

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122218\
 Data File : VD060703.D
 Acq On : 22 Dec 2018 12:38
 Operator : VA/AP
 Sample : VD122218SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Quant Time: Dec 24 02:18:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1468120	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	2051193	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1612407	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	847830	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	517472	51.00	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	6.35	113	747673	49.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	9.48	98	2159388	48.21	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.44	95	785088	50.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	316091	16.850	ug/l	97
3) Chloromethane	1.79	50	314905	18.240	ug/l	98
4) Vinyl Chloride	1.87	62	254252	18.549	ug/l	97
5) Bromomethane	2.17	94	30269	9.859	ug/l	85
6) Chloroethane	2.28	64	69493	16.989	ug/l	99
7) Trichlorofluoromethane	2.53	101	291119	19.095	ug/l	99
8) Diethyl Ether	2.86	74	49752	19.505	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.12	101	185700	18.778	ug/l	94
10) Methyl Iodide	3.28	142	199326	19.179	ug/l	100
11) Tert butyl alcohol	4.00	59	32564	76.799	ug/l	98
12) 1,1-Dichloroethene	3.10	96	156925	19.312	ug/l	94
13) Acrolein	3.02	56	43162	99.891	ug/l	95
14) Allyl chloride	3.57	41	306046	20.526	ug/l	96
15) Acrylonitrile	4.13	53	241875	98.257	ug/l	94
16) Acetone	3.19	43	165974	93.675	ug/l	97
17) Carbon Disulfide	3.35	76	462628	17.827	ug/l	100
18) Methyl Acetate	3.59	43	95461	21.740	ug/l	95
19) Methyl tert-butyl Ether	4.16	73	390385	18.937	ug/l	99
20) Methylene Chloride	3.75	84	326111	17.723	ug/l	99
21) trans-1,2-Dichloroethene	4.14	96	304058	18.272	ug/l	100
22) Diisopropyl ether	4.89	45	964083	19.044	ug/l	96
23) Vinyl Acetate	4.84	43	2378747	97.123	ug/l	100
24) 1,1-Dichloroethane	4.79	63	509522	19.135	ug/l	99
25) 2-Butanone	5.65	43	324547	95.723	ug/l	96
26) 2,2-Dichloropropane	5.62	77	396877	18.882	ug/l	100
27) cis-1,2-Dichloroethene	5.62	96	312225	18.483	ug/l	93
28) Bromochloromethane	5.96	49	207777	18.471	ug/l	95
29) Tetrahydrofuran	5.99	42	180371	93.842	ug/l	98
30) Chloroform	6.14	83	503223	18.781	ug/l	98
31) Cyclohexane	6.40	56	462624	18.054	ug/l	98
32) 1,1,1-Trichloroethane	6.32	97	415736	18.754	ug/l	96
36) 1,1-Dichloropropene	6.56	75	398461	18.865	ug/l	98
37) Ethyl Acetate	5.73	43	172244	19.499	ug/l #	98
38) Carbon Tetrachloride	6.53	117	348430	18.699	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122218\
 Data File : VD060703.D
 Acq On : 22 Dec 2018 12:38
 Operator : VA/AP
 Sample : VD122218SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1222SBSD01

Quant Time: Dec 24 02:18:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	440736	18.296	ug/l	99
40) Benzene	6.82	78	1018544	18.669	ug/l	99
41) Methacrylonitrile	5.98	41	199855	40.902	ug/l #	74
42) 1,2-Dichloroethane	6.92	62	251793	18.597	ug/l	99
43) Isopropyl Acetate	8.37	43	210674	18.585	ug/l #	100
44) Trichloroethene	7.77	130	299864	18.570	ug/l	100
45) 1,2-Dichloropropane	8.13	63	251278	18.780	ug/l	100
46) Dibromomethane	8.24	93	146173	19.142	ug/l	91
47) Bromodichloromethane	8.52	83	338287	18.704	ug/l	96
48) Methyl methacrylate	8.27	41	125544	18.234	ug/l	99
49) 1,4-Dioxane	8.26	88	23189	362.232	ug/l #	87
51) 4-Methyl-2-Pentanone	9.36	43	651038	93.738	ug/l	99
52) Toluene	9.57	92	626204	18.309	ug/l	99
53) t-1,3-Dichloropropene	9.94	75	285654	18.931	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	369284	18.698	ug/l	96
55) 1,1,2-Trichloroethane	10.21	97	177769	19.318	ug/l	96
56) Ethyl methacrylate	10.05	69	153402	17.947	ug/l	98
57) 1,3-Dichloropropane	10.41	76	268061	18.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	515707	102.396	ug/l	99
59) 2-Hexanone	10.50	43	463459	95.334	ug/l	99
60) Dibromochloromethane	10.66	129	216998	18.512	ug/l	98
61) 1,2-Dibromoethane	10.78	107	180356	18.895	ug/l	94
64) Tetrachloroethene	10.28	164	269817	18.463	ug/l	98
65) Chlorobenzene	11.33	112	681988	19.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	229298	20.019	ug/l	99
67) Ethyl Benzene	11.45	91	1245126	20.409	ug/l	99
68) m/p-Xylenes	11.59	106	908689	40.755	ug/l	99
69) o-Xylene	11.95	106	427526	20.211	ug/l	95
70) Styrene	11.97	104	668952	19.635	ug/l	98
71) Bromoform	12.13	173	139717	18.479	ug/l	99
73) Isopropylbenzene	12.30	105	1191860	19.744	ug/l	99
74) N-amyl acetate	12.15	43	270565	18.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	189829	19.401	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	186436	19.315	ug/l	100
77) Bromobenzene	12.55	156	303053	19.016	ug/l	90
78) n-propylbenzene	12.65	91	1473457	19.093	ug/l	98
79) 2-Chlorotoluene	12.72	91	806133	19.503	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	954346	20.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	50868	19.072	ug/l	97
82) 4-Chlorotoluene	12.83	91	937556	20.012	ug/l	89
83) tert-Butylbenzene	13.06	119	1055587	19.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	945233	19.689	ug/l	97
85) sec-Butylbenzene	13.23	105	1280620	19.795	ug/l	99
86) p-Isopropyltoluene	13.36	119	1017290	19.480	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	576170	19.694	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	549275	19.053	ug/l	99
89) n-Butylbenzene	13.66	91	1075323	20.150	ug/l	99
90) Hexachloroethane	13.87	117	239260	18.650	ug/l	94
91) 1,2-Dichlorobenzene	13.67	146	466286	19.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	21718	18.894	ug/l	86

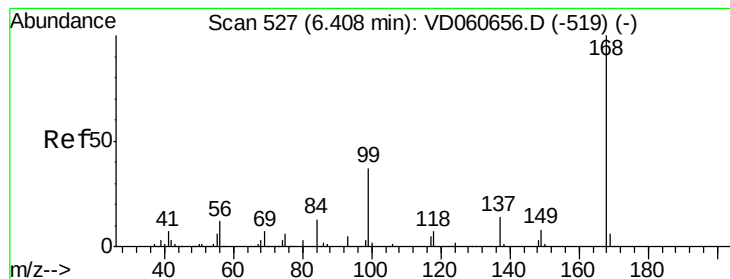
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122218\
Data File : VD060703.D
Acq On : 22 Dec 2018 12:38
Operator : VA/AP
Sample : VD122218SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

Quant Time: Dec 24 02:18:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	353003	18.903	ug/l	99
94) Hexachlorobutadiene	14.89	225	263039	19.056	ug/l	97
95) Naphthalene	14.98	128	414056	18.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	285971	19.590	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

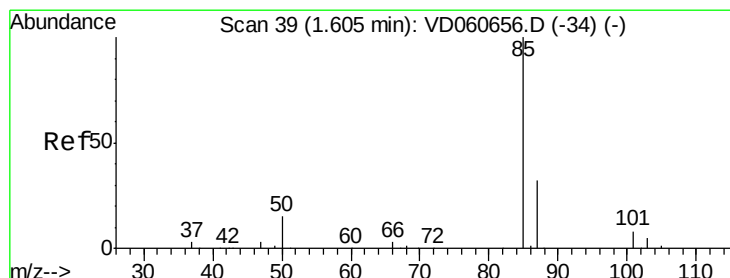
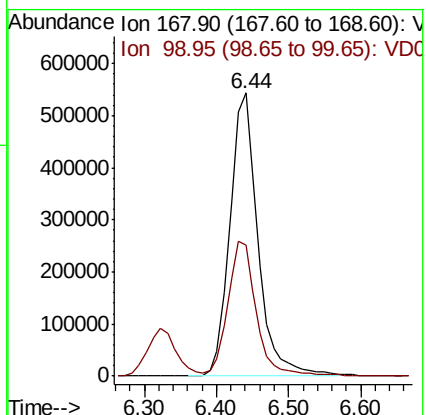
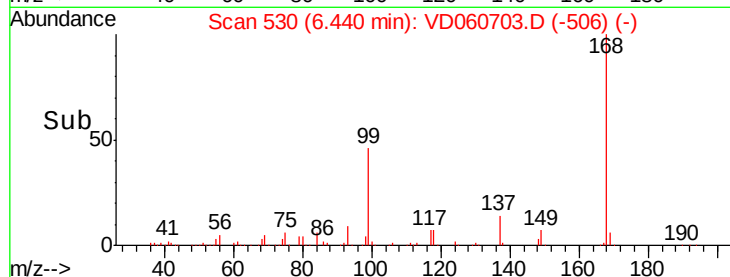
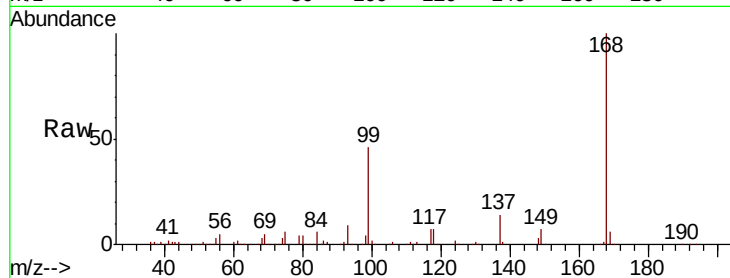
VD1222SBS01

Tot Ion:168 Resp: 1468120

Ion Ratio Lower Upper

168 100

99 46.3 38.7 58.1



#2

Dichlorodifluoromethane

Concen: 16.850 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.00 min

Lab File: VD060703.D

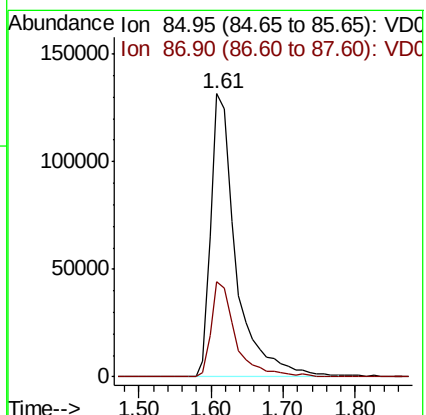
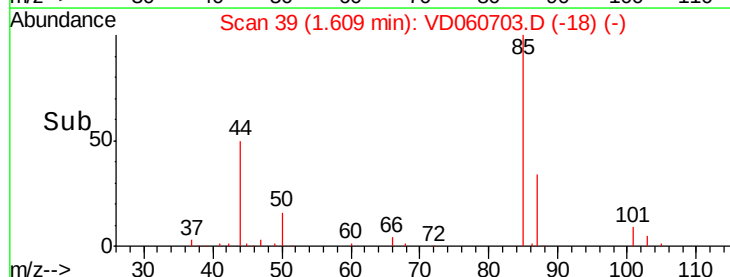
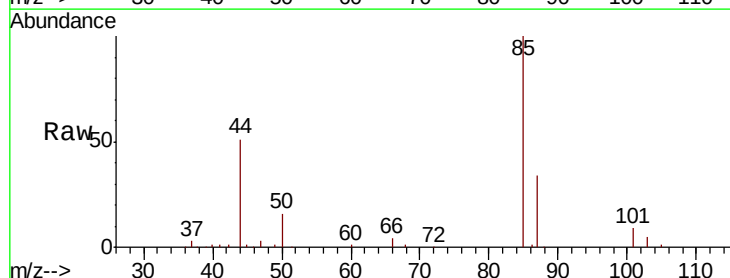
Acq: 22 Dec 2018 12:38

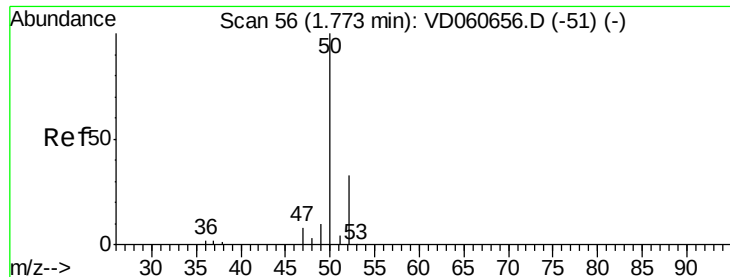
Tgt Ion: 85 Resp: 316091

Ion Ratio Lower Upper

85 100

87 33.8 16.0 47.9





#3

Chloromethane

Concen: 18.240 ug/l

RT: 1.79 min Scan# 57

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

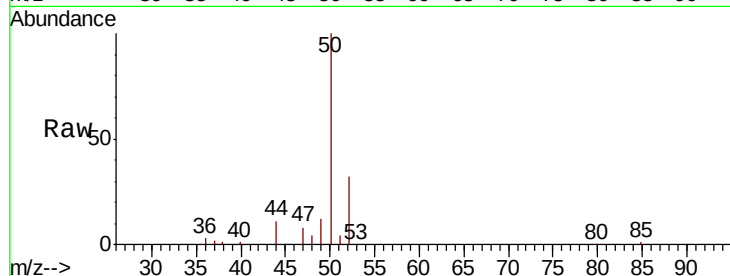
VD1222SBS01

Tot Ion: 50 Resp: 314905

Ion Ratio Lower Upper

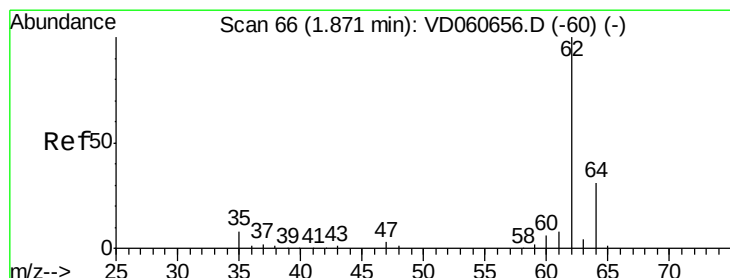
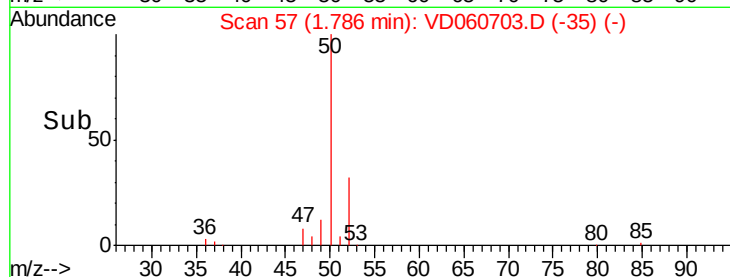
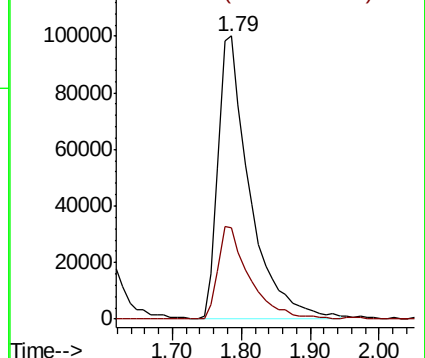
50 100

52 32.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.549 ug/l

RT: 1.87 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060703.D

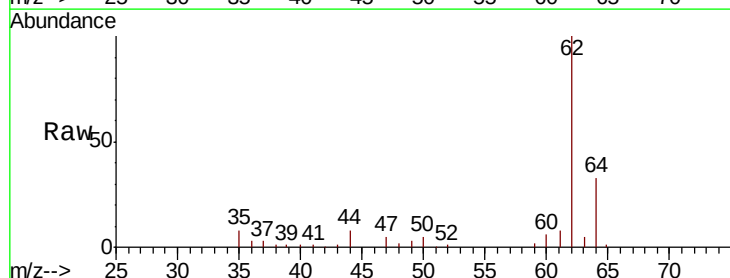
Acq: 22 Dec 2018 12:38

Tgt Ion: 62 Resp: 254252

Ion Ratio Lower Upper

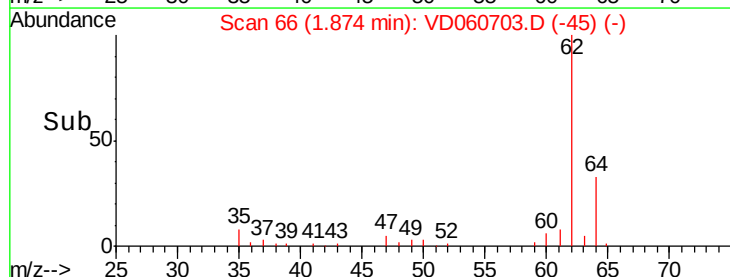
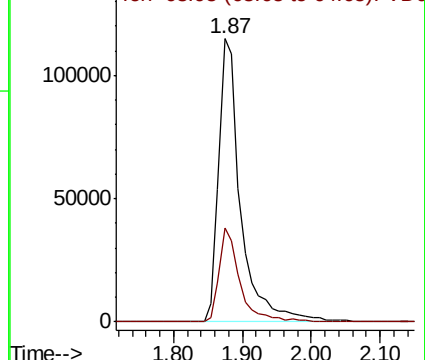
62 100

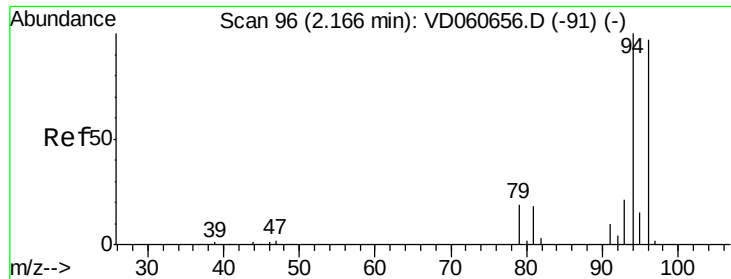
64 33.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.859 ug/l

RT: 2.17 min Scan# 96

Delta R.T. 0.00 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

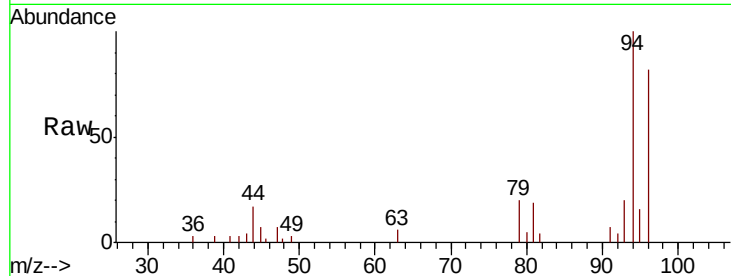
VD1222SBS01

Tot Ion: 94 Resp: 30269

Ion Ratio Lower Upper

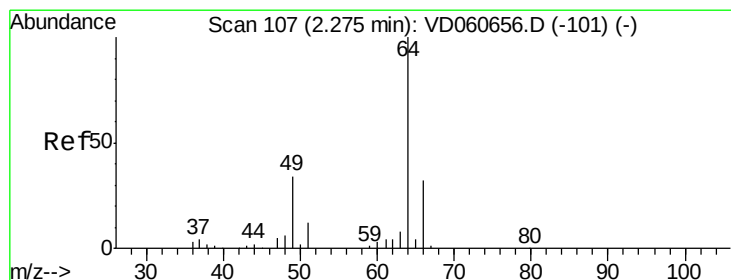
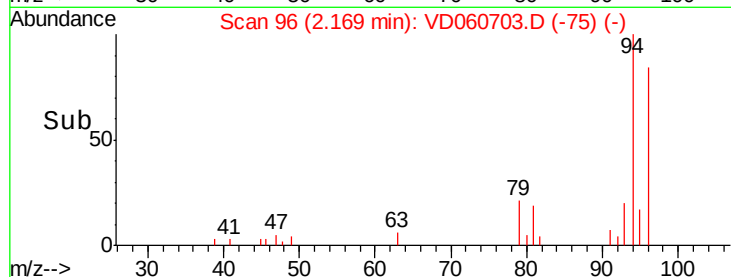
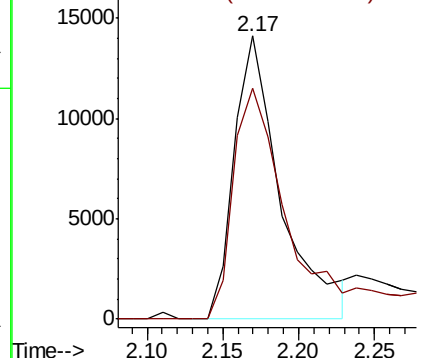
94 100

96 81.6 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.989 ug/l

RT: 2.28 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD060703.D

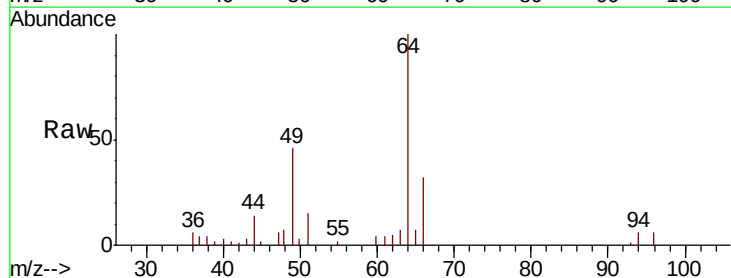
Acq: 22 Dec 2018 12:38

Tgt Ion: 64 Resp: 69493

Ion Ratio Lower Upper

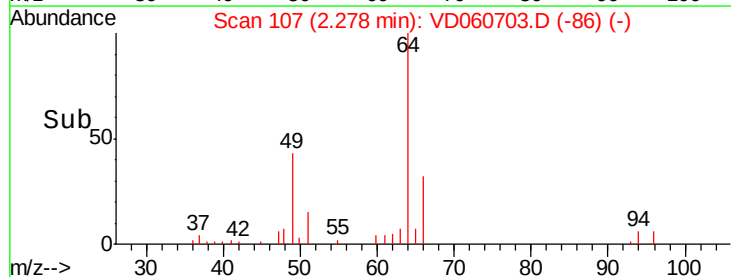
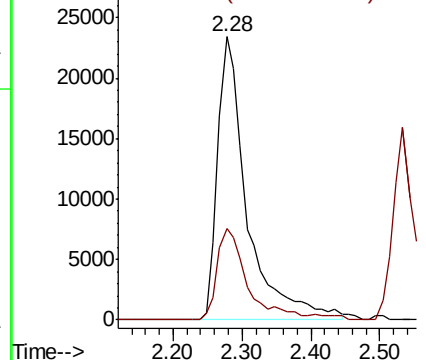
64 100

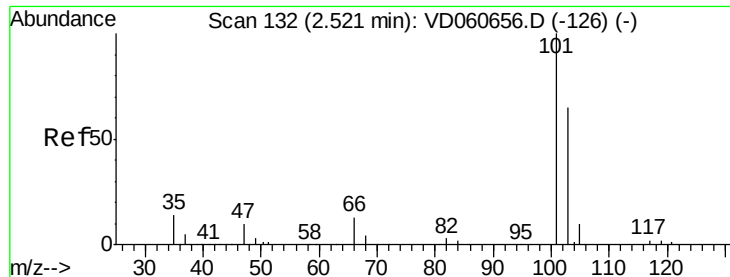
66 32.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



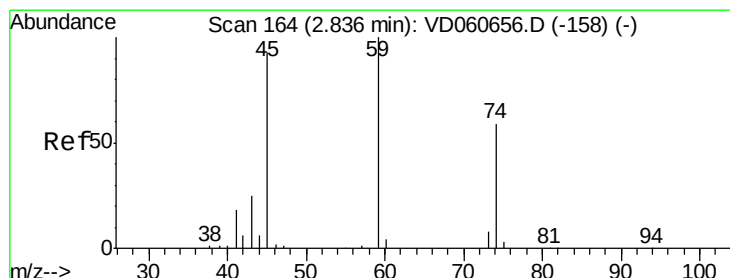
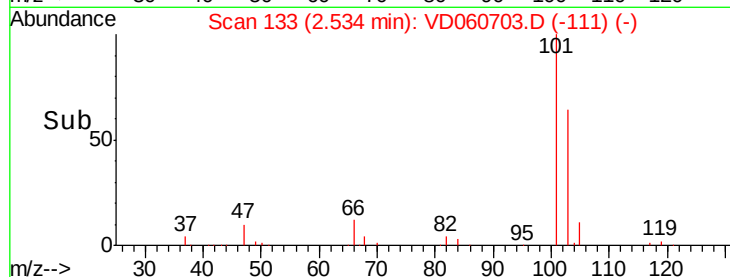
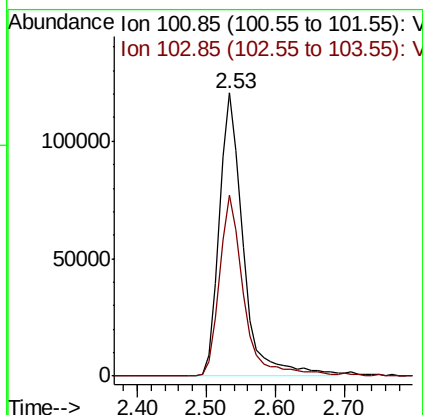
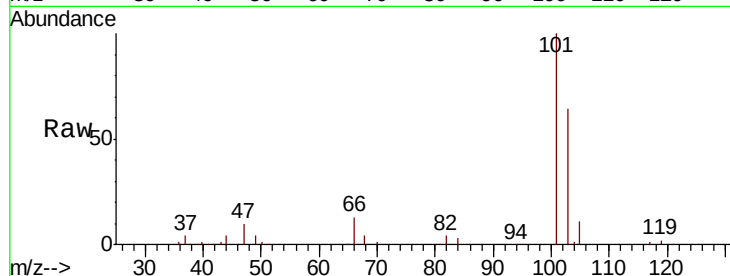


#7

Trichlorofluoromethane
Concen: 19.095 ug/l
RT: 2.53 min Scan# 133
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

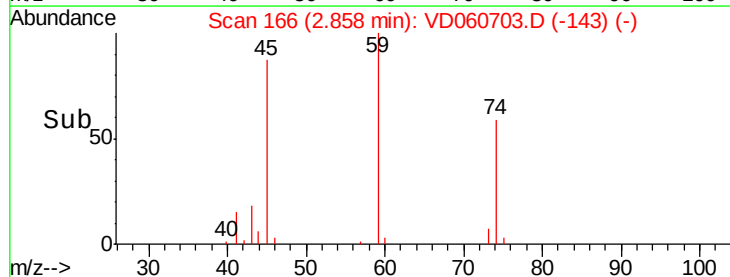
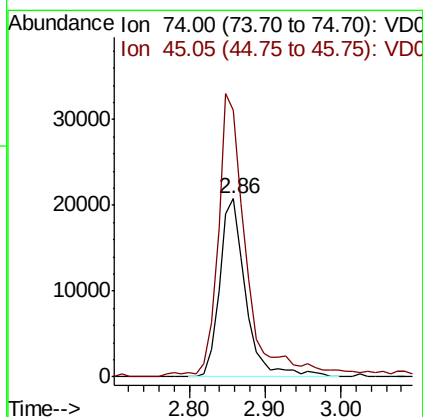
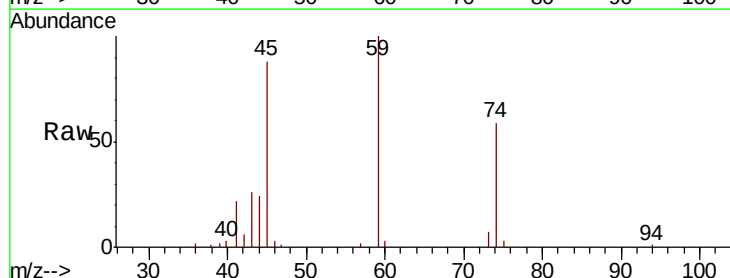
Tot Ion:101 Resp: 291119
Ion Ratio Lower Upper
101 100
103 64.1 51.9 77.9

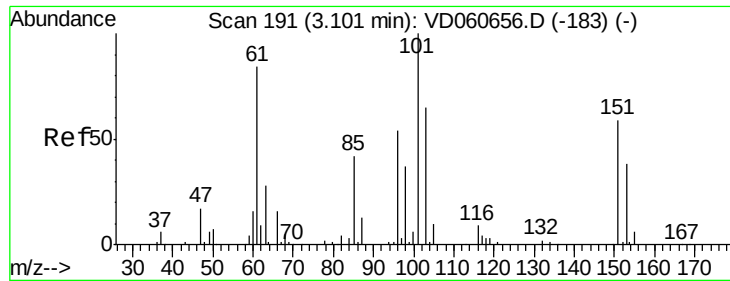


#8

Diethyl Ether
Concen: 19.505 ug/l
RT: 2.86 min Scan# 166
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 74 Resp: 49752
Ion Ratio Lower Upper
74 100
45 150.0 79.3 238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.778 ug/l

RT: 3.12 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBSD01

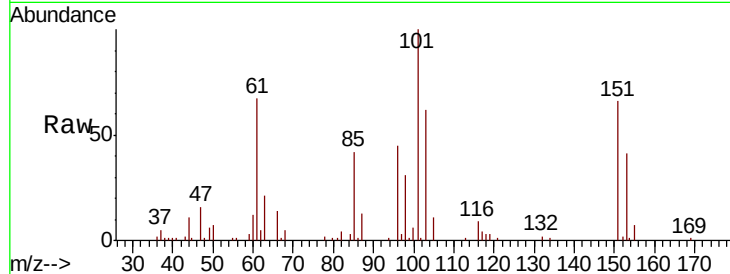
Tot Ion:101 Resp: 185700

Ion Ratio Lower Upper

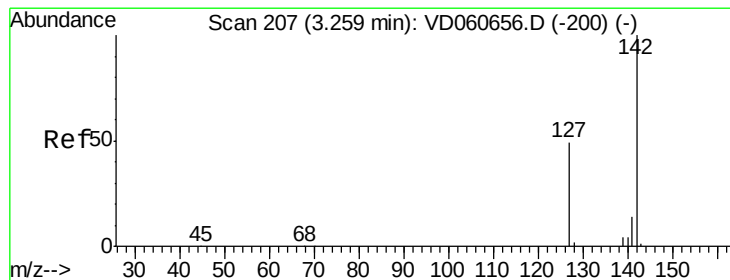
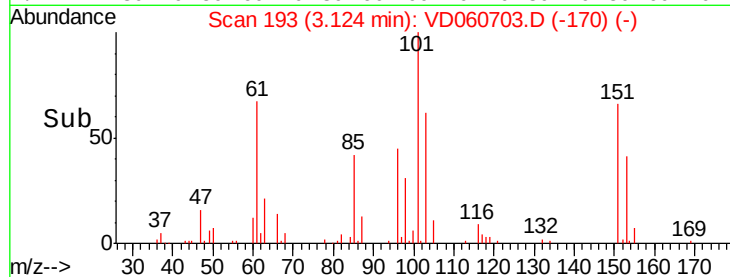
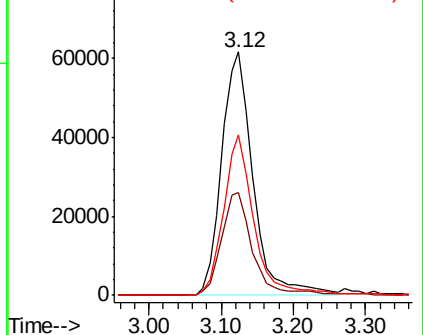
101 100

85 42.2 33.4 50.0

151 66.1 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.179 ug/l

RT: 3.28 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

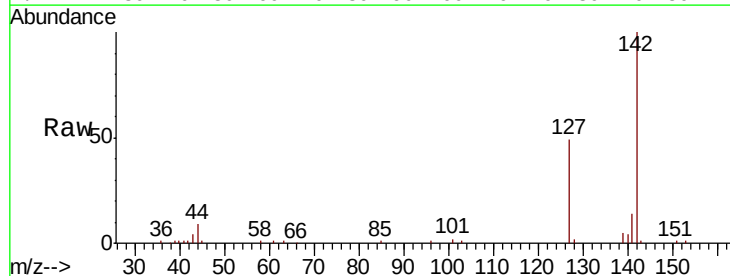
Tgt Ion:142 Resp: 199326

Ion Ratio Lower Upper

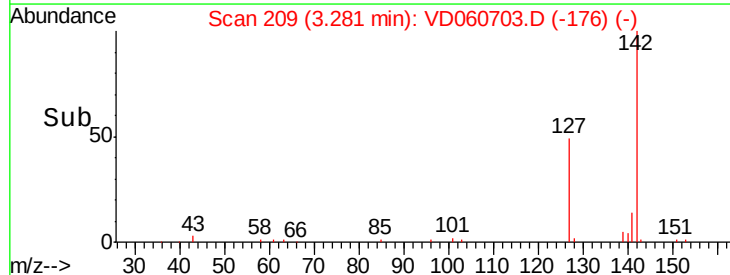
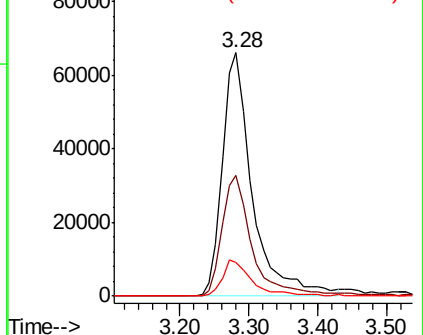
142 100

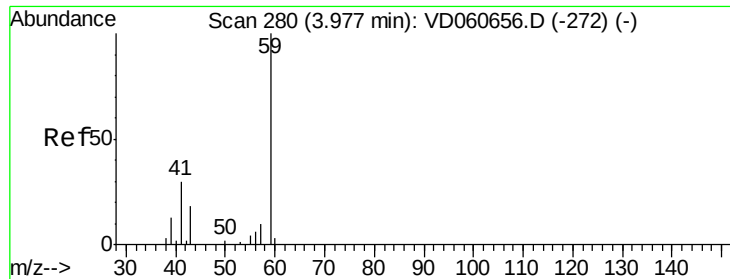
127 49.4 39.5 59.3

141 13.7 11.3 16.9



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



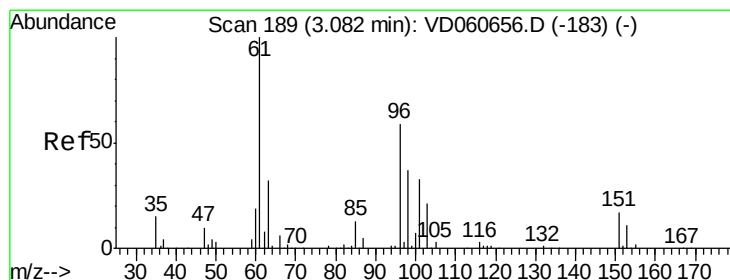
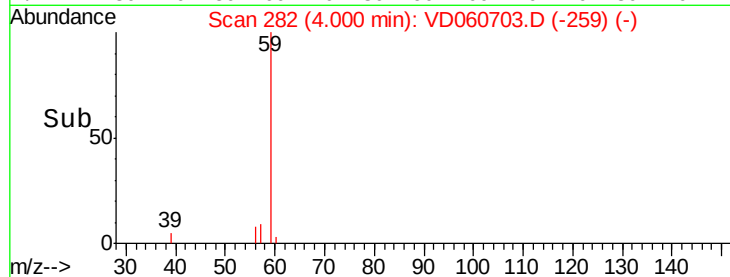
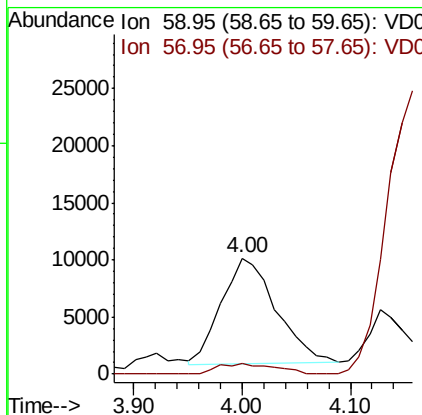
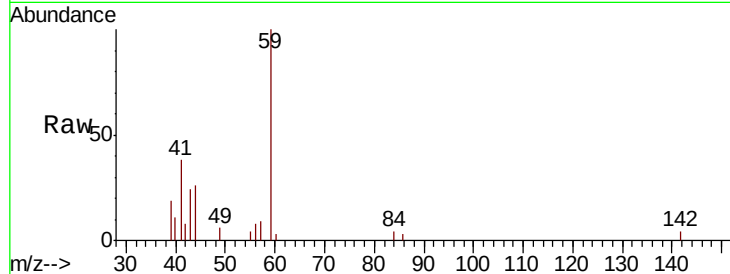


#11

Tert butyl alcohol
 Concen: 76.799 ug/l
 RT: 4.00 min Scan# 282
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

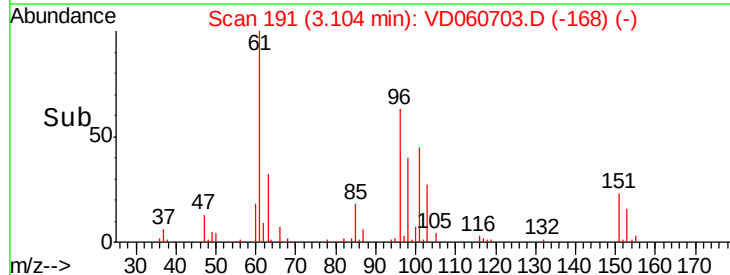
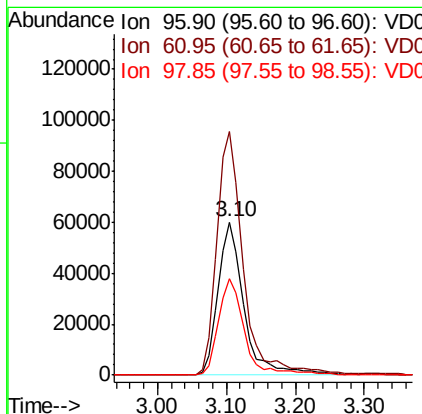
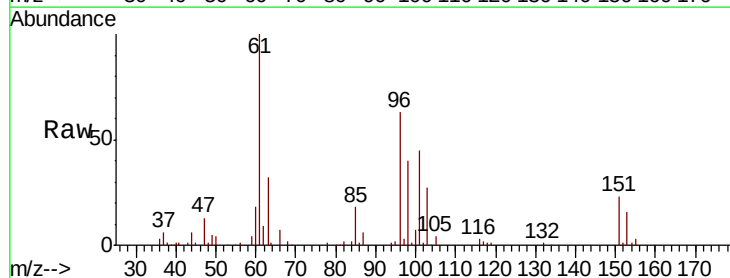
Tot Ion: 59 Resp: 32564
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.8 11.6

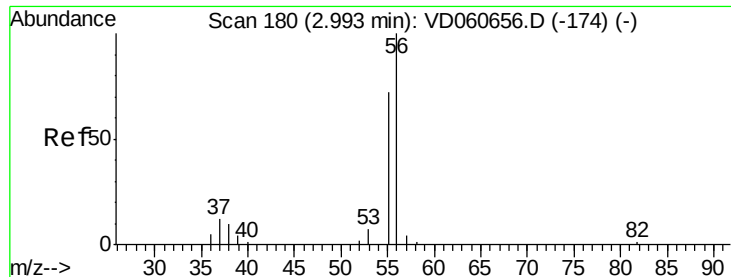


#12

1,1-Dichloroethene
 Concen: 19.312 ug/l
 RT: 3.10 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 96 Resp: 156925
 Ion Ratio Lower Upper
 96 100
 61 159.4 136.2 204.4
 98 63.3 50.7 76.1





#13

Acrolein

Concen: 99.891 ug/l

RT: 3.02 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

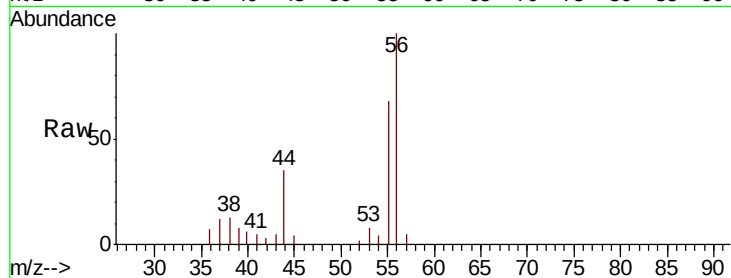
VD1222SBS01

Tot Ion: 56 Resp: 43162

Ion Ratio Lower Upper

56 100

55 68.2 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

15000

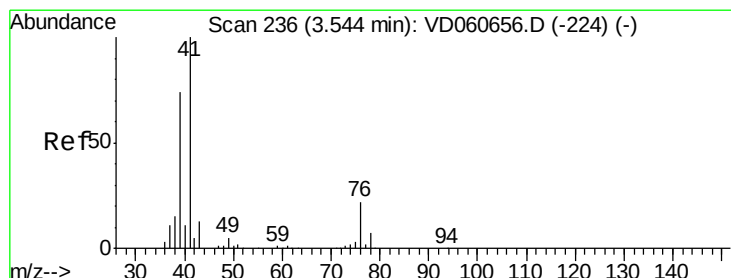
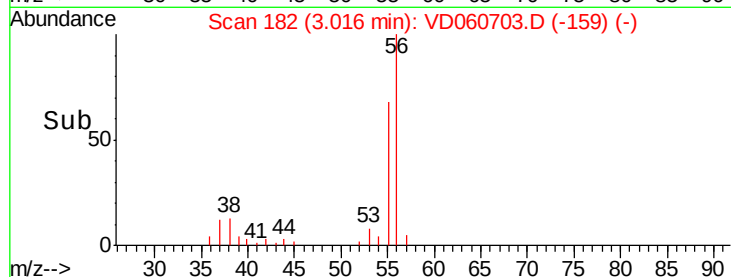
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 20.526 ug/l

RT: 3.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

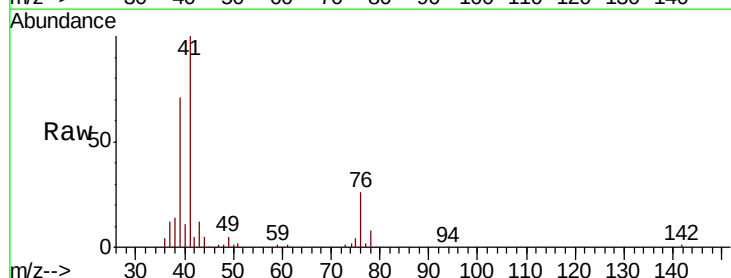
Tgt Ion: 41 Resp: 306046

Ion Ratio Lower Upper

41 100

39 70.6 59.6 89.4

76 26.0 21.8 32.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

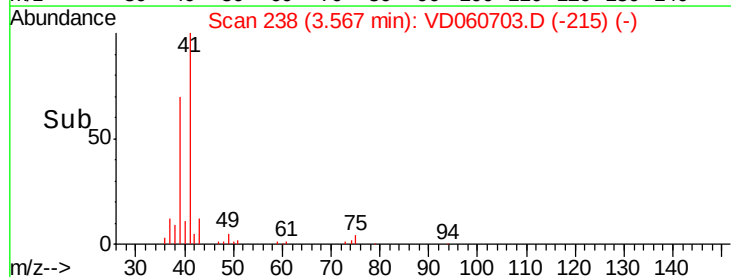
100000

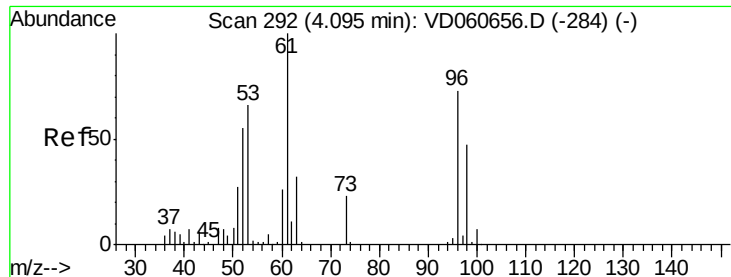
50000

0

Time-->

3.40 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 98.257 ug/l

RT: 4.13 min Scan# 295

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

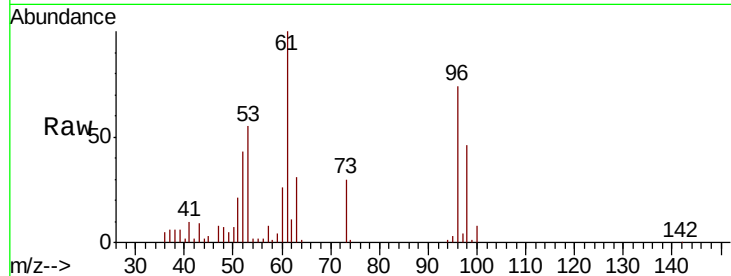
Tot Ion: 53 Resp: 241875

Ion Ratio Lower Upper

53 100

52 78.0 66.7 100.1

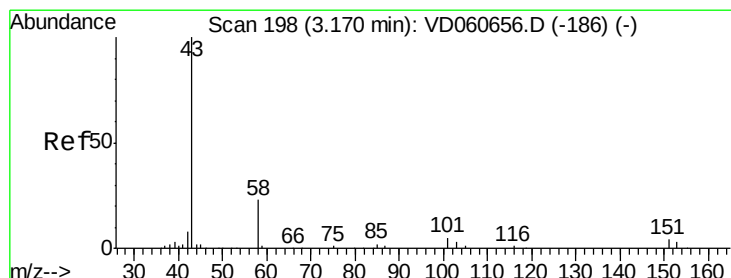
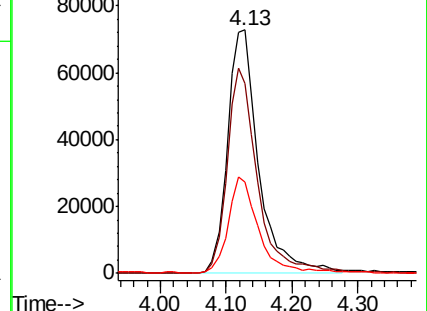
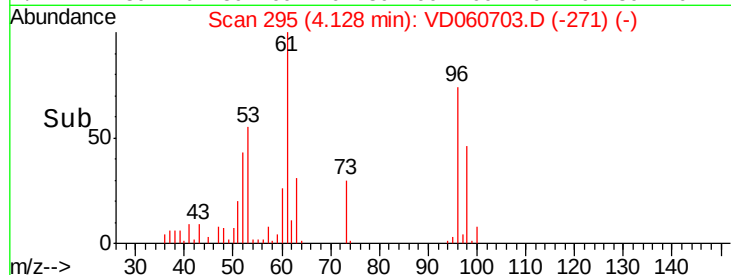
51 37.4 32.7 49.1



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: 93.675 ug/l

RT: 3.19 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD060703.D

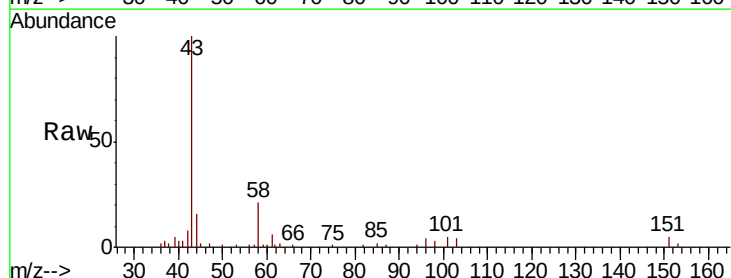
Acq: 22 Dec 2018 12:38

Tgt Ion: 43 Resp: 165974

Ion Ratio Lower Upper

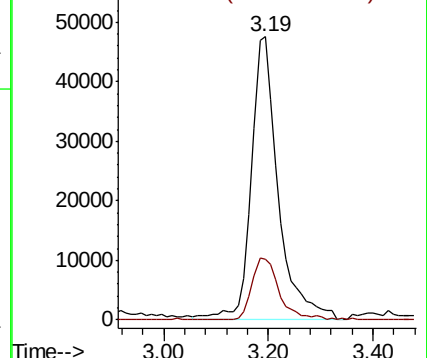
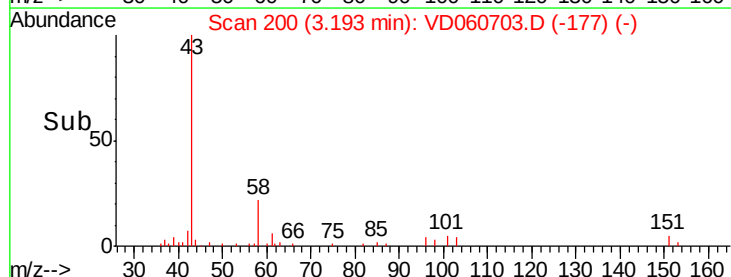
43 100

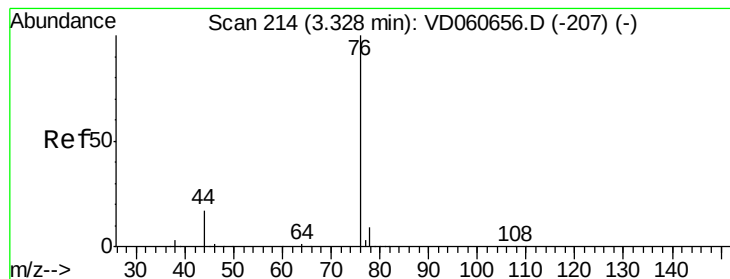
58 21.5 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.827 ug/l

RT: 3.35 min Scan# 216

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

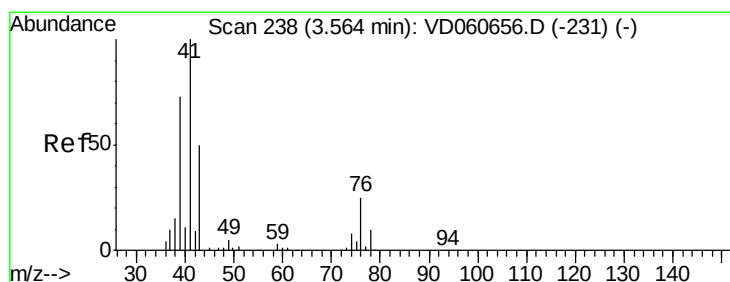
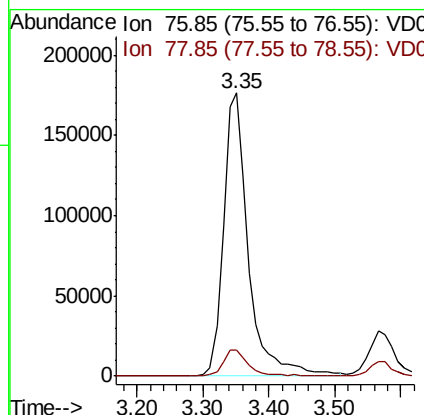
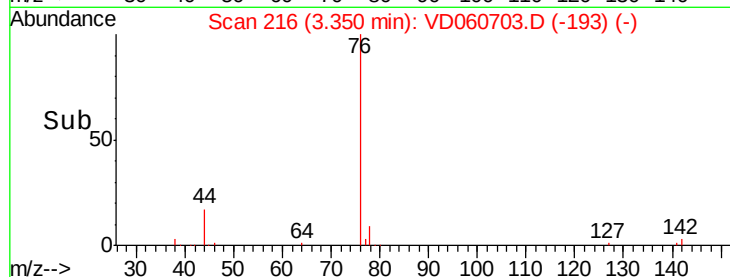
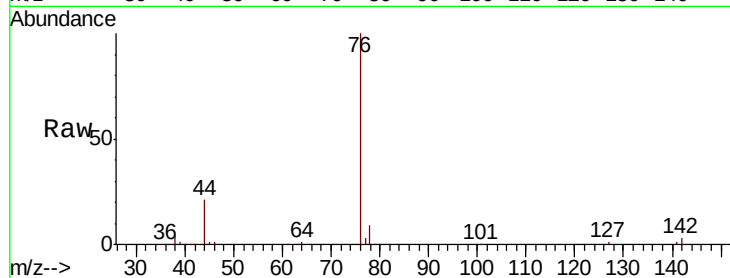
VD1222SBS01

Tot Ion: 76 Resp: 462628

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



#18

Methyl Acetate

Concen: 21.740 ug/l

RT: 3.59 min Scan# 240

Delta R.T. 0.02 min

Lab File: VD060703.D

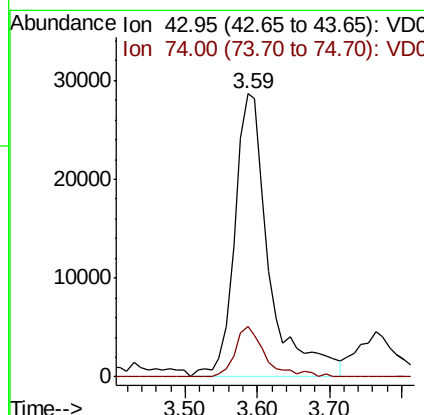
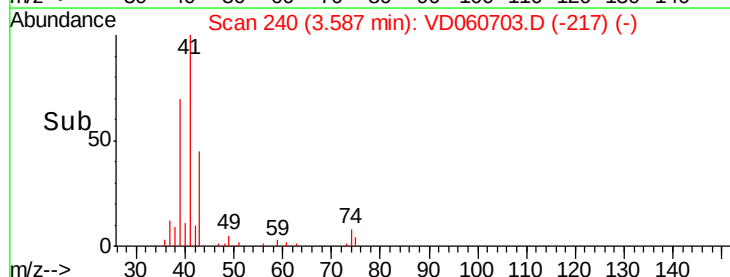
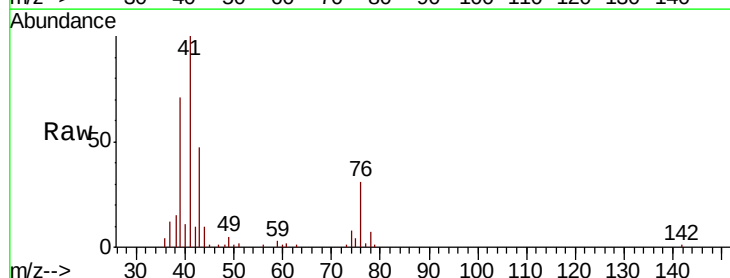
Acq: 22 Dec 2018 12:38

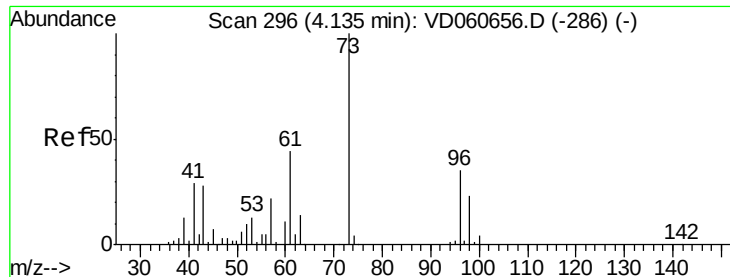
Tgt Ion: 43 Resp: 95461

Ion Ratio Lower Upper

43 100

74 17.8 12.4 18.6



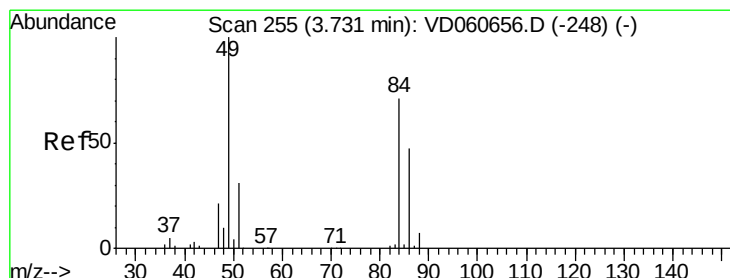
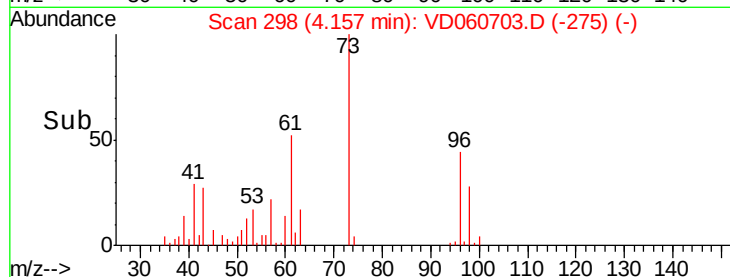
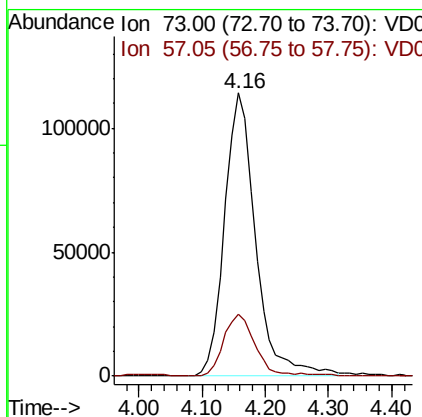
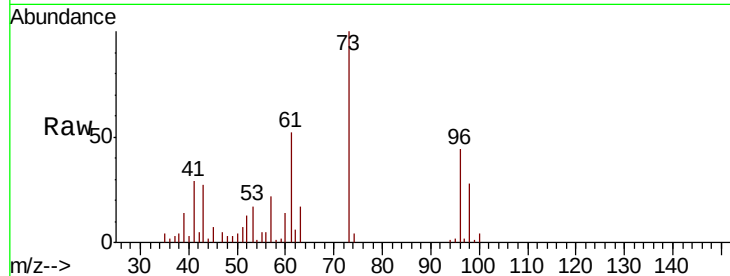


#19

Methyl tert-butyl Ether
 Concen: 18.937 ug/l
 RT: 4.16 min Scan# 298
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

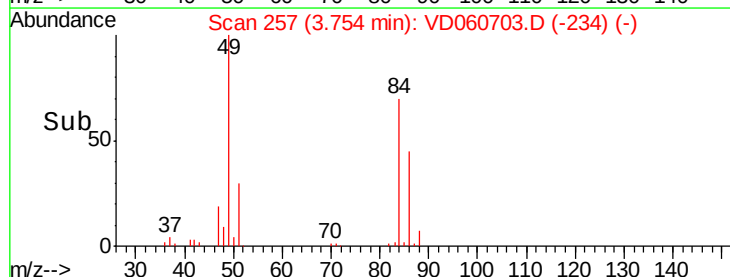
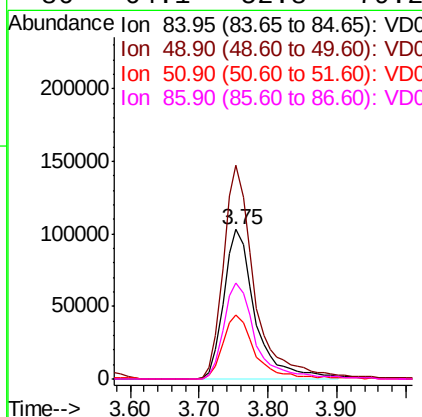
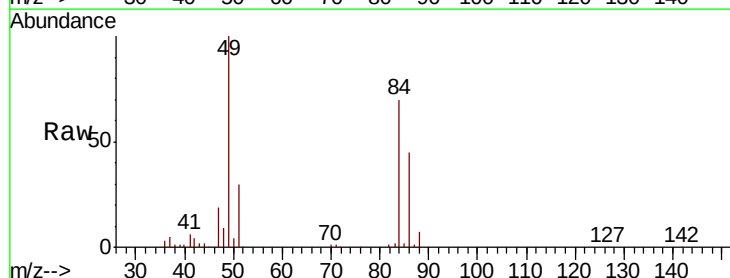
Tot Ion: 73 Resp: 390385
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.6 26.4

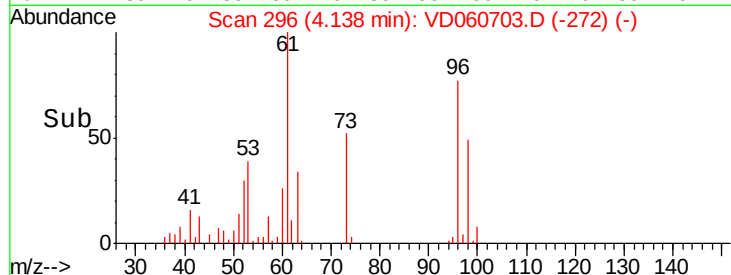
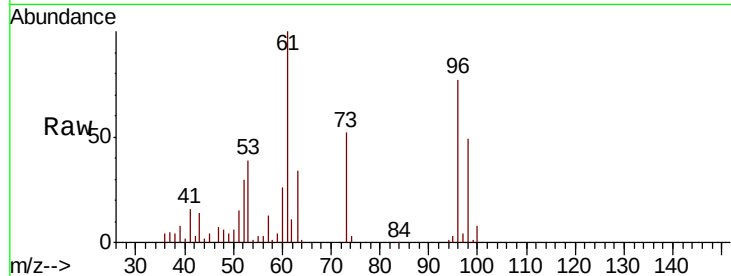
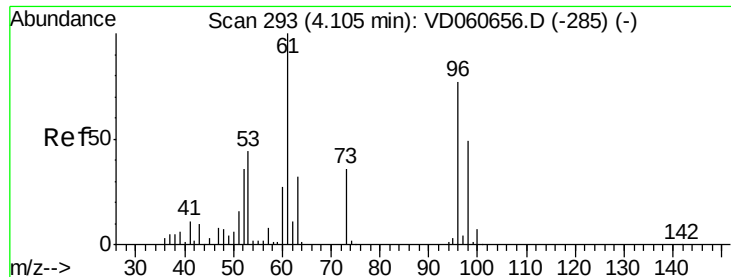


#20

Methylene Chloride
 Concen: 17.723 ug/l
 RT: 3.75 min Scan# 257
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 84 Resp: 326111
 Ion Ratio Lower Upper
 84 100
 49 143.0 113.6 170.4
 51 43.3 34.7 52.1
 86 64.1 52.8 79.2

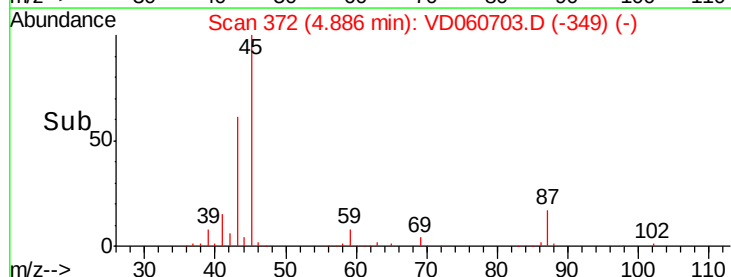
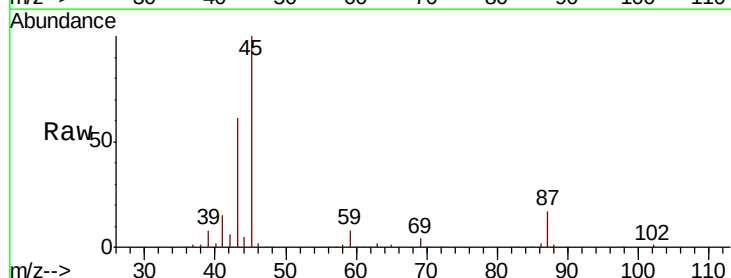
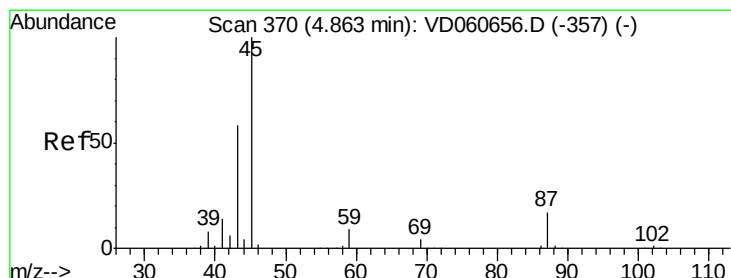
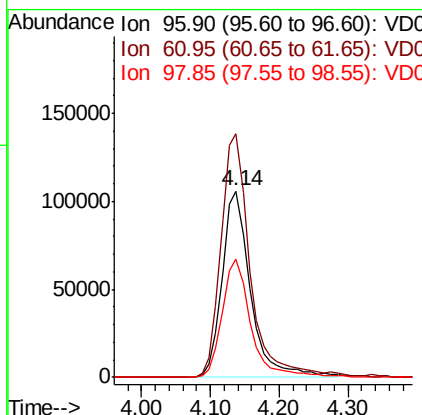




#21
trans-1,2-Dichloroethene
Concen: 18.272 ug/l
RT: 4.14 min Scan# 296
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

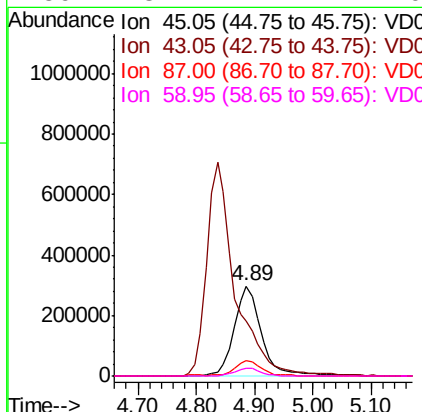
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

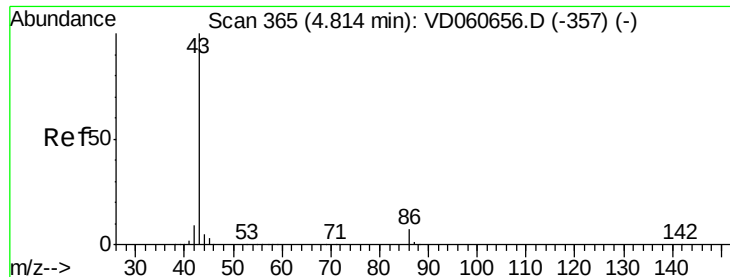
Tot Ion: 96 Resp: 304058
Ion Ratio Lower Upper
96 100
61 130.5 104.2 156.2
98 63.4 51.2 76.8



#22
Diisopropyl ether
Concen: 19.044 ug/l
RT: 4.89 min Scan# 372
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 45 Resp: 964083
Ion Ratio Lower Upper
45 100
43 61.3 46.1 69.1
87 17.4 13.7 20.5
59 8.1 7.4 11.0





#23

Vinyl Acetate

Concen: 97.123 ug/l

RT: 4.84 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

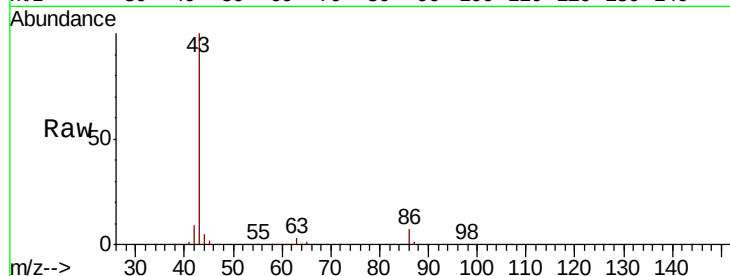
VD1222SBS01

Tot Ion: 43 Resp: 2378747

Ion Ratio Lower Upper

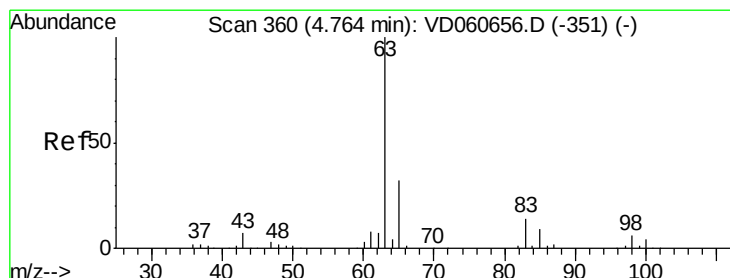
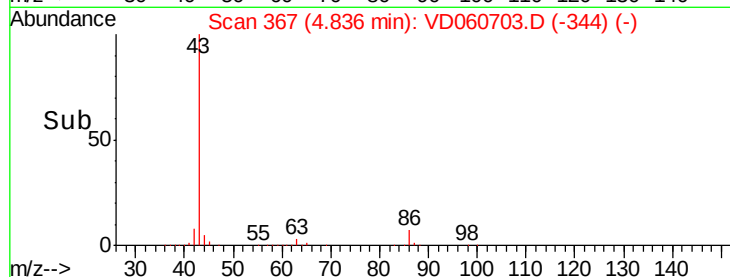
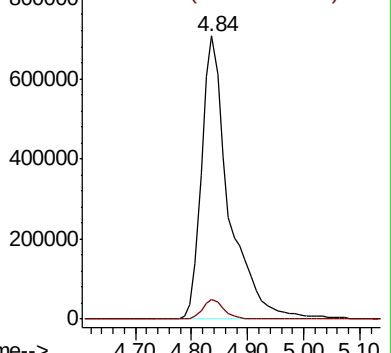
43 100

86 6.9 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 86.00 (85.70 to 86.70): VD0



#24

1,1-Dichloroethane

Concen: 19.135 ug/l

RT: 4.79 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

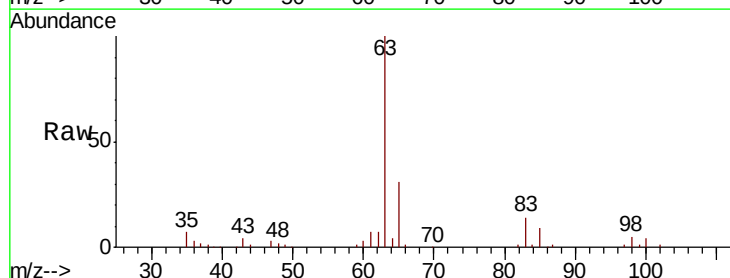
Tgt Ion: 63 Resp: 509522

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.7

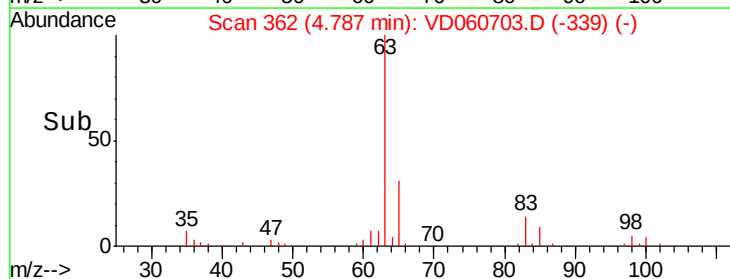
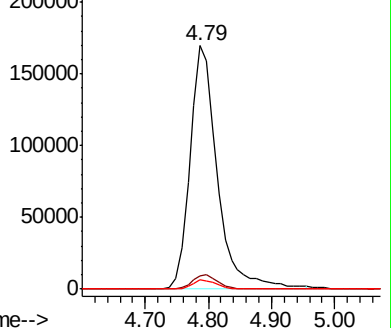
100 4.0 2.0 5.8

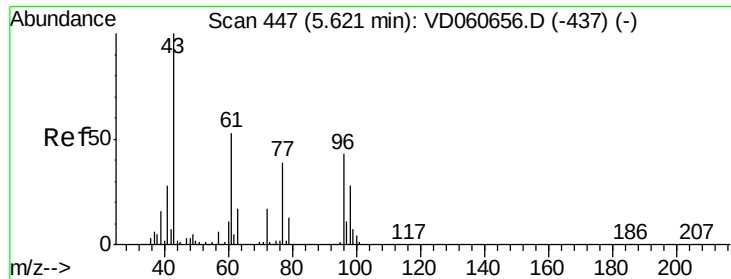


Abundance Ion 62.95 (62.65 to 63.65): VD0

Ion 97.95 (97.65 to 98.65): VD0

Ion 99.95 (99.65 to 100.65): VD0





#25

2-Butanone

Concen: 95.723 ug/l

RT: 5.65 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

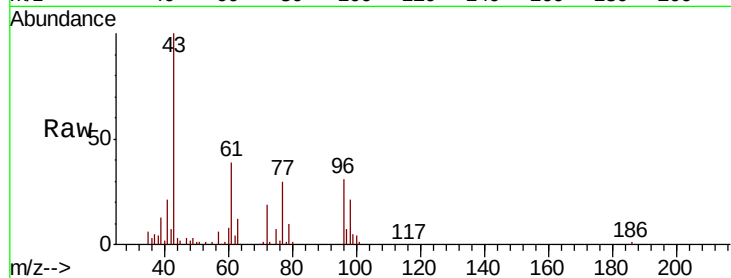
VD1222SBS01

Tot Ion: 43 Resp: 324547

Ion Ratio Lower Upper

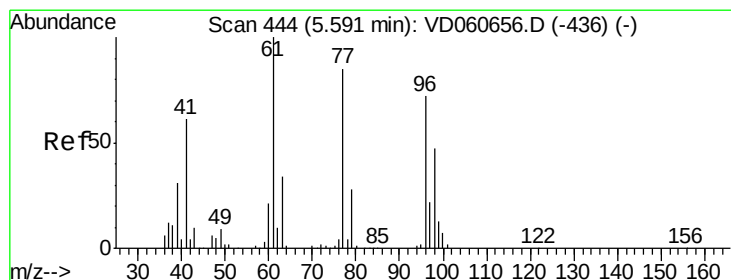
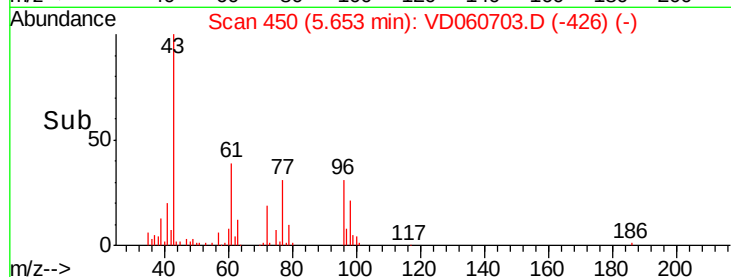
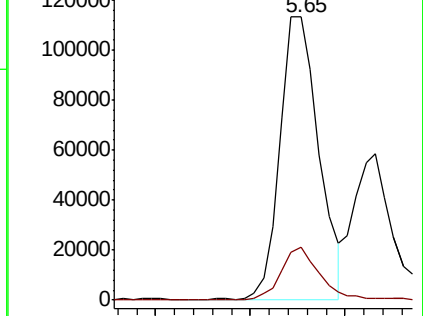
43 100

72 18.8 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.882 ug/l

RT: 5.62 min Scan# 447

Delta R.T. 0.03 min

Lab File: VD060703.D

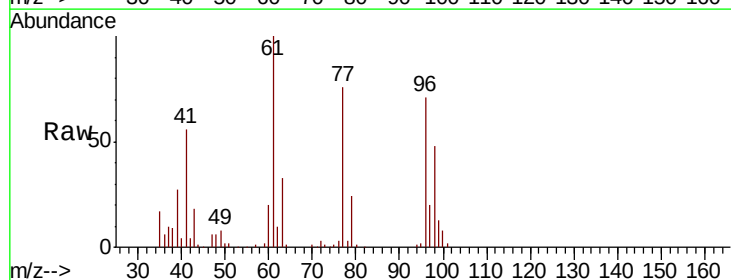
Acq: 22 Dec 2018 12:38

Tgt Ion: 77 Resp: 396877

Ion Ratio Lower Upper

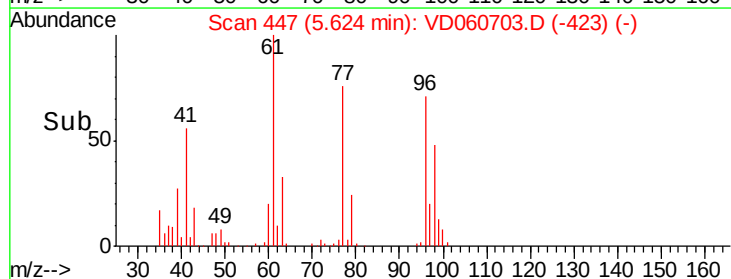
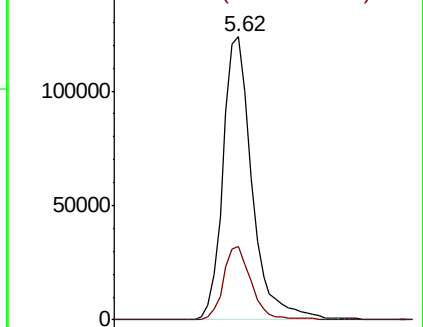
77 100

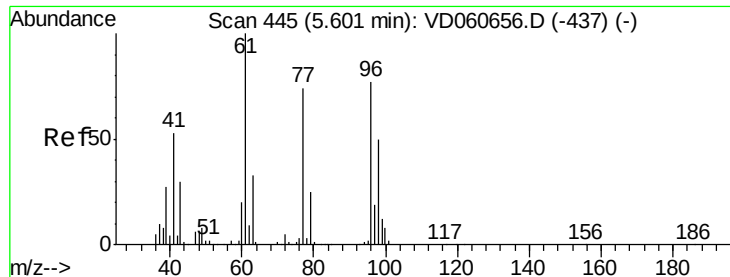
97 26.2 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



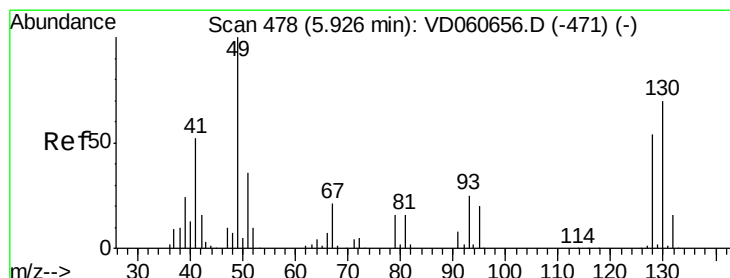
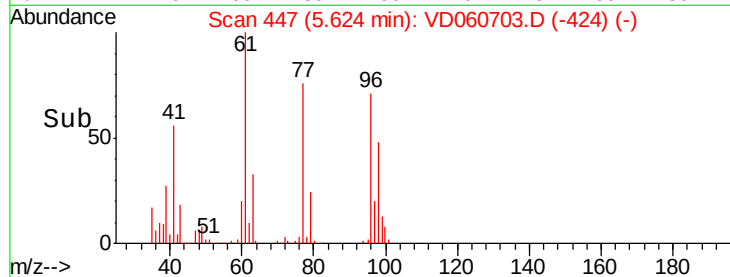
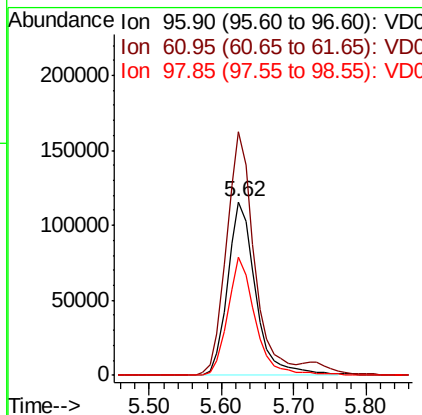
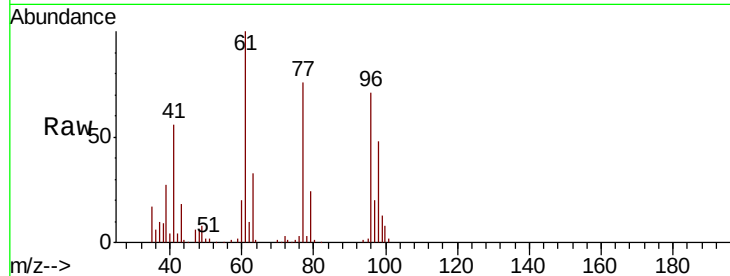


#27

cis-1,2-Dichloroethene
 Concen: 18.483 ug/l
 RT: 5.62 min Scan# 447
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBSD01

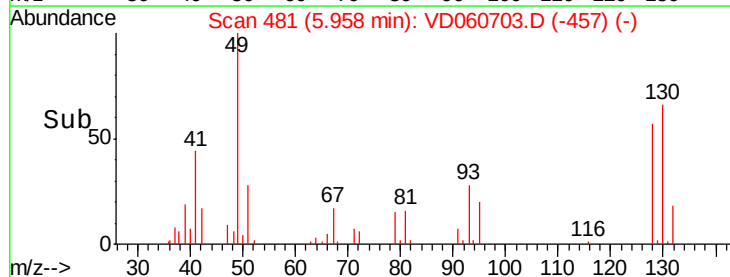
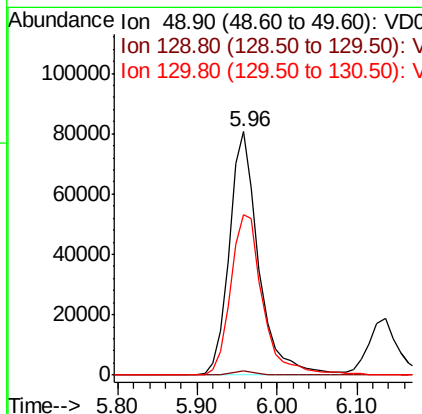
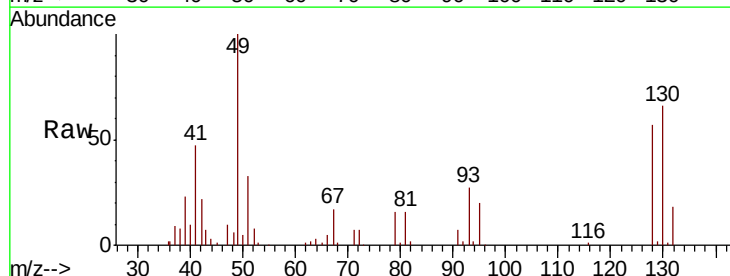
Tot Ion: 96 Resp: 312225
 Ion Ratio Lower Upper
 96 100
 61 140.1 0.0 259.4
 98 67.8 0.0 130.0

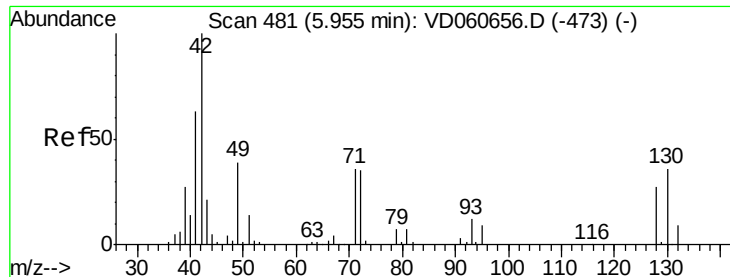


#28

Bromochloromethane
 Concen: 18.471 ug/l
 RT: 5.96 min Scan# 481
 Delta R.T. 0.03 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 49 Resp: 207777
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.4
 130 65.9 56.2 84.2

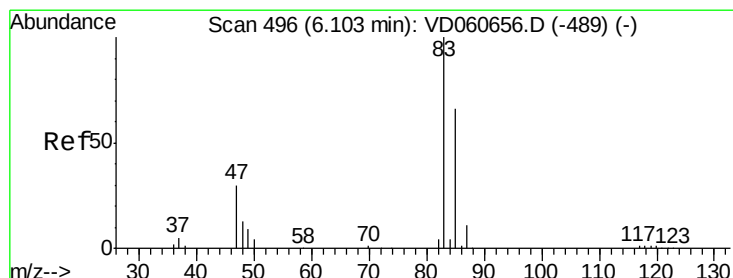
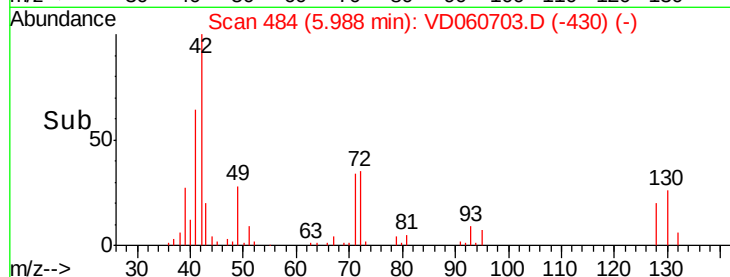
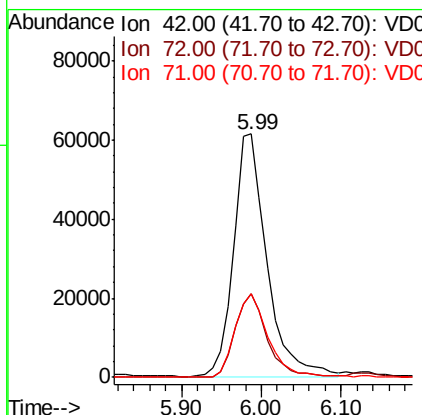
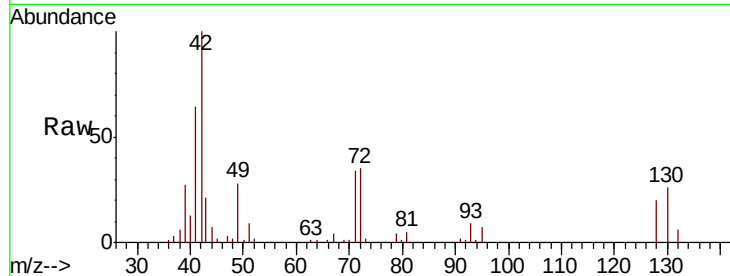




#29
Tetrahydrofuran
Concen: 93.842 ug/l
RT: 5.99 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

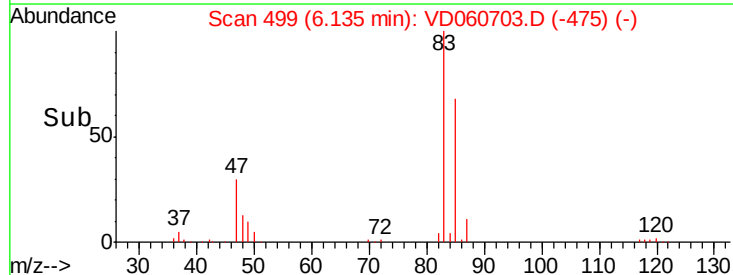
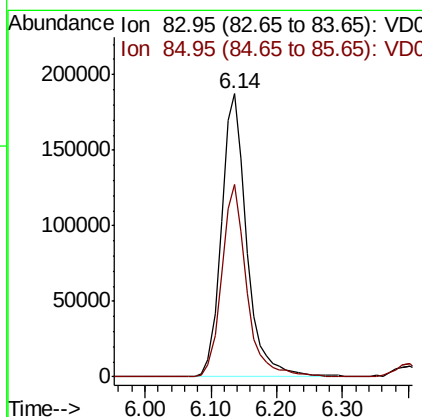
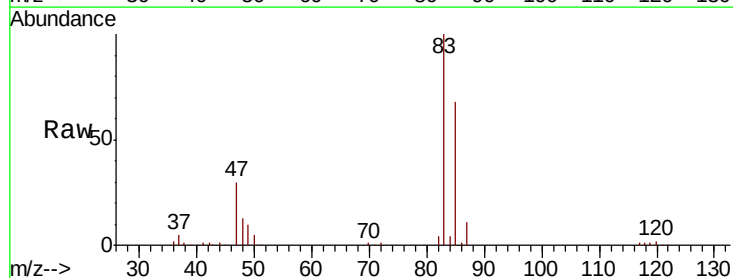
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

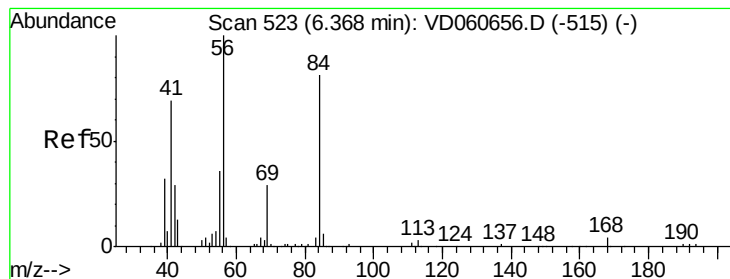
Tot Ion: 42 Resp: 180371
Ion Ratio Lower Upper
42 100
72 33.0 28.0 42.0
71 33.9 27.0 40.6



#30
Chloroform
Concen: 18.781 ug/l
RT: 6.14 min Scan# 499
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 83 Resp: 503223
Ion Ratio Lower Upper
83 100
85 68.1 53.0 79.6





#31

Cyclohexane

Concen: 18.054 ug/l

RT: 6.40 min Scan# 526

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

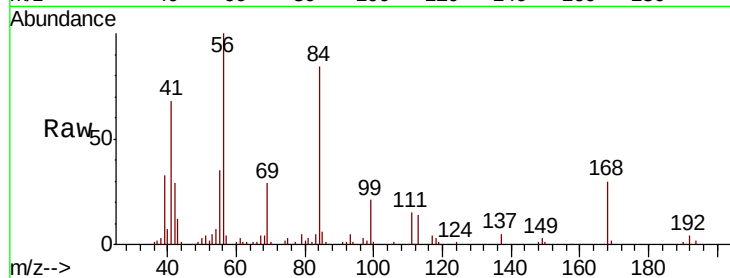
Tot Ion: 56 Resp: 462624

Ion Ratio Lower Upper

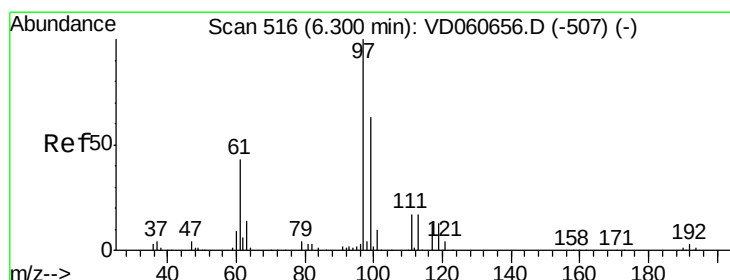
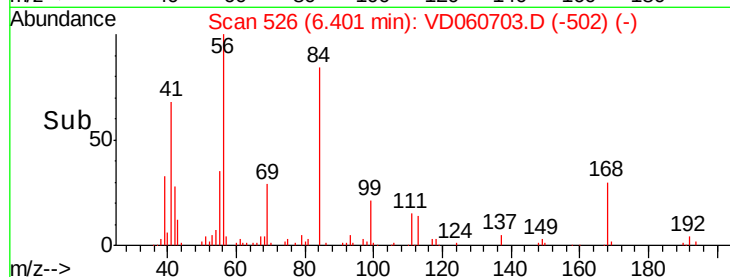
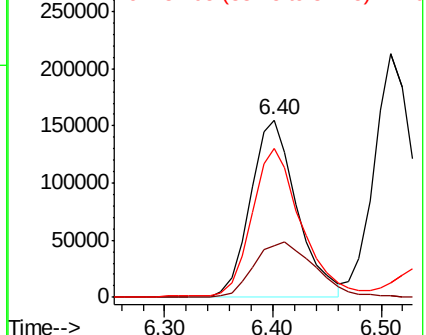
56 100

69 29.0 23.6 35.4

84 83.8 65.8 98.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 18.754 ug/l

RT: 6.32 min Scan# 518

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

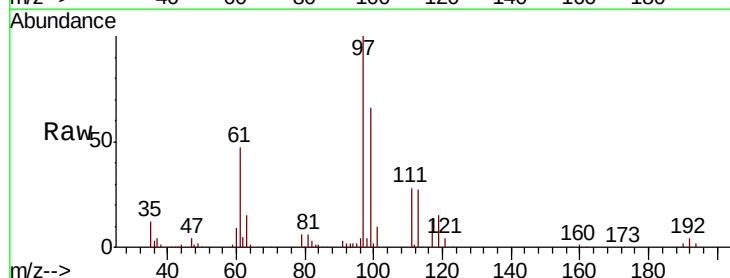
Tgt Ion: 97 Resp: 415736

Ion Ratio Lower Upper

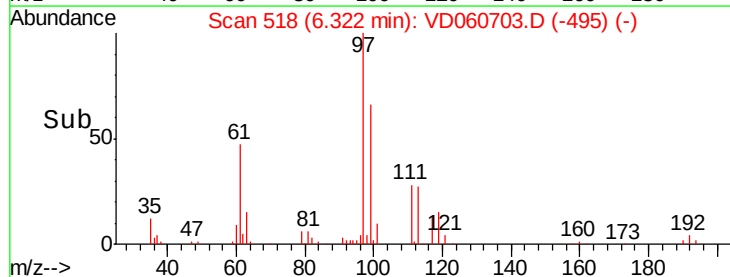
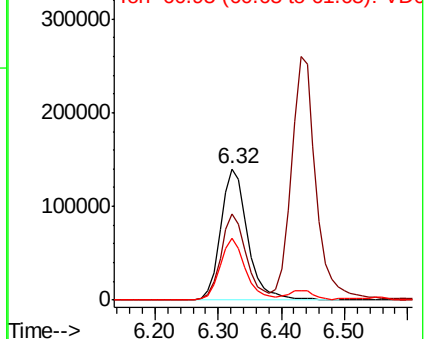
97 100

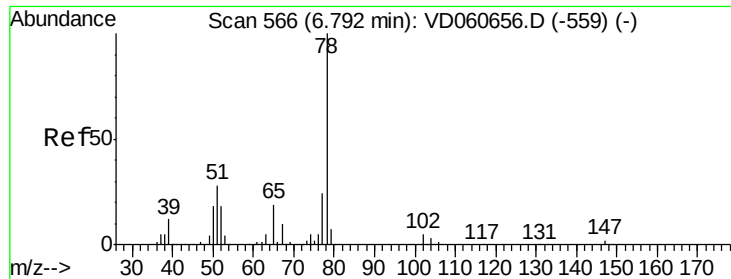
99 65.9 50.5 75.7

61 46.7 34.6 51.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 18.754 ug/l

RT: 6.81 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

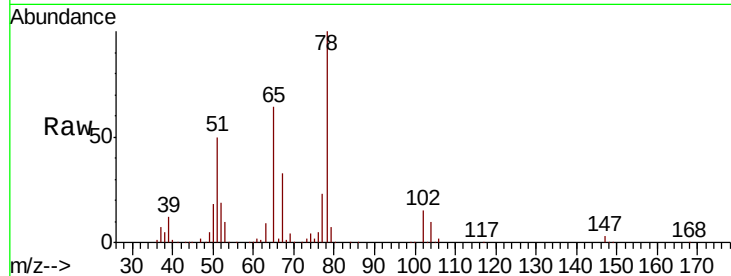
VD1222SBS01

Tot Ion: 65 Resp: 517472

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

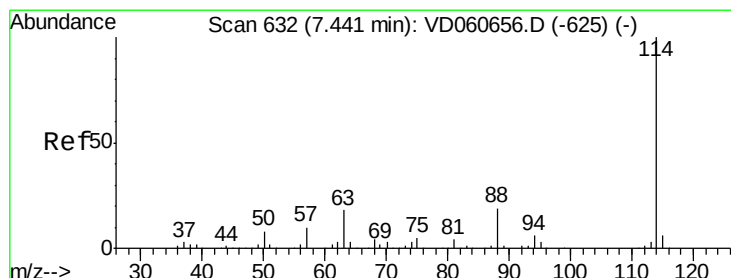
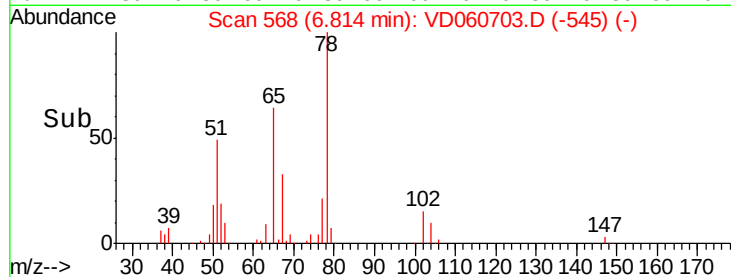
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 635

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

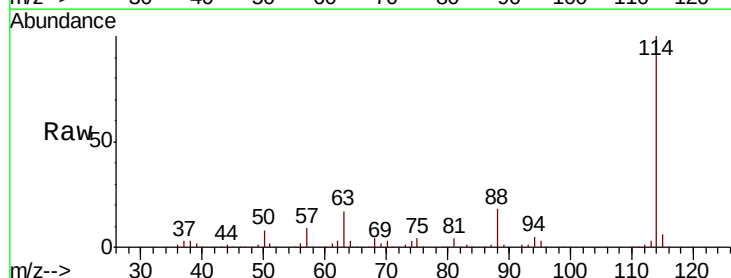
Tgt Ion: 114 Resp: 2051193

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.2

88 18.3 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

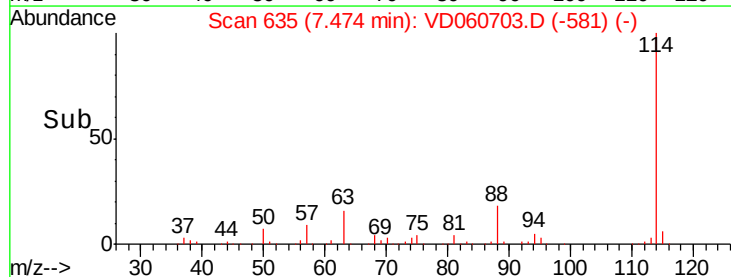
400000

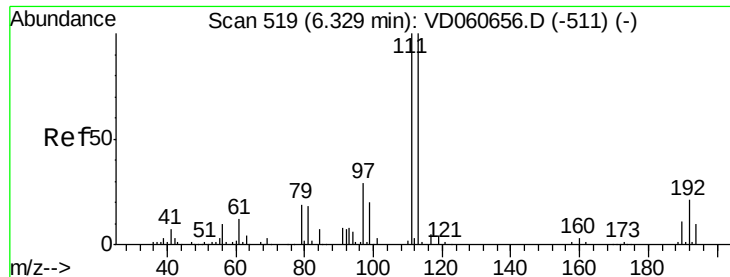
200000

0

7.40 7.60 7.80

Time-->

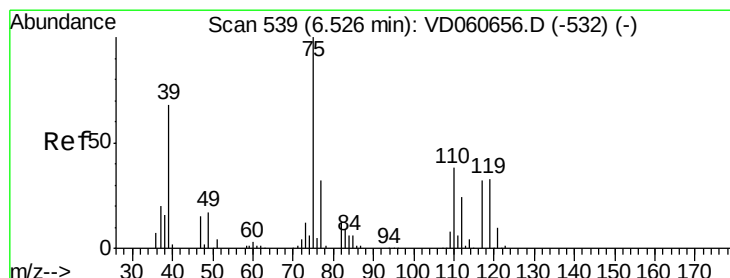
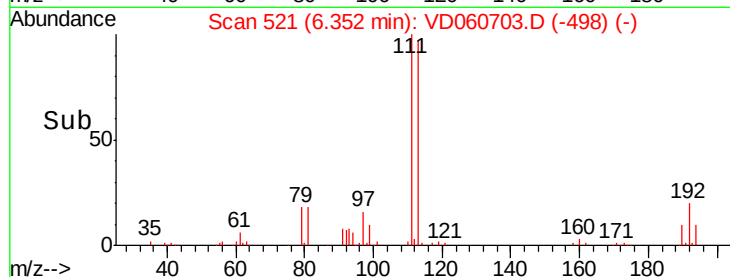
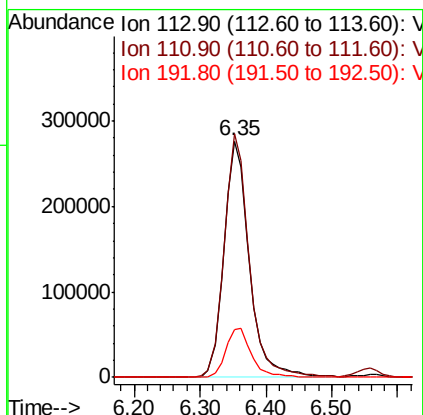
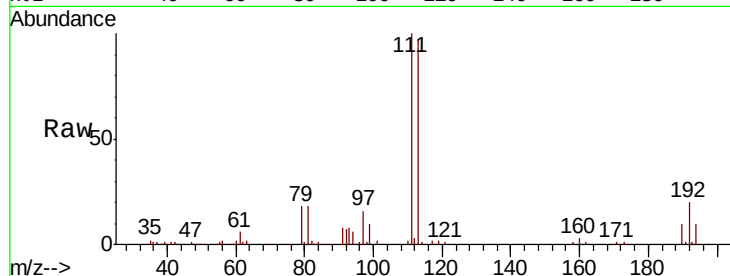




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 521
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

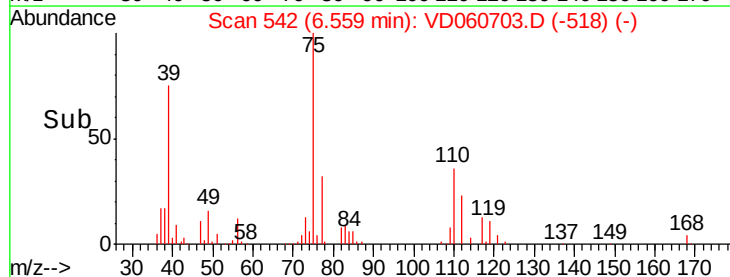
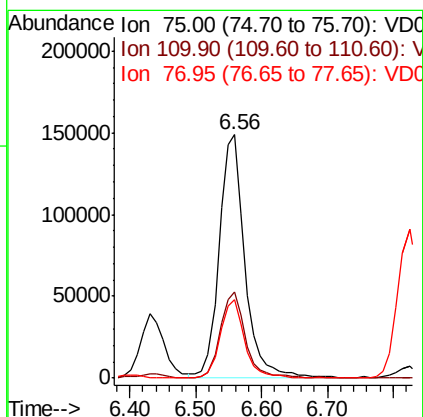
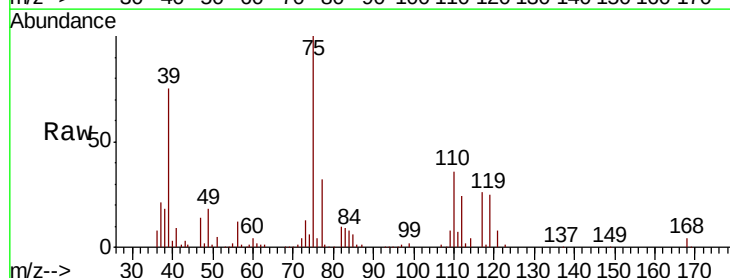
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBSD01

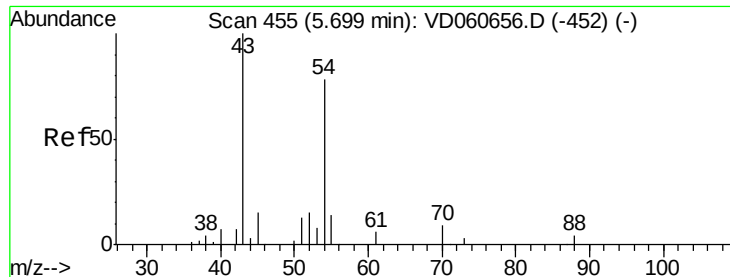
Tot Ion:113 Resp: 747673
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.0 120.0
 192 20.2 16.6 25.0



#36
 1,1-Dichloropropene
 Concen: 18.865 ug/l
 RT: 6.56 min Scan# 542
 Delta R.T. 0.03 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 75 Resp: 398461
 Ion Ratio Lower Upper
 75 100
 110 35.6 18.9 56.7
 77 32.1 25.4 38.0





#37

Ethyl Acetate

Concen: 19.499 ug/l

RT: 5.73 min Scan# 458

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

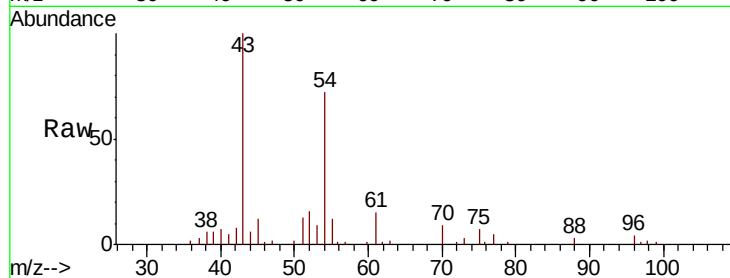
Tot Ion: 43 Resp: 172244

Ion Ratio Lower Upper

43 100

61 15.3 11.8 17.6

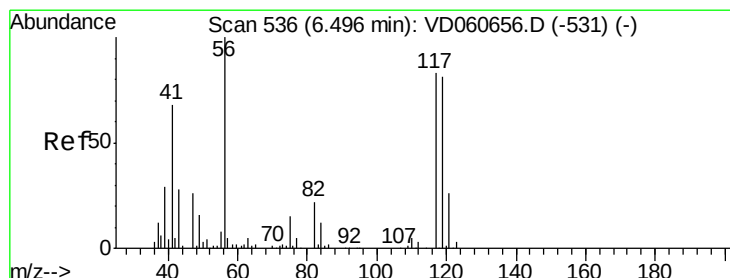
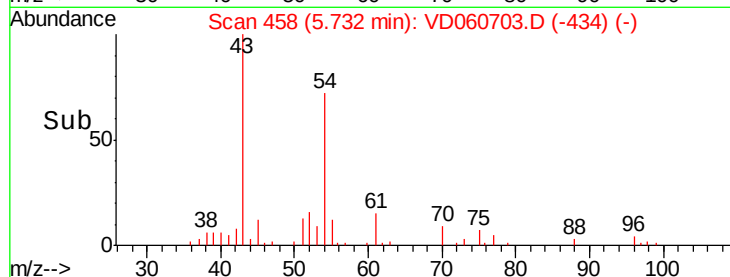
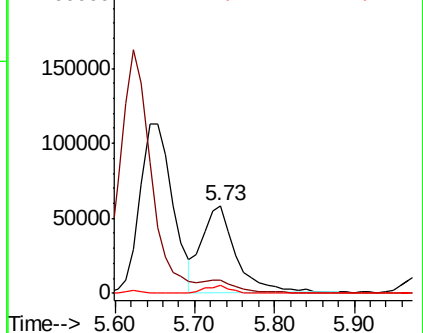
70 8.7 5.8 8.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 18.699 ug/l

RT: 6.53 min Scan# 539

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

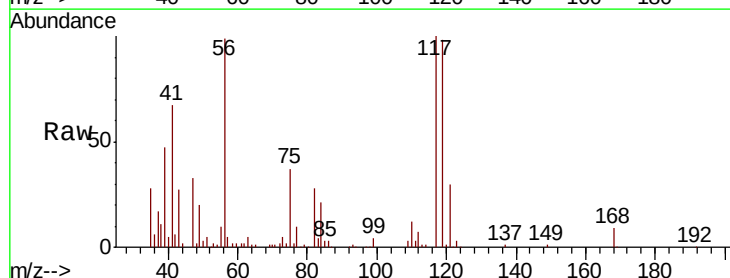
Tgt Ion: 117 Resp: 348430

Ion Ratio Lower Upper

117 100

119 97.8 77.0 115.4

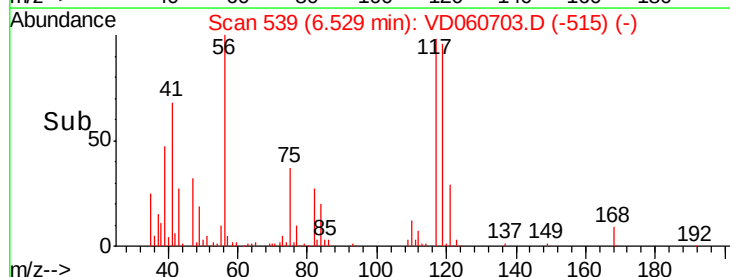
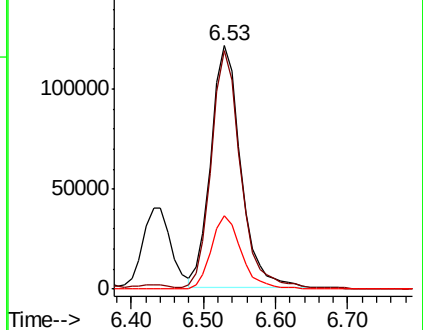
121 30.0 24.7 37.1

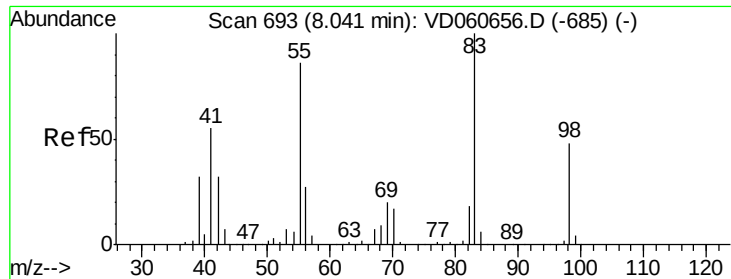


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

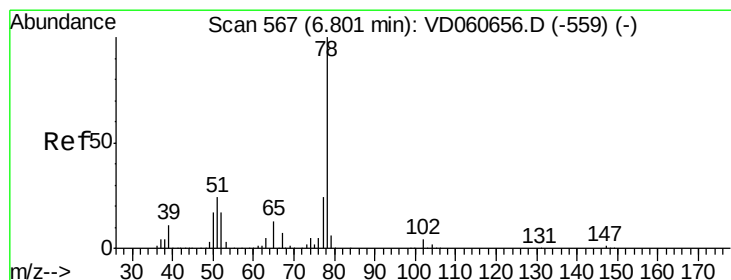
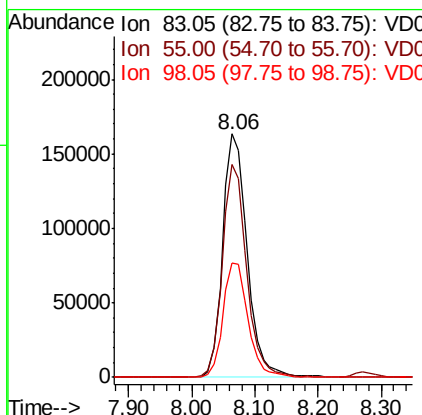
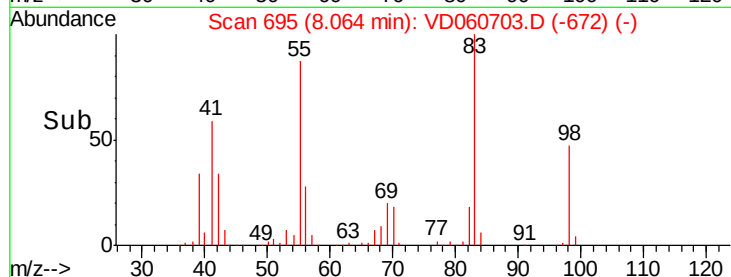
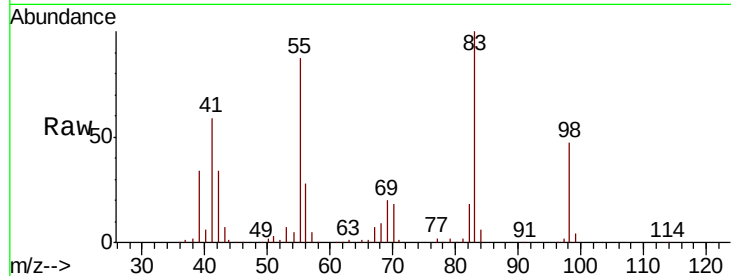




#39
Methylvlcyclohexane
Concen: 18.296 ug/l
RT: 8.06 min Scan# 695
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

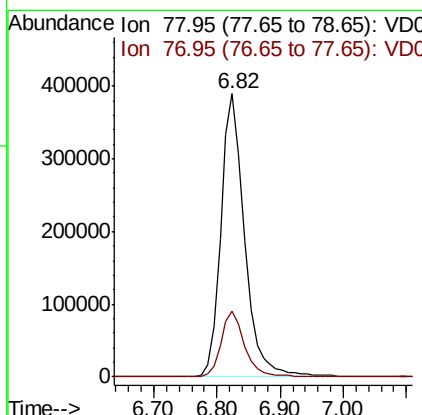
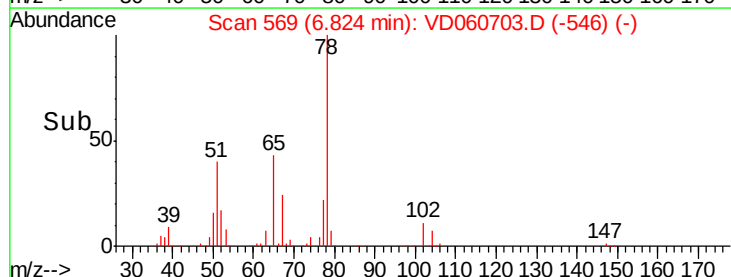
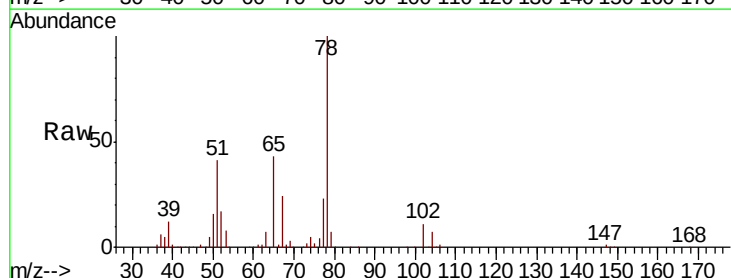
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

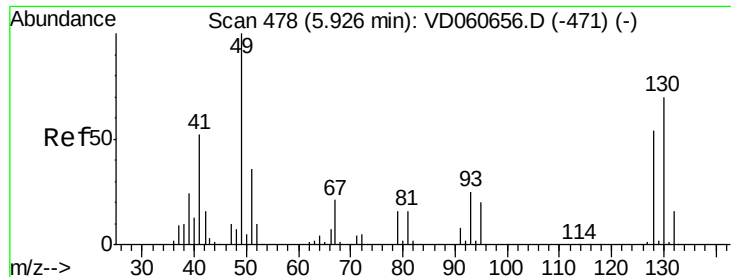
Tot Ion: 83 Resp: 440736
Ion Ratio Lower Upper
83 100
55 87.2 68.6 102.8
98 47.2 38.1 57.1



#40
Benzene
Concen: 18.669 ug/l
RT: 6.82 min Scan# 569
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 78 Resp: 1018544
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8

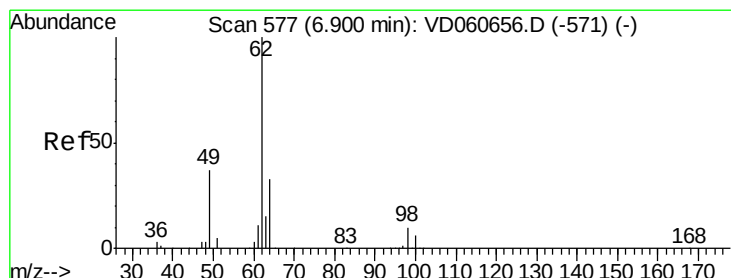
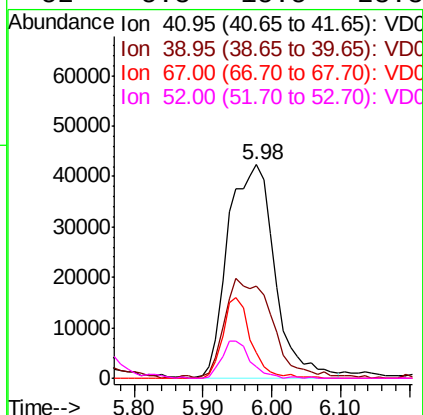
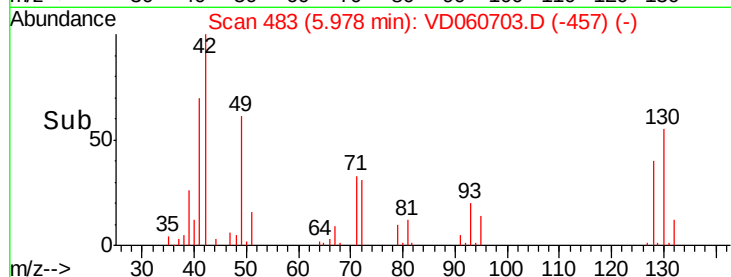
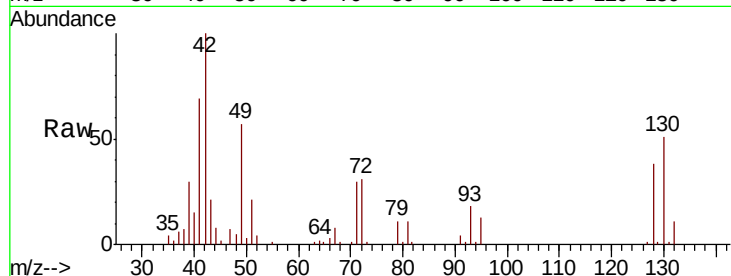




#41
Methacrylonitrile
Concen: 40.902 ug/l
RT: 5.98 min Scan# 483
Delta R.T. 0.05 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

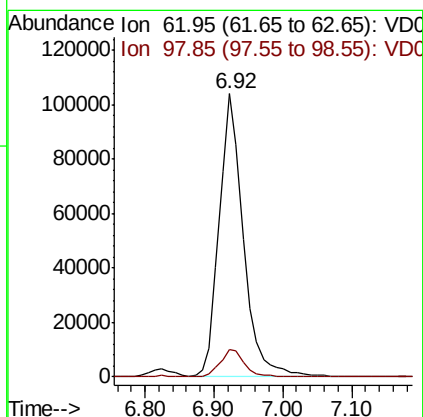
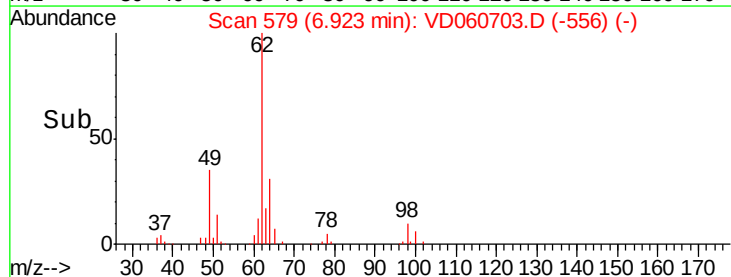
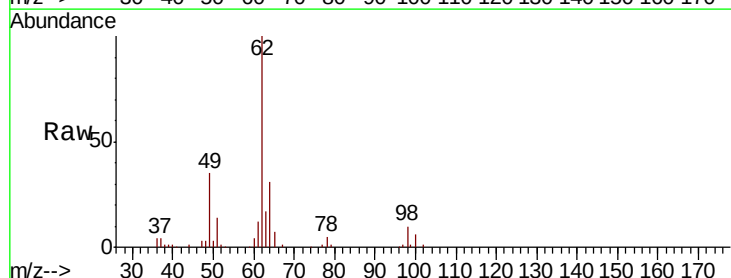
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

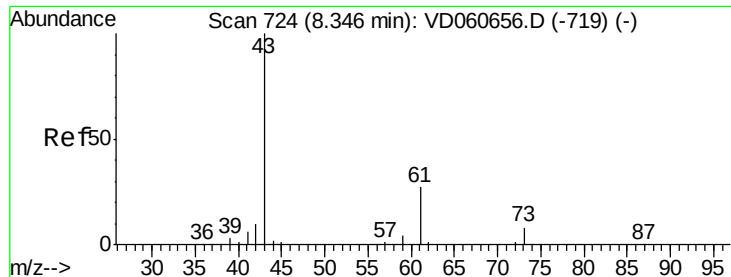
Tot Ion	Ratio	Lower	Upper
41	100		
39	43.0	37.6	56.4
67	11.7	33.0	49.6
52	5.3	15.5	23.3



#42
1,2-Dichloroethane
Concen: 18.597 ug/l
RT: 6.92 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.4





#43

Isopropyl Acetate

Concen: 18.585 ug/l

RT: 8.37 min Scan# 726

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

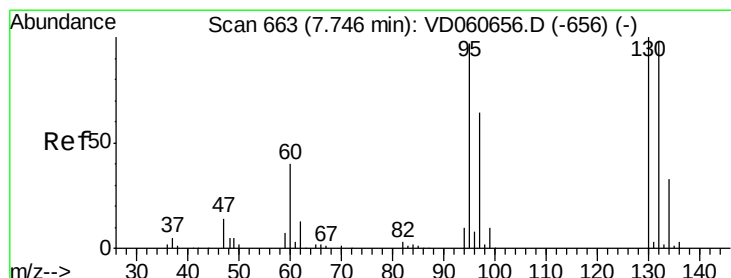
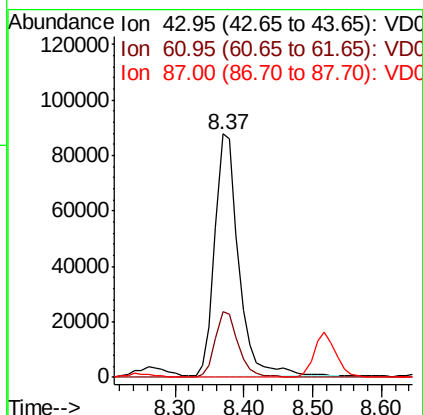
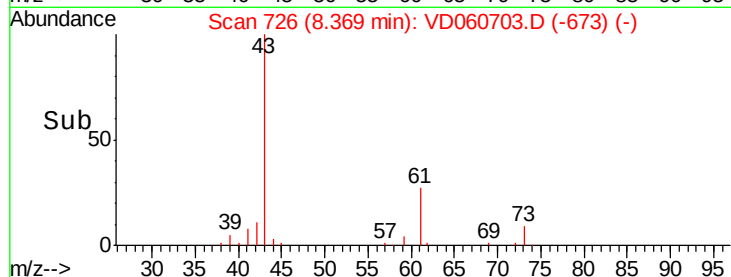
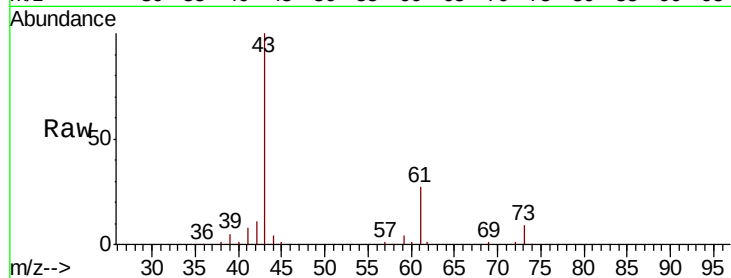
Tot Ion: 43 Resp: 210674

Ion Ratio Lower Upper

43 100

61 27.1 21.8 32.8

87 0.0 0.2 0.4#



#44

Trichloroethene

Concen: 18.570 ug/l

RT: 7.77 min Scan# 665

Delta R.T. 0.02 min

Lab File: VD060703.D

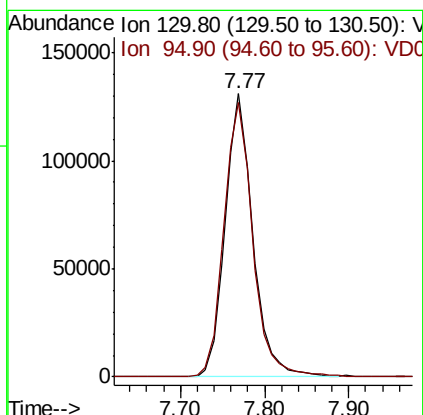
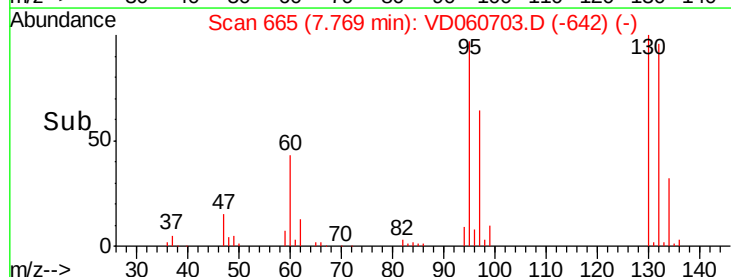
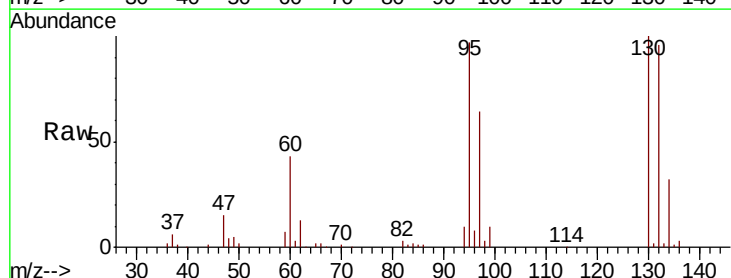
Acq: 22 Dec 2018 12:38

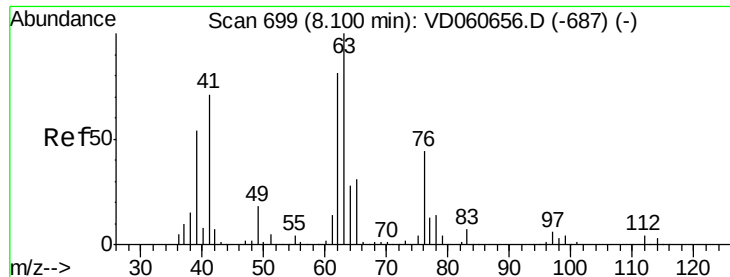
Tgt Ion:130 Resp: 299864

Ion Ratio Lower Upper

130 100

95 97.0 0.0 193.6





#45

1,2-Dichloropropane

Concen: 18.780 ug/l

RT: 8.13 min Scan# 702

Delta R.T. 0.03 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

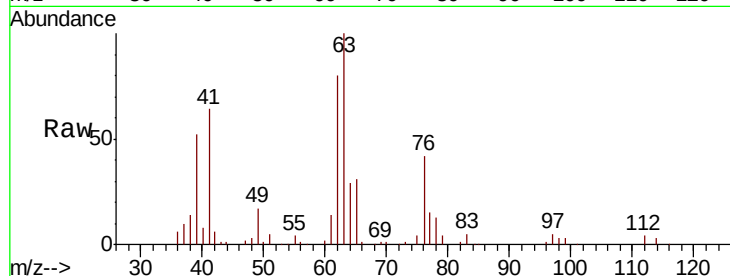
VD1222SBS01

Tot Ion: 63 Resp: 251278

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.13

120000

100000

80000

60000

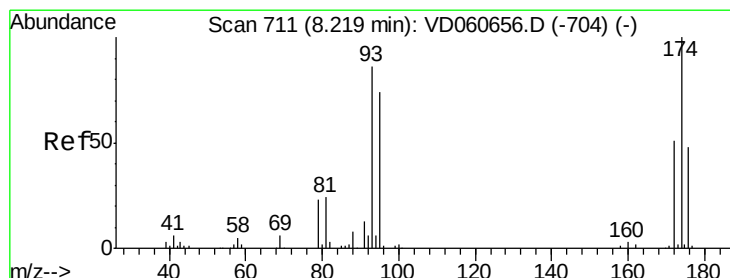
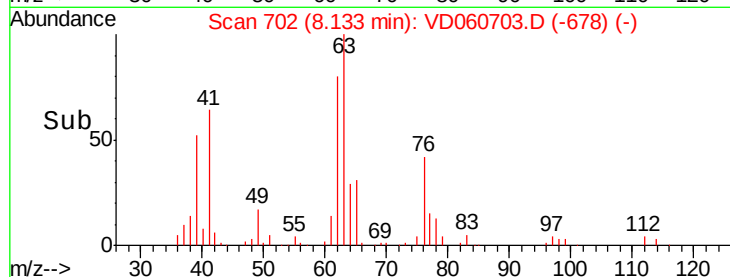
40000

20000

0

Time-->

8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 19.142 ug/l

RT: 8.24 min Scan# 713

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

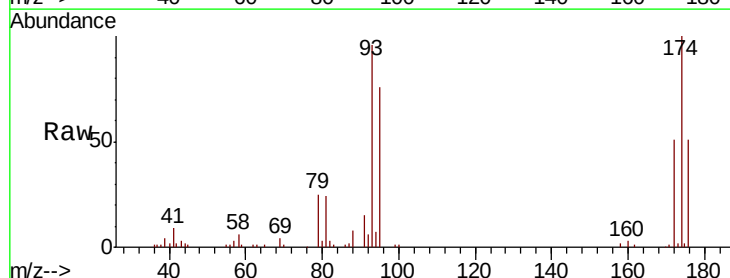
Tgt Ion: 93 Resp: 146173

Ion Ratio Lower Upper

93 100

95 79.7 68.8 103.2

174 104.7 93.0 139.4



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

8.24

80000

60000

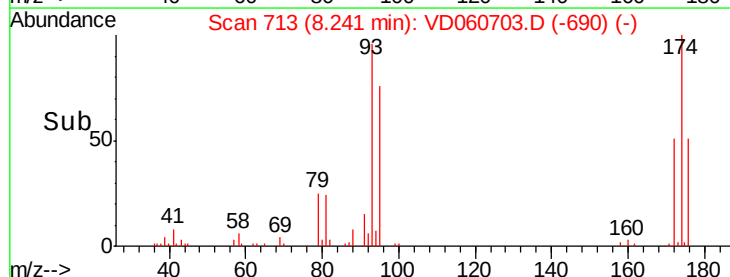
40000

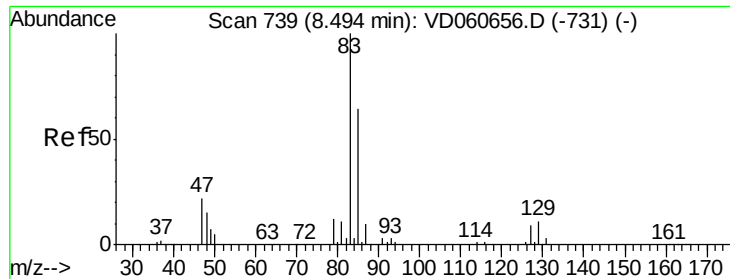
20000

0

Time-->

8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 18.704 ug/l

RT: 8.52 min Scan# 741

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

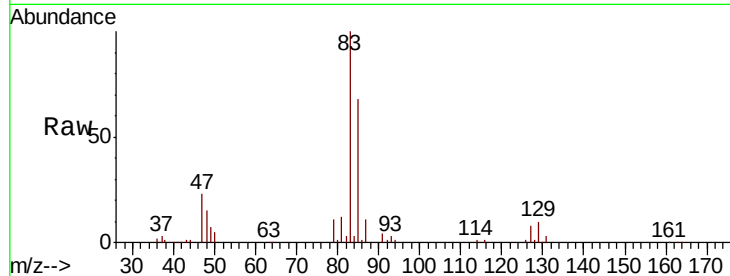
Tot Ion: 83 Resp: 338287

Ion Ratio Lower Upper

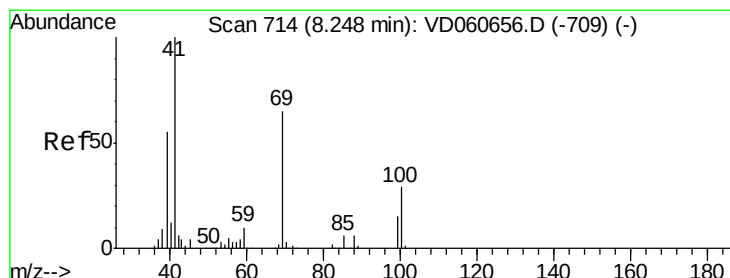
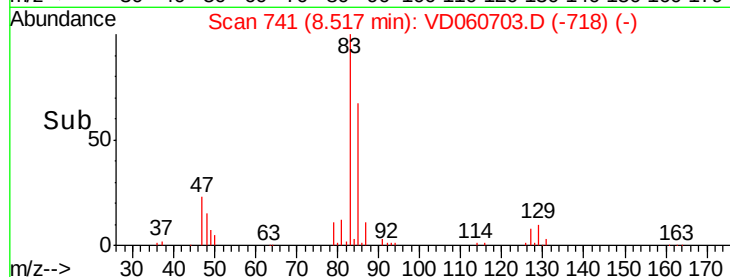
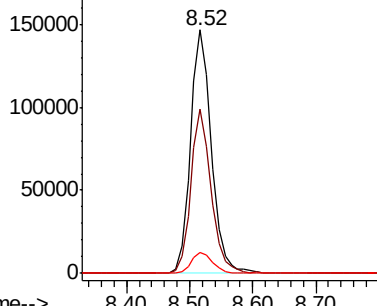
83 100

85 67.5 51.1 76.7

127 8.4 7.0 10.6



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: 18.234 ug/l

RT: 8.27 min Scan# 716

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

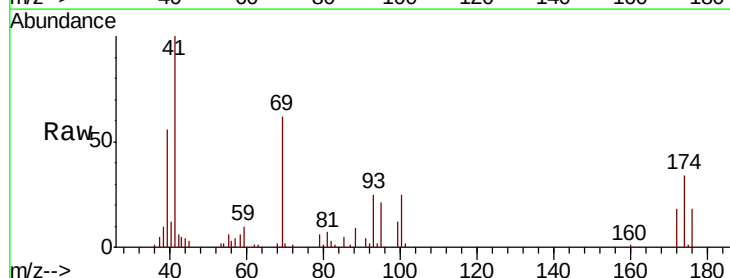
Tgt Ion: 41 Resp: 125544

Ion Ratio Lower Upper

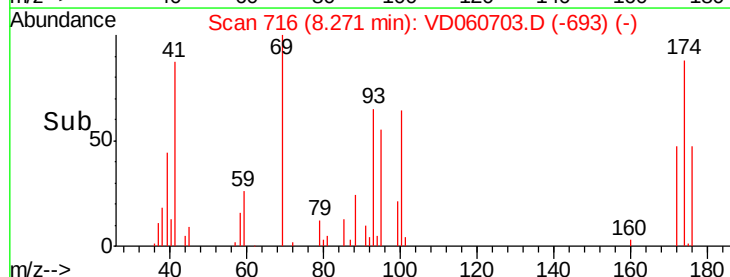
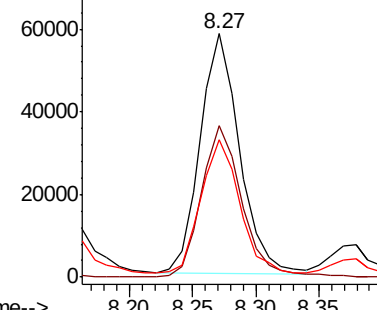
41 100

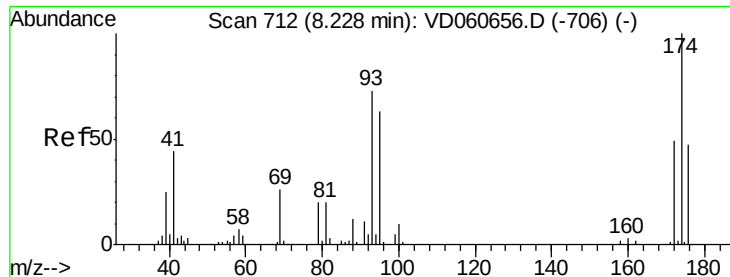
69 62.4 51.2 76.8

39 56.4 44.6 67.0



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

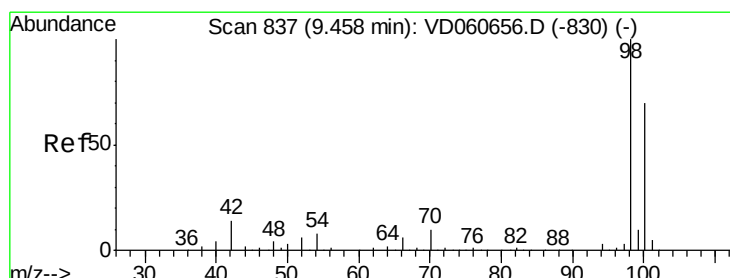
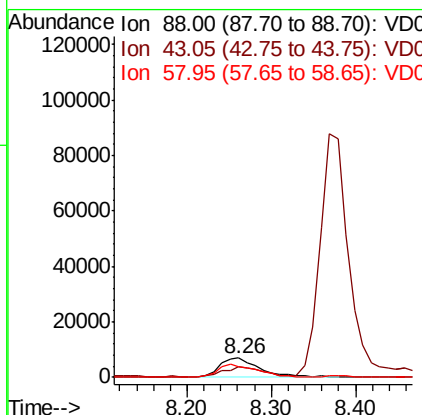
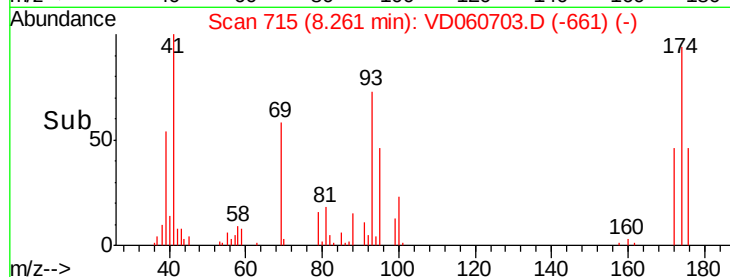
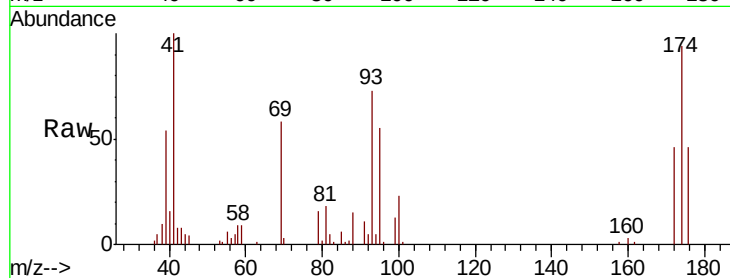




#49
1,4-Dioxane
Concen: 362.232 ug/l
RT: 8.26 min Scan# 715
Delta R.T. 0.03 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

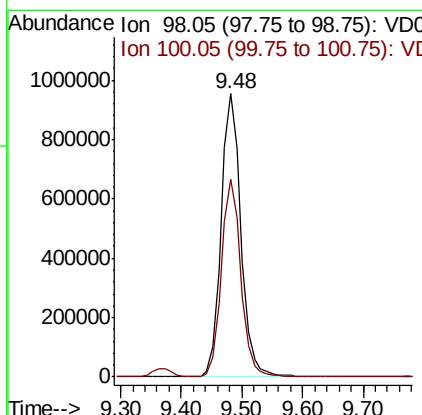
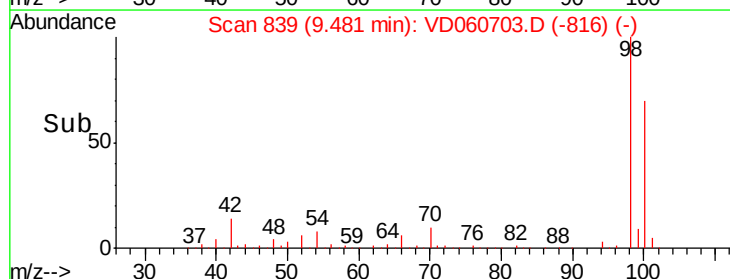
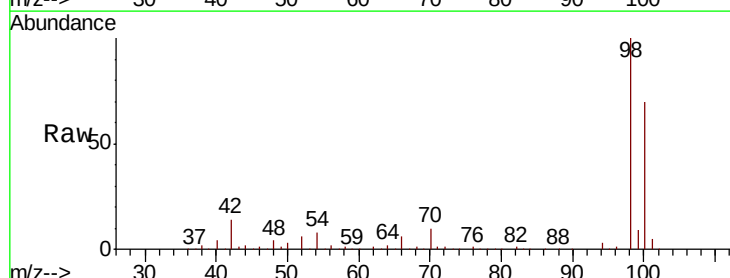
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

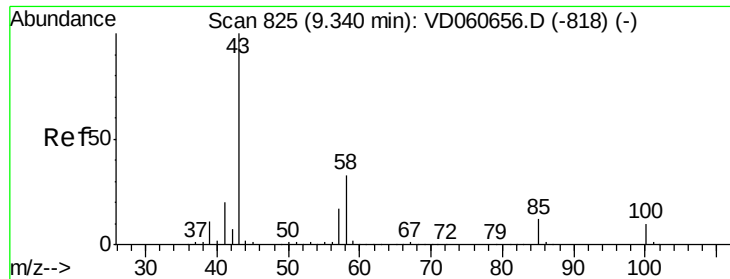
Tot Ion: 88 Resp: 23189
Ion Ratio Lower Upper
88 100
43 52.8 31.5 47.3#
58 57.8 50.6 76.0



#50
Toluene-d8
Concen: 362.232 ug/l
RT: 9.48 min Scan# 839
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 98 Resp: 2159388
Ion Ratio Lower Upper
98 100
100 69.8 55.8 83.8





#51

4-Methyl-2-Pentanone

Concen: 93.738 ug/l

RT: 9.36 min Scan# 827

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

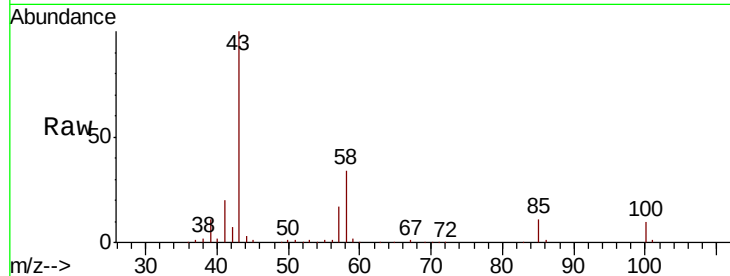
VD1222SBS01

Tot Ion: 43 Resp: 651038

Ion Ratio Lower Upper

43 100

58 33.7 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.36

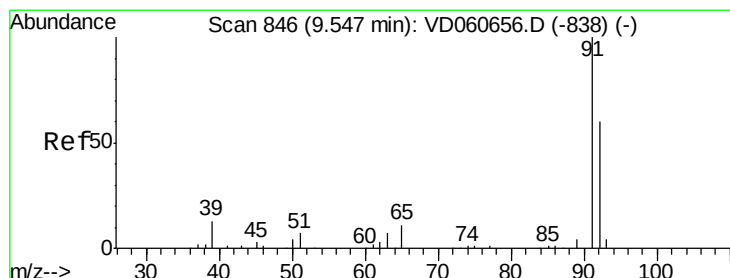
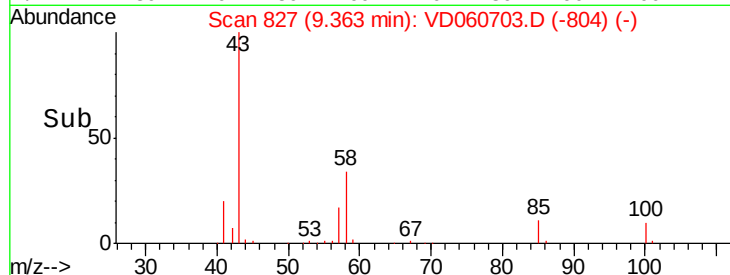
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.309 ug/l

RT: 9.57 min Scan# 848

Delta R.T. 0.02 min

Lab File: VD060703.D

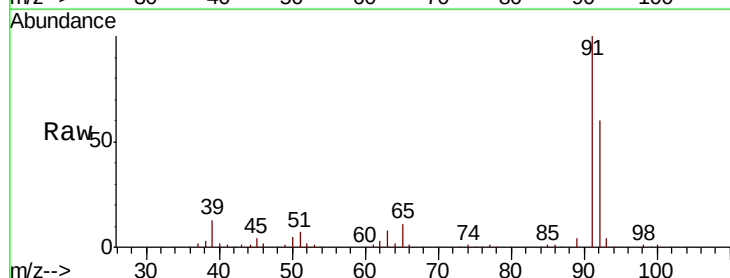
Acq: 22 Dec 2018 12:38

Tgt Ion: 92 Resp: 626204

Ion Ratio Lower Upper

92 100

91 167.5 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

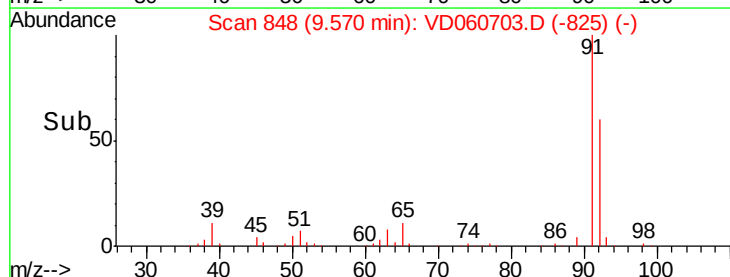
300000

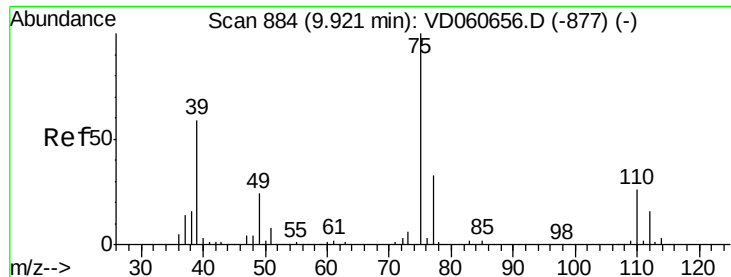
200000

100000

0

Time-->

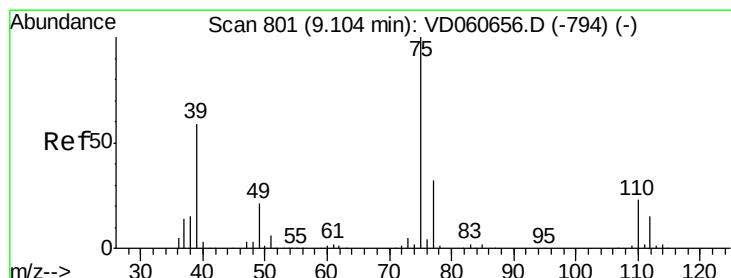
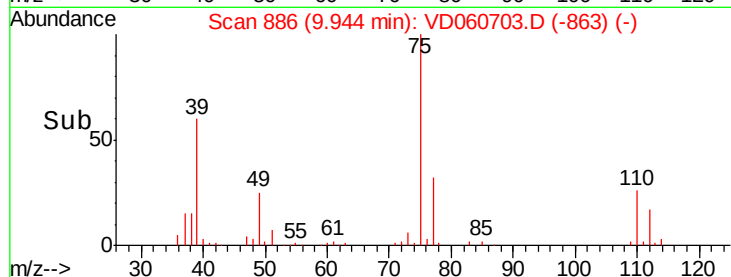
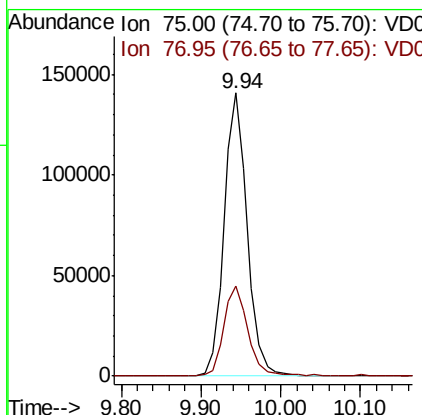
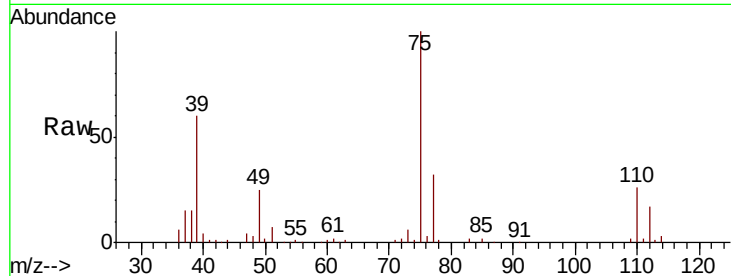




#53
 t-1,3-Dichloropropene
 Concen: 18.931 ug/l
 RT: 9.94 min Scan# 886
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

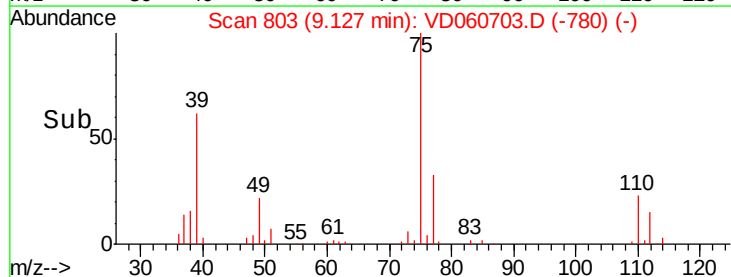
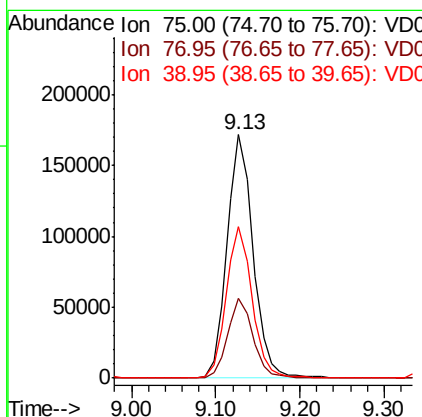
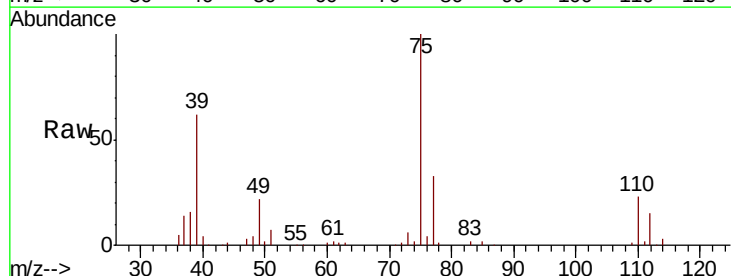
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

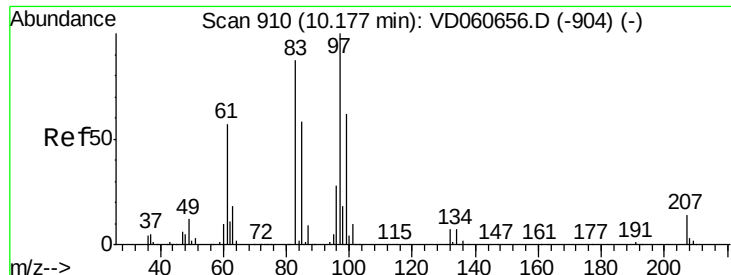
Tot Ion: 75 Resp: 285654
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 18.698 ug/l
 RT: 9.13 min Scan# 803
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 75 Resp: 369284
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.2
 39 62.3 47.0 70.4

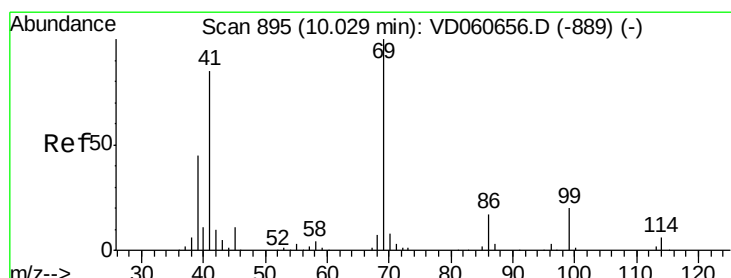
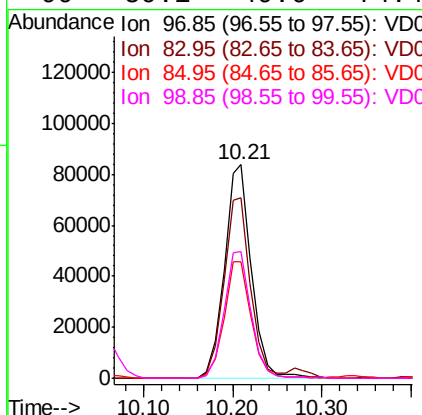
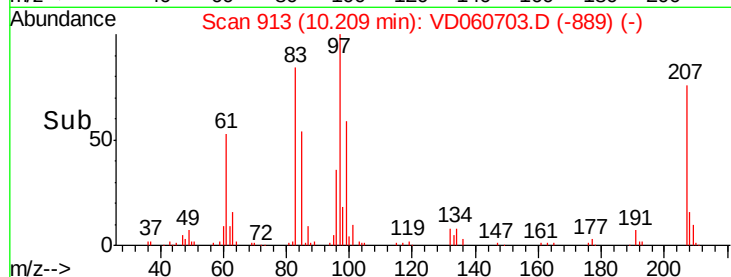
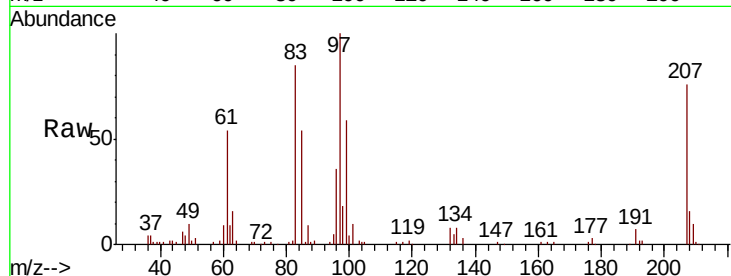




#55
 1,1,2-Trichloroethane
 Concen: 19.318 ug/l
 RT: 10.21 min Scan# 913
 Delta R.T. 0.03 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

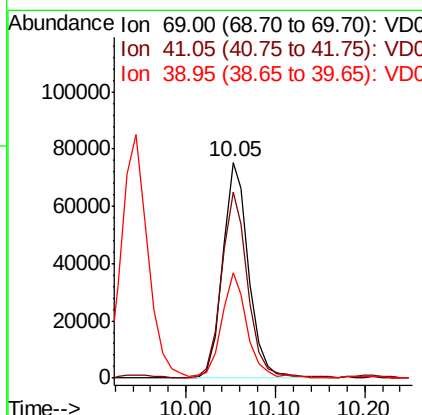
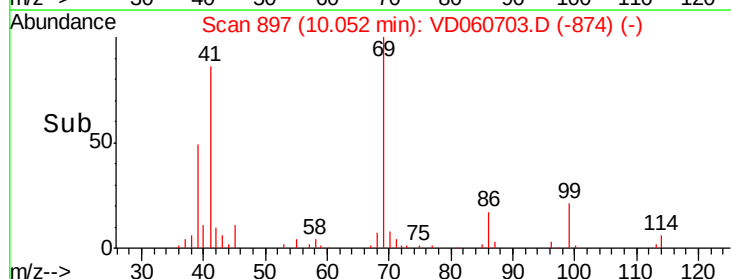
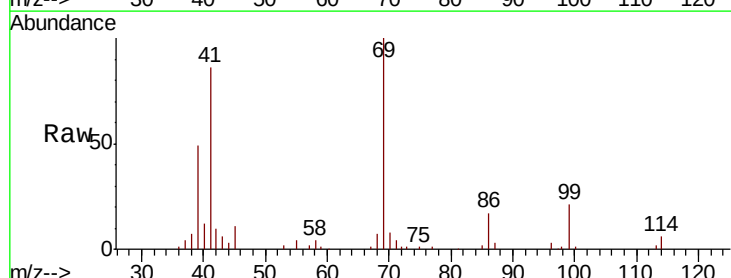
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

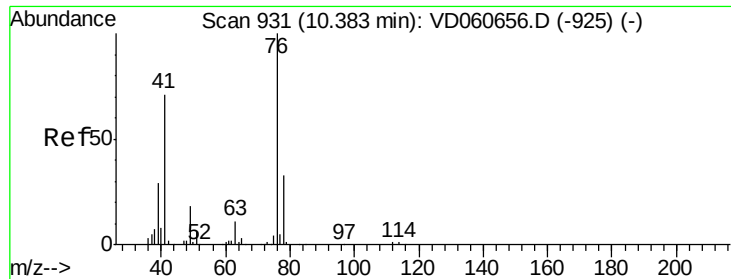
Tot Ion: 97 Resp: 177769
 Ion Ratio Lower Upper
 97 100
 83 84.8 70.0 105.0
 85 54.4 46.6 70.0
 99 59.1 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 17.947 ug/l
 RT: 10.05 min Scan# 897
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 69 Resp: 153402
 Ion Ratio Lower Upper
 69 100
 41 86.0 68.3 102.5
 39 49.0 37.2 55.8

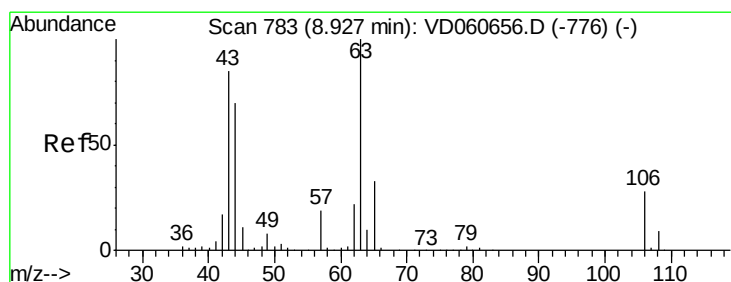
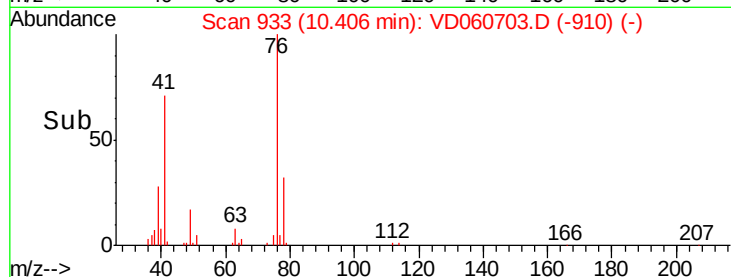
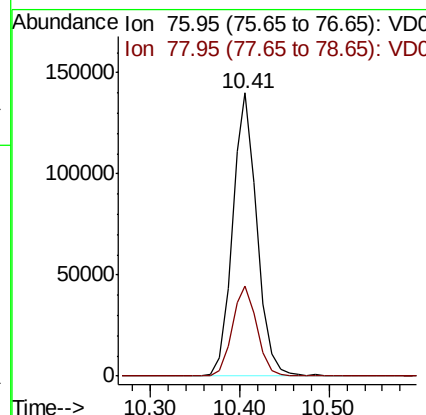
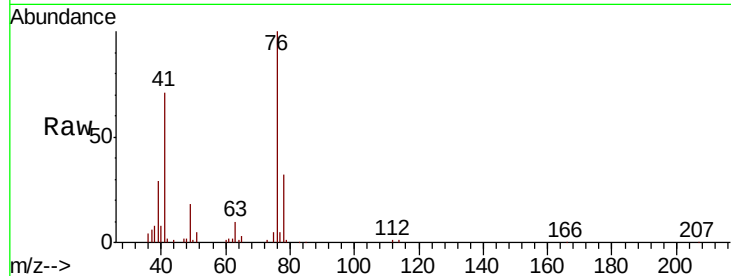




#57
 1,3-Dichloropropane
 Concen: 18.377 ug/l
 RT: 10.41 min Scan# 933
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

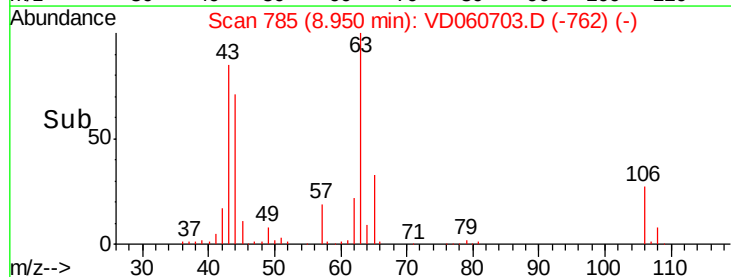
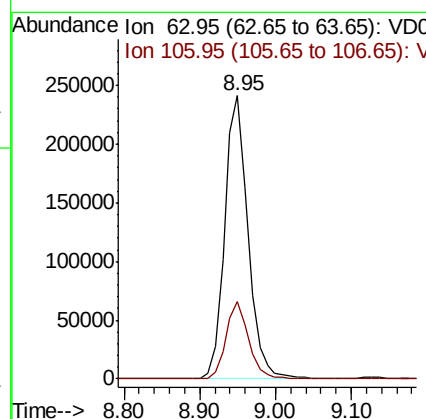
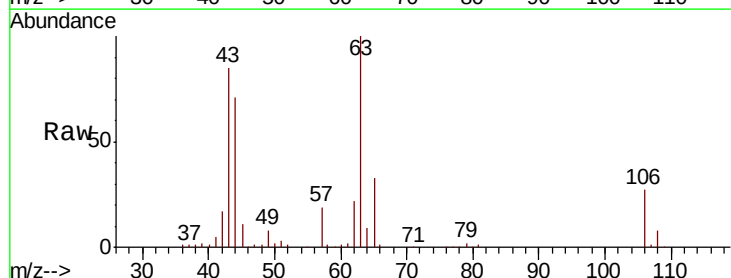
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBSD01

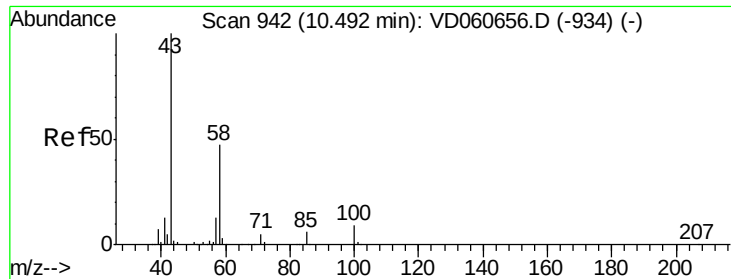
Tot Ion: 76 Resp: 268061
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.396 ug/l
 RT: 8.95 min Scan# 785
 Delta R.T. 0.02 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 63 Resp: 515707
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.4 33.6

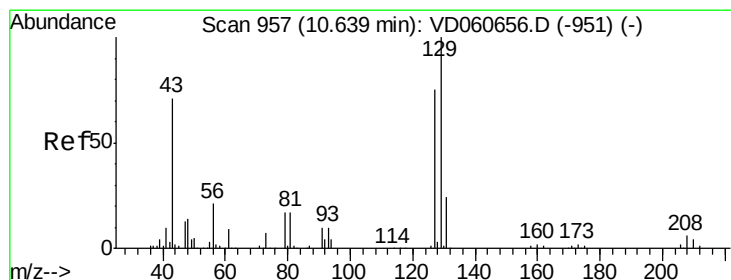
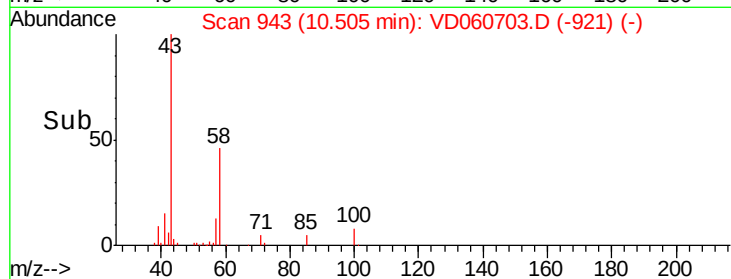
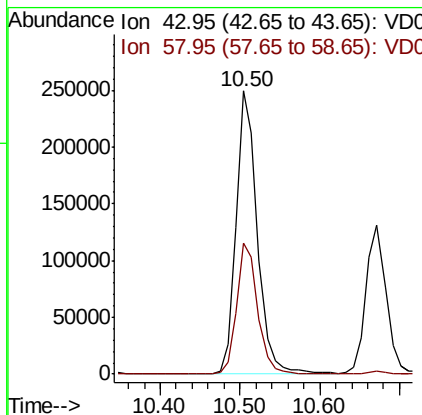
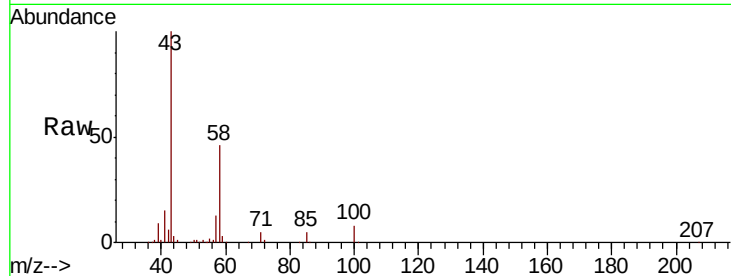




#59
2-Hexanone
Concen: 95.334 ug/l
RT: 10.50 min Scan# 943
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

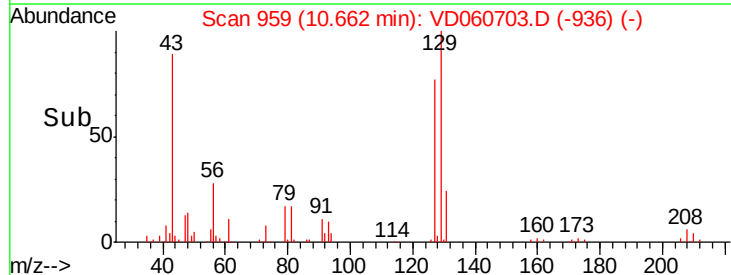
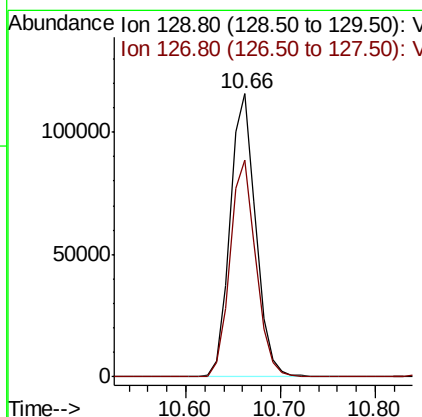
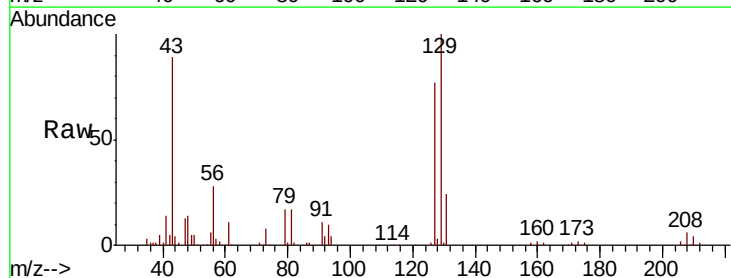
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

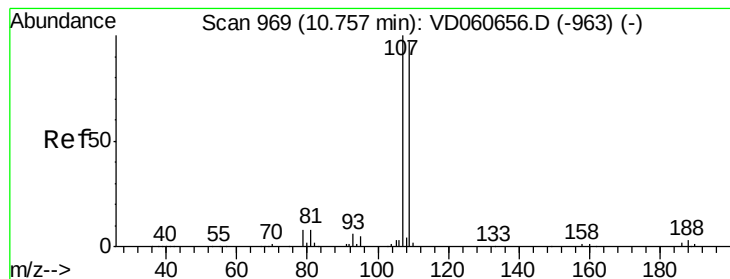
Tot Ion: 43 Resp: 463459
Ion Ratio Lower Upper
43 100
58 46.2 23.5 70.5



#60
Dibromochloromethane
Concen: 18.512 ug/l
RT: 10.66 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 129 Resp: 216998
Ion Ratio Lower Upper
129 100
127 76.6 37.6 112.9





#61

1,2-Dibromoethane

Concen: 18.895 ug/l

RT: 10.78 min Scan# 971

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

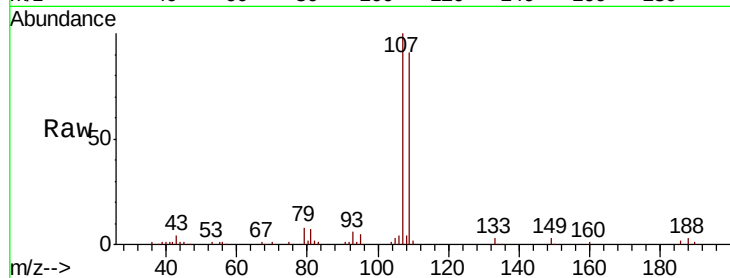
VD1222SBSD01

Tot Ion:107 Resp: 180356

Ion Ratio Lower Upper

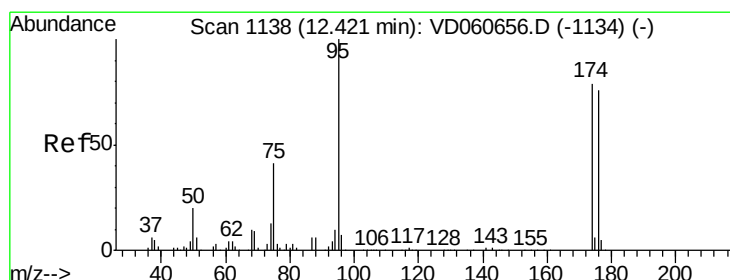
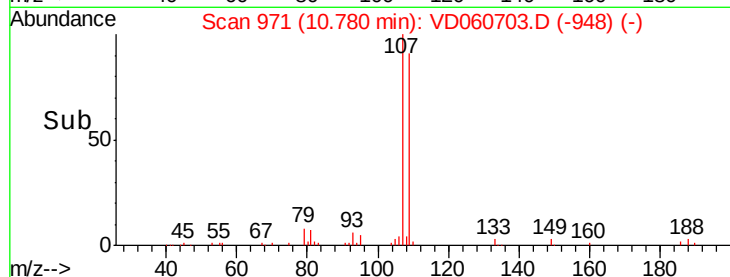
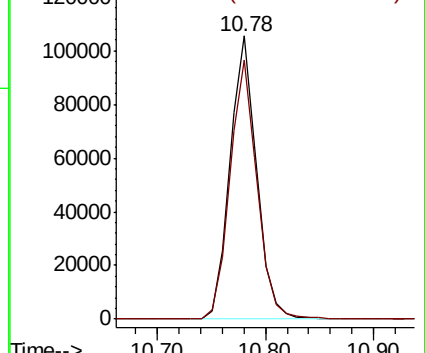
107 100

109 91.3 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 18.895 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

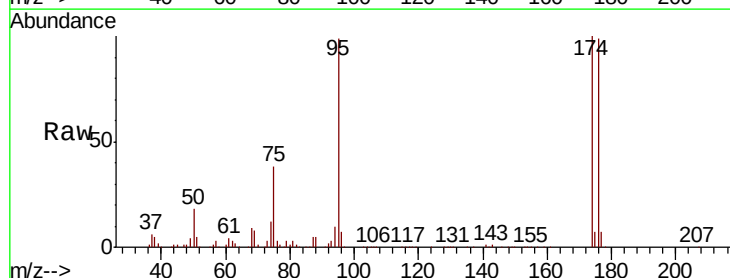
Tgt Ion: 95 Resp: 785088

Ion Ratio Lower Upper

95 100

174 101.2 0.0 158.2

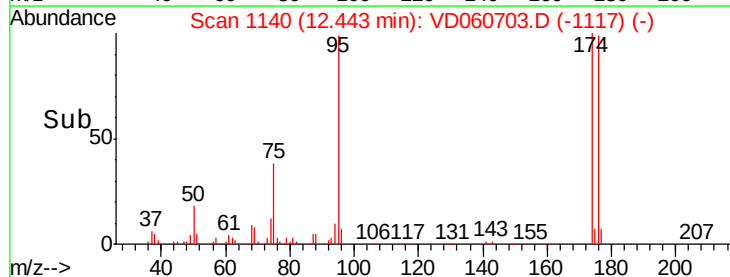
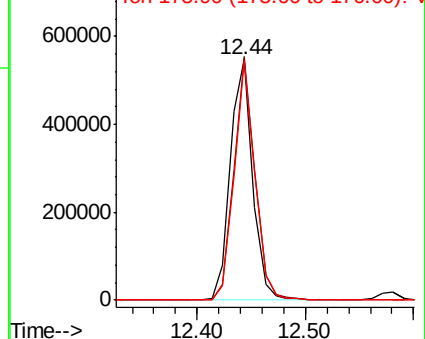
176 99.7 0.0 152.4

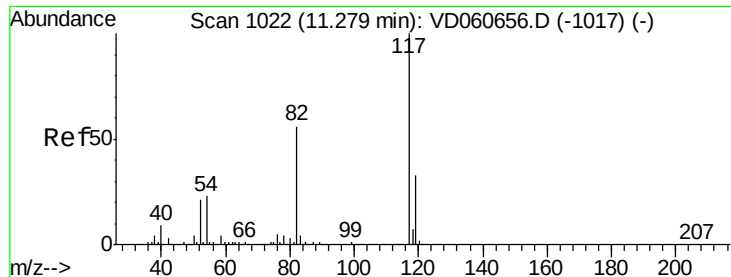


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

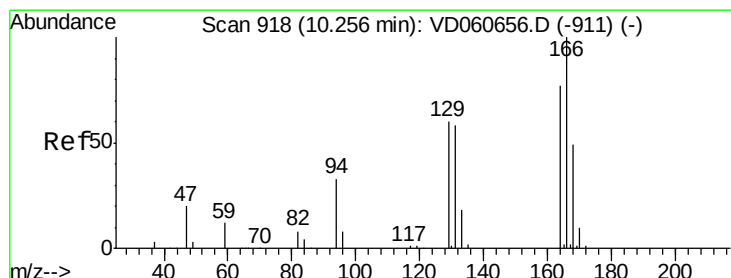
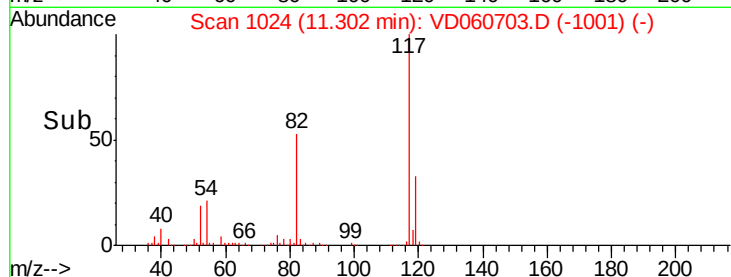
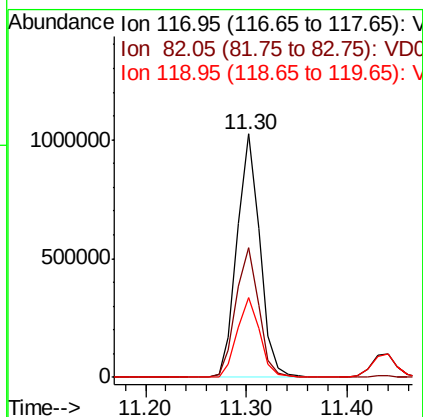
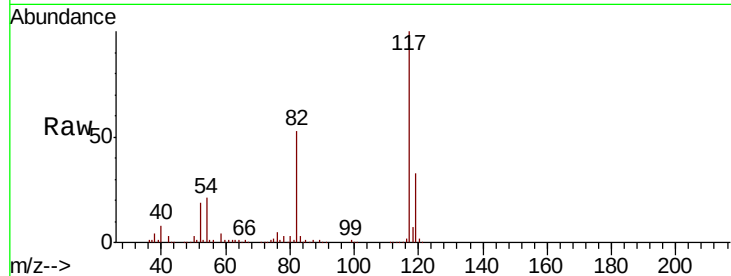




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

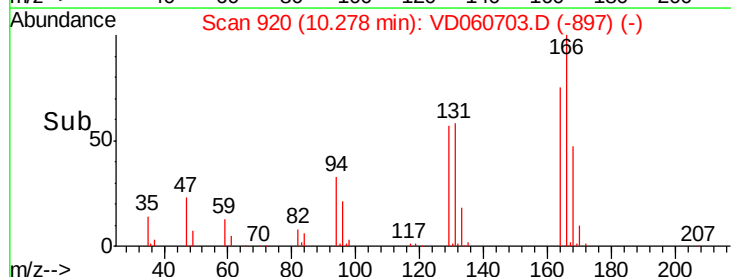
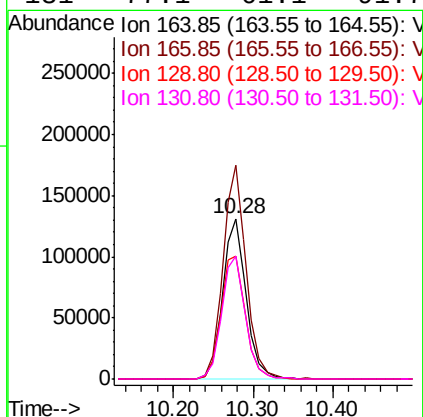
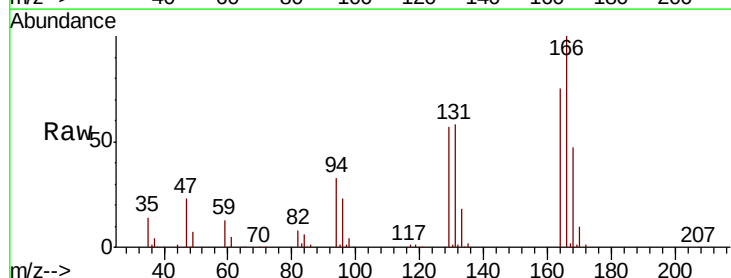
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

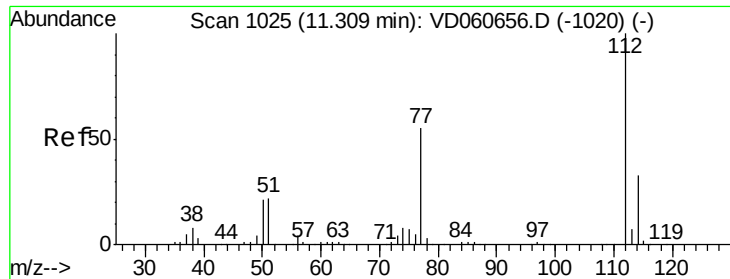
Tot Ion:117 Resp: 1612407
Ion Ratio Lower Upper
117 100
82 53.5 44.5 66.7
119 32.9 26.3 39.5



#64
Tetrachloroethene
Concen: 18.463 ug/l
RT: 10.28 min Scan# 920
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion:164 Resp: 269817
Ion Ratio Lower Upper
164 100
166 133.4 104.4 156.6
129 76.4 62.7 94.1
131 77.1 61.1 91.7

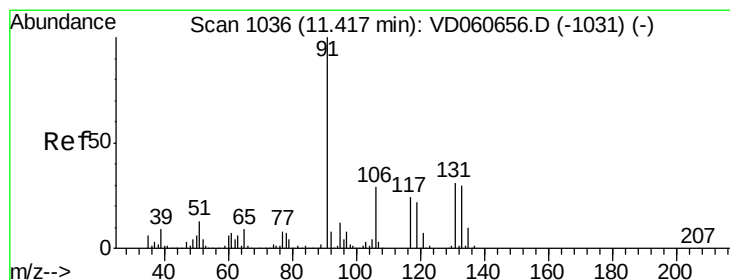
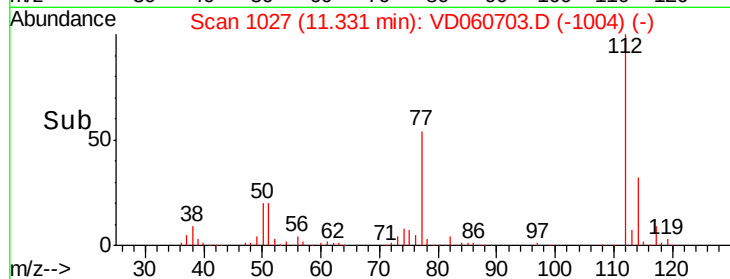
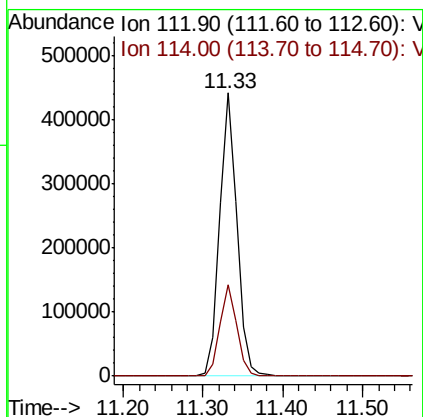
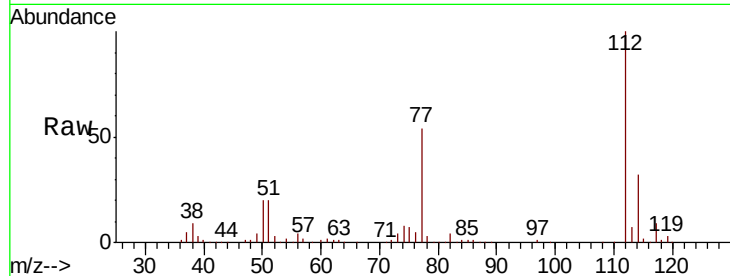




#65
Chlorobenzene
Concen: 19.144 ug/l
RT: 11.33 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

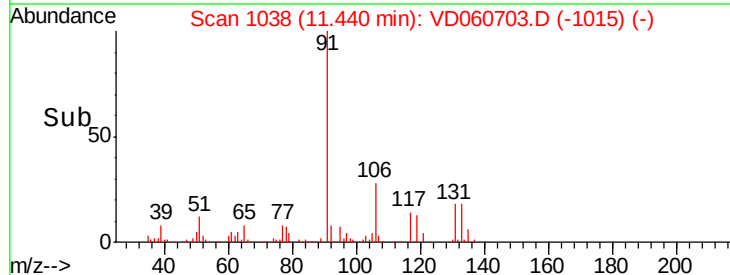
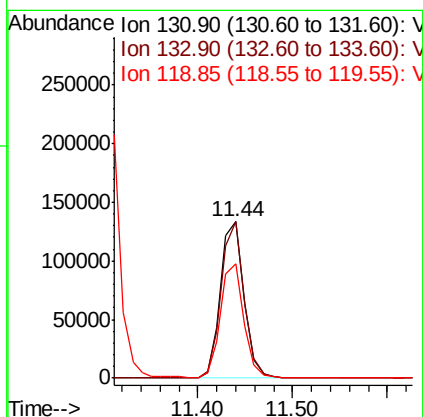
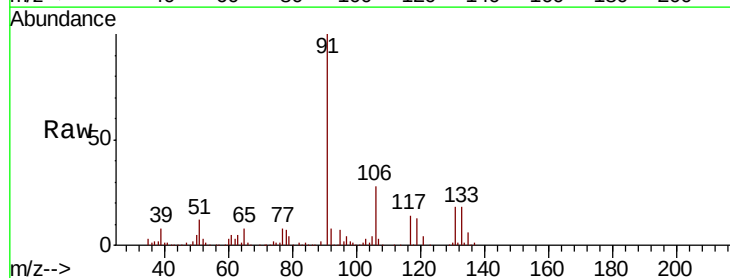
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

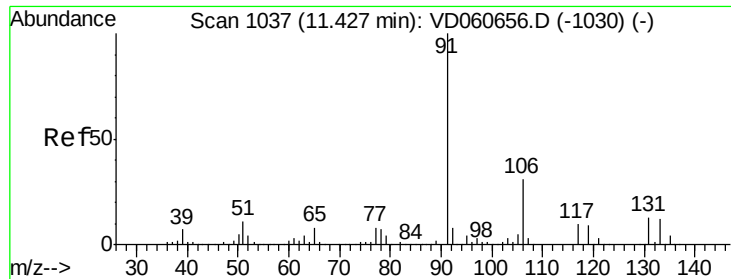
Tot Ion:112 Resp: 681988
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.019 ug/l
RT: 11.44 min Scan# 1038
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion:131 Resp: 229298
Ion Ratio Lower Upper
131 100
133 100.2 49.1 147.3
119 72.9 36.6 109.8

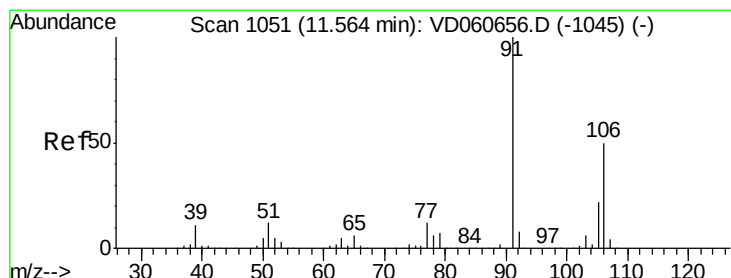
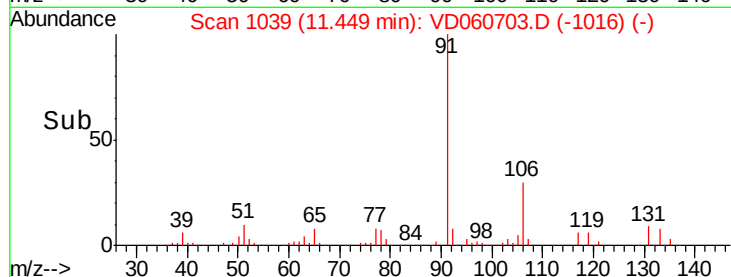
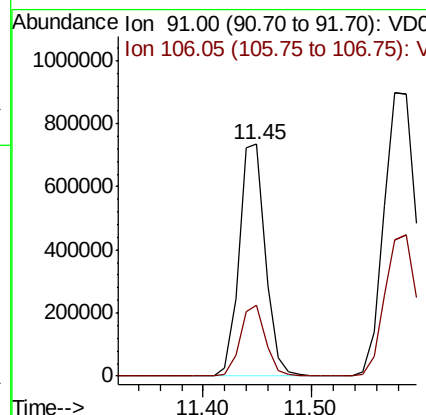
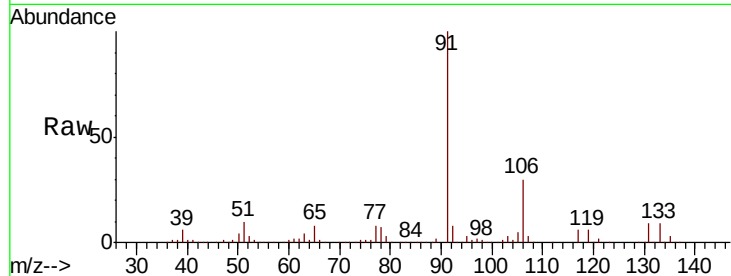




#67
Ethyl Benzene
Concen: 20.409 ug/l
RT: 11.45 min Scan# 1039
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

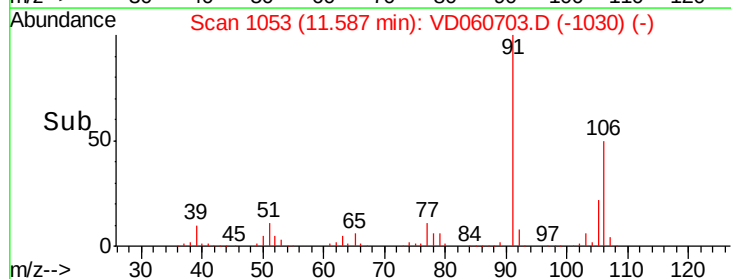
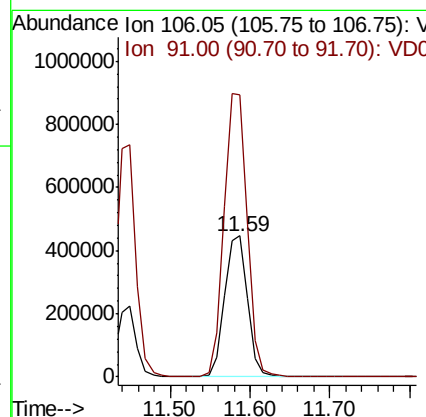
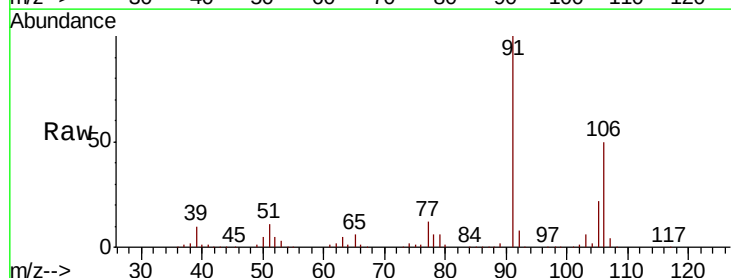
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

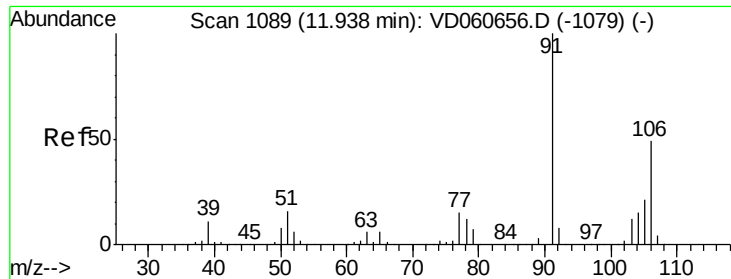
Tot Ion: 91 Resp: 1245126
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 40.755 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 106 Resp: 908689
Ion Ratio Lower Upper
106 100
91 200.2 158.9 238.3

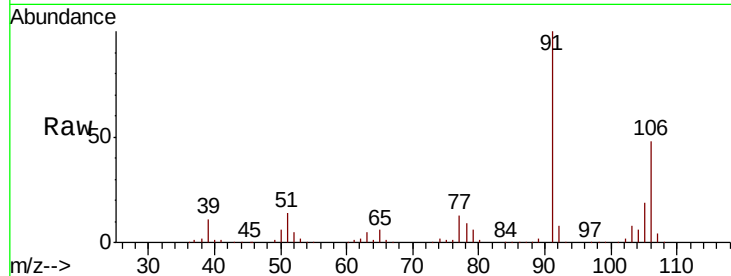




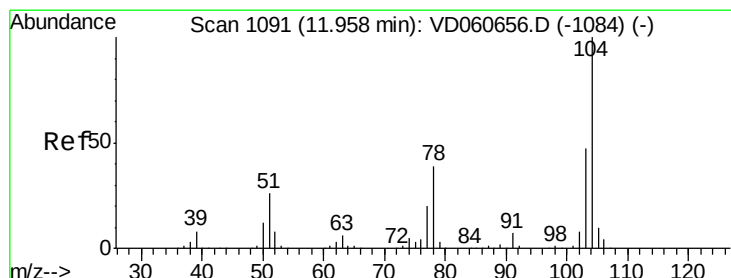
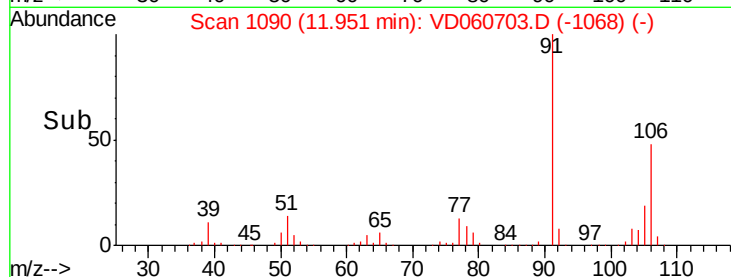
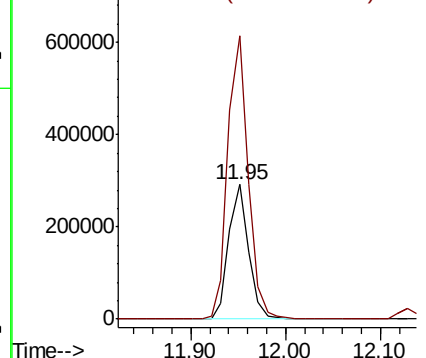
#69
o-Xylene
Concen: 20.211 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tot Ion:106 Resp: 427526
Ion Ratio Lower Upper
106 100
91 210.1 101.5 304.5

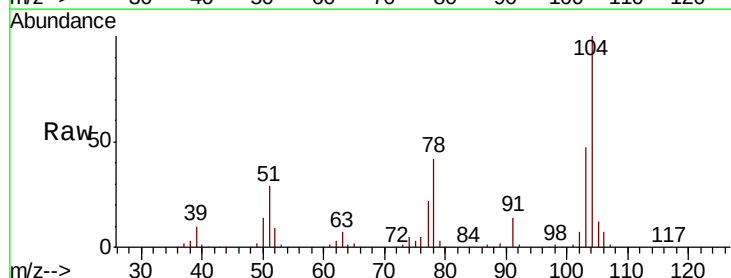


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

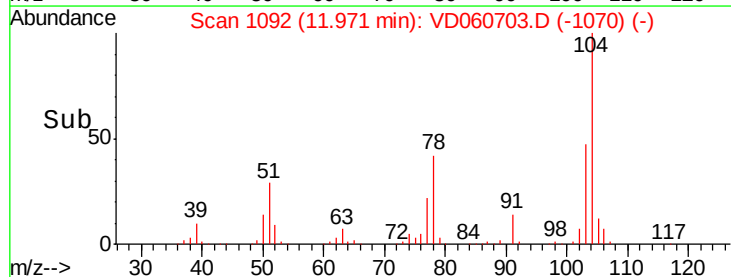
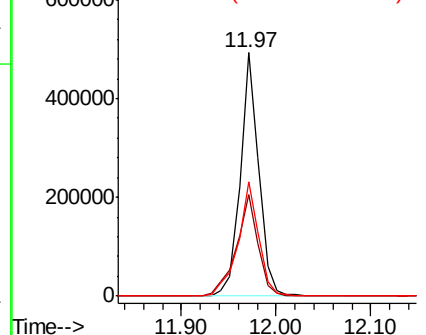


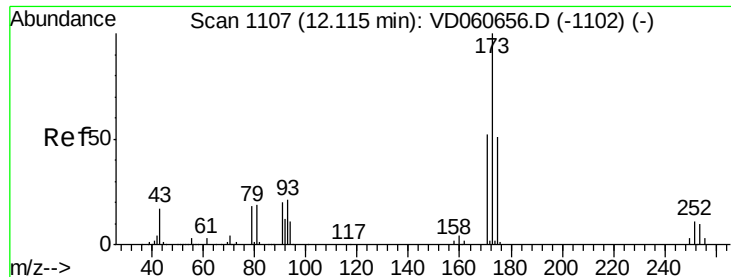
#70
Styrene
Concen: 19.635 ug/l
RT: 11.97 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion:104 Resp: 668952
Ion Ratio Lower Upper
104 100
78 41.6 31.4 47.2
103 47.2 37.5 56.3



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





#71

Bromoform

Concen: 18.479 ug/l

RT: 12.13 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

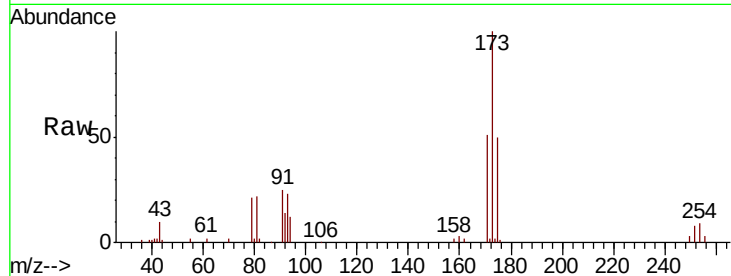
Tot Ion:173 Resp: 139717

Ion Ratio Lower Upper

173 100

175 50.4 25.5 76.5

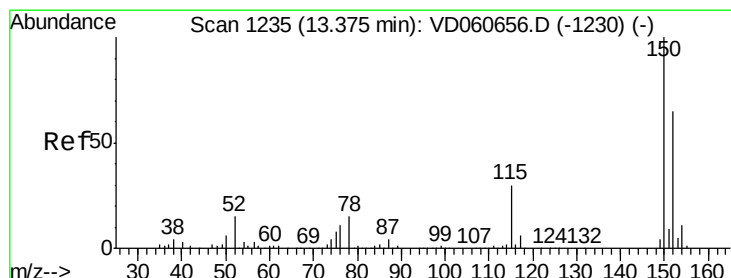
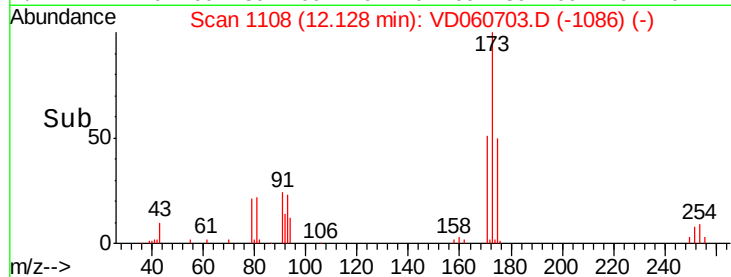
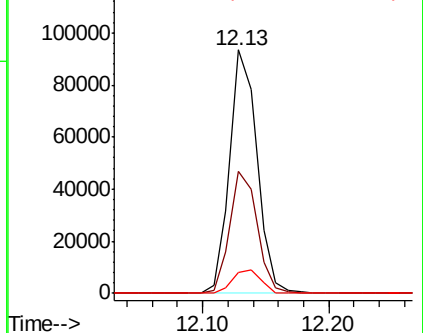
254 8.6 7.9 11.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

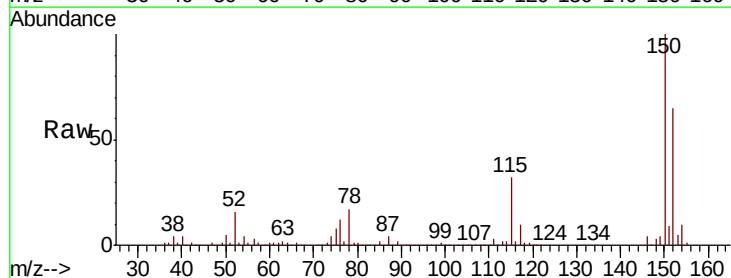
Tgt Ion:152 Resp: 847830

Ion Ratio Lower Upper

152 100

115 48.3 24.1 72.3

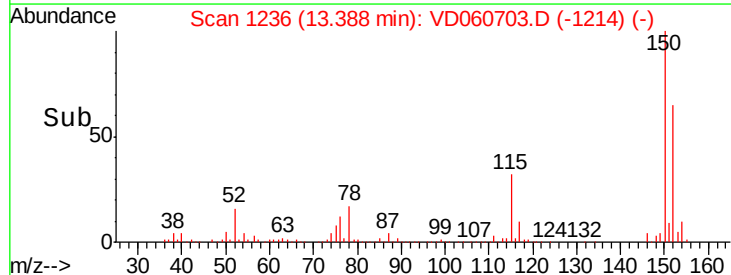
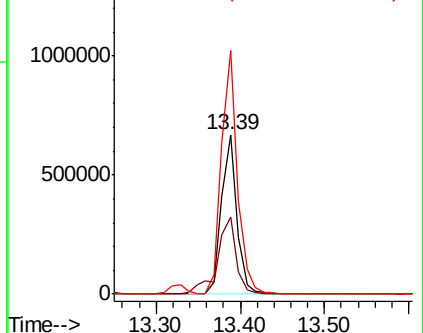
150 152.7 0.0 315.0

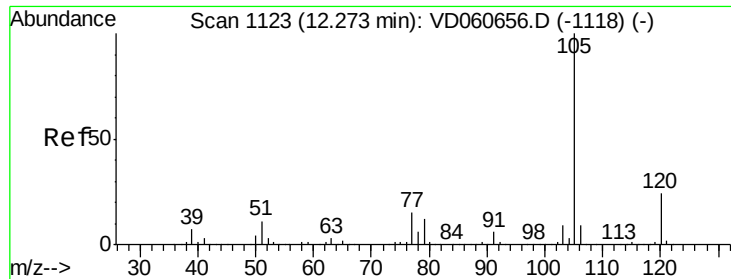


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.744 ug/l

RT: 12.30 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

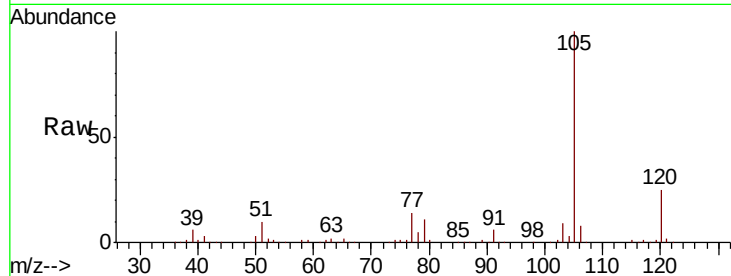
VD1222SBS01

Tot Ion:105 Resp: 1191860

Ion Ratio Lower Upper

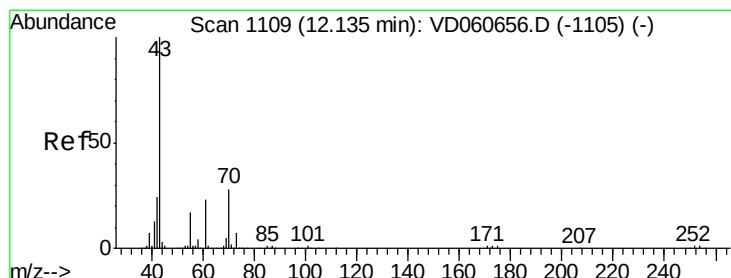
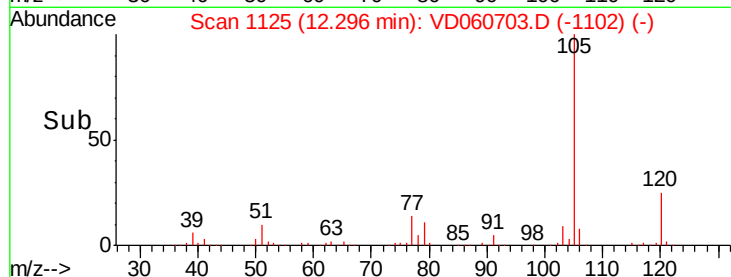
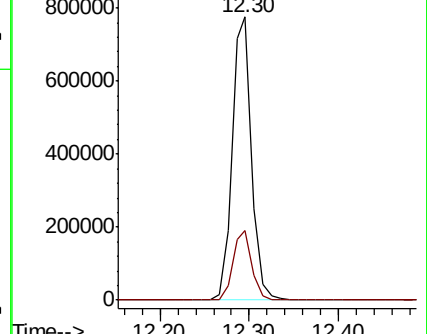
105 100

120 24.7 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.991 ug/l

RT: 12.15 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Tgt Ion: 43 Resp: 270565

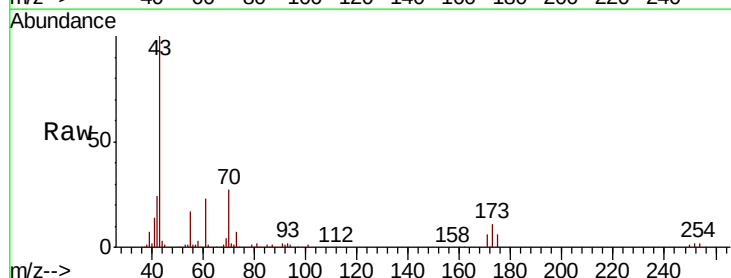
Ion Ratio Lower Upper

43 100

70 26.9 22.2 33.2

55 17.1 13.8 20.8

61 23.1 18.2 27.2

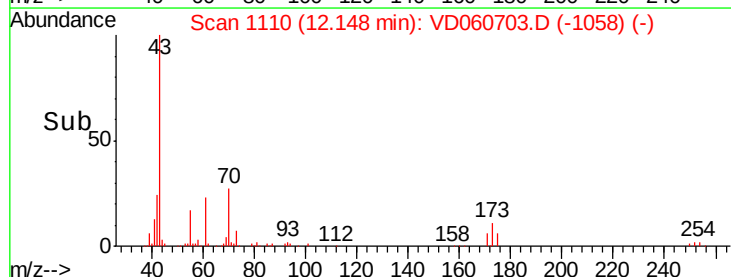
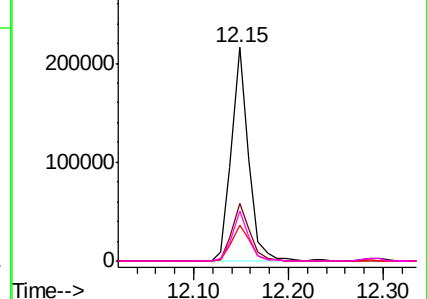


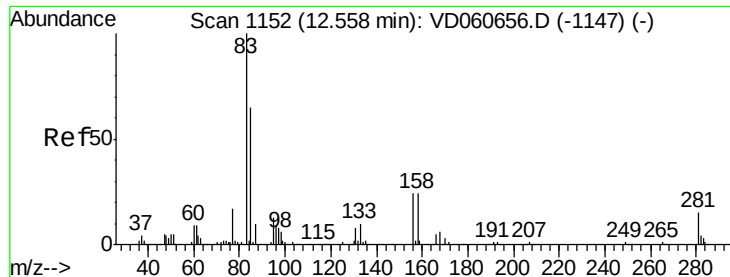
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.401 ug/l

RT: 12.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

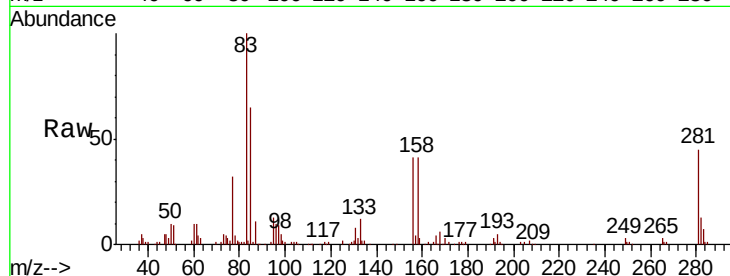
Tot Ion: 83 Resp: 189829

Ion Ratio Lower Upper

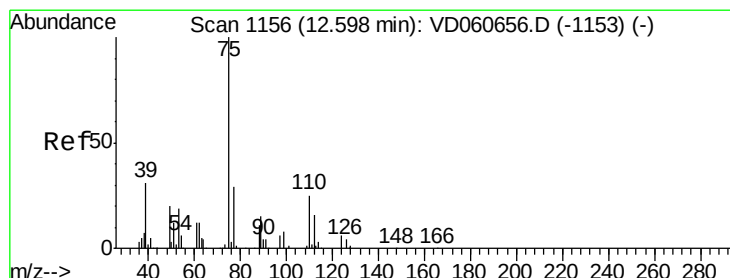
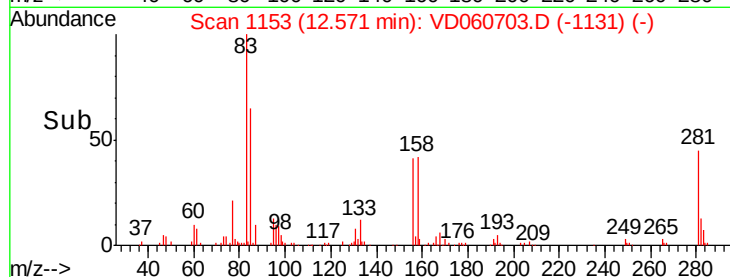
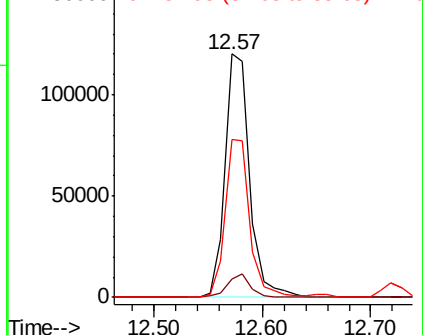
83 100

131 7.7 4.2 12.4

85 64.9 32.6 97.7



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: 19.315 ug/l

RT: 12.61 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VD060703.D

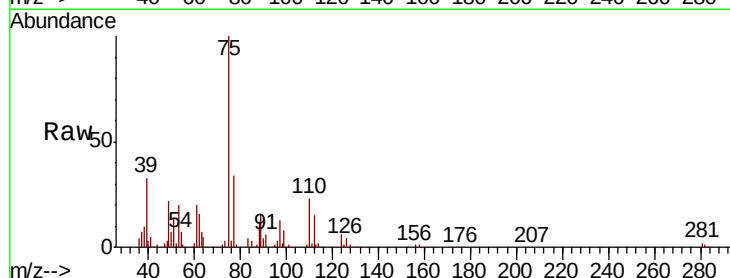
Acq: 22 Dec 2018 12:38

Tgt Ion: 75 Resp: 186436

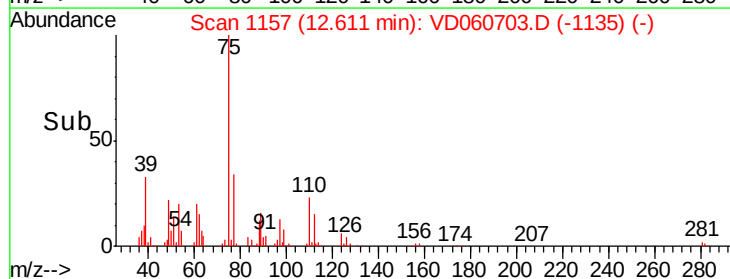
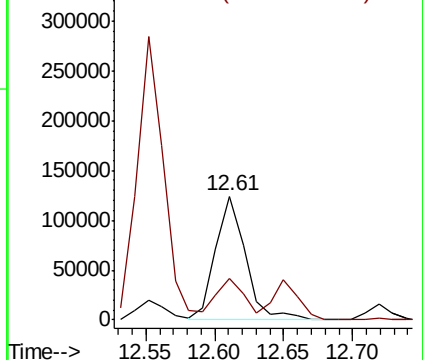
Ion Ratio Lower Upper

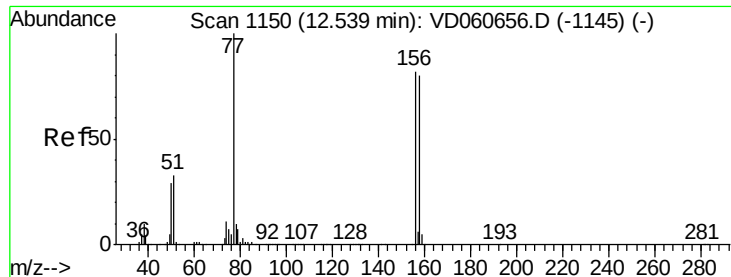
75 100

77 33.5 16.7 50.0



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

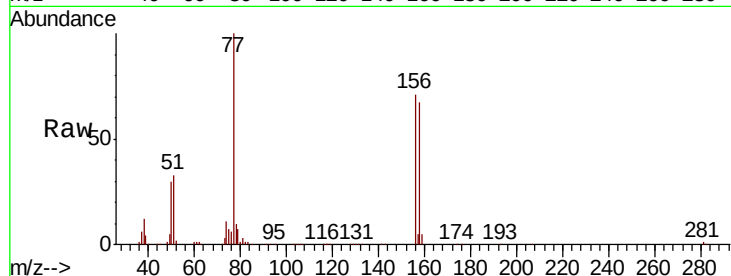




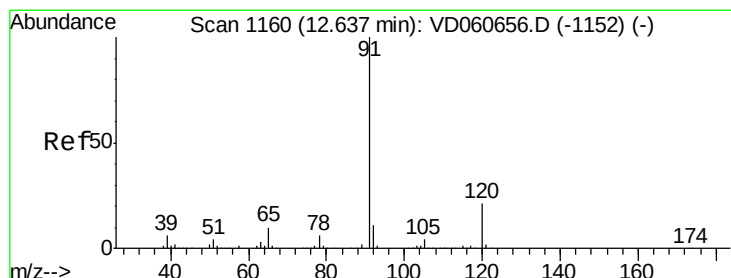
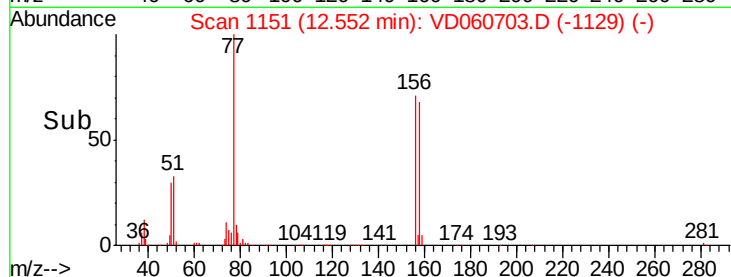
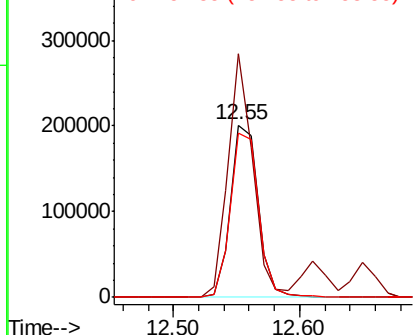
#77
Bromobenzene
Concen: 19.016 ug/l
RT: 12.55 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

Tot Ion:156 Resp: 303053
Ion Ratio Lower Upper
156 100
77 141.4 61.3 183.9
158 95.4 48.9 146.6

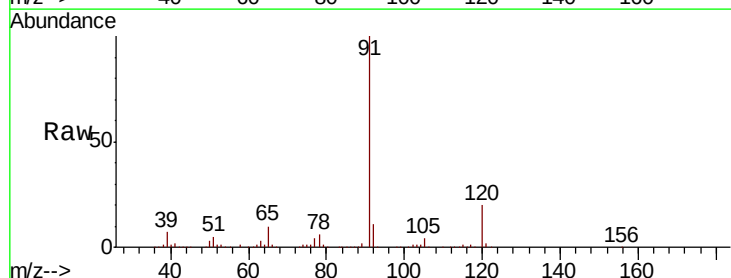


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

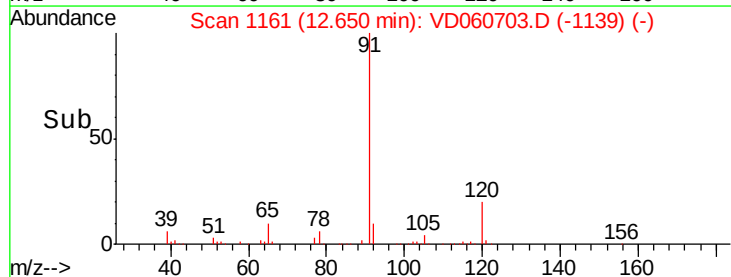
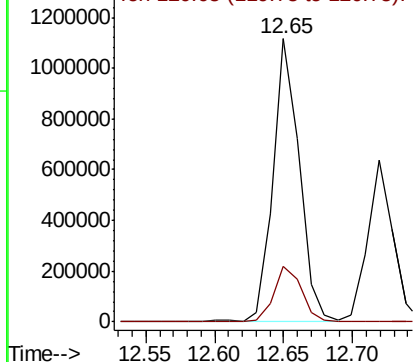


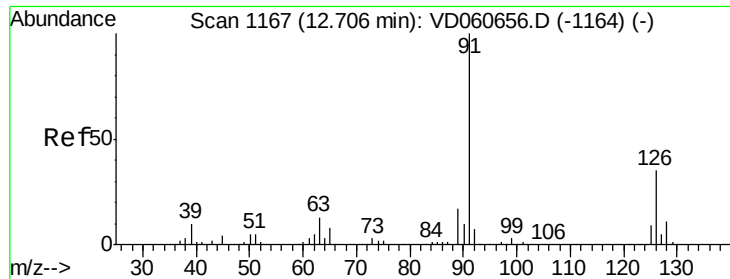
#78
n-propylbenzene
Concen: 19.093 ug/l
RT: 12.65 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 91 Resp: 1473457
Ion Ratio Lower Upper
91 100
120 19.7 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

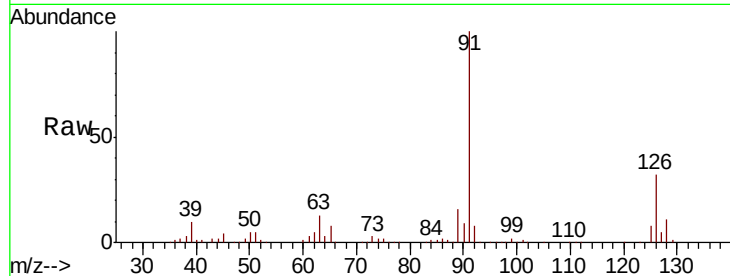




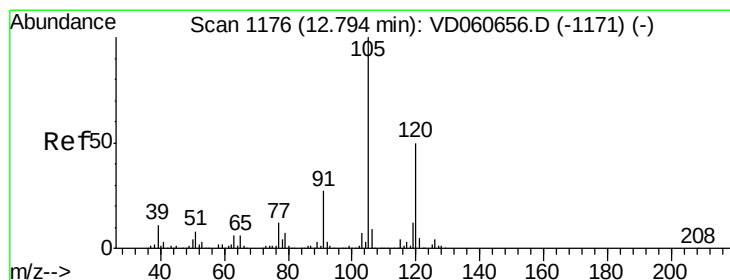
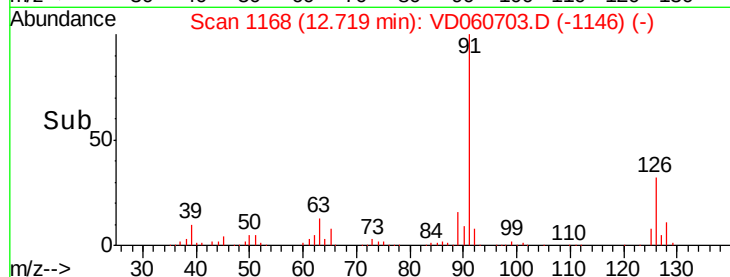
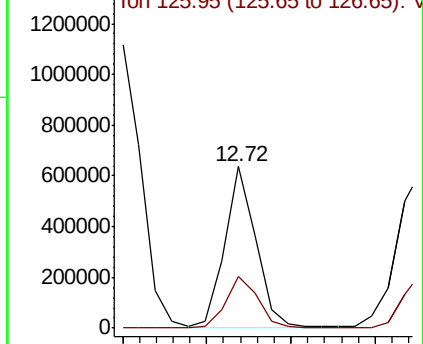
#79
2-Chlorotoluene
Concen: 19.503 ug/l
RT: 12.72 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

Tot Ion: 91 Resp: 806133
Ion Ratio Lower Upper
91 100
126 32.3 17.2 51.5

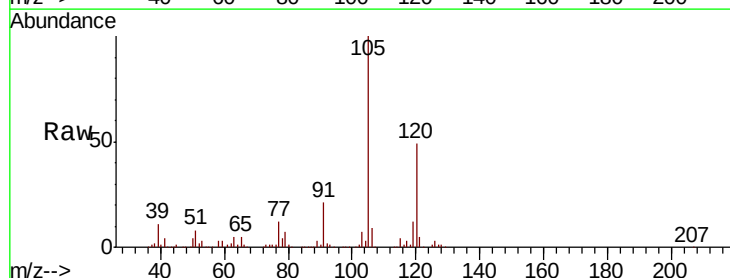


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

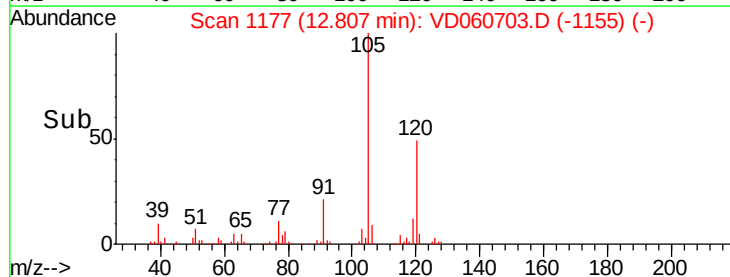
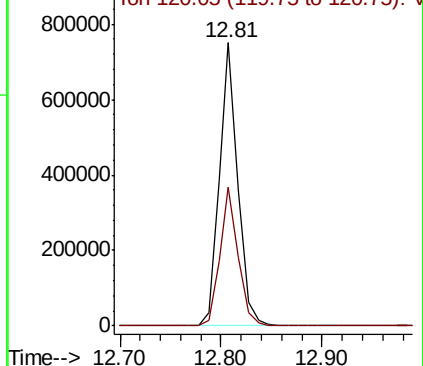


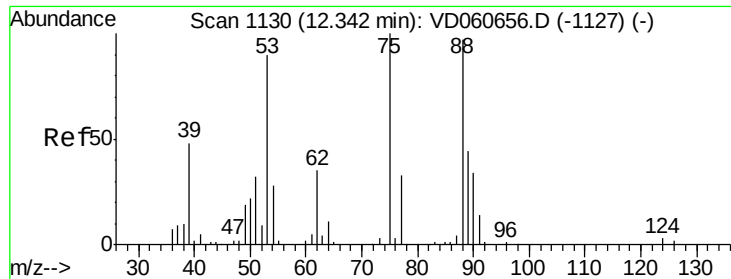
#80
1,3,5-Trimethylbenzene
Concen: 20.474 ug/l
RT: 12.81 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 105 Resp: 954346
Ion Ratio Lower Upper
105 100
120 48.9 24.8 74.4



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

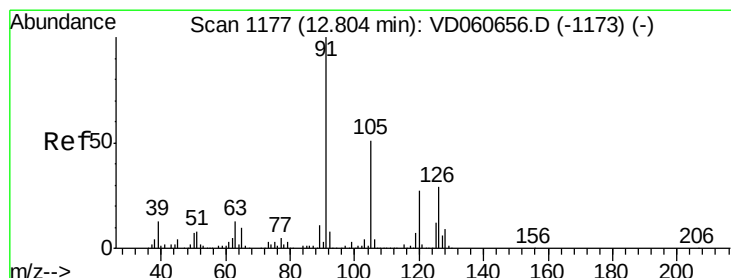
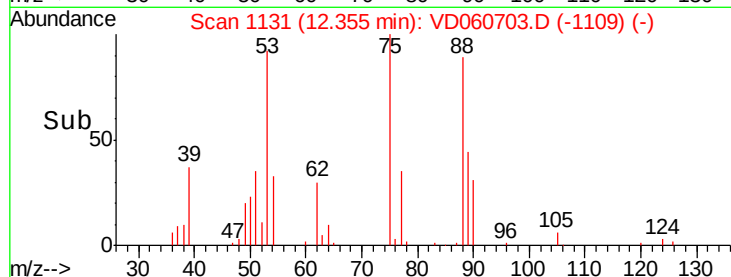
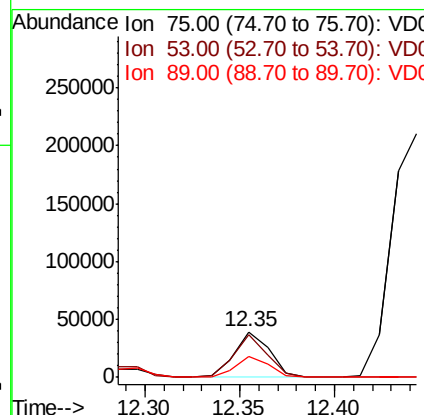
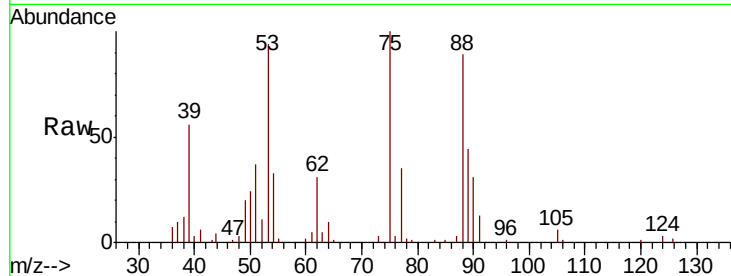




#81
trans-1,4-Dichloro-2-butene
Concen: 19.072 ug/l
RT: 12.35 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

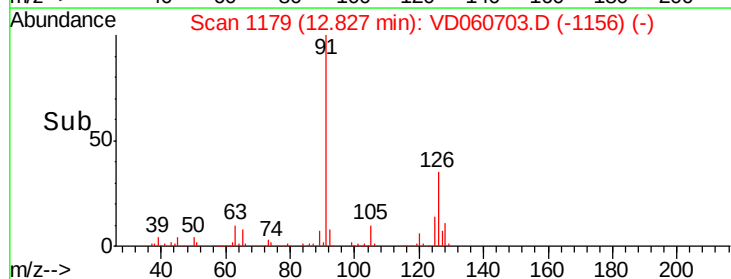
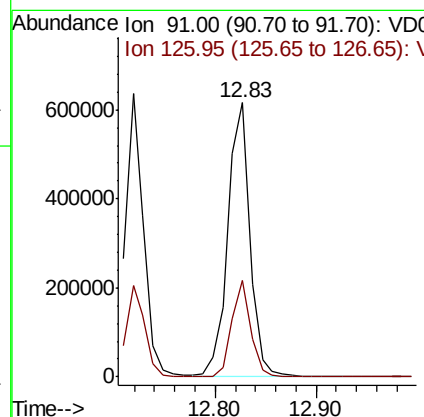
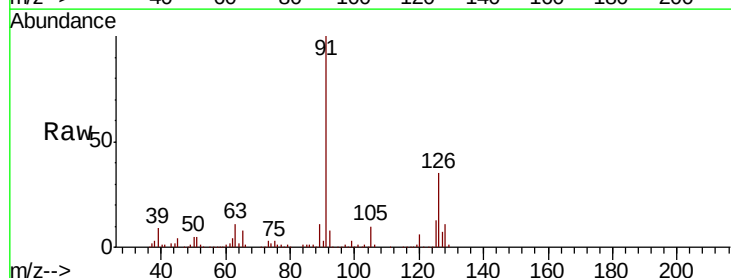
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

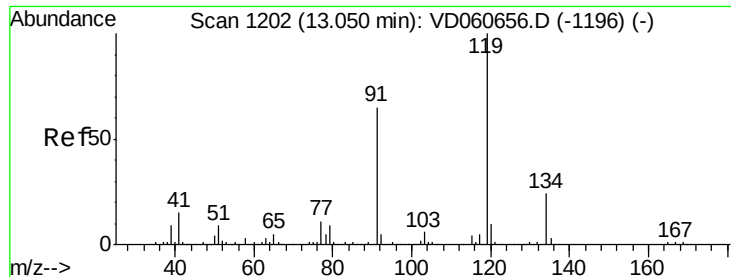
Tot Ion: 75 Resp: 50868
Ion Ratio Lower Upper
75 100
53 94.1 72.1 108.1
89 44.4 35.1 52.7



#82
4-Chlorotoluene
Concen: 20.012 ug/l
RT: 12.83 min Scan# 1179
Delta R.T. 0.02 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 91 Resp: 937556
Ion Ratio Lower Upper
91 100
126 35.4 14.6 43.8

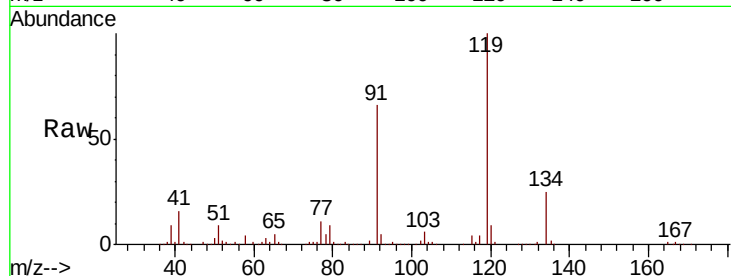




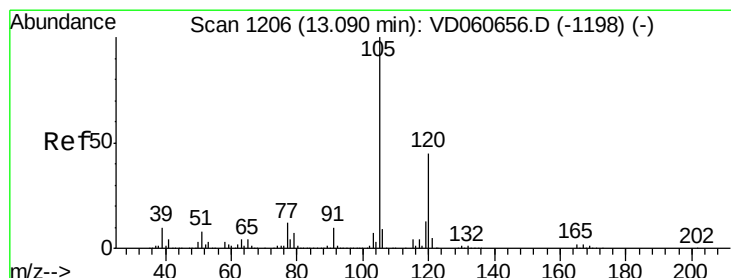
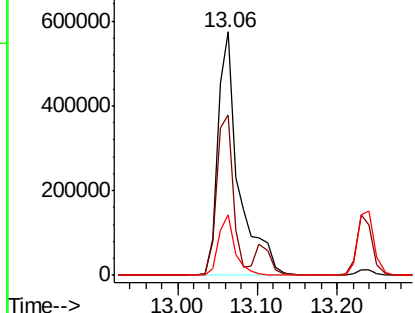
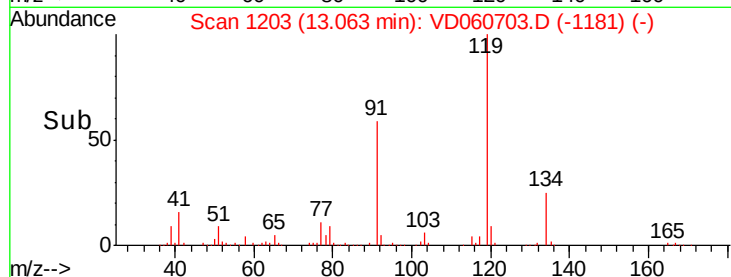
#83
tert-Butylbenzene
Concen: 19.899 ug/l
RT: 13.06 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBSD01

Tot Ion:119 Resp: 1055587
Ion Ratio Lower Upper
119 100
91 65.7 32.5 97.4
134 24.7 11.9 35.9

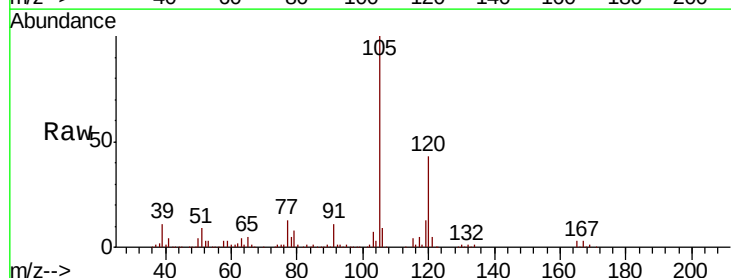


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

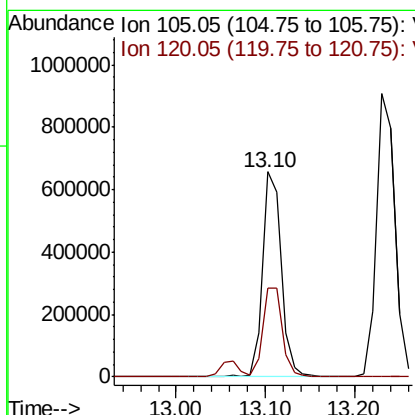
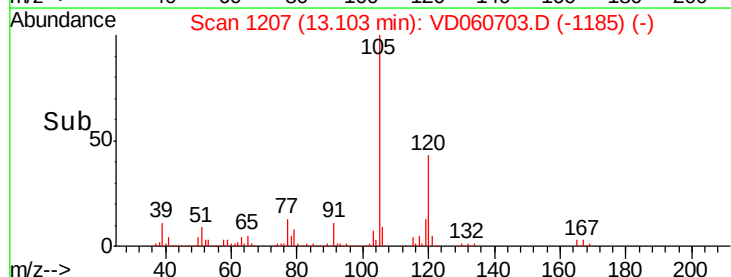


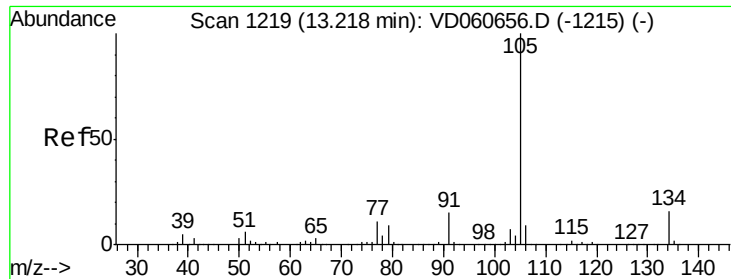
#84
1,2,4-Trimethylbenzene
Concen: 19.689 ug/l
RT: 13.10 min Scan# 1207
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion:105 Resp: 945233
Ion Ratio Lower Upper
105 100
120 43.1 22.4 67.0



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





#85

sec-Butylbenzene

Concen: 19.795 ug/l

RT: 13.23 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

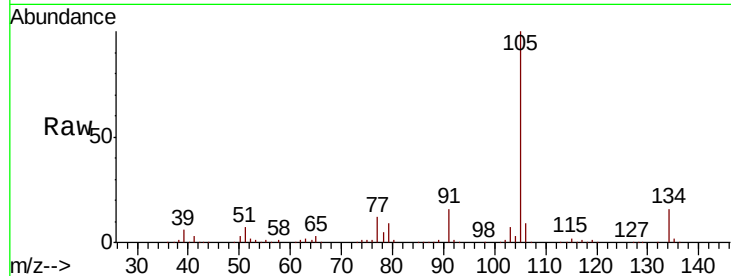
VD1222SBS01

Tot Ion:105 Resp: 1280620

Ion Ratio Lower Upper

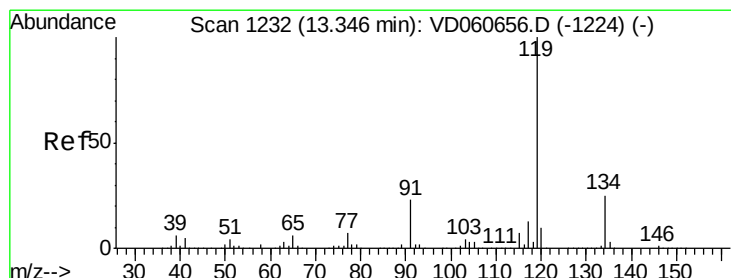
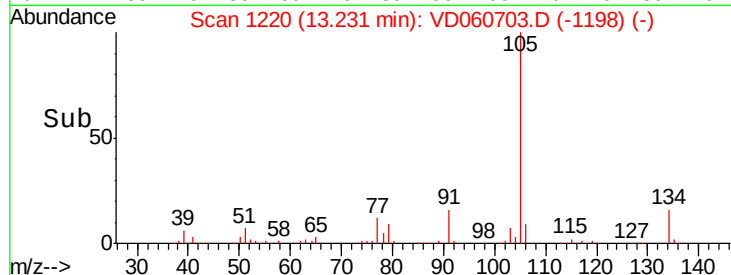
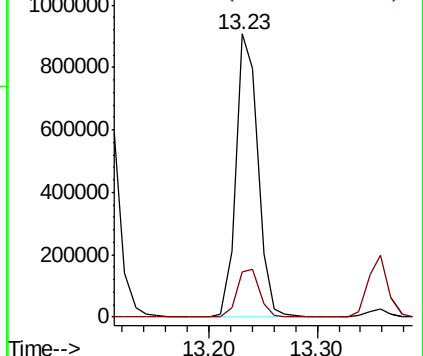
105 100

134 15.8 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.480 ug/l

RT: 13.36 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

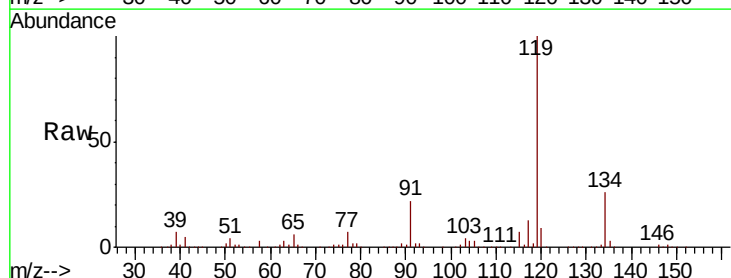
Tgt Ion:119 Resp: 1017290

Ion Ratio Lower Upper

119 100

134 25.7 12.5 37.5

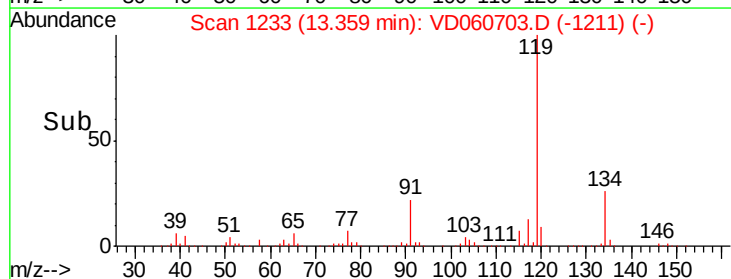
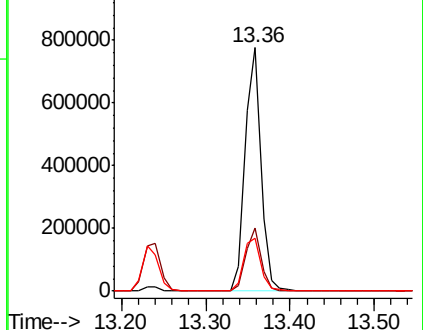
91 22.0 11.4 34.2

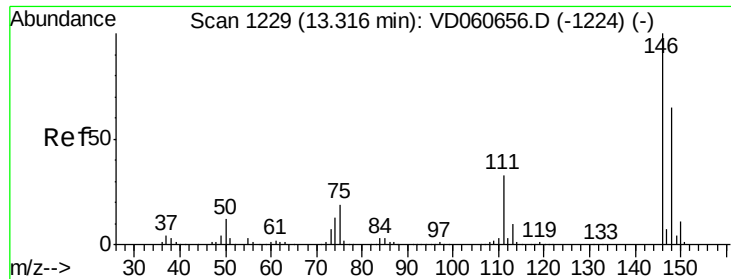


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

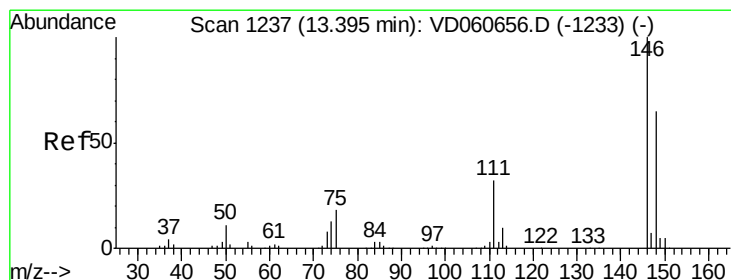
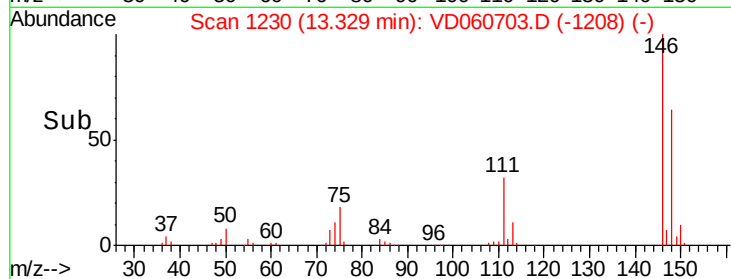
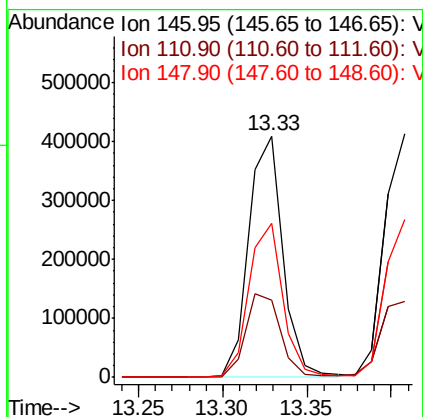
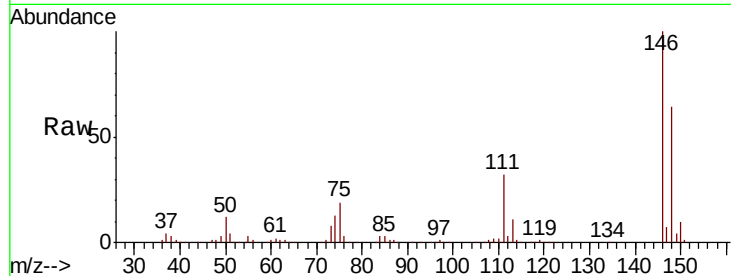




#87
 1,3-Dichlorobenzene
 Concen: 19.694 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

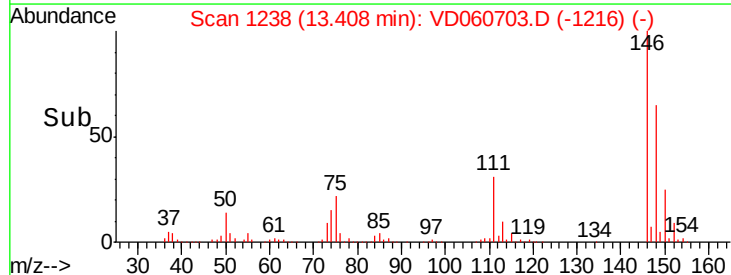
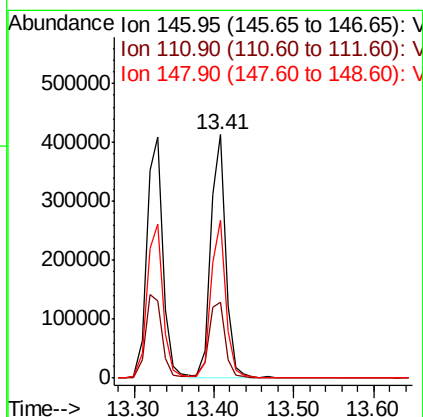
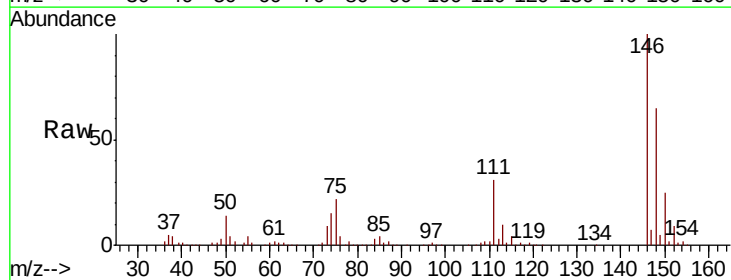
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBSD01

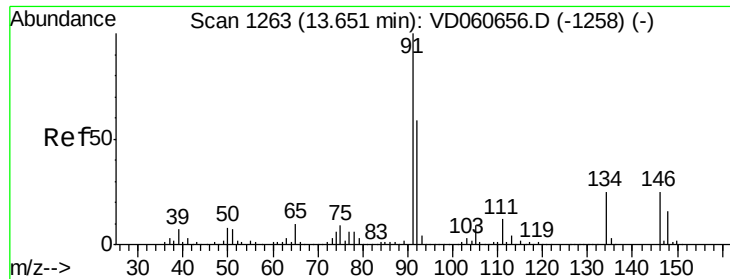
Tot Ion:146 Resp: 576170
 Ion Ratio Lower Upper
 146 100
 111 32.1 16.6 49.8
 148 63.6 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 19.053 ug/l
 RT: 13.41 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion:146 Resp: 549275
 Ion Ratio Lower Upper
 146 100
 111 31.2 16.2 48.5
 148 64.7 32.7 98.1

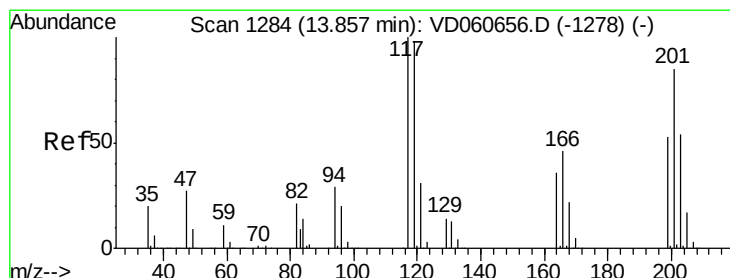
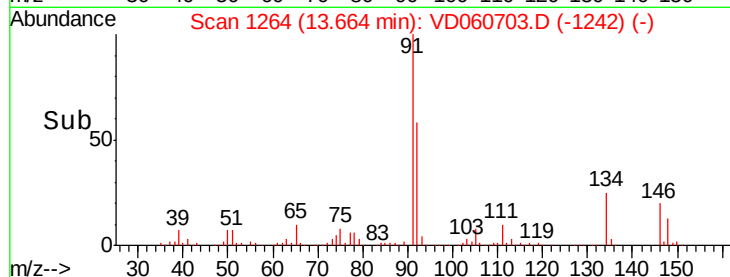
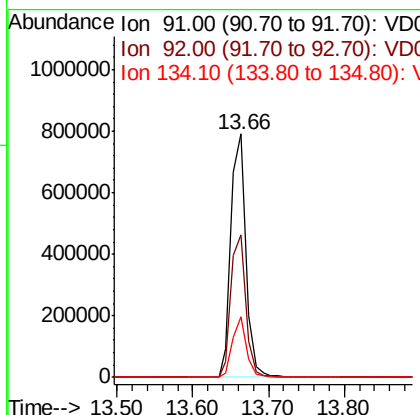
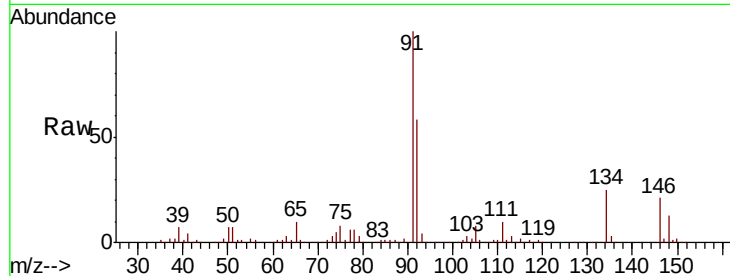




#89
n-Butylbenzene
Concen: 20.150 ug/l
RT: 13.66 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

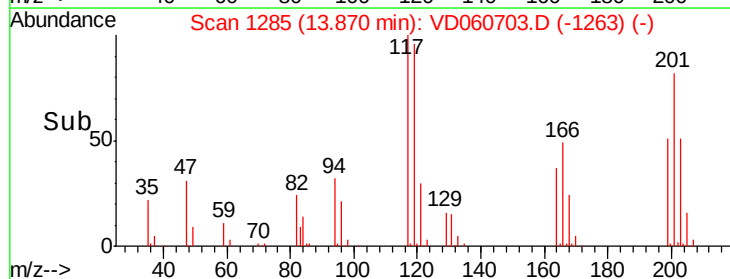
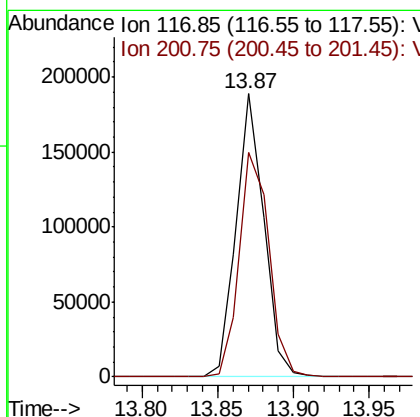
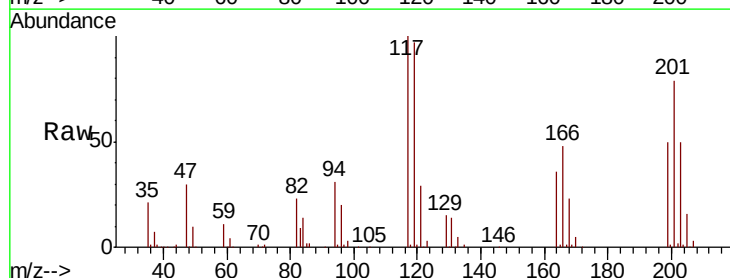
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBS01

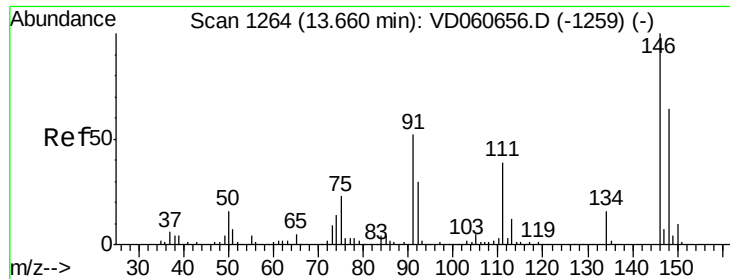
Tot Ion: 91 Resp: 1075323
Ion Ratio Lower Upper
91 100
92 58.3 29.7 89.1
134 24.6 12.7 38.1



#90
Hexachloroethane
Concen: 18.650 ug/l
RT: 13.87 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD060703.D
Acq: 22 Dec 2018 12:38

Tgt Ion: 117 Resp: 239260
Ion Ratio Lower Upper
117 100
201 79.3 42.6 127.8

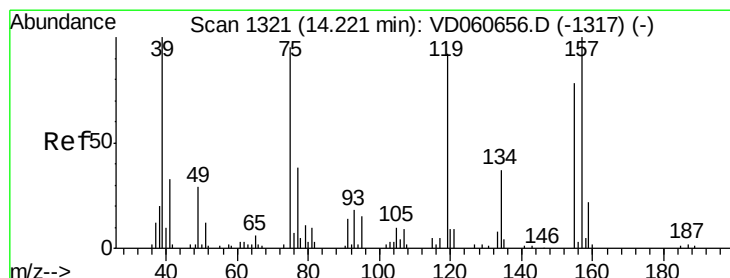
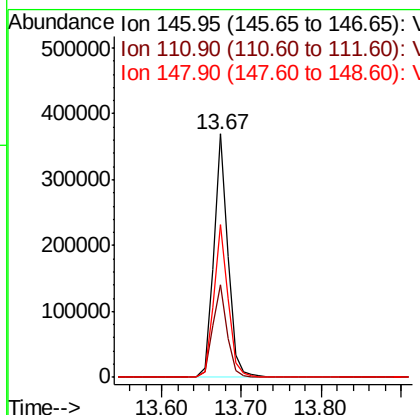
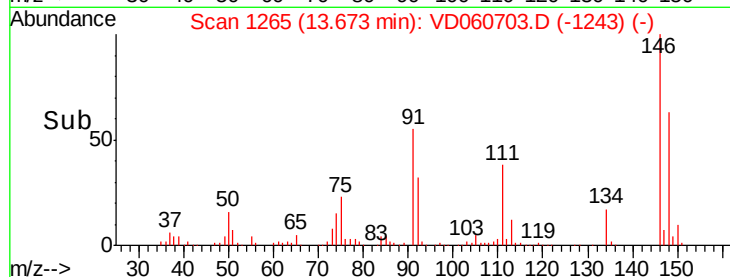
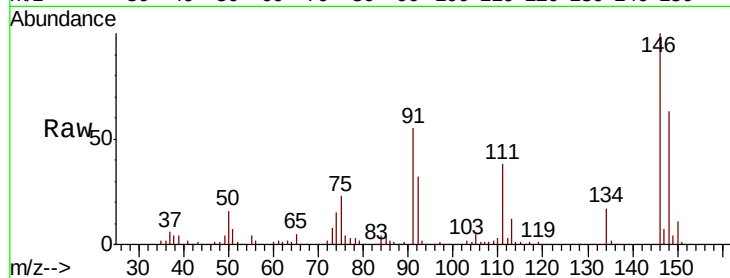




#91
 1,2-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 13.67 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

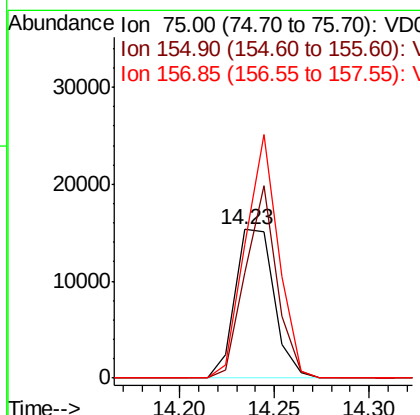
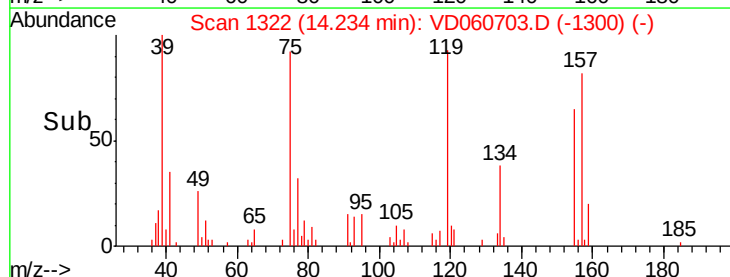
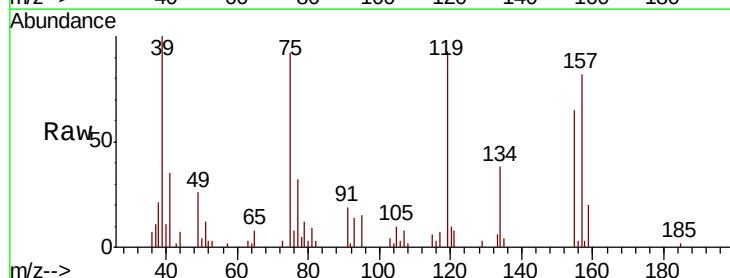
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBSD01

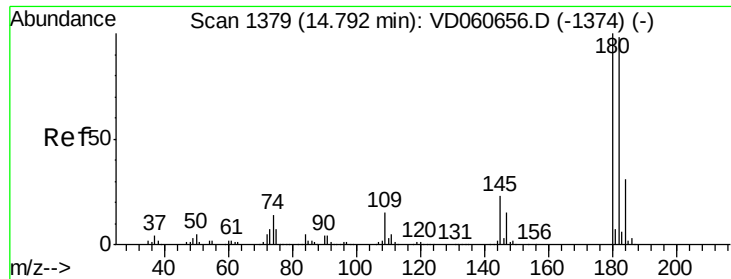
Tot Ion:146 Resp: 466286
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.3 57.9
 148 62.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.894 ug/l
 RT: 14.23 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion: 75 Resp: 21718
 Ion Ratio Lower Upper
 75 100
 155 71.1 41.1 123.4
 157 89.8 52.5 157.6

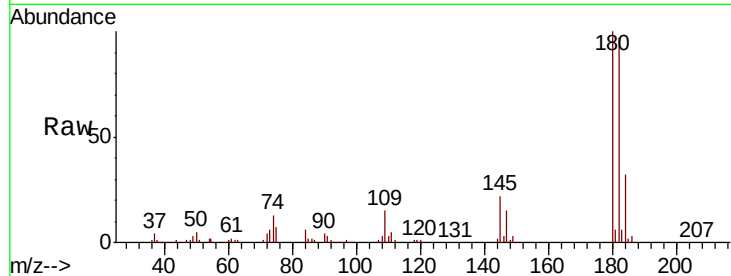




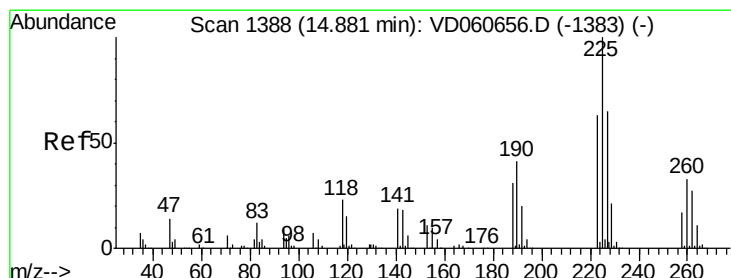
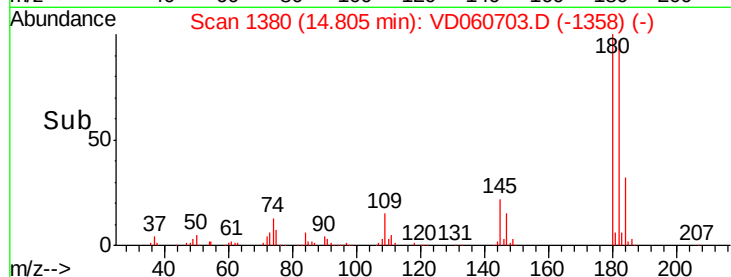
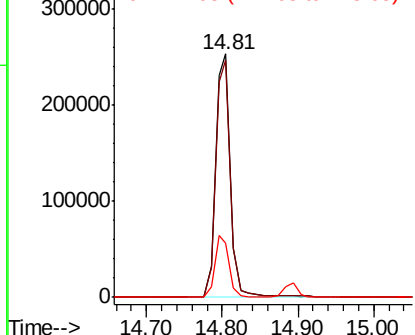
#93
 1,2,4-Trichlorobenzene
 Concen: 18.903 ug/l
 RT: 14.81 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.8	146.4
145	22.4	11.8	35.3

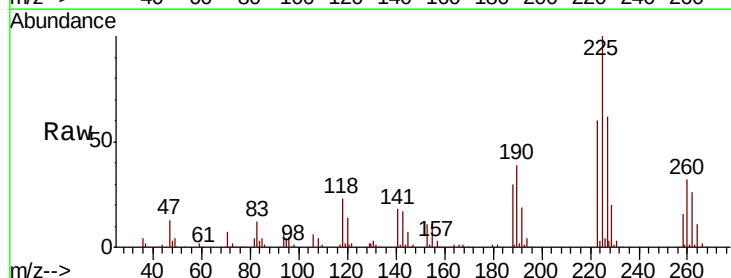


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

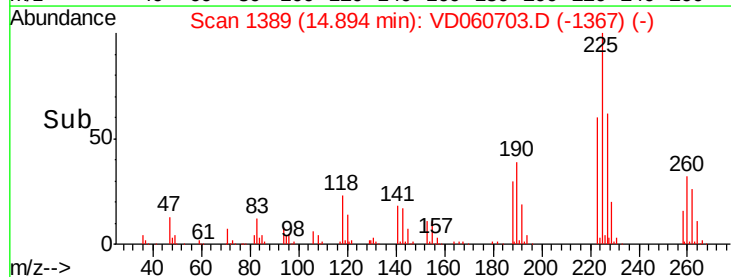
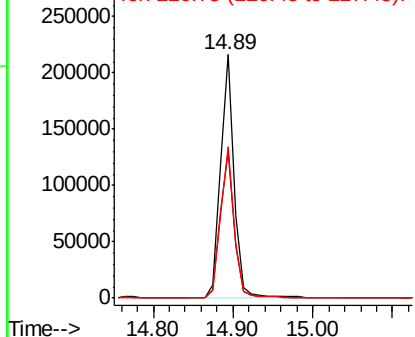


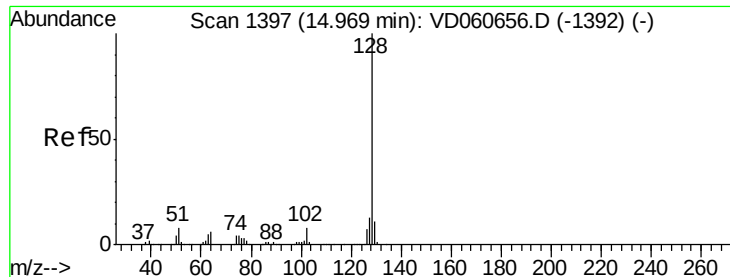
#94
 Hexachlorobutadiene
 Concen: 19.056 ug/l
 RT: 14.89 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VD060703.D
 Acq: 22 Dec 2018 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.3	93.8
227	62.0	32.5	97.4



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: 18.655 ug/l

RT: 14.98 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBS01

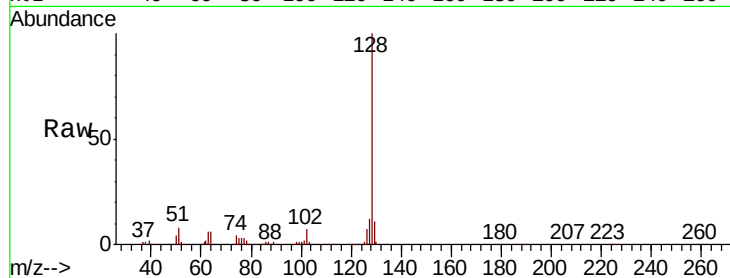
Tot Ion:128 Resp: 414056

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

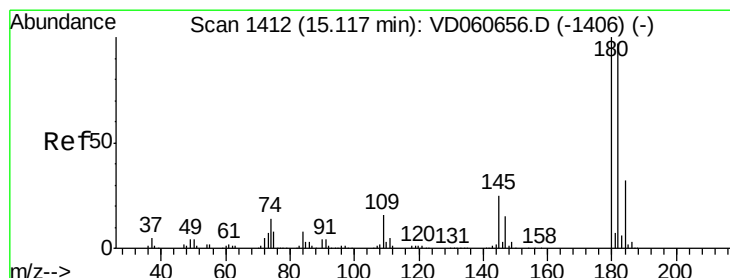
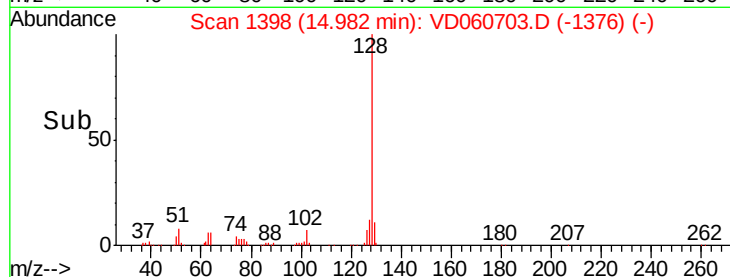
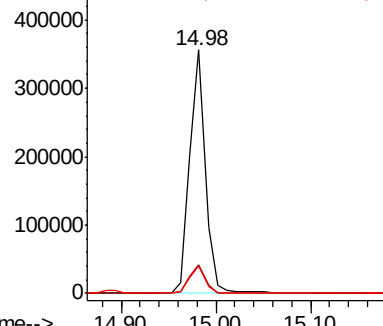
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.590 ug/l

RT: 15.13 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD060703.D

Acq: 22 Dec 2018 12:38

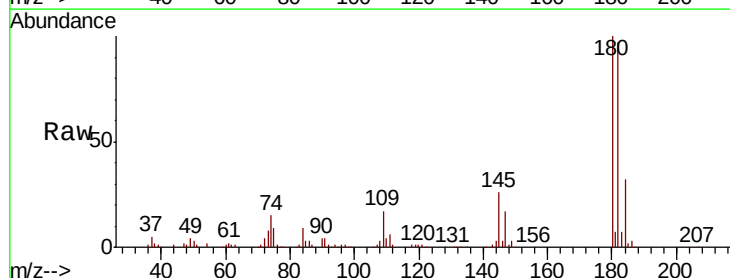
Tgt Ion:180 Resp: 285971

Ion Ratio Lower Upper

180 100

182 97.0 48.6 145.9

145 26.1 12.6 37.8



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

