

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120718\
 Data File : VD060511.D
 Acq On : 7 Dec 2018 11:57
 Operator : VA/AP
 Sample : VD1207SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Quant Time: Dec 08 02:04:17 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	6.40	168	1669574	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2297542	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1860949	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	910267	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	596330	50.39	ug/l	-0.02
Spiked Amount			Recovery	=	100.78%	
35) Dibromofluoromethane	6.32	113	872406	51.70	ug/l	-0.01
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	9.44	98	2534678	51.90	ug/l	-0.02
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.42	95	892208	51.06	ug/l	-0.01
Spiked Amount			Recovery	=	102.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	451505	25.153	ug/l	99
3) Chloromethane	1.77	50	400303	23.336	ug/l	98
4) Vinyl Chloride	1.87	62	323830	23.654	ug/l	98
5) Bromomethane	2.16	94	59437	17.354	ug/l	95
6) Chloroethane	2.26	64	81151	17.119	ug/l	95
7) Trichlorofluoromethane	2.52	101	333641	21.106	ug/l	98
8) Diethyl Ether	2.83	74	55382	20.283	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.10	101	228037	22.233	ug/l	98
10) Methyl Iodide	3.25	142	251398	20.969	ug/l	99
11) Tert butyl alcohol	3.98	59	39878	82.945	ug/l #	94
12) 1,1-Dichloroethene	3.08	96	182491	21.868	ug/l	91
13) Acrolein	2.99	56	51994	98.973	ug/l	96
14) Allyl chloride	3.53	41	353062	22.299	ug/l	99
15) Acrylonitrile	4.08	53	286634	104.999	ug/l	96
16) Acetone	3.16	43	175850	92.705	ug/l	97
17) Carbon Disulfide	3.32	76	597412	22.039	ug/l	99
18) Methyl Acetate	3.56	43	83475	18.516	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	479635	20.726	ug/l	99
20) Methylene Chloride	3.72	84	370187	18.430	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	391410	21.562	ug/l	95
22) Diisopropyl ether	4.85	45	1207663	21.244	ug/l	99
23) Vinyl Acetate	4.80	43	2972722	105.546	ug/l	99
24) 1,1-Dichloroethane	4.75	63	629395	21.312	ug/l	99
25) 2-Butanone	5.61	43	373350	100.042	ug/l	96
26) 2,2-Dichloropropane	5.58	77	508098	22.271	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	390276	21.145	ug/l	95
28) Bromochloromethane	5.91	49	256540	19.609	ug/l	96
29) Tetrahydrofuran	5.94	42	209150	98.968	ug/l	99
30) Chloroform	6.09	83	621272	20.881	ug/l	99
31) Cyclohexane	6.36	56	605873	21.833	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	530073	21.672	ug/l	98
36) 1,1-Dichloropropene	6.51	75	497407	22.148	ug/l	98
37) Ethyl Acetate	5.69	43	202667	20.808	ug/l #	98
38) Carbon Tetrachloride	6.48	117	451462	22.392	ug/l	98

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Quant Time: Dec 08 02:04:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	563190	21.998	ug/l	99
40) Benzene	6.78	78	1238286	21.574	ug/l	100
41) Methacrylonitrile	5.94	41	233911	44.551	ug/l #	68
42) 1,2-Dichloroethane	6.88	62	311910	21.374	ug/l	100
43) Isopropyl Acetate	8.33	43	244588	20.343	ug/l #	97
44) Trichloroethene	7.72	130	368923	21.508	ug/l	98
45) 1,2-Dichloropropane	8.09	63	308834	21.756	ug/l	94
46) Dibromomethane	8.21	93	173360	21.137	ug/l	97
47) Bromodichloromethane	8.47	83	415400	21.346	ug/l	100
48) Methyl methacrylate	8.24	41	148882	20.928	ug/l	97
49) 1,4-Dioxane	8.22	88	28764	446.122	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	755985	101.084	ug/l	97
52) Toluene	9.54	92	776563	21.647	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	344368	21.536	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	451724	21.501	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	204048	20.425	ug/l	99
56) Ethyl methacrylate	10.02	69	188734	20.875	ug/l	98
57) 1,3-Dichloropropane	10.37	76	311883	20.195	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	571408	105.624	ug/l	96
59) 2-Hexanone	10.47	43	533689	102.092	ug/l	95
60) Dibromochloromethane	10.63	129	260863	20.885	ug/l	98
61) 1,2-Dibromoethane	10.75	107	208136	20.444	ug/l	97
64) Tetrachloroethene	10.24	164	337193	20.463	ug/l	99
65) Chlorobenzene	11.31	112	838450	21.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	273285	21.537	ug/l	97
67) Ethyl Benzene	11.41	91	1490502	22.196	ug/l	98
68) m/p-Xylenes	11.55	106	1082849	43.587	ug/l	96
69) o-Xylene	11.93	106	495901	20.945	ug/l	97
70) Styrene	11.95	104	789279	20.769	ug/l	98
71) Bromoform	12.10	173	165594	19.560	ug/l	96
73) Isopropylbenzene	12.27	105	1455158	22.591	ug/l	98
74) N-amyl acetate	12.12	43	315706	20.280	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	212778	20.634	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	212558	20.609	ug/l	99
77) Bromobenzene	12.53	156	358358	21.165	ug/l	91
78) n-propylbenzene	12.63	91	1792227	22.011	ug/l	96
79) 2-Chlorotoluene	12.69	91	965916	21.861	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	1087654	22.098	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	57900	20.128	ug/l	94
82) 4-Chlorotoluene	12.80	91	1082387	21.811	ug/l	97
83) tert-Butylbenzene	13.04	119	1232469	22.333	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1126623	22.106	ug/l	98
85) sec-Butylbenzene	13.22	105	1511090	21.969	ug/l	95
86) p-Isopropyltoluene	13.33	119	1194415	21.906	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	654886	21.362	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	649794	21.606	ug/l	97
89) n-Butylbenzene	13.64	91	1302221	21.578	ug/l	98
90) Hexachloroethane	13.85	117	297048	21.728	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	554446	22.131	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	25273	20.226	ug/l	72

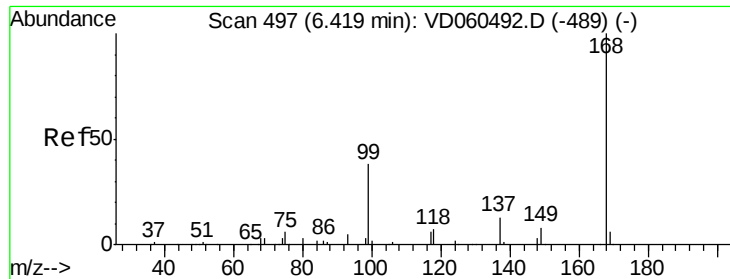
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120718\
Data File : VD060511.D
Acq On : 7 Dec 2018 11:57
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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	422602	21.578	ug/l	96
94) Hexachlorobutadiene	14.87	225	314099	21.738	ug/l	97
95) Naphthalene	14.96	128	483145	20.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	324873	20.818	ug/l	97

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



#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.02 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

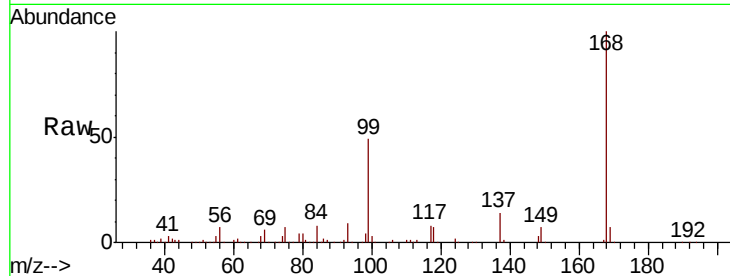
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:168 Resp: 1669574

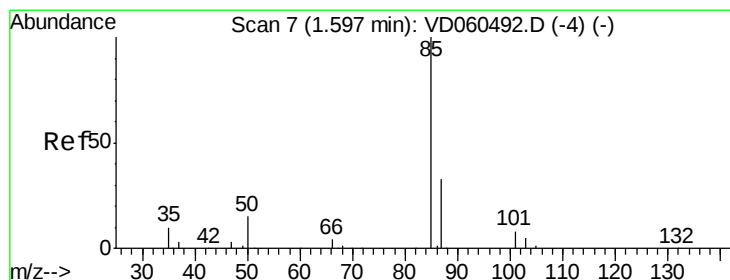
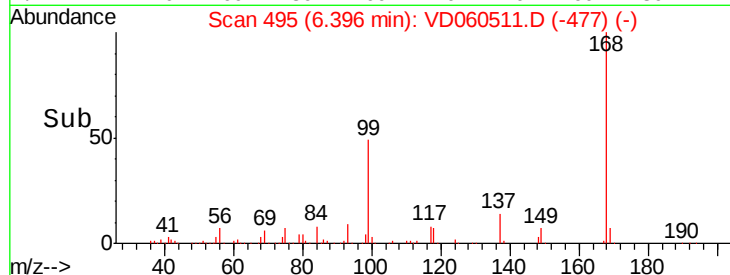
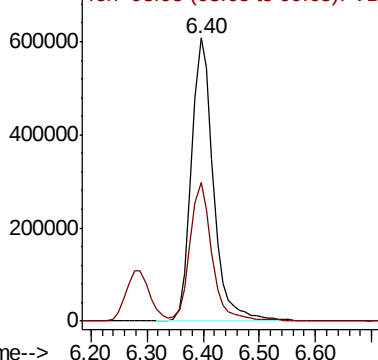
Ion Ratio Lower Upper

168 100

99 48.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



#2

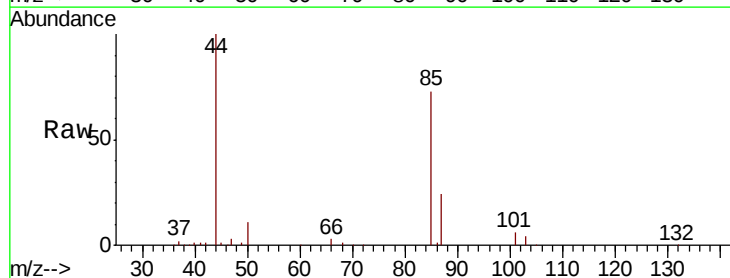
Dichlorodifluoromethane
 Concen: 25.153 ug/l
 RT: 1.60 min Scan# 8
 Delta R.T. 0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 85 Resp: 451505

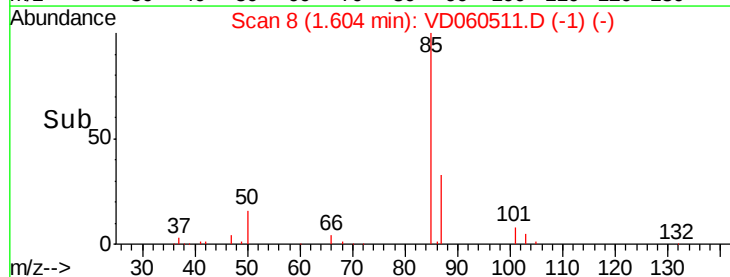
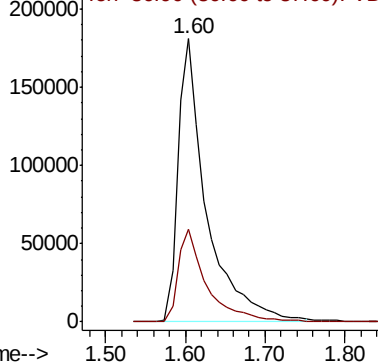
Ion Ratio Lower Upper

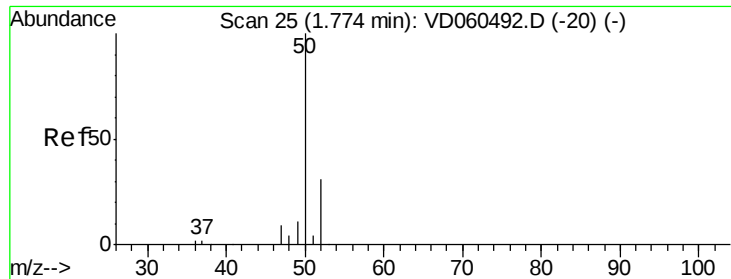
85 100

87 32.9 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.336 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

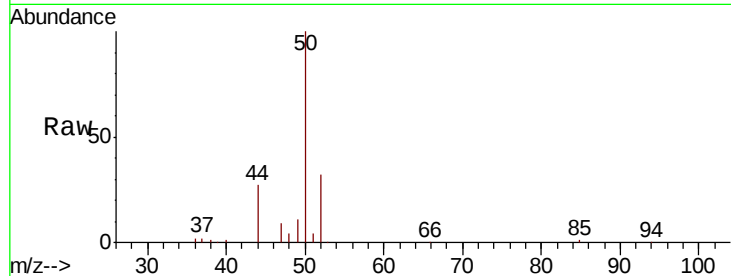
VD1207SBS01

Tot Ion: 50 Resp: 400303

Ion Ratio Lower Upper

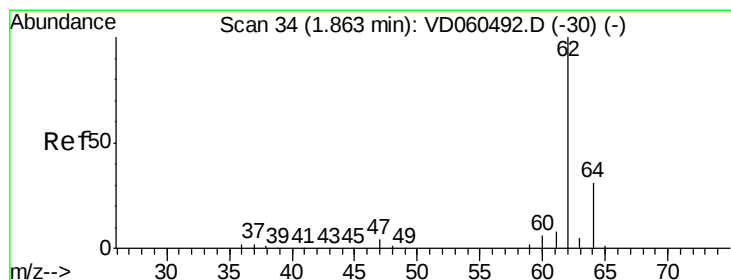
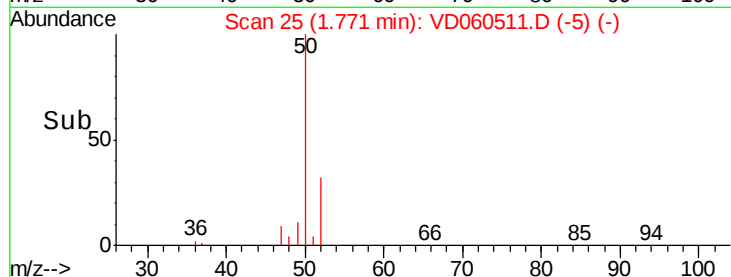
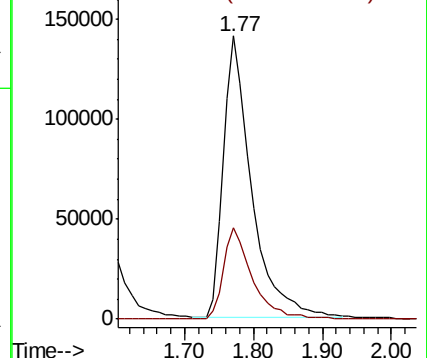
50 100

52 32.1 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.654 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060511.D

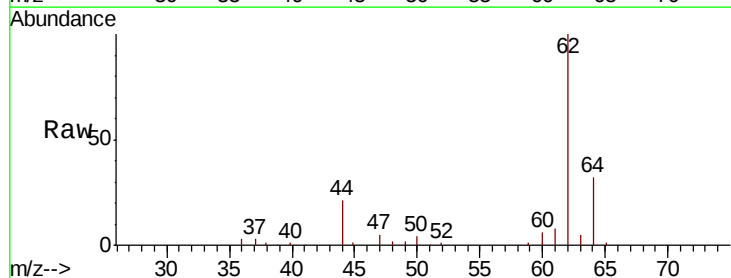
Acq: 7 Dec 2018 11:57

Tgt Ion: 62 Resp: 323830

Ion Ratio Lower Upper

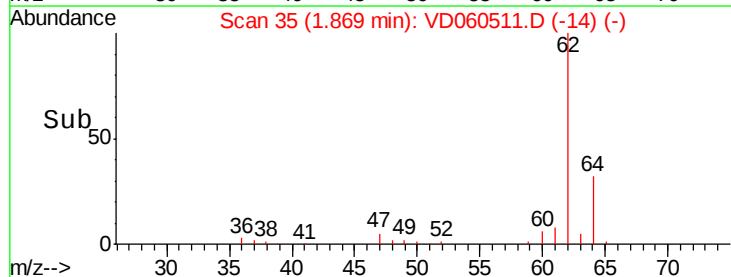
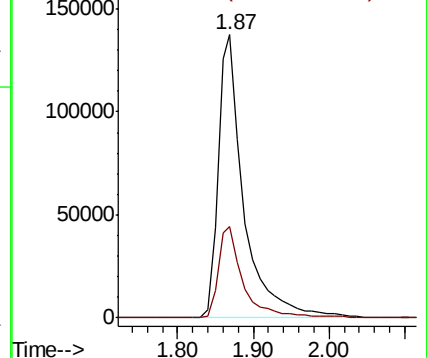
62 100

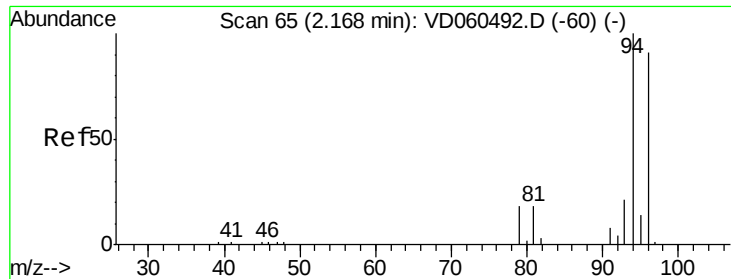
64 32.1 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

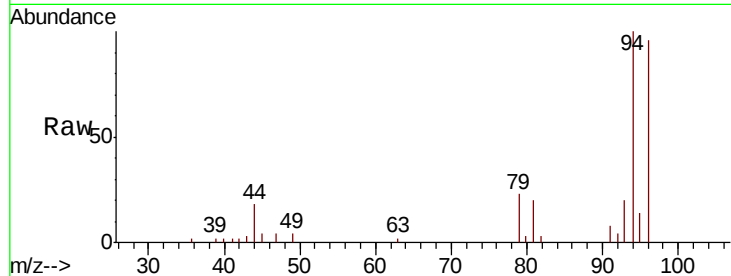




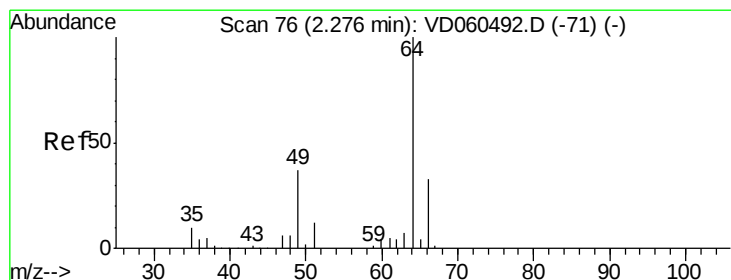
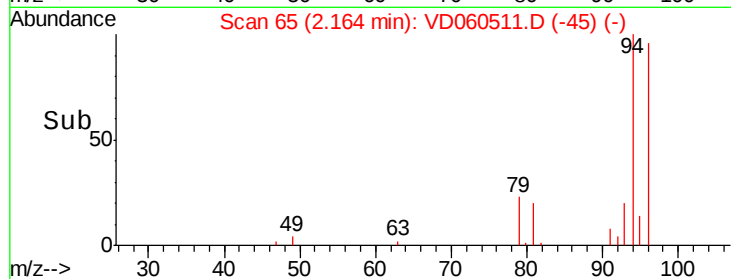
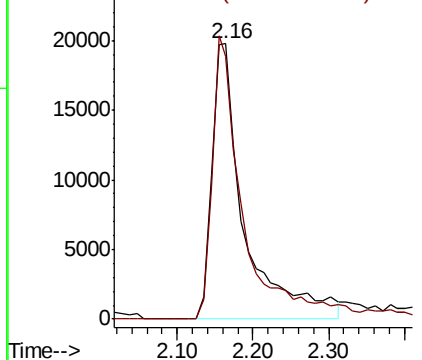
#5
Bromomethane
Concen: 17.354 ug/l
RT: 2.16 min Scan# 65
Delta R.T. -0.00 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 94 Resp: 59437
Ion Ratio Lower Upper
94 100
96 95.5 72.6 108.8

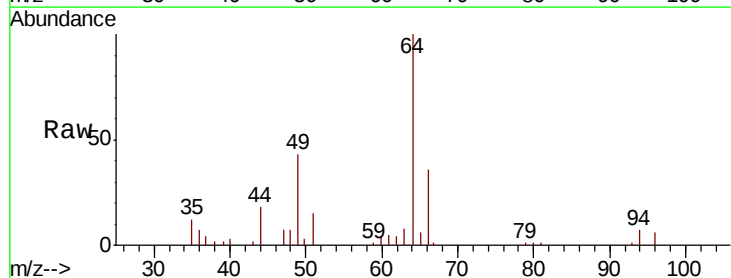


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

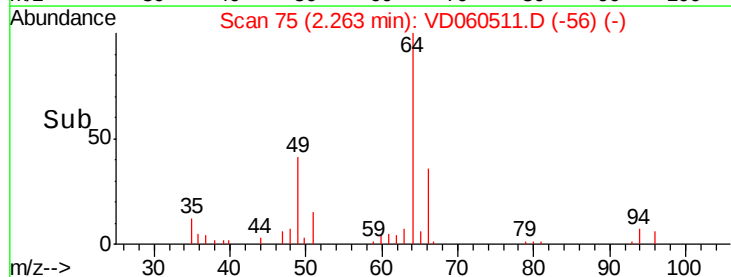
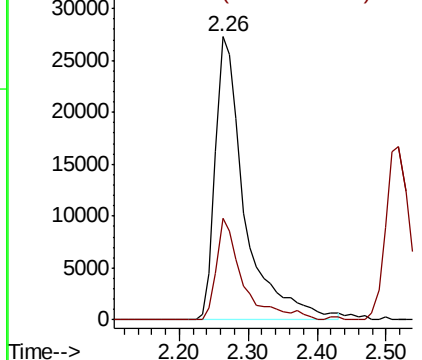


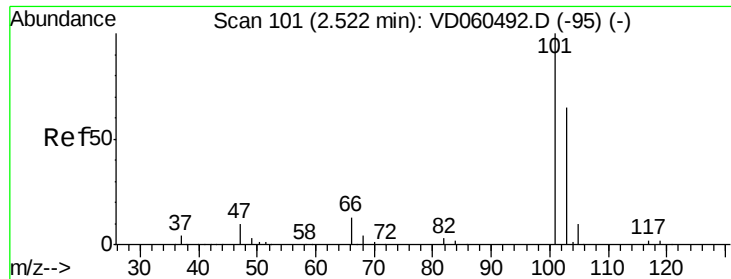
#6
Chloroethane
Concen: 17.119 ug/l
RT: 2.26 min Scan# 75
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 64 Resp: 81151
Ion Ratio Lower Upper
64 100
66 35.7 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



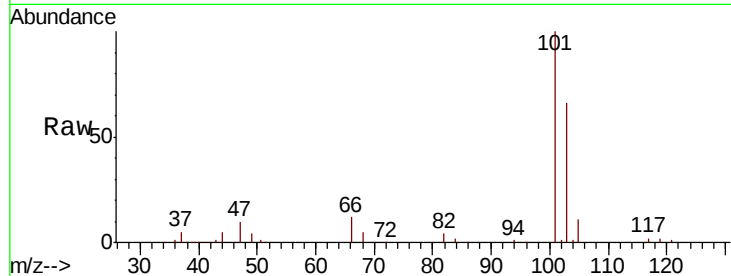


#7

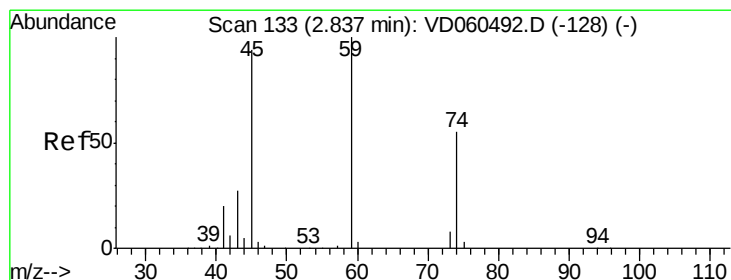
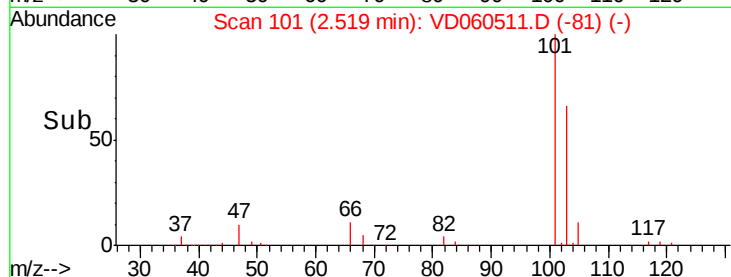
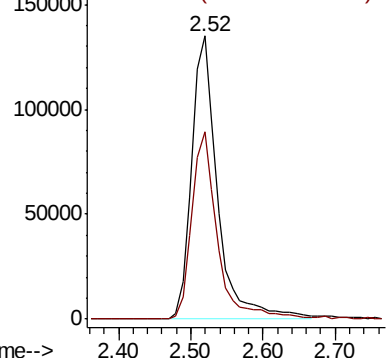
Trichlorofluoromethane
 Concen: 21.106 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:101 Resp: 333641
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.8



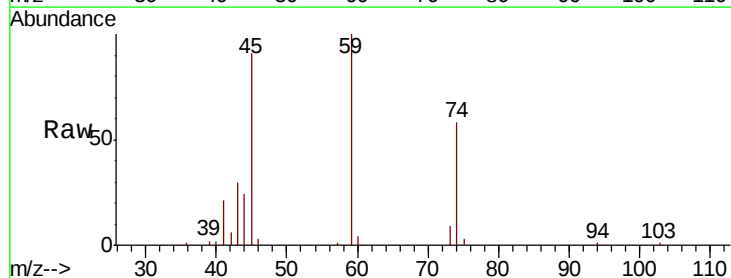
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



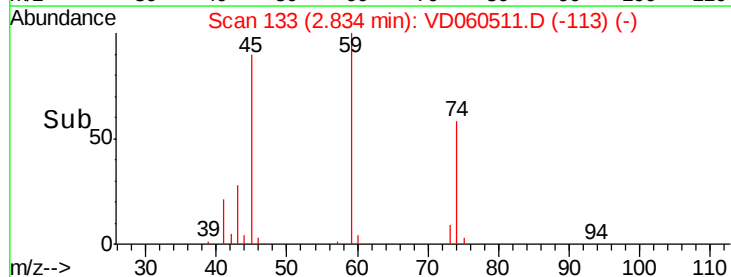
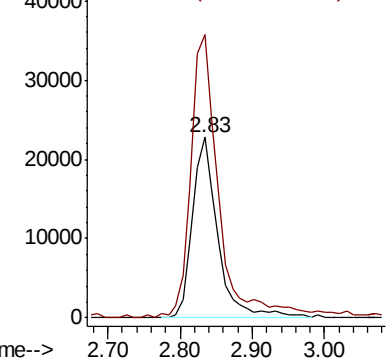
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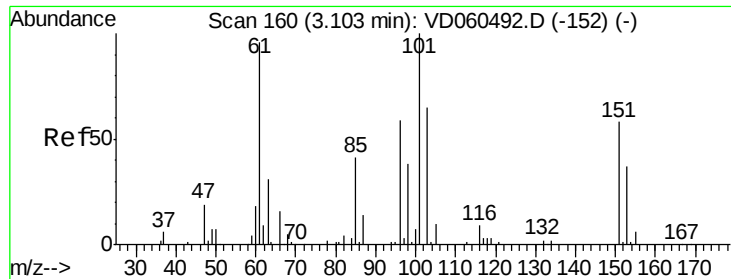
Diethyl Ether
 Concen: 20.283 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 74 Resp: 55382
 Ion Ratio Lower Upper
 74 100
 45 156.6 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: 22.233 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

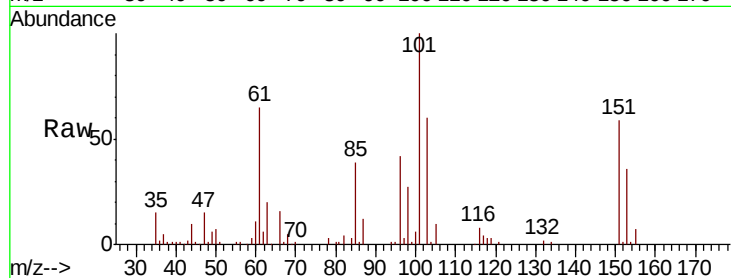
Tot Ion:101 Resp: 228037

Ion Ratio Lower Upper

101 100

85 38.8 32.7 49.1

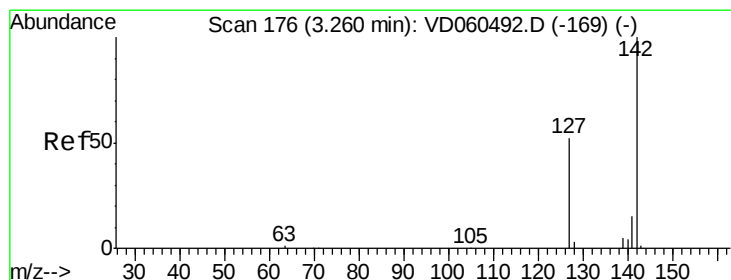
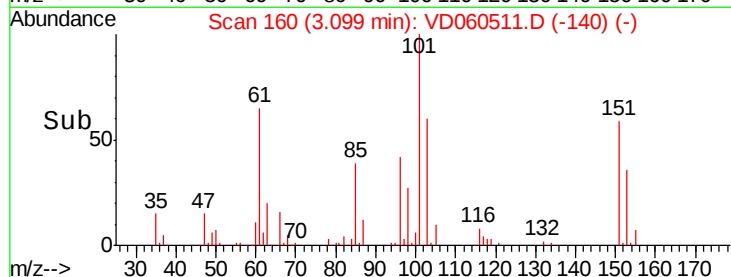
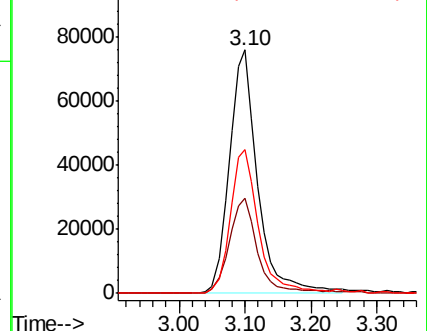
151 59.0 46.6 69.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.969 ug/l

RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

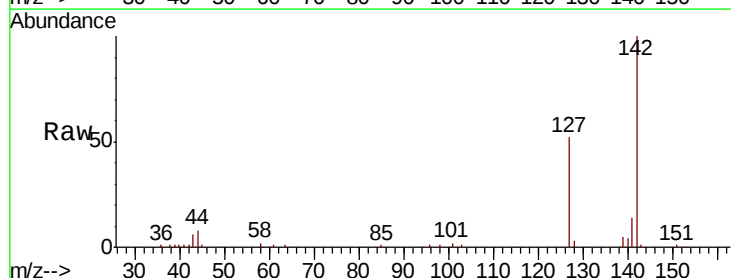
Tgt Ion:142 Resp: 251398

Ion Ratio Lower Upper

142 100

127 51.7 41.2 61.8

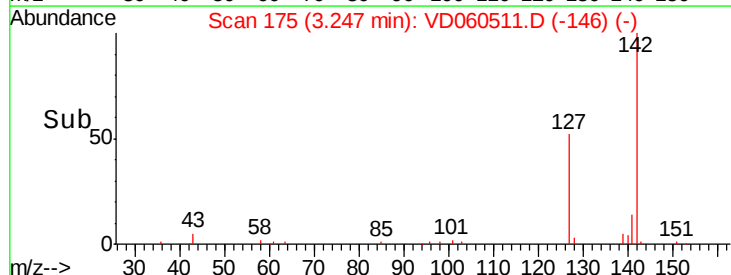
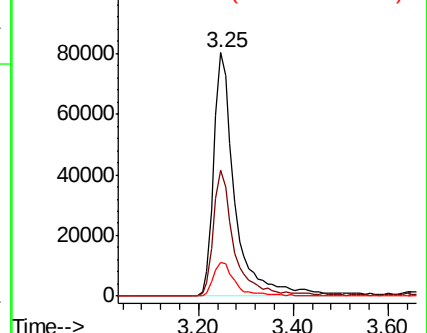
141 14.0 11.9 17.9

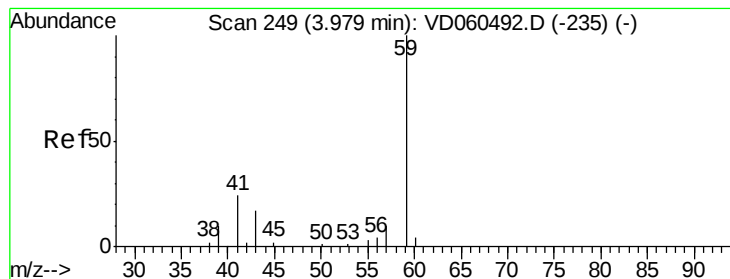


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



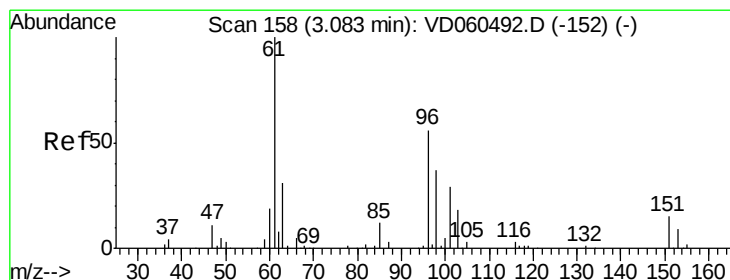
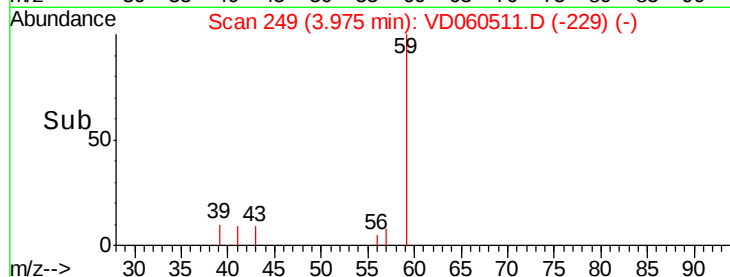
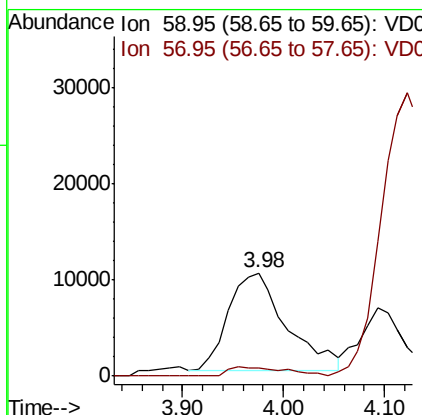
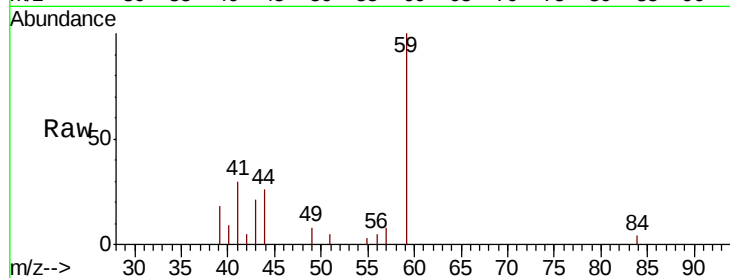


#11

Tert butyl alcohol
 Concen: 82.945 ug/l
 RT: 3.98 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

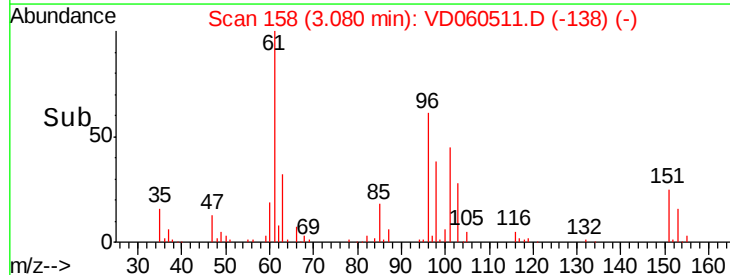
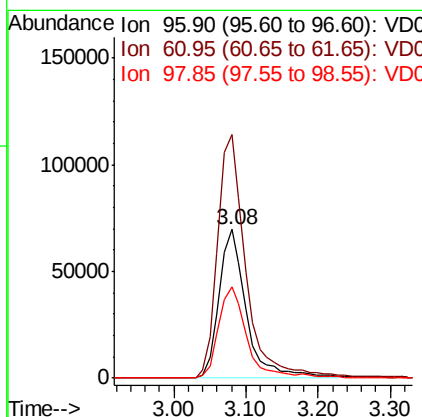
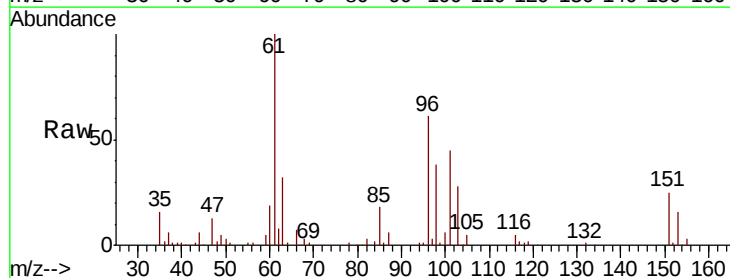
Tot Ion: 59 Resp: 39878
 Ion Ratio Lower Upper
 59 100
 57 7.9 8.1 12.1#

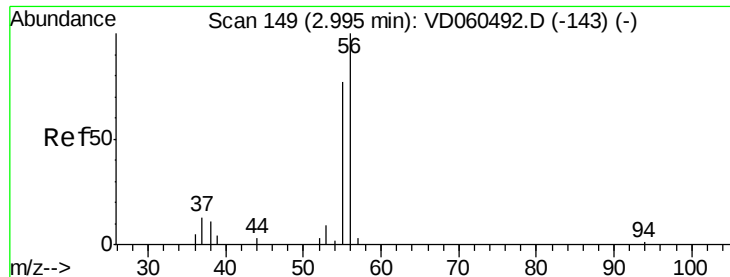


#12

1,1-Dichloroethene
 Concen: 21.868 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 96 Resp: 182491
 Ion Ratio Lower Upper
 96 100
 61 163.9 143.0 214.4
 98 61.7 53.4 80.0

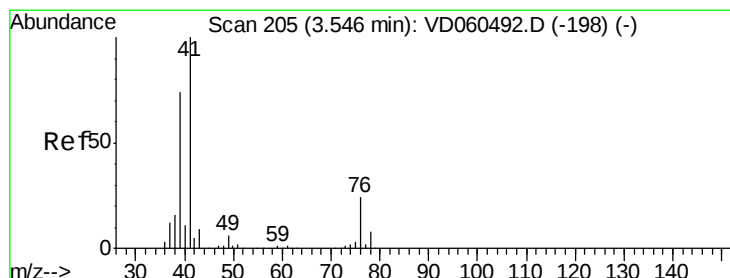
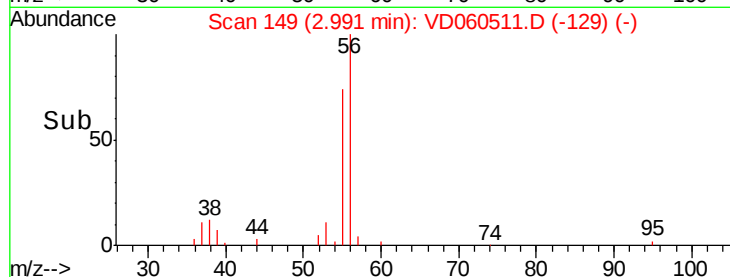
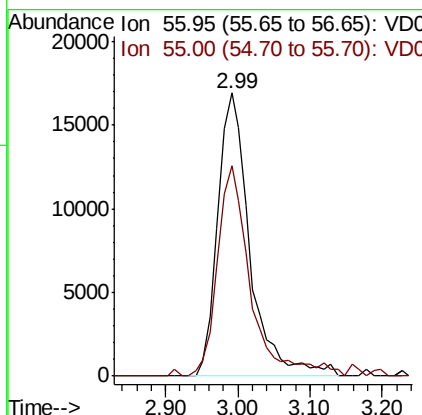
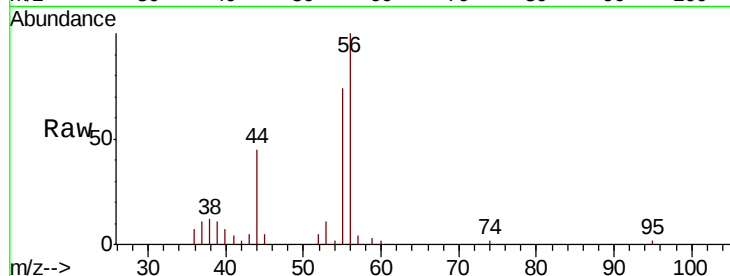




#13
 Acrolein
 Concen: 98.973 ug/l
 RT: 2.99 min Scan# 149
 Delta R.T. -0.00 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

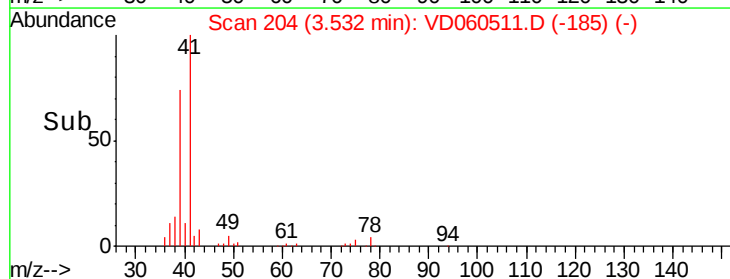
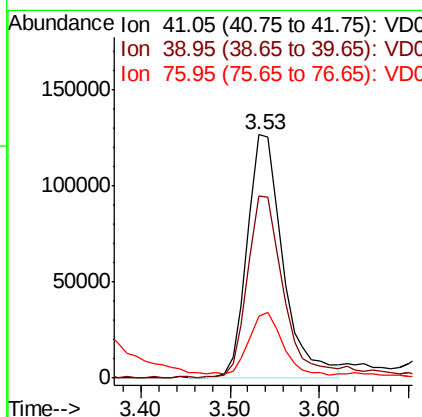
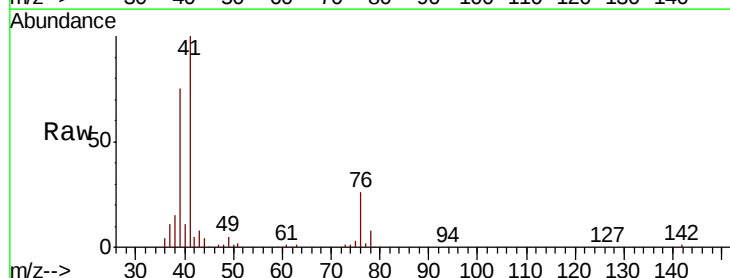
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

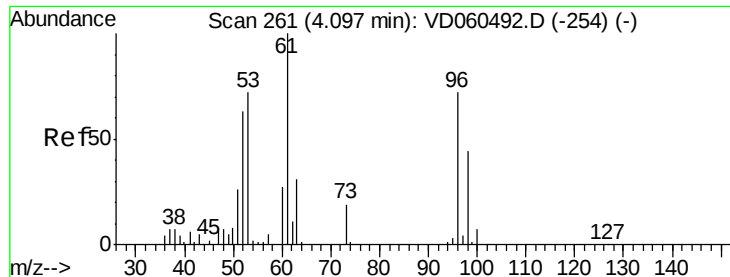
Tot Ion: 56 Resp: 51994
 Ion Ratio Lower Upper
 56 100
 55 74.4 62.0 93.0



#14
 Allyl chloride
 Concen: 22.299 ug/l
 RT: 3.53 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 41 Resp: 353062
 Ion Ratio Lower Upper
 41 100
 39 74.8 59.3 88.9
 76 25.6 21.0 31.6





#15

Acrylonitrile

Concen: 104.999 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

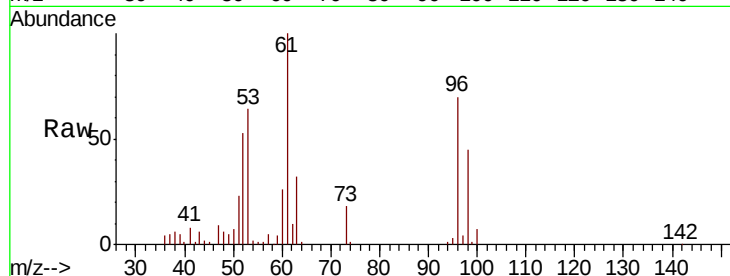
Tot Ion: 53 Resp: 286634

Ion Ratio Lower Upper

53 100

52 82.4 70.0 105.0

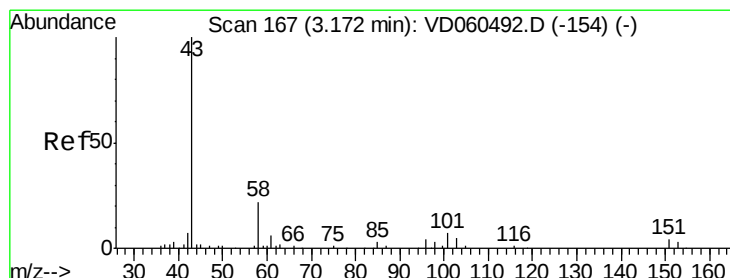
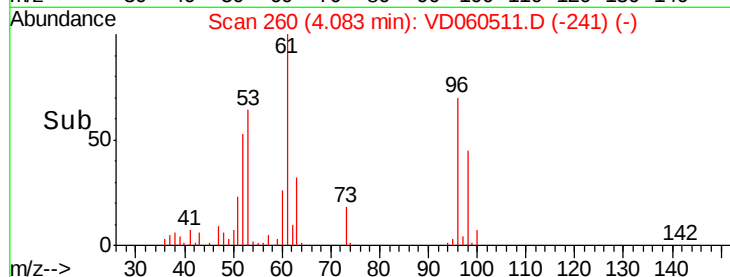
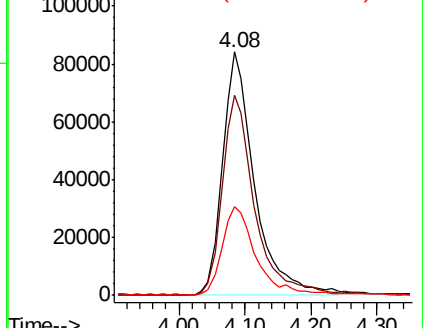
51 36.5 28.8 43.2



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: 92.705 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060511.D

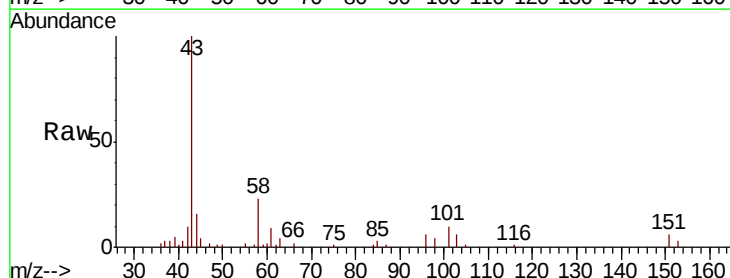
Acq: 7 Dec 2018 11:57

Tgt Ion: 43 Resp: 175850

Ion Ratio Lower Upper

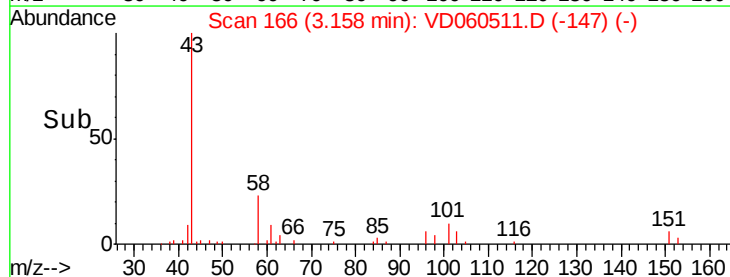
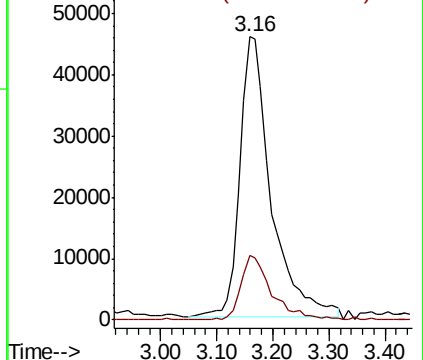
43 100

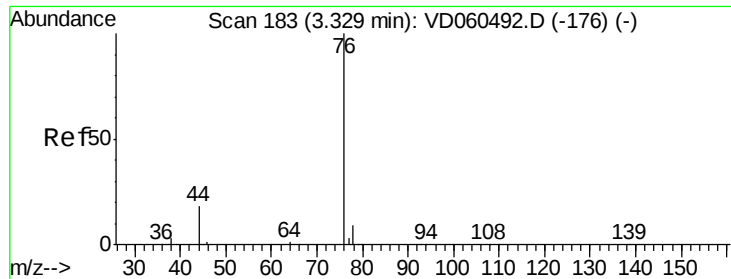
58 22.9 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

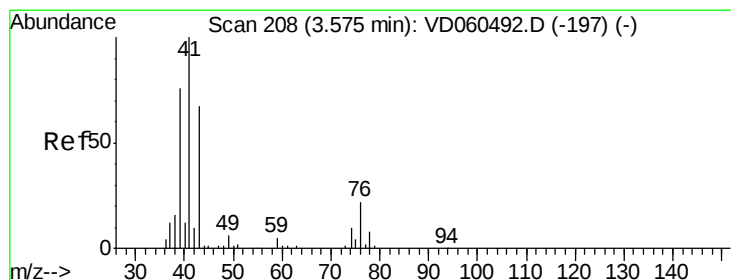
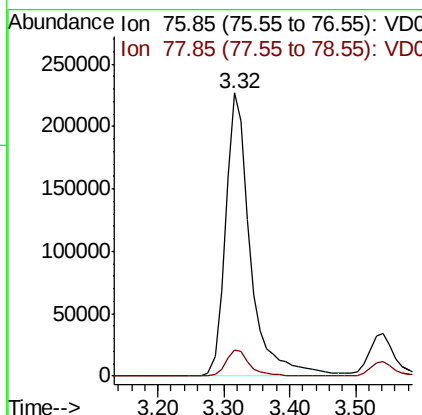
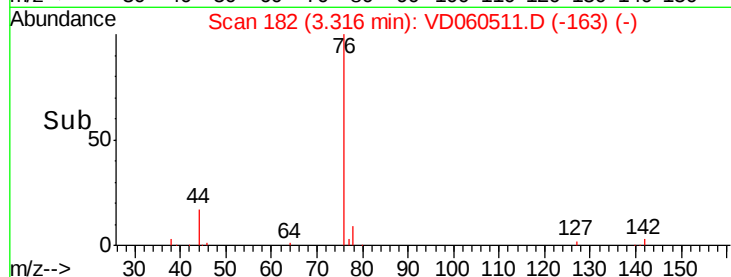
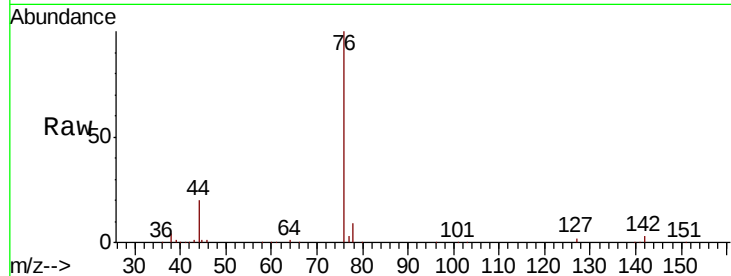




#17
Carbon Disulfide
Concen: 22.039 ug/l
RT: 3.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

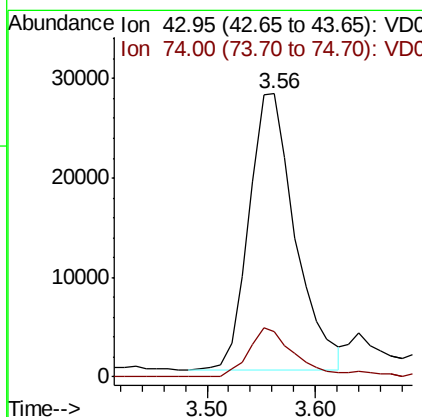
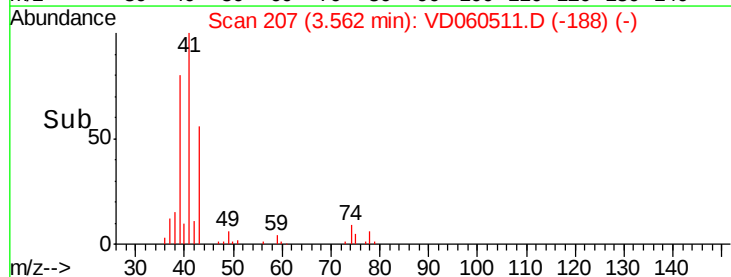
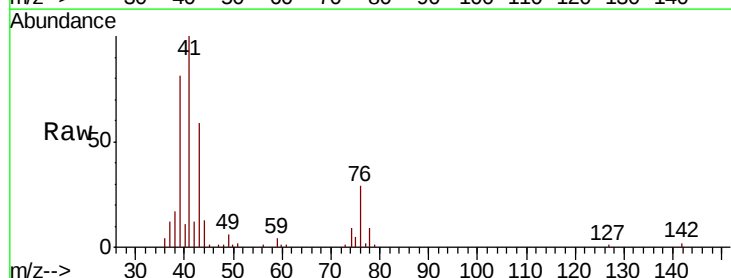
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

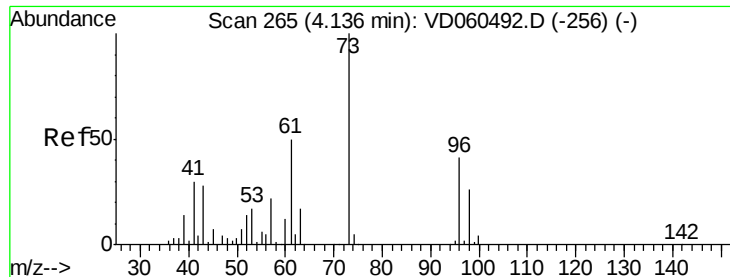
Tot Ion: 76 Resp: 597412
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 18.516 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 43 Resp: 83475
Ion Ratio Lower Upper
43 100
74 15.9 12.0 18.0

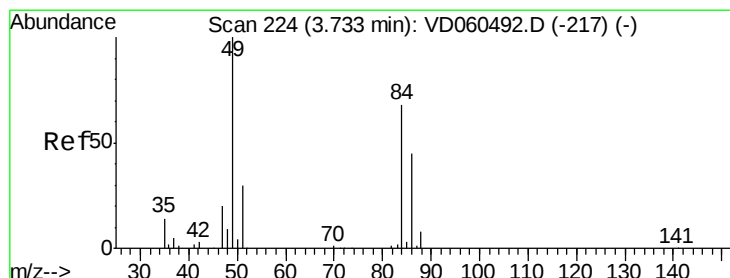
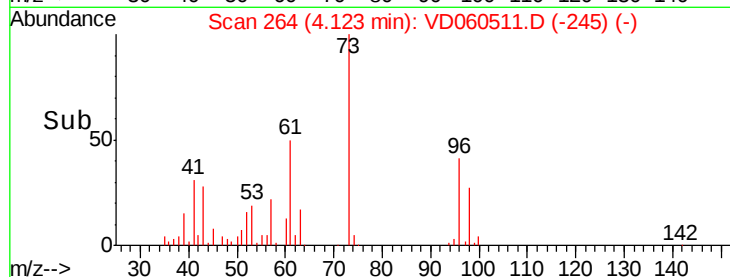
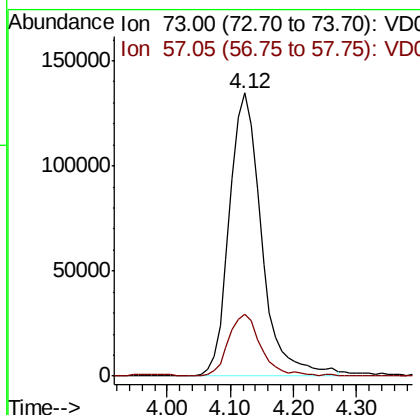
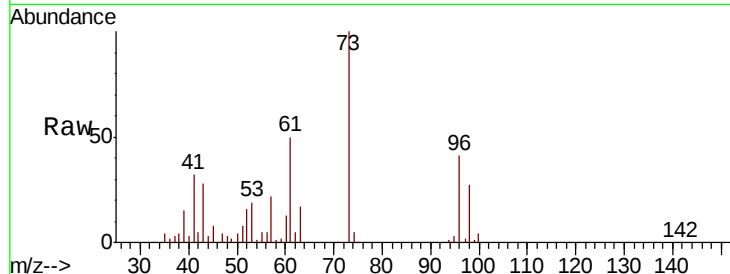




#19
Methyl tert-butyl Ether
Concen: 20.726 ug/l
RT: 4.12 min Scan# 264
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

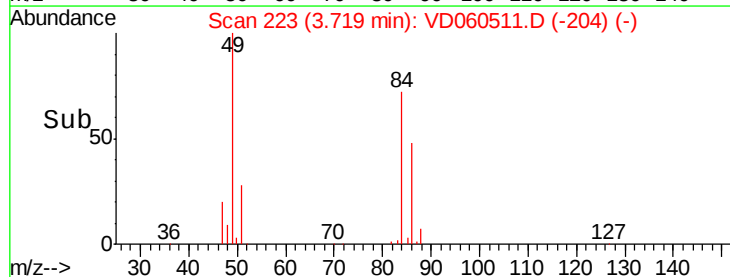
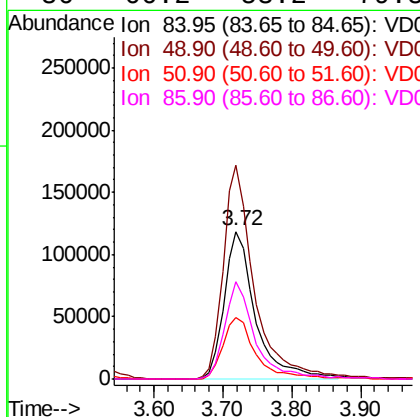
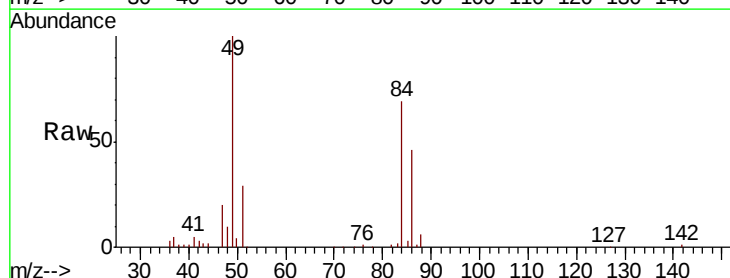
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

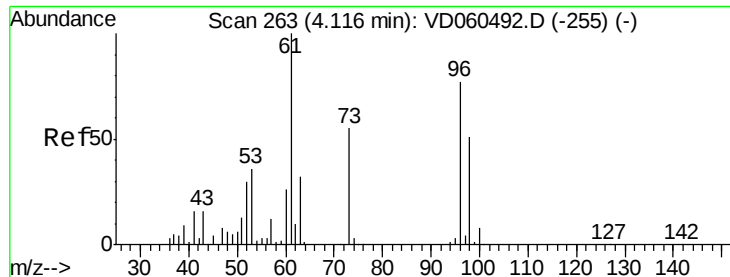
Tot Ion: 73 Resp: 479635
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.6



#20
Methylene Chloride
Concen: 18.430 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 84 Resp: 370187
Ion Ratio Lower Upper
84 100
49 144.6 117.2 175.8
51 41.4 35.3 52.9
86 66.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.562 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

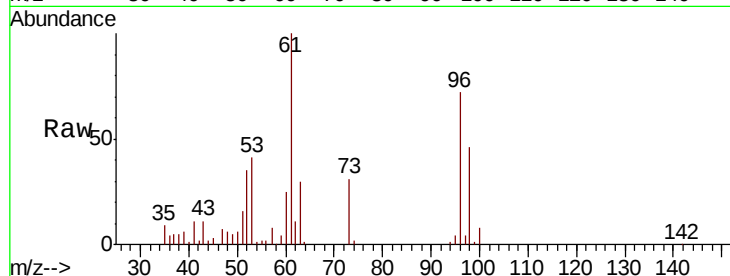
Tot Ion: 96 Resp: 391410

Ion Ratio Lower Upper

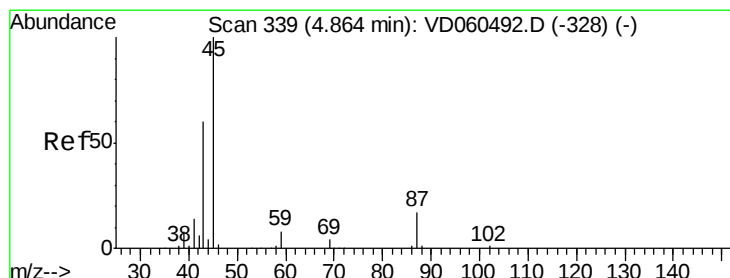
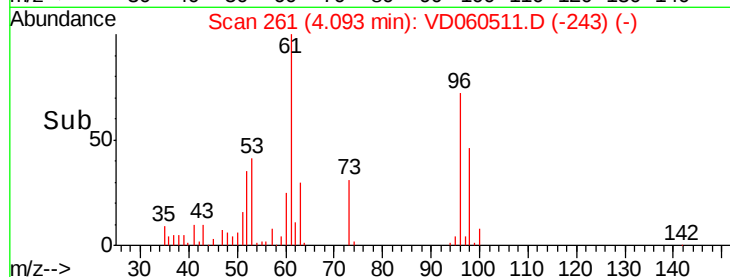
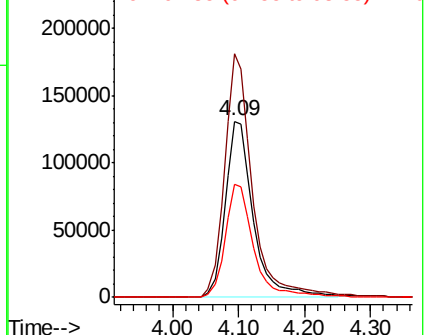
96 100

61 138.4 104.2 156.4

98 64.2 52.8 79.2



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



#22

Diisopropyl ether

Concen: 21.244 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Tgt Ion: 45 Resp: 1207663

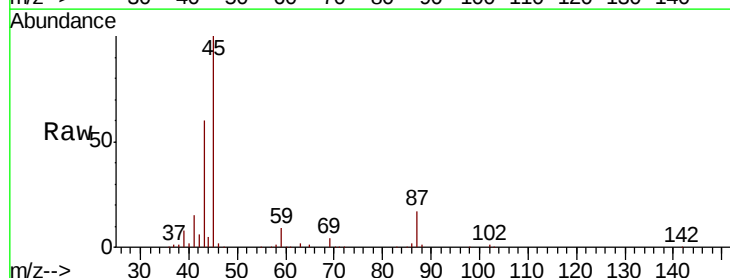
Ion Ratio Lower Upper

45 100

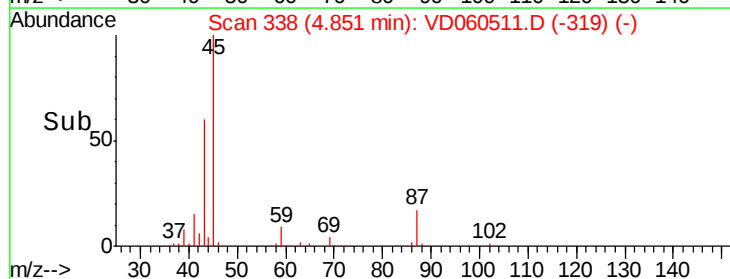
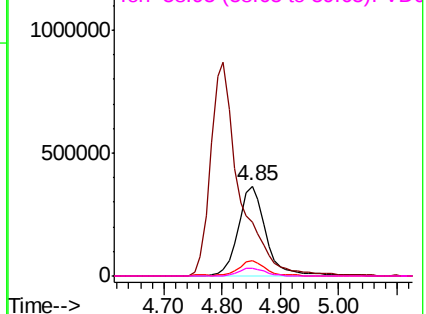
43 59.5 48.6 73.0

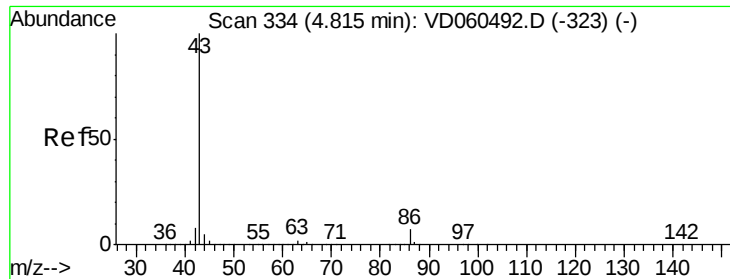
87 17.4 14.0 21.0

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: 105.546 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

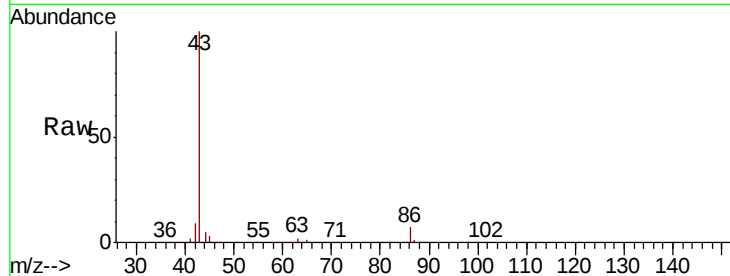
VD1207SBS01

Tot Ion: 43 Resp: 2972722

Ion Ratio Lower Upper

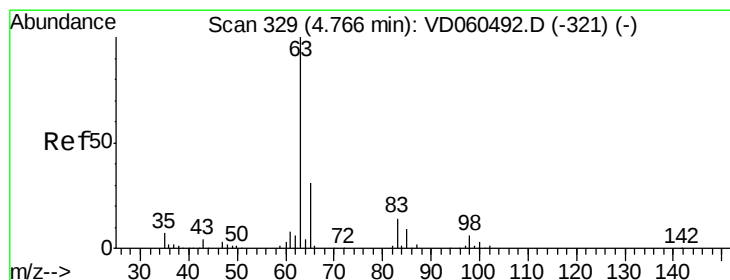
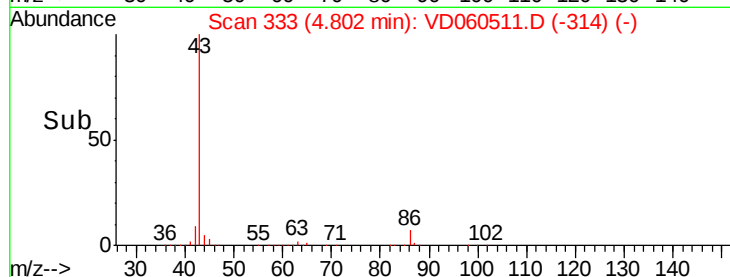
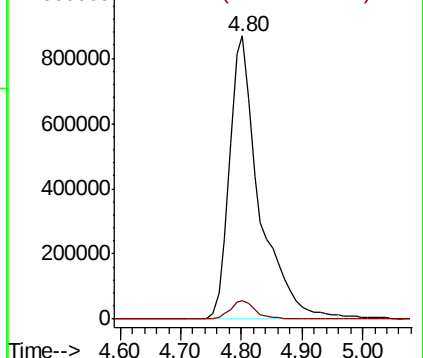
43 100

86 6.6 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.312 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

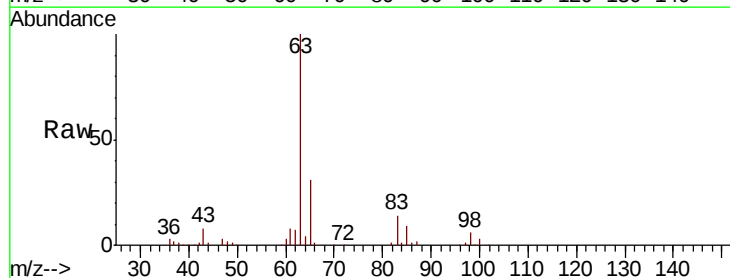
Tgt Ion: 63 Resp: 629395

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

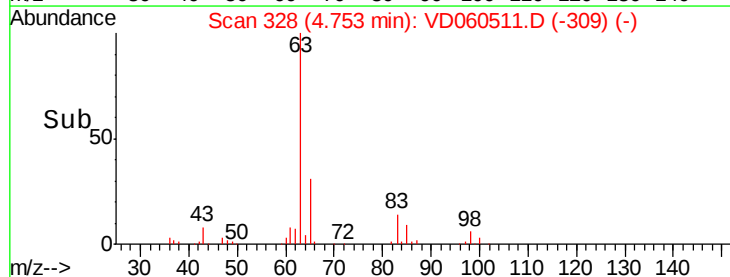
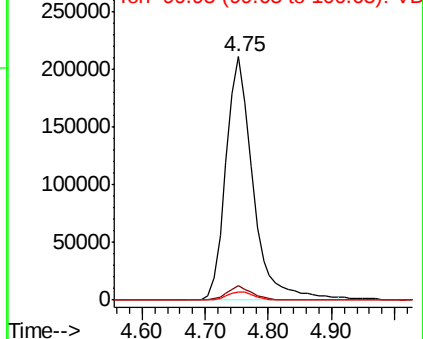
100 3.2 1.7 5.1

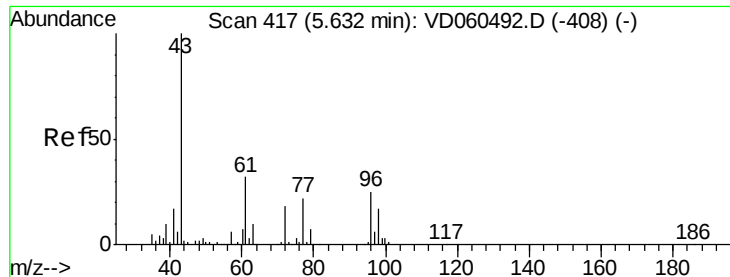


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 100.042 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

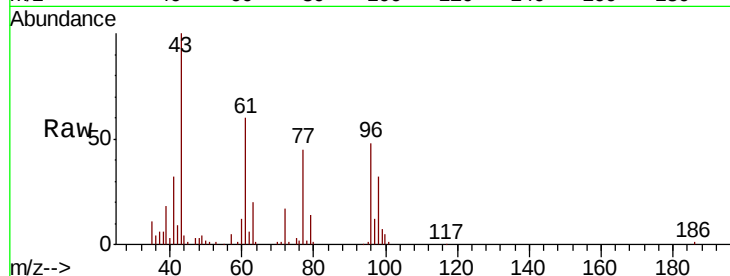
VD1207SBS01

Tot Ion: 43 Resp: 373350

Ion Ratio Lower Upper

43 100

72 16.6 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

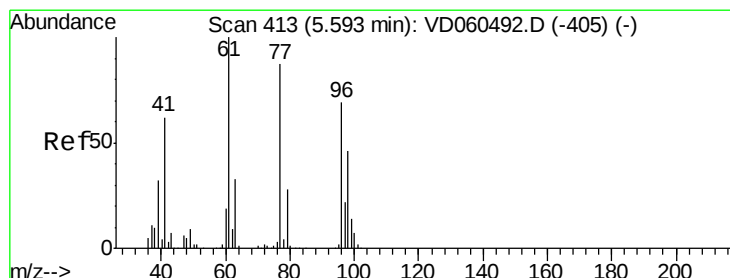
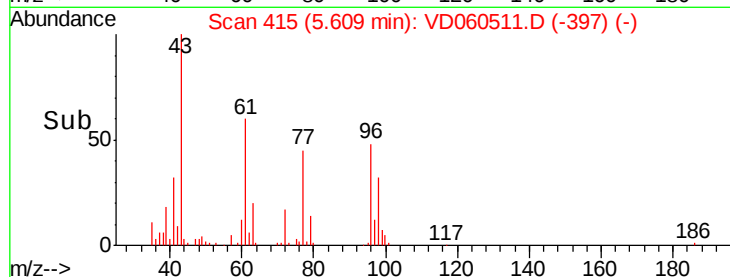
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 22.271 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.01 min

Lab File: VD060511.D

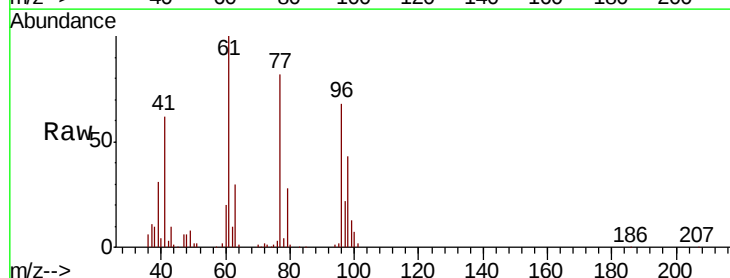
Acq: 7 Dec 2018 11:57

Tgt Ion: 77 Resp: 508098

Ion Ratio Lower Upper

77 100

97 26.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

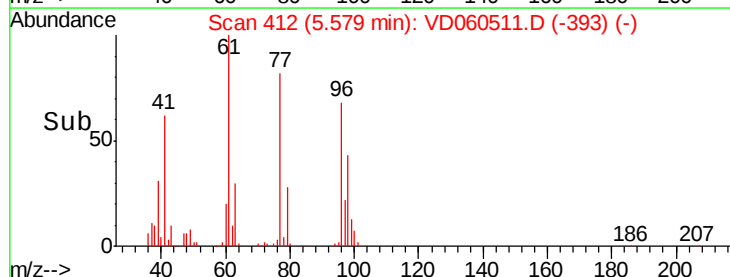
100000

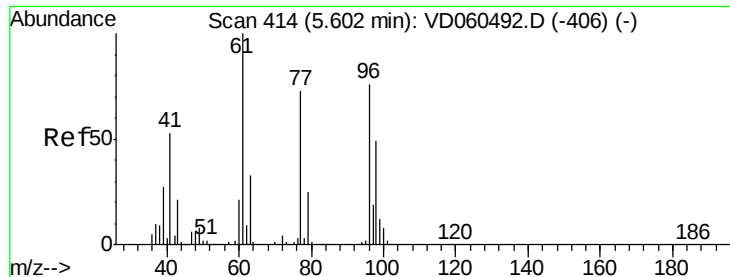
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



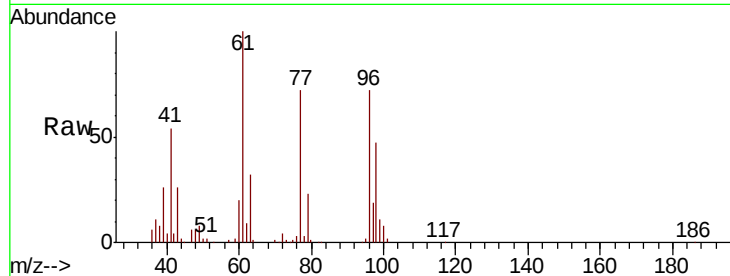


#27

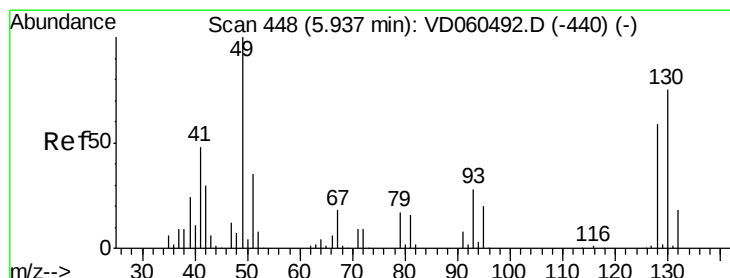
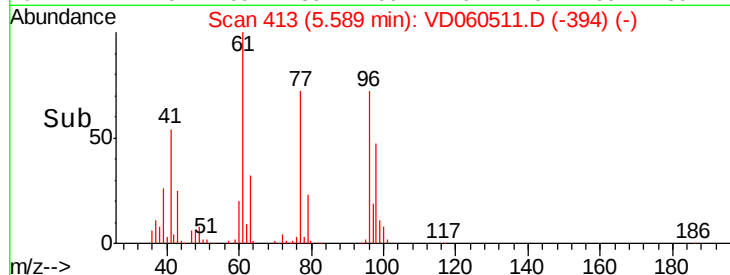
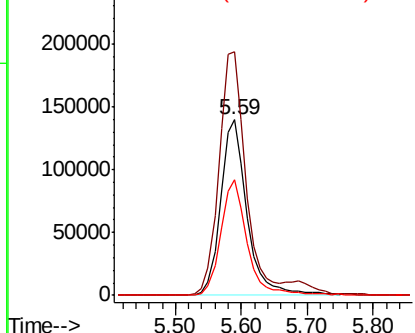
cis-1,2-Dichloroethene
Concen: 21.145 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 96 Resp: 390276
Ion Ratio Lower Upper
96 100
61 138.9 0.0 263.6
98 65.6 0.0 128.2



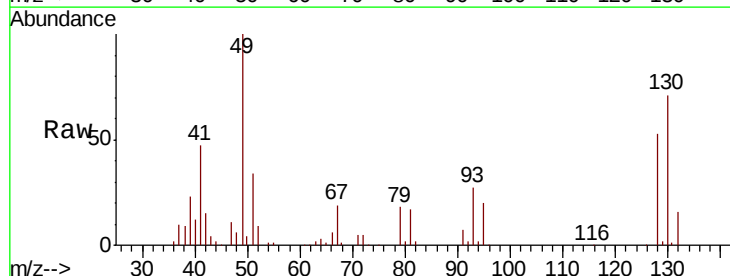
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



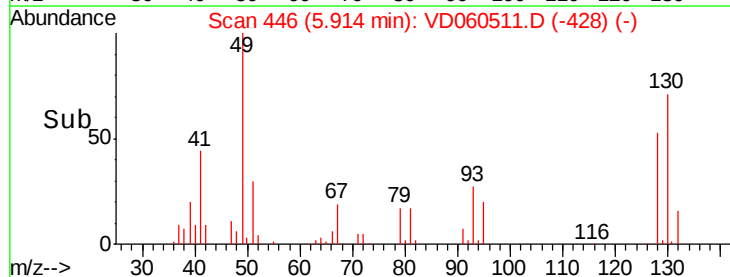
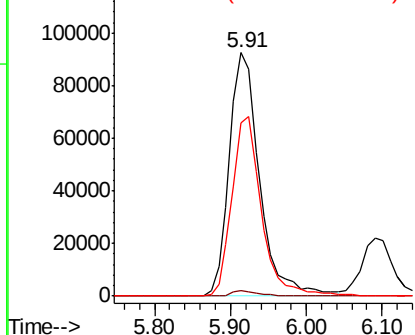
#28

Bromochloromethane
Concen: 19.609 ug/l
RT: 5.91 min Scan# 446
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 49 Resp: 256540
Ion Ratio Lower Upper
49 100
129 2.3 0.0 3.4
130 70.9 59.8 89.6



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

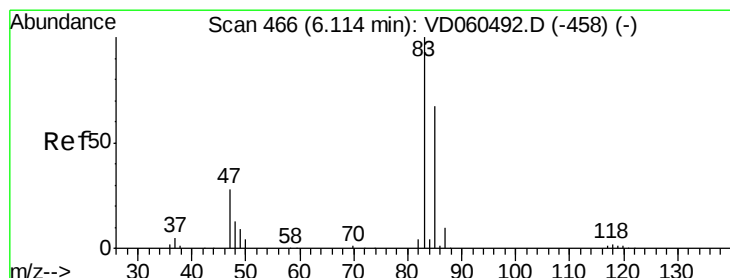
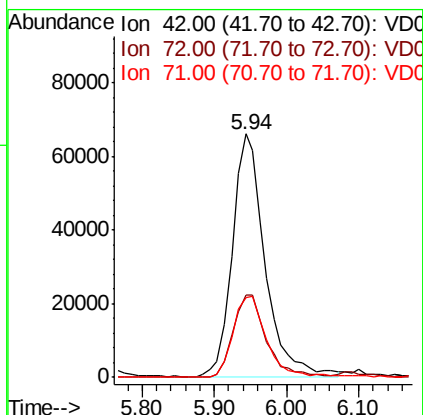
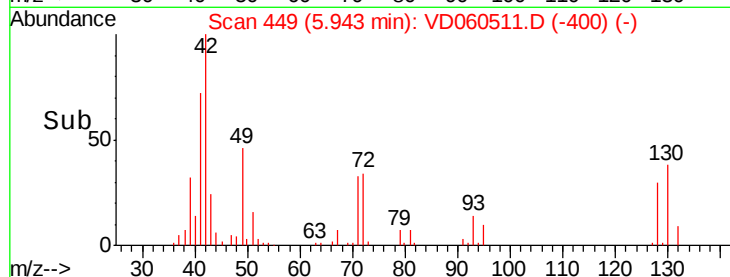
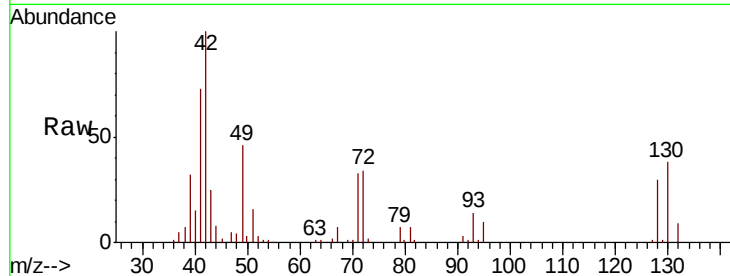




#29
Tetrahydrofuran
Concen: 98.968 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

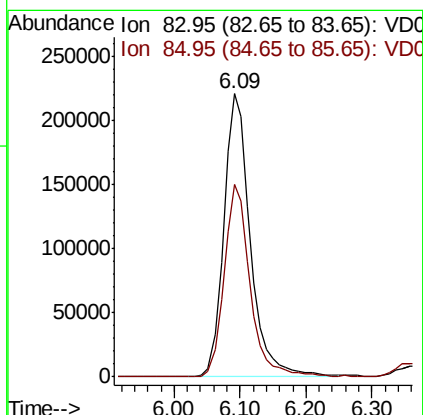
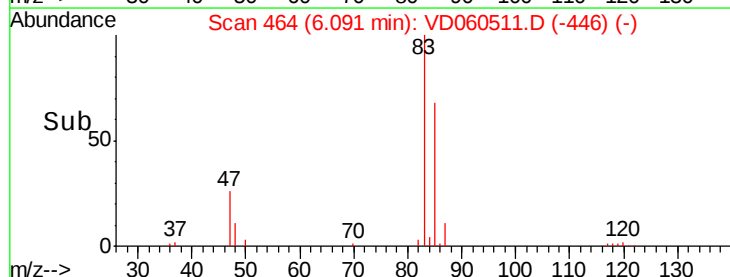
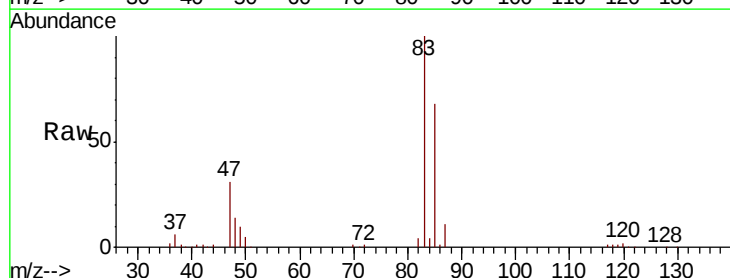
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

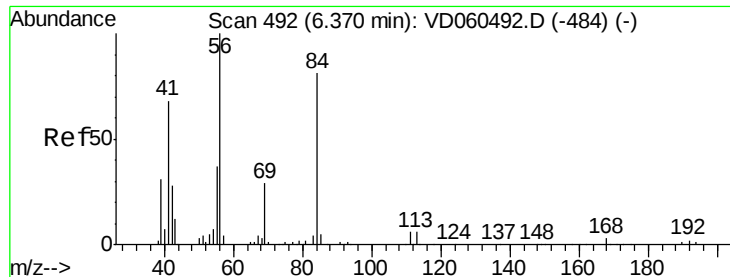
Tot Ion: 42 Resp: 209150
Ion Ratio Lower Upper
42 100
72 34.2 28.0 42.0
71 33.8 27.2 40.8



#30
Chloroform
Concen: 20.881 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 83 Resp: 621272
Ion Ratio Lower Upper
83 100
85 67.8 53.4 80.2

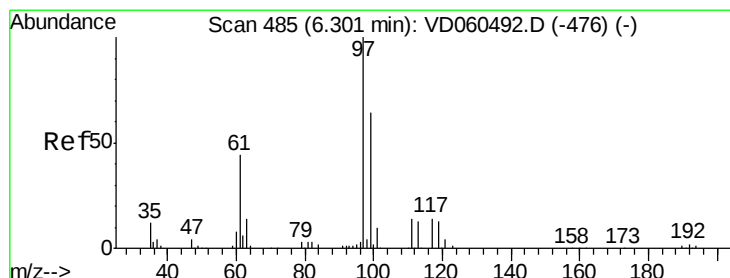
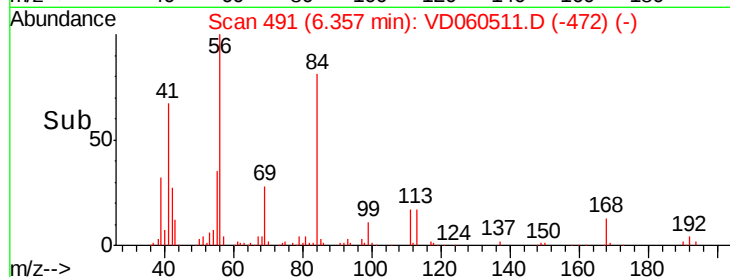
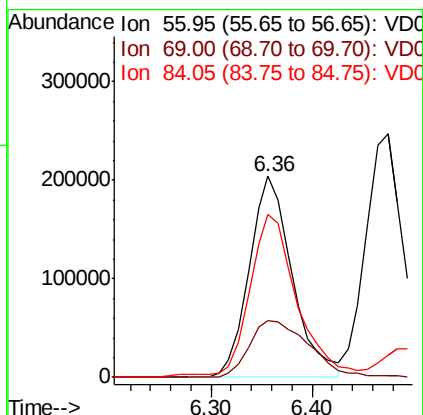
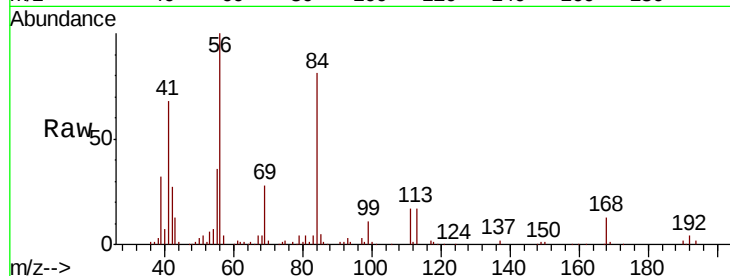




#31
Cyclohexane
Concen: 21.833 ug/l
RT: 6.36 min Scan# 491
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

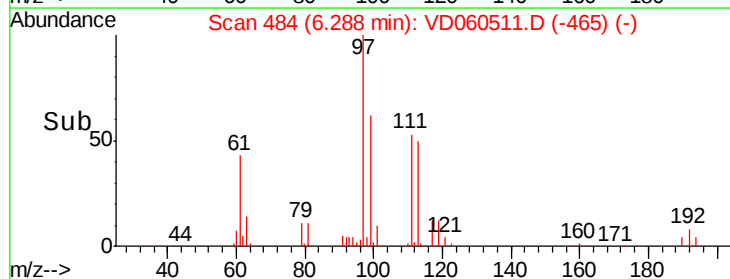
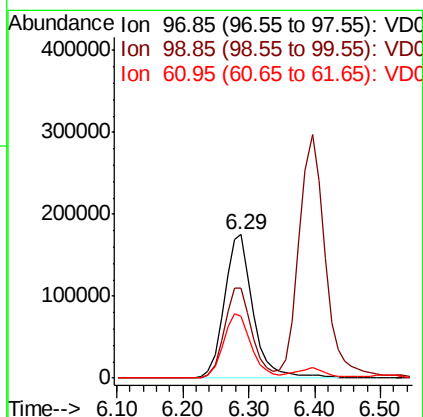
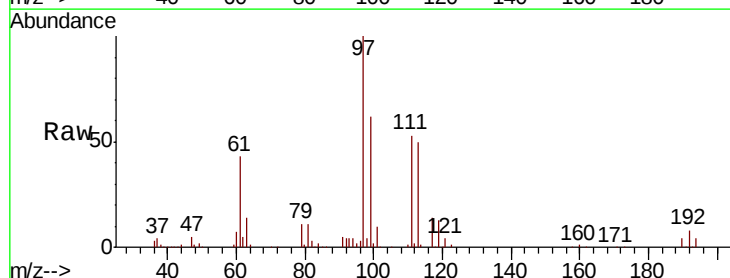
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

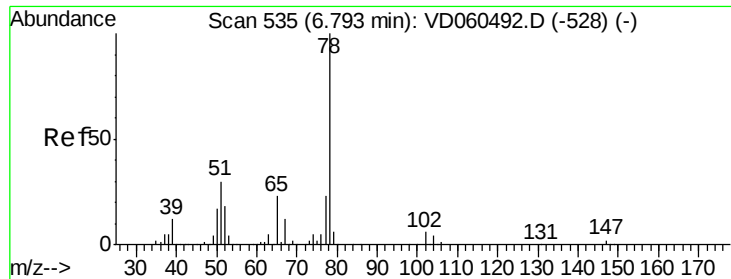
Tot Ion: 56 Resp: 605873
Ion Ratio Lower Upper
56 100
69 28.5 22.8 34.2
84 80.7 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 21.672 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 97 Resp: 530073
Ion Ratio Lower Upper
97 100
99 62.3 51.0 76.4
61 42.7 35.3 52.9

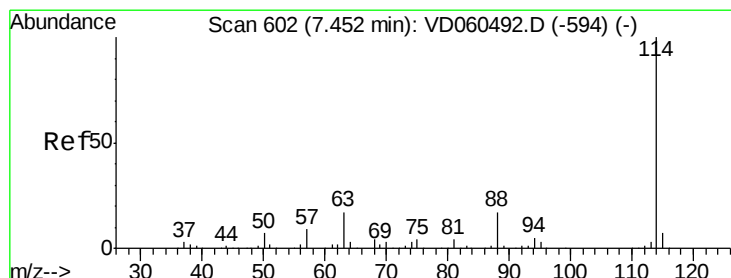
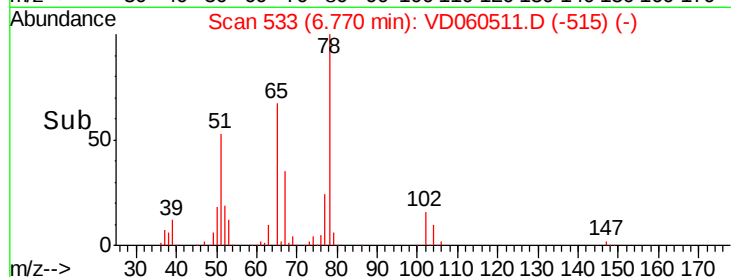
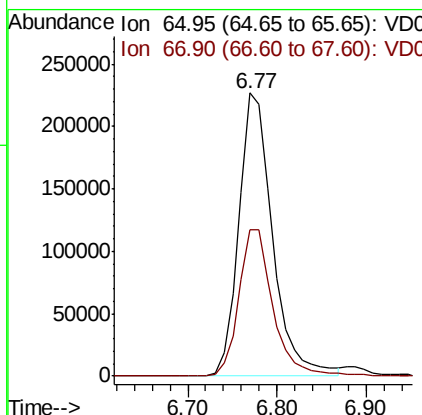
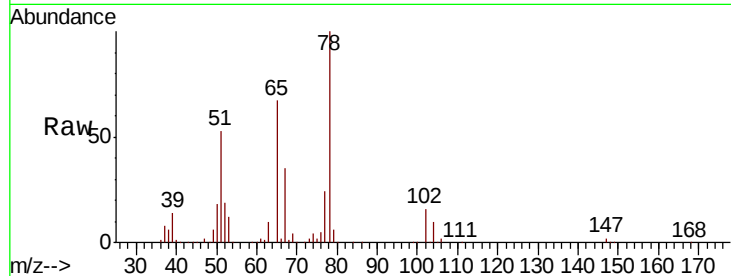




#33
 1,2-Dichloroethane-d4
 Concen: 21.672 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

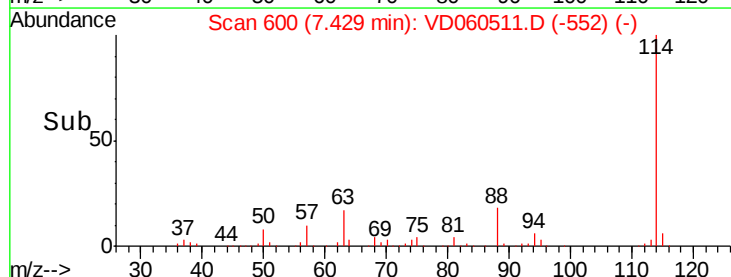
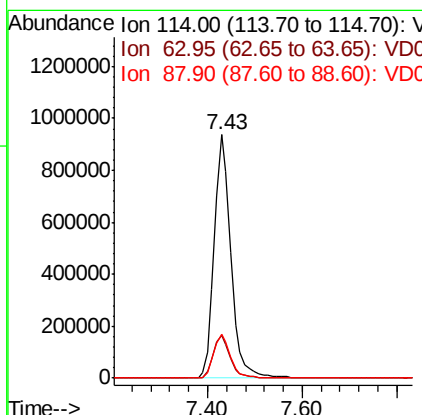
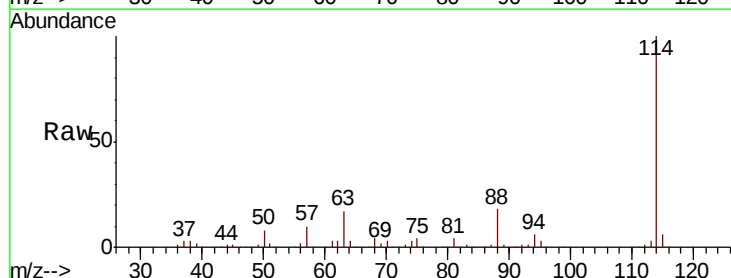
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

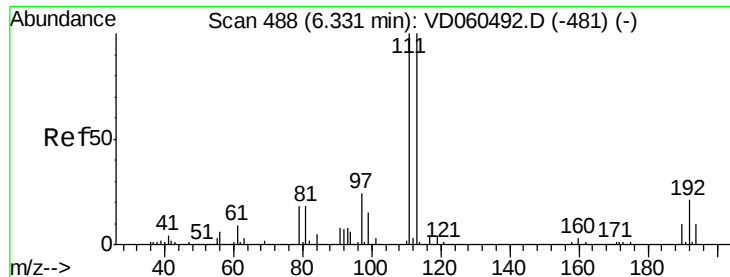
Tot Ion: 65 Resp: 596330
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 114 Resp: 2297542
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.2
 88 18.1 0.0 35.0

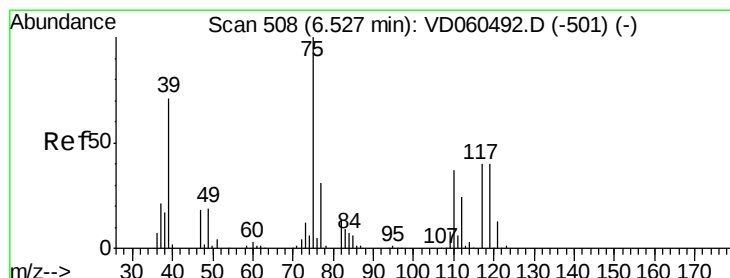
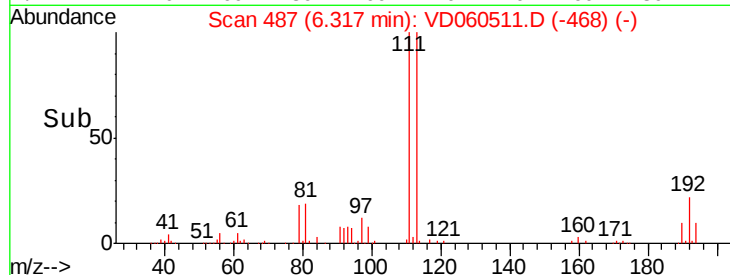
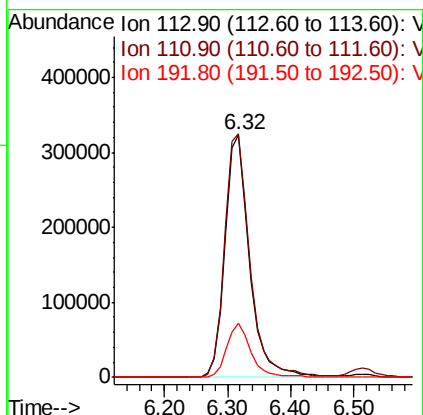
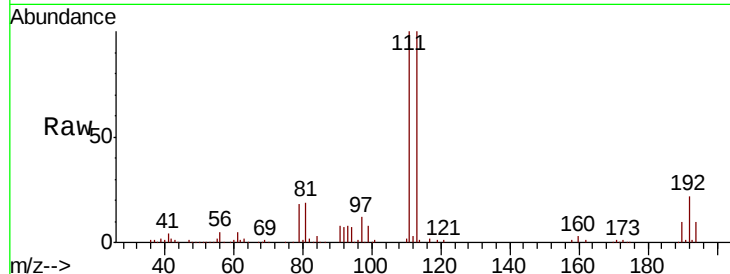




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

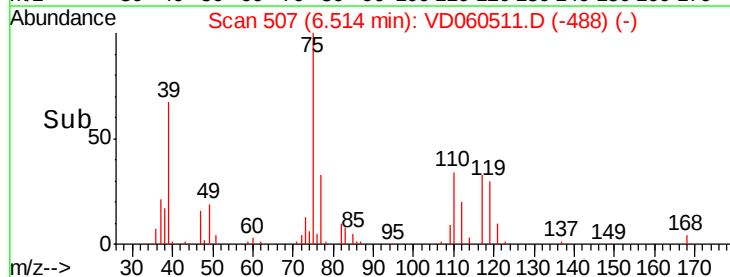
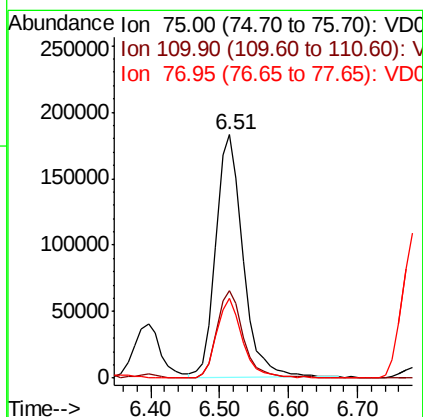
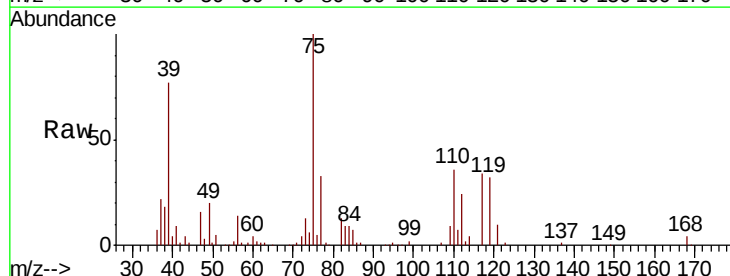
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

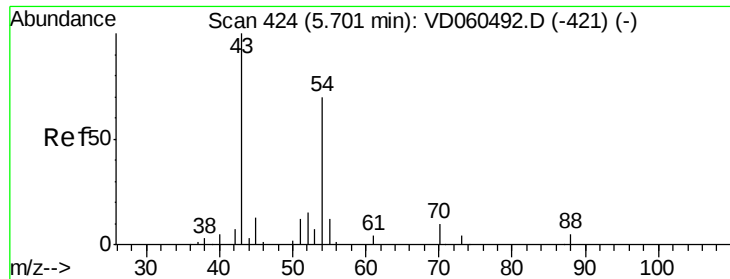
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.2	120.4
192	22.4	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 22.148 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.3	54.8
77	33.0	24.6	37.0

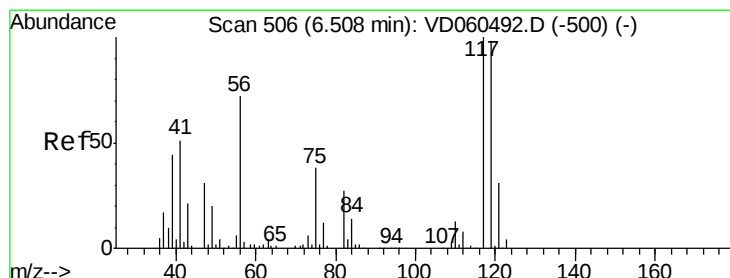
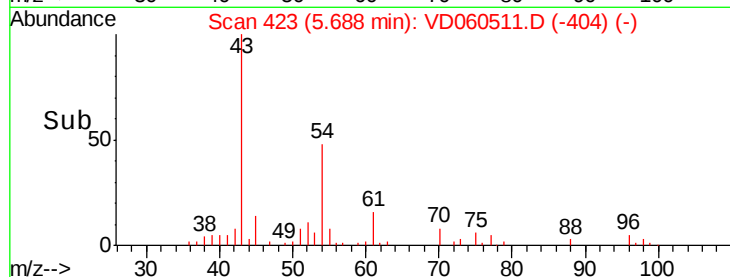
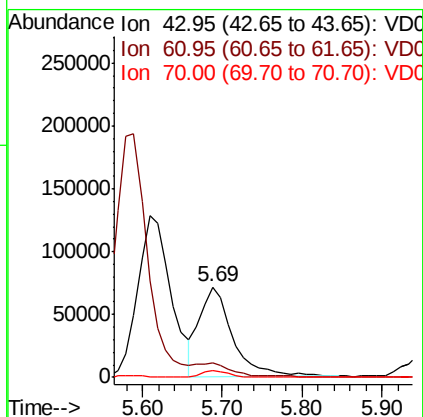
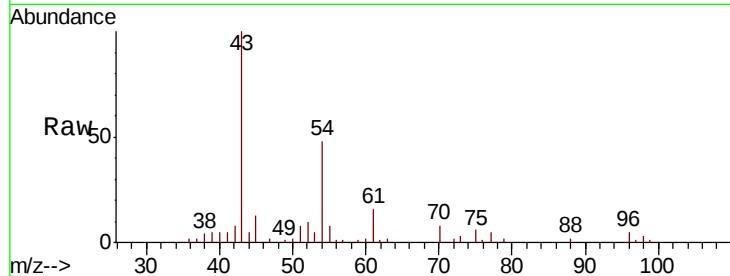




#37
Ethyl Acetate
Concen: 20.808 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

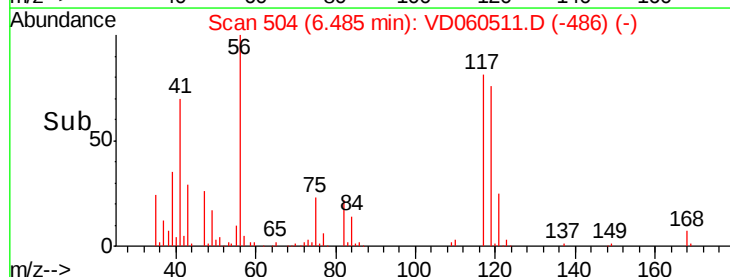
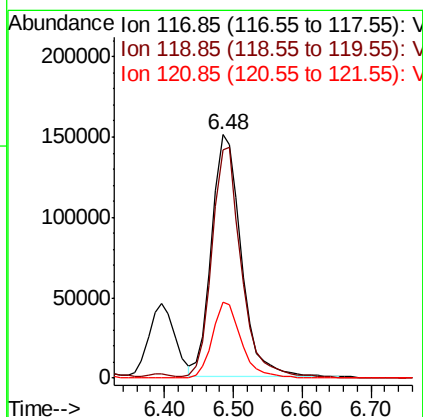
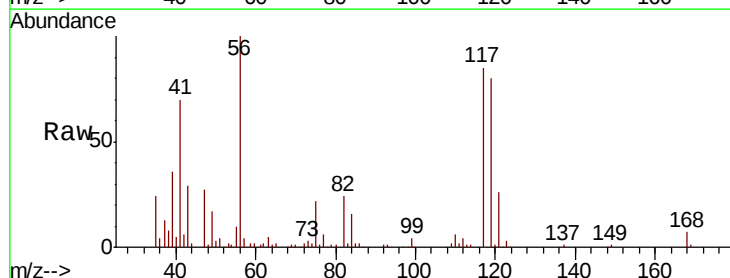
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

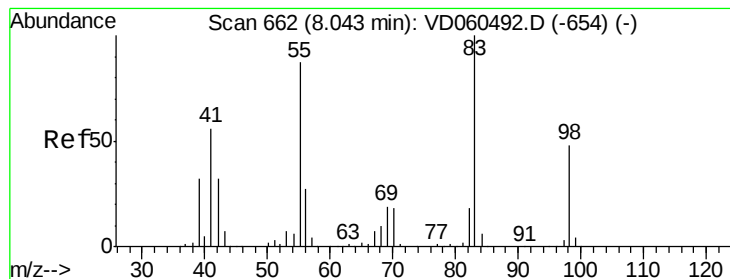
Tot Ion: 43 Resp: 202667
Ion Ratio Lower Upper
43 100
61 15.9 12.4 18.6
70 8.2 5.4 8.0#



#38
Carbon Tetrachloride
Concen: 22.392 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 117 Resp: 451462
Ion Ratio Lower Upper
117 100
119 93.9 76.8 115.2
121 31.1 24.4 36.6





#39

Methvlcvclohexane

Concen: 21.998 ug/l

RT: 8.03 min Scan# 661

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

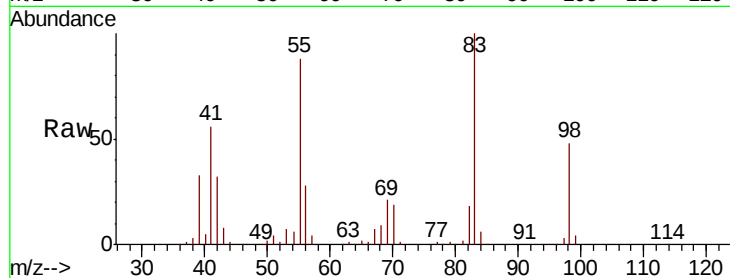
Tot Ion: 83 Resp: 563190

Ion Ratio Lower Upper

83 100

55 88.2 69.8 104.8

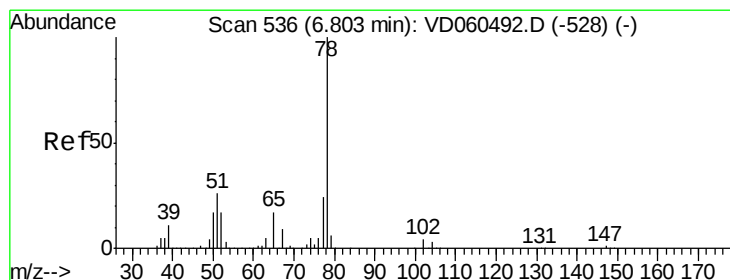
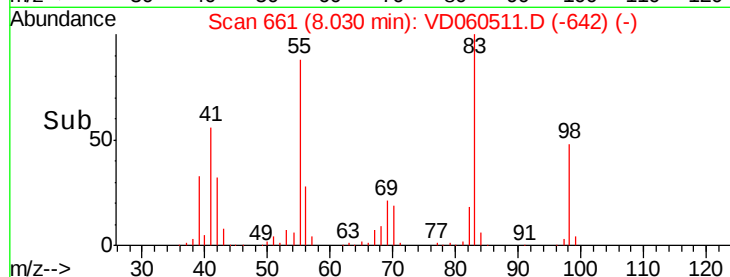
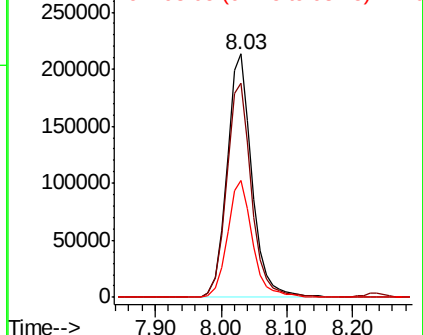
98 47.8 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.574 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060511.D

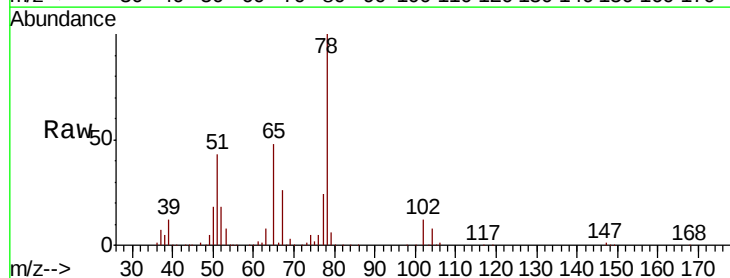
Acq: 7 Dec 2018 11:57

Tgt Ion: 78 Resp: 1238286

Ion Ratio Lower Upper

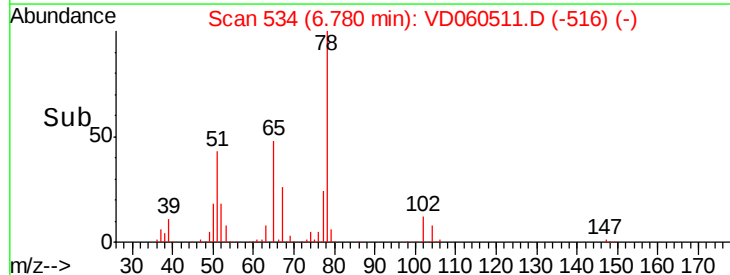
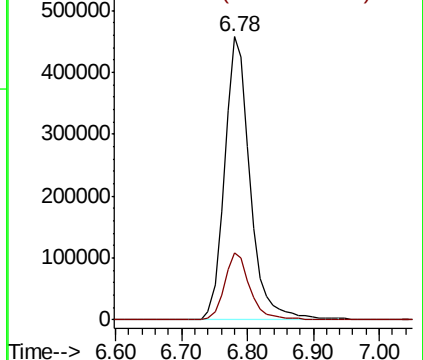
78 100

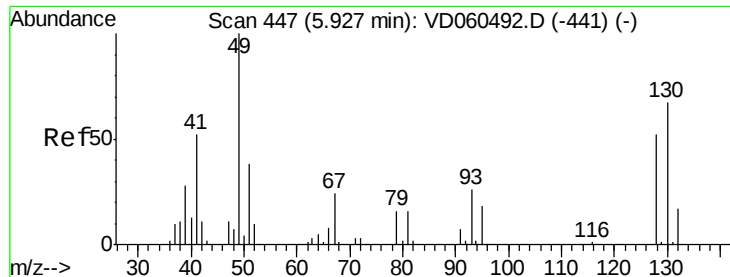
77 23.8 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 44.551 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 41 Resp: 233911

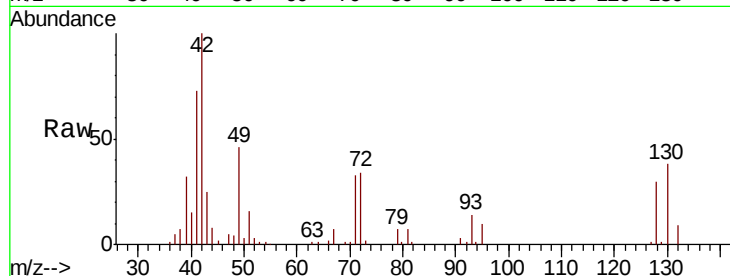
Ion Ratio Lower Upper

41 100

39 44.6 42.6 63.8

67 9.1 36.2 54.4#

52 4.2 15.6 23.4#

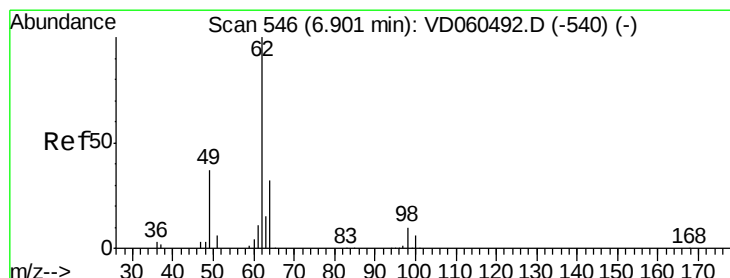
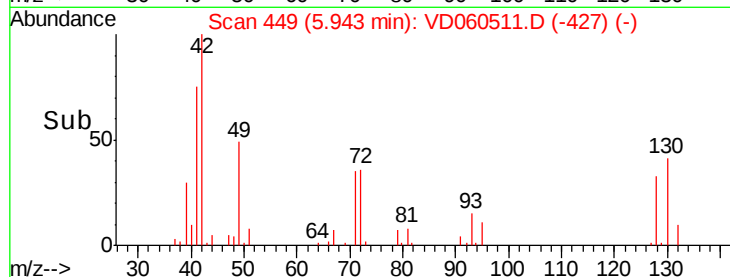
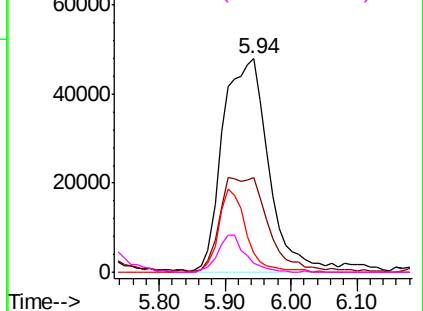


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.374 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD060511.D

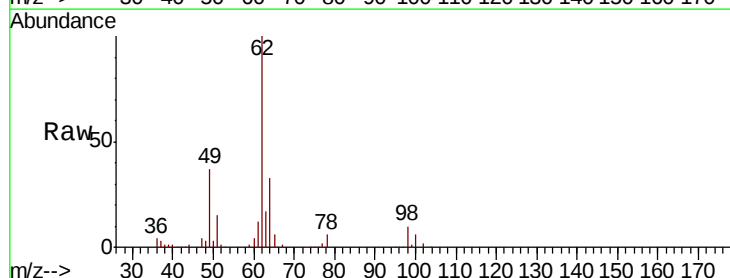
Acq: 7 Dec 2018 11:57

Tgt Ion: 62 Resp: 311910

Ion Ratio Lower Upper

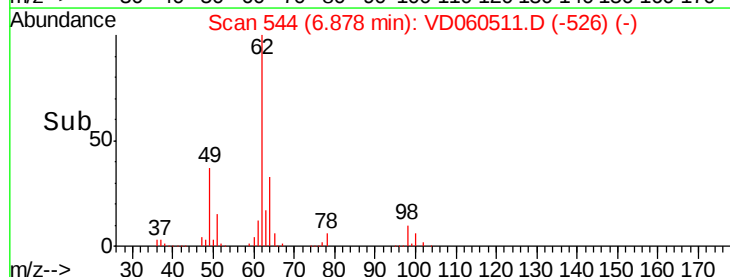
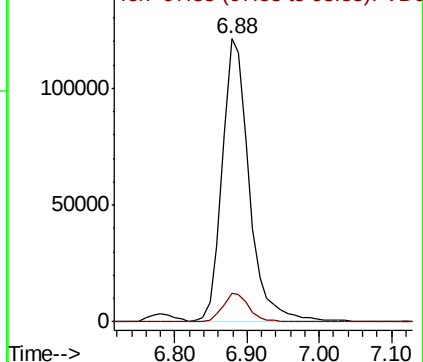
62 100

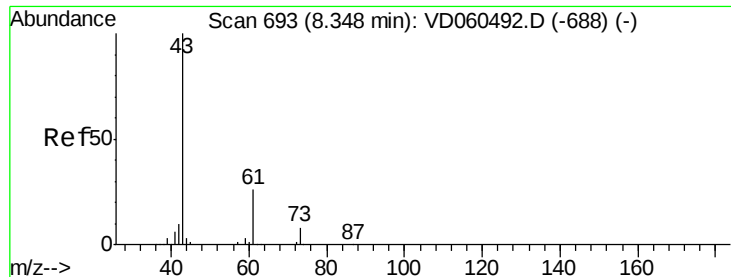
98 10.0 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.343 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

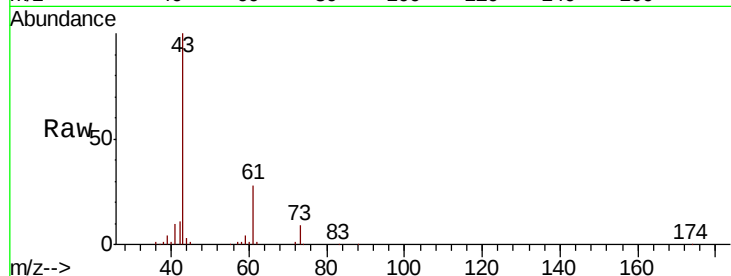
Tot Ion: 43 Resp: 244588

Ion Ratio Lower Upper

43 100

61 27.6 21.0 31.4

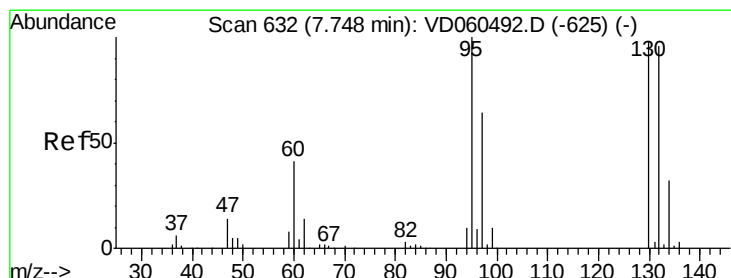
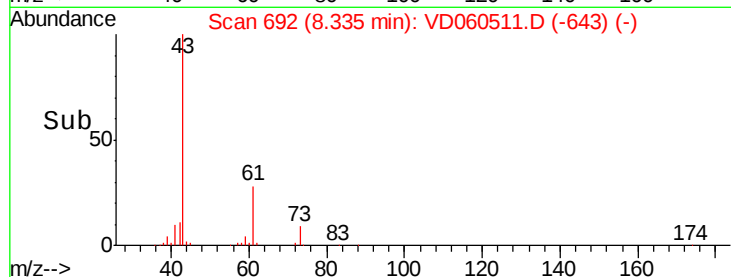
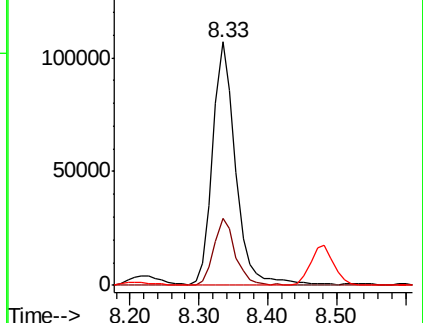
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.508 ug/l

RT: 7.72 min Scan# 630

Delta R.T. -0.02 min

Lab File: VD060511.D

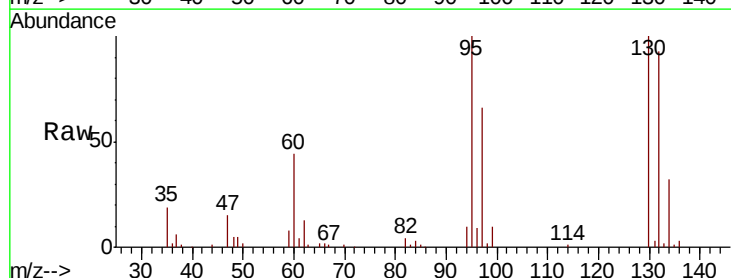
Acq: 7 Dec 2018 11:57

Tgt Ion:130 Resp: 368923

Ion Ratio Lower Upper

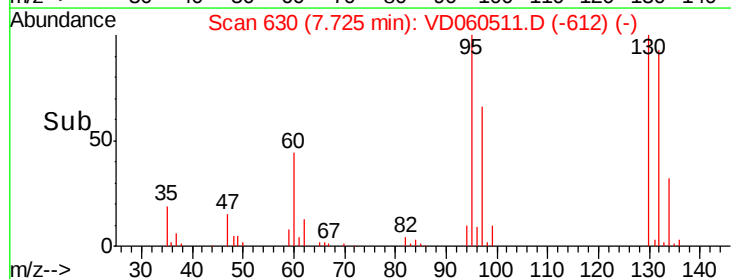
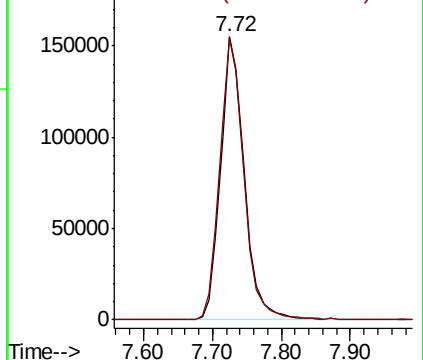
130 100

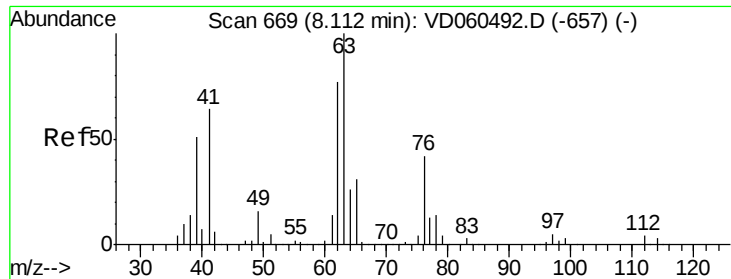
95 99.8 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.756 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

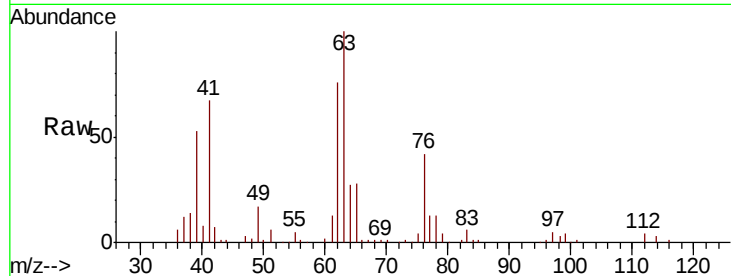
VD1207SBS01

Tot Ion: 63 Resp: 308834

Ion Ratio Lower Upper

63 100

65 27.6 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

150000

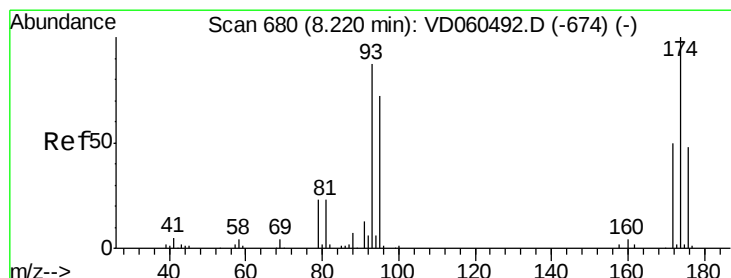
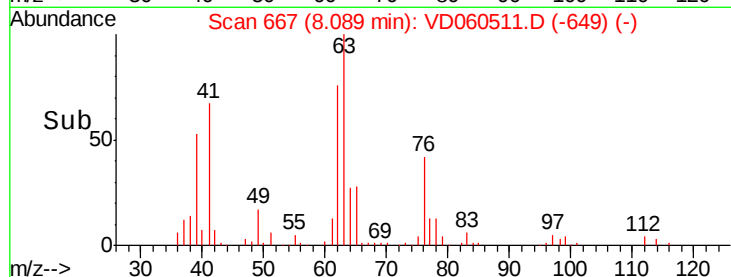
100000

50000

0

Time-->

7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 21.137 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

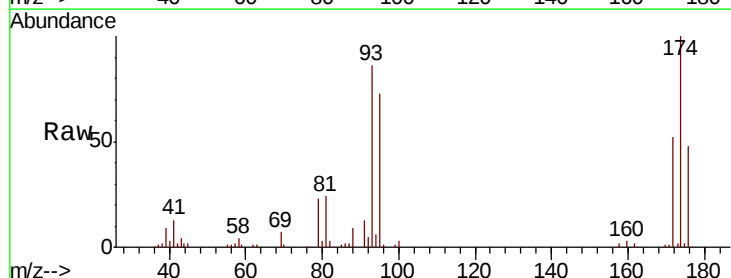
Tgt Ion: 93 Resp: 173360

Ion Ratio Lower Upper

93 100

95 85.8 65.6 98.4

174 116.8 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

8.21

100000

80000

60000

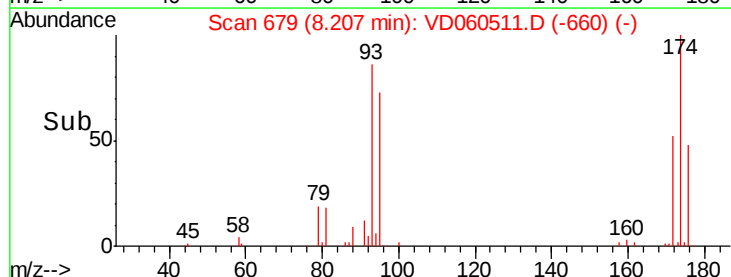
40000

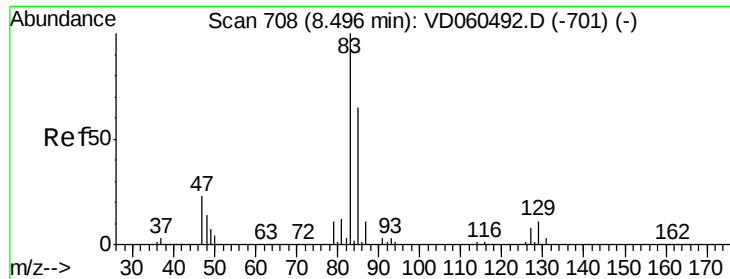
20000

0

Time-->

8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 21.346 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

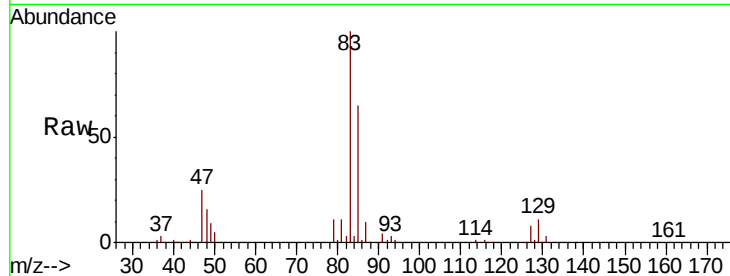
Tot Ion: 83 Resp: 415400

Ion Ratio Lower Upper

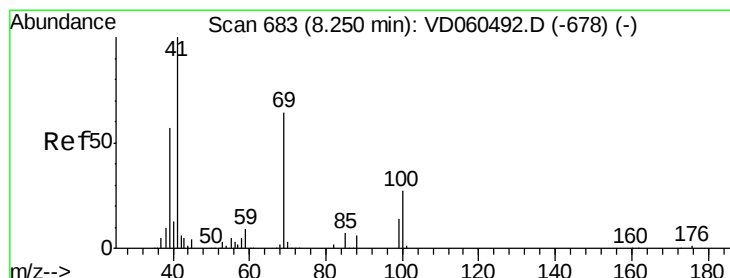
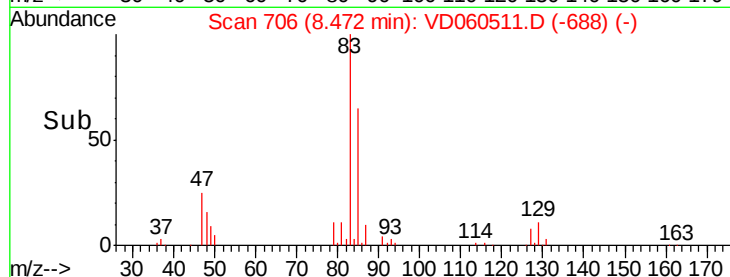
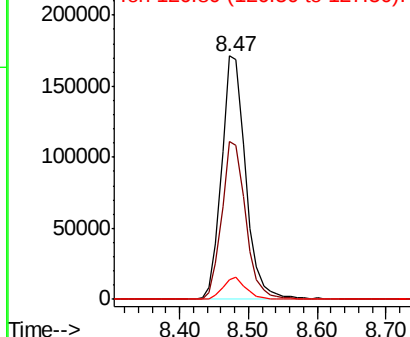
83 100

85 65.0 52.2 78.4

127 8.2 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: 20.928 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

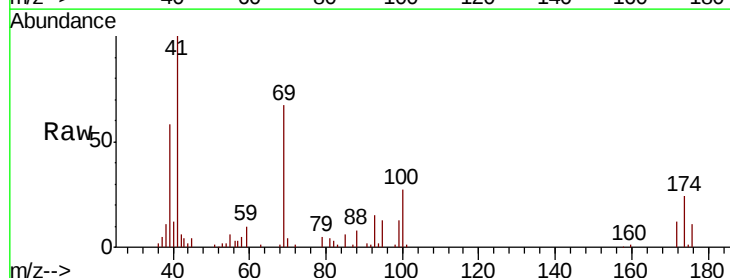
Tgt Ion: 41 Resp: 148882

Ion Ratio Lower Upper

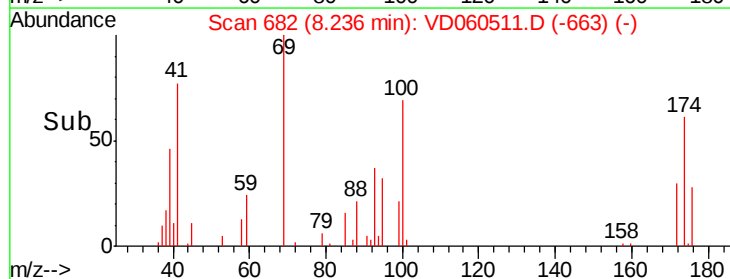
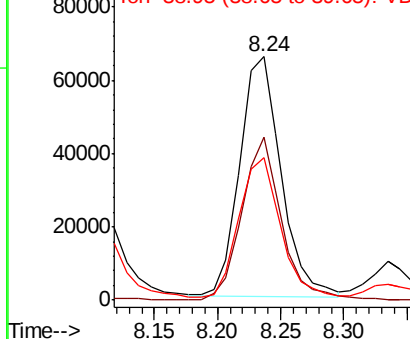
41 100

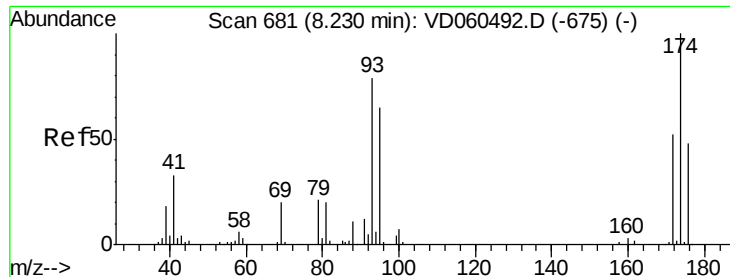
69 67.0 50.2 75.4

39 58.4 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

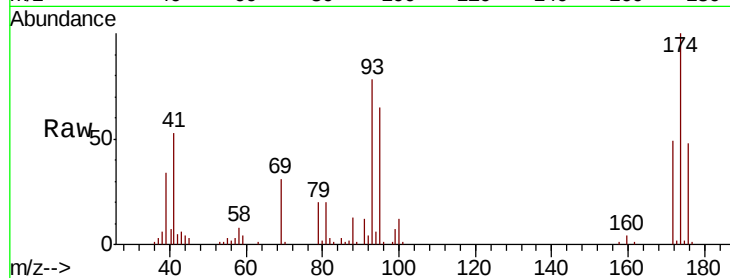




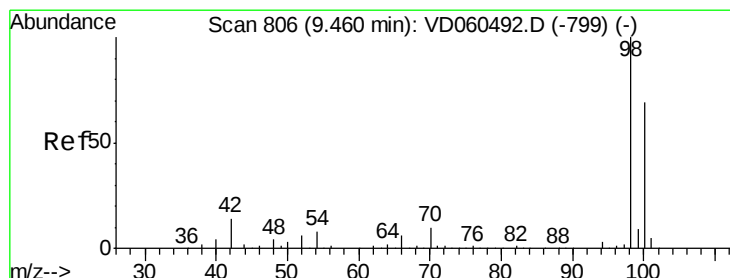
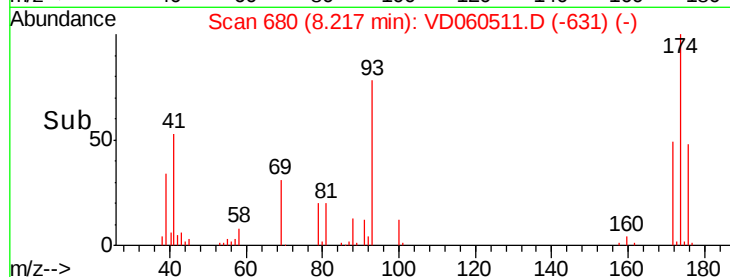
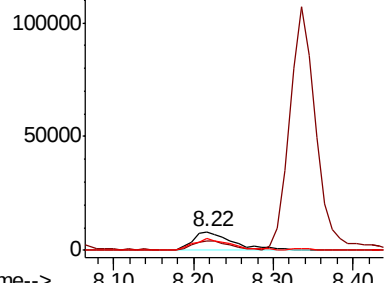
#49
 1,4-Dioxane
 Concen: 446.122 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion: 88 Resp: 28764
 Ion Ratio Lower Upper
 88 100
 43 48.4 32.9 49.3
 58 59.8 47.7 71.5

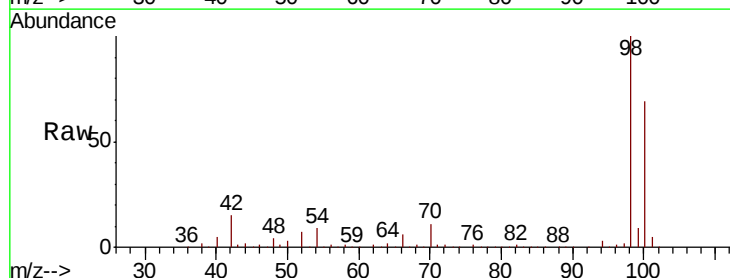


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

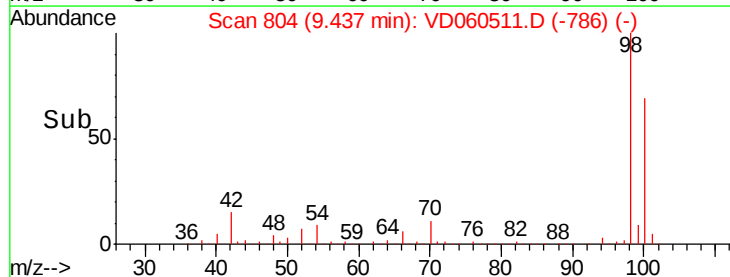
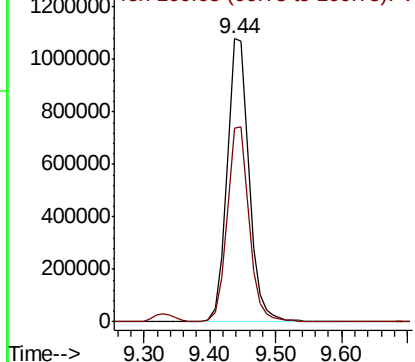


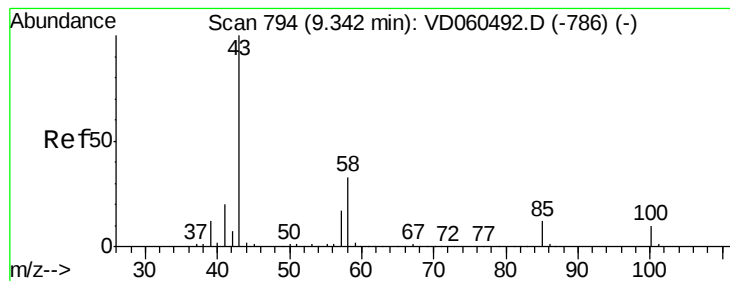
#50
 Toluene-d8
 Concen: 446.122 ug/l
 RT: 9.44 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 98 Resp: 2534678
 Ion Ratio Lower Upper
 98 100
 100 68.5 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: 101.084 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

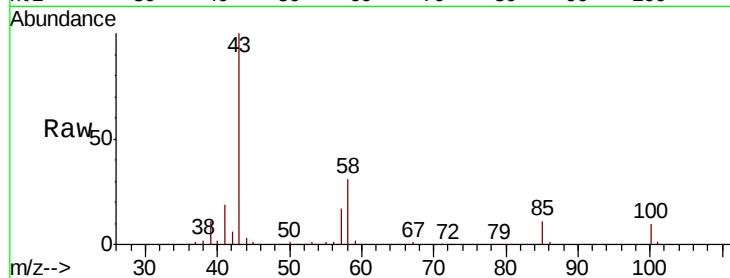
VD1207SBS01

Tot Ion: 43 Resp: 755985

Ion Ratio Lower Upper

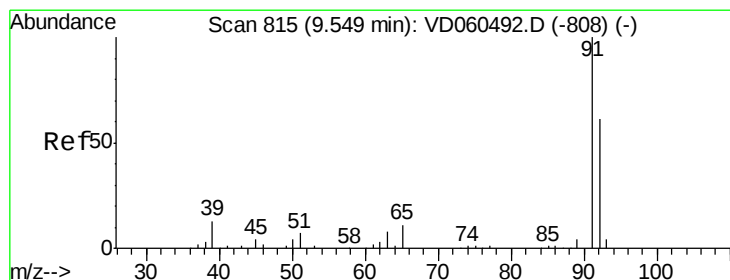
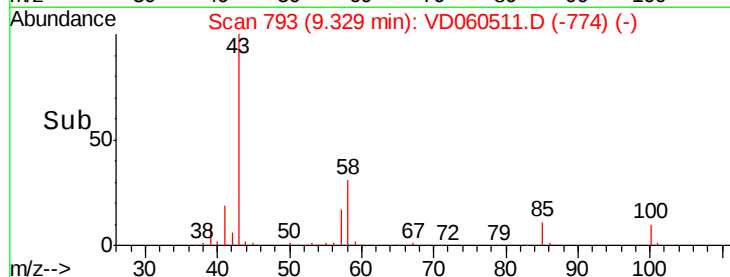
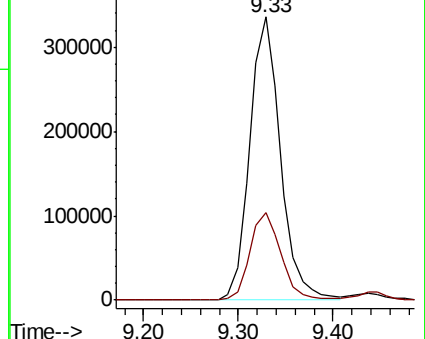
43 100

58 31.1 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: 21.647 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD060511.D

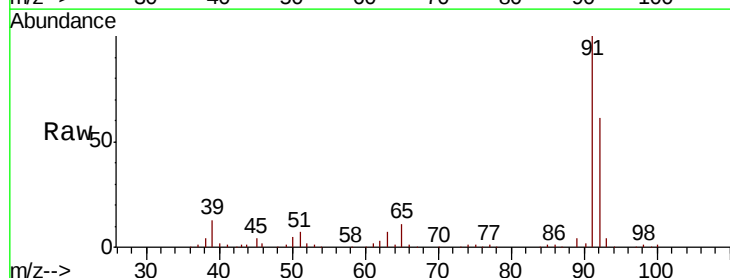
Acq: 7 Dec 2018 11:57

Tgt Ion: 92 Resp: 776563

Ion Ratio Lower Upper

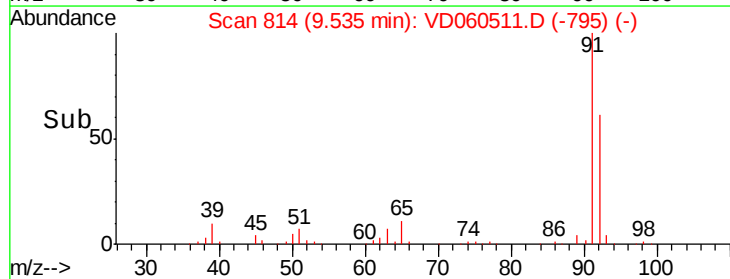
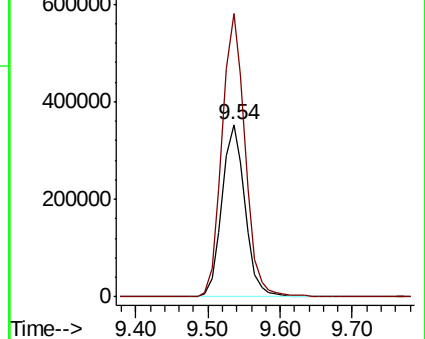
92 100

91 164.5 131.7 197.5



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: 21.536 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.02 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

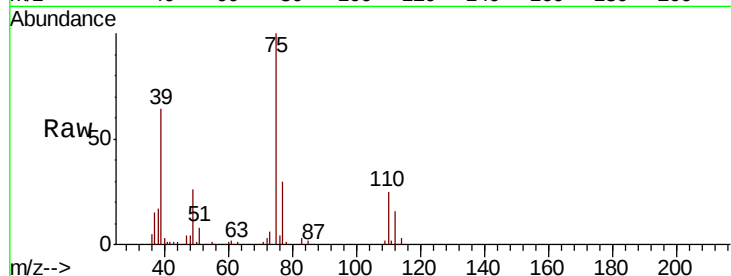
VD1207SBS01

Tot Ion: 75 Resp: 344368

Ion Ratio Lower Upper

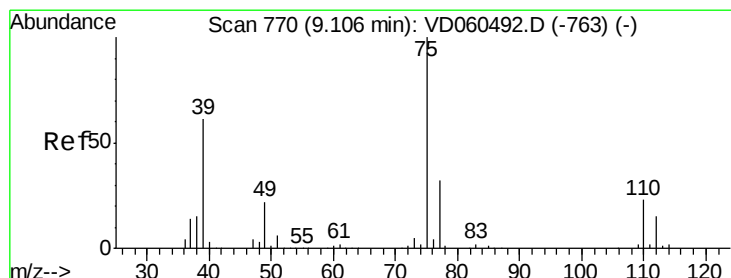
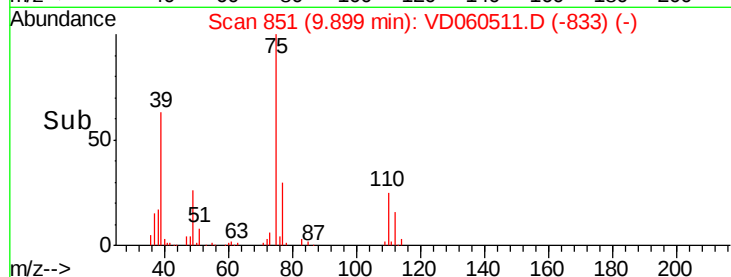
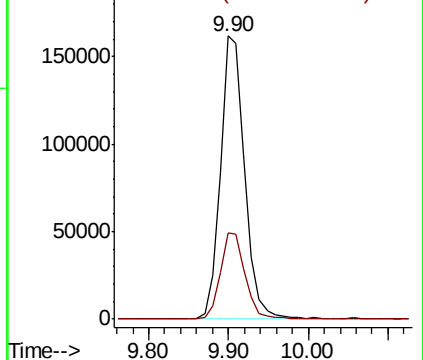
75 100

77 30.3 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: 21.501 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

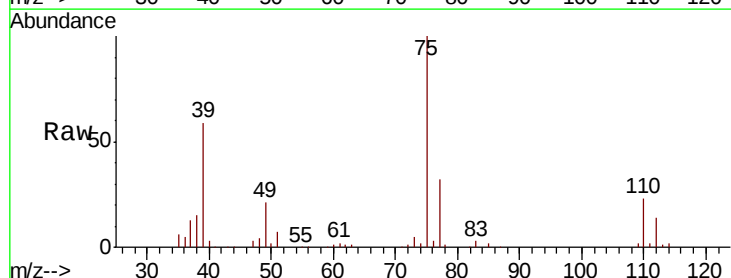
Tgt Ion: 75 Resp: 451724

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

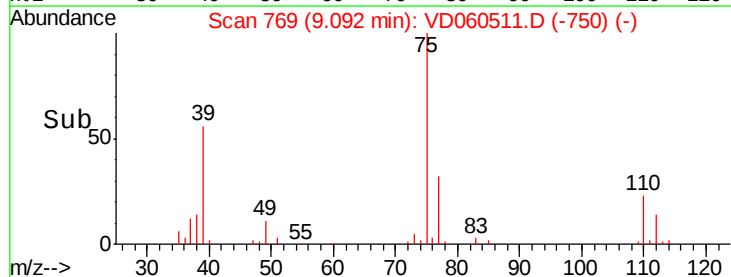
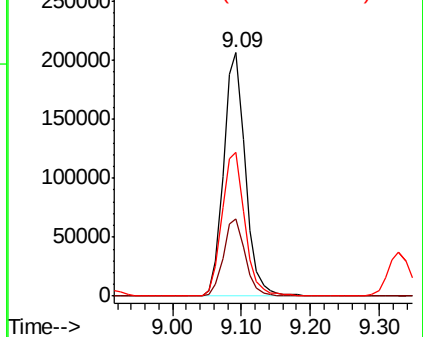
39 58.9 48.6 73.0

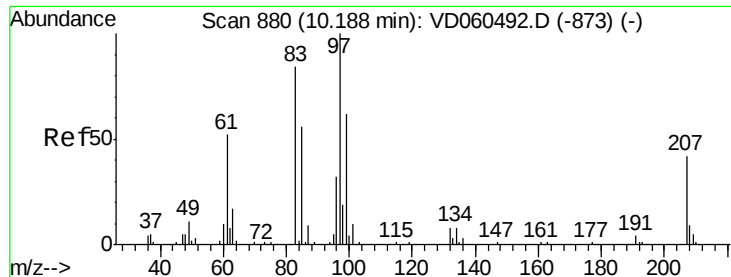


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

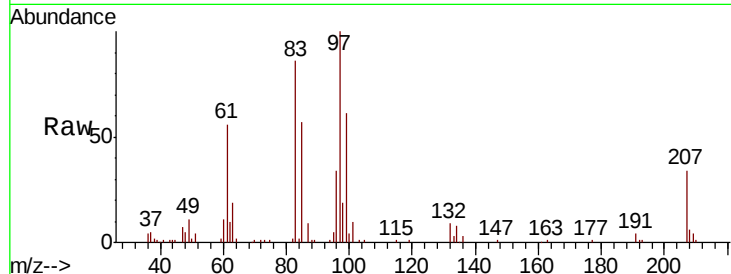




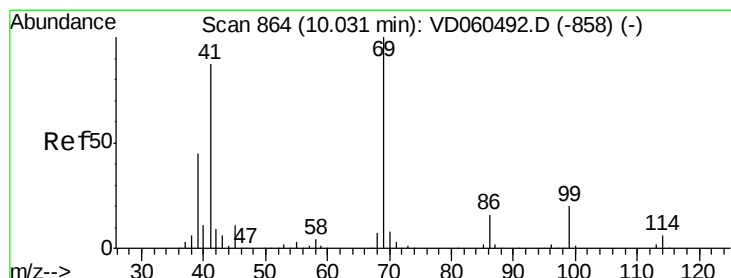
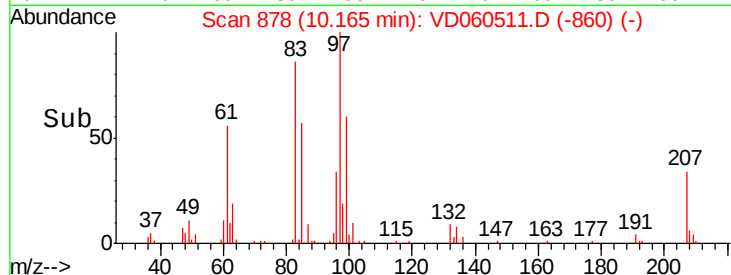
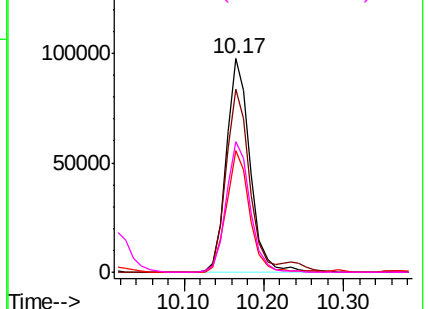
#55
 1,1,2-Trichloroethane
 Concen: 20.425 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion: 97 Resp: 204048
 Ion Ratio Lower Upper
 97 100
 83 85.5 67.2 100.8
 85 57.0 44.5 66.7
 99 61.4 49.3 73.9

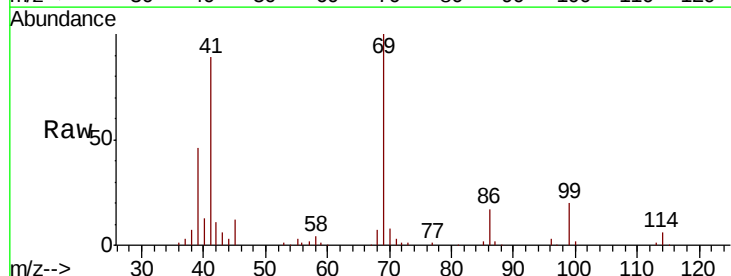


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

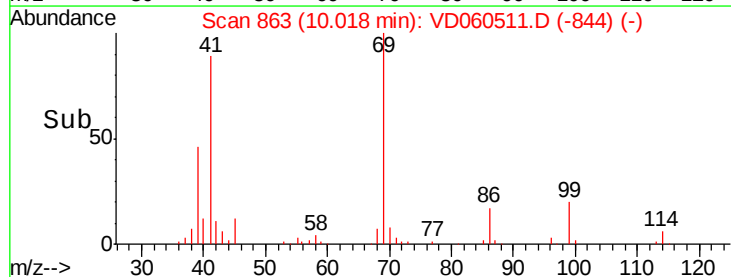
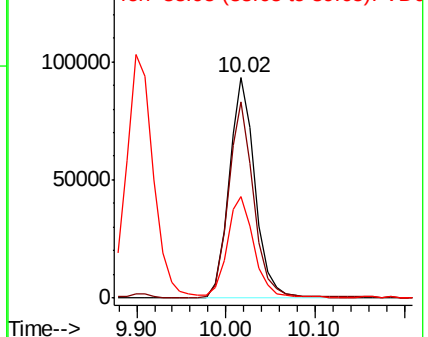


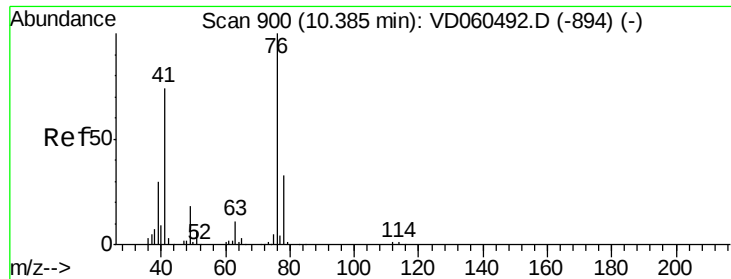
#56
 Ethyl methacrylate
 Concen: 20.875 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 69 Resp: 188734
 Ion Ratio Lower Upper
 69 100
 41 89.2 69.8 104.8
 39 46.4 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: 20.195 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

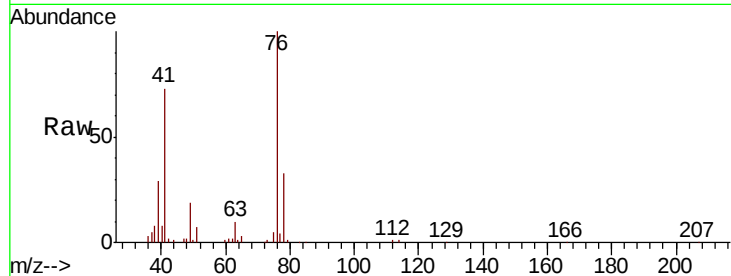
VD1207SBS01

Tot Ion: 76 Resp: 311883

Ion Ratio Lower Upper

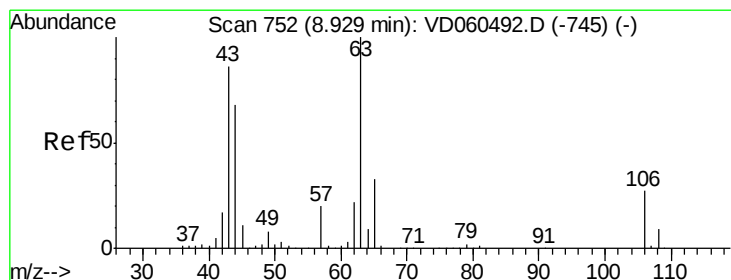
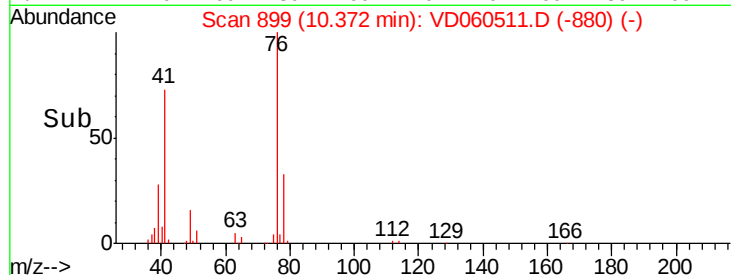
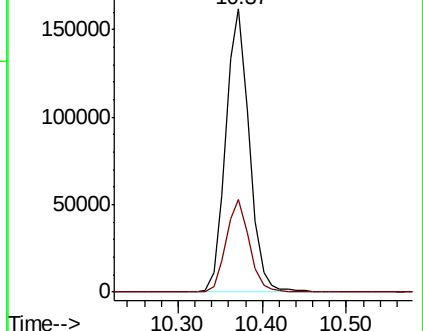
76 100

78 32.8 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.624 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD060511.D

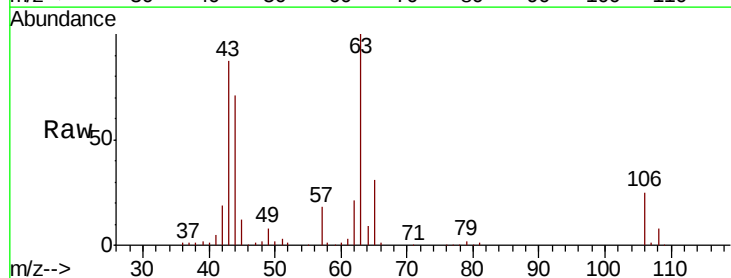
Acq: 7 Dec 2018 11:57

Tgt Ion: 63 Resp: 571408

Ion Ratio Lower Upper

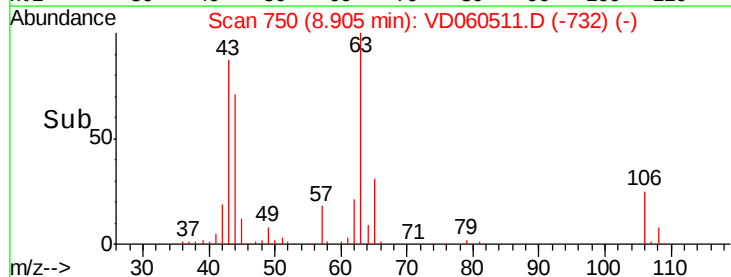
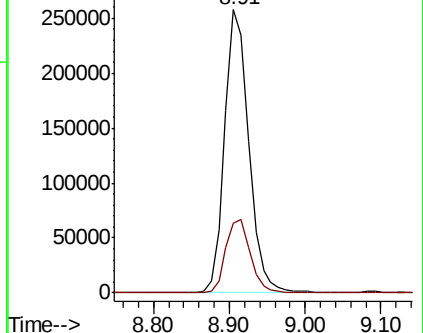
63 100

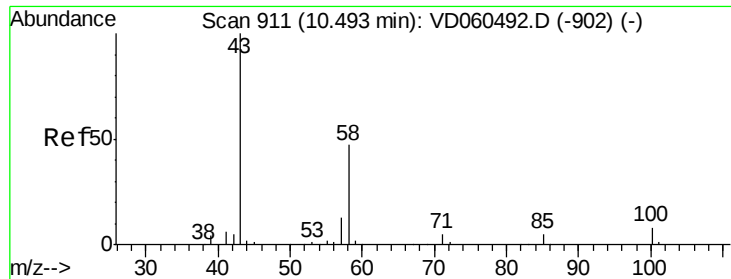
106 24.7 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

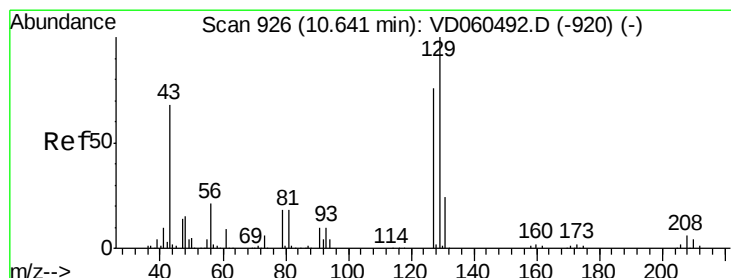
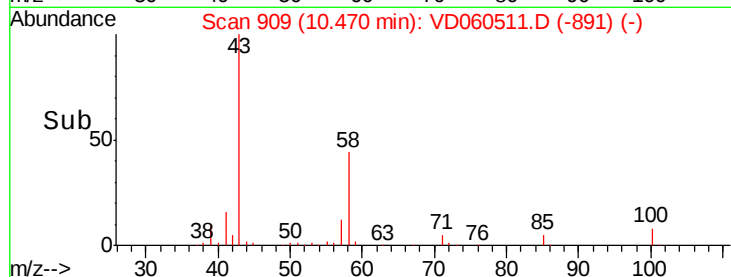
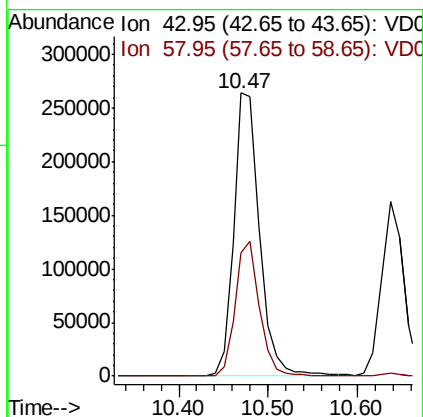
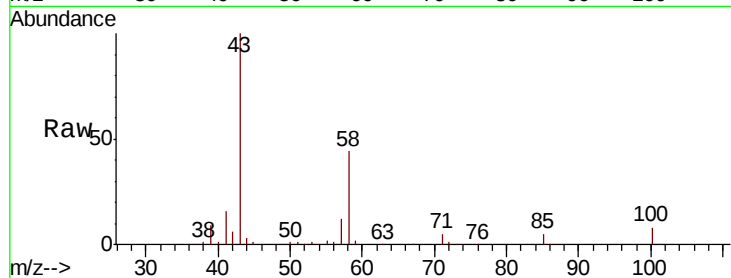




#59
2-Hexanone
Concen: 102.092 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

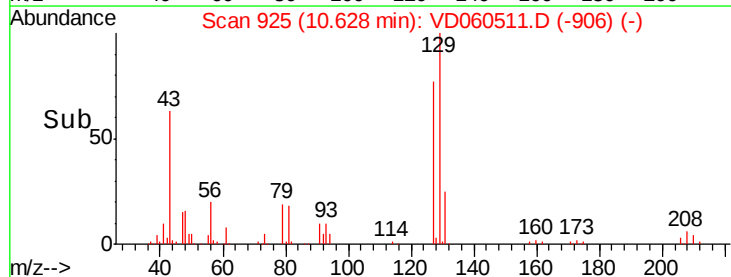
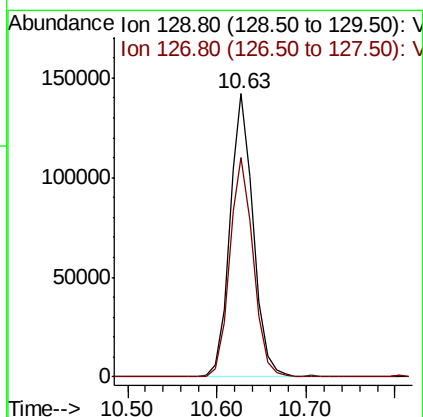
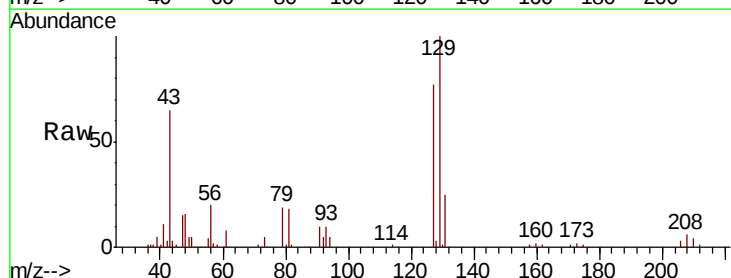
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

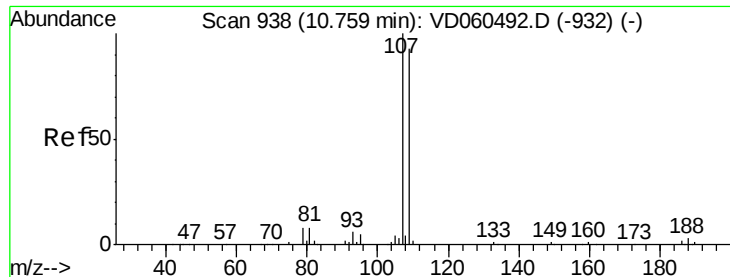
Tot Ion: 43 Resp: 533689
Ion Ratio Lower Upper
43 100
58 43.8 23.4 70.2



#60
Dibromochloromethane
Concen: 20.885 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 129 Resp: 260863
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.444 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

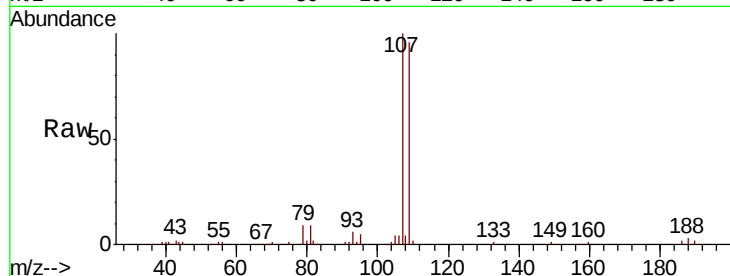
VD1207SBS01

Tot Ion:107 Resp: 208136

Ion Ratio Lower Upper

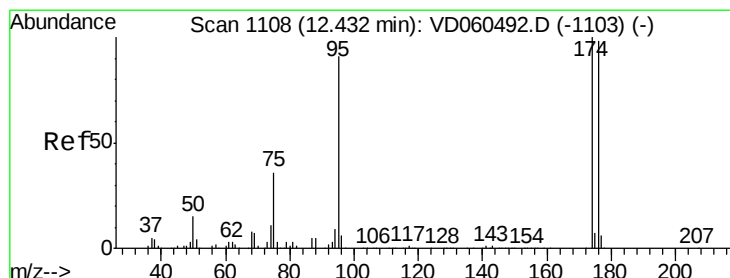
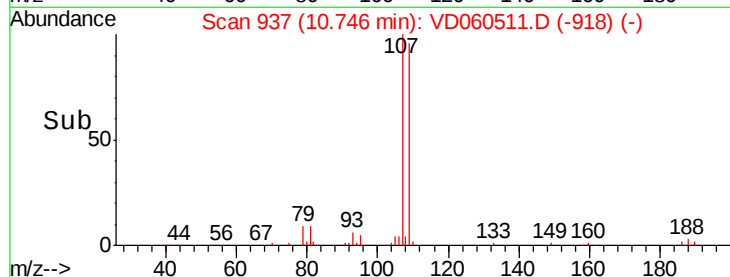
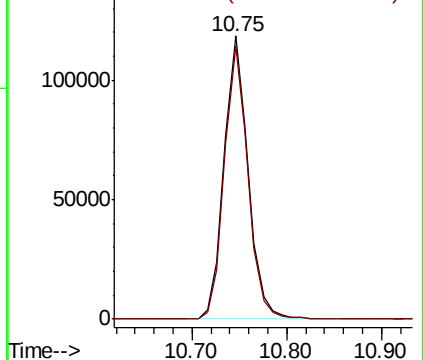
107 100

109 96.4 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.444 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

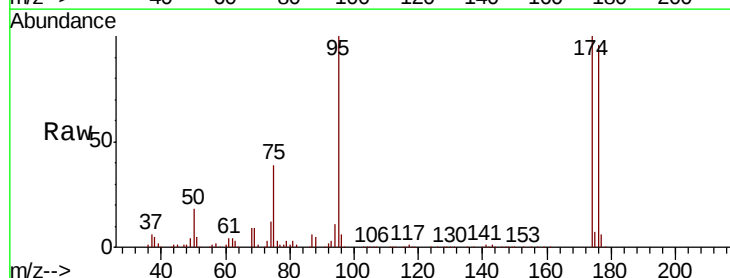
Tgt Ion: 95 Resp: 892208

Ion Ratio Lower Upper

95 100

174 99.6 0.0 219.4

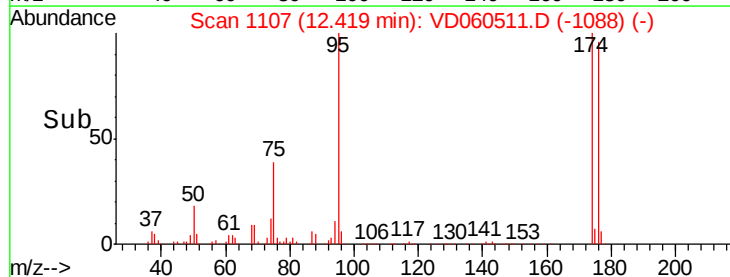
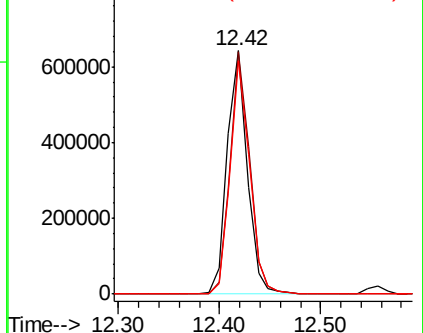
176 96.1 0.0 214.6

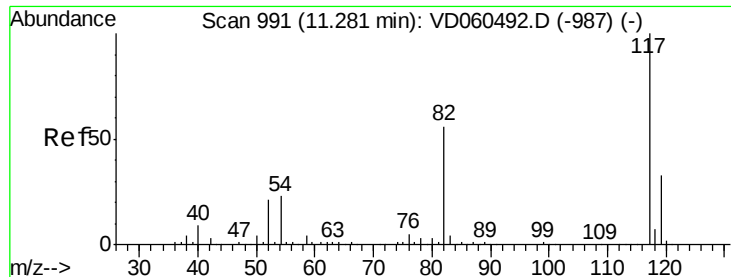


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

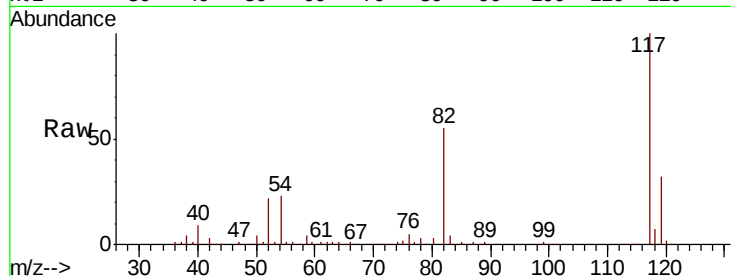




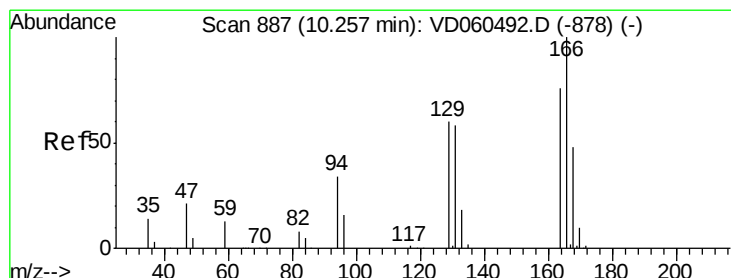
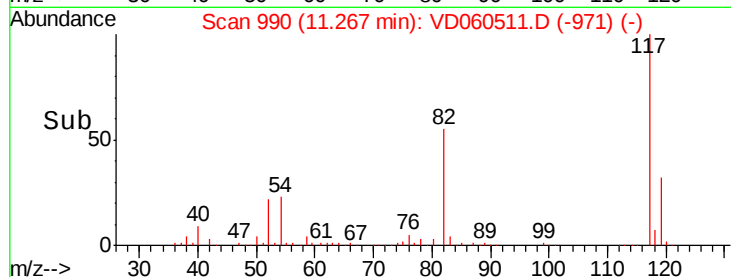
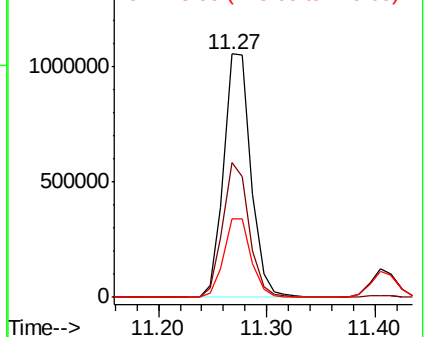
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion:117 Resp: 1860949
Ion Ratio Lower Upper
117 100
82 55.5 45.2 67.8
119 32.3 26.1 39.1

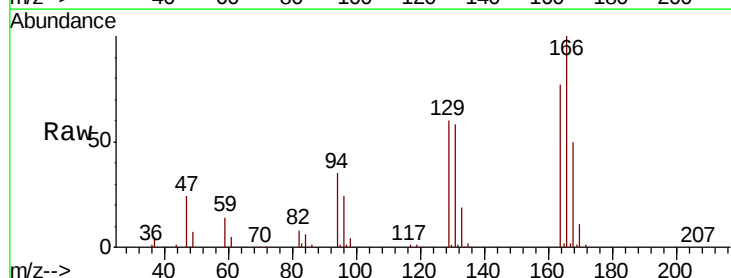


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

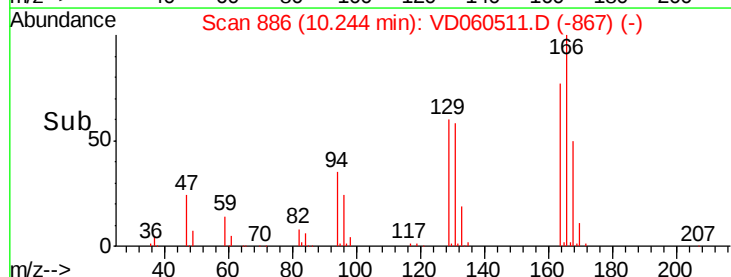
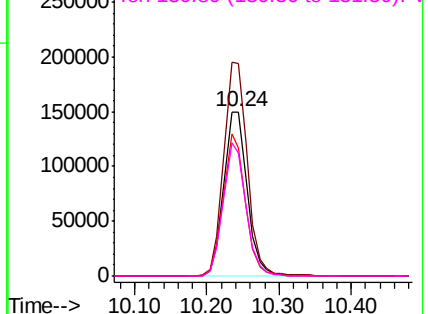


#64
Tetrachloroethene
Concen: 20.463 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion:164 Resp: 337193
Ion Ratio Lower Upper
164 100
166 129.6 105.0 157.6
129 78.1 63.0 94.4
131 74.6 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

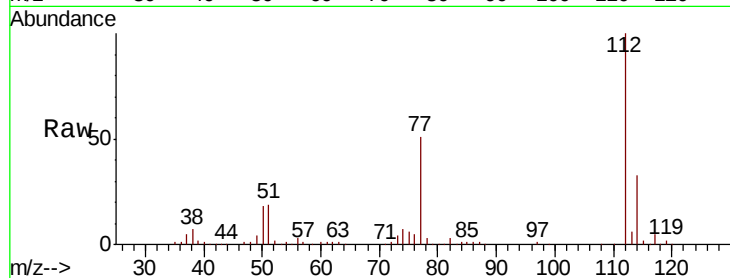




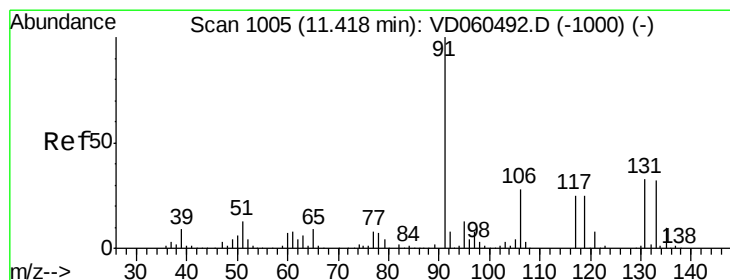
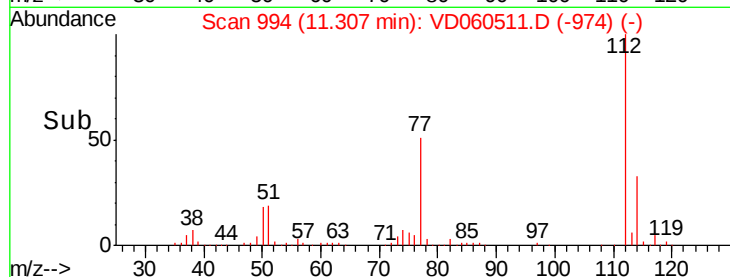
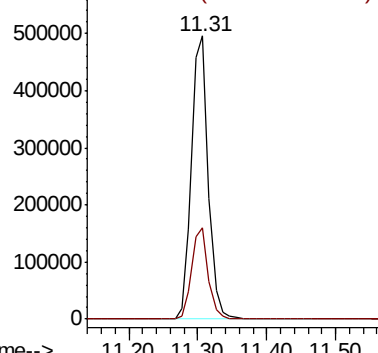
#65
Chlorobenzene
Concen: 21.297 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion:112 Resp: 838450
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

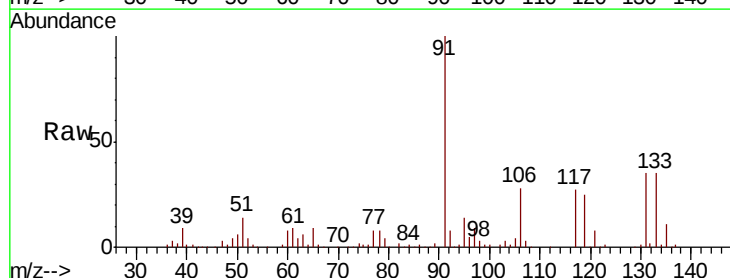


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

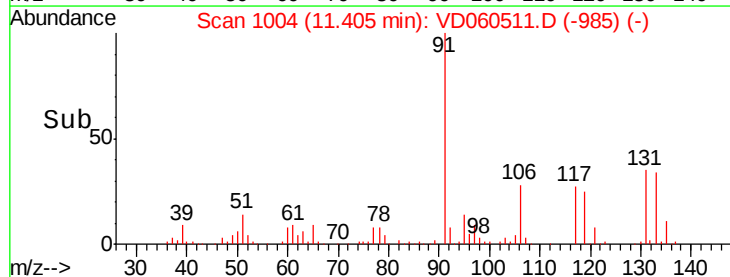
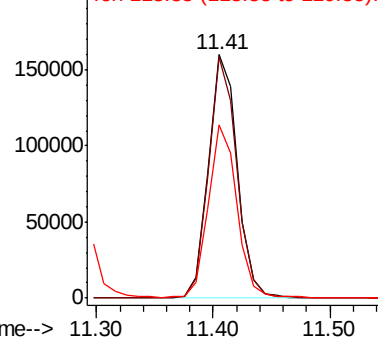


#66
1,1,1,2-Tetrachloroethane
Concen: 21.537 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion:131 Resp: 273285
Ion Ratio Lower Upper
131 100
133 99.2 49.1 147.3
119 71.1 37.5 112.3



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

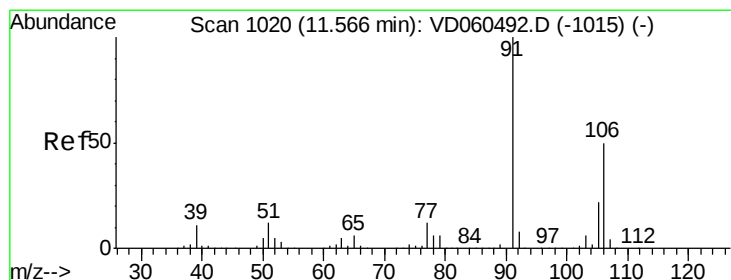
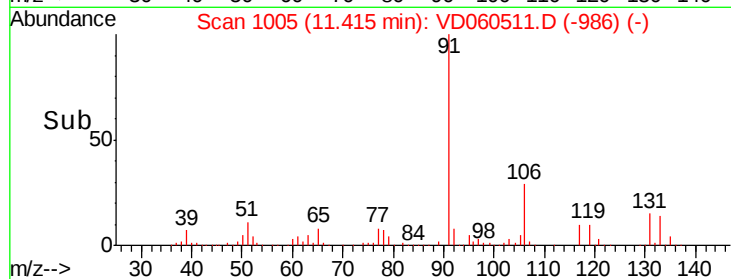
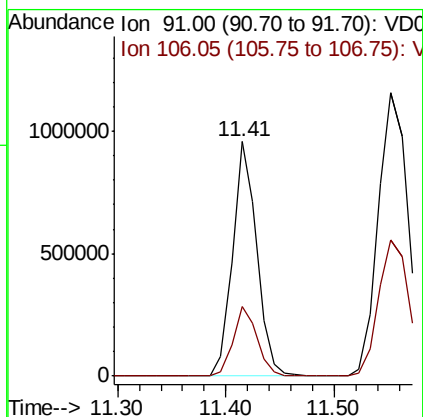
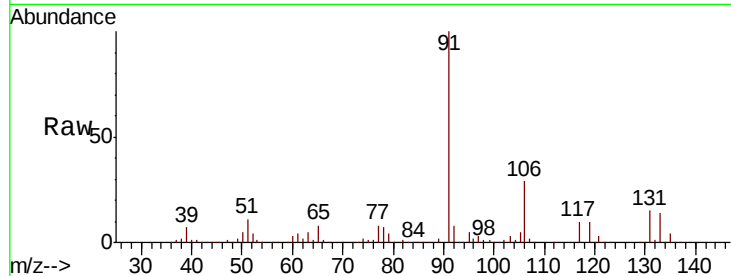




#67
Ethyl Benzene
Concen: 22.196 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

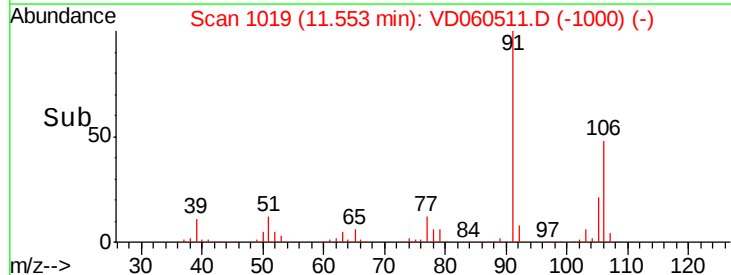
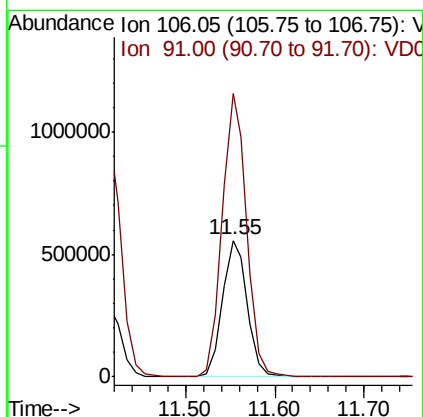
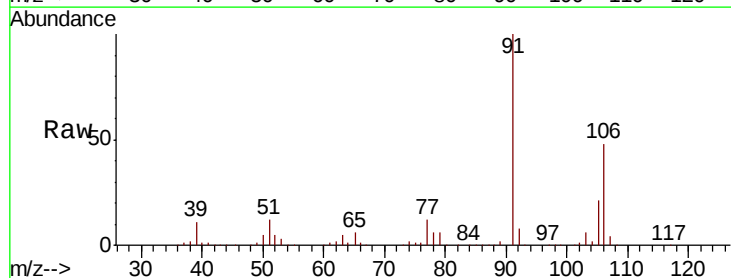
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

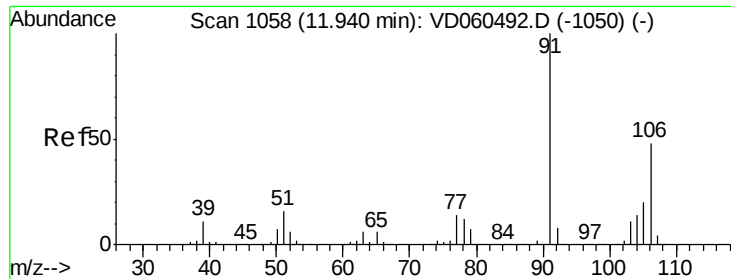
Tot Ion: 91 Resp: 1490502
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0



#68
m/p-Xylenes
Concen: 43.587 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 106 Resp: 1082849
Ion Ratio Lower Upper
106 100
91 207.0 160.5 240.7

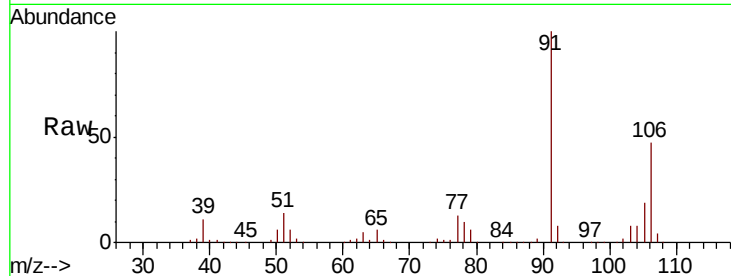




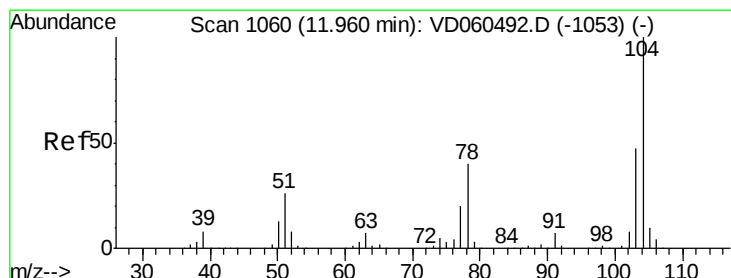
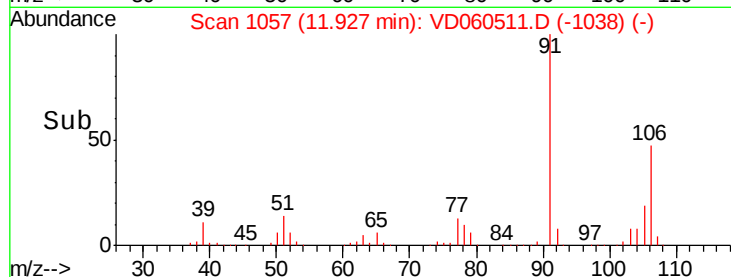
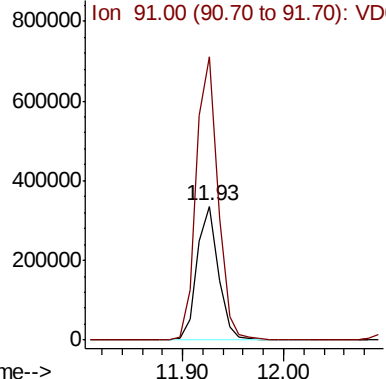
#69
o-Xylene
Concen: 20.945 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion:106 Resp: 495901
Ion Ratio Lower Upper
106 100
91 210.8 103.4 310.1

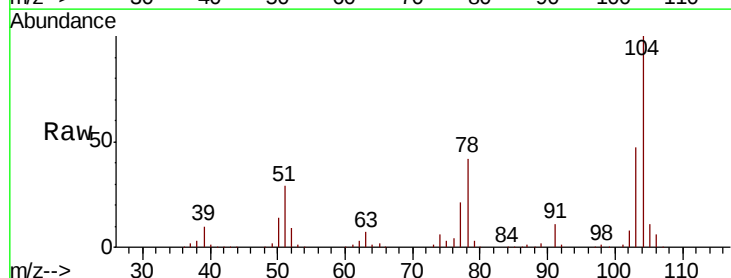


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

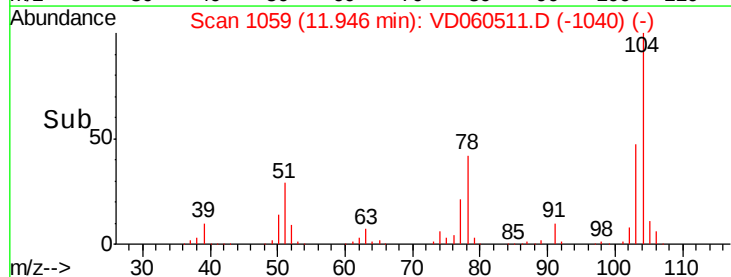
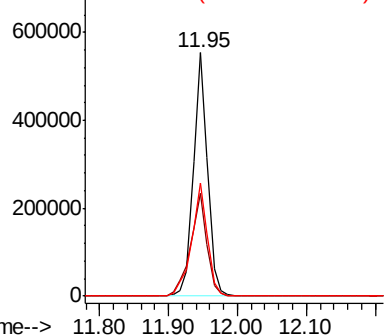


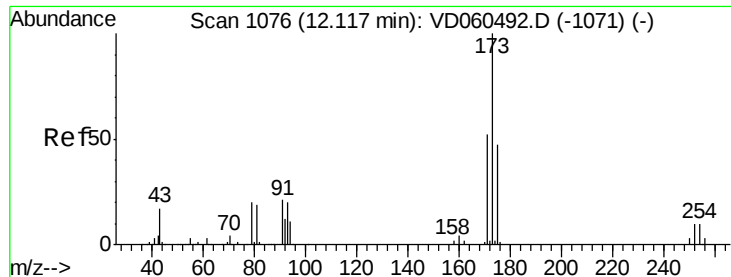
#70
Styrene
Concen: 20.769 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion:104 Resp: 789279
Ion Ratio Lower Upper
104 100
78 42.0 32.1 48.1
103 46.6 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: 19.560 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

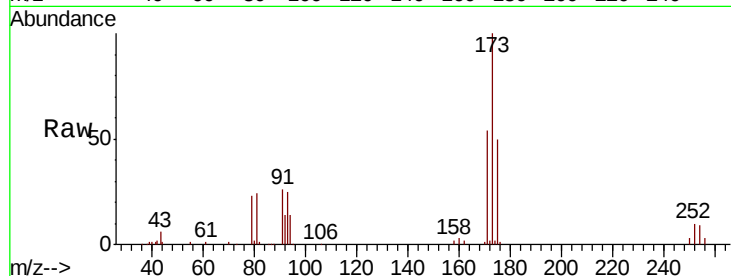
Tot Ion:173 Resp: 165594

Ion Ratio Lower Upper

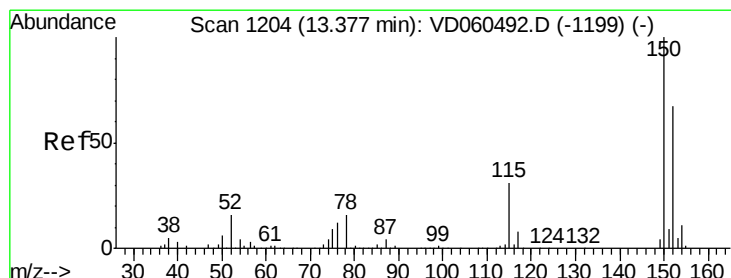
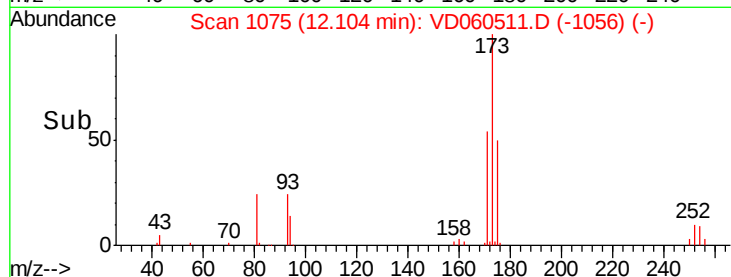
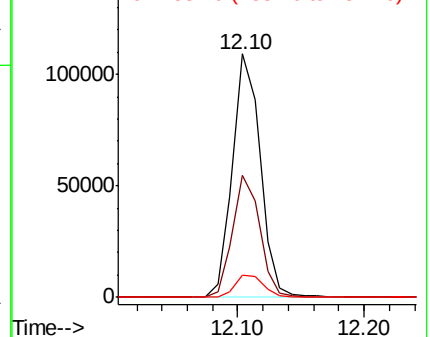
173 100

175 50.0 23.5 70.6

254 9.0 7.8 11.8



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

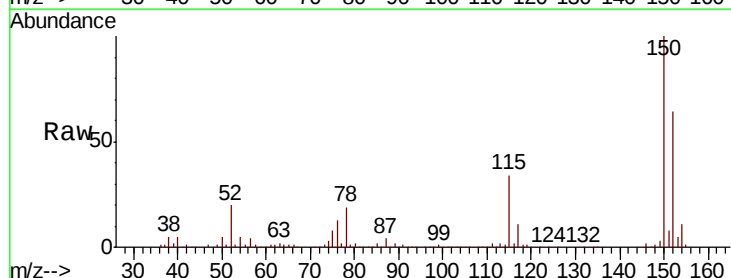
Tgt Ion:152 Resp: 910267

Ion Ratio Lower Upper

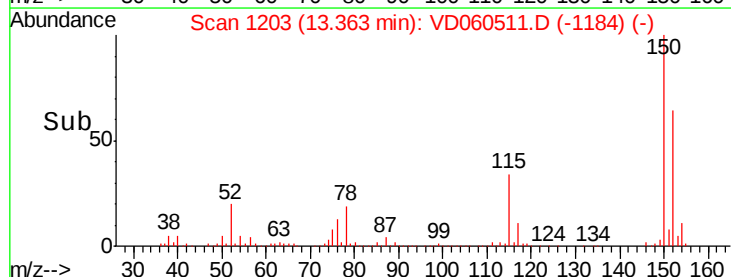
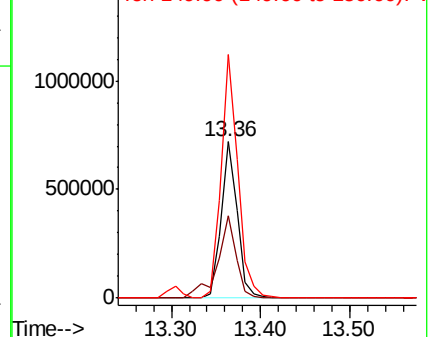
152 100

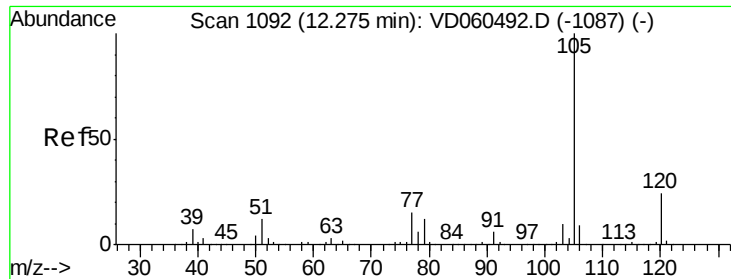
115 52.5 24.6 74.0

150 156.0 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: 22.591 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

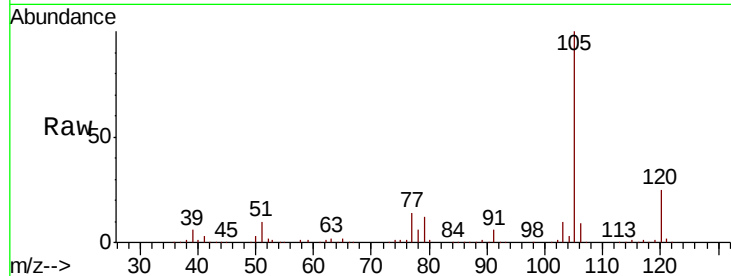
VD1207SBS01

Tot Ion:105 Resp: 1455158

Ion Ratio Lower Upper

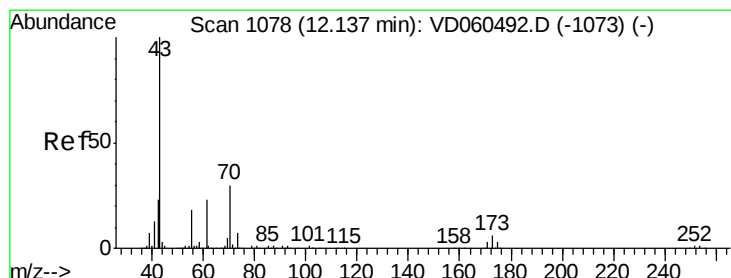
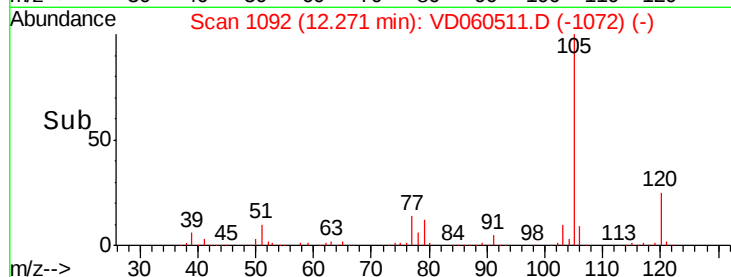
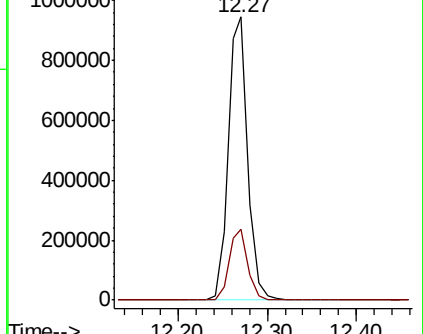
105 100

120 25.0 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: 20.280 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Tgt Ion: 43 Resp: 315706

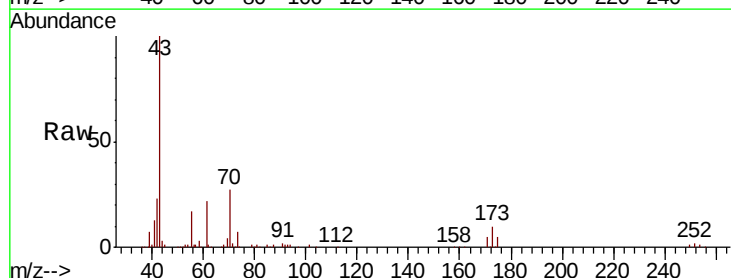
Ion Ratio Lower Upper

43 100

70 27.4 23.8 35.8

55 16.5 14.2 21.2

61 22.3 18.1 27.1

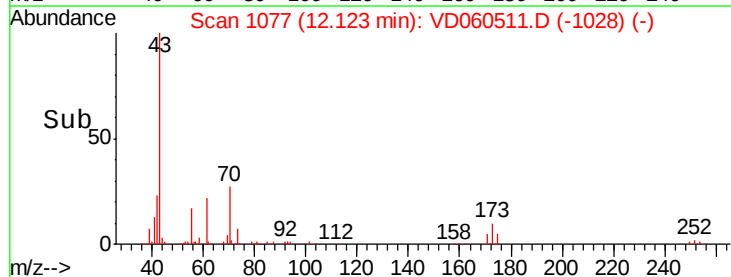
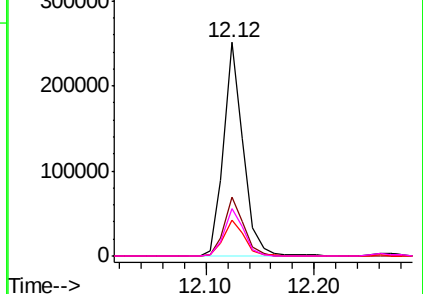


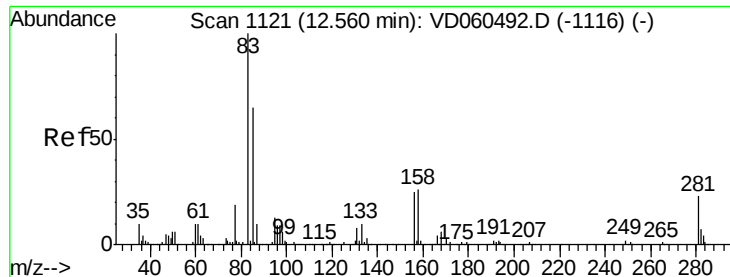
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.634 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

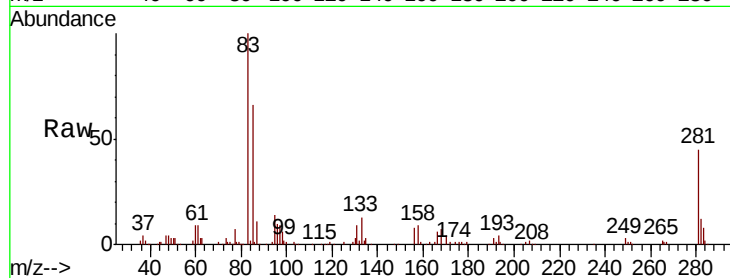
Tot Ion: 83 Resp: 212778

Ion Ratio Lower Upper

83 100

131 9.3 3.8 11.4

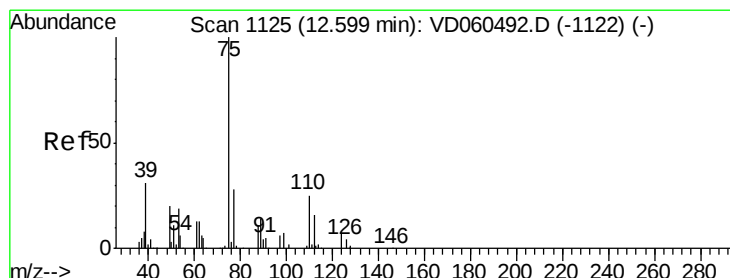
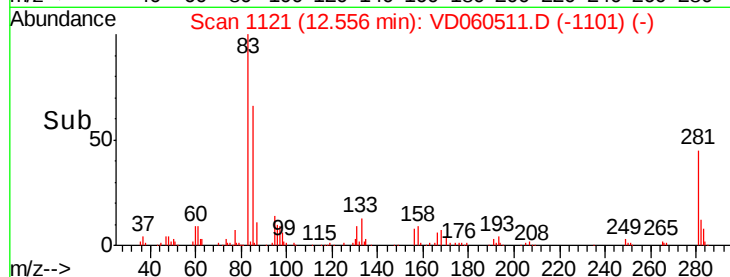
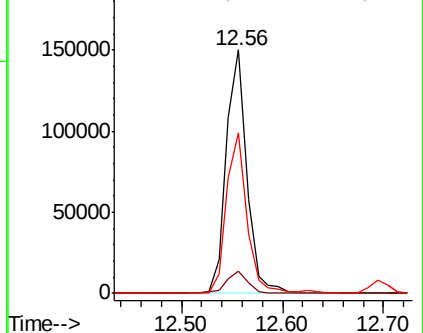
85 66.0 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.609 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060511.D

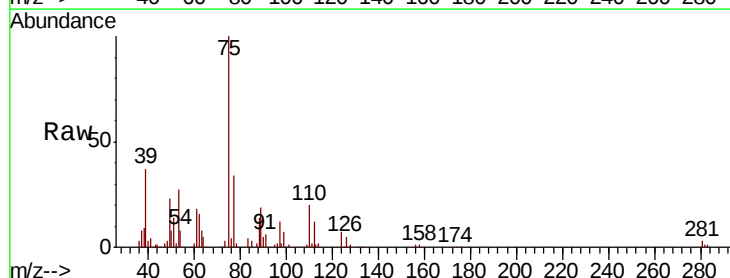
Acq: 7 Dec 2018 11:57

Tgt Ion: 75 Resp: 212558

Ion Ratio Lower Upper

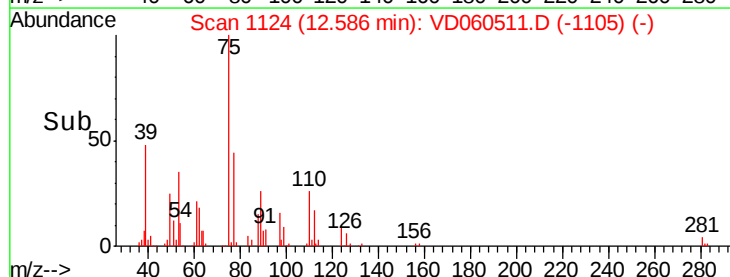
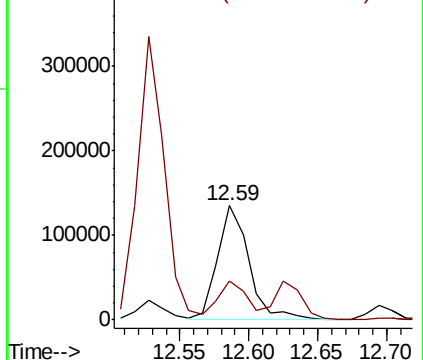
75 100

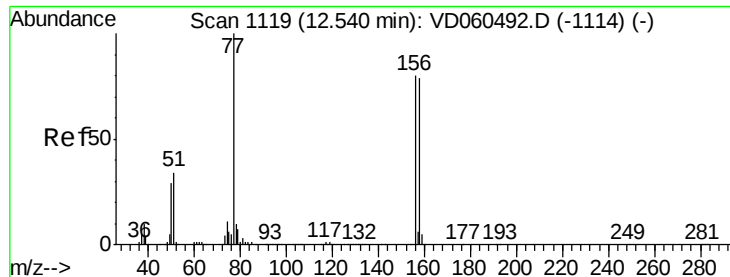
77 33.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

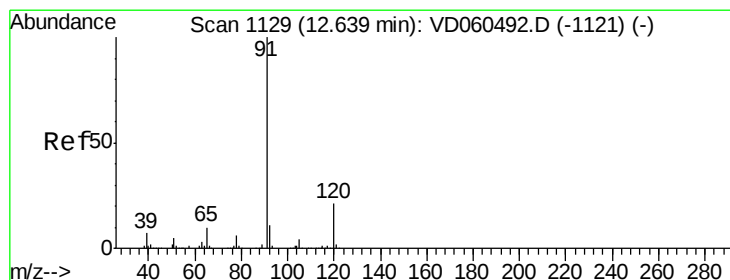
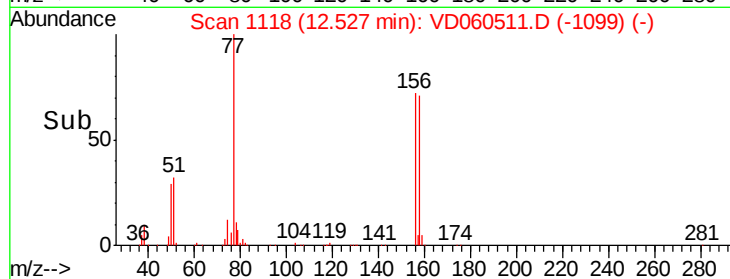
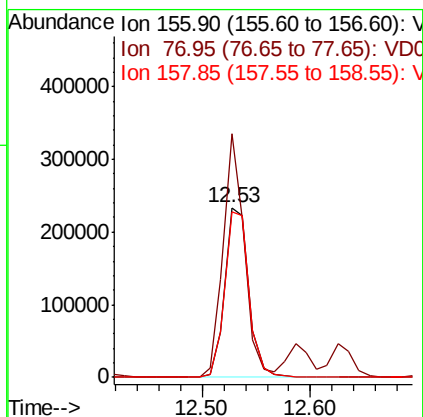
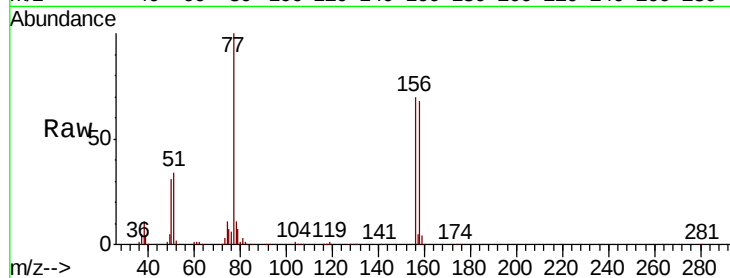




#77
Bromobenzene
Concen: 21.165 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

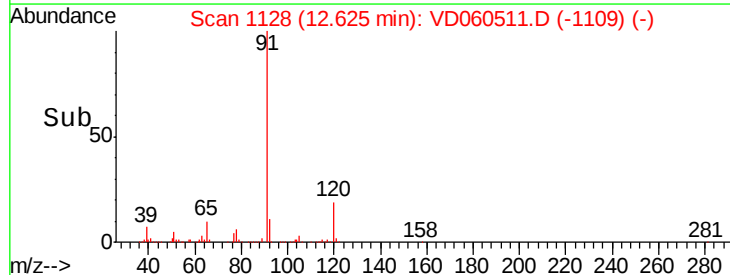
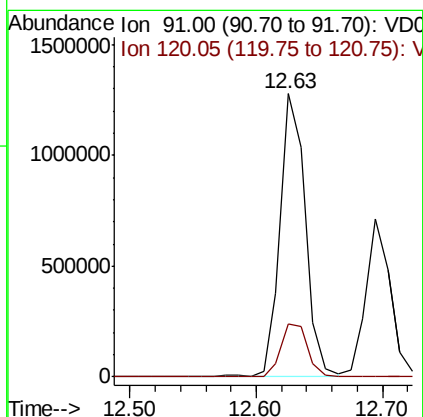
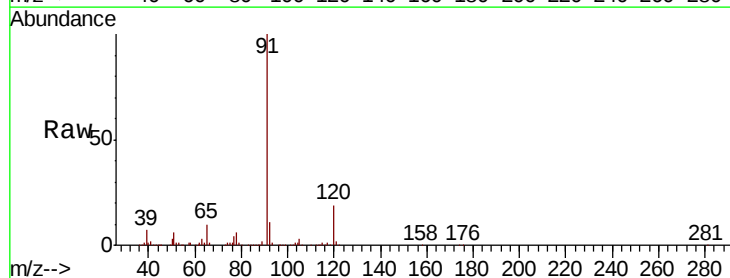
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

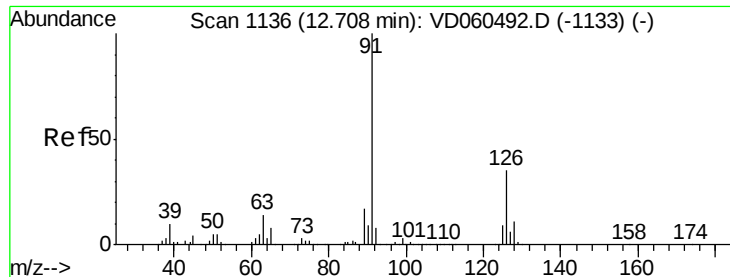
Tot Ion:156 Resp: 358358
Ion Ratio Lower Upper
156 100
77 143.6 62.5 187.6
158 97.9 49.4 148.2



#78
n-propylbenzene
Concen: 22.011 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 91 Resp: 1792227
Ion Ratio Lower Upper
91 100
120 18.9 10.4 31.1





#79

2-Chlorotoluene

Concen: 21.861 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

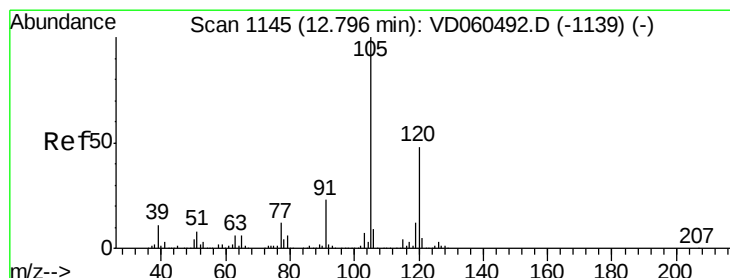
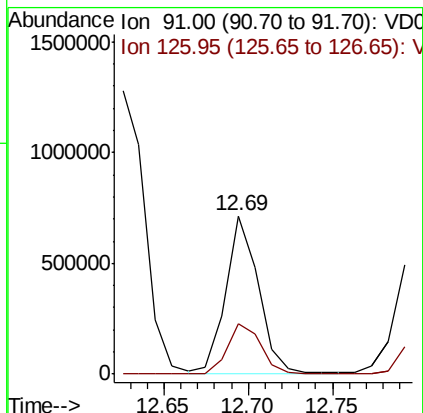
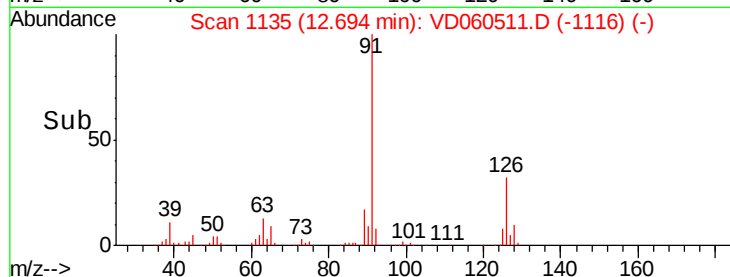
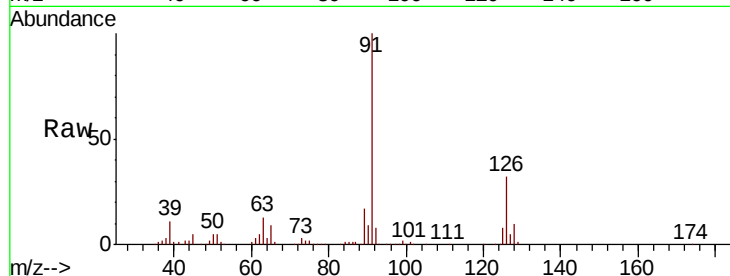
VD1207SBS01

Tot Ion: 91 Resp: 965916

Ion Ratio Lower Upper

91 100

126 32.2 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 22.098 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060511.D

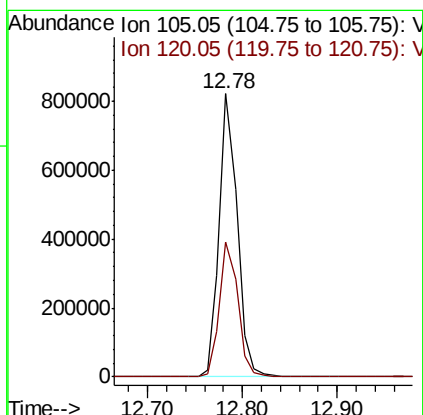
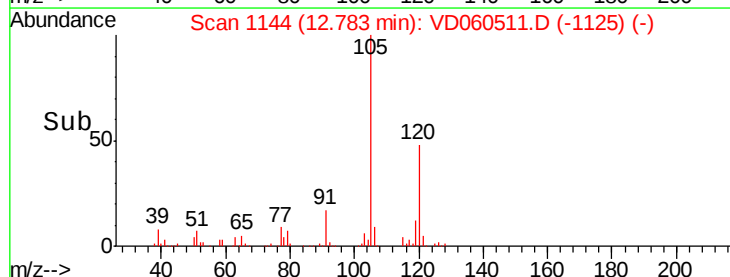
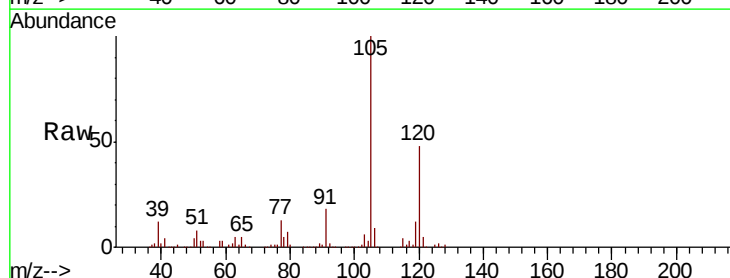
Acq: 7 Dec 2018 11:57

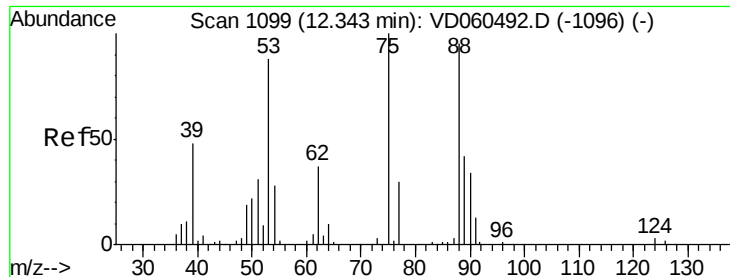
Tgt Ion:105 Resp: 1087654

Ion Ratio Lower Upper

105 100

120 47.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.128 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

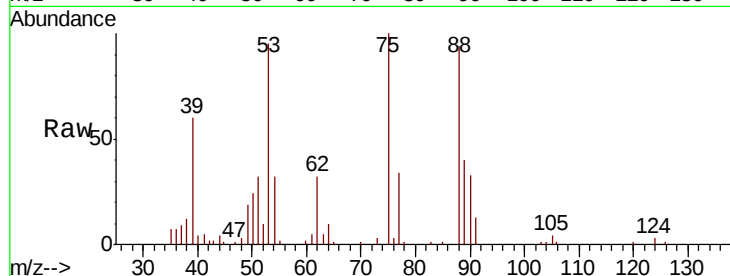
Tot Ion: 75 Resp: 57900

Ion Ratio Lower Upper

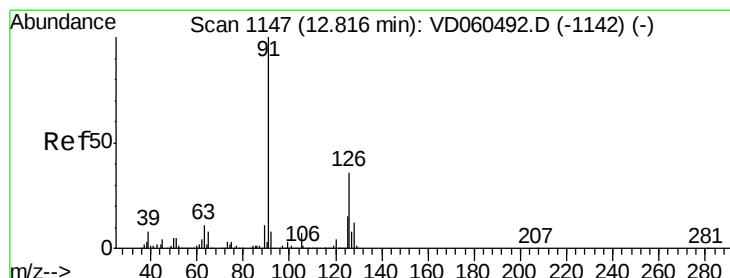
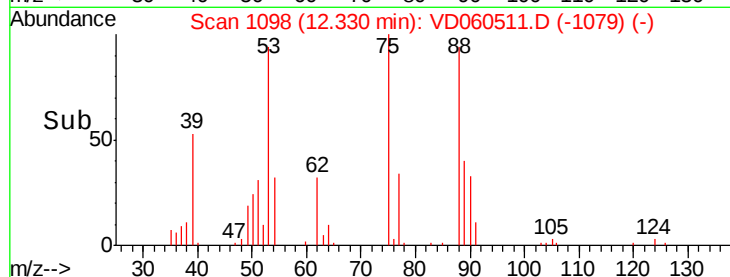
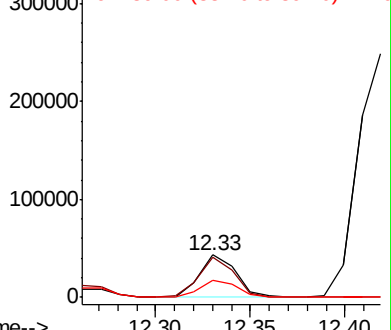
75 100

53 95.3 70.5 105.7

89 40.0 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.811 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060511.D

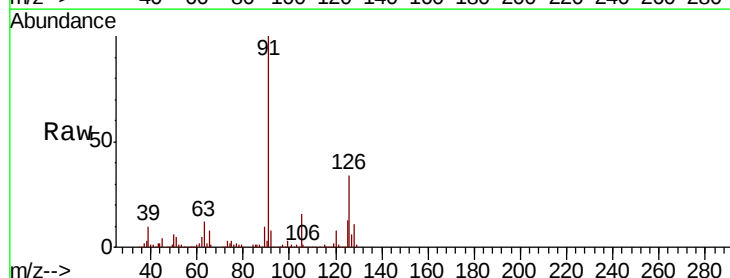
Acq: 7 Dec 2018 11:57

Tgt Ion: 91 Resp: 1082387

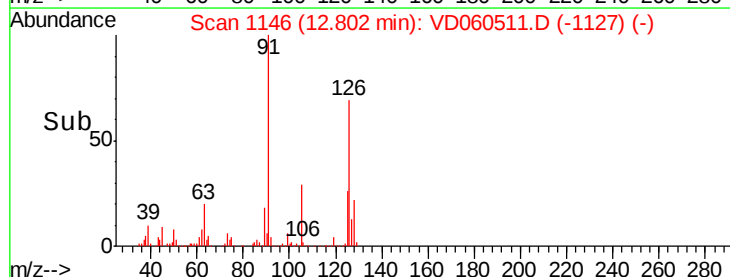
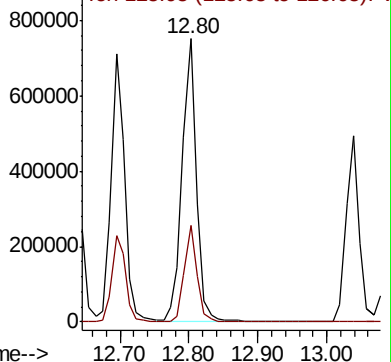
Ion Ratio Lower Upper

91 100

126 34.1 17.8 53.4



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





#83

tert-Butylbenzene

Concen: 22.333 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

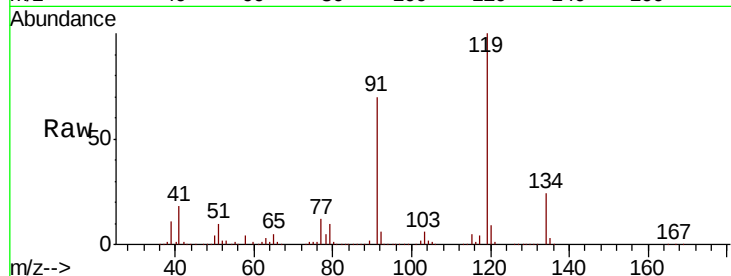
Tot Ion:119 Resp: 1232469

Ion Ratio Lower Upper

119 100

91 69.9 33.1 99.2

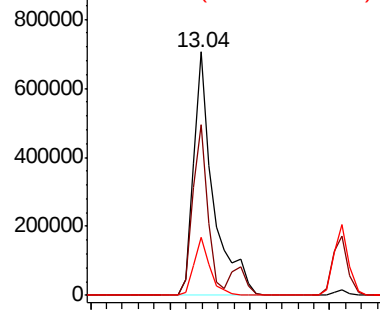
134 23.8 12.0 36.0



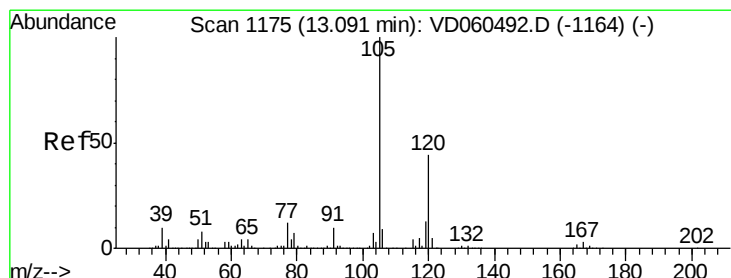
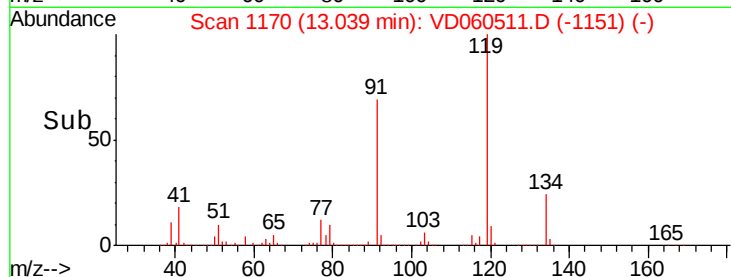
Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 12.90 13.00 13.10 13.20



#84

1,2,4-Trimethylbenzene

Concen: 22.106 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060511.D

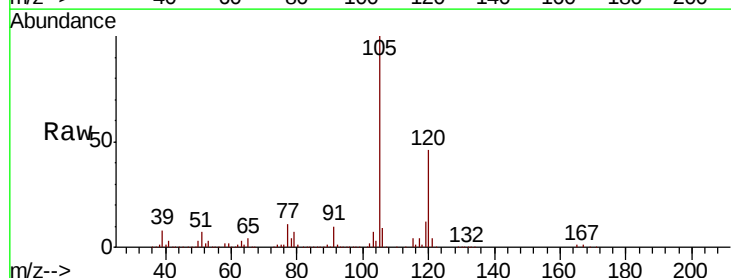
Acq: 7 Dec 2018 11:57

Tgt Ion:105 Resp: 1126623

Ion Ratio Lower Upper

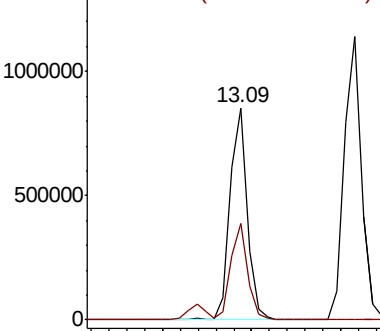
105 100

120 45.6 22.3 66.8

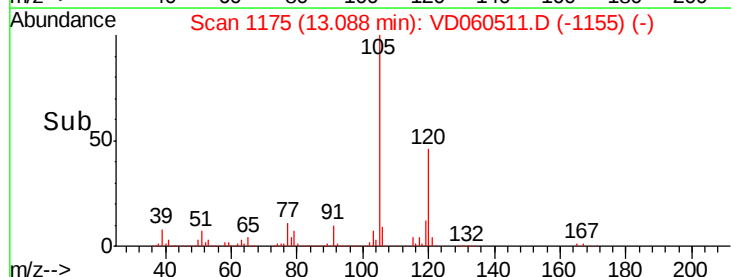


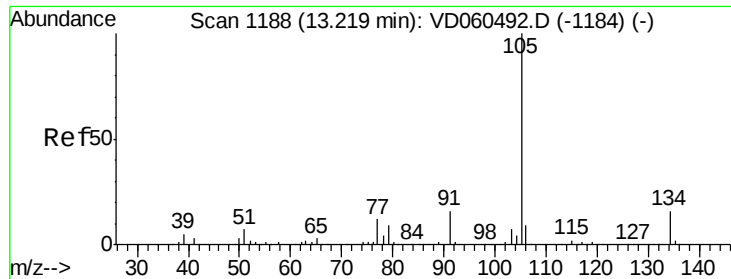
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.00 13.10 13.20





#85

sec-Butylbenzene

Concen: 21.969 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

Instrument :

MSVOA_D

ClientSampleId :

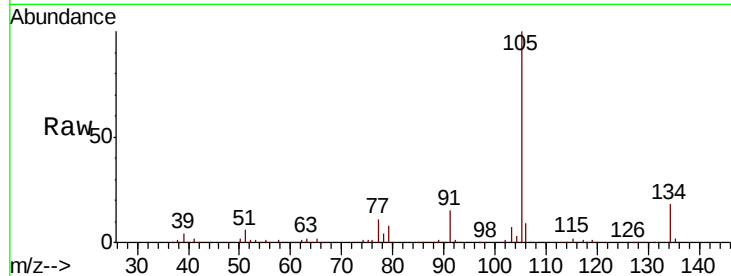
VD1207SBS01

Tot Ion:105 Resp: 1511090

Ion Ratio Lower Upper

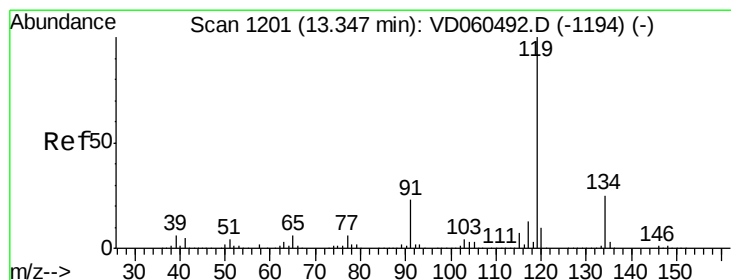
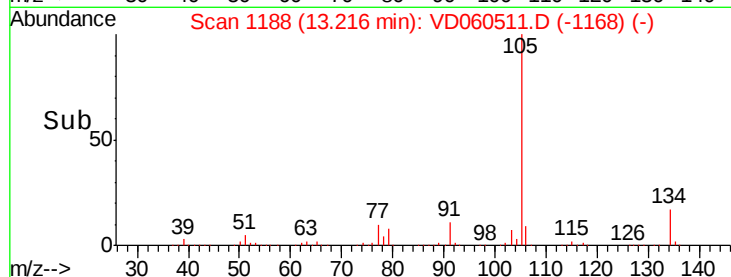
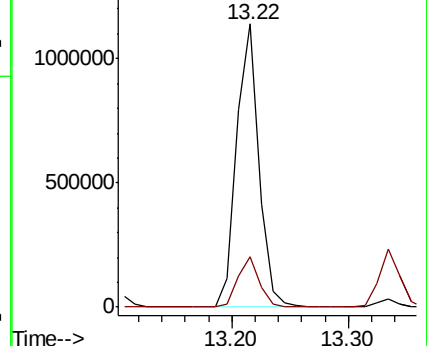
105 100

134 18.0 7.9 23.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.906 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060511.D

Acq: 7 Dec 2018 11:57

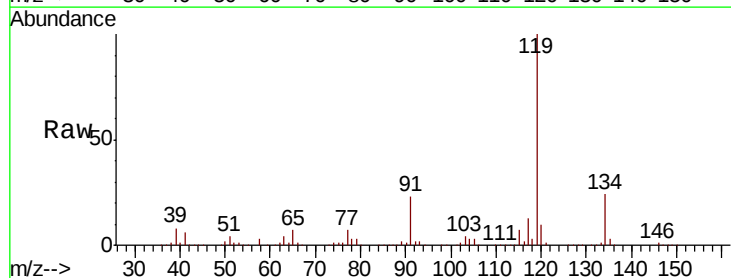
Tgt Ion:119 Resp: 1194415

Ion Ratio Lower Upper

119 100

134 24.4 12.5 37.5

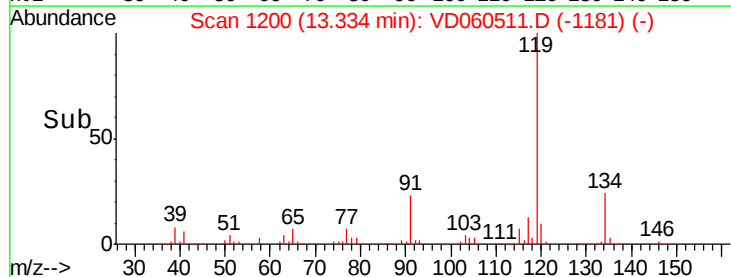
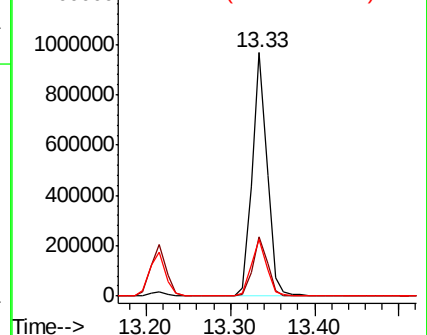
91 23.4 11.5 34.4

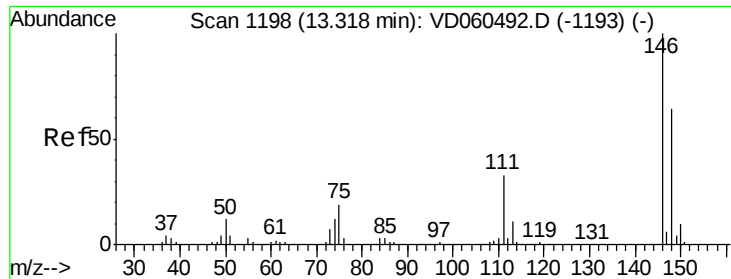


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

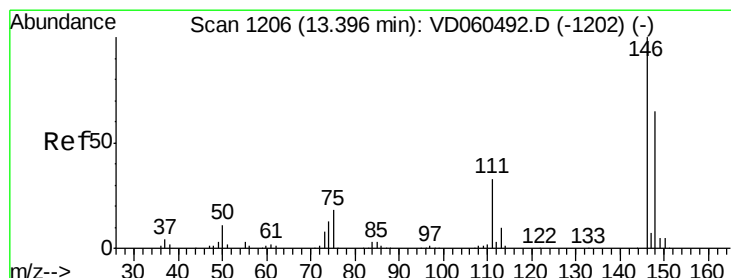
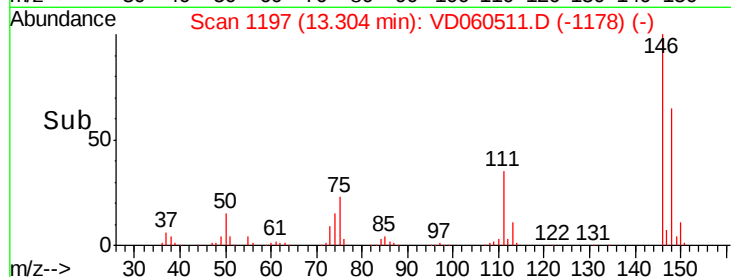
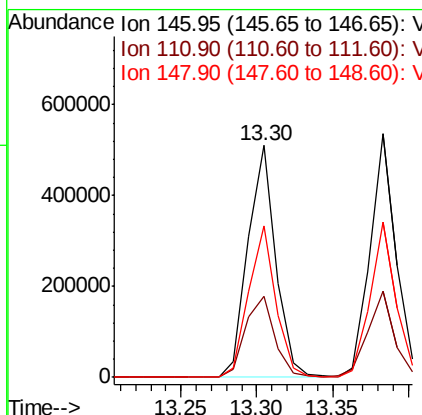
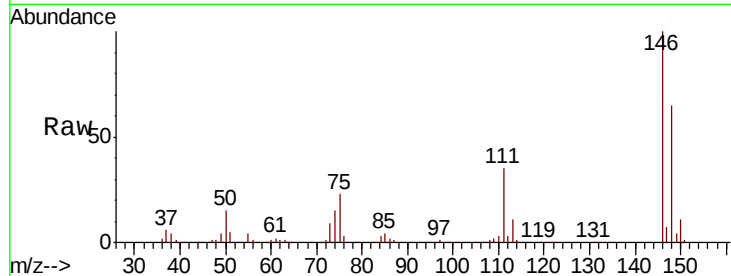




#87
 1,3-Dichlorobenzene
 Concen: 21.362 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

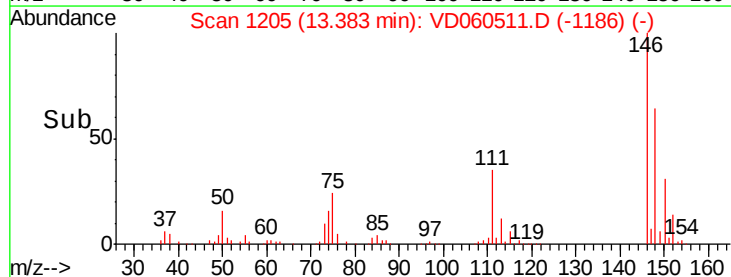
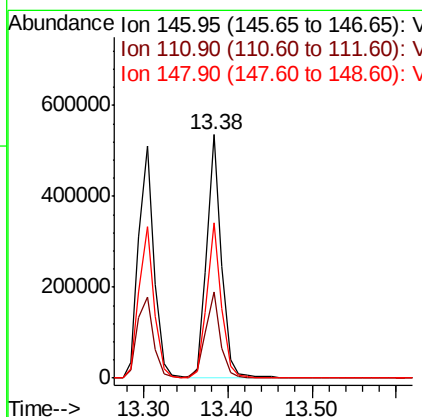
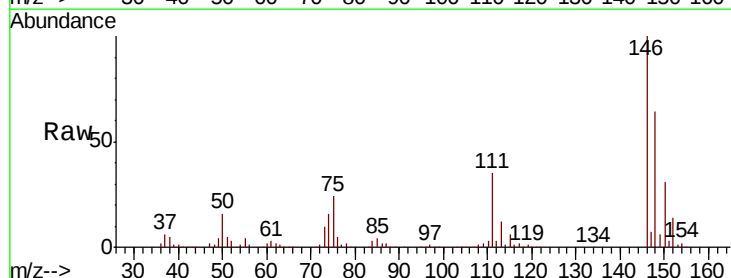
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

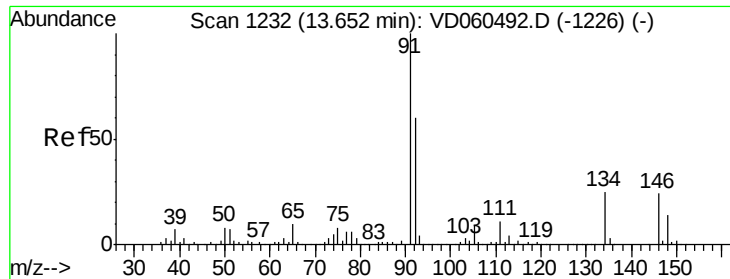
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	16.5	49.5
148	65.3	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.606 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	16.4	49.1
148	63.7	32.6	98.0

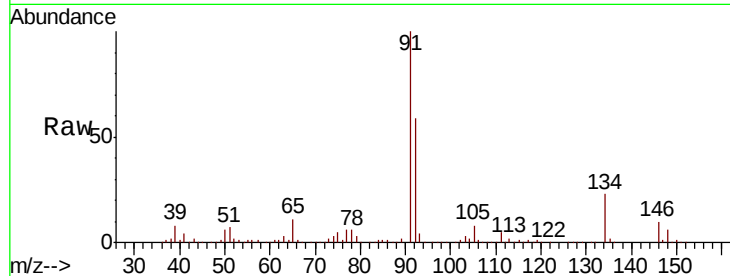




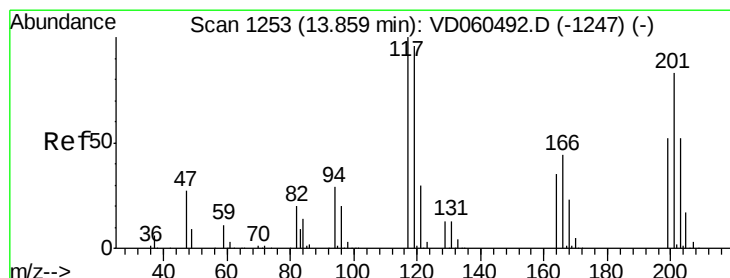
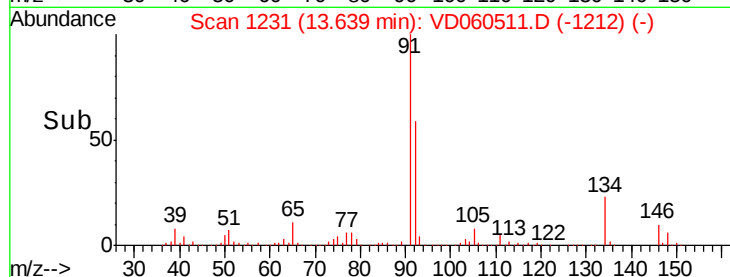
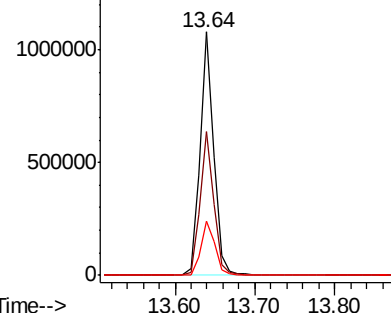
#89
n-Butylbenzene
Concen: 21.578 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 91 Resp: 1302221
Ion Ratio Lower Upper
91 100
92 59.0 30.0 90.1
134 22.5 12.5 37.5

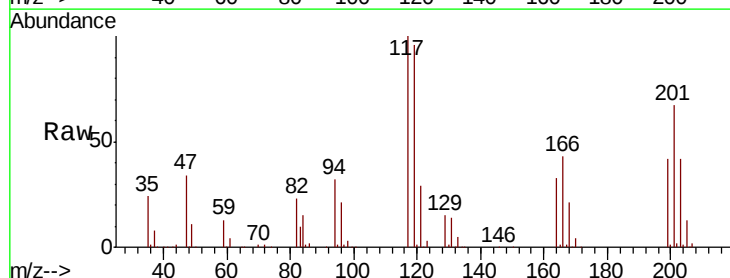


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

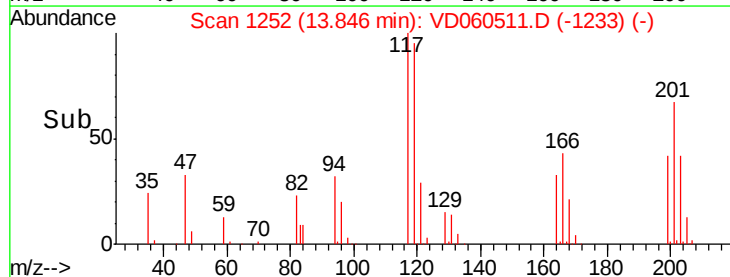
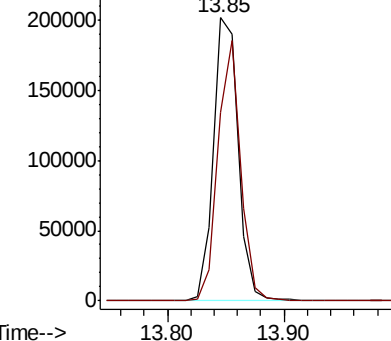


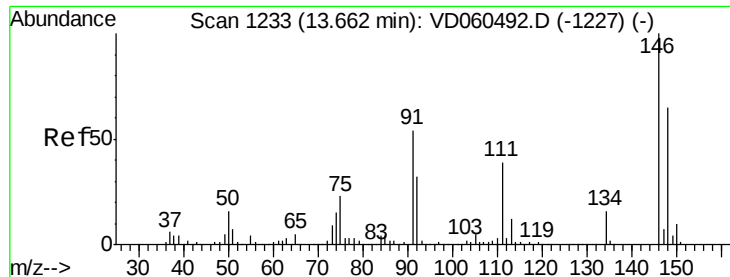
#90
Hexachloroethane
Concen: 21.728 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion: 117 Resp: 297048
Ion Ratio Lower Upper
117 100
201 66.6 41.3 123.9



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

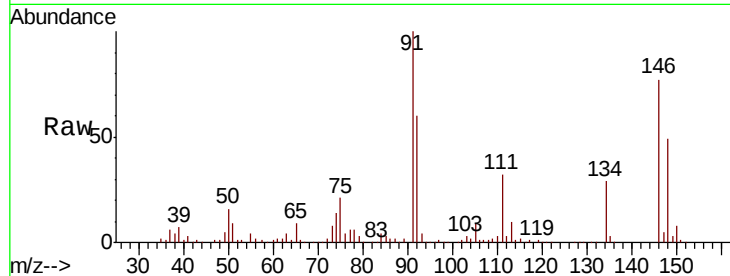




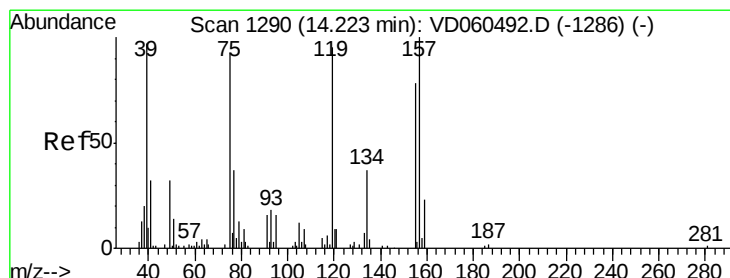
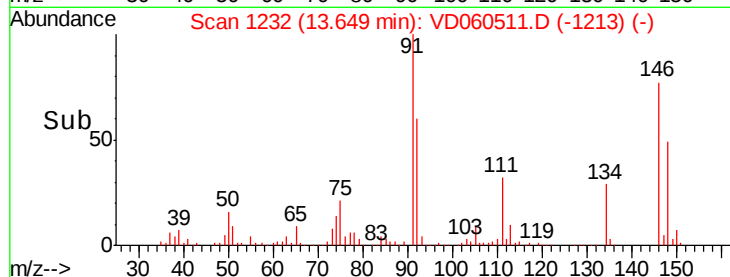
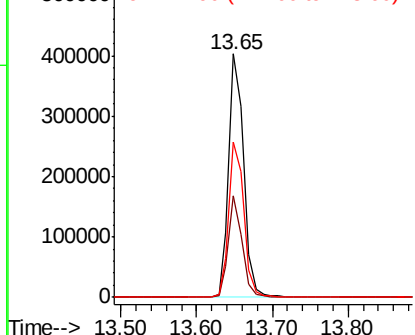
#91
 1,2-Dichlorobenzene
 Concen: 22.131 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1207SBS01

Tot Ion:146 Resp: 554446
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.3 57.8
 148 63.5 32.3 96.8

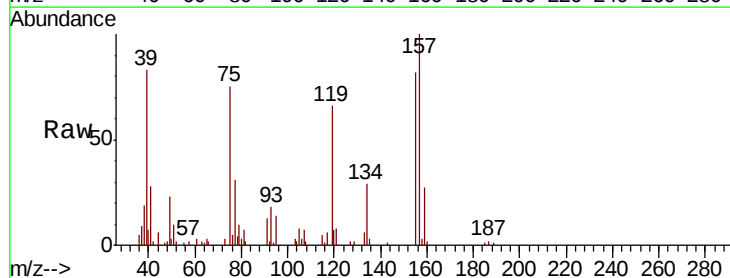


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

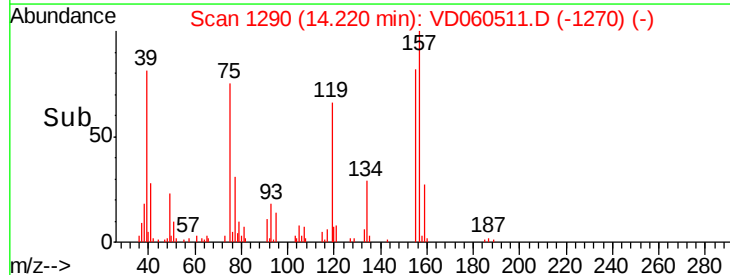
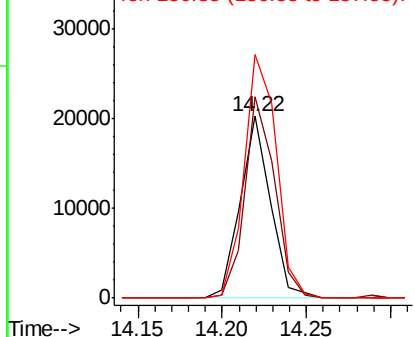


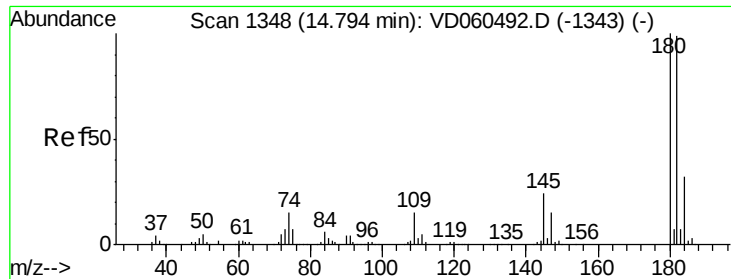
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.226 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion: 75 Resp: 25273
 Ion Ratio Lower Upper
 75 100
 155 110.6 41.6 124.9
 157 134.1 53.6 160.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

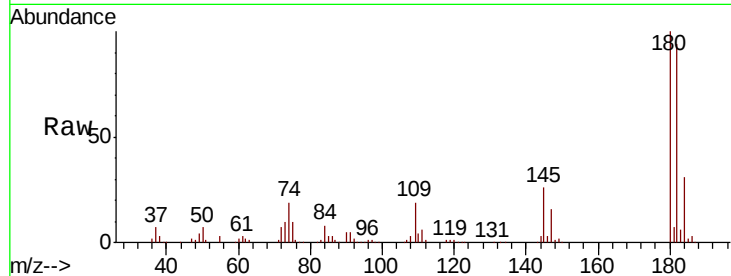




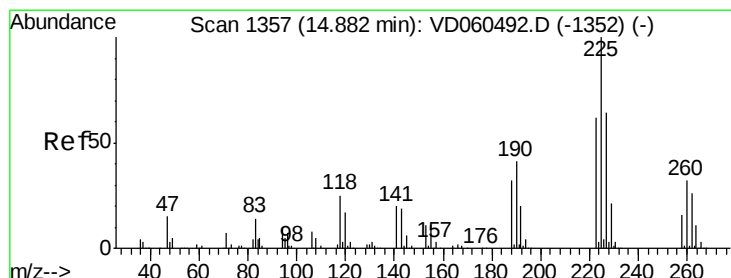
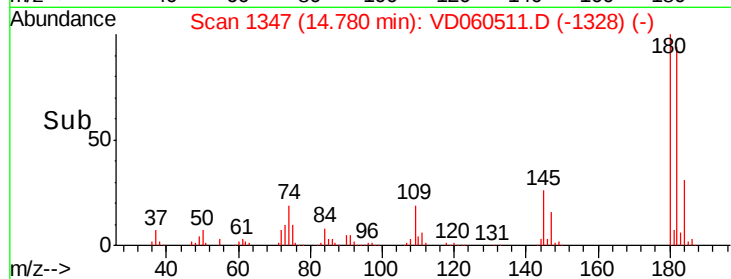
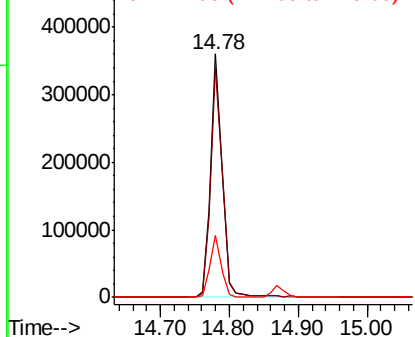
#93
 1,2,4-Trichlorobenzene
 Concen: 21.578 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:180 Resp: 422602
 Ion Ratio Lower Upper
 180 100
 182 94.4 49.4 148.0
 145 25.6 11.9 35.9

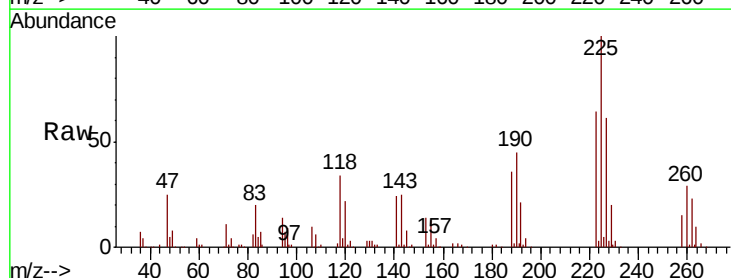


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

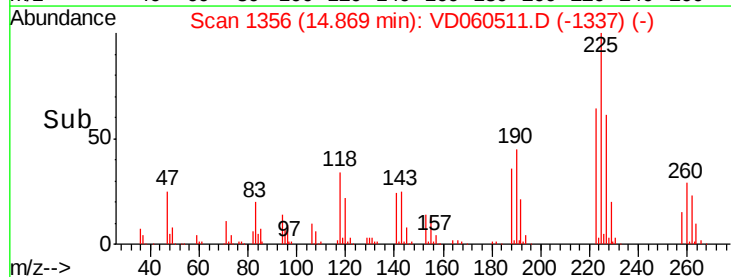
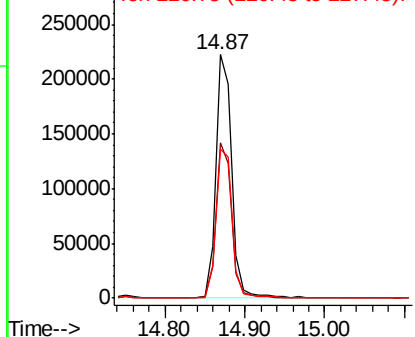


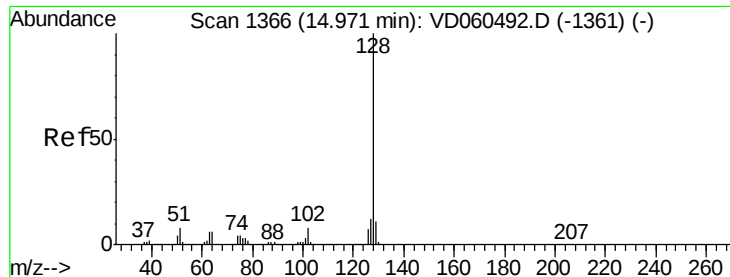
#94
 Hexachlorobutadiene
 Concen: 21.738 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060511.D
 Acq: 7 Dec 2018 11:57

Tgt Ion:225 Resp: 314099
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.2 93.6
 227 61.0 32.0 96.0



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

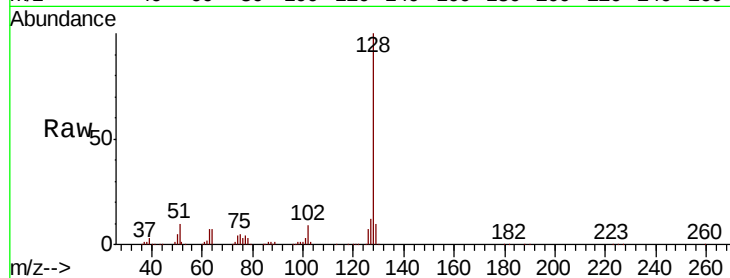




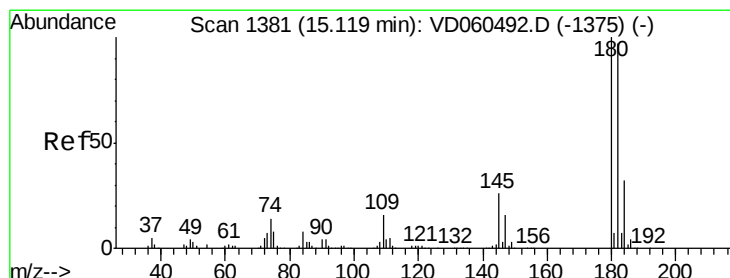
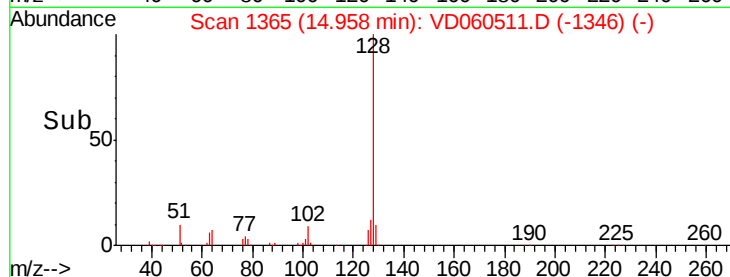
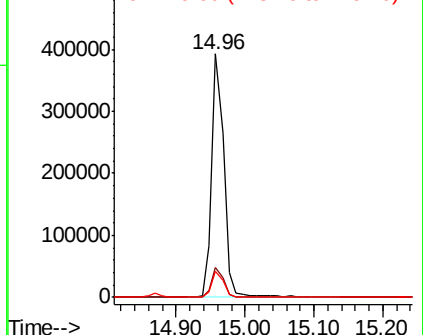
#95
Naphthalene
Concen: 20.737 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion:128 Resp: 483145
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 10.5 8.6 13.0

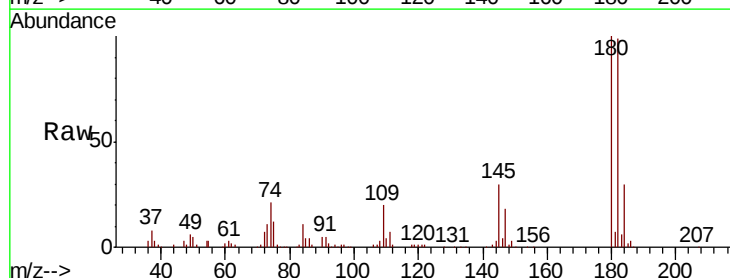


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.818 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060511.D
Acq: 7 Dec 2018 11:57

Tgt Ion:180 Resp: 324873
Ion Ratio Lower Upper
180 100
182 99.3 48.5 145.5
145 29.7 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

