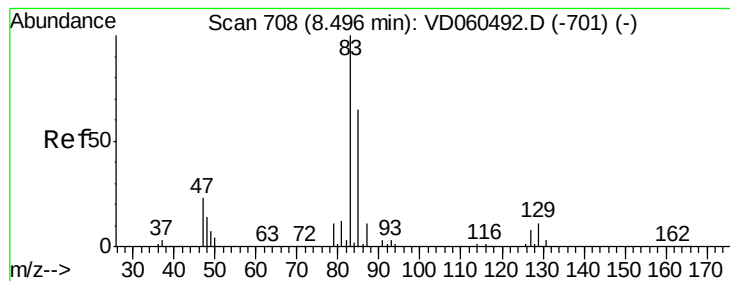
#46
 Dibromomethane
 Concen: 21.157 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 93 Resp: 155272
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.6 98.4
 174 113.0 91.7 137.5



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.915 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

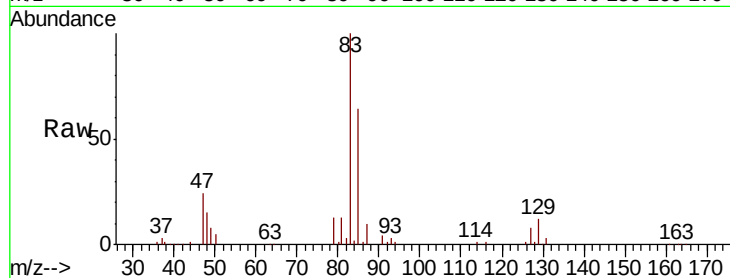
Tot Ion: 83 Resp: 381618

Ion Ratio Lower Upper

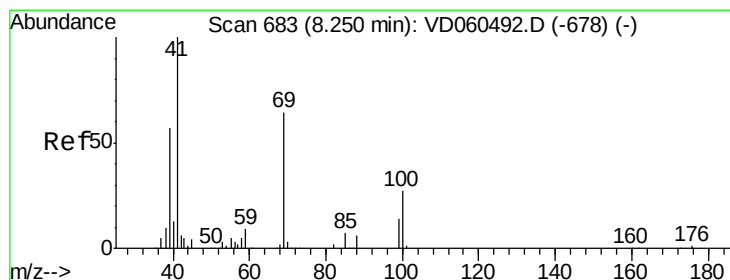
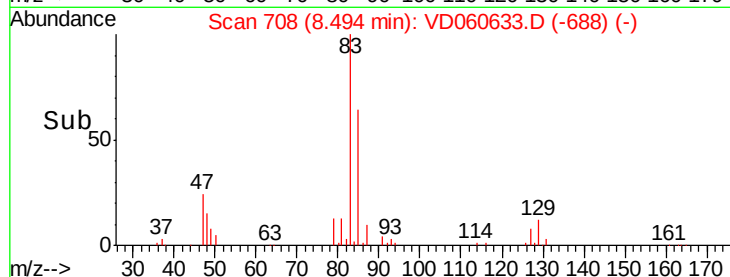
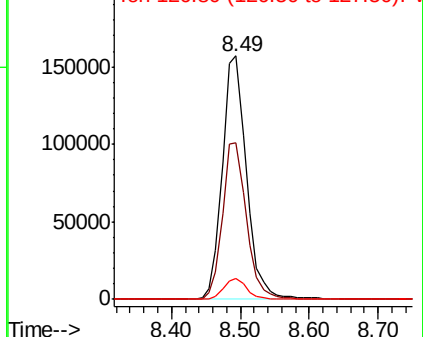
83 100

85 64.2 52.2 78.4

127 8.5 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: 20.309 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

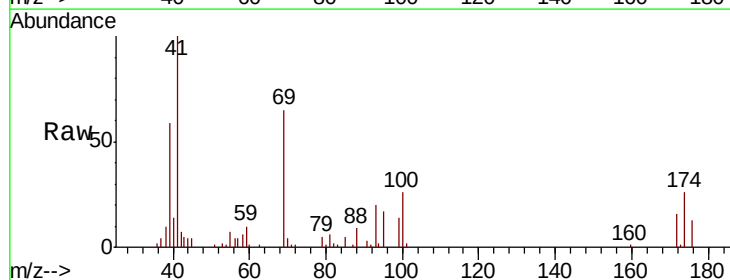
Tgt Ion: 41 Resp: 129283

Ion Ratio Lower Upper

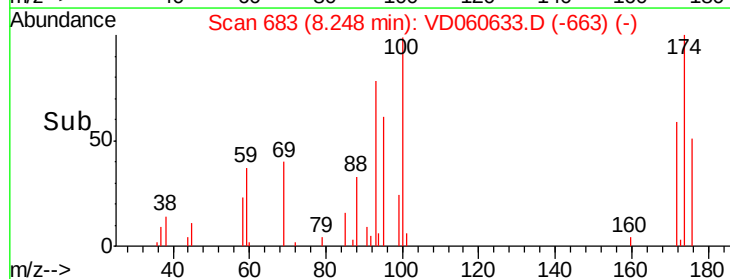
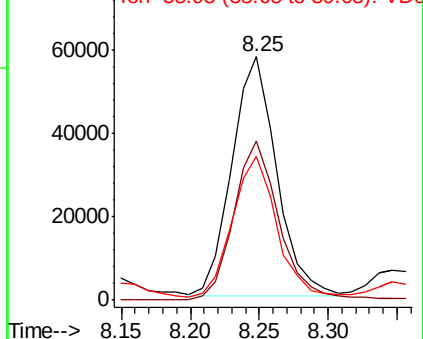
41 100

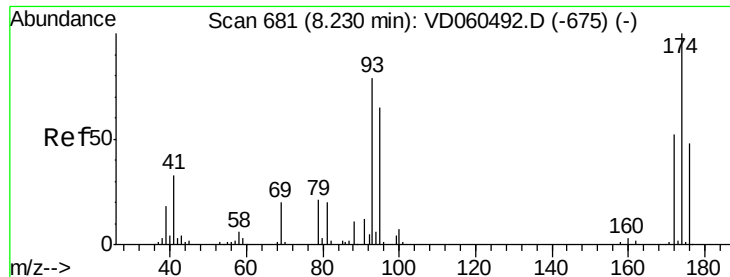
69 65.2 50.2 75.4

39 59.2 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

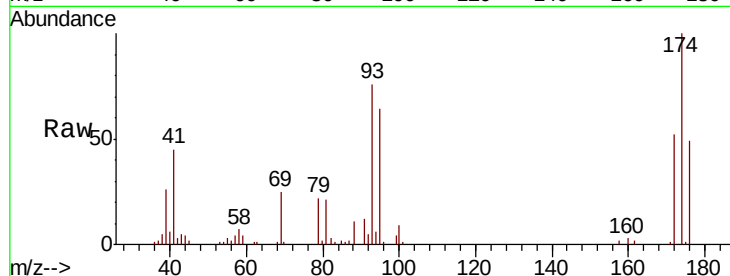




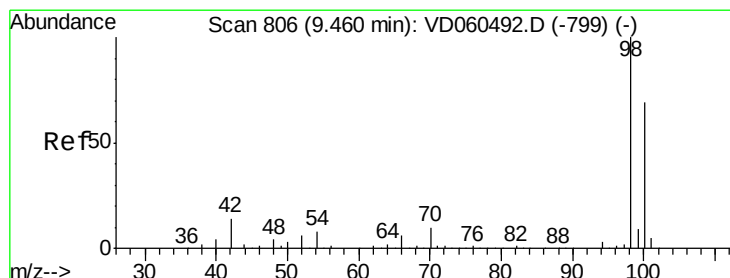
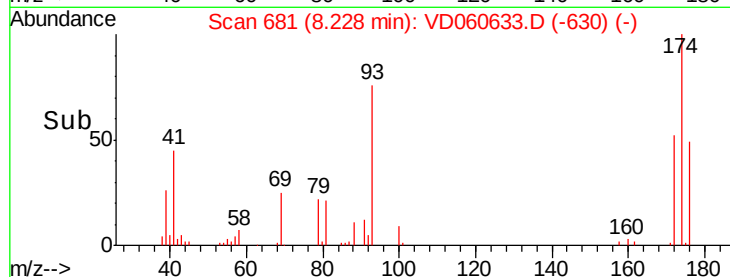
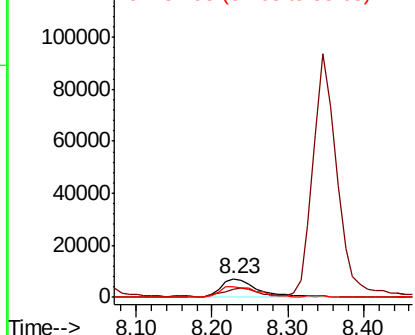
#49
1,4-Dioxane
Concen: 415.823 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 23991
Ion Ratio Lower Upper
88 100
43 45.6 32.9 49.3
58 59.2 47.7 71.5

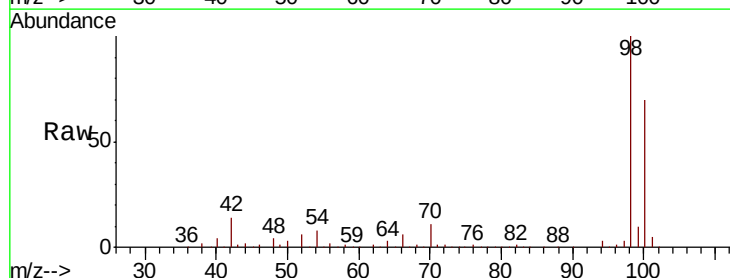


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

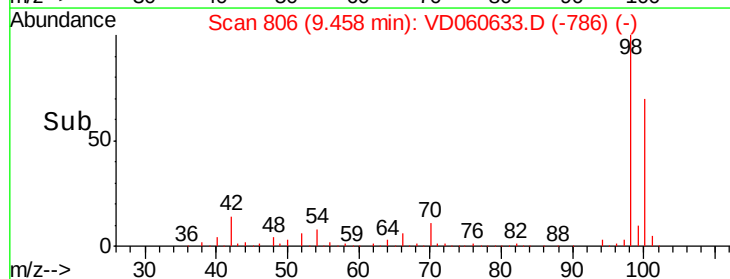
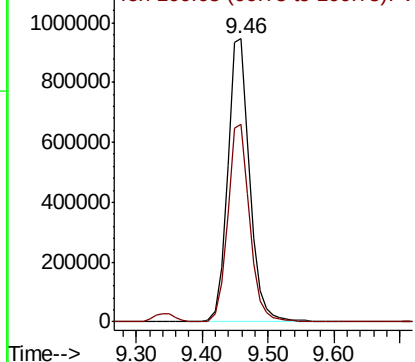


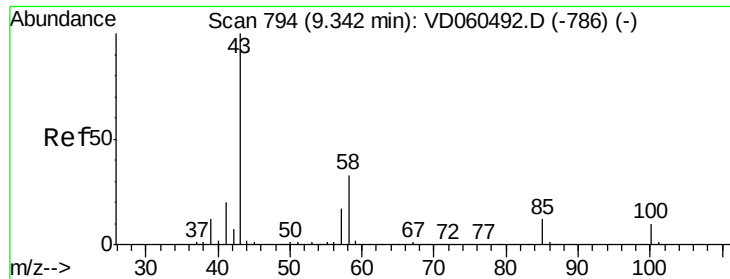
#50
Toluene-d8
Concen: 415.823 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 98 Resp: 2201693
Ion Ratio Lower Upper
98 100
100 69.6 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: 101.988 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

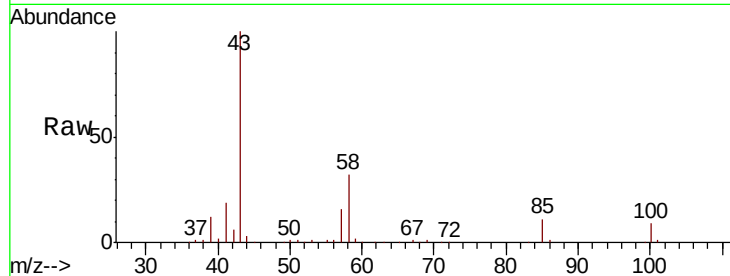
ClientSampled :

Tot Ion: 43 Resp: 682539

Ion Ratio Lower Upper

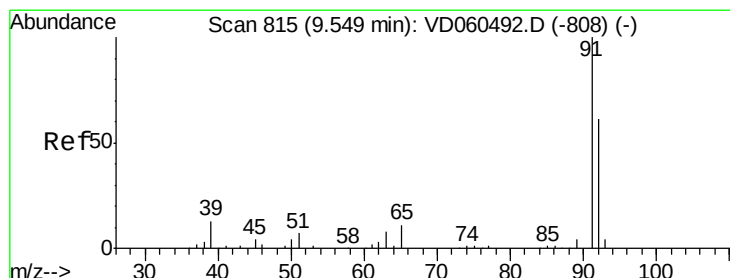
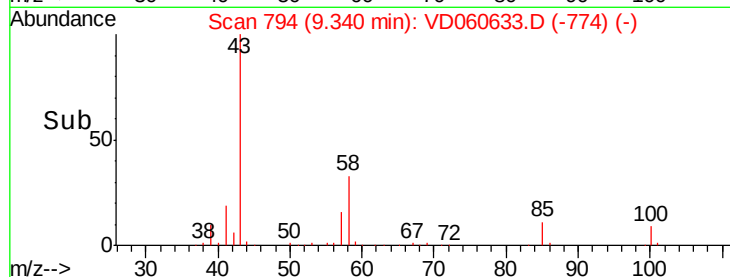
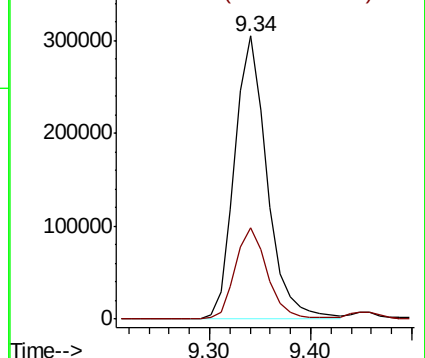
43 100

58 32.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.599 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060633.D

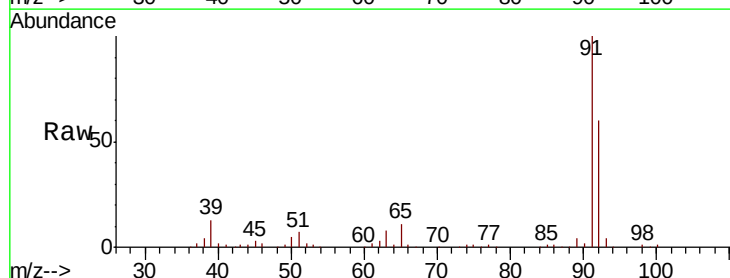
Acq: 19 Dec 2018 11:49

Tgt Ion: 92 Resp: 693370

Ion Ratio Lower Upper

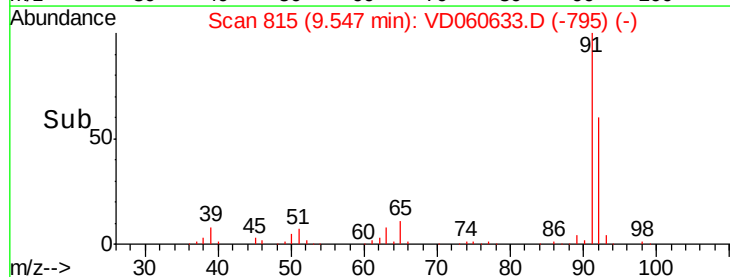
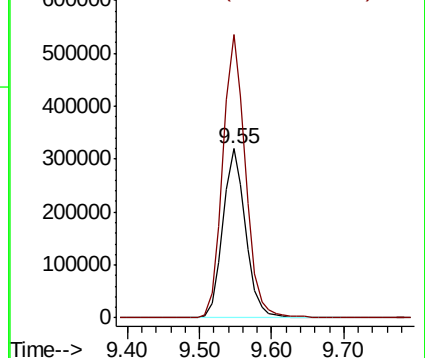
92 100

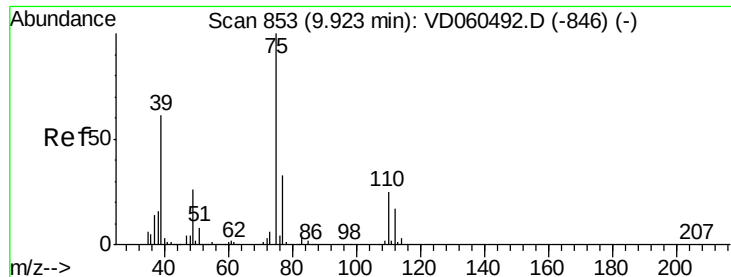
91 167.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.485 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

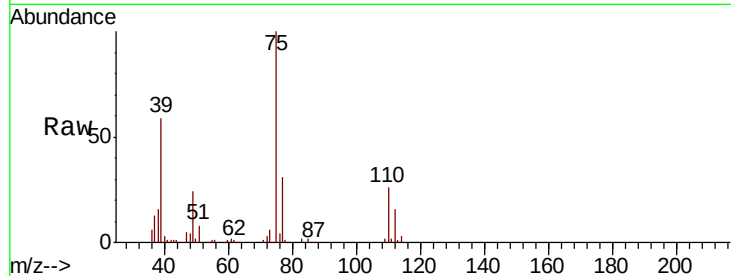
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 307419

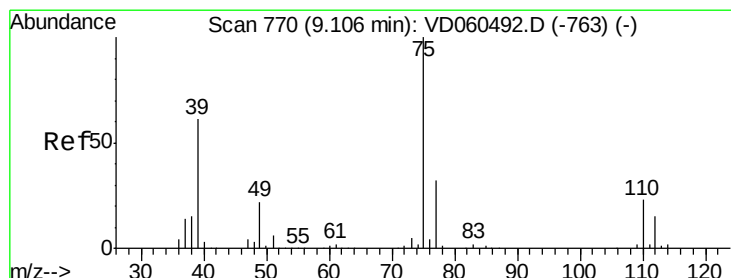
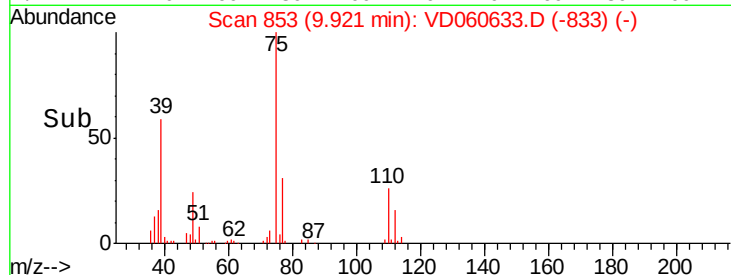
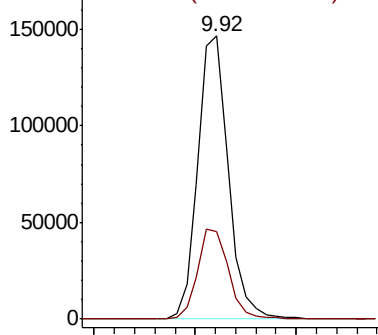
Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.2



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



#54

cis-1,3-Dichloropropene

Concen: 21.542 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

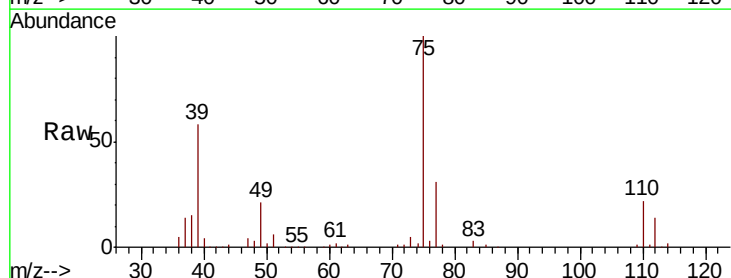
Tgt Ion: 75 Resp: 404984

Ion Ratio Lower Upper

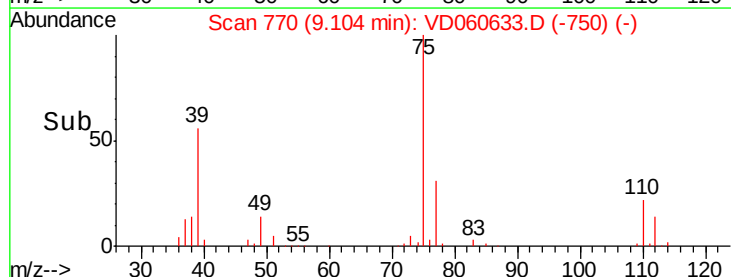
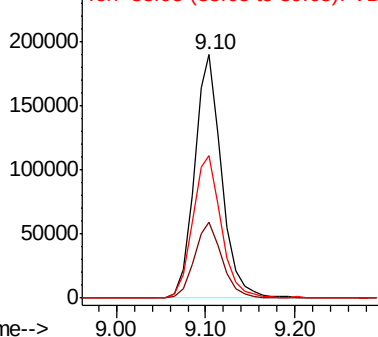
75 100

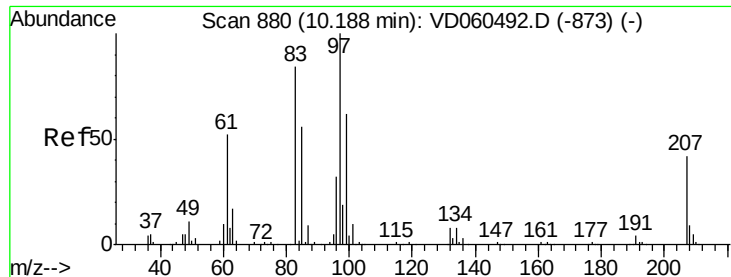
77 31.4 25.6 38.4

39 58.3 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: 21.016 ug/l

RT: 10.18 min Scan# 879

Delta R.T. -0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 187873

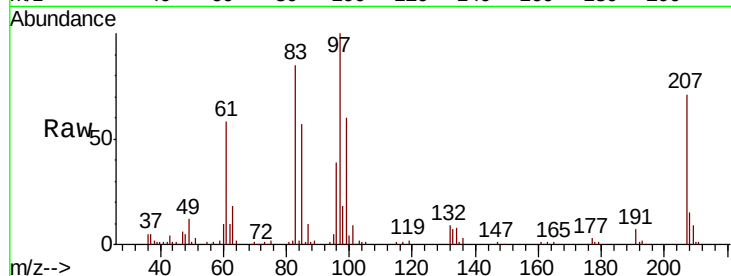
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.2	100.8
85	57.1	44.5	66.7
99	60.3	49.3	73.9

Ion 97 100

83 85.0 67.2 100.8

85 57.1 44.5 66.7

99 60.3 49.3 73.9

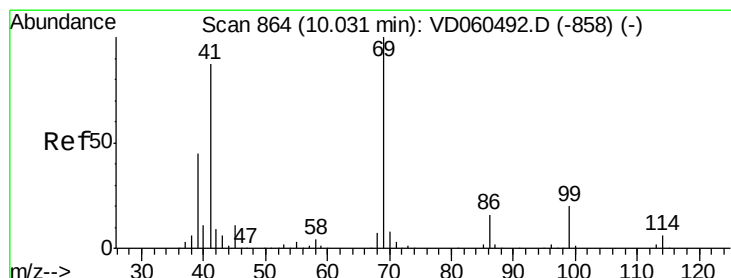
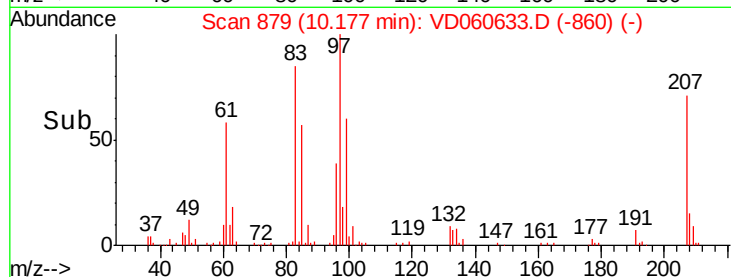
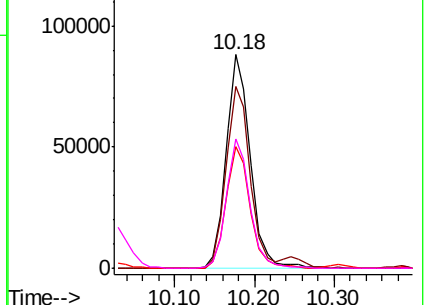


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.058 ug/l

RT: 10.03 min Scan# 864

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

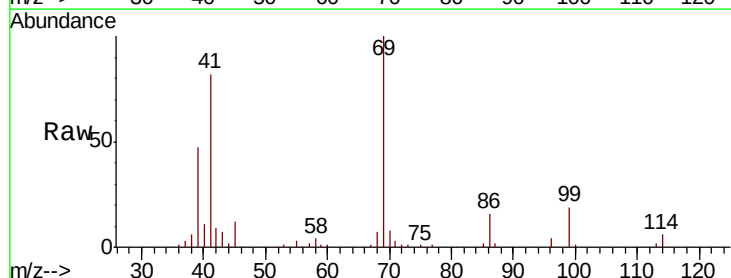
Tgt Ion: 69 Resp: 170367

Ion	Ratio	Lower	Upper
69	100		
41	81.8	69.8	104.8
39	46.7	37.5	56.3

Ion 69 100

41 81.8 69.8 104.8

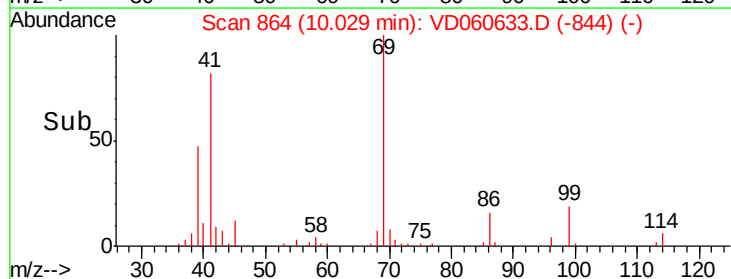
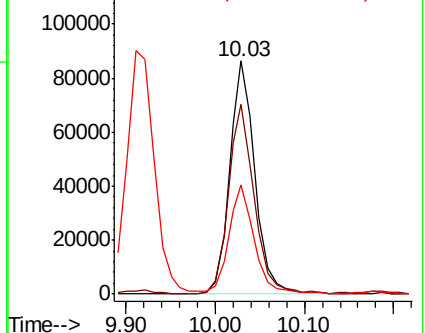
39 46.7 37.5 56.3

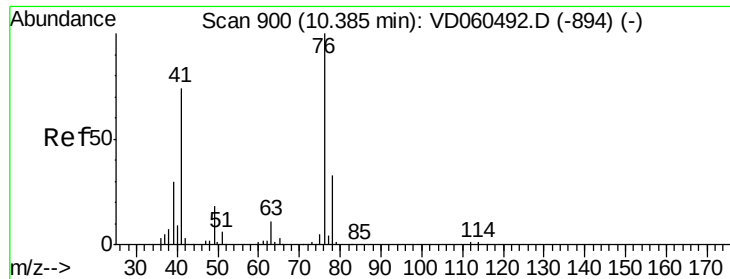


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

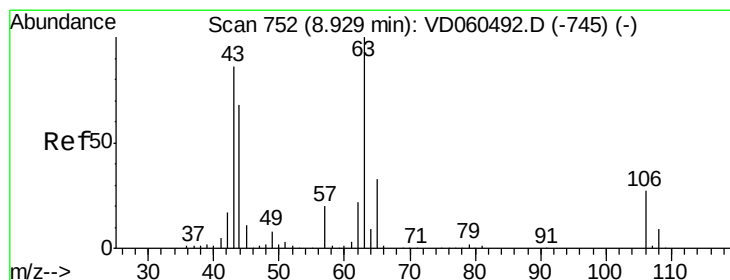
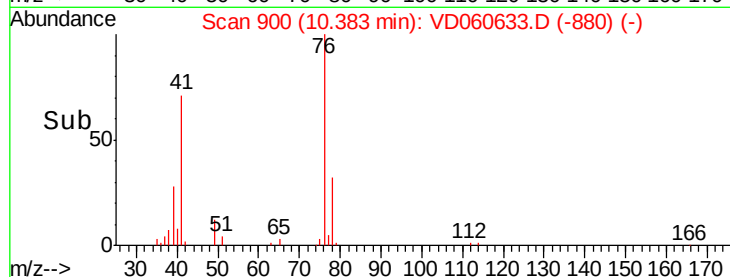
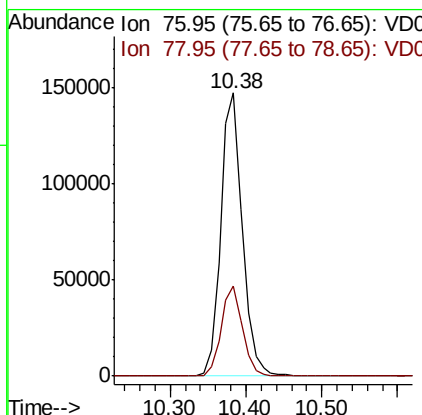
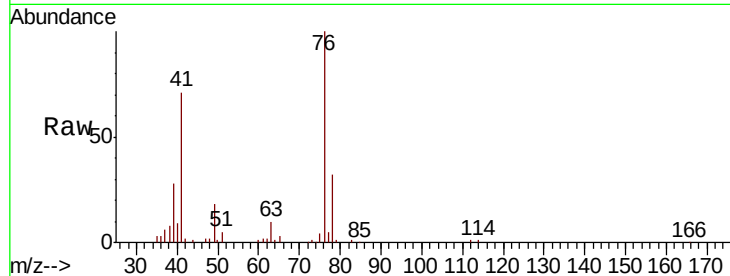




#57
 1,3-Dichloropropane
 Concen: 21.000 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

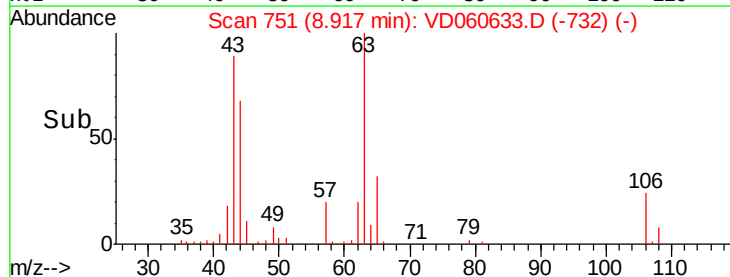
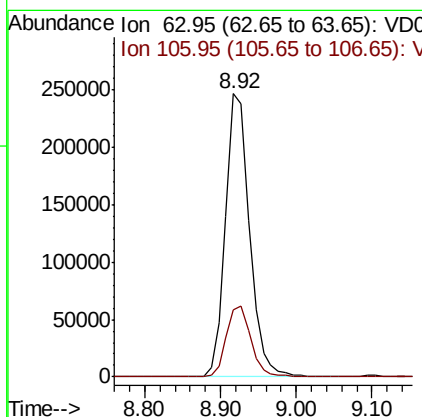
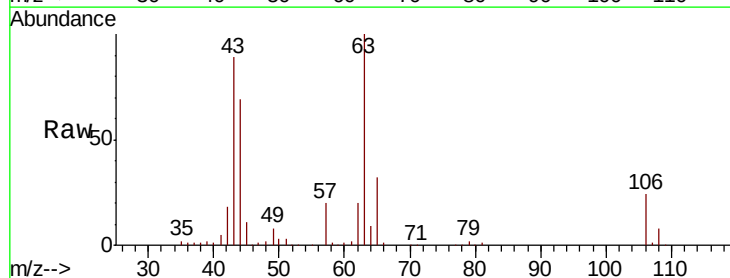
Instrument :
 MSVOA_D
 ClientSampleId :

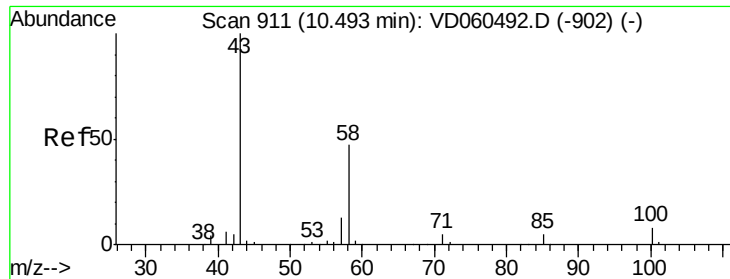
Tot Ion: 76 Resp: 290208
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.592 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 63 Resp: 545049
 Ion Ratio Lower Upper
 63 100
 106 23.9 21.6 32.4

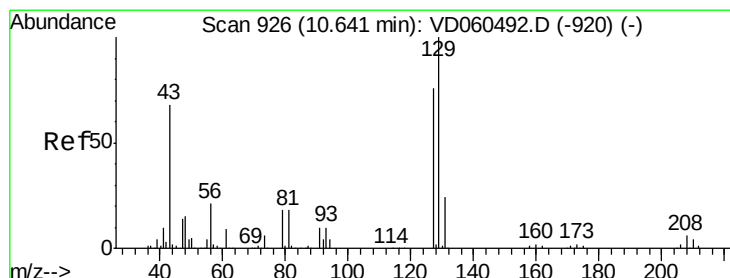
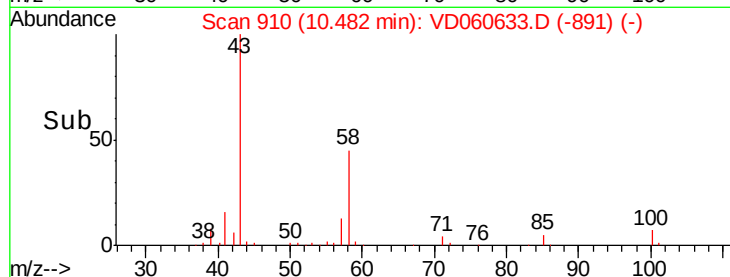
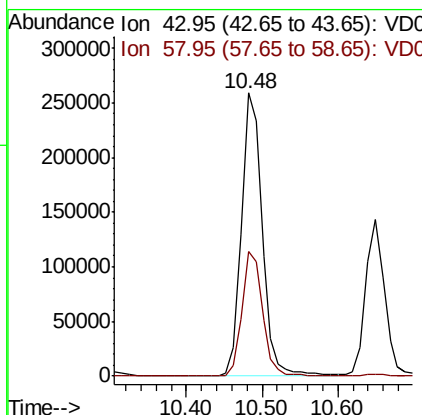
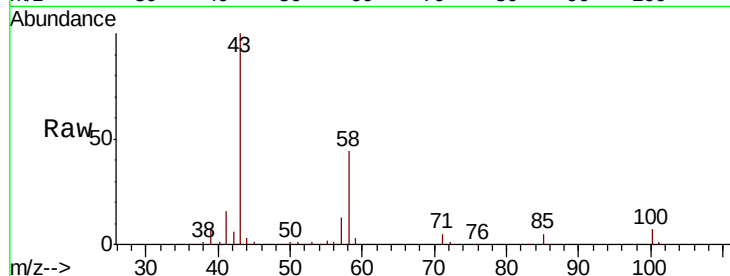




#59
2-Hexanone
Concen: 104.796 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

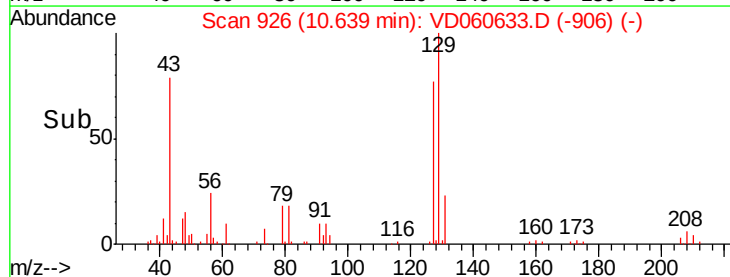
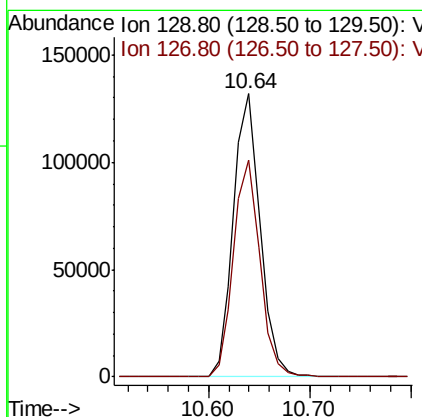
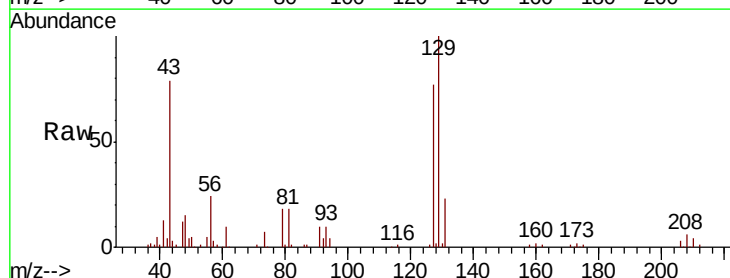
Instrument :
MSVOA_D
ClientSampled :

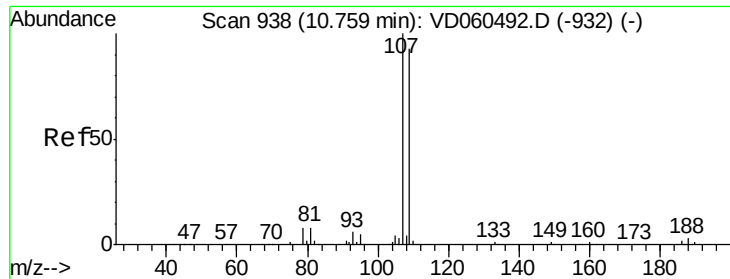
Tot Ion: 43 Resp: 490214
Ion Ratio Lower Upper
43 100
58 44.2 23.4 70.2



#60
Dibromochloromethane
Concen: 21.786 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion:129 Resp: 243504
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3

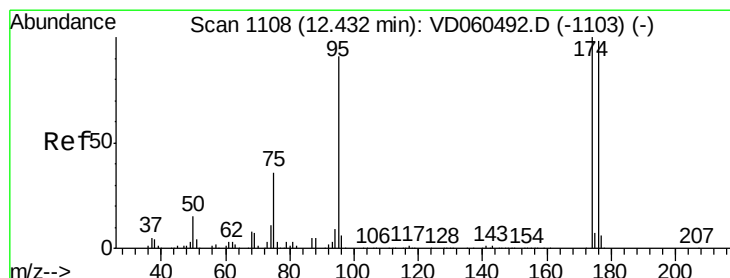
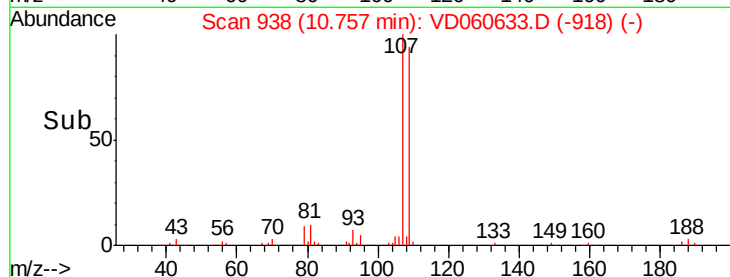
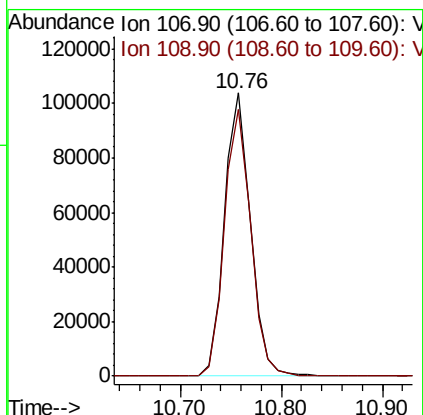
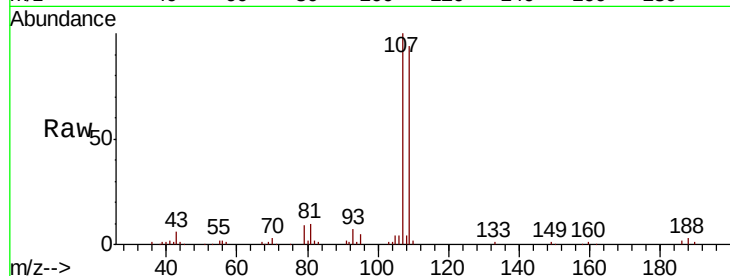




#61
 1,2-Dibromoethane
 Concen: 20.389 ug/l
 RT: 10.76 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

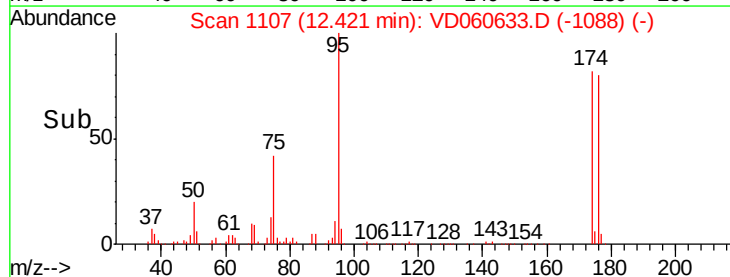
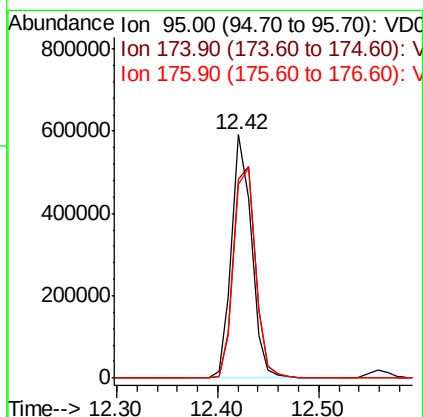
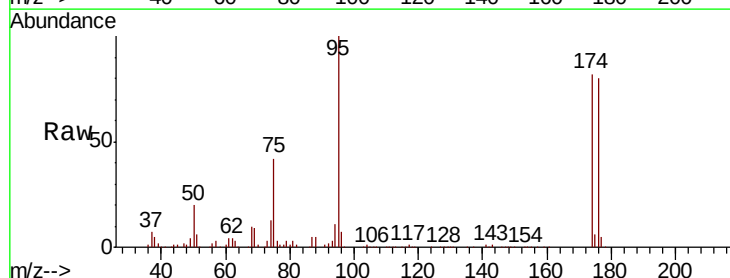
Instrument :
 MSVOA_D
 ClientSampleId :

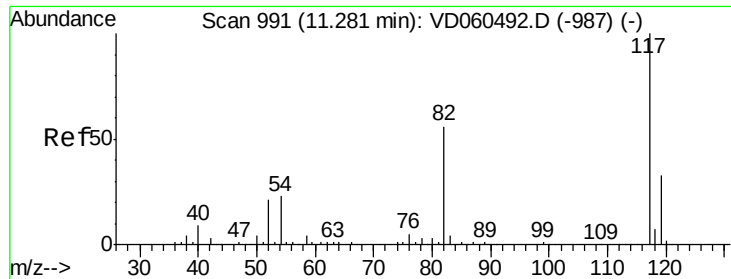
Tot Ion:107 Resp: 185755
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 20.389 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 95 Resp: 814717
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 219.4
 176 79.7 0.0 214.6

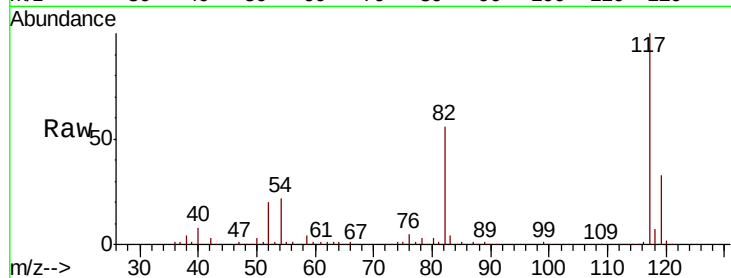




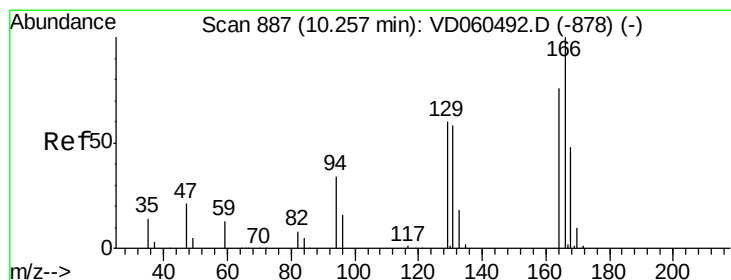
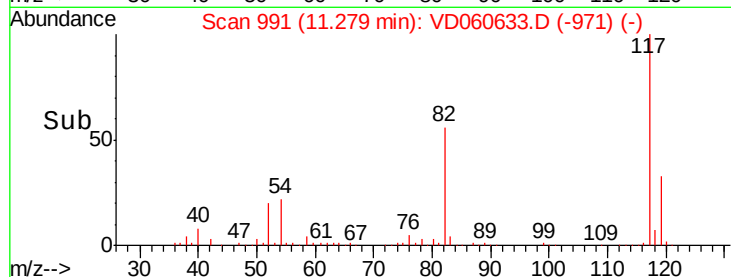
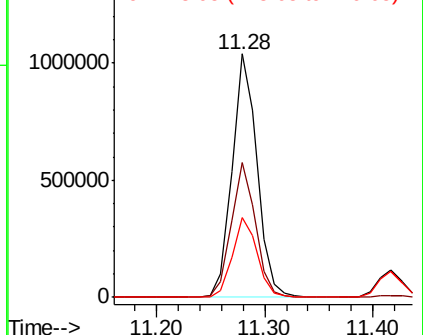
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1674376
Ion Ratio Lower Upper
117 100
82 55.5 45.2 67.8
119 32.8 26.1 39.1

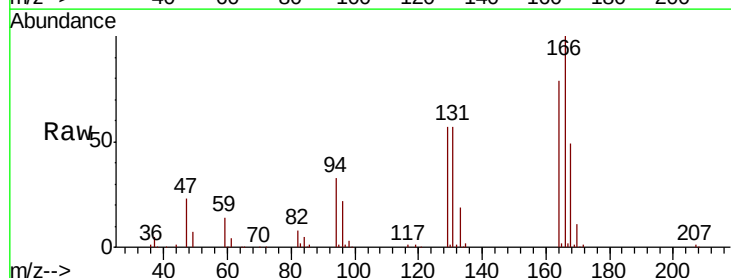


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

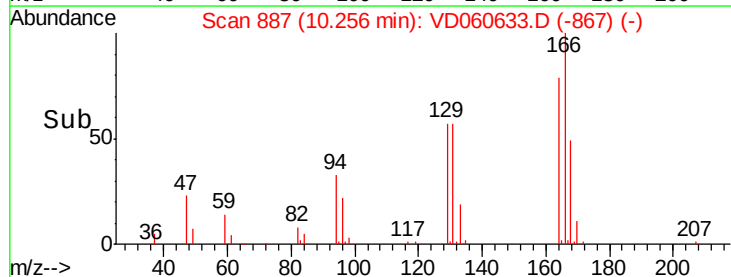
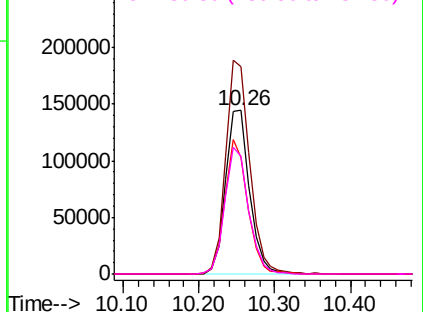


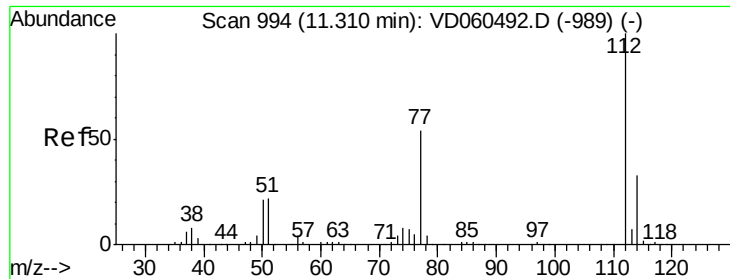
#64
Tetrachloroethene
Concen: 21.304 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion:164 Resp: 315859
Ion Ratio Lower Upper
164 100
166 126.8 105.0 157.6
129 71.7 63.0 94.4
131 72.3 60.6 90.8



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





#65

Chlorobenzene

Concen: 21.532 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

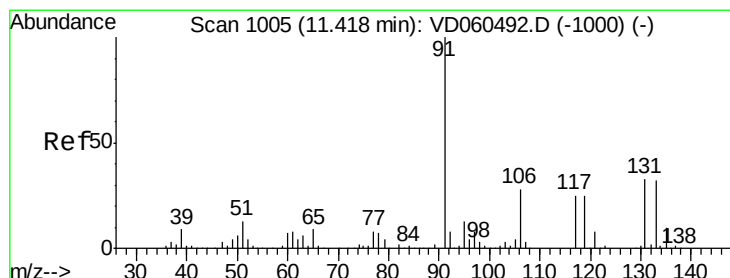
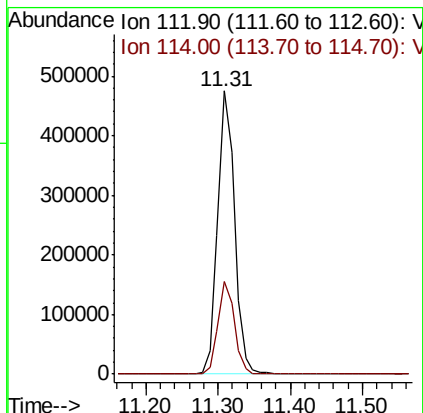
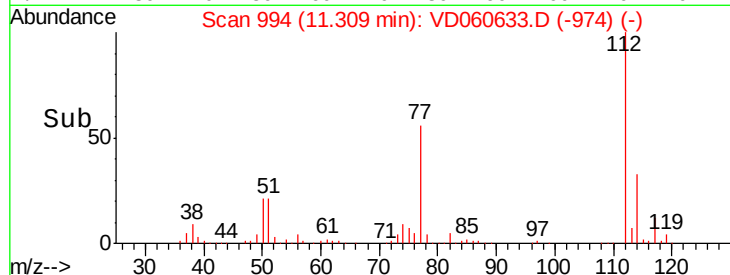
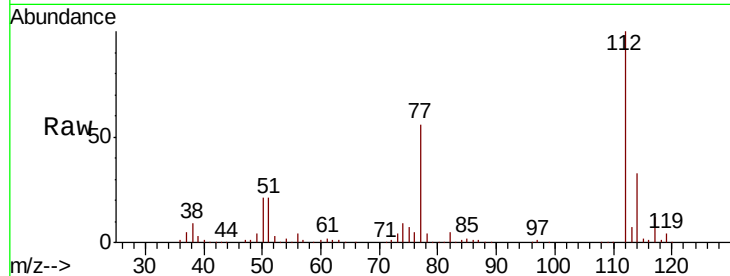
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 762713

Ion Ratio Lower Upper

112 100

114 32.7 26.2 39.4



#66

1,1,1,2-Tetrachloroethane

Concen: 22.748 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

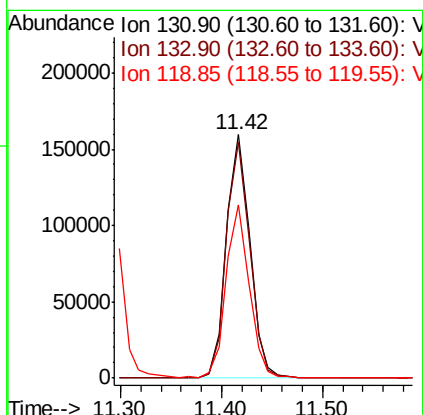
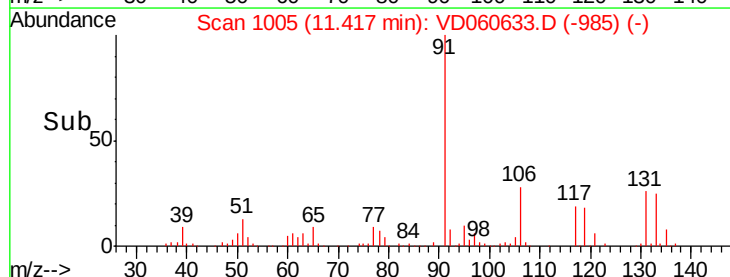
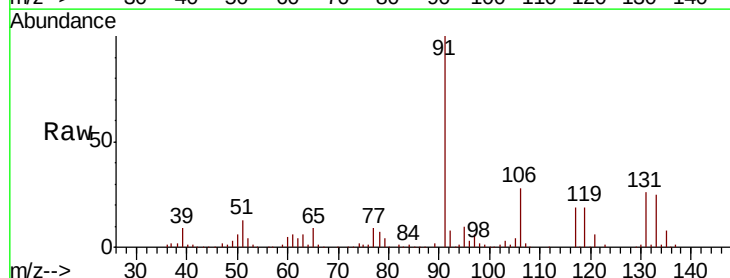
Tgt Ion:131 Resp: 259723

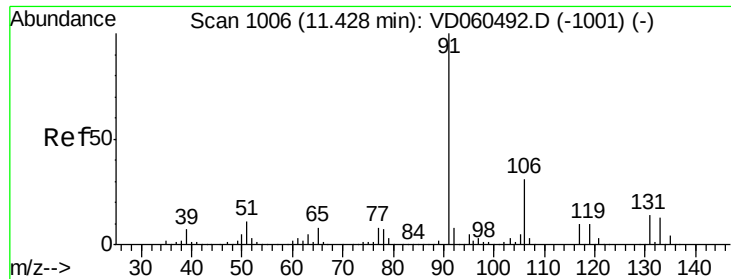
Ion Ratio Lower Upper

131 100

133 96.7 49.1 147.3

119 71.1 37.5 112.3

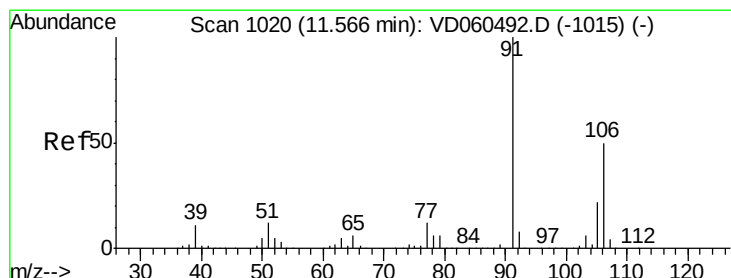
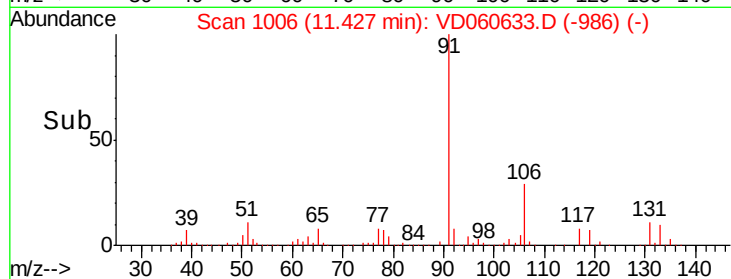
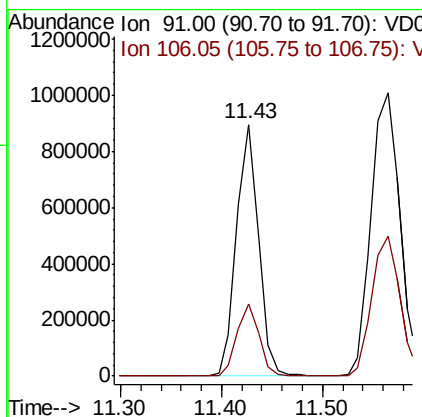
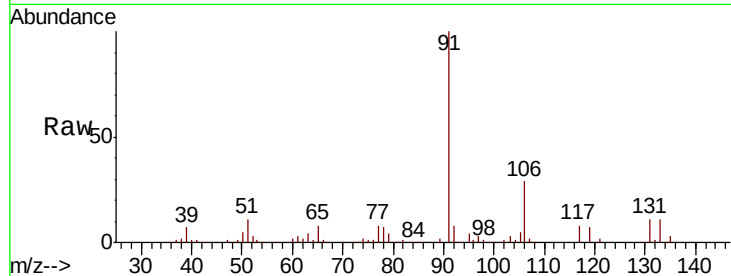




#67
Ethyl Benzene
Concen: 22.622 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

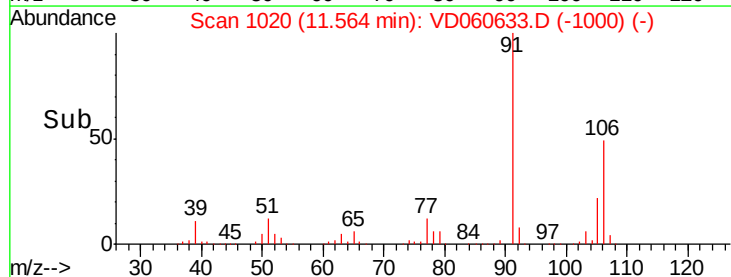
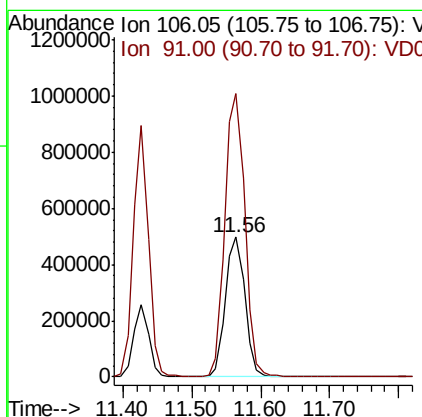
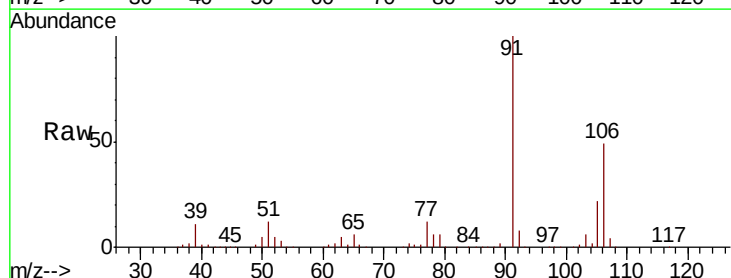
Instrument :
MSVOA_D
ClientSampled :

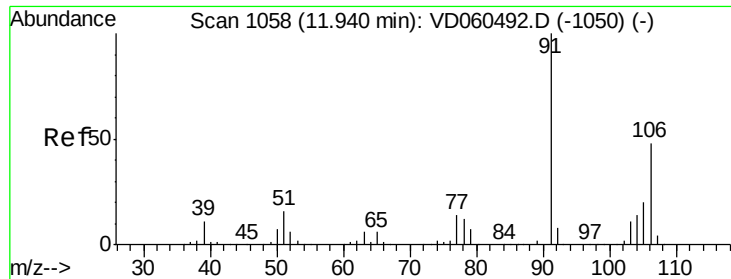
Tot Ion: 91 Resp: 1366808
Ion Ratio Lower Upper
91 100
106 29.0 24.6 37.0



#68
m/p-Xylenes
Concen: 43.819 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 106 Resp: 979478
Ion Ratio Lower Upper
106 100
91 203.0 160.5 240.7

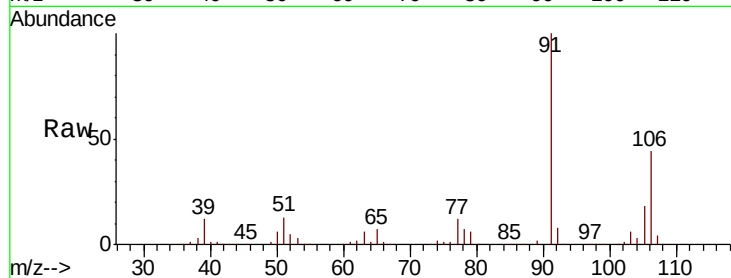




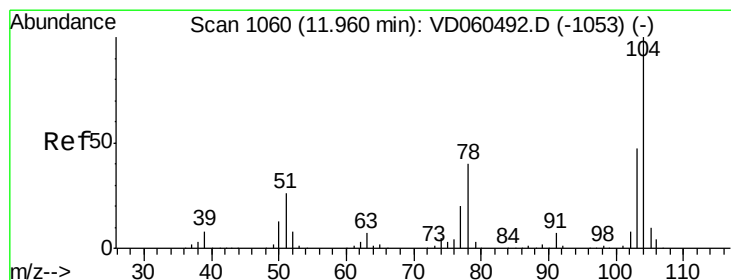
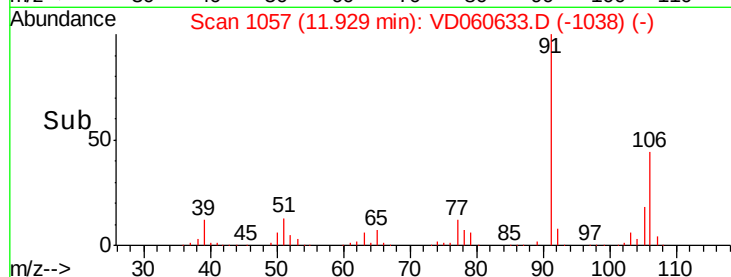
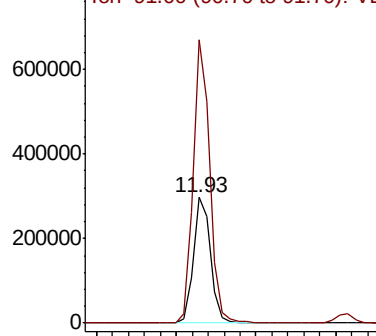
#69
o-Xylene
Concen: 21.280 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 453317
Ion Ratio Lower Upper
106 100
91 224.9 103.4 310.1

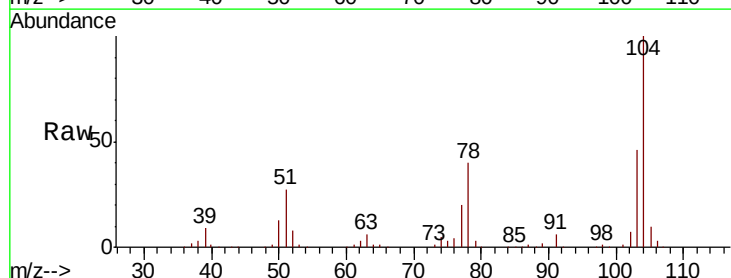


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

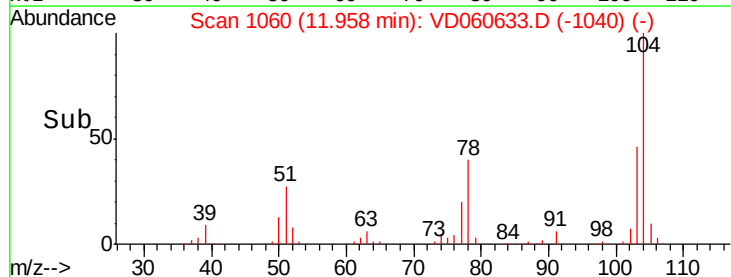
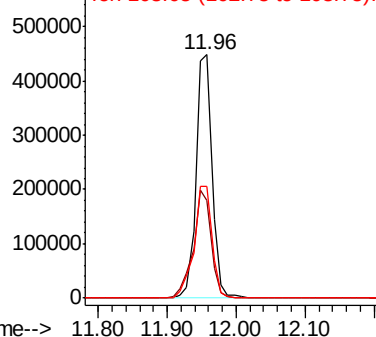


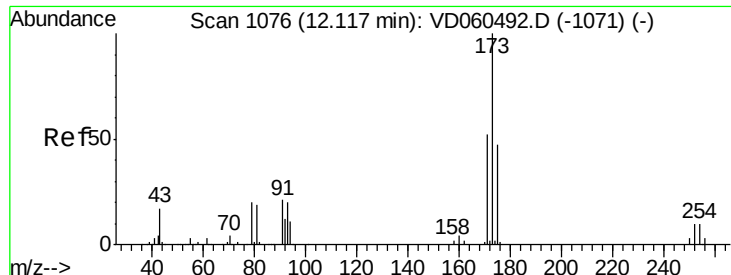
#70
Styrene
Concen: 21.063 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion:104 Resp: 720213
Ion Ratio Lower Upper
104 100
78 39.9 32.1 48.1
103 45.7 37.2 55.8



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





#71

Bromoform

Concen: 19.603 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampled :

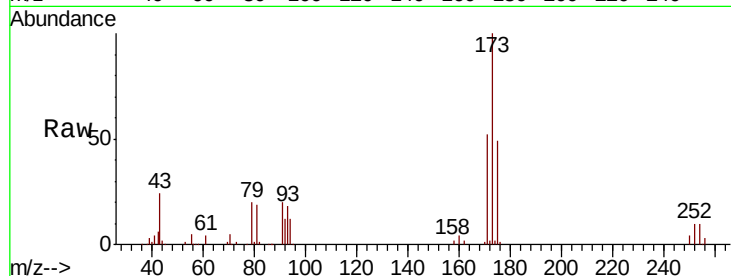
Tot Ion:173 Resp: 149319

Ion Ratio Lower Upper

173 100

175 48.6 23.5 70.6

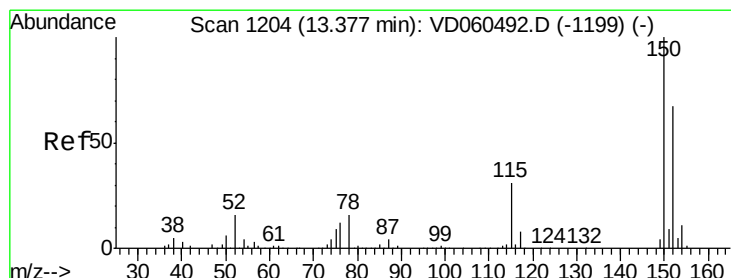
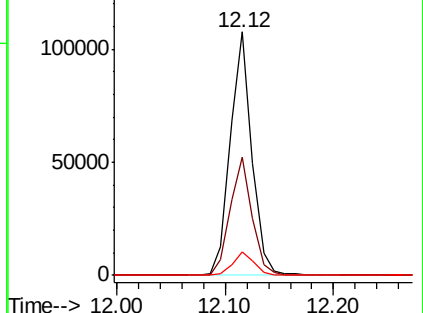
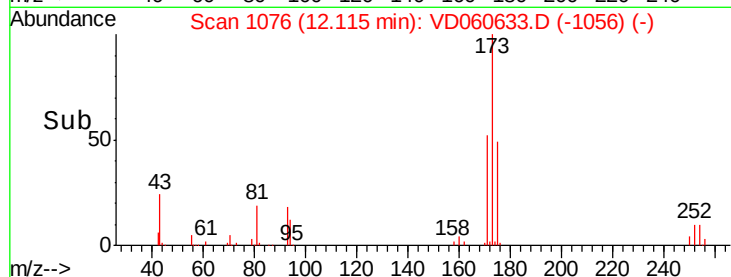
254 9.7 7.8 11.8



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: 13.38 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

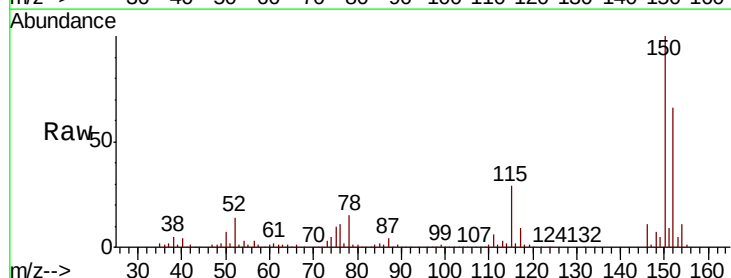
Tgt Ion:152 Resp: 871358

Ion Ratio Lower Upper

152 100

115 44.0 24.6 74.0

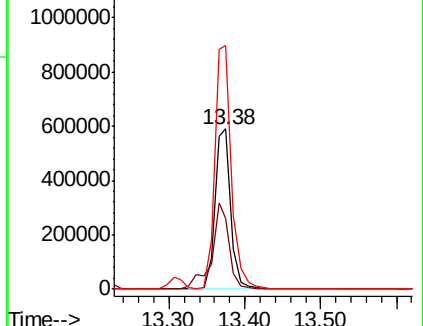
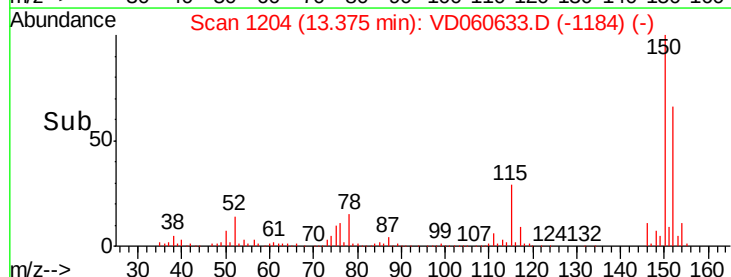
150 152.0 0.0 309.0

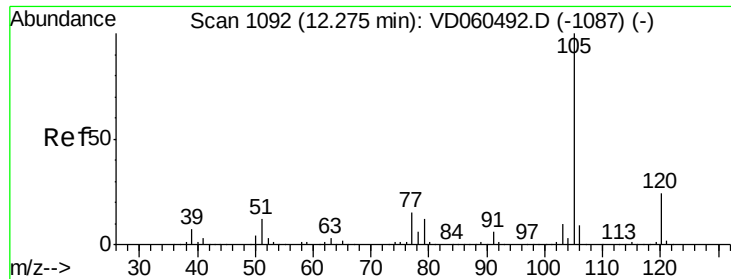


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.064 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

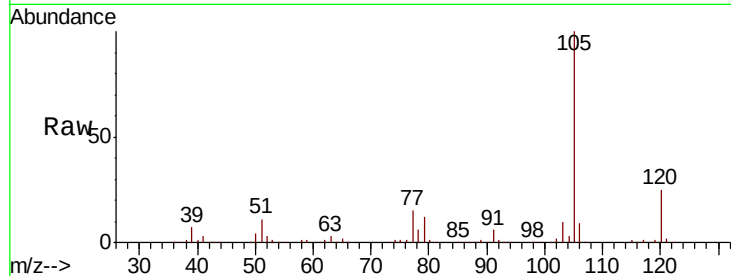
ClientSampleId :

Tot Ion:105 Resp: 1298803

Ion Ratio Lower Upper

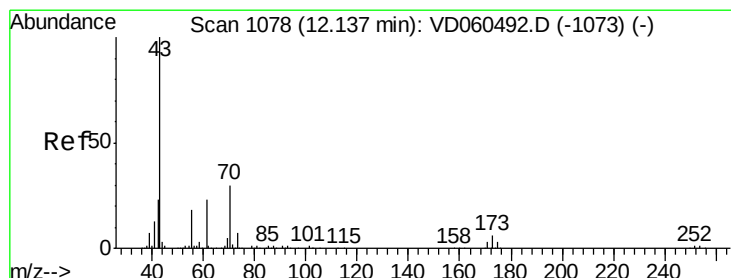
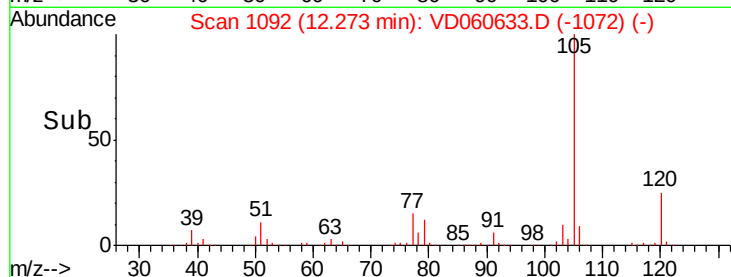
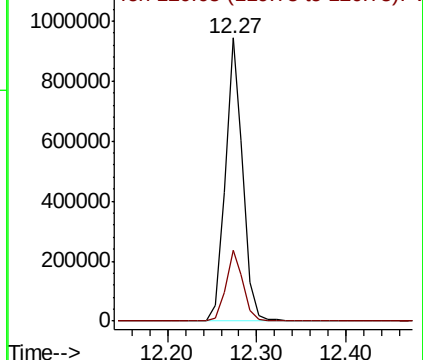
105 100

120 24.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.836 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Tgt Ion: 43 Resp: 280701

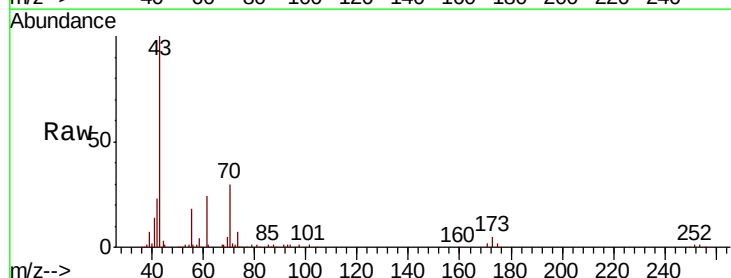
Ion Ratio Lower Upper

43 100

70 29.8 23.8 35.8

55 17.5 14.2 21.2

61 24.0 18.1 27.1

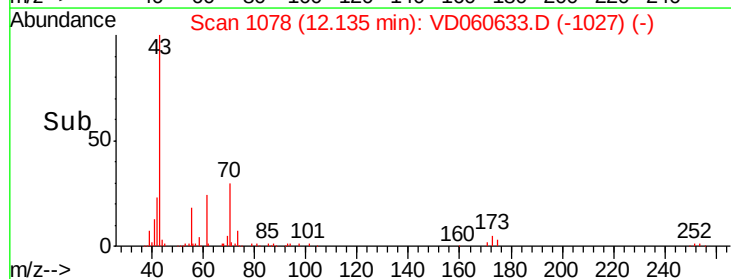
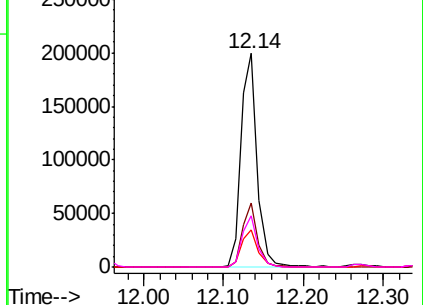


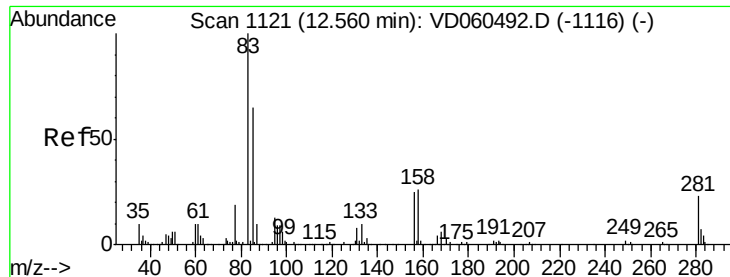
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.132 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

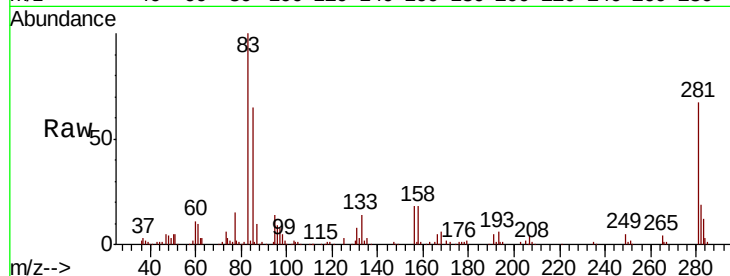
Tot Ion: 83 Resp: 198730

Ion Ratio Lower Upper

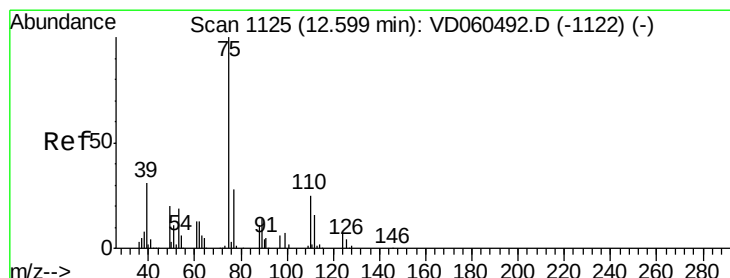
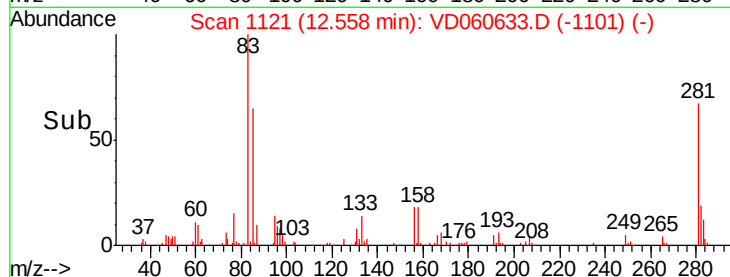
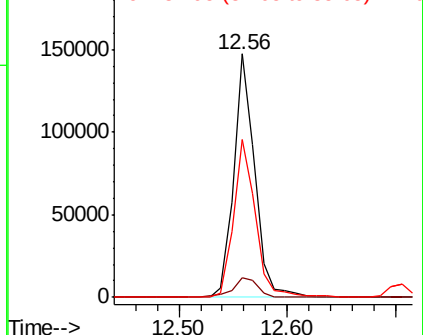
83 100

131 8.3 3.8 11.4

85 64.7 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.125 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD060633.D

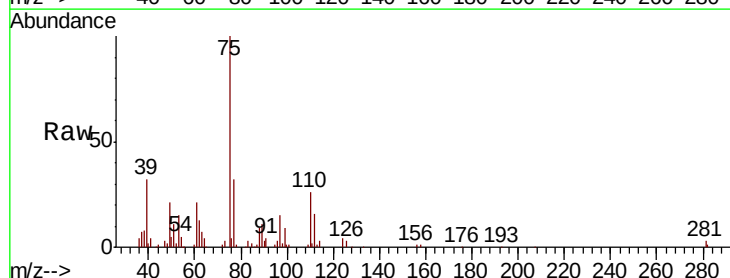
Acq: 19 Dec 2018 11:49

Tgt Ion: 75 Resp: 198699

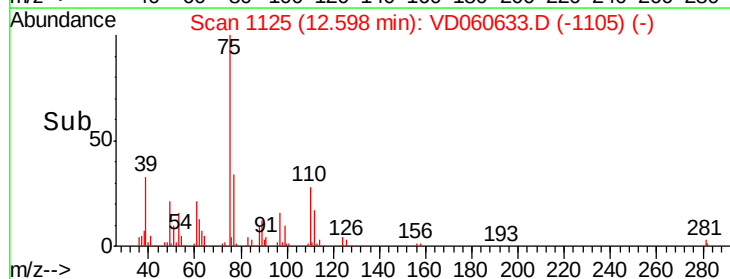
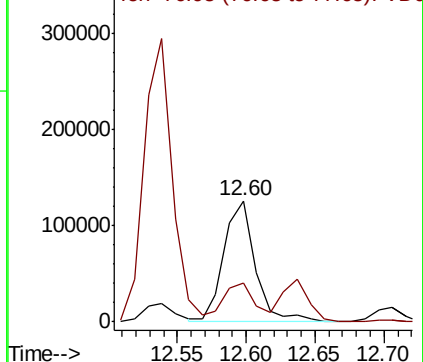
Ion Ratio Lower Upper

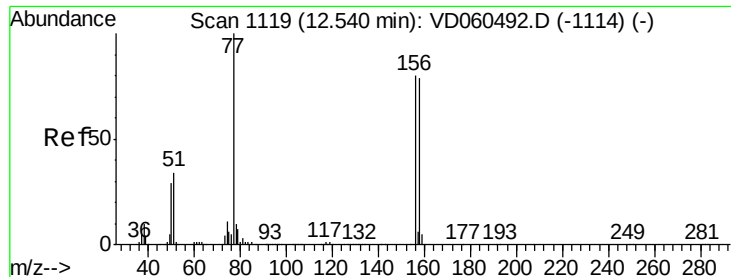
75 100

77 32.4 16.4 49.4



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





#77

Bromobenzene

Concen: 20.374 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

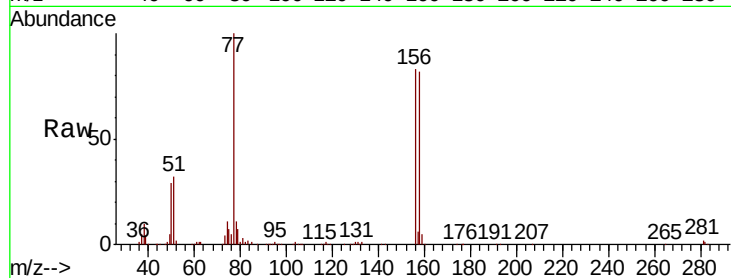
Tot Ion:156 Resp: 330213

Ion Ratio Lower Upper

156 100

77 120.3 62.5 187.6

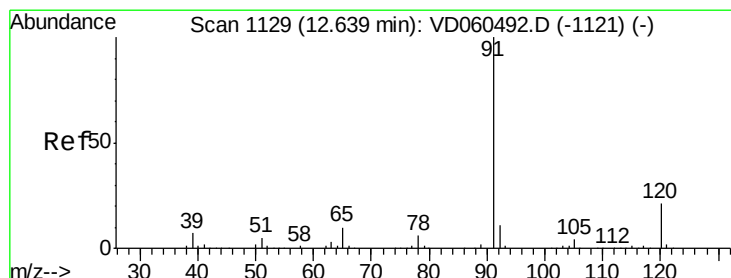
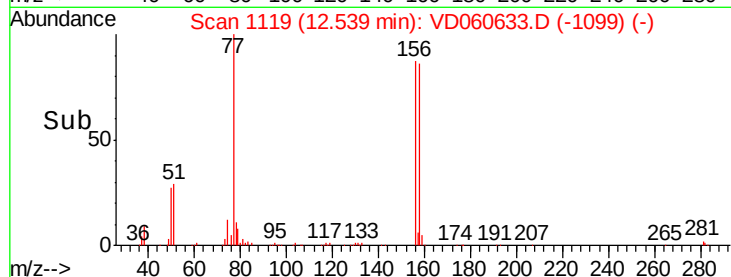
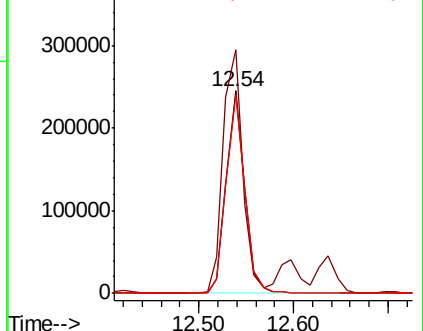
158 98.0 49.4 148.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.322 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060633.D

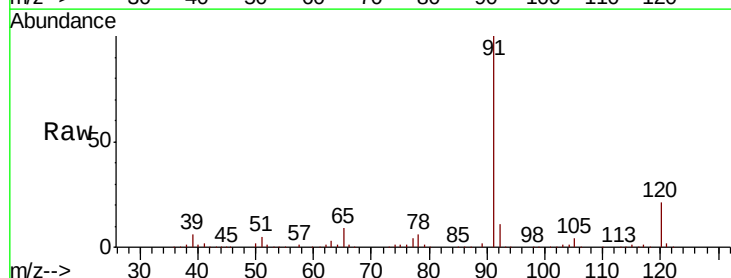
Acq: 19 Dec 2018 11:49

Tgt Ion: 91 Resp: 1661947

Ion Ratio Lower Upper

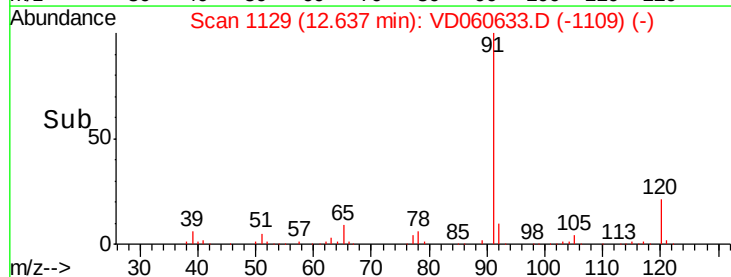
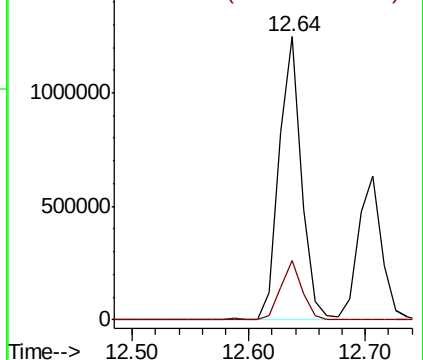
91 100

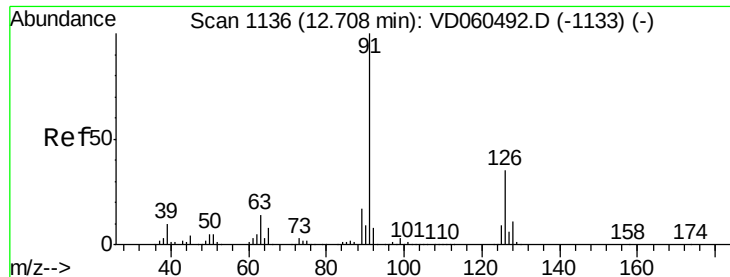
120 21.0 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.839 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

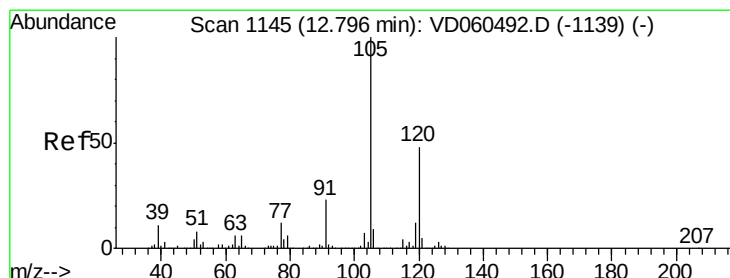
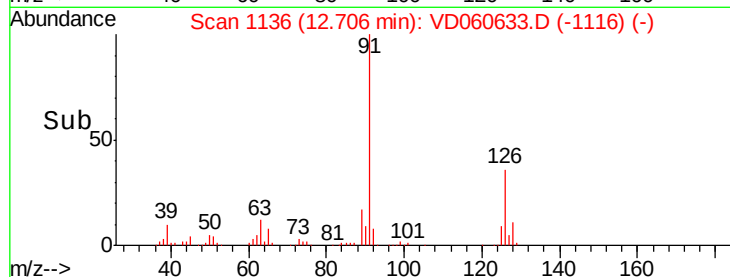
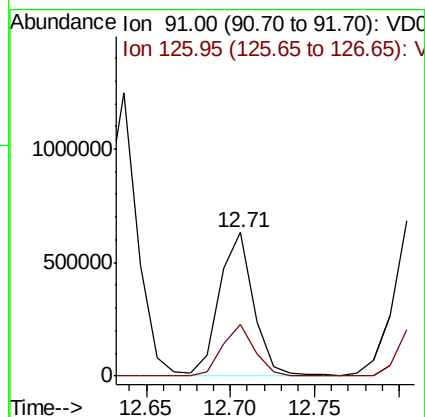
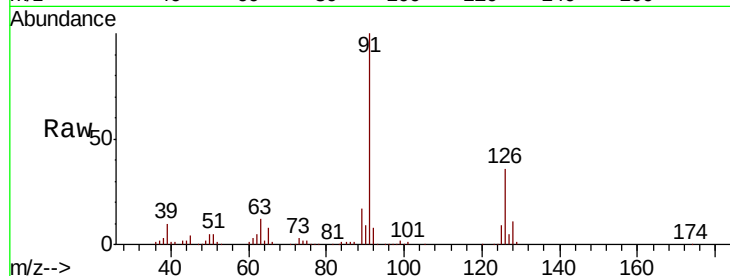
ClientSampled :

Tot Ion: 91 Resp: 881377

Ion Ratio Lower Upper

91 100

126 35.7 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 21.078 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060633.D

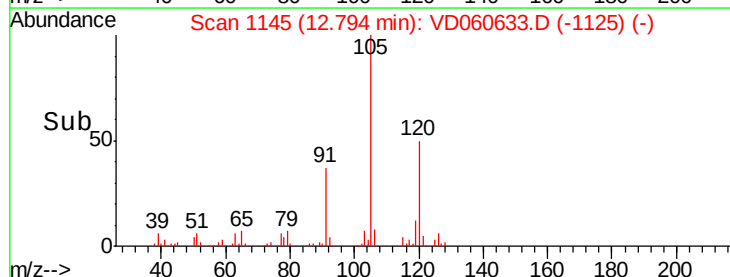
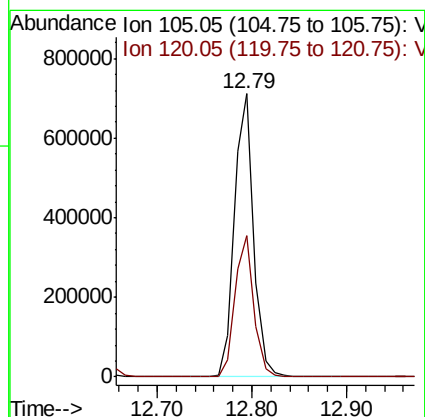
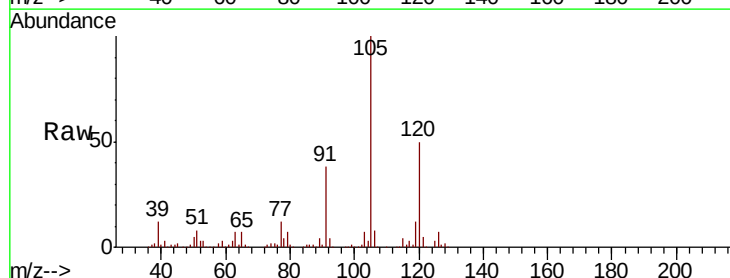
Acq: 19 Dec 2018 11:49

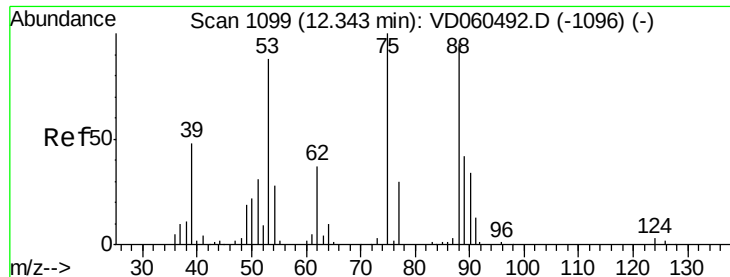
Tgt Ion: 105 Resp: 993127

Ion Ratio Lower Upper

105 100

120 49.7 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.568 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampled :

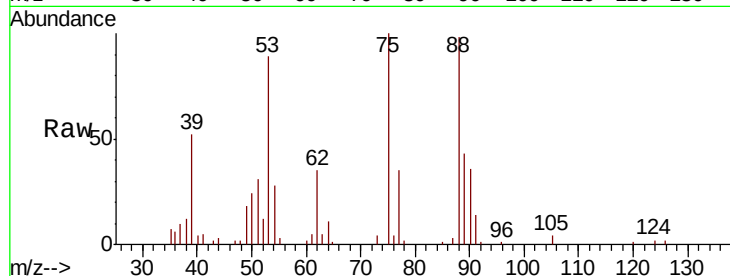
Tot Ion: 75 Resp: 51129

Ion Ratio Lower Upper

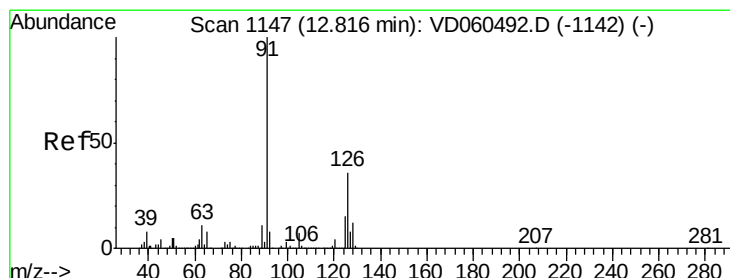
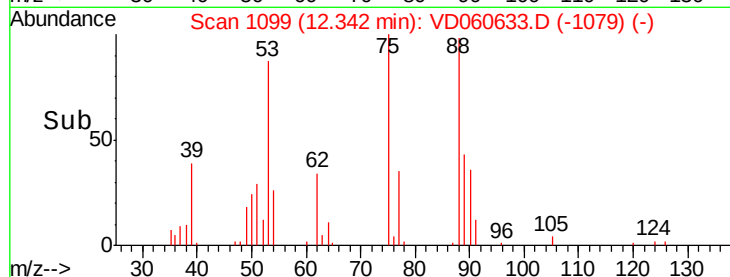
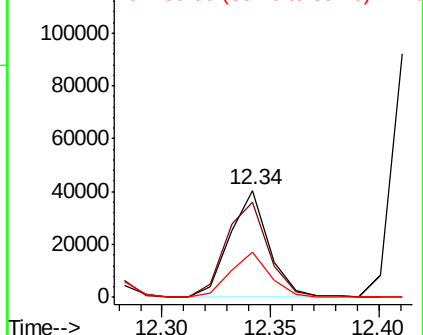
75 100

53 88.9 70.5 105.7

89 42.8 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: 20.992 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060633.D

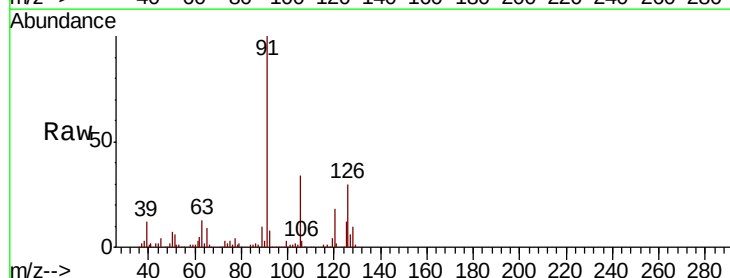
Acq: 19 Dec 2018 11:49

Tgt Ion: 91 Resp: 997200

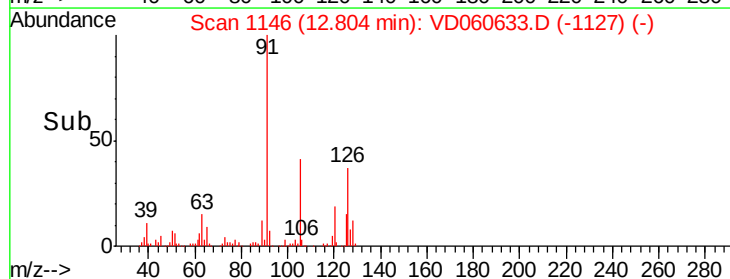
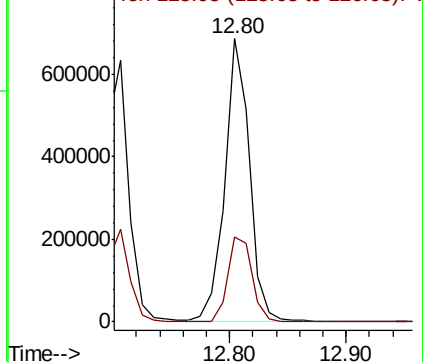
Ion Ratio Lower Upper

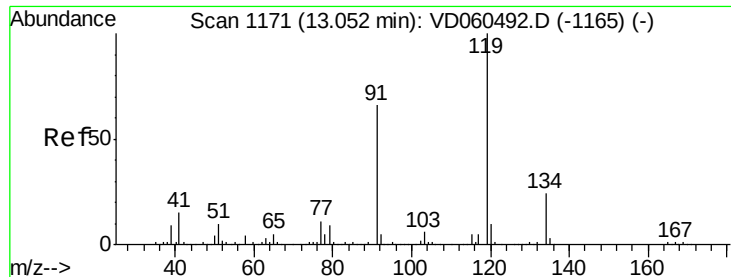
91 100

126 30.2 17.8 53.4



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

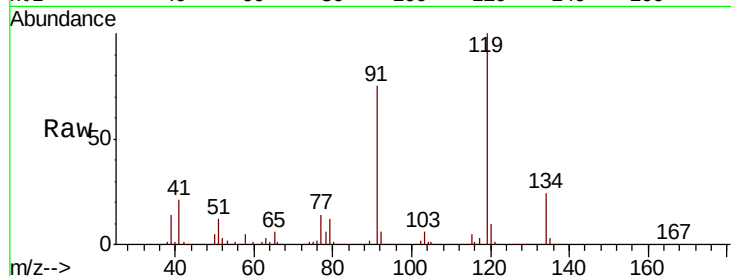




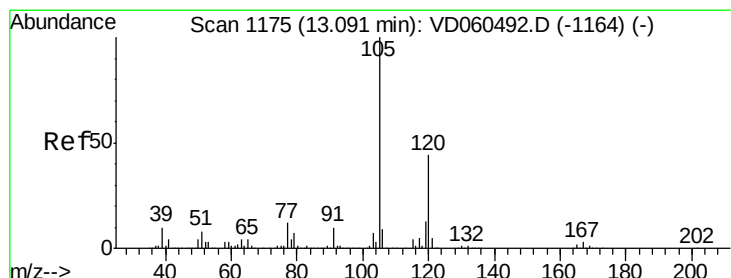
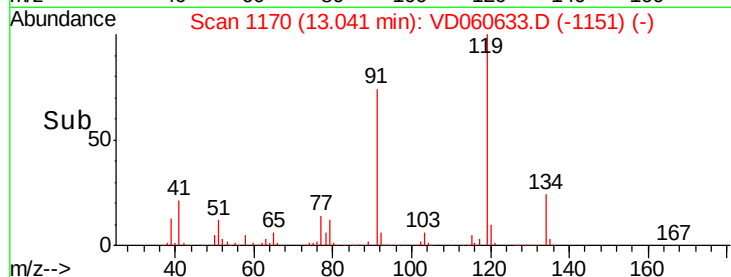
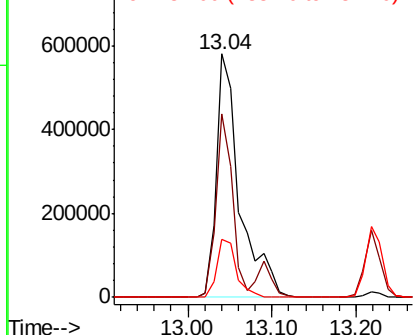
#83
tert-Butylbenzene
Concen: 21.167 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1118206
Ion Ratio Lower Upper
119 100
91 75.4 33.1 99.2
134 24.1 12.0 36.0

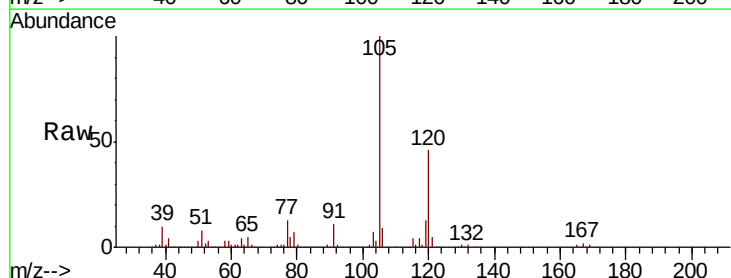


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

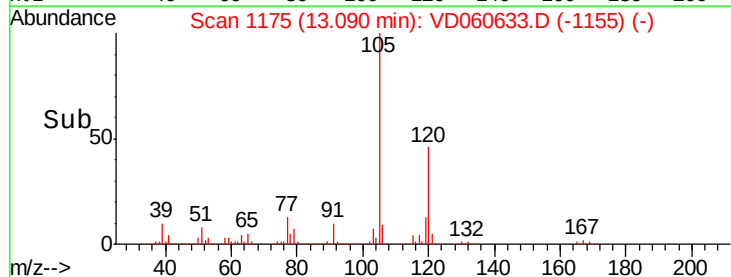
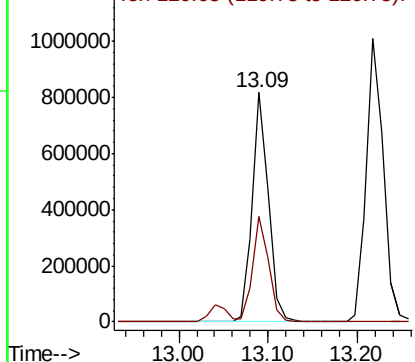


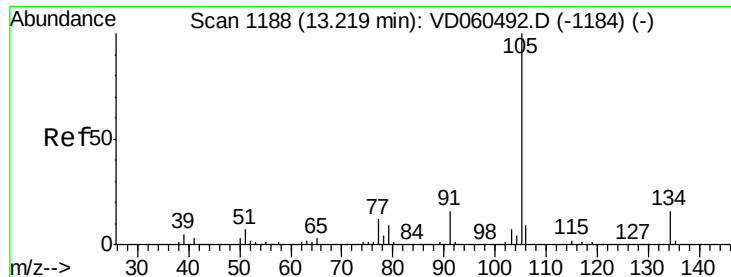
#84
1,2,4-Trimethylbenzene
Concen: 21.008 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion:105 Resp: 1024877
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.8



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





#85

sec-Butylbenzene

Concen: 20.180 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

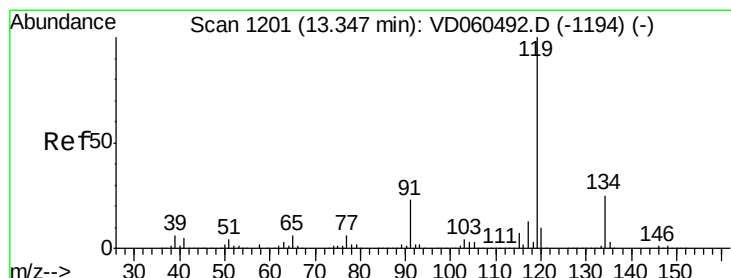
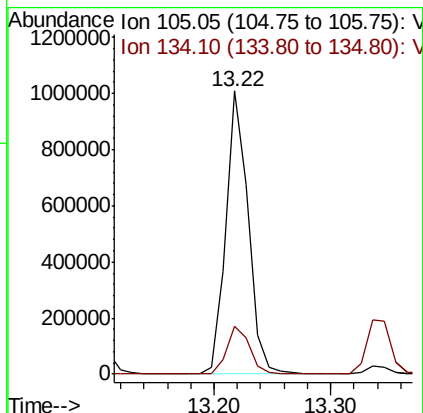
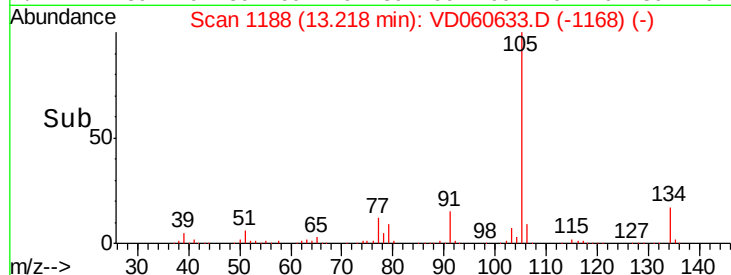
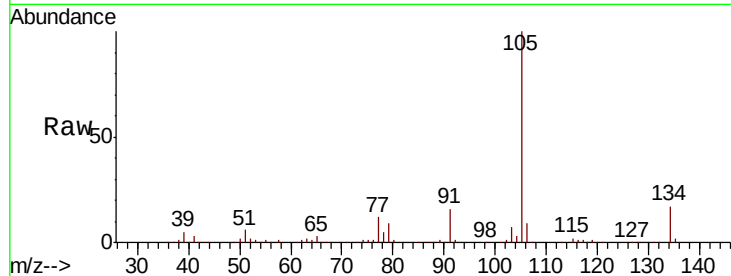
ClientSampleId :

Tot Ion:105 Resp: 1328748

Ion Ratio Lower Upper

105 100

134 16.9 7.9 23.7



#86

p-Isopropyltoluene

Concen: 21.221 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

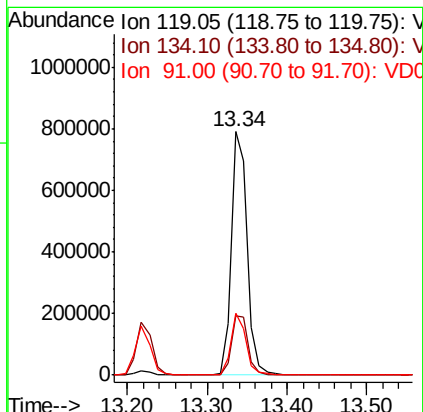
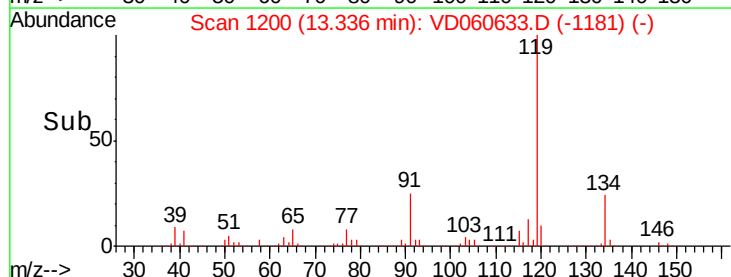
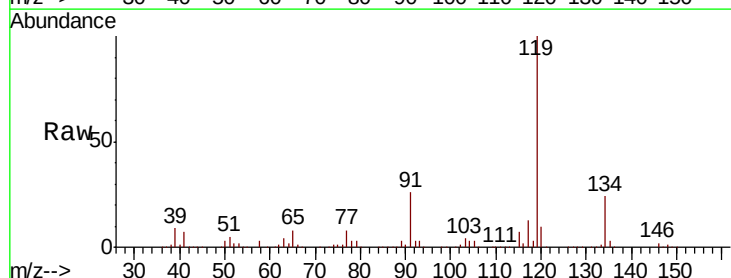
Tgt Ion:119 Resp: 1107605

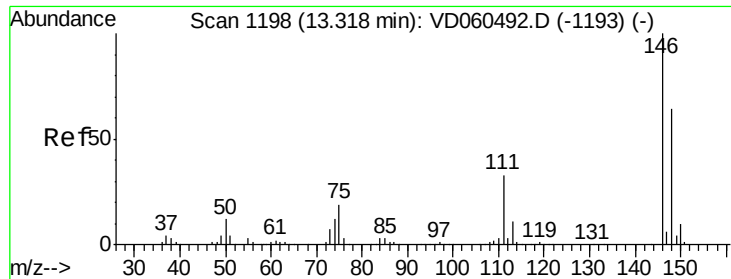
Ion Ratio Lower Upper

119 100

134 24.4 12.5 37.5

91 25.5 11.5 34.4

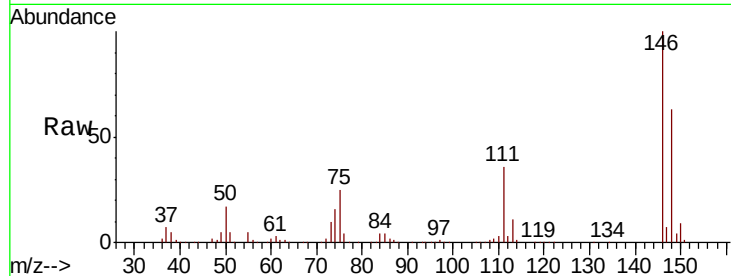




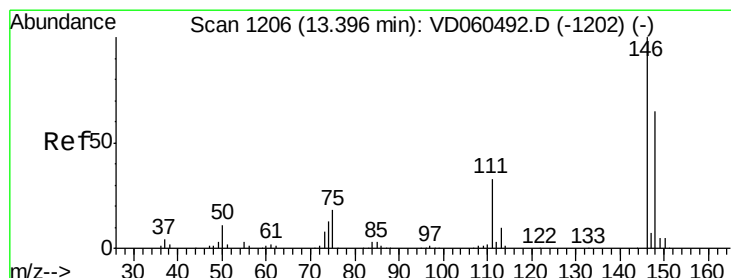
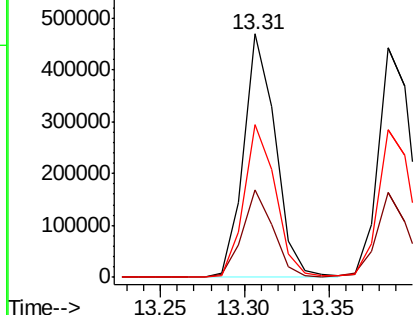
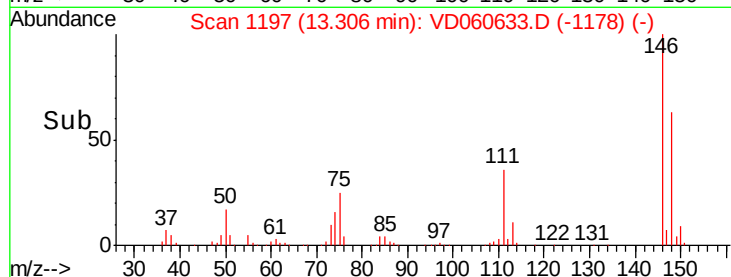
#87
 1,3-Dichlorobenzene
 Concen: 20.960 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	16.5	49.5
148	62.5	32.3	96.8

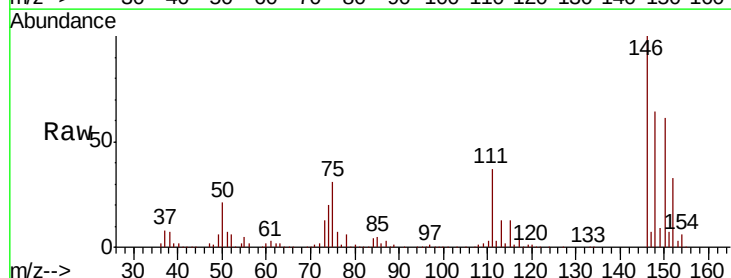


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

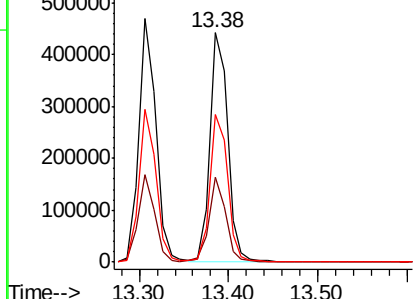
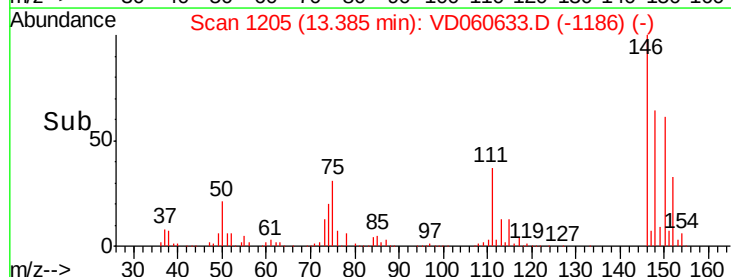


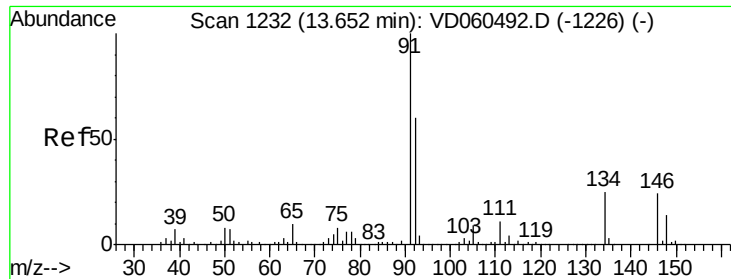
#88
 1,4-Dichlorobenzene
 Concen: 21.137 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	16.4	49.1
148	64.4	32.6	98.0



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

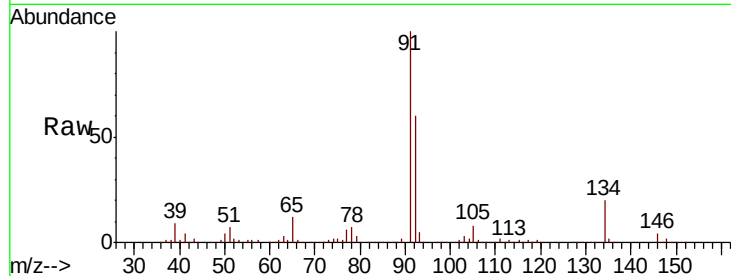




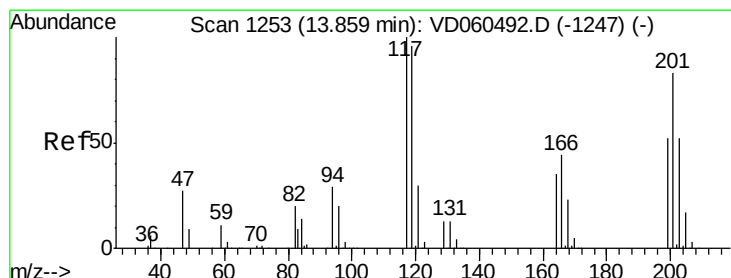
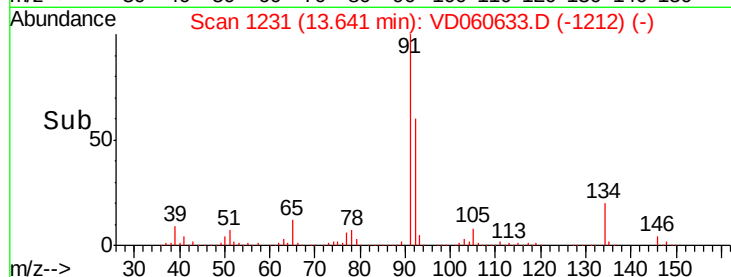
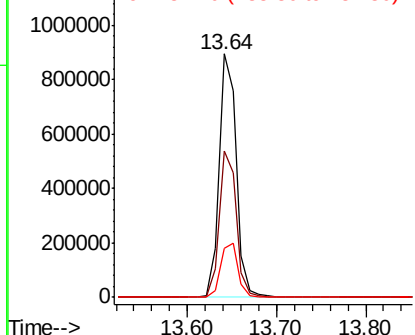
#89
n-Butylbenzene
Concen: 20.920 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1211703
Ion Ratio Lower Upper
91 100
92 59.9 30.0 90.1
134 20.3 12.5 37.5

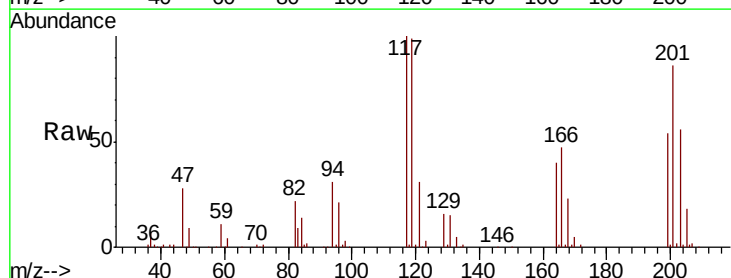


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

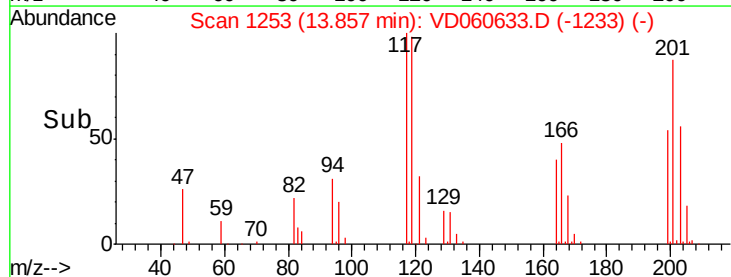
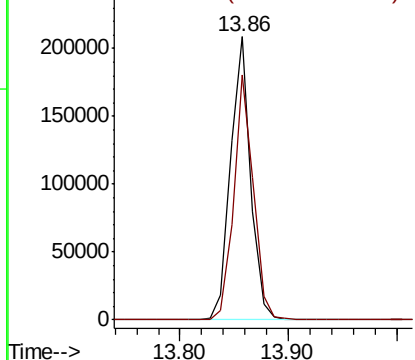


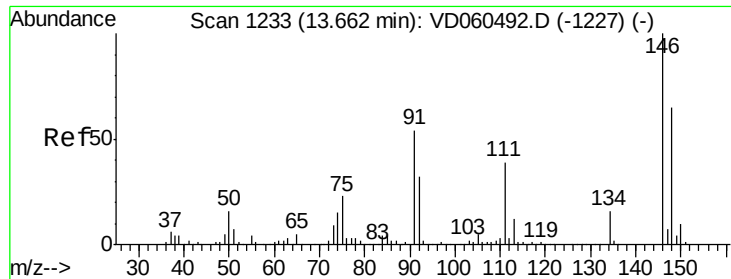
#90
Hexachloroethane
Concen: 20.571 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060633.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 117 Resp: 269209
Ion Ratio Lower Upper
117 100
201 86.5 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

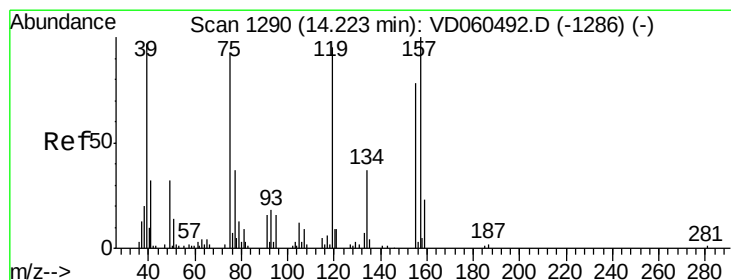
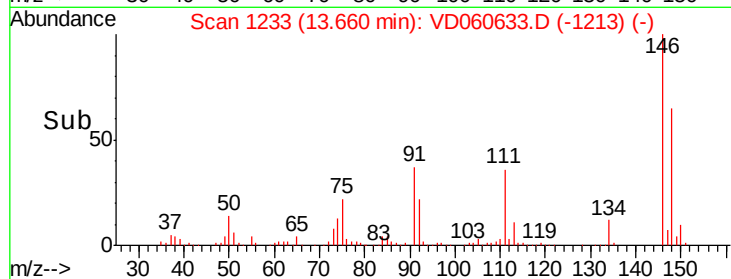
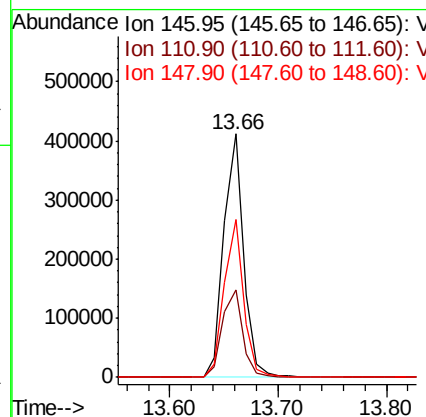
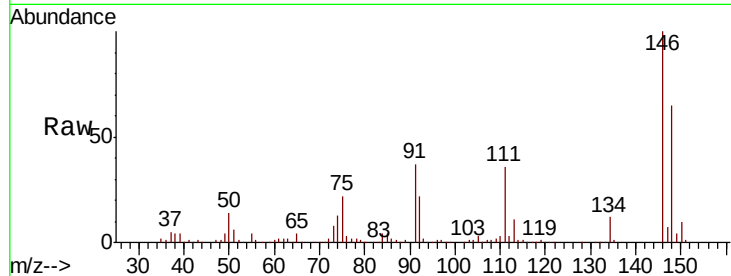




#91
 1,2-Dichlorobenzene
 Concen: 22.029 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

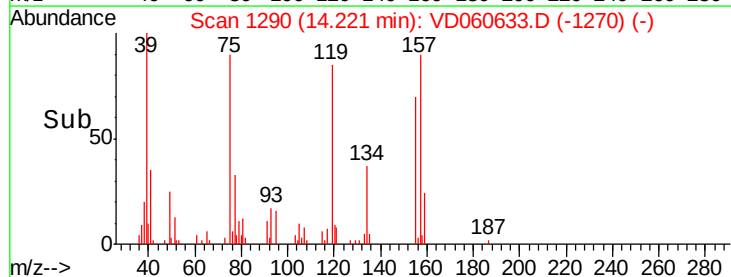
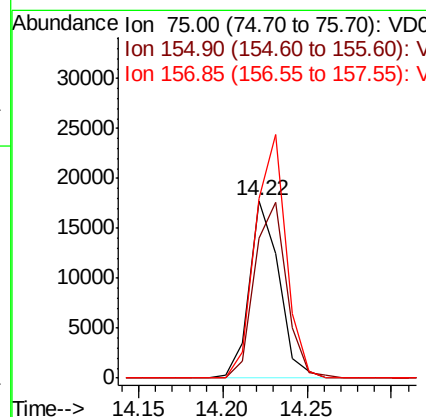
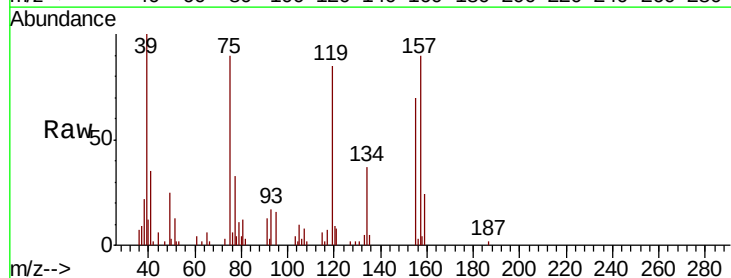
Instrument :
 MSVOA_D
 ClientSampled :

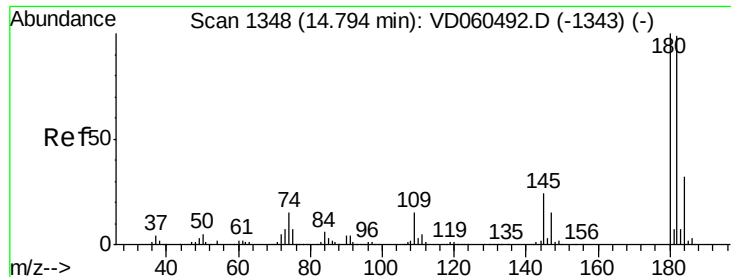
Tot Ion:146 Resp: 528307
 Ion Ratio Lower Upper
 146 100
 111 36.1 19.3 57.8
 148 64.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.143 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 75 Resp: 21701
 Ion Ratio Lower Upper
 75 100
 155 78.6 41.6 124.9
 157 100.9 53.6 160.8

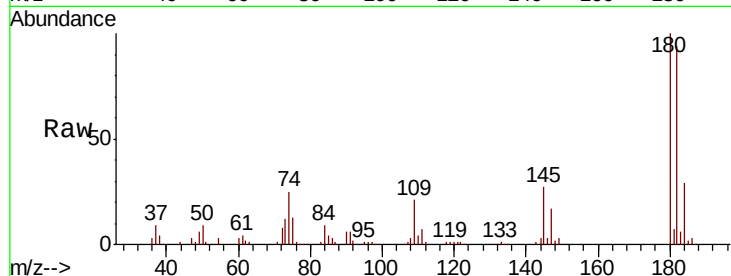




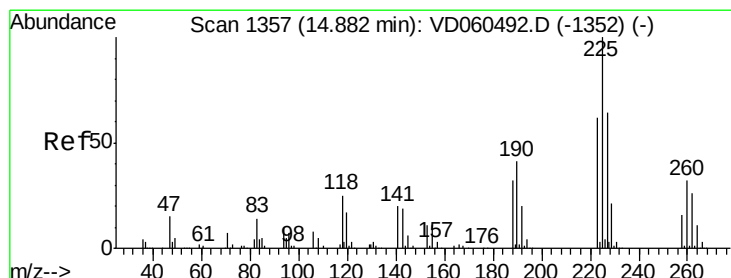
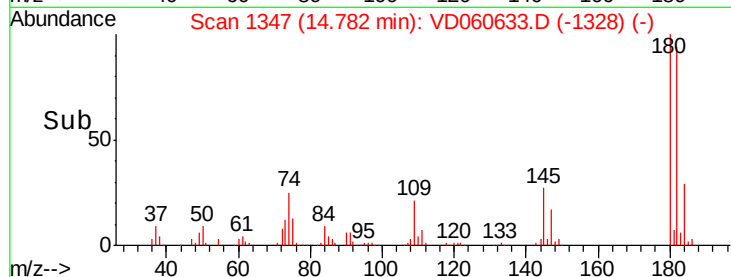
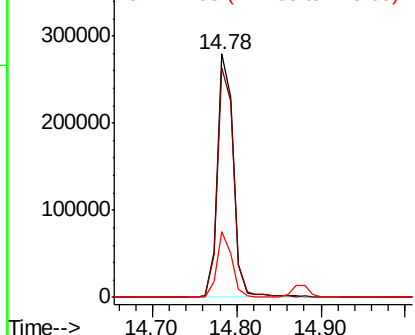
#93
 1,2,4-Trichlorobenzene
 Concen: 19.708 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 369482
 Ion Ratio Lower Upper
 180 100
 182 94.1 49.4 148.0
 145 27.1 11.9 35.9

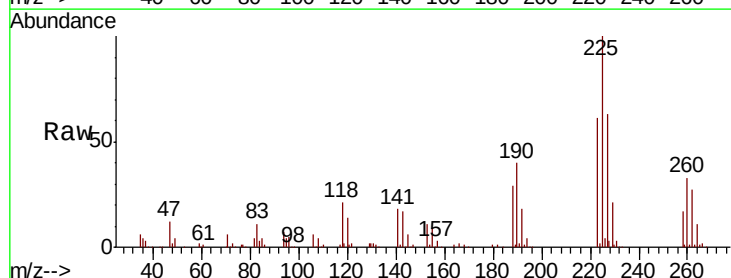


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

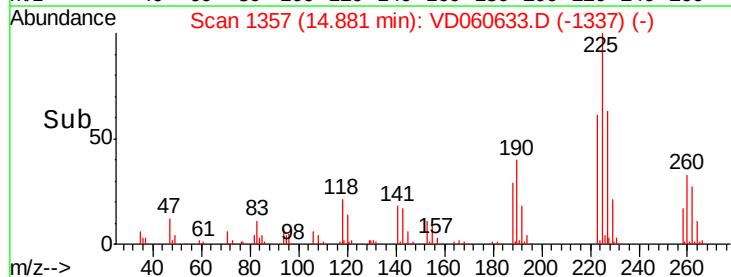
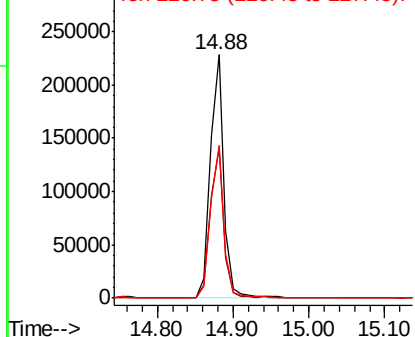


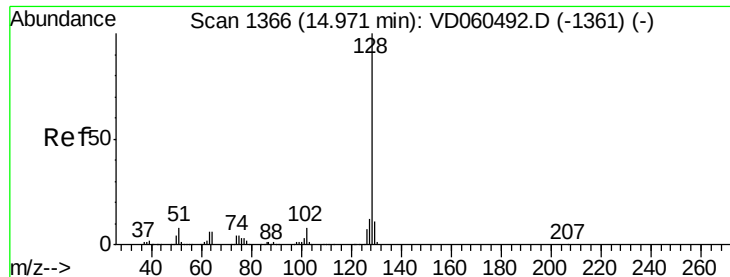
#94
 Hexachlorobutadiene
 Concen: 20.900 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060633.D
 Acq: 19 Dec 2018 11:49

Tgt Ion:225 Resp: 289093
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.2 93.6
 227 62.5 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: 19.082 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

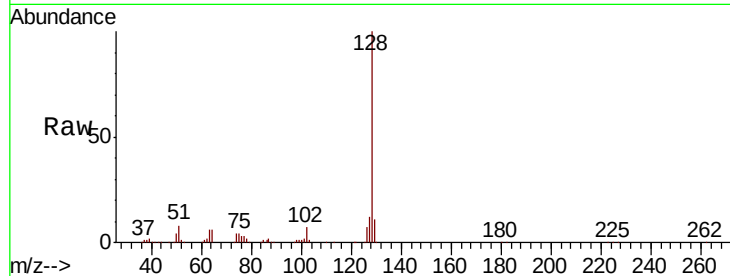
Tot Ion:128 Resp: 425583

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.8

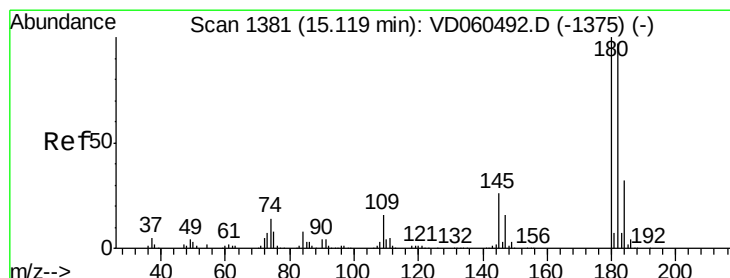
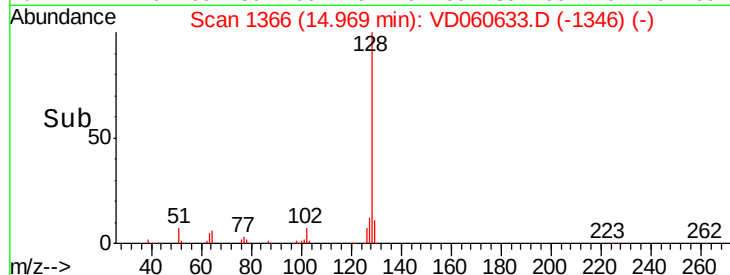
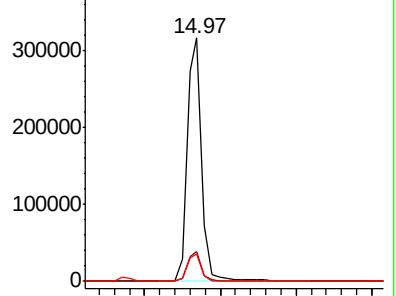
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.528 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VD060633.D

Acq: 19 Dec 2018 11:49

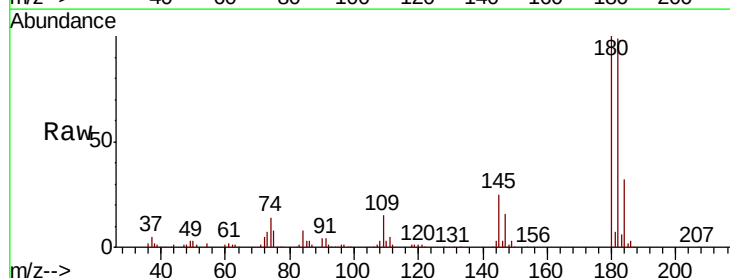
Tgt Ion:180 Resp: 291713

Ion Ratio Lower Upper

180 100

182 99.2 48.5 145.5

145 24.8 12.9 38.7



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

