

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069461.D
 Acq On : 16 Jun 2021 12:32
 Operator : VA/SY
 Sample : M2709-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 17 02:47:34 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)

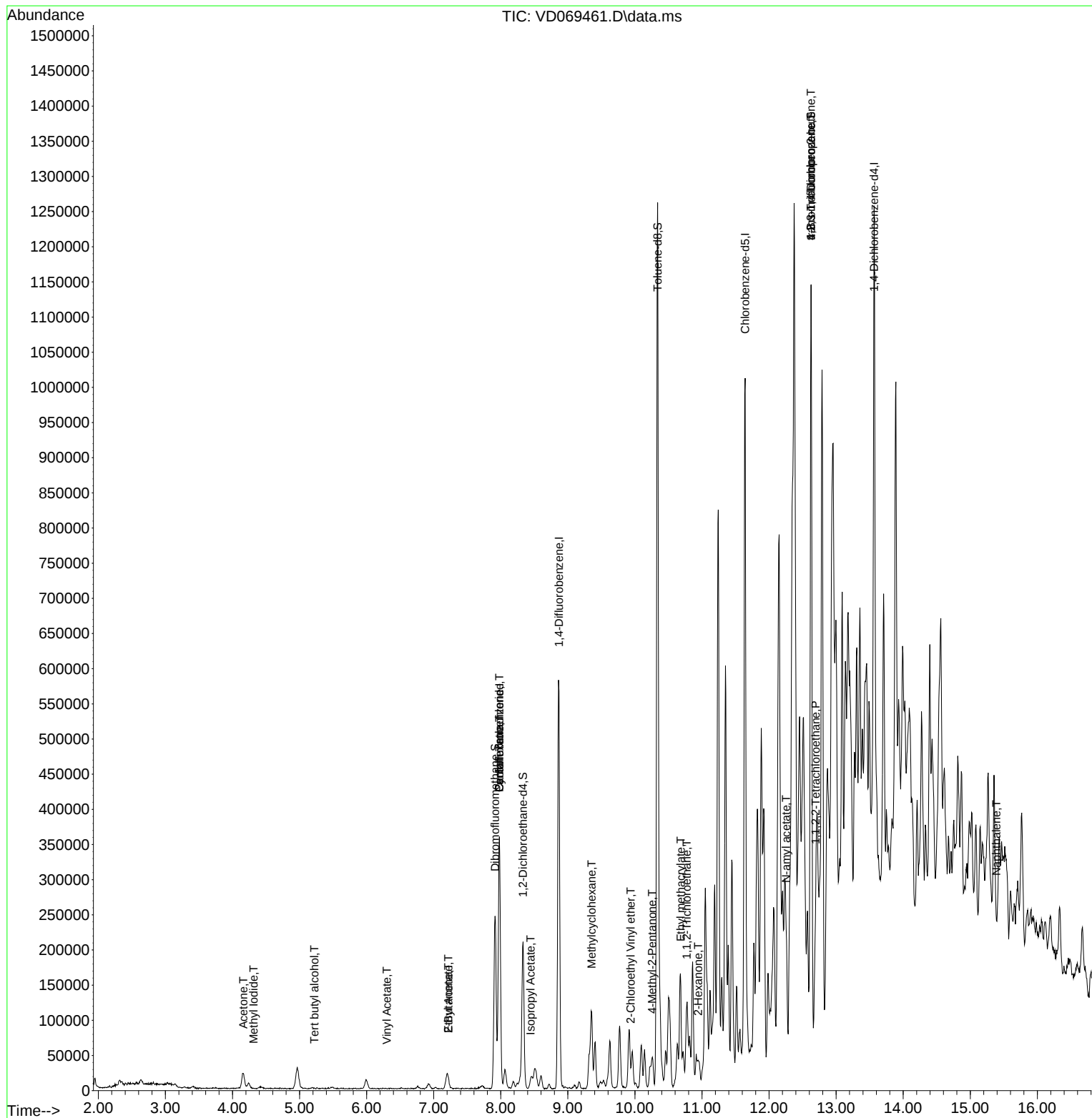
Internal Standards						
1) Pentafluorobenzene	7.979	168	259704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	521140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	586799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	271360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	167376	57.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.260%
35) Dibromofluoromethane	7.914	113	180928	46.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.700%
50) Toluene-d8	10.338	98	738659	51.740	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.626	95	282984	61.777	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	671	Below Cal	#	46
10) Methyl Iodide	4.314	142	330	3.433	ug/l #	39
11) Tert butyl alcohol	5.220	59	1005	6.598	ug/l #	73
16) Acetone	4.161	43	38914	80.241	ug/l	100
18) Methyl Acetate	4.703	43	69	Below Cal	#	46
20) Methylene Chloride	4.979	84	22420	Below Cal	#	90
23) Vinyl Acetate	6.303	43	109	17.602	ug/l #	67
25) 2-Butanone	7.220	43	12644	20.909	ug/l	96
31) Cyclohexane	7.979	56	9188	2.308	ug/l #	62
37) Ethyl Acetate	7.220	43	12644	6.964	ug/l #	68
38) Carbon Tetrachloride	7.979	117	27287	4.642	ug/l #	14
39) Methylcyclohexane	9.355	83	32736	5.997	ug/l #	85
43) Isopropyl Acetate	8.444	43	5197	1.514	ug/l #	46
51) 4-Methyl-2-Pentanone	10.255	43	3020	1.724	ug/l	91
55) 1,1,2-Trichloroethane	10.773	97	38720	12.680	ug/l #	24
56) Ethyl methacrylate	10.685	69	16206	7.209	ug/l #	7
58) 2-Chloroethyl Vinyl ether	9.938	63	169	12.032	ug/l #	44
59) 2-Hexanone	10.943	43	12317	10.535	ug/l #	30
74) N-amyl acetate	12.255	43	43874	12.819	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.696	83	25338	6.918	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	130031	47.265	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	130031	126.089	ug/l #	23
95) Naphthalene	15.390	128	3405	3.907	ug/l #	60

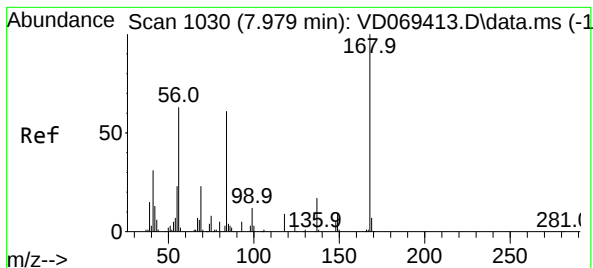
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 17 02:47:34 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

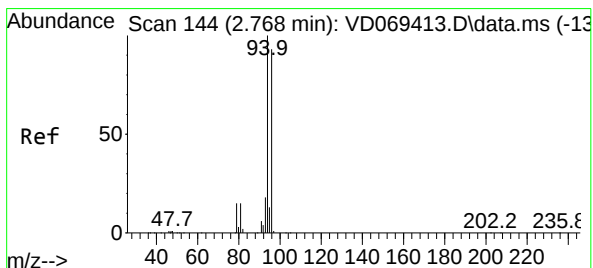
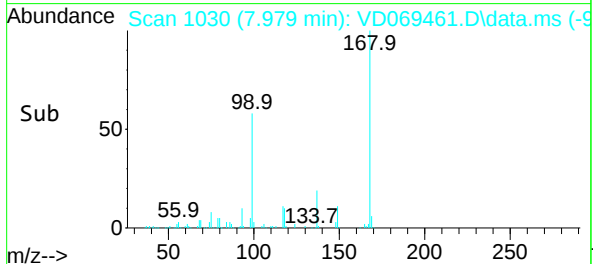
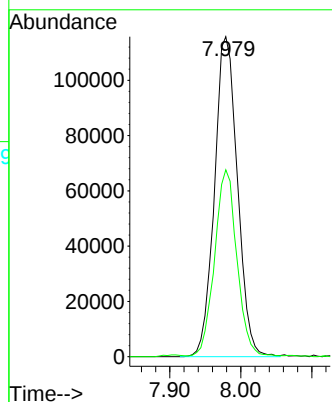
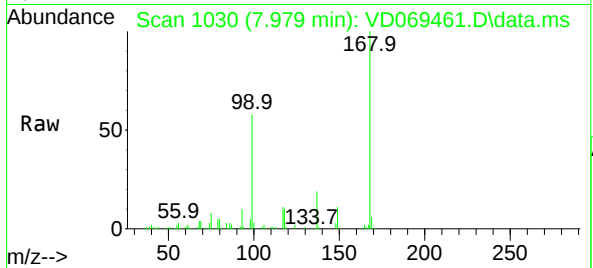




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

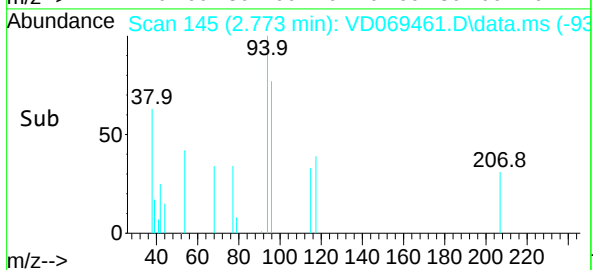
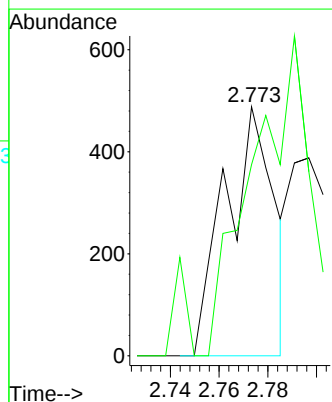
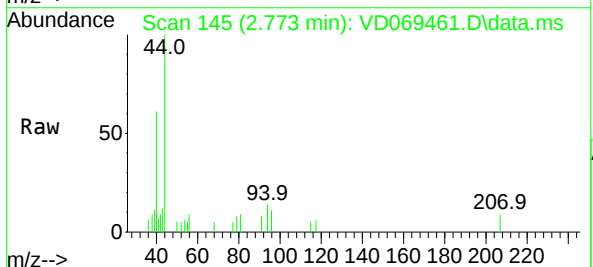
Instrument :
MSVOA_D
ClientSampled :

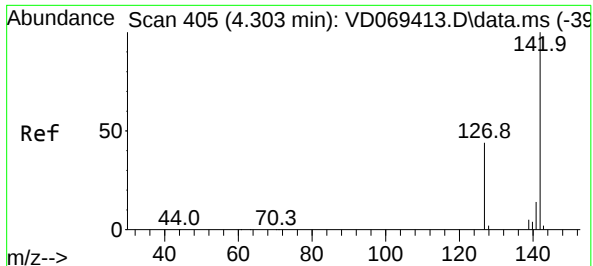
Tgt Ion:168 Resp: 259704
Ion Ratio Lower Upper
168 100
99 58.1 46.2 69.2



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

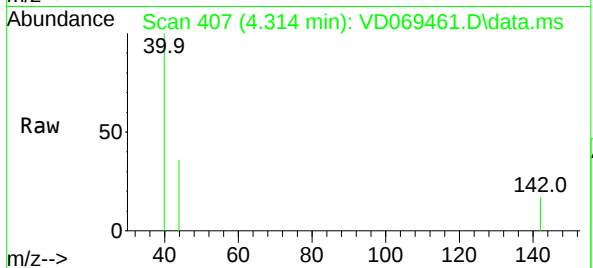
Tgt Ion: 94 Resp: 671
Ion Ratio Lower Upper
94 100
96 37.3 70.3 105.5#



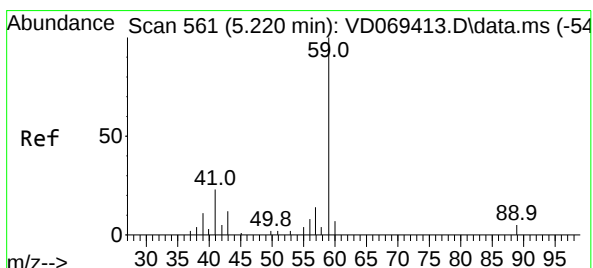
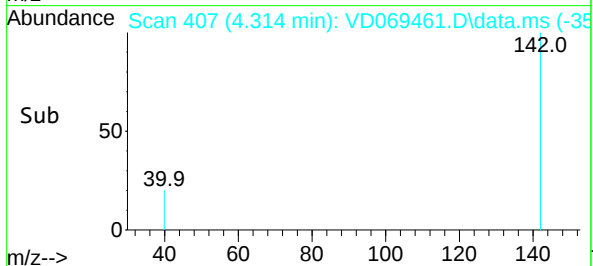
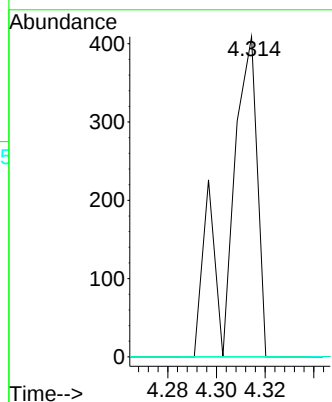


#10
Methyl Iodide
Concen: 3.433 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Instrument :
MSVOA_D
ClientSampleId :

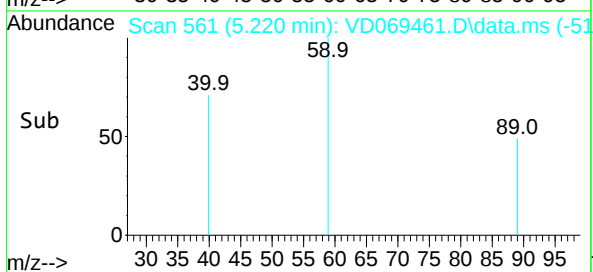
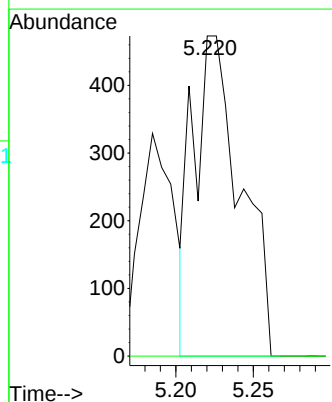
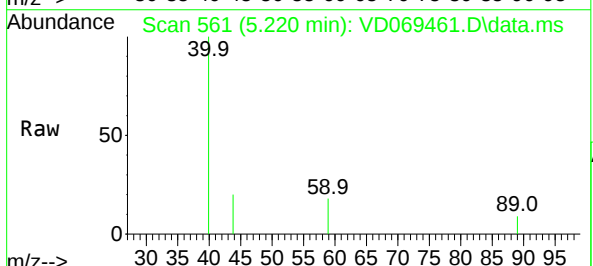


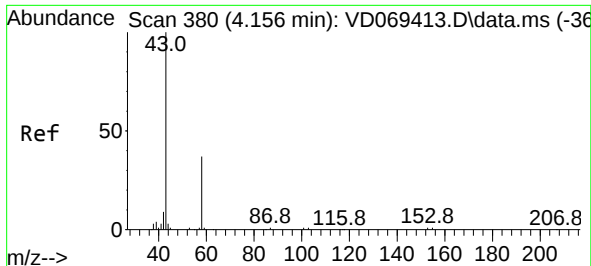
Tgt Ion:142 Resp: 330
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: 6.598 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Tgt Ion: 59 Resp: 1005
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

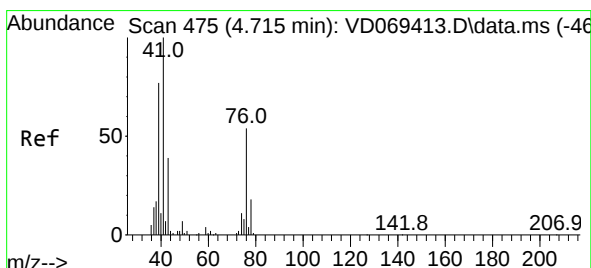
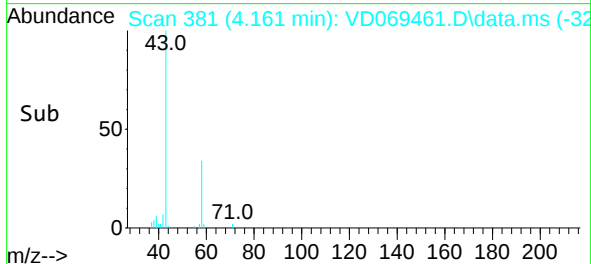
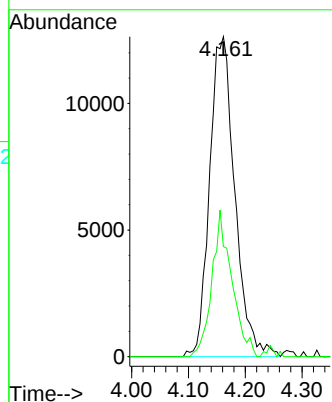
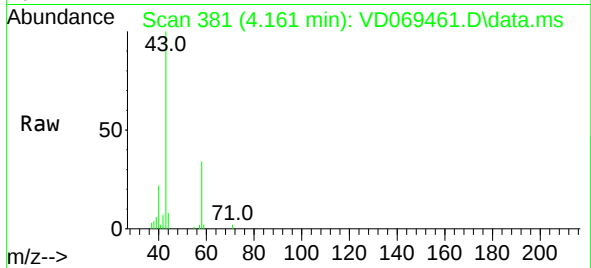




#16
Acetone
Concen: 80.241 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

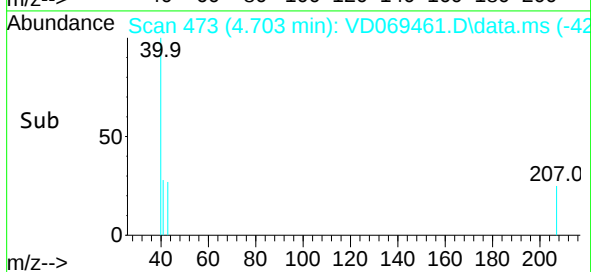
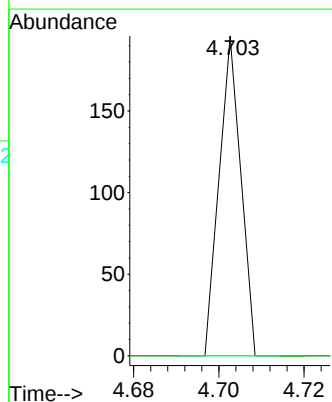
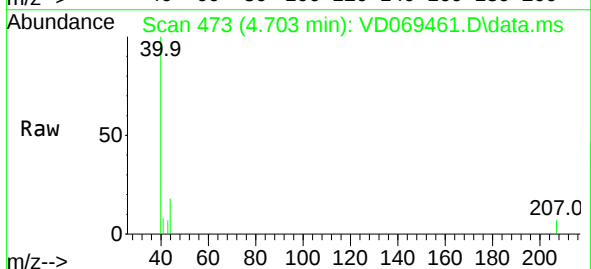
Instrument :
MSVOA_D
ClientSampled :

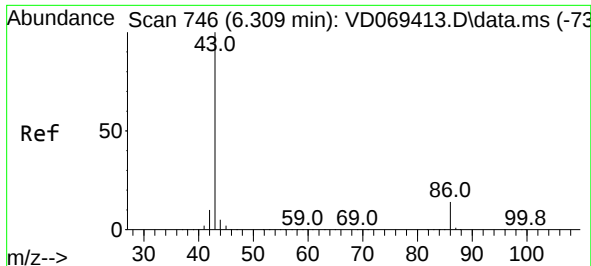
Tgt Ion: 43 Resp: 38914
Ion Ratio Lower Upper
43 100
58 34.4 27.5 41.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.012 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#

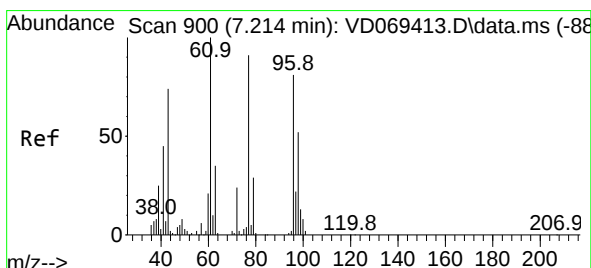
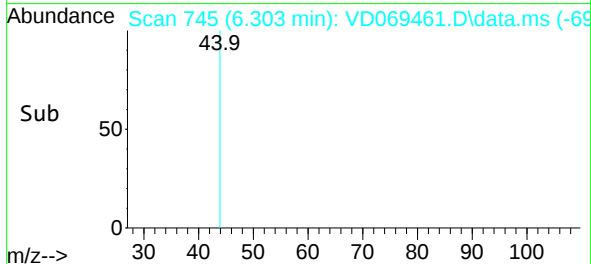
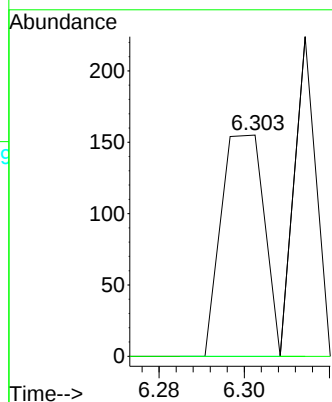
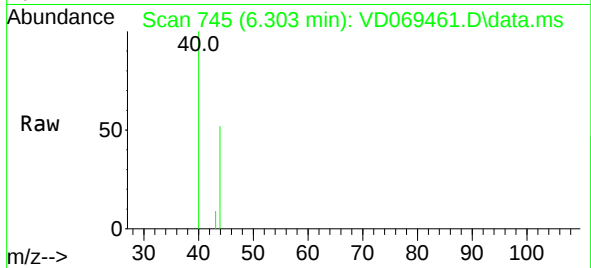




#23
 Vinyl Acetate
 Concen: 17.602 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD069461.D
 Acq: 16 Jun 2021 12:32

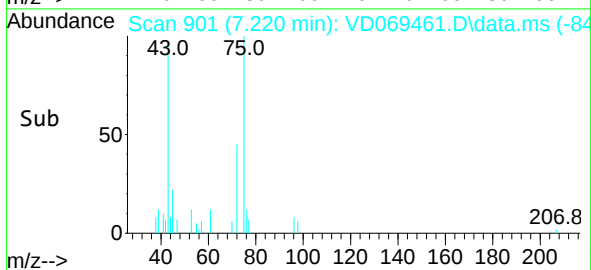
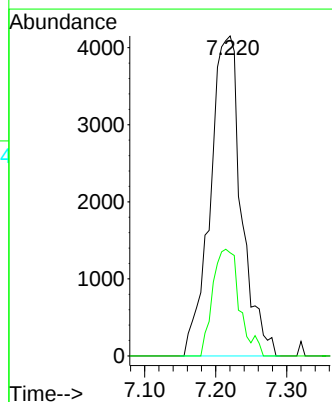
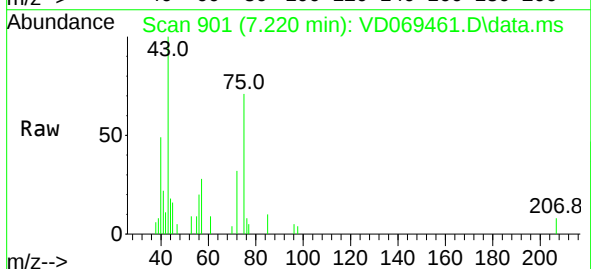
Instrument :
 MSVOA_D
 ClientSampleId :

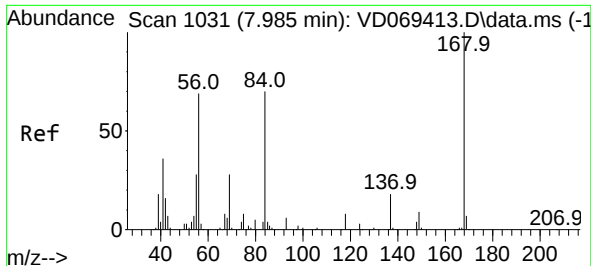
Tgt Ion: 43 Resp: 109
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 20.909 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069461.D
 Acq: 16 Jun 2021 12:32

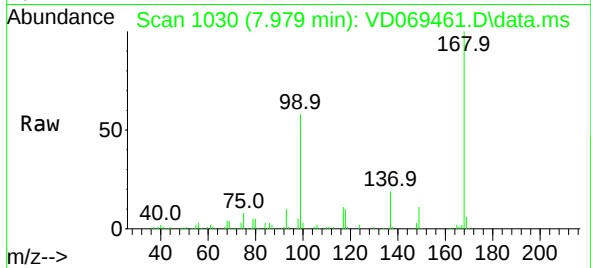
Tgt Ion: 43 Resp: 12644
 Ion Ratio Lower Upper
 43 100
 72 32.2 23.9 35.9



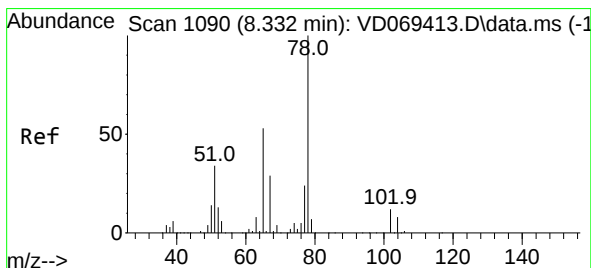
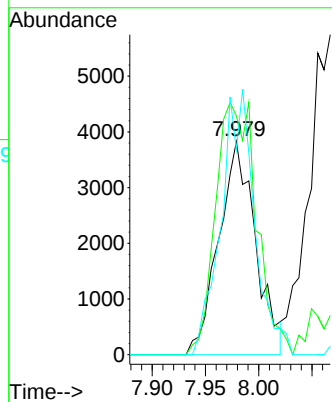
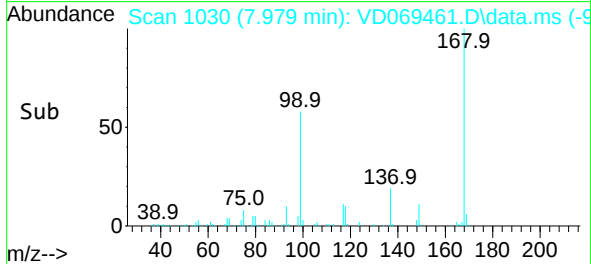


#31
Cyclohexane
Concen: 2.308 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

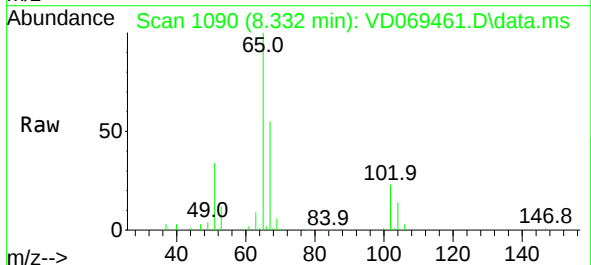
Instrument :
MSVOA_D
ClientSampleId :



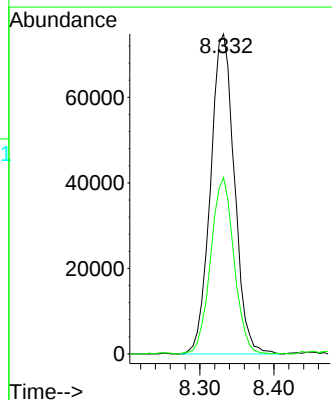
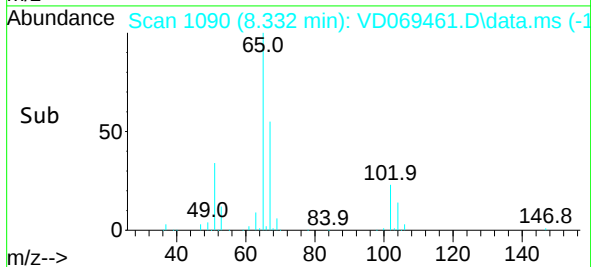
Tgt Ion: 56 Resp: 9188
Ion Ratio Lower Upper
56 100
69 111.9 29.0 43.4#
84 96.0 81.1 121.7

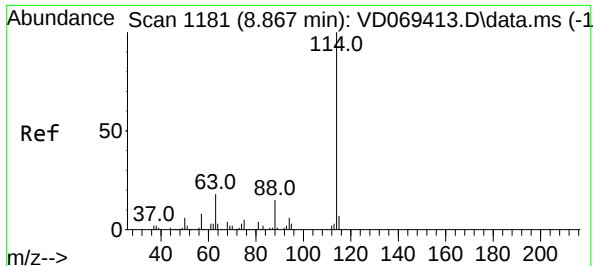


#33
1,2-Dichloroethane-d4
Concen: 57.127 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32



Tgt Ion: 65 Resp: 167376
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8



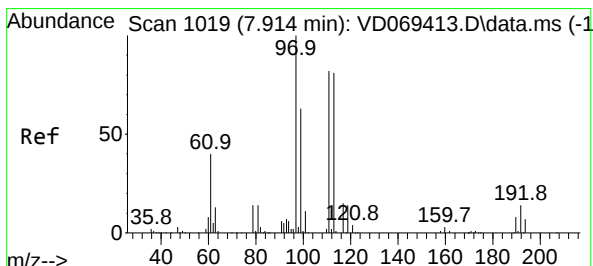
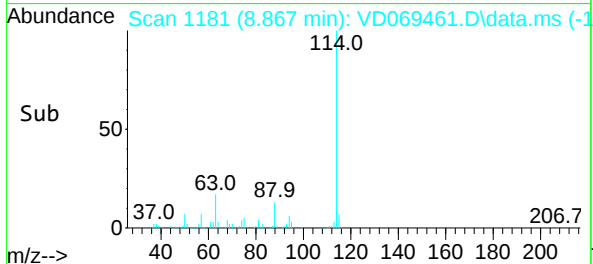
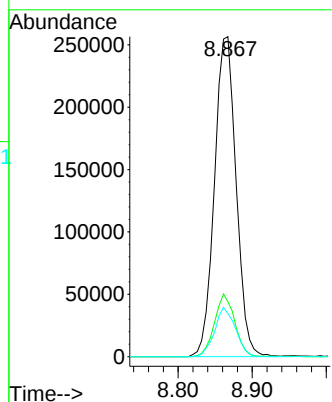
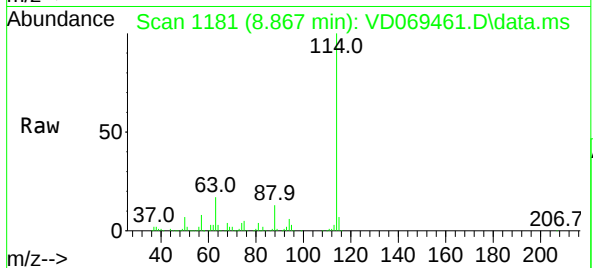


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Instrument :
MSVOA_D
ClientSampleId :

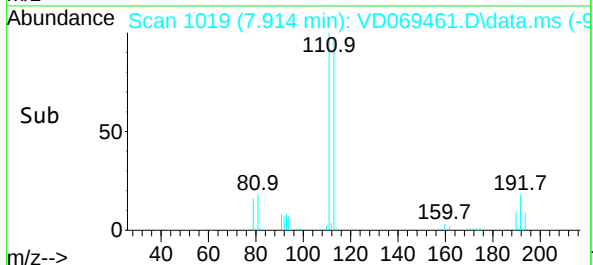
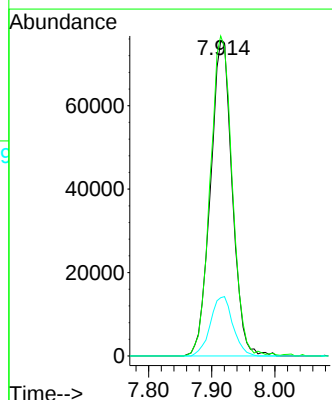
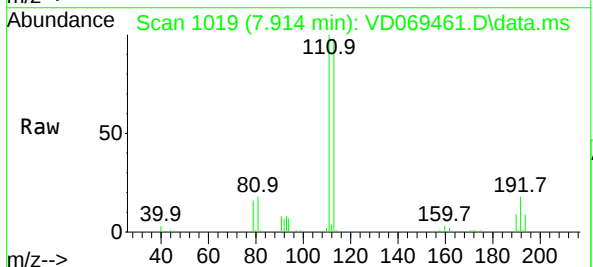
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	35.6
88	13.5	0.0	31.2

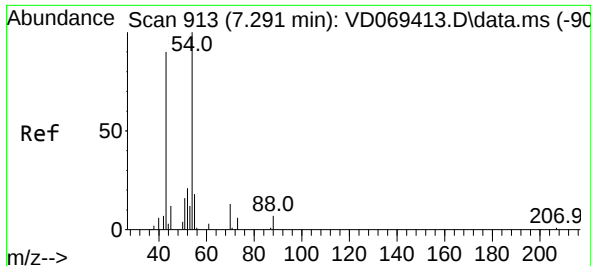


#35

Dibromofluoromethane
Concen: 46.352 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

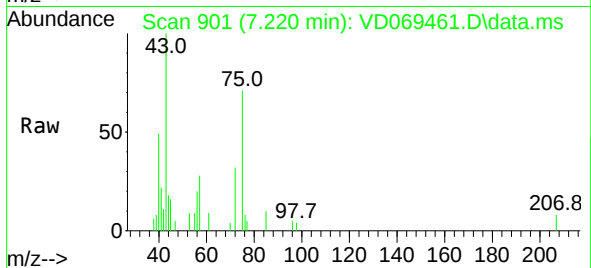
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.0	124.6
192	19.4	15.1	22.7



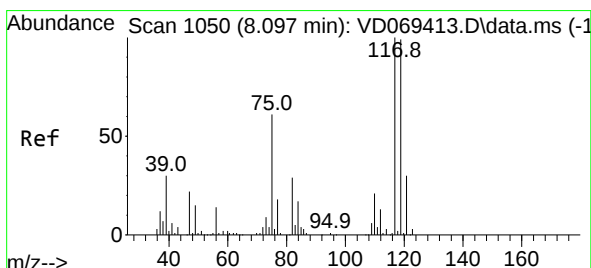
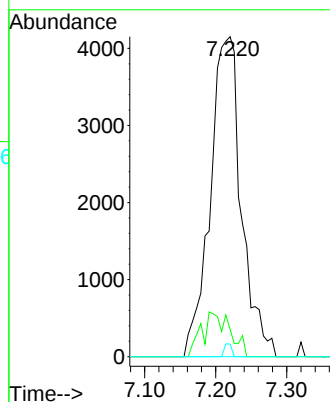
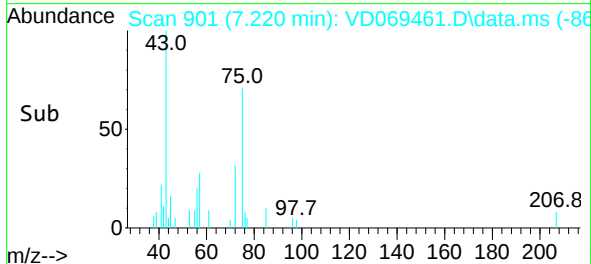


#37
Ethyl Acetate
Concen: 6.964 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

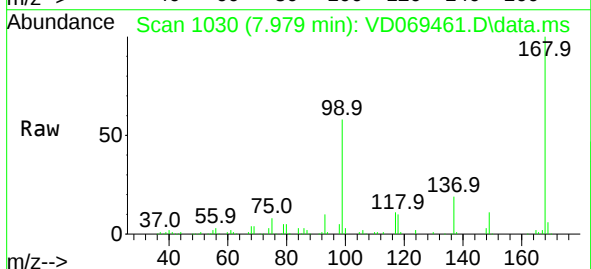
Instrument :
MSVOA_D
ClientSampleId :



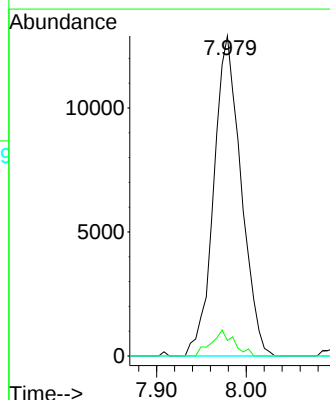
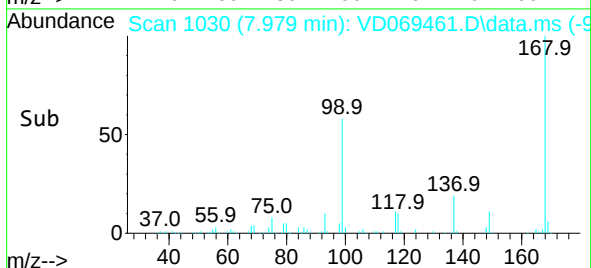
Tgt Ion: 43 Resp: 12644
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.9 9.7 14.5#

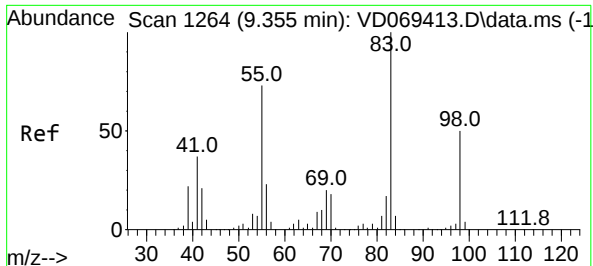


#38
Carbon Tetrachloride
Concen: 4.642 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32



Tgt Ion: 117 Resp: 27287
Ion Ratio Lower Upper
117 100
119 4.9 79.4 119.2#
121 0.0 26.1 39.1#





#39

Methylcyclohexane

Concen: 5.997 ug/l

RT: 9.355 min Scan# 1264

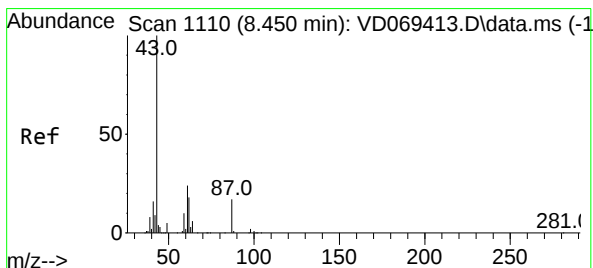
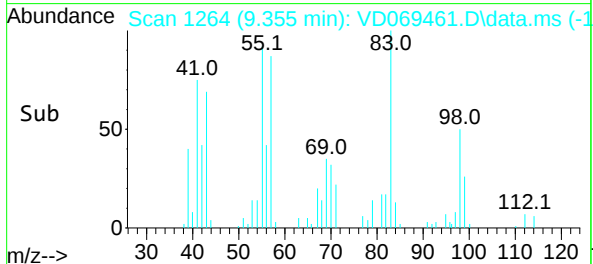
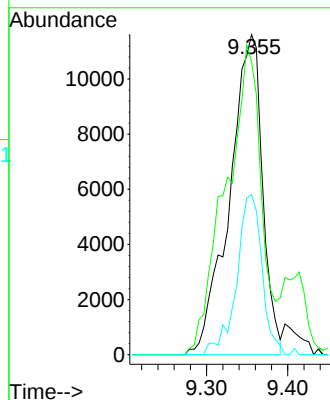
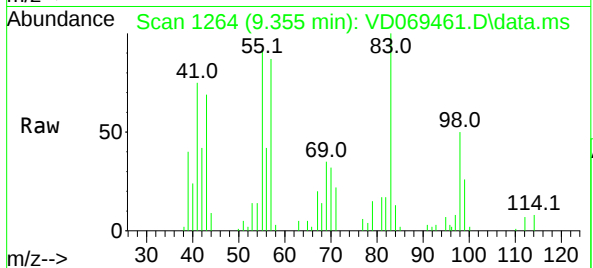
Delta R.T. 0.000 min

Lab File: VD069461.D

Acq: 16 Jun 2021 12:32

Tgt Ion: 83 Resp: 32736

Ion	Ratio	Lower	Upper
83	100		
55	91.6	57.4	86.2#
98	50.0	42.2	63.2



#43

Isopropyl Acetate

Concen: 1.514 ug/l

RT: 8.444 min Scan# 1109

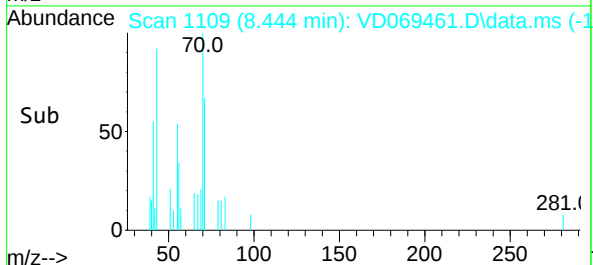
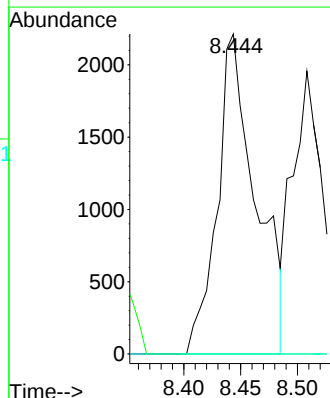
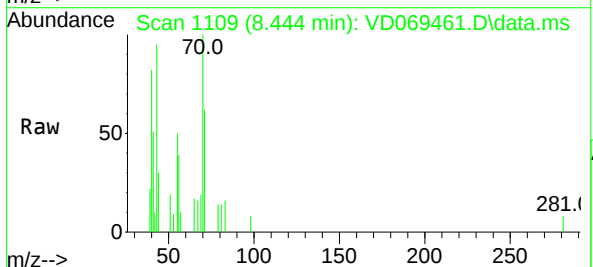
Delta R.T. -0.006 min

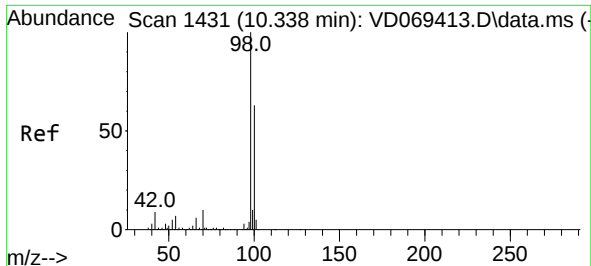
Lab File: VD069461.D

Acq: 16 Jun 2021 12:32

Tgt Ion: 43 Resp: 5197

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

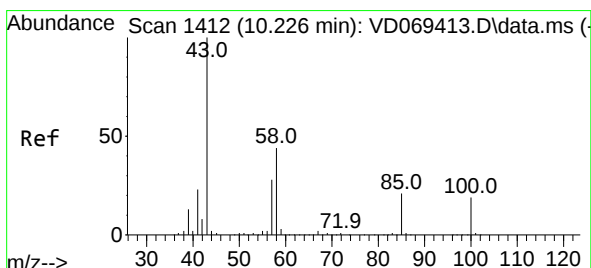
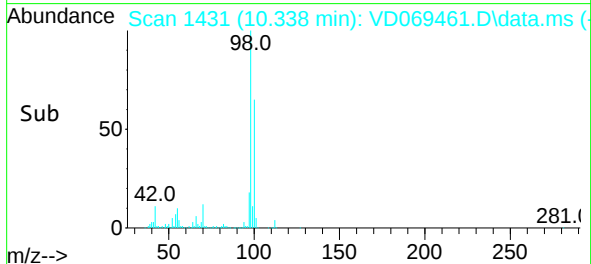
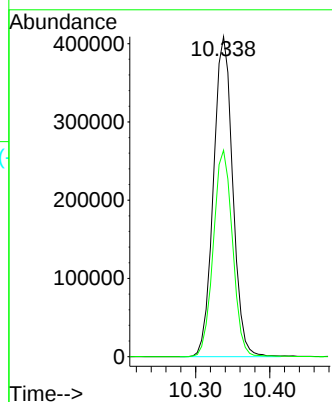
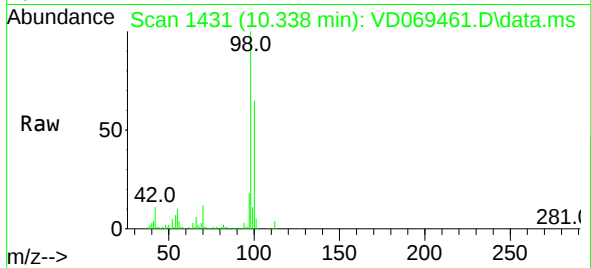




#50
Toluene-d8
Concen: 51.740 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

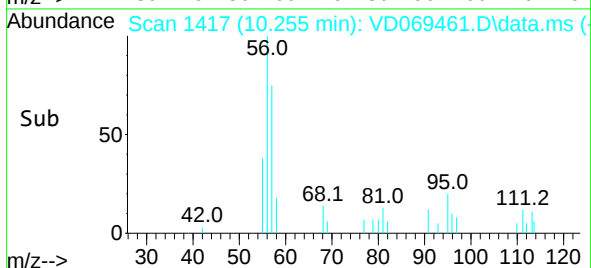
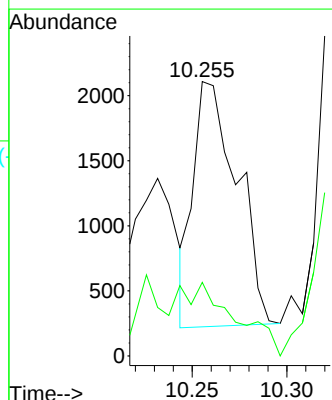
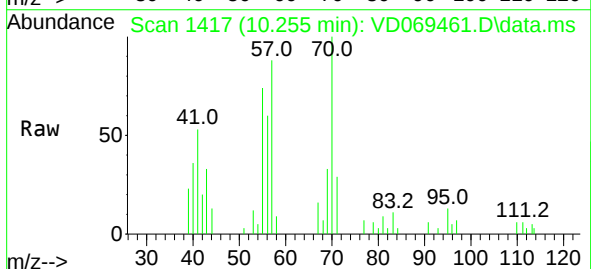
Instrument :
MSVOA_D
ClientSampled :

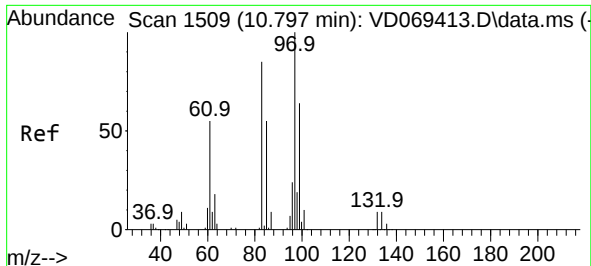
Tgt Ion: 98 Resp: 738659
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.724 ug/l
RT: 10.255 min Scan# 1417
Delta R.T. 0.029 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Tgt Ion: 43 Resp: 3020
Ion Ratio Lower Upper
43 100
58 37.8 35.1 52.7

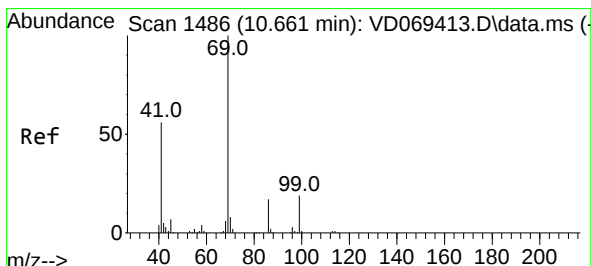
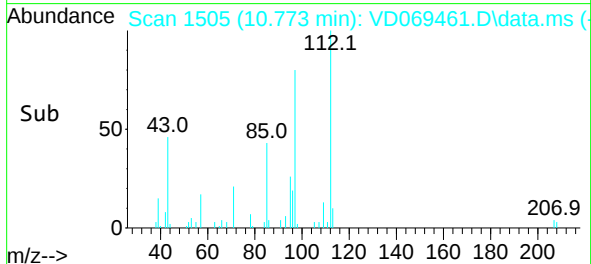
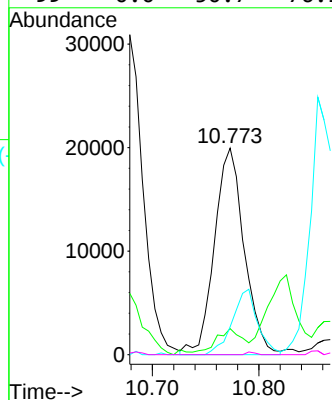
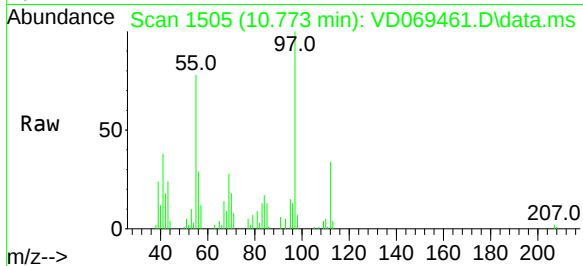




#55
1,1,2-Trichloroethane
Concen: 12.680 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

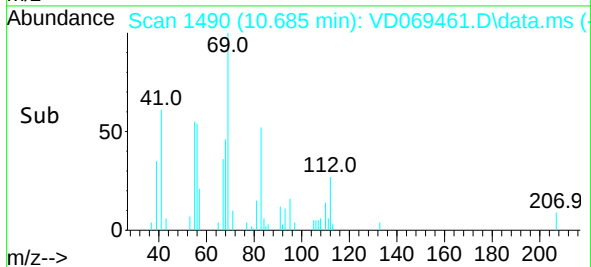
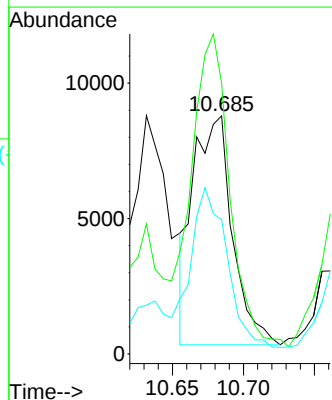
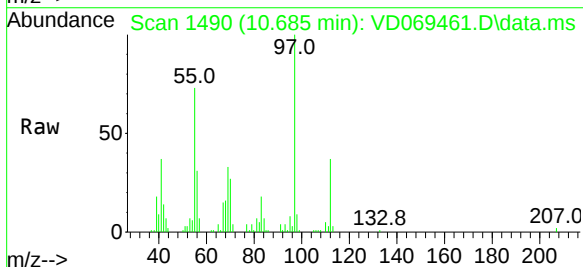
Instrument :
MSVOA_D
ClientSampleId :

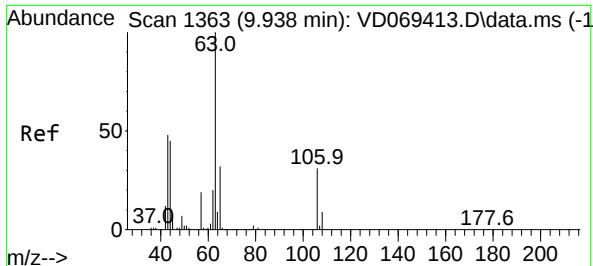
Tgt Ion: 97 Resp: 38720
Ion Ratio Lower Upper
97 100
83 10.4 69.4 104.0#
85 13.7 44.5 66.7#
99 0.0 50.7 76.1#



#56
Ethyl methacrylate
Concen: 7.209 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.024 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Tgt Ion: 69 Resp: 16206
Ion Ratio Lower Upper
69 100
41 132.7 45.4 68.2#
39 64.4 21.7 32.5#

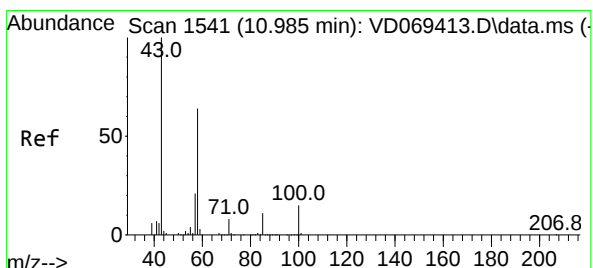
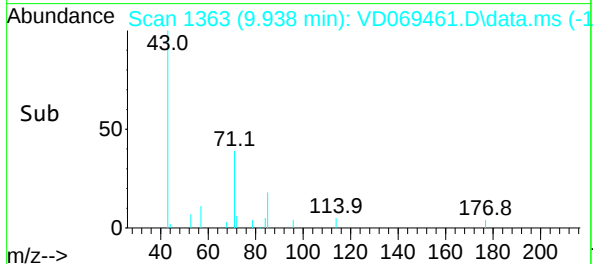
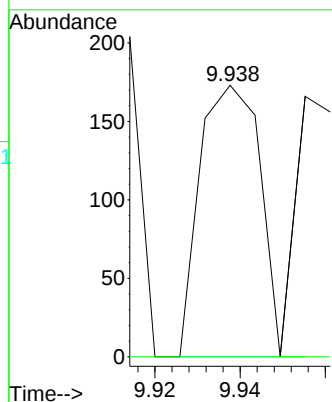
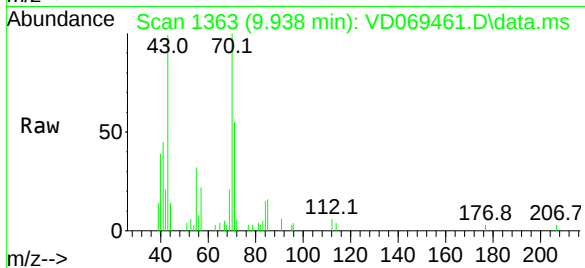




#58
2-Chloroethyl Vinyl ether
Concen: 12.032 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

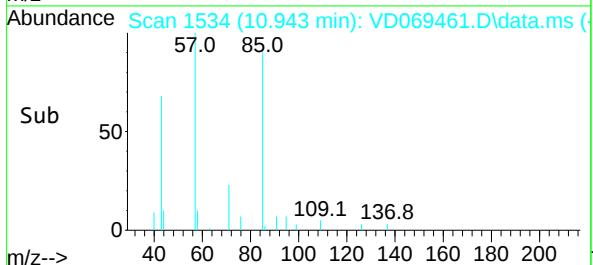
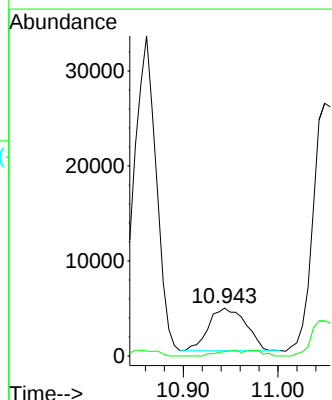
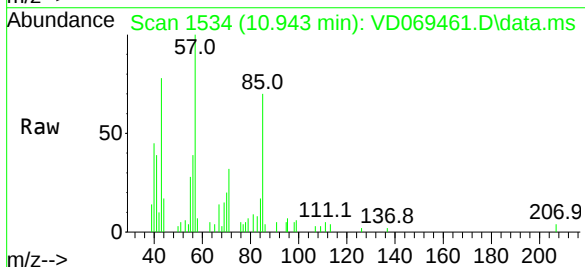
Instrument :
MSVOA_D
ClientSampled :

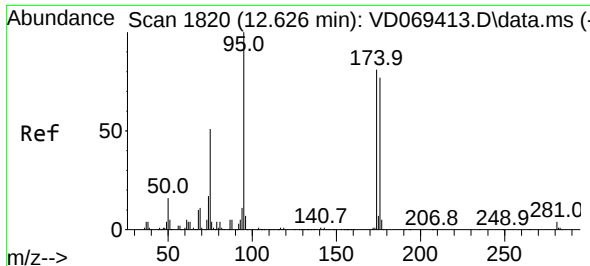
Tgt Ion: 63 Resp: 169
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#



#59
2-Hexanone
Concen: 10.535 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.042 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Tgt Ion: 43 Resp: 12317
Ion Ratio Lower Upper
43 100
58 8.0 30.8 92.3#

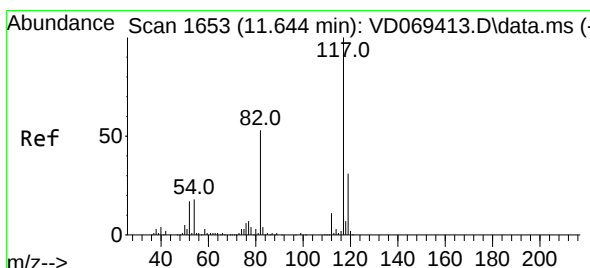
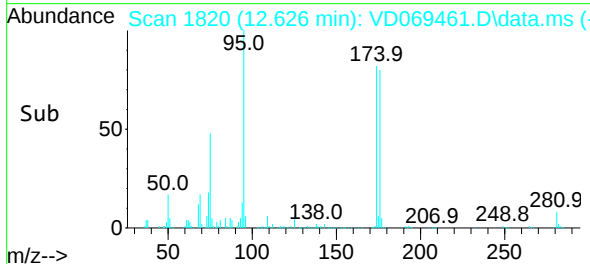
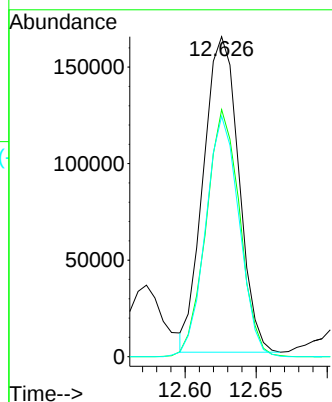
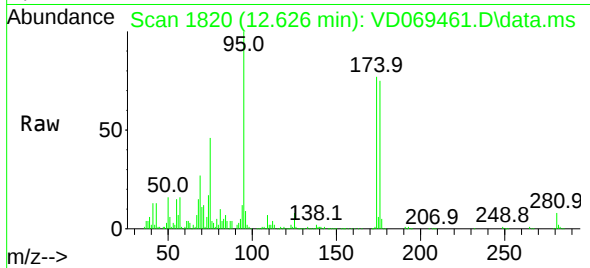




#62
4-Bromofluorobenzene
Concen: 61.777 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

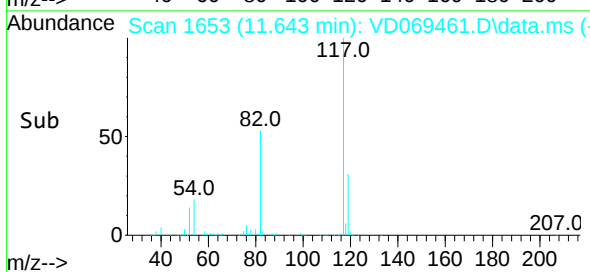
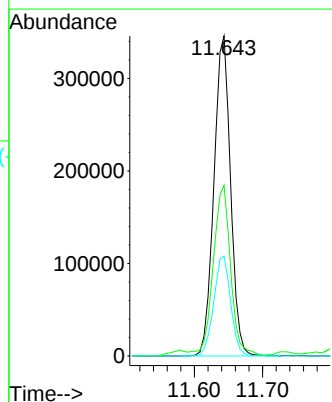
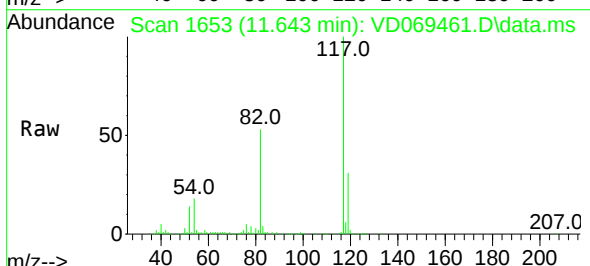
Instrument :
MSVOA_D
ClientSampleId :

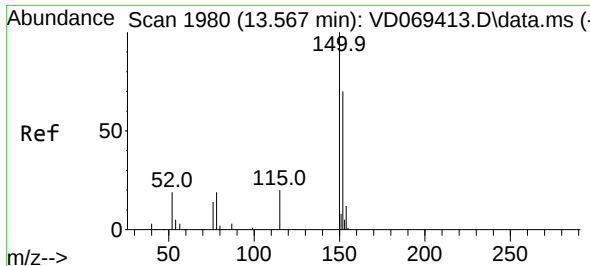
Tgt Ion: 95 Resp: 282984
Ion Ratio Lower Upper
95 100
174 74.5 0.0 162.8
176 72.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Tgt Ion: 117 Resp: 586799
Ion Ratio Lower Upper
117 100
82 52.0 43.3 64.9
119 31.3 25.3 37.9

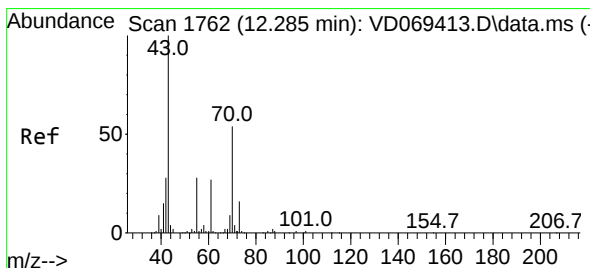
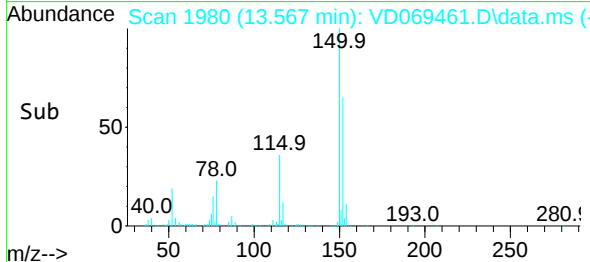
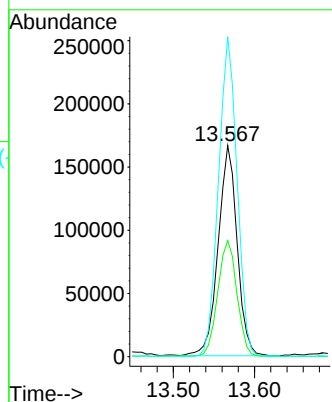
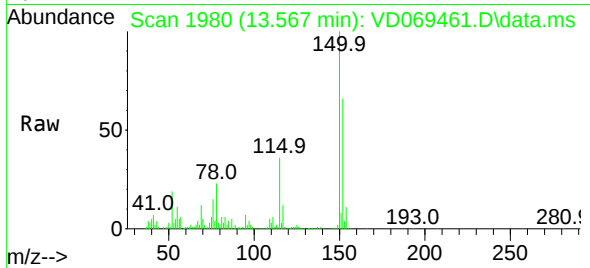




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

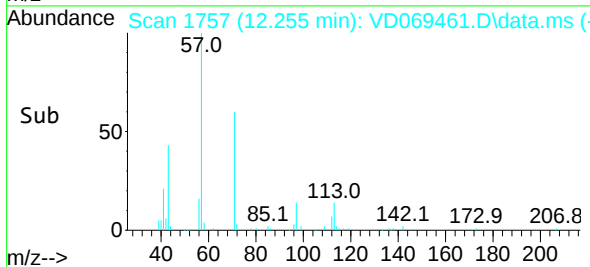
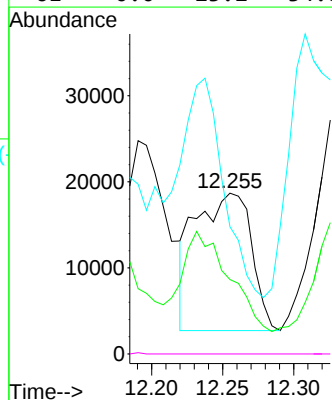
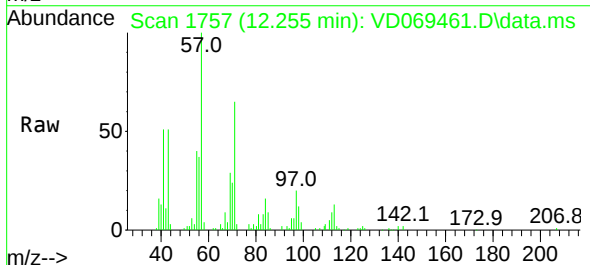
Instrument :
MSVOA_D
ClientSampleId :

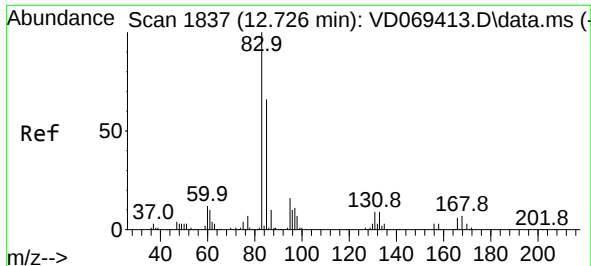
Tgt Ion:152 Resp: 271360
Ion Ratio Lower Upper
152 100
115 56.0 29.4 88.3
150 148.5 0.0 355.0



#74
N-ethyl acetate
Concen: 12.819 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.030 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Tgt Ion: 43 Resp: 43874
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#

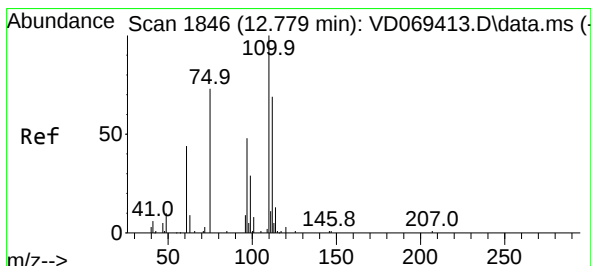
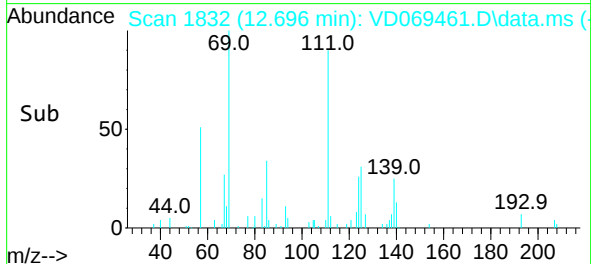
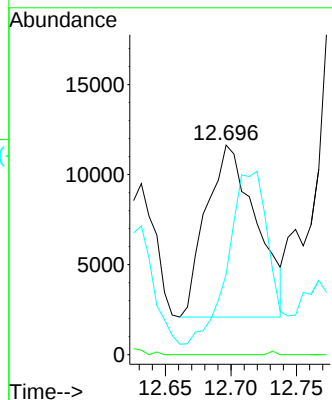
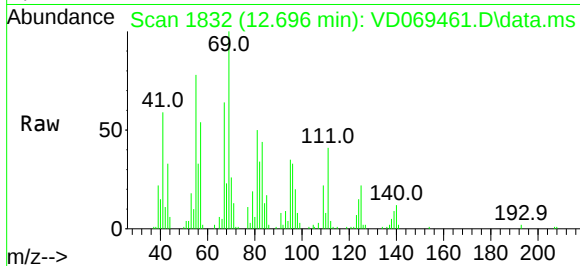




#75
1,1,2,2-Tetrachloroethane
Concen: 6.918 ug/l
RT: 12.696 min Scan# 1832
Delta R.T. -0.030 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

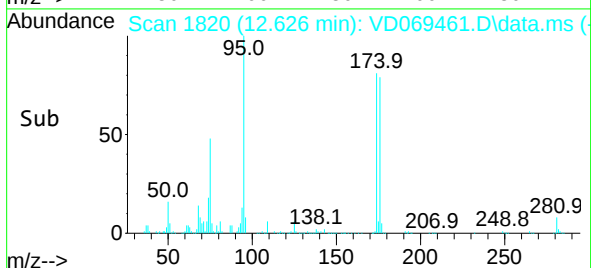
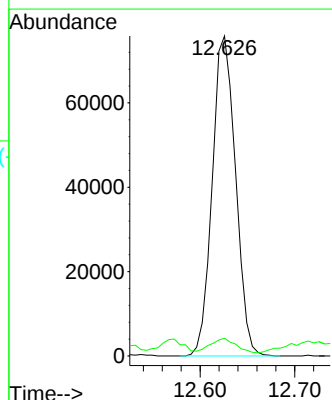
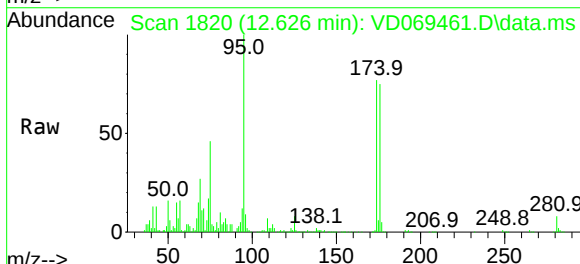
Instrument :
MSVOA_D
ClientSampled :

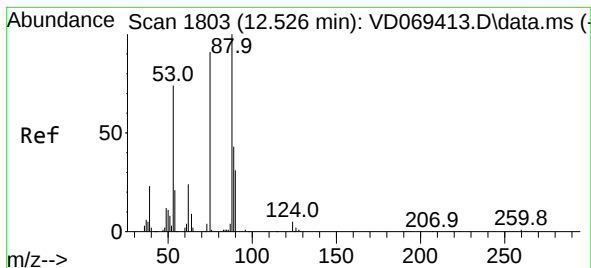
Tgt Ion: 83 Resp: 25338
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 0.0 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 47.265 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

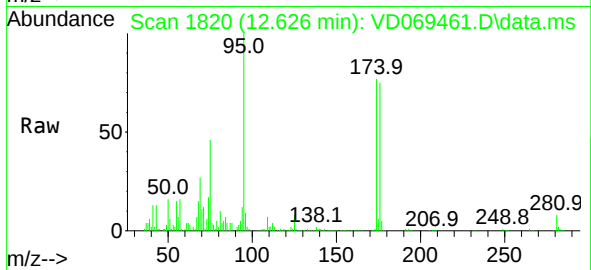
Tgt Ion: 75 Resp: 130031
Ion Ratio Lower Upper
75 100
77 4.9 183.8 551.2#



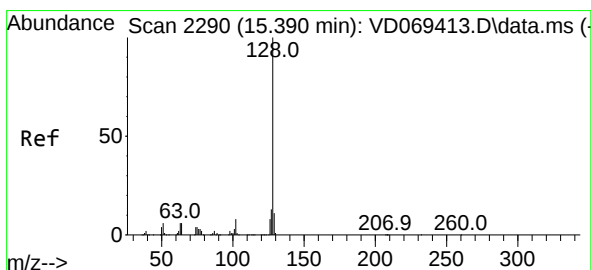
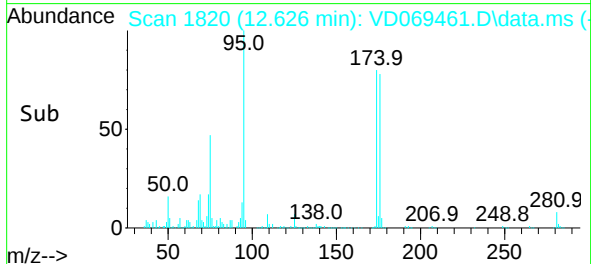
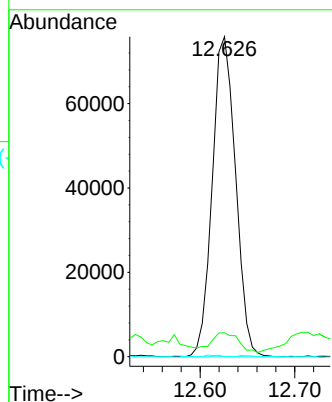


#81
trans-1,4-Dichloro-2-butene
Concen: 126.089 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 130031
Ion Ratio Lower Upper
75 100
53 7.2 62.6 94.0#
89 0.3 35.6 53.4#



#95
Naphthalene
Concen: 3.907 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069461.D
Acq: 16 Jun 2021 12:32

Tgt Ion: 128 Resp: 3405
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 29.3 8.8 13.2#

