

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069466.D
 Acq On : 16 Jun 2021 14:53
 Operator : VA/SY
 Sample : M2709-08RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

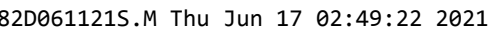
Quant Time: Jun 17 02:49:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

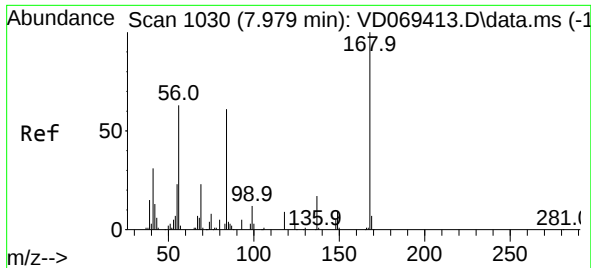
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	251322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	483569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	550256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	269766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	168848	59.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.100%
35) Dibromofluoromethane	7.914	113	137781	38.041	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.080%
50) Toluene-d8	10.338	98	683903	51.626	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.260%
62) 4-Bromofluorobenzene	12.626	95	293760	69.111	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	138.220%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	361	Below Cal	#	53
10) Methyl Iodide	4.297	142	78	3.359	ug/l #	39
11) Tert butyl alcohol	5.208	59	213	1.445	ug/l #	73
16) Acetone	4.156	43	61723	131.519	ug/l	97
17) Carbon Disulfide	4.414	76	91466	10.609	ug/l #	94
18) Methyl Acetate	4.479	43	324	Below Cal	#	46
23) Vinyl Acetate	6.091	43	65	17.592	ug/l #	67
25) 2-Butanone	7.220	43	12506	21.370	ug/l	97
31) Cyclohexane	7.985	56	16636	4.318	ug/l #	73
36) 1,1,2-Trichloropropene	7.979	75	19589	3.890	ug/l #	53
37) Ethyl Acetate	7.220	43	12506	7.424	ug/l #	79
38) Carbon Tetrachloride	7.979	117	24673	4.523	ug/l #	16
39) Methylcyclohexane	9.355	83	60638	11.972	ug/l	93
43) Isopropyl Acetate	8.449	43	5084	1.596	ug/l #	46
48) Methyl methacrylate	9.485	41	2701	1.865	ug/l #	35
51) 4-Methyl-2-Pentanone	10.332	43	14928	9.185	ug/l	93
55) 1,1,2-Trichloroethane	10.773	97	58315	20.581	ug/l #	25
56) Ethyl methacrylate	10.632	69	27884	10.955	ug/l #	82
58) 2-Chloroethyl Vinyl ether	9.926	63	193	12.053	ug/l #	44
59) 2-Hexanone	10.949	43	18725	17.261	ug/l #	27
74) N-amyl acetate	12.261	43	60610	17.814	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.690	83	33374	9.165	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	126659	46.311	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	126659	123.545	ug/l #	25
95) Naphthalene	15.384	128	831	3.653	ug/l #	69

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

Quant Time: Jun 17 02:49:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

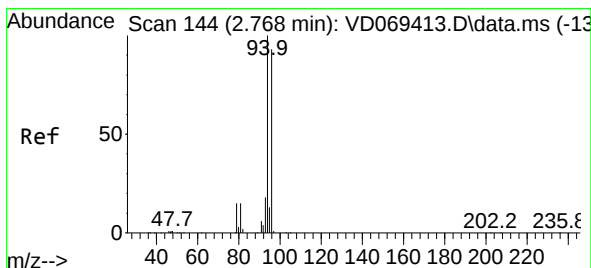
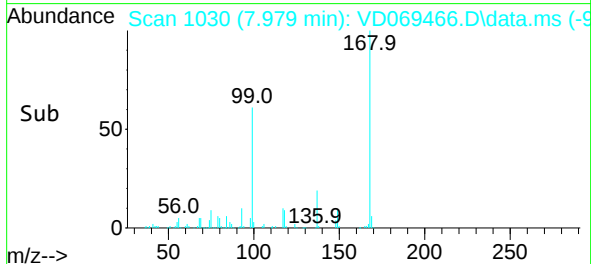
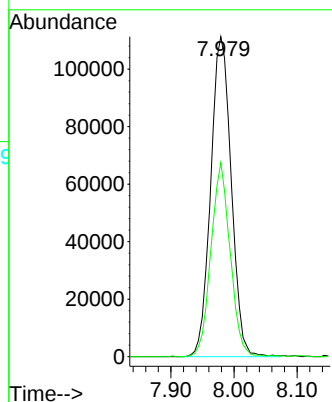
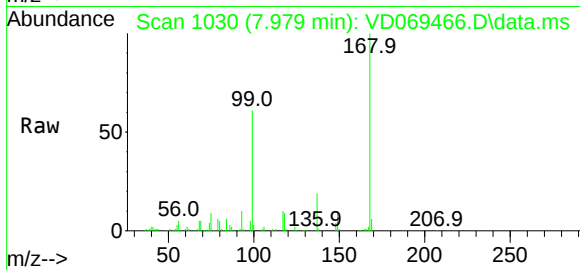




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

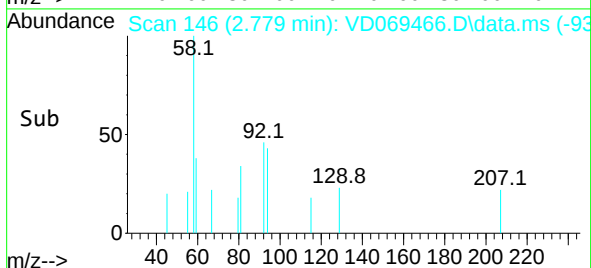
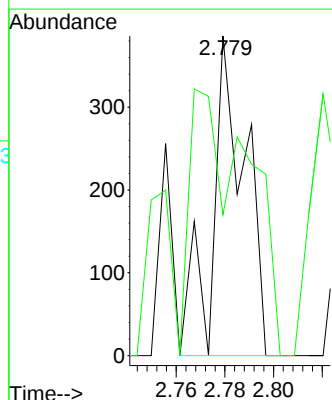
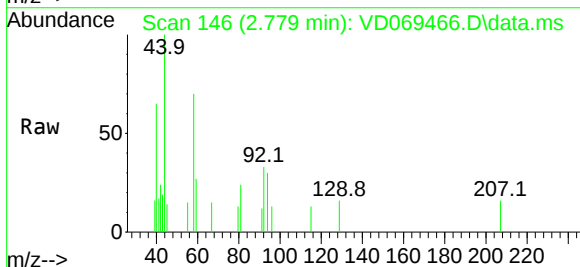
Instrument :
MSVOA_D
ClientSampleId :

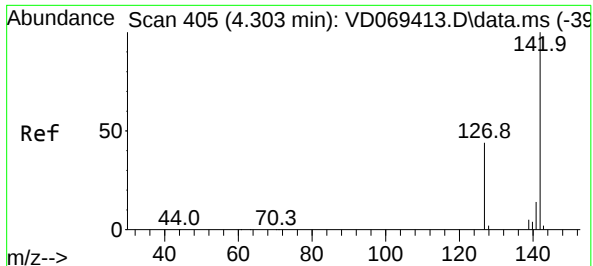
Tgt Ion:168 Resp: 251322
Ion Ratio Lower Upper
168 100
99 60.7 46.2 69.2



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

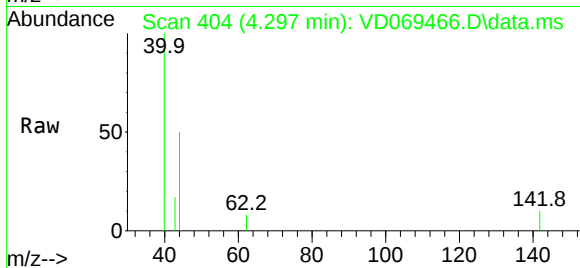
Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 44.0 70.3 105.5#



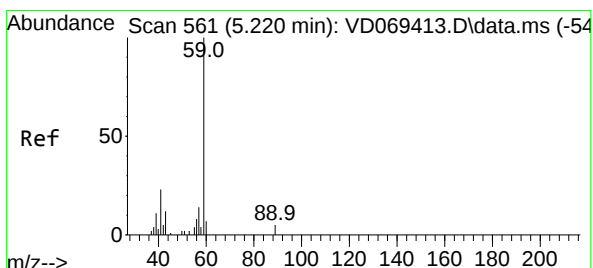
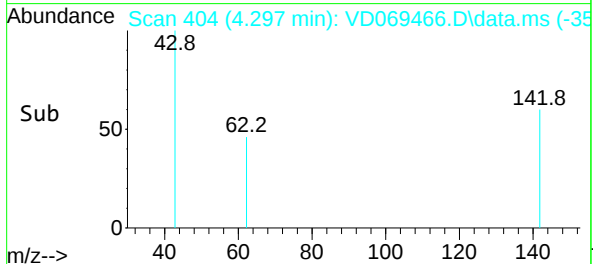
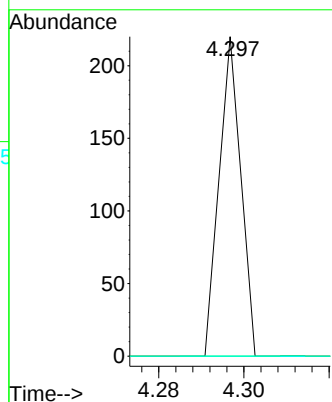


#10
Methyl Iodide
Concen: 3.359 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Instrument :
MSVOA_D
ClientSampled :

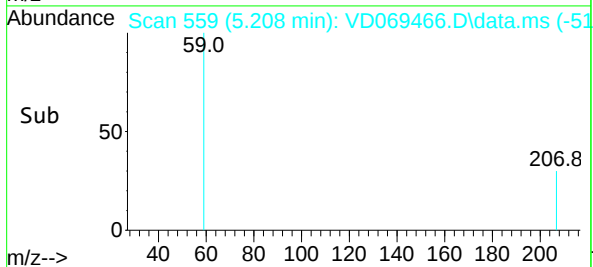
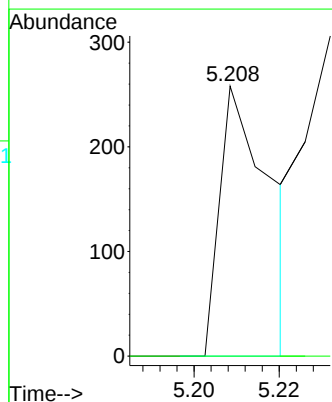
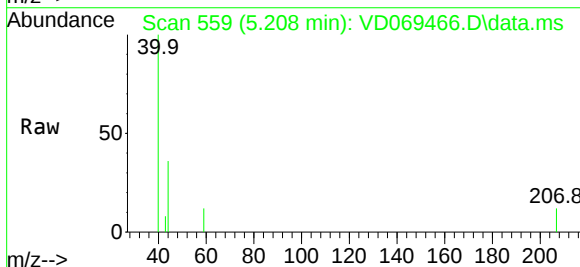


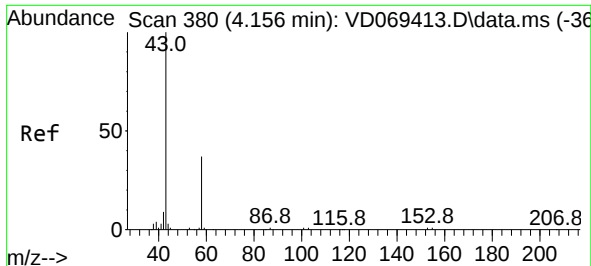
Tgt Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: 1.445 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

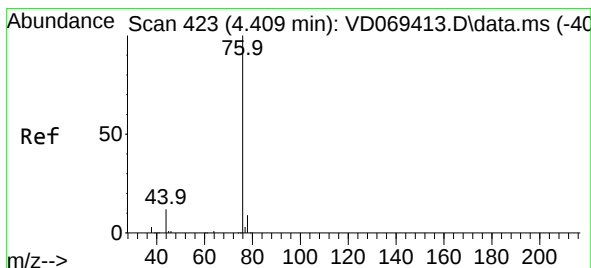
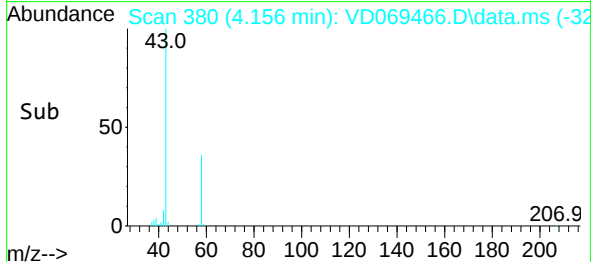
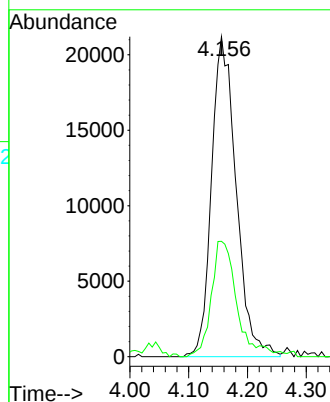
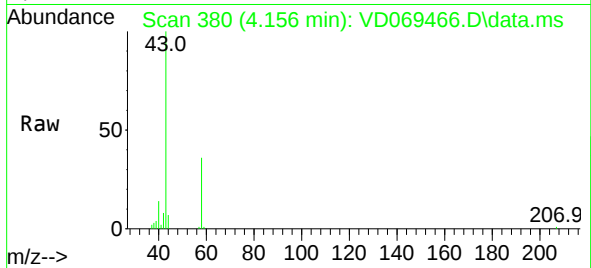




#16
Acetone
Concen: 131.519 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

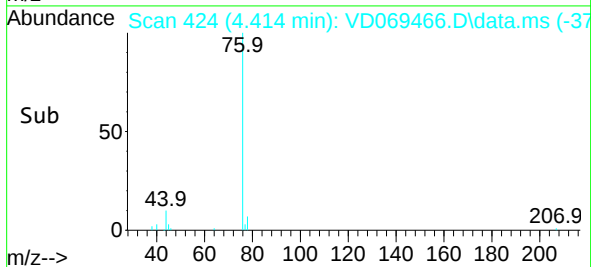
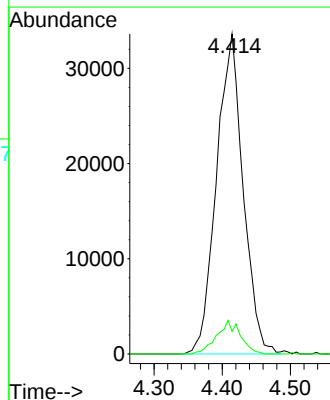
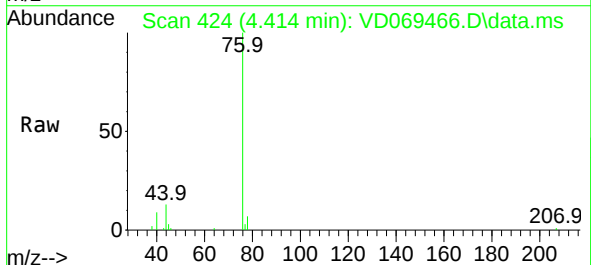
Instrument :
MSVOA_D
ClientSampleId :

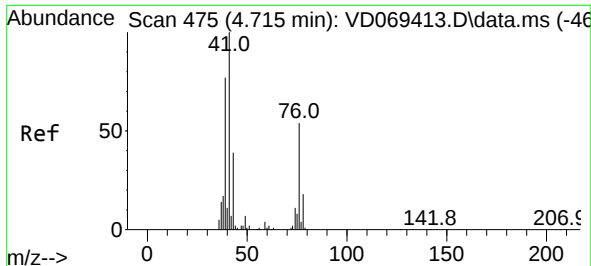
Tgt Ion: 43 Resp: 61723
Ion Ratio Lower Upper
43 100
58 36.0 27.5 41.3



#17
Carbon Disulfide
Concen: 10.609 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion: 76 Resp: 91466
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.0#

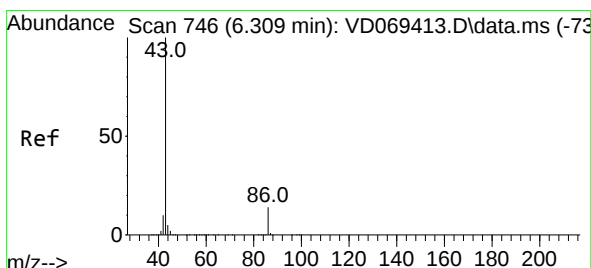
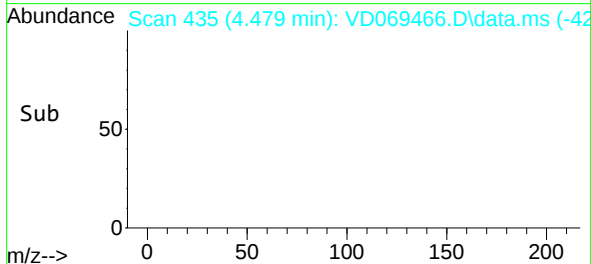
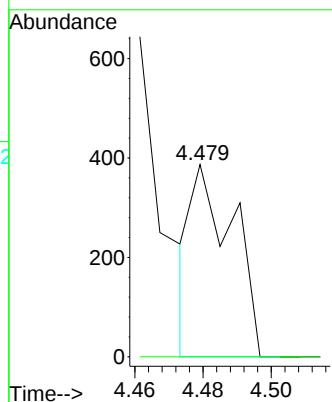
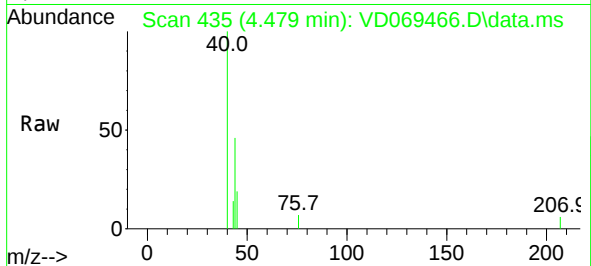




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 435
Delta R.T. -0.236 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

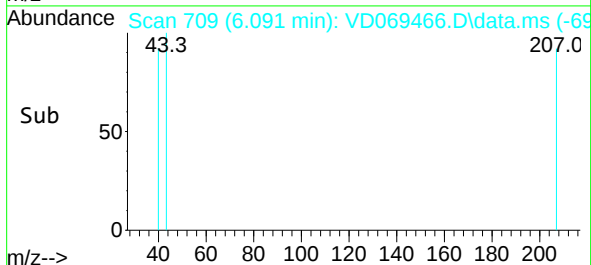
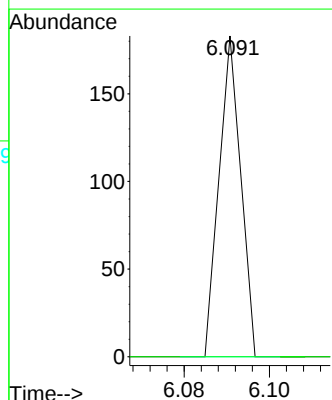
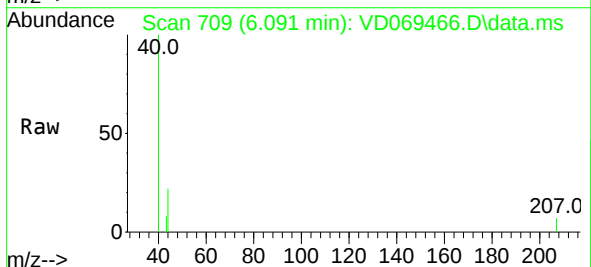
Instrument :
MSVOA_D
ClientSampled :

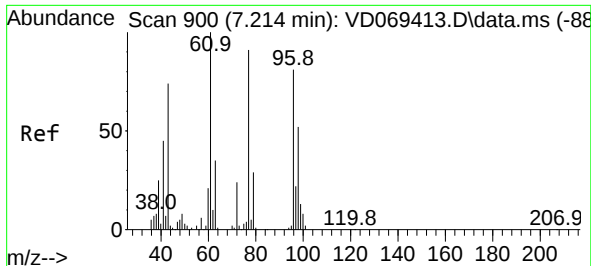
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#23
Vinyl Acetate
Concen: 17.592 ug/l
RT: 6.091 min Scan# 709
Delta R.T. -0.218 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

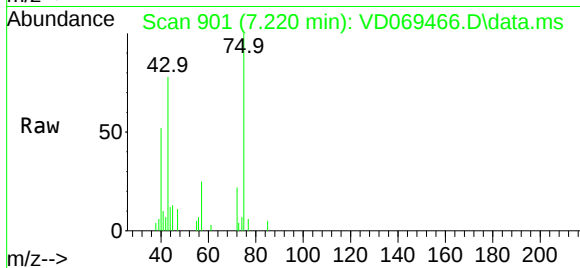
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
86 0.0 10.5 15.7#



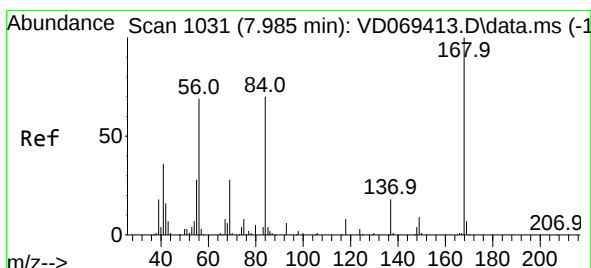
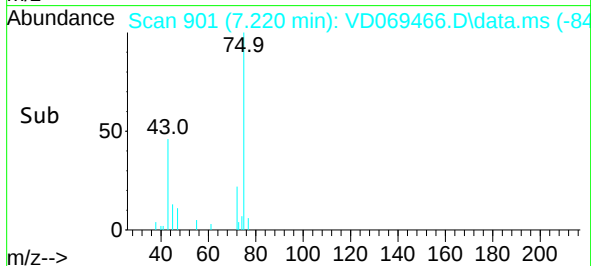
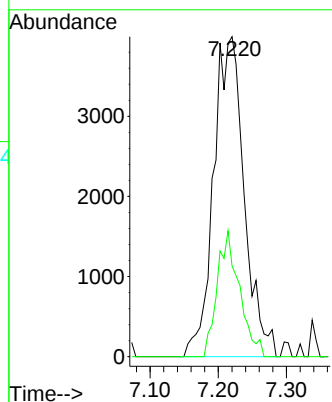


#25
2-Butanone
Concen: 21.370 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Instrument :
MSVOA_D
ClientSampled :

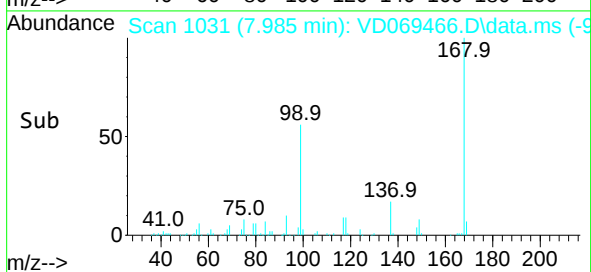
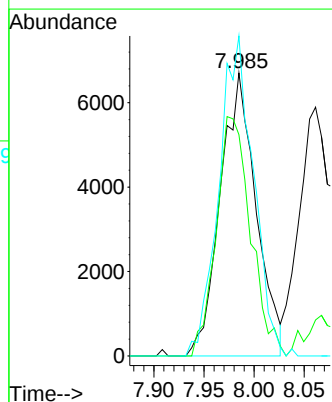
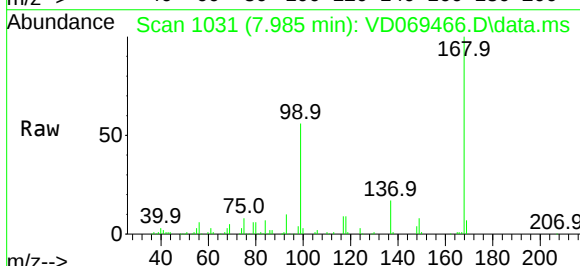


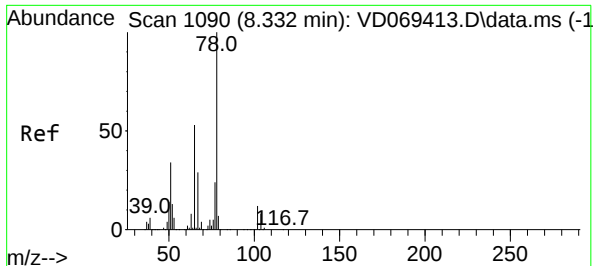
Tgt Ion: 43 Resp: 12506
Ion Ratio Lower Upper
43 100
72 28.4 23.9 35.9



#31
Cyclohexane
Concen: 4.318 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion: 56 Resp: 16636
Ion Ratio Lower Upper
56 100
69 78.2 29.0 43.4#
84 113.1 81.1 121.7



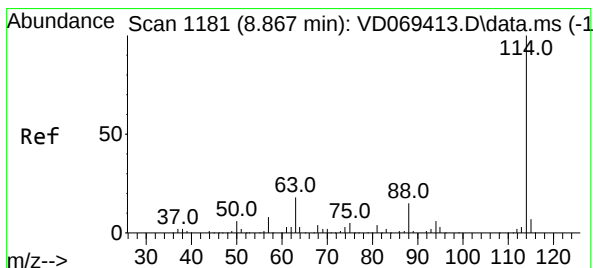
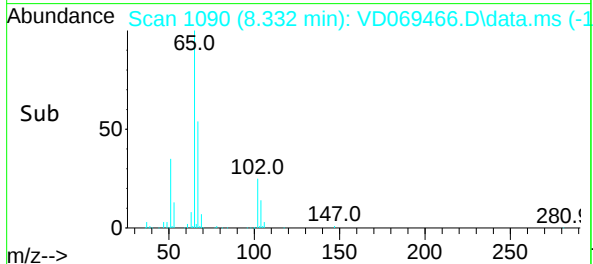
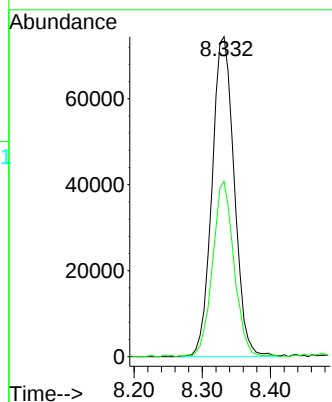
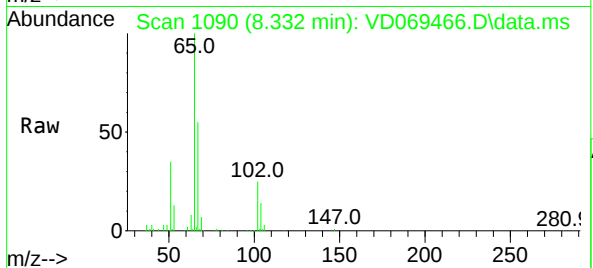


#33

1,2-Dichloroethane-d4
Concen: 59.552 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Instrument :
MSVOA_D
ClientSampled :

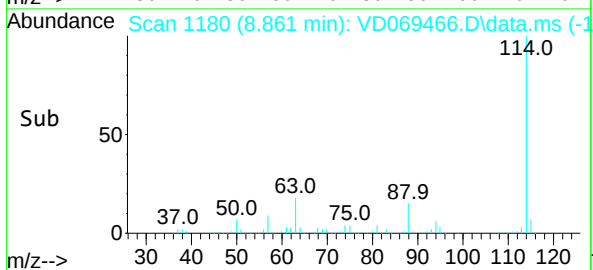
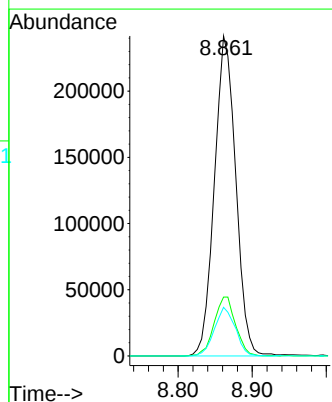
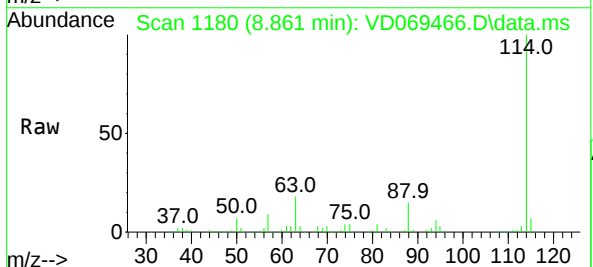
Tgt Ion: 65 Resp: 168848
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

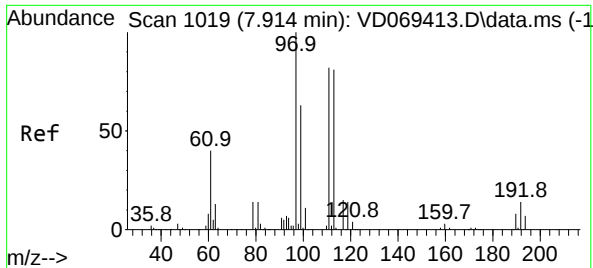


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion: 114 Resp: 483569
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.6
88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 38.041 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069466.D

Acq: 16 Jun 2021 14:53

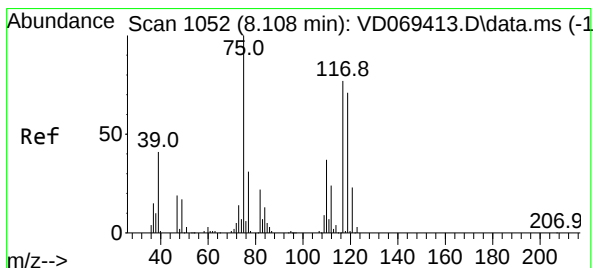
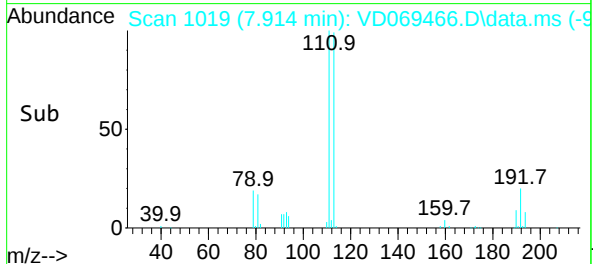
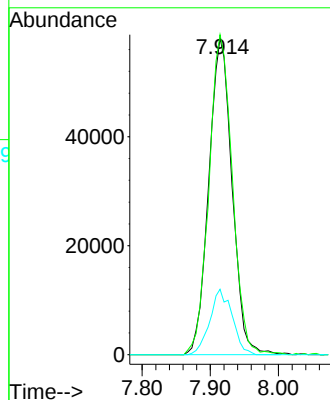
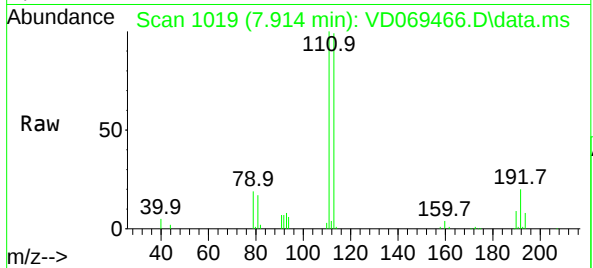
Tgt Ion:113 Resp: 137781

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.6

192 19.9 15.1 22.7



#36

1,1-Dichloropropene

Concen: 3.890 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069466.D

Acq: 16 Jun 2021 14:53

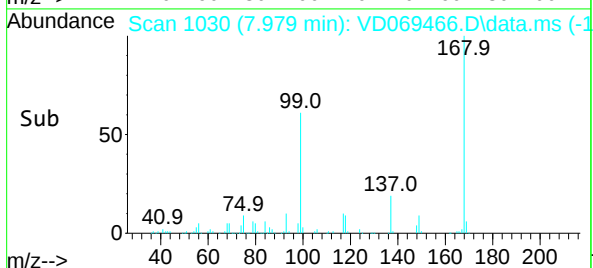
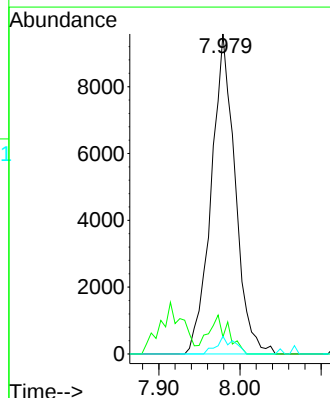
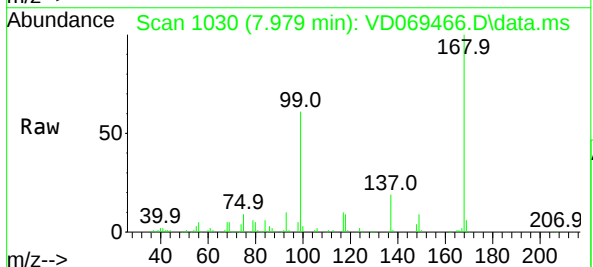
Tgt Ion: 75 Resp: 19589

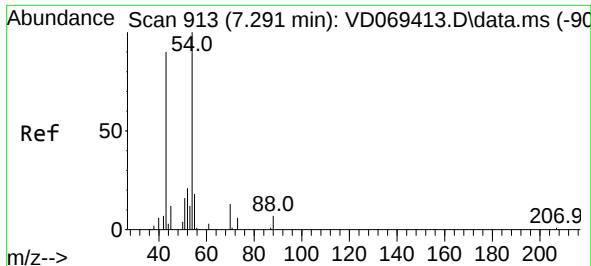
Ion Ratio Lower Upper

75 100

110 10.4 18.4 55.2#

77 4.1 24.9 37.3#





#37

Ethyl Acetate

Concen: 7.424 ug/l

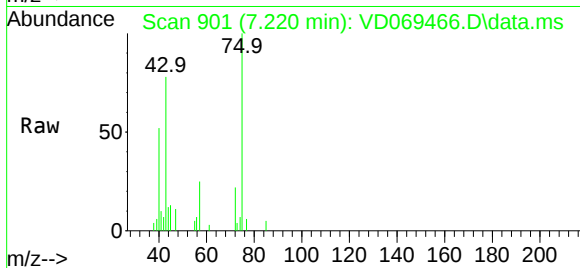
RT: 7.220 min Scan# 901

Delta R.T. -0.071 min

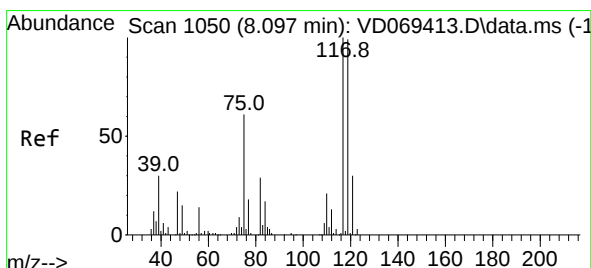
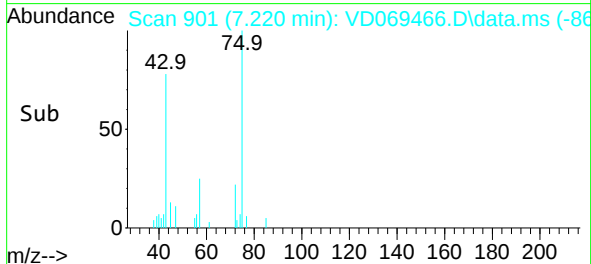
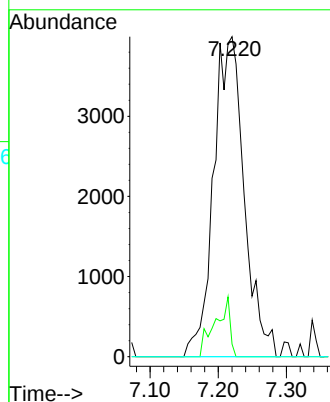
Lab File: VD069466.D

Acq: 16 Jun 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	43	Resp:	12506
Ion	Ratio	Lower	Upper
43	100		
61	9.2	11.0	16.6#
70	0.0	9.7	14.5#



#38

Carbon Tetrachloride

Concen: 4.523 ug/l

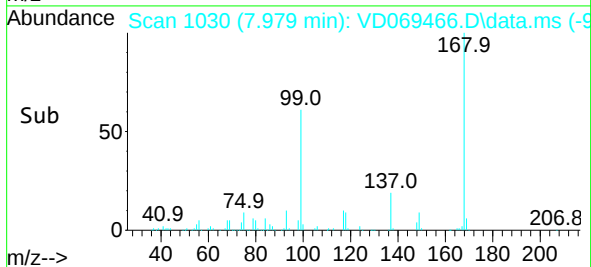
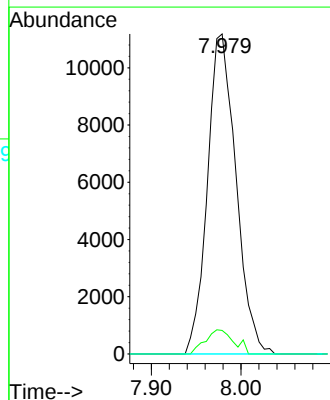
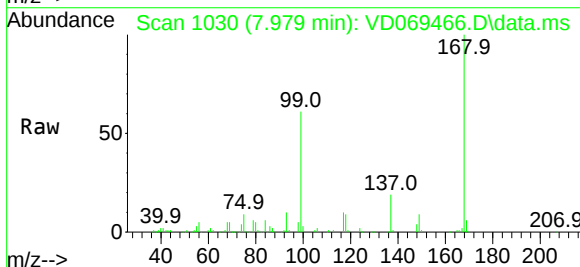
RT: 7.979 min Scan# 1030

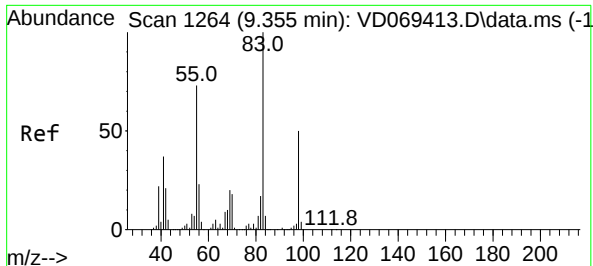
Delta R.T. -0.118 min

Lab File: VD069466.D

Acq: 16 Jun 2021 14:53

Tgt Ion:	117	Resp:	24673
Ion	Ratio	Lower	Upper
117	100		
119	7.3	79.4	119.2#
121	0.0	26.1	39.1#





#39

Methylcyclohexane

Concen: 11.972 ug/l

RT: 9.355 min Scan# 1264

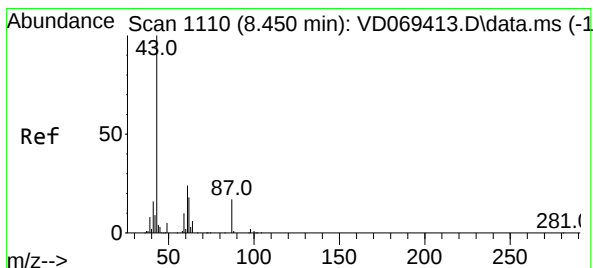
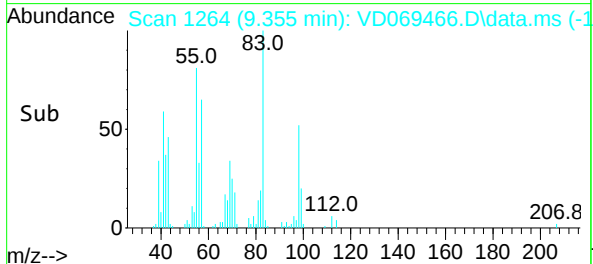
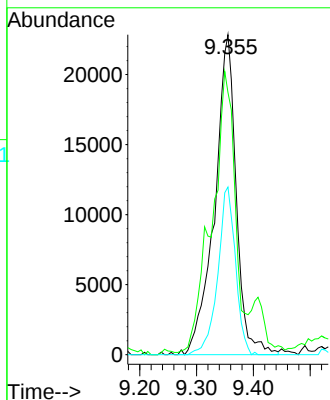
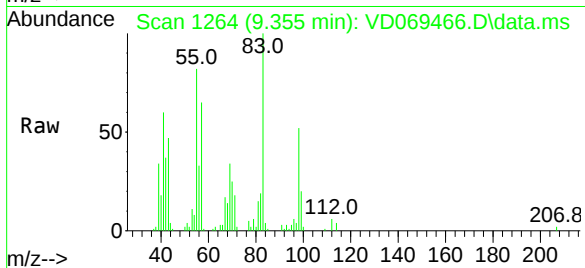
Delta R.T. 0.000 min

Lab File: VD069466.D

Acq: 16 Jun 2021 14:53

Tgt Ion: 83 Resp: 60638

Ion	Ratio	Lower	Upper
83	100		
55	81.3	57.4	86.2
98	52.4	42.2	63.2



#43

Isopropyl Acetate

Concen: 1.596 ug/l

RT: 8.449 min Scan# 1110

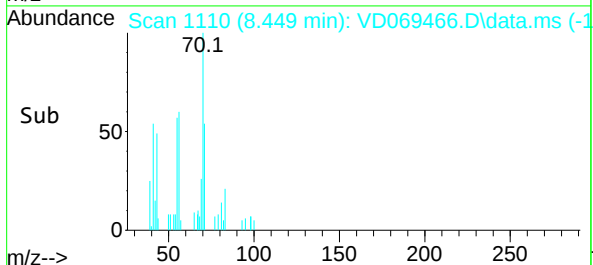
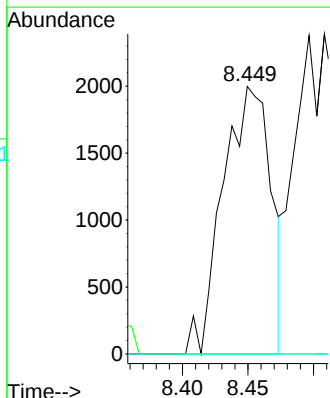
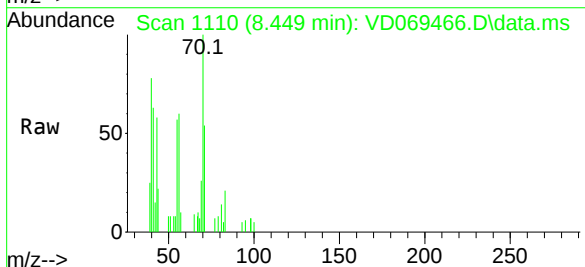
Delta R.T. -0.001 min

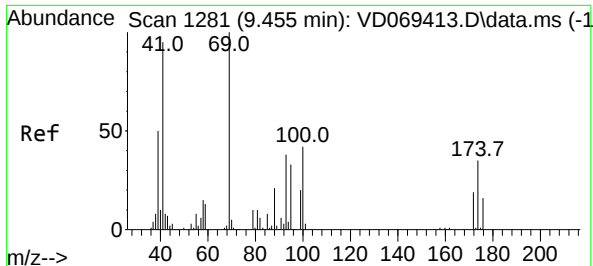
Lab File: VD069466.D

Acq: 16 Jun 2021 14:53

Tgt Ion: 43 Resp: 5084

Ion	Ratio	Lower	Upper
43	100		
61	0.0	29.0	43.6#
87	0.0	12.7	19.1#





#48

Methyl methacrylate

Concen: 1.865 ug/l

RT: 9.485 min Scan# 1286

Delta R.T. 0.030 min

Lab File: VD069466.D

Acq: 16 Jun 2021 14:53

Tgt Ion: 41 Resp: 2701

Ion Ratio Lower Upper

41 100

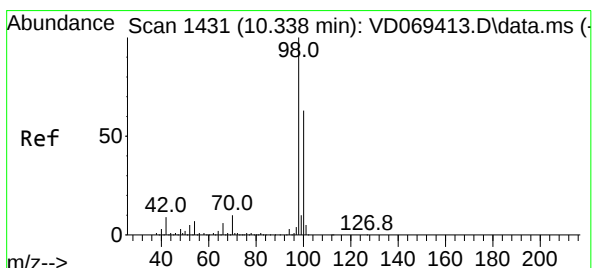
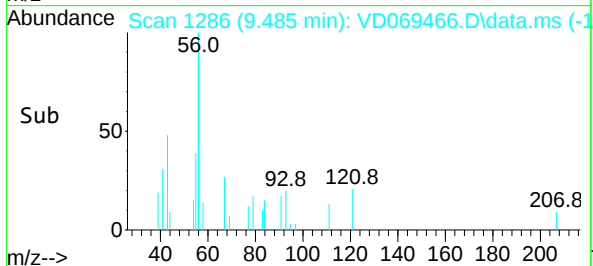
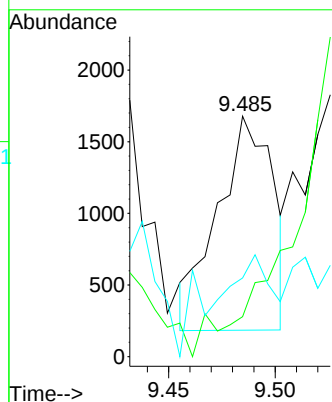
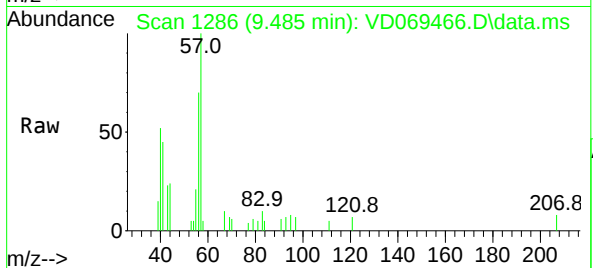
69 0.0 77.6 116.4#

39 51.4 45.3 67.9

Instrument :

MSVOA_D

ClientSampled :



#50

Toluene-d8

Concen: 51.626 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069466.D

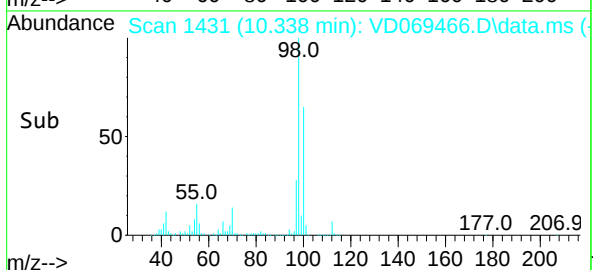
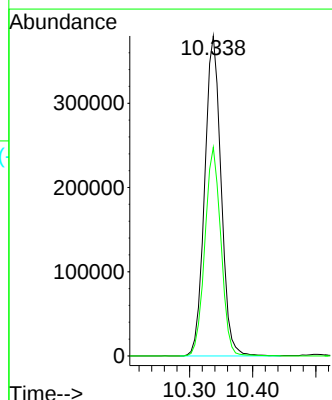
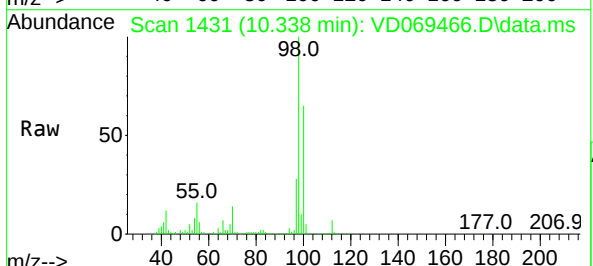
Acq: 16 Jun 2021 14:53

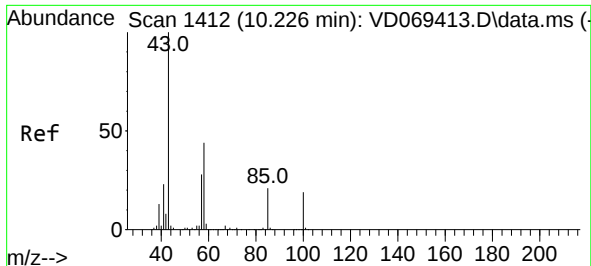
Tgt Ion: 98 Resp: 683903

Ion Ratio Lower Upper

98 100

100 63.8 52.1 78.1

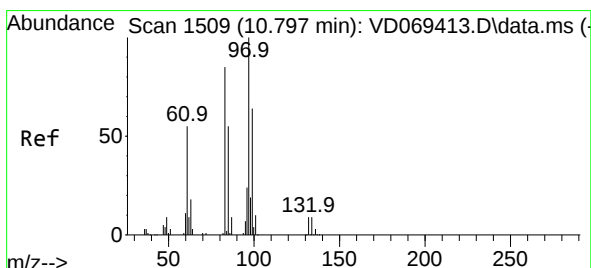
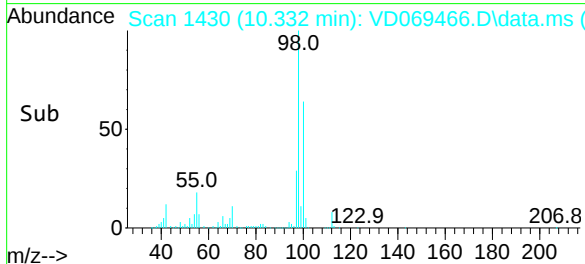
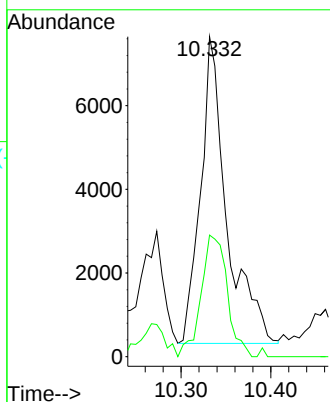
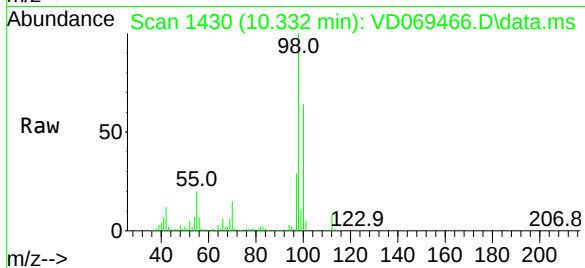




#51
4-Methyl-2-Pentanone
Concen: 9.185 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

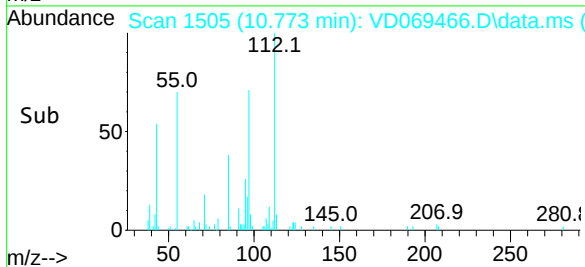
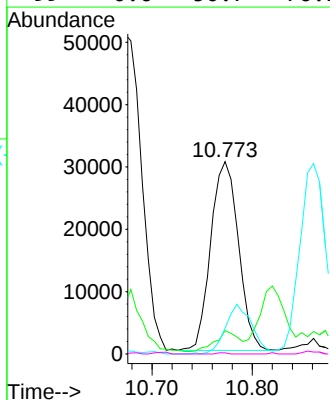
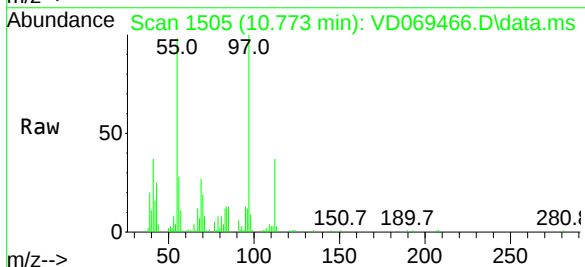
Instrument :
MSVOA_D
ClientSampled :

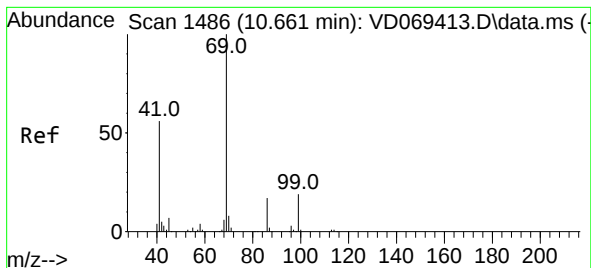
Tgt Ion: 43 Resp: 14928
Ion Ratio Lower Upper
43 100
58 39.2 35.1 52.7



#55
1,1,2-Trichloroethane
Concen: 20.581 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion: 97 Resp: 58315
Ion Ratio Lower Upper
97 100
83 10.3 69.4 104.0#
85 13.6 44.5 66.7#
99 0.6 50.7 76.1#

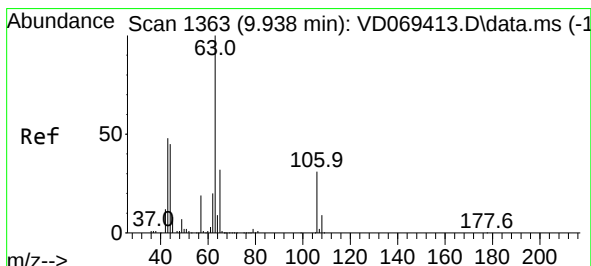
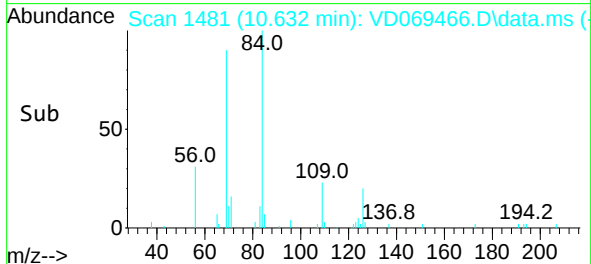
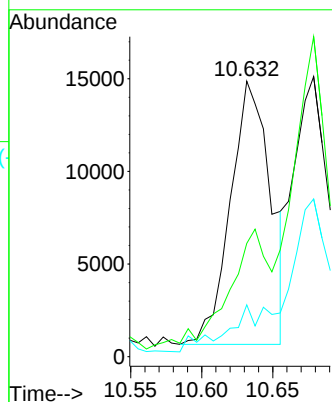
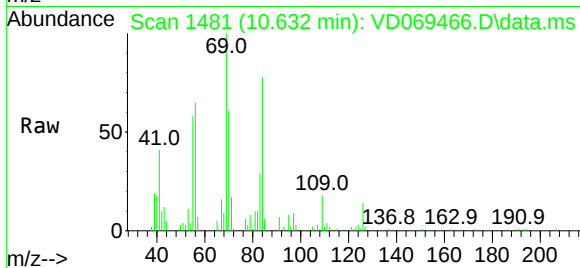




#56
Ethyl methacrylate
Concen: 10.955 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.029 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

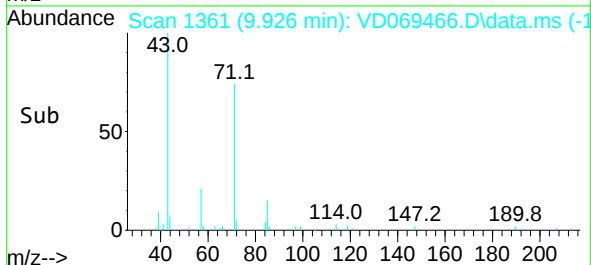
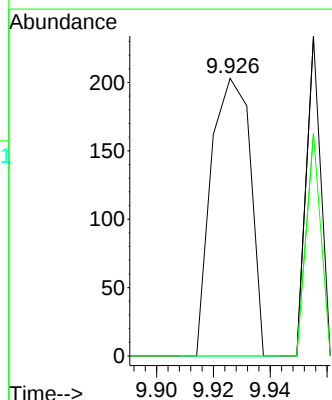
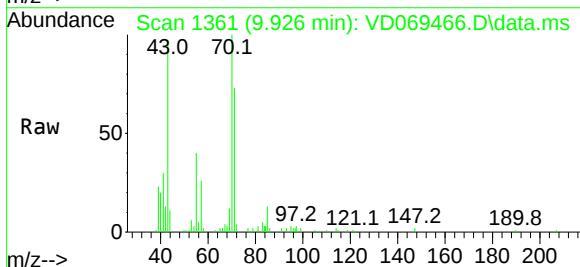
Instrument :
MSVOA_D
ClientSampleId :

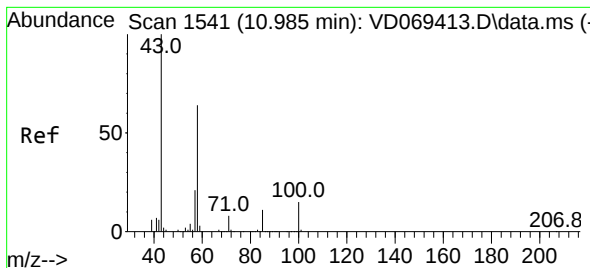
Tgt Ion: 69 Resp: 27884
Ion Ratio Lower Upper
69 100
41 46.5 45.4 68.2
39 12.8 21.7 32.5#



#58
2-Chloroethyl Vinyl ether
Concen: 12.053 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.012 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion: 63 Resp: 193
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#

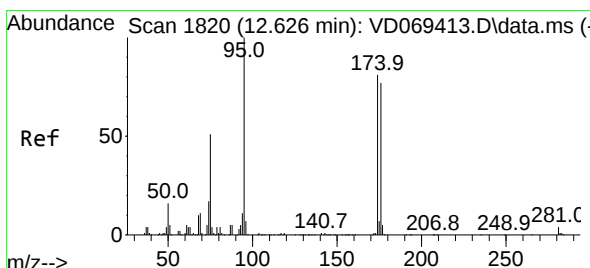
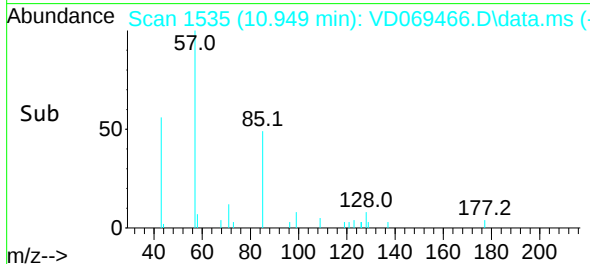
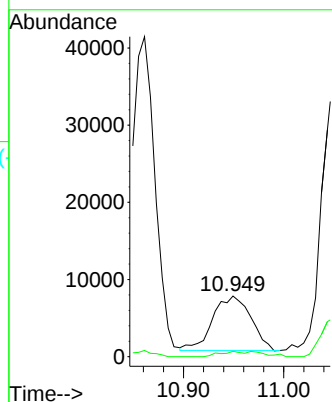
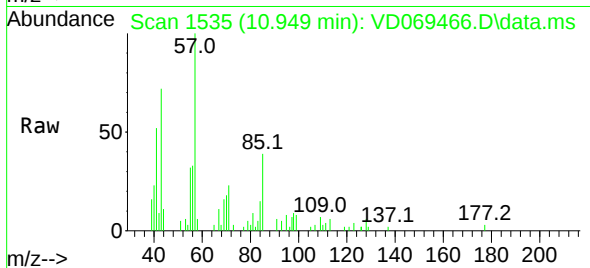




#59
2-Hexanone
Concen: 17.261 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.036 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

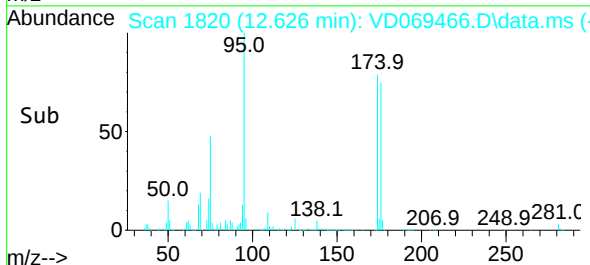
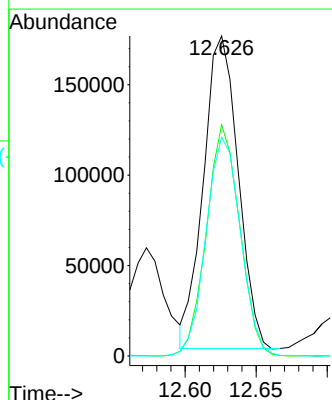
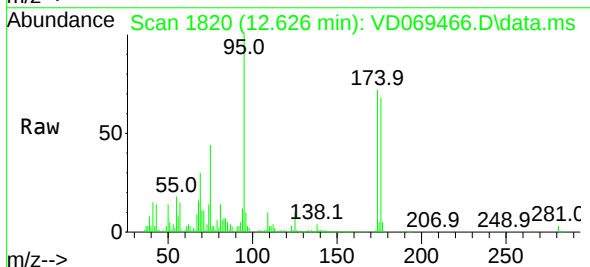
Instrument :
MSVOA_D
ClientSampleId :

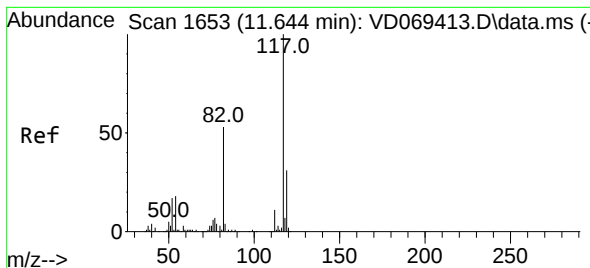
Tgt Ion: 43 Resp: 18725
Ion Ratio Lower Upper
43 100
58 5.9 30.8 92.3#



#62
4-Bromofluorobenzene
Concen: 69.111 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion: 95 Resp: 293760
Ion Ratio Lower Upper
95 100
174 70.9 0.0 162.8
176 69.8 0.0 154.4

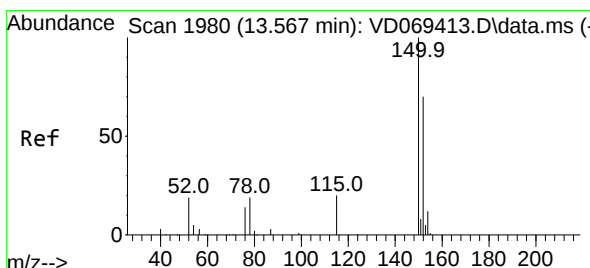
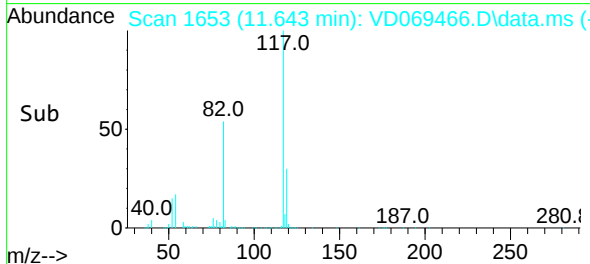
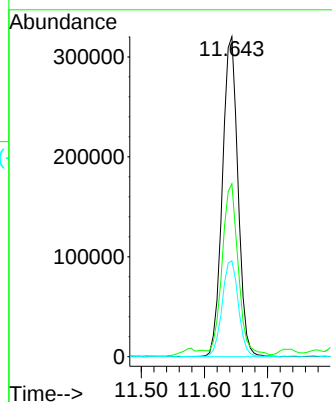
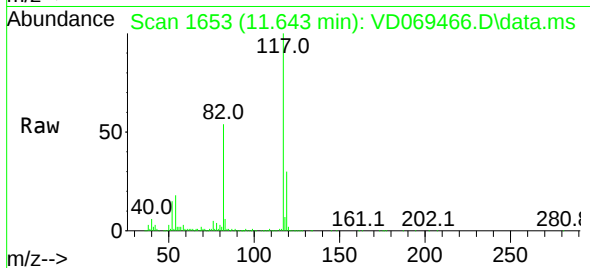




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

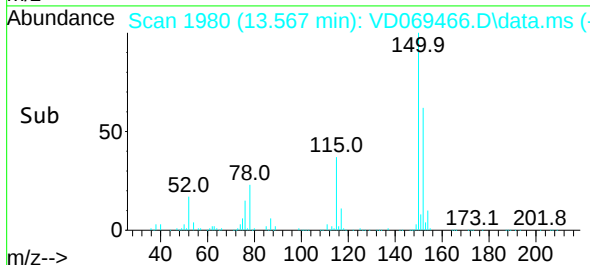
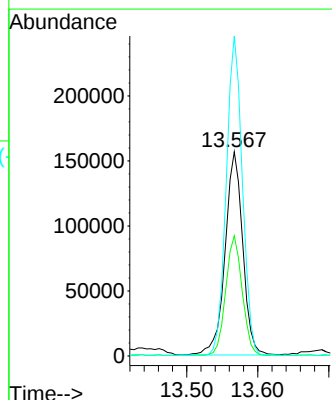
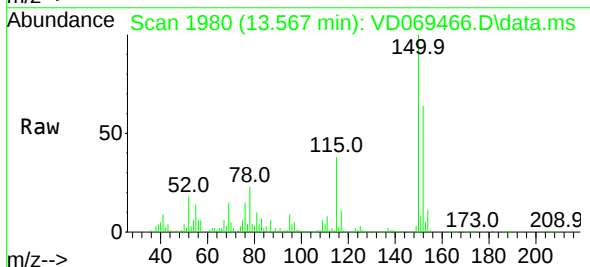
Instrument :
MSVOA_D
ClientSampleId :

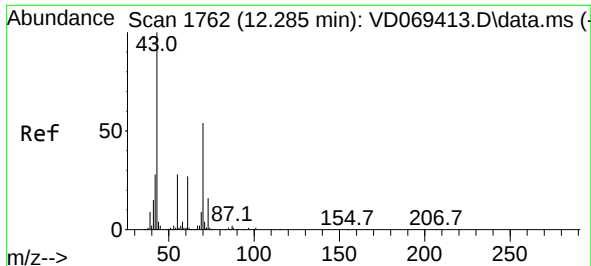
Tgt Ion:117 Resp: 550256
Ion Ratio Lower Upper
117 100
82 52.8 43.3 64.9
119 29.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion:152 Resp: 269766
Ion Ratio Lower Upper
152 100
115 54.8 29.4 88.3
150 143.6 0.0 355.0

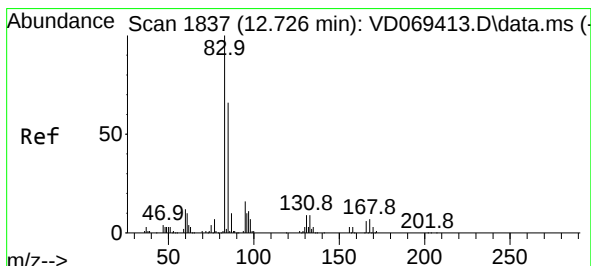
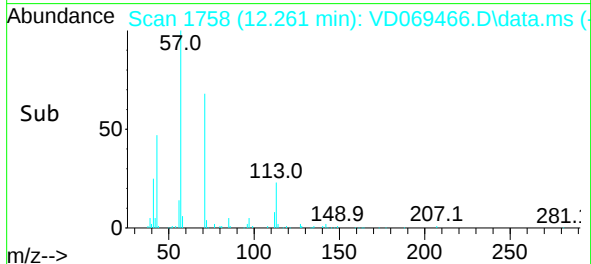
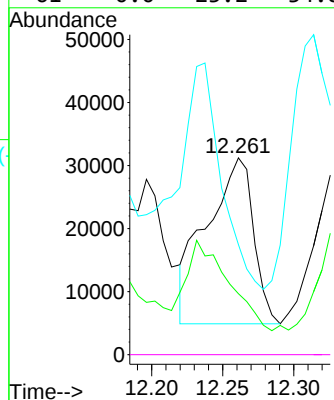
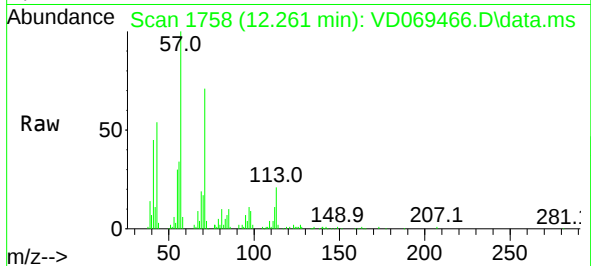




#74
N-amy1 acetate
Concen: 17.814 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.024 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

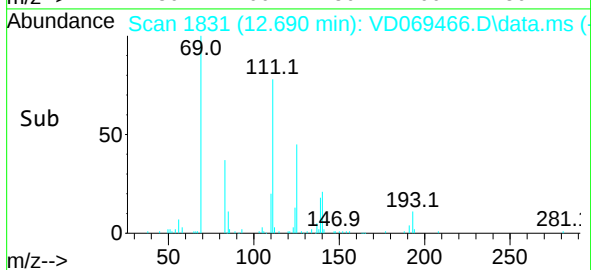
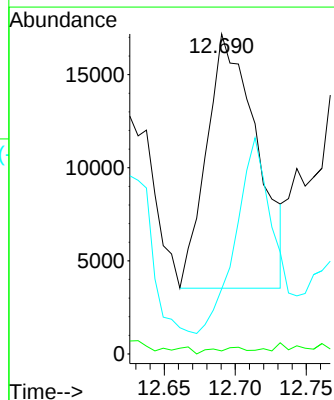
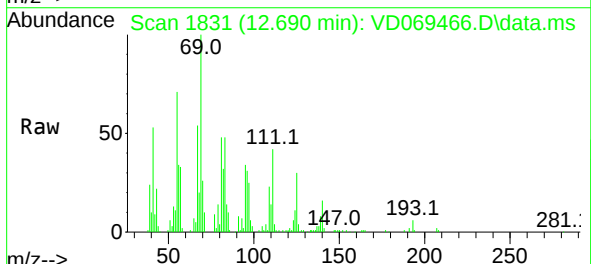
Instrument :
MSVOA_D
ClientSampleId :

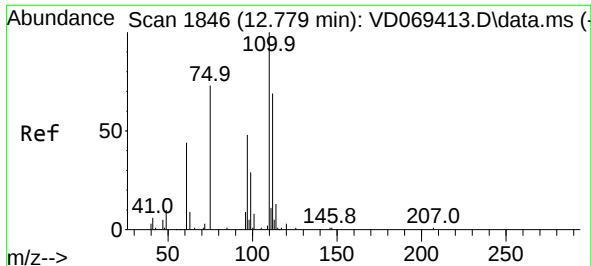
Tgt Ion: 43 Resp: 60610
Ion Ratio Lower Upper
43 100
70 0.0 40.9 61.3#
55 0.0 23.4 35.0#
61 0.0 23.2 34.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 9.165 ug/l
RT: 12.690 min Scan# 1831
Delta R.T. -0.036 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Tgt Ion: 83 Resp: 33374
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 0.0 32.6 98.0#

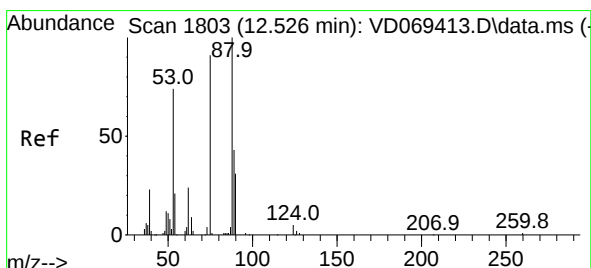
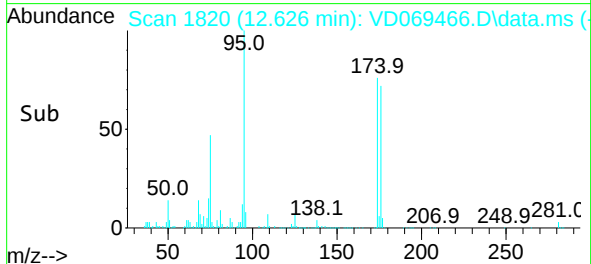
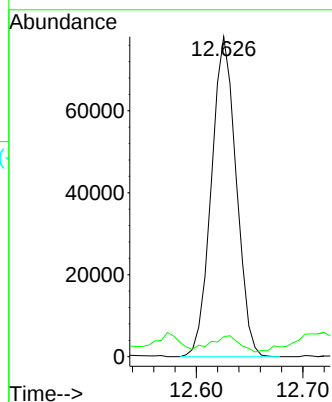
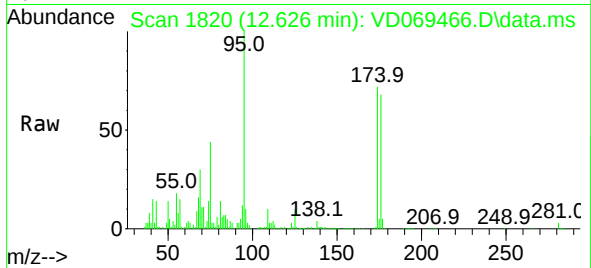




#76
1,2,3-Trichloropropane
Concen: 46.311 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

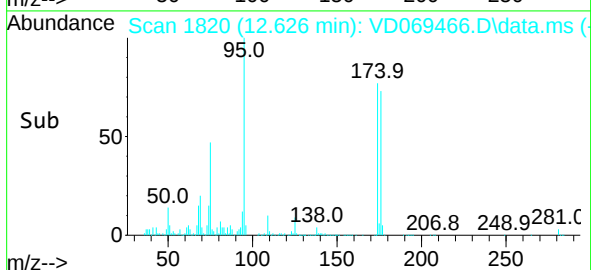
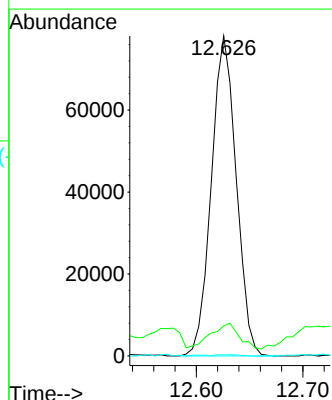
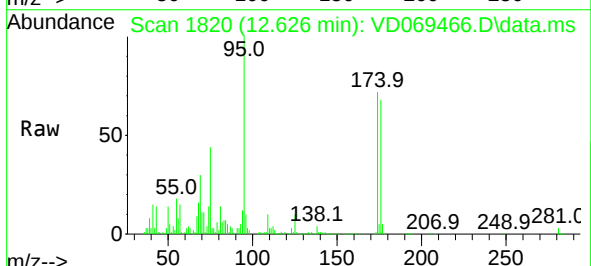
Instrument :
MSVOA_D
ClientSampleId :

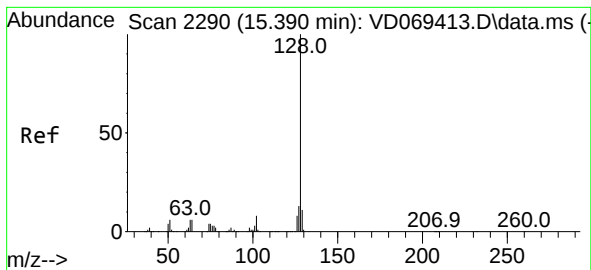
Tgt Ion: 75 Resp: 126659
Ion Ratio Lower Upper
75 100
77 5.8 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.545 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

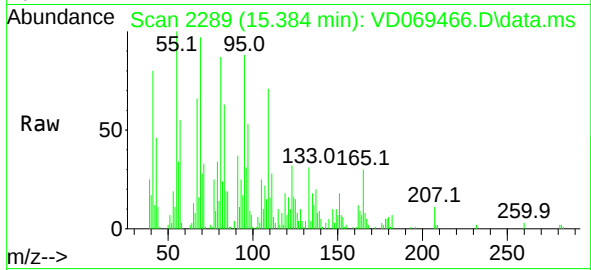
Tgt Ion: 75 Resp: 126659
Ion Ratio Lower Upper
75 100
53 9.0 62.6 94.0#
89 0.4 35.6 53.4#





#95
Naphthalene
Concen: 3.653 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069466.D
Acq: 16 Jun 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 831
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

