

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069698.D
 Acq On : 14 Jul 2021 20:03
 Operator : VA/SY
 Sample : M3026-01
 Misc : 11.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 03:33:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

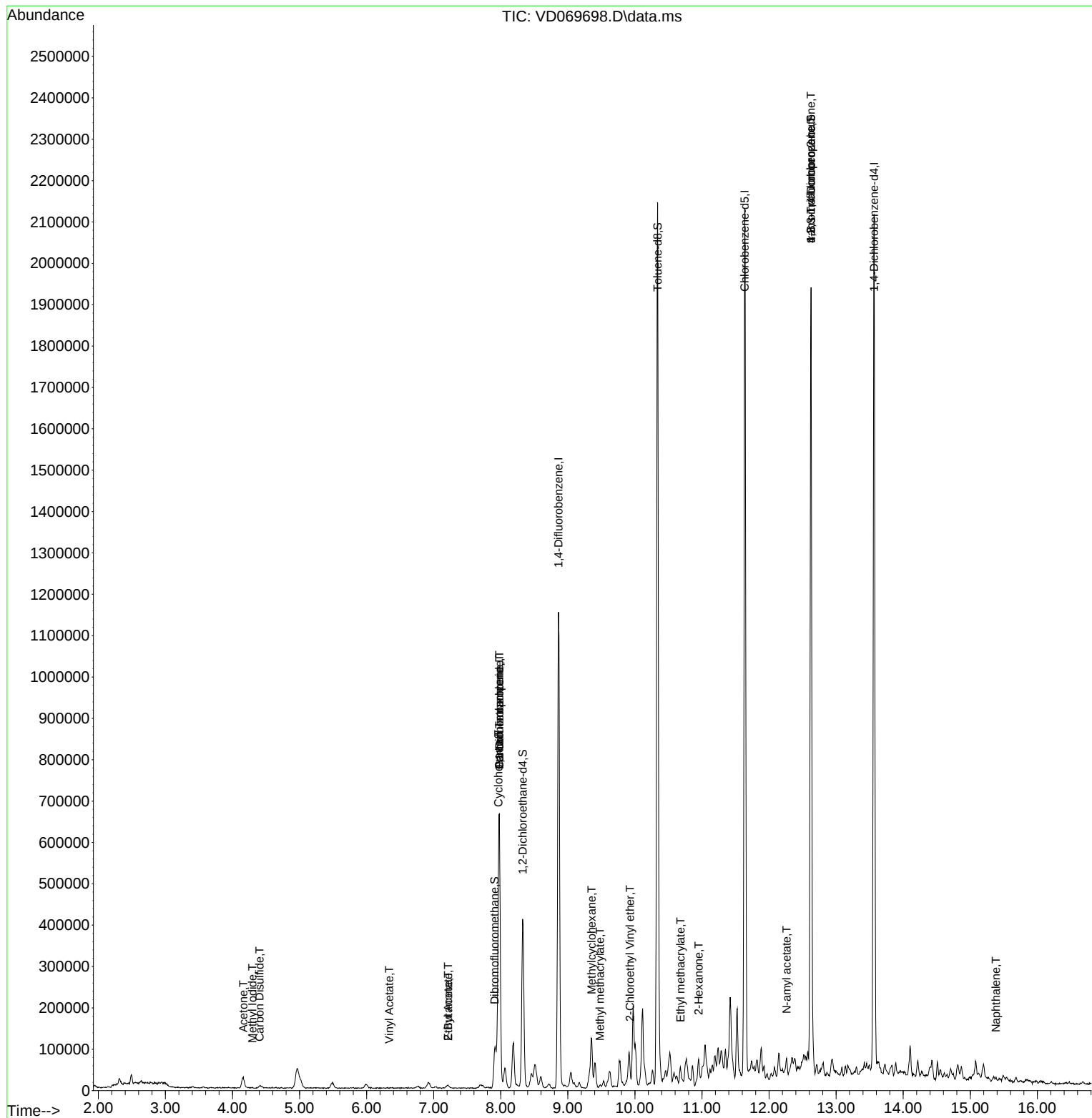
Internal Standards						
1) Pentafluorobenzene	7.979	168	452709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	963016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1201940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	546738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	322668	57.083	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.160%			
35) Dibromofluoromethane	7.908	113	76891	11.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 23.800%#			
50) Toluene-d8	10.338	98	1370519	54.603	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.200%			
62) 4-Bromofluorobenzene	12.626	95	599217	71.582	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 143.160%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	1315	Below Cal		99
5) Bromomethane	2.779	94	2159	Below Cal	#	60
10) Methyl Iodide	4.297	142	409	2.538	ug/l #	86
16) Acetone	4.161	43	44665	47.443	ug/l	99
17) Carbon Disulfide	4.403	76	10849	1.053	ug/l	100
18) Methyl Acetate	4.726	43	220	Below Cal	#	49
23) Vinyl Acetate	6.338	43	62	15.431	ug/l #	72
25) 2-Butanone	7.214	43	8451	6.326	ug/l	97
31) Cyclohexane	7.967	56	32620	3.769	ug/l #	66
36) 1,1-Dichloropropene	7.979	75	42365	4.264	ug/l #	48
37) Ethyl Acetate	7.214	43	8451	2.249	ug/l #	70
38) Carbon Tetrachloride	7.979	117	47623	5.235	ug/l #	18
39) Methylcyclohexane	9.355	83	29671	4.361	ug/l #	85
48) Methyl methacrylate	9.479	41	814	1.325	ug/l #	13
56) Ethyl methacrylate	10.679	69	5081	2.412	ug/l #	22
58) 2-Chloroethyl Vinyl ether	9.926	63	68	9.383	ug/l #	49
59) 2-Hexanone	10.949	43	22719	9.564	ug/l #	29
74) N-amyl acetate	12.261	43	11903	1.407	ug/l #	81
76) 1,2,3-Trichloropropane	12.626	75	297467	56.005	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	297467	150.512	ug/l #	15
95) Naphthalene	15.384	128	4868	2.474	ug/l #	81

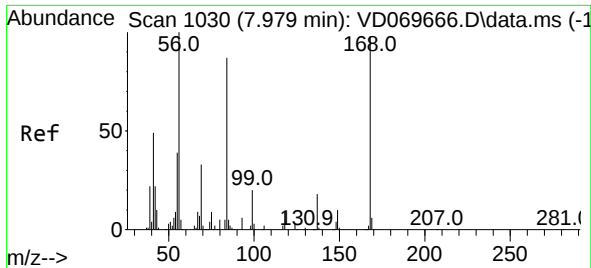
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

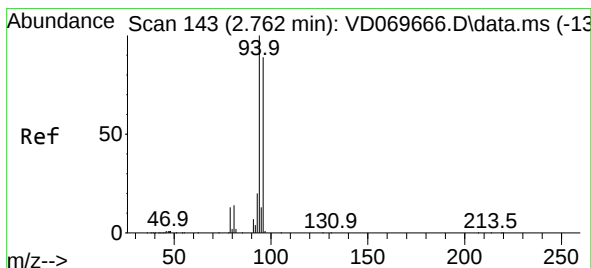
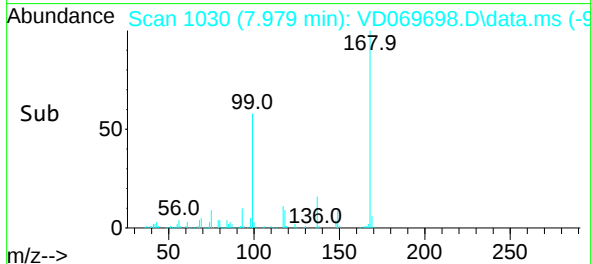
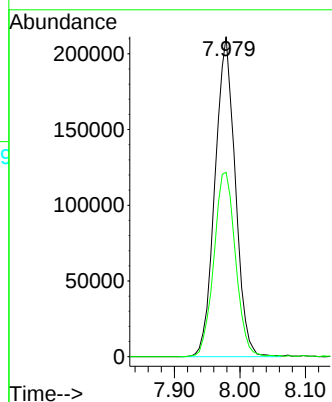
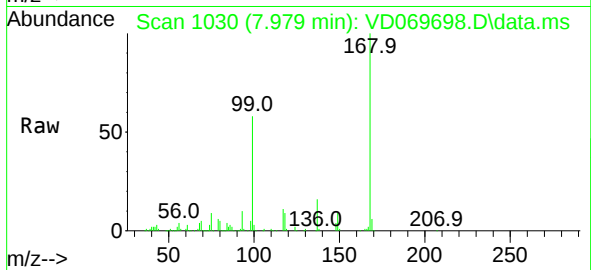




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

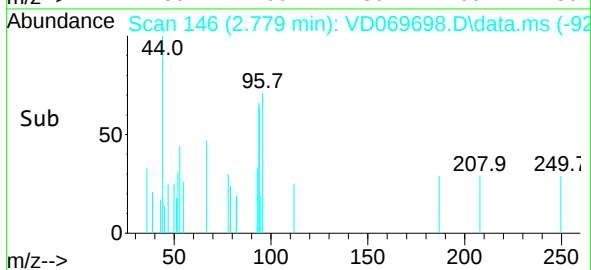
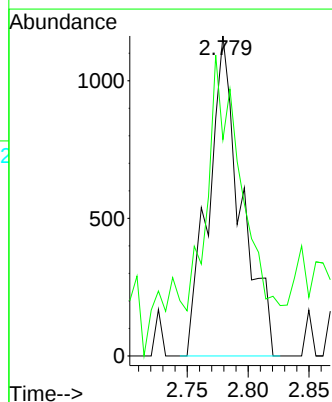
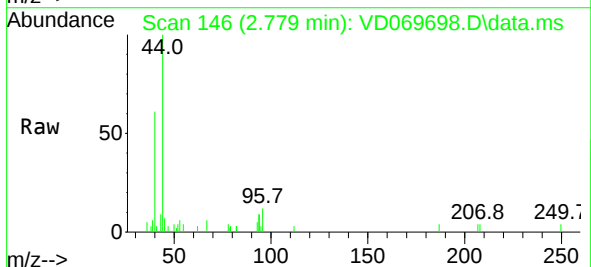
Instrument :
MSVOA_D
ClientSampled :

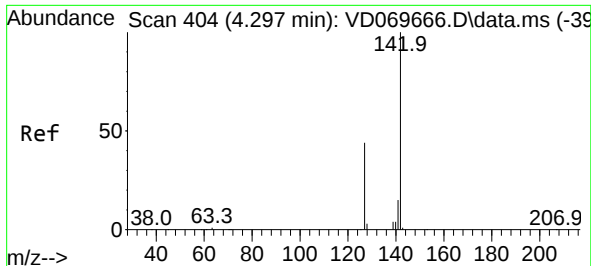
Tgt Ion:168 Resp: 452709
Ion Ratio Lower Upper
168 100
99 57.6 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

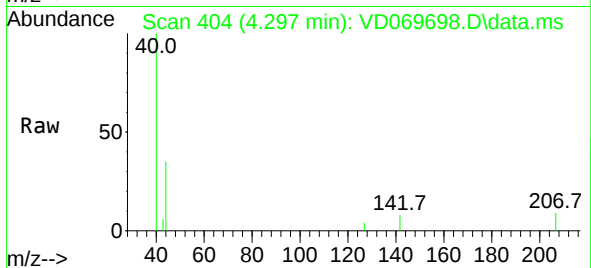
Tgt Ion: 94 Resp: 2159
Ion Ratio Lower Upper
94 100
96 51.8 71.2 106.8#



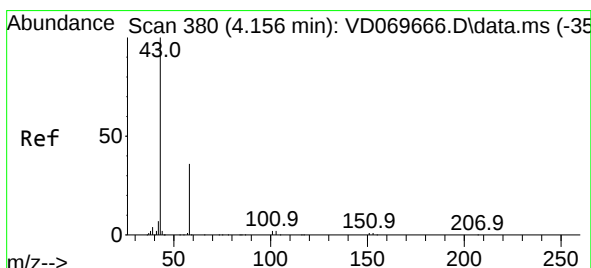
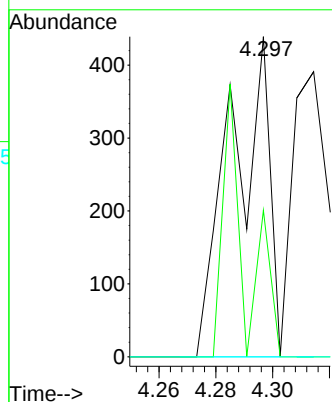
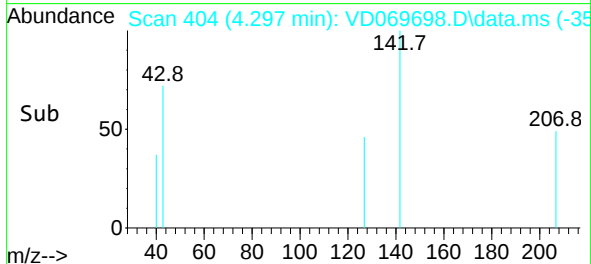


#10
Methyl Iodide
Concen: 2.538 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

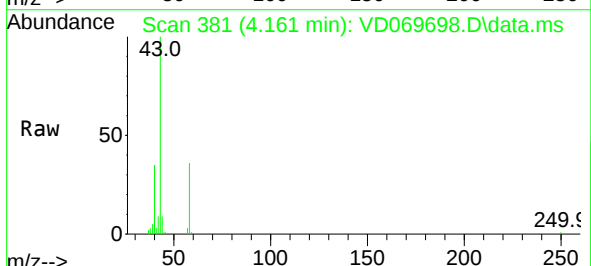
Instrument :
MSVOA_D
ClientSampleId :



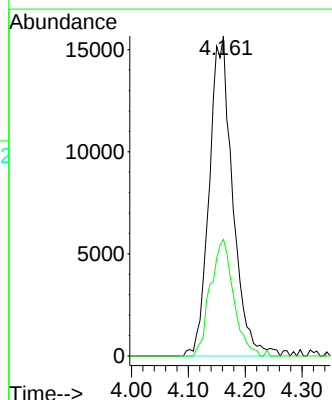
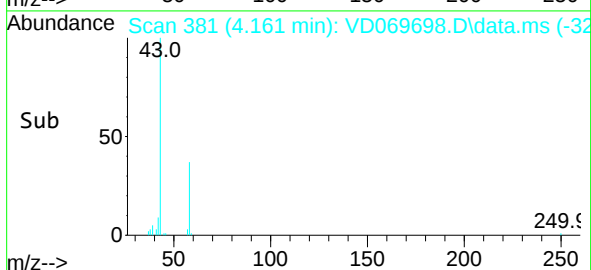
Tgt Ion:142 Resp: 409
Ion Ratio Lower Upper
142 100
127 49.6 36.1 54.1
141 0.0 11.6 17.4#

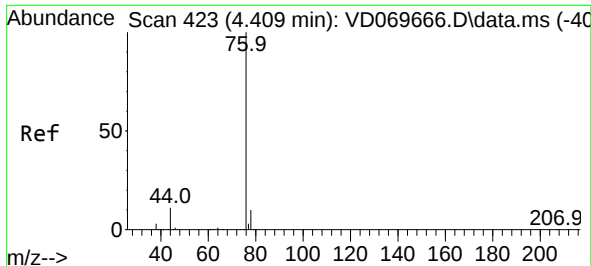


#16
Acetone
Concen: 47.443 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03



Tgt Ion: 43 Resp: 44665
Ion Ratio Lower Upper
43 100
58 36.5 28.6 42.8

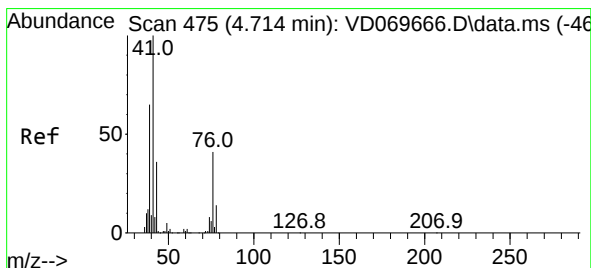
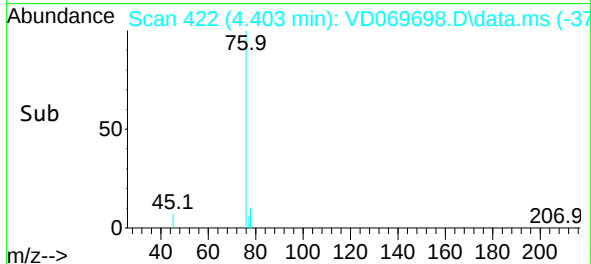
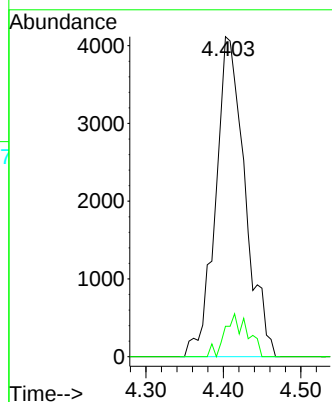
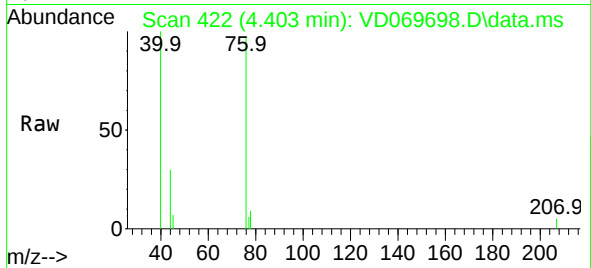




#17
Carbon Disulfide
Concen: 1.053 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

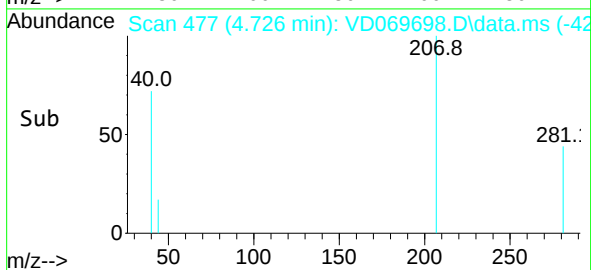
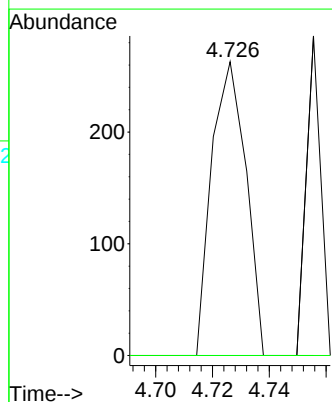
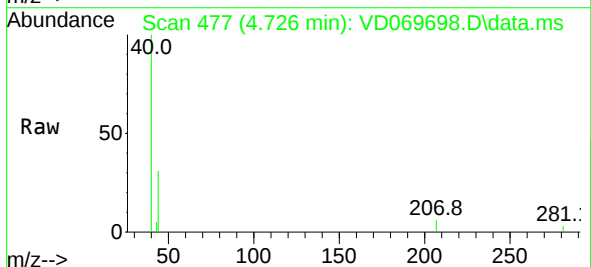
Instrument :
MSVOA_D
ClientSampled :

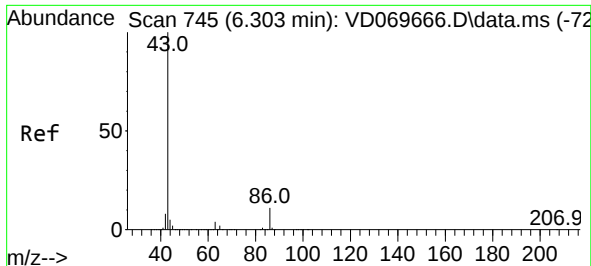
Tgt Ion: 76 Resp: 10849
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion: 43 Resp: 220
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

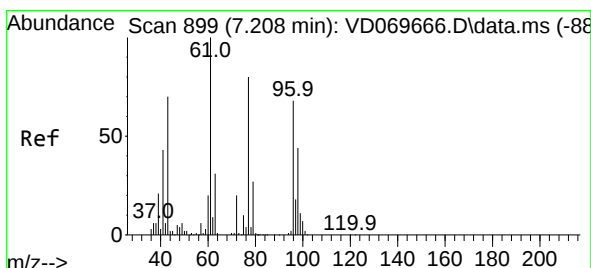
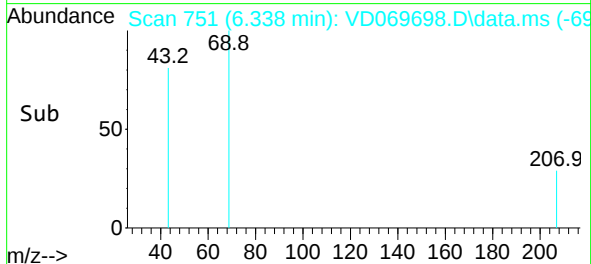
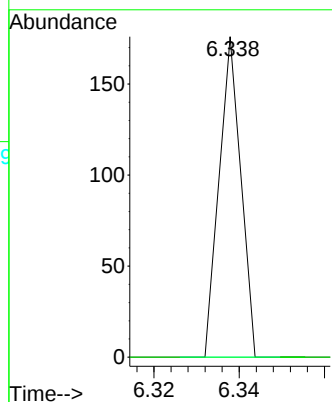
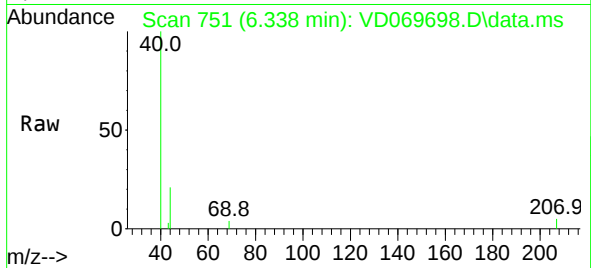




#23
 Vinyl Acetate
 Concen: 15.431 ug/l
 RT: 6.338 min Scan# 751
 Delta R.T. 0.035 min
 Lab File: VD069698.D
 Acq: 14 Jul 2021 20:03

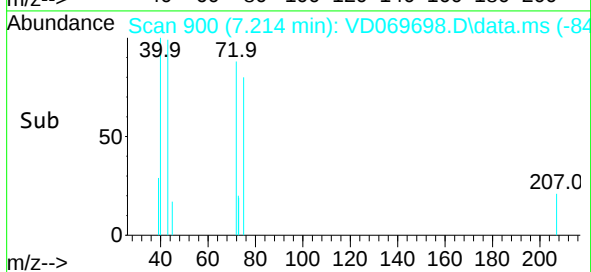
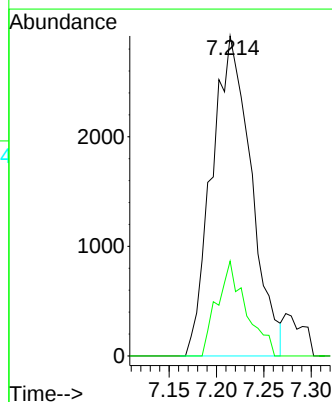
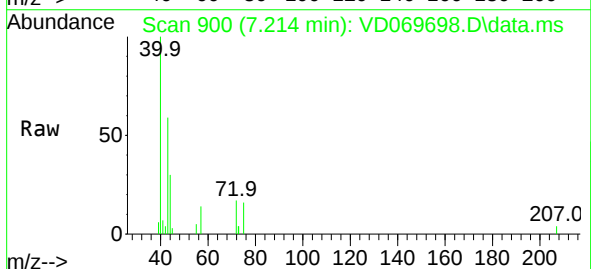
Instrument :
 MSVOA_D
 ClientSampled :

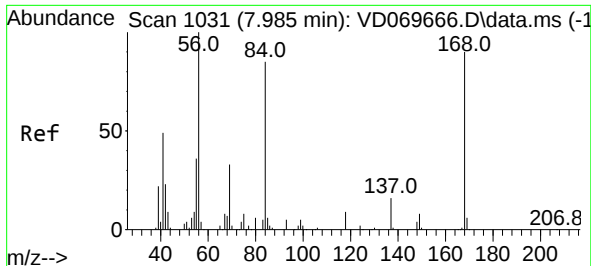
Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 6.326 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.006 min
 Lab File: VD069698.D
 Acq: 14 Jul 2021 20:03

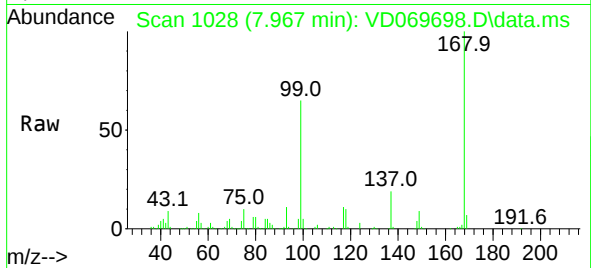
Tgt Ion: 43 Resp: 8451
 Ion Ratio Lower Upper
 43 100
 72 29.7 22.6 33.8



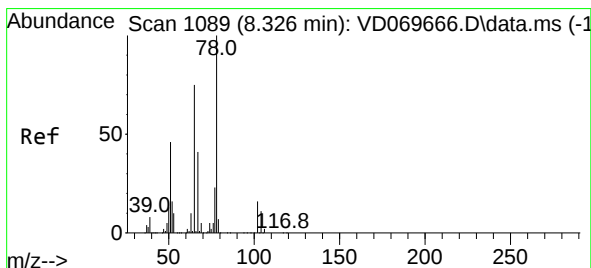
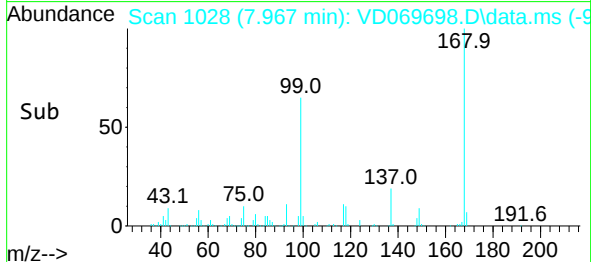
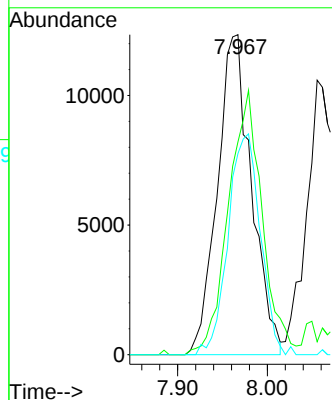


#31
Cyclohexane
Concen: 3.769 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Instrument :
MSVOA_D
ClientSampled :

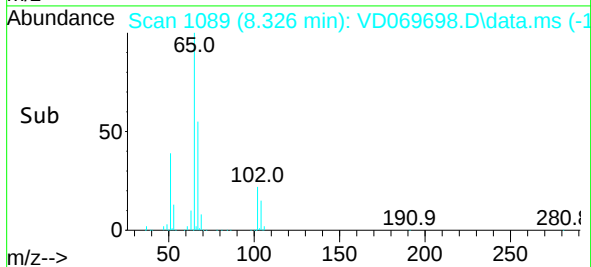
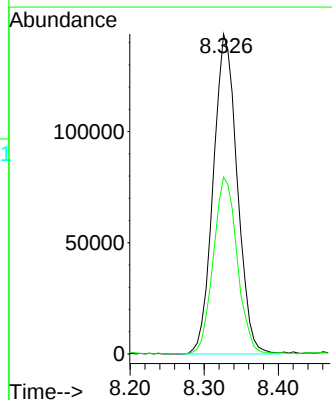
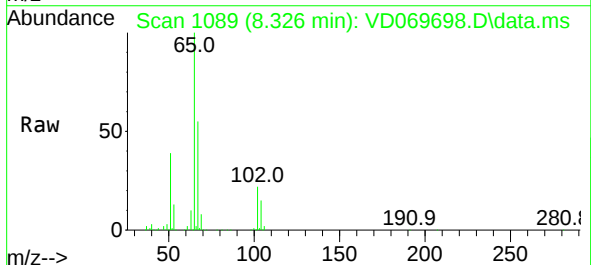


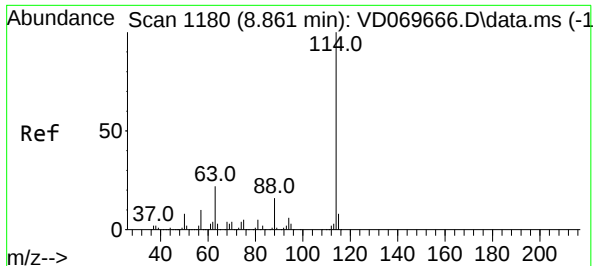
Tgt Ion: 56 Resp: 32620
Ion Ratio Lower Upper
56 100
69 66.5 26.6 39.8#
84 62.8 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 57.083 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion: 65 Resp: 322668
Ion Ratio Lower Upper
65 100
67 55.2 0.0 107.2



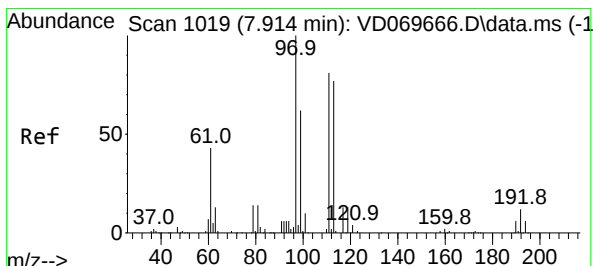
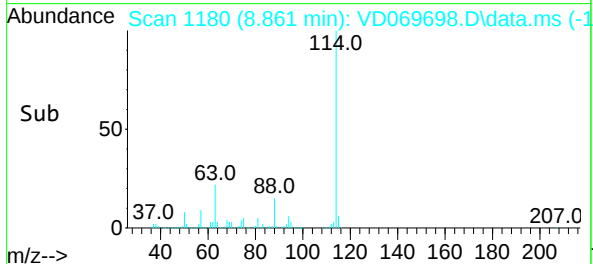
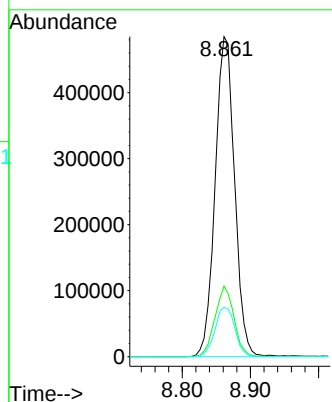
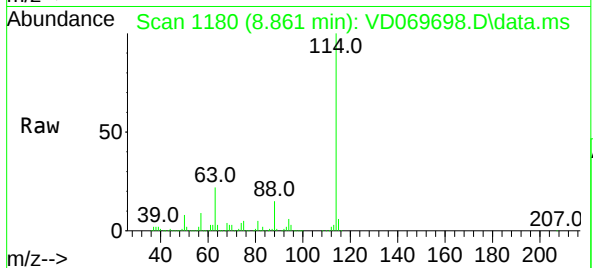


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Instrument :
MSVOA_D
ClientSampled :

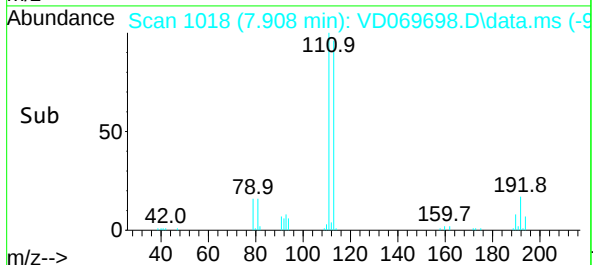
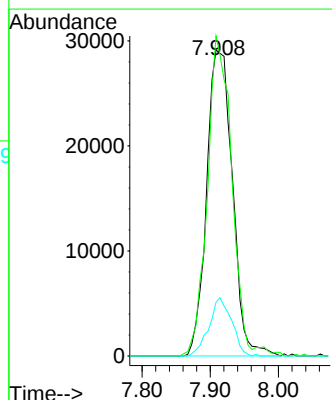
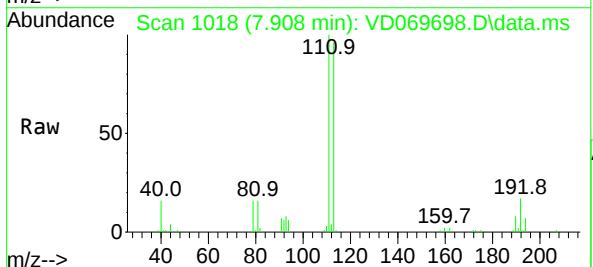
Tgt Ion:	114	Resp:	963016
Ion Ratio	Lower	Upper	
114	100		
63	22.1	0.0	43.4
88	15.4	0.0	32.0

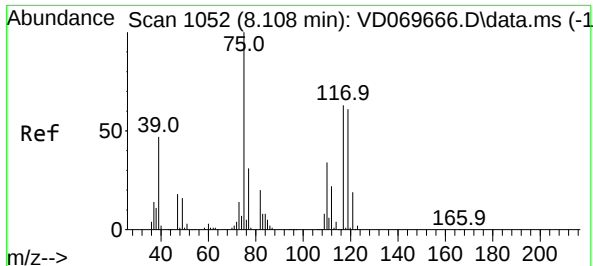


#35

Dibromofluoromethane
Concen: 11.901 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion:	113	Resp:	76891
Ion Ratio	Lower	Upper	
113	100		
111	97.6	82.6	123.8
192	16.7	12.7	19.1



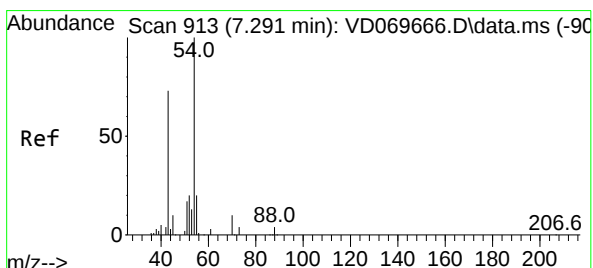
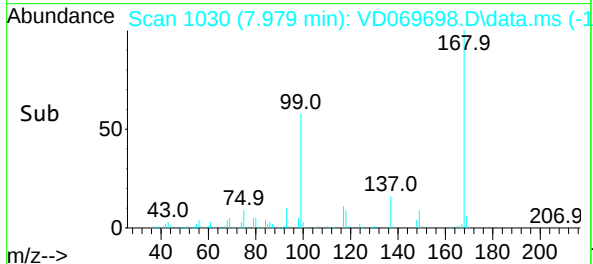
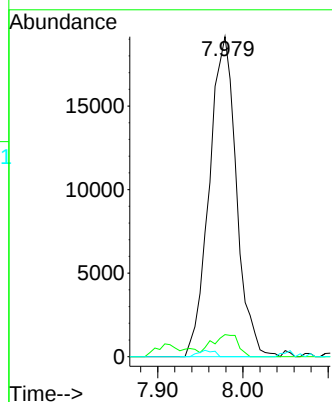
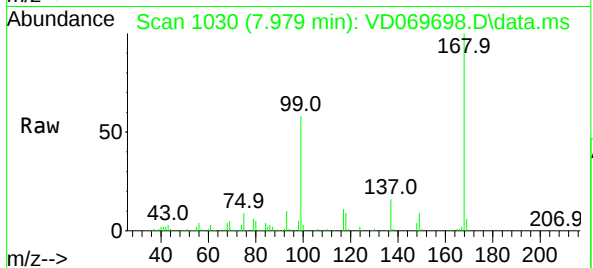


#36

1,1-Dichloropropene
Concen: 4.264 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Instrument :
MSVOA_D
ClientSampled :

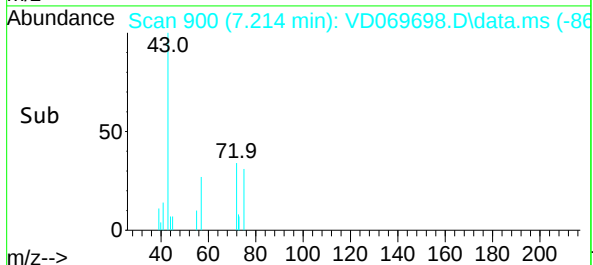
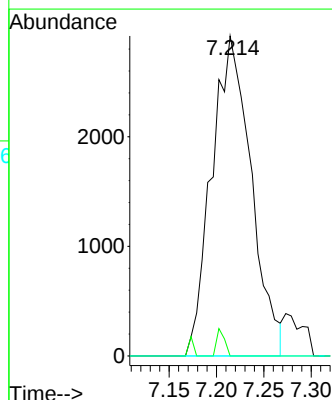
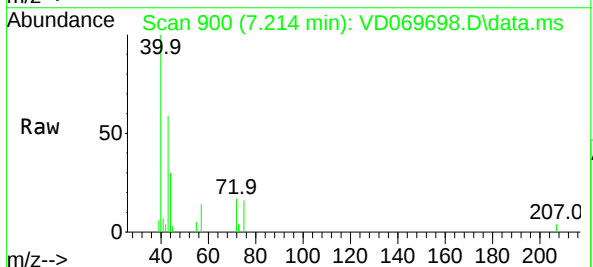
Tgt Ion: 75 Resp: 42365
Ion Ratio Lower Upper
75 100
110 6.6 16.7 50.0#
77 0.0 25.3 37.9#

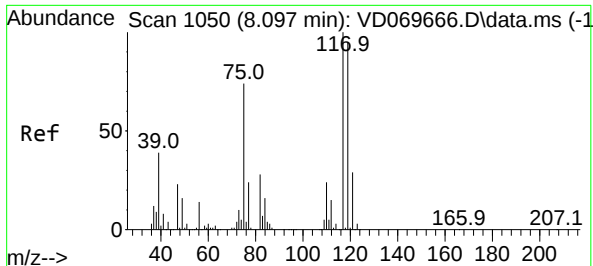


#37

Ethyl Acetate
Concen: 2.249 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

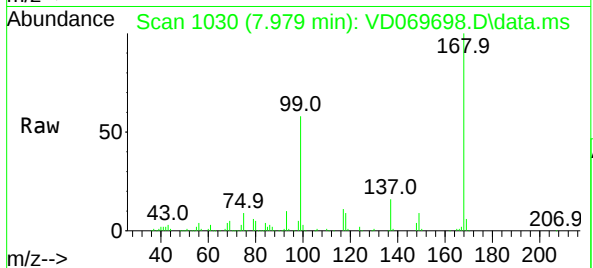
Tgt Ion: 43 Resp: 8451
Ion Ratio Lower Upper
43 100
61 1.7 12.1 18.1#
70 0.0 8.4 12.6#



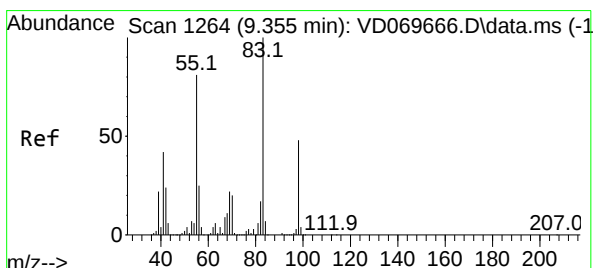
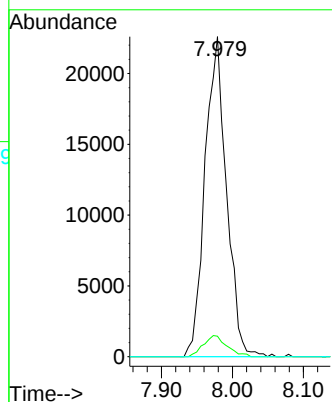
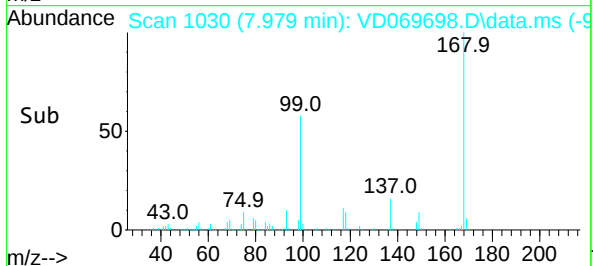


#38
Carbon Tetrachloride
Concen: 5.235 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

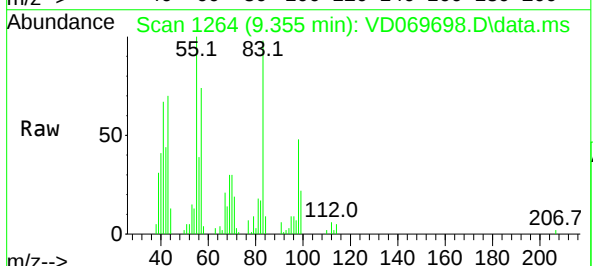
Instrument :
MSVOA_D
ClientSampled :



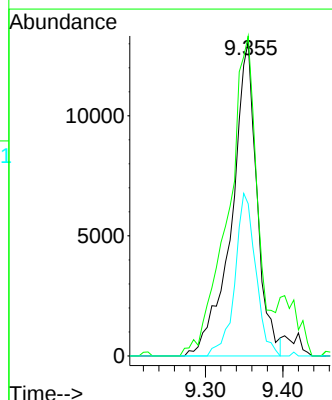
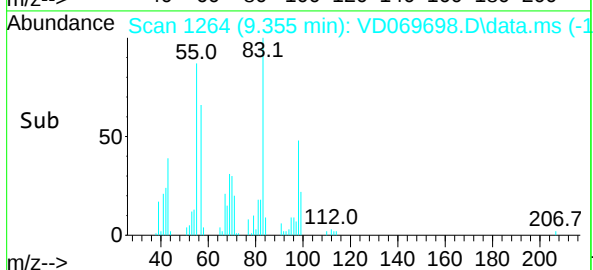
Tgt Ion:117 Resp: 47623
Ion Ratio Lower Upper
117 100
119 6.4 75.7 113.5#
121 0.0 23.0 34.6#

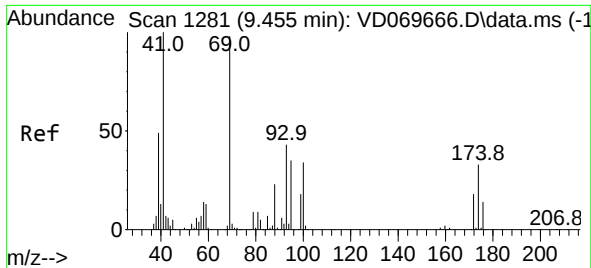


#39
Methylcyclohexane
Concen: 4.361 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03



Tgt Ion: 83 Resp: 29671
Ion Ratio Lower Upper
83 100
55 101.9 64.6 97.0#
98 48.4 38.4 57.6

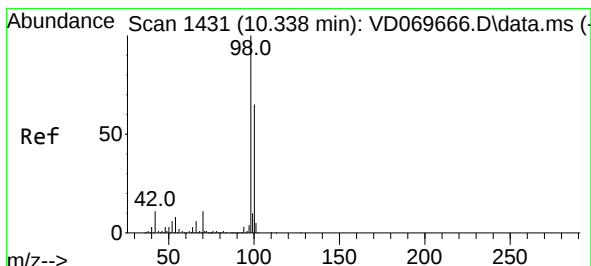
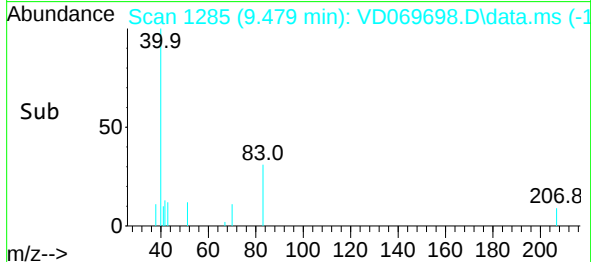
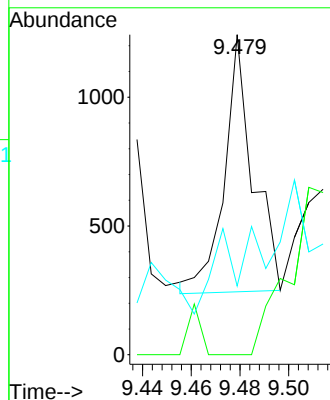
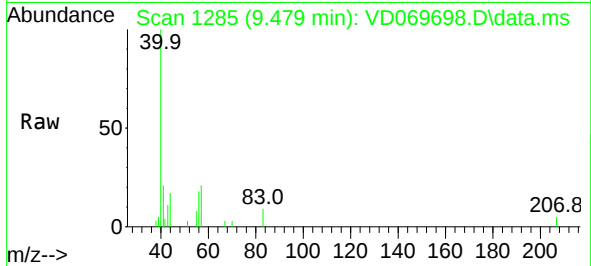




#48
Methyl methacrylate
Concen: 1.325 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.024 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

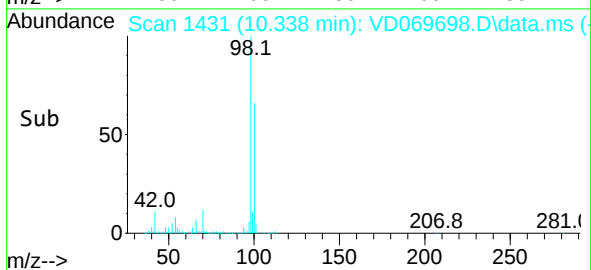
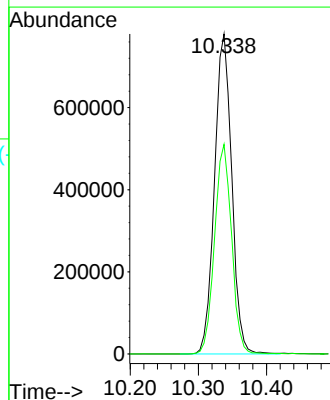
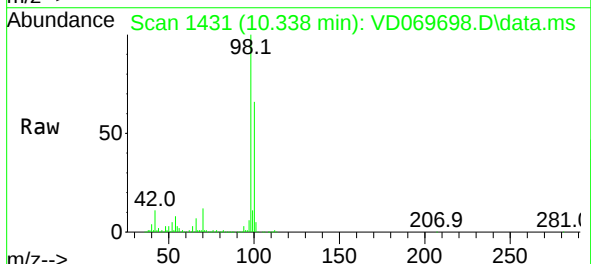
Instrument :
MSVOA_D
ClientSampleId :

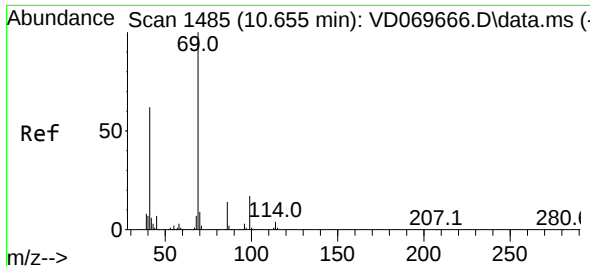
Tgt Ion: 41 Resp: 814
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 54.603 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion: 98 Resp: 1370519
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

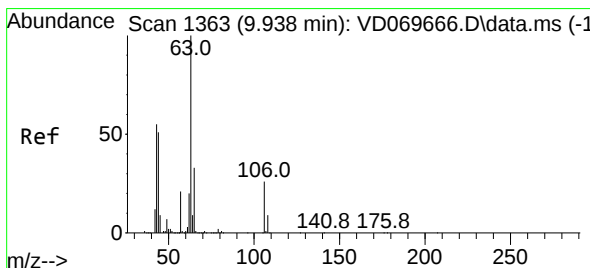
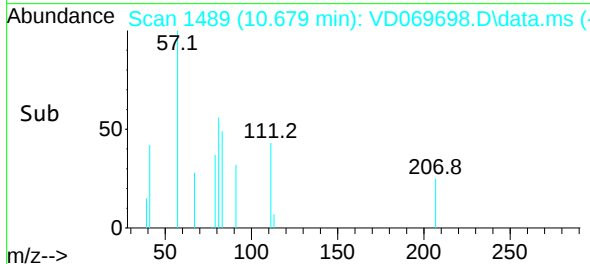
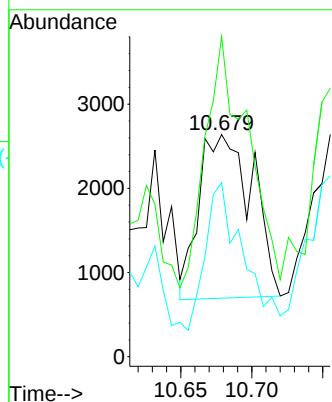
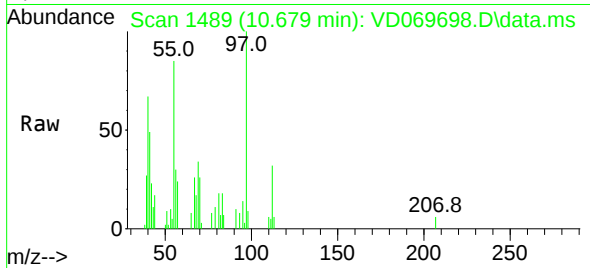




#56
Ethyl methacrylate
Concen: 2.412 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

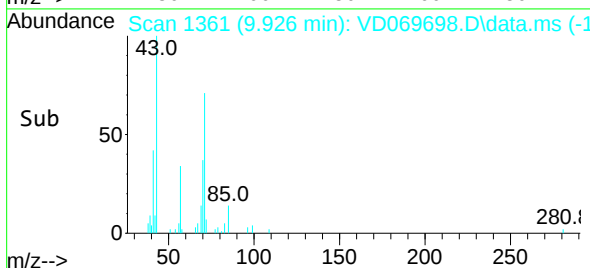
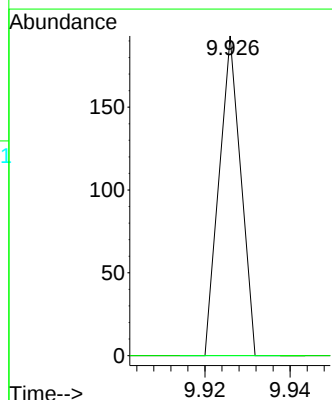
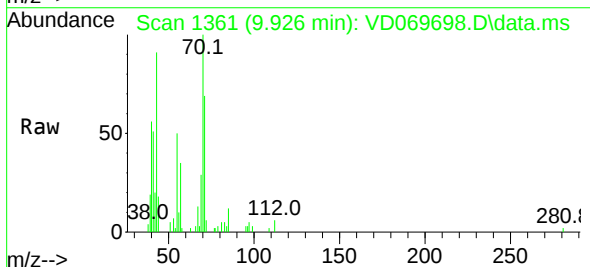
Instrument :
MSVOA_D
ClientSampled :

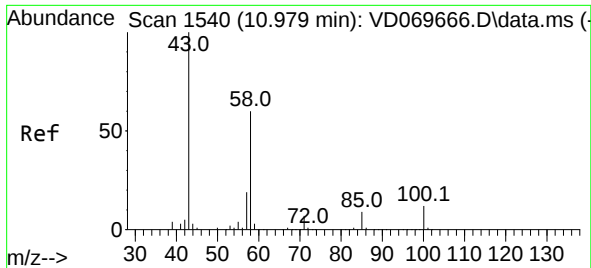
Tgt Ion: 69 Resp: 5081
Ion Ratio Lower Upper
69 100
41 120.8 49.5 74.3#
39 70.0 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.383 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.012 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion: 63 Resp: 68
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

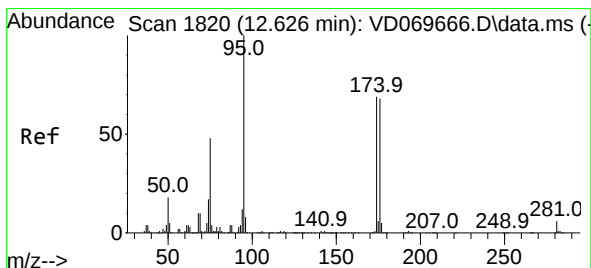
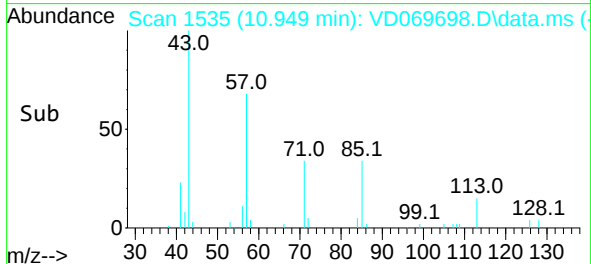
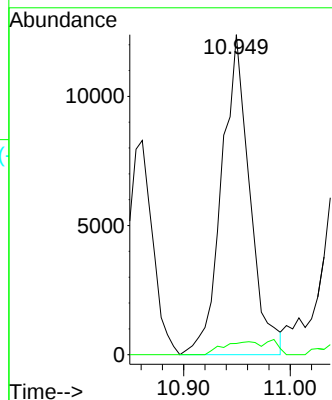
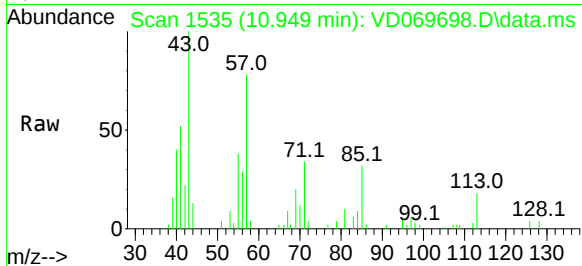




#59
2-Hexanone
Concen: 9.564 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

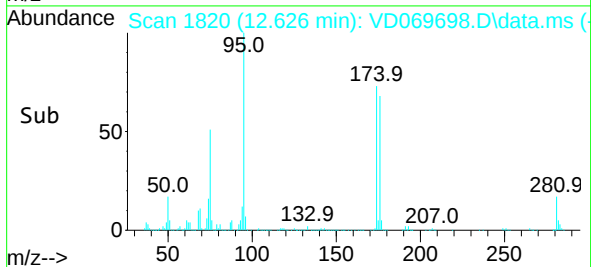
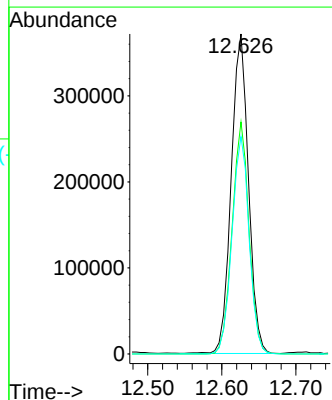
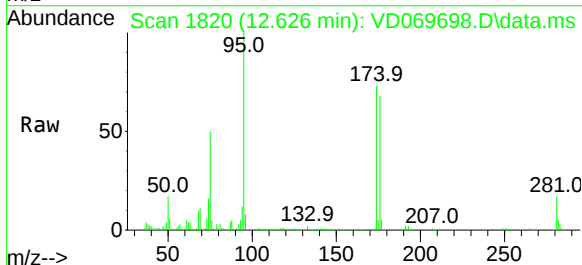
Instrument :
MSVOA_D
ClientSampled :

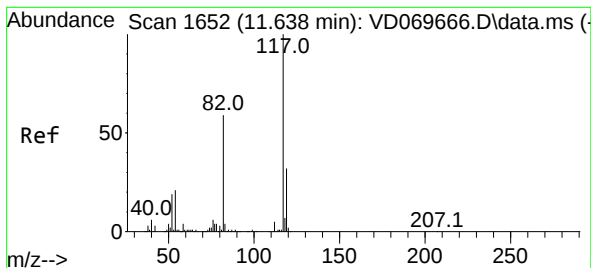
Tgt Ion: 43 Resp: 22719
Ion Ratio Lower Upper
43 100
58 5.3 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 71.582 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion: 95 Resp: 599217
Ion Ratio Lower Upper
95 100
174 71.2 0.0 140.0
176 67.6 0.0 136.2

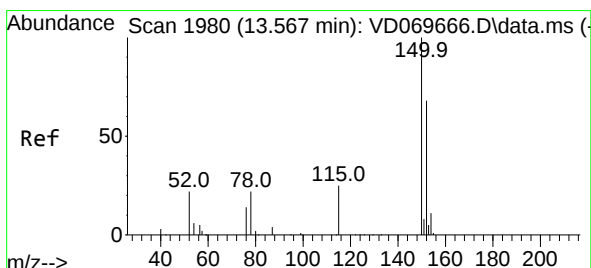
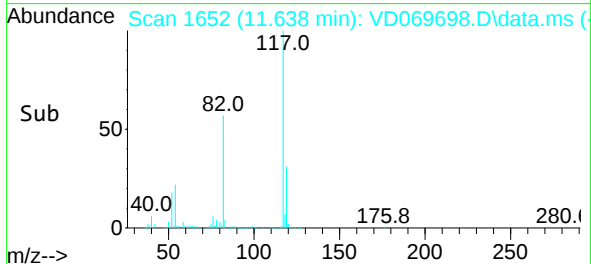
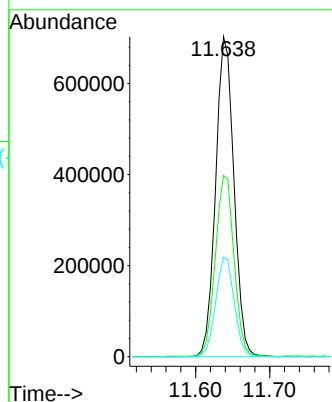
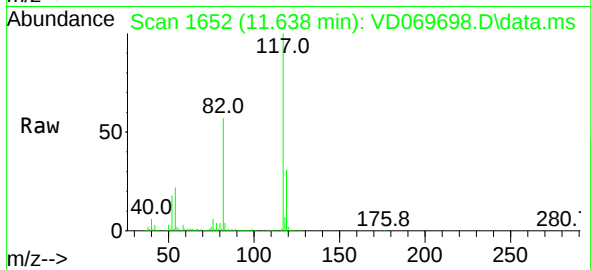




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

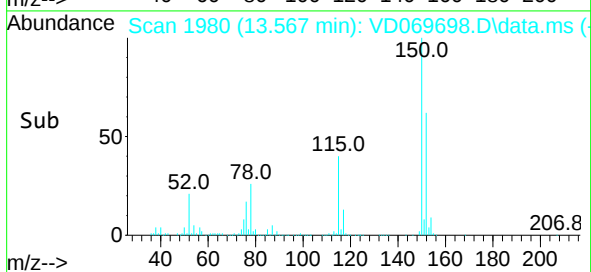
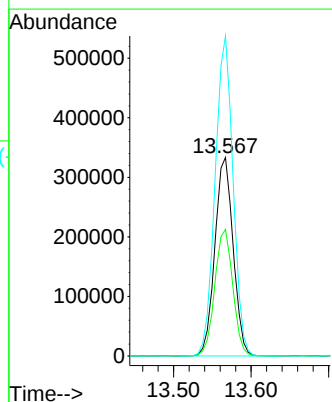
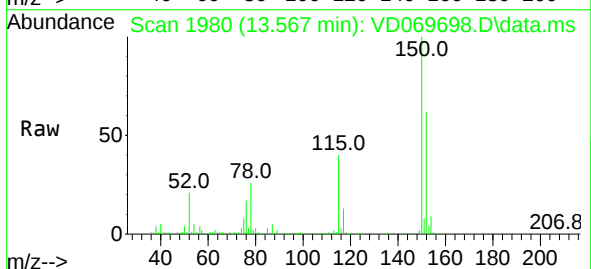
Instrument :
MSVOA_D
ClientSampleId :

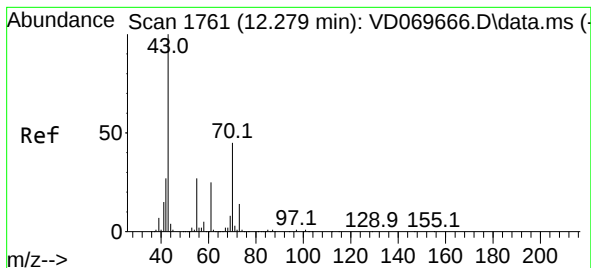
Tgt Ion:117 Resp: 1201940
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 31.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion:152 Resp: 546738
Ion Ratio Lower Upper
152 100
115 62.9 31.7 95.1
150 157.9 0.0 350.4

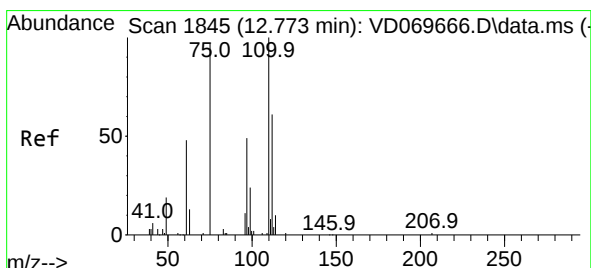
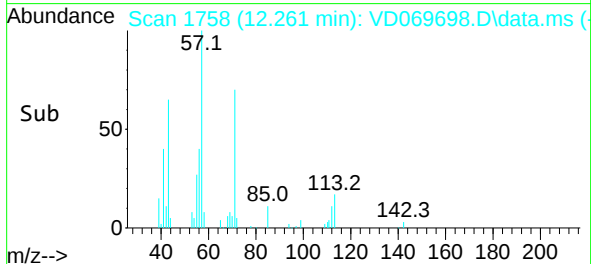
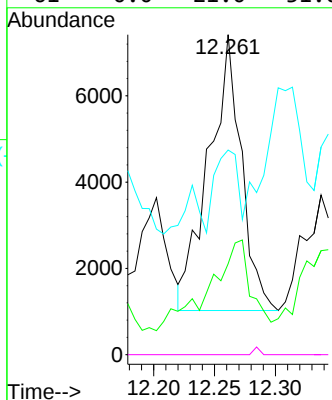
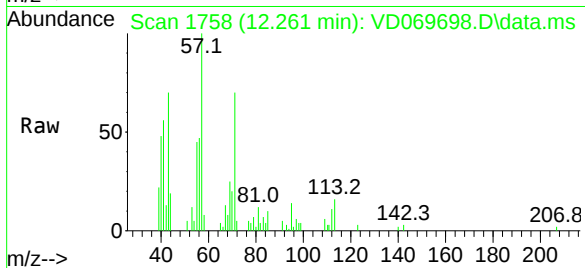




#74
N-amy1 acetate
Concen: 1.407 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

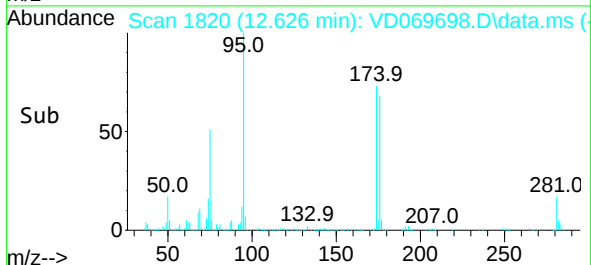
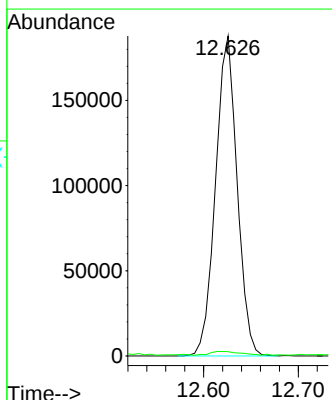
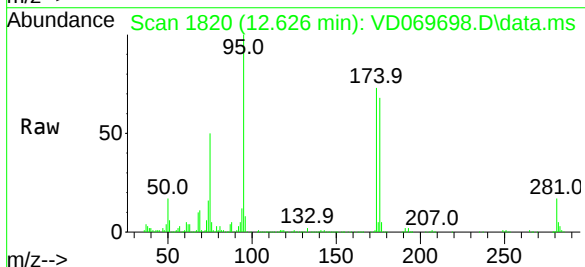
Instrument :
MSVOA_D
ClientSampleId :

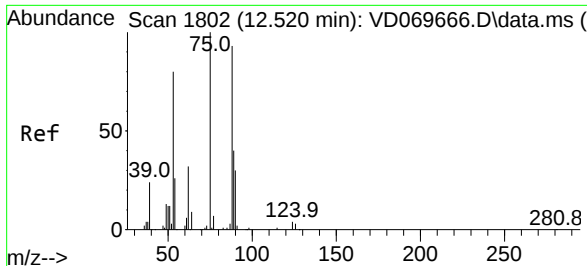
Tgt Ion: 43 Resp: 11903
Ion Ratio Lower Upper
43 100
70 42.0 36.9 55.3
55 21.9 22.4 33.6#
61 0.0 21.0 31.6#



#76
1,2,3-Trichloropropane
Concen: 56.005 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion: 75 Resp: 297467
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

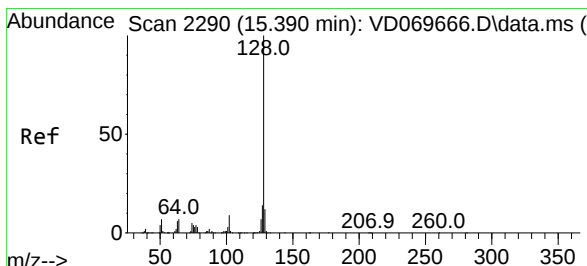
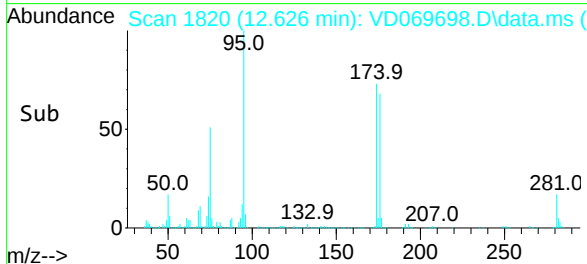
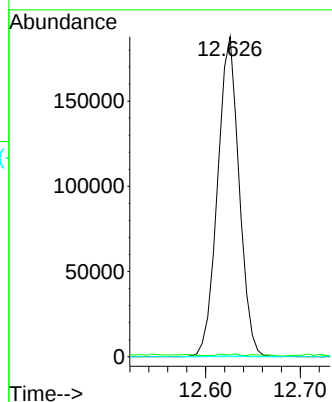
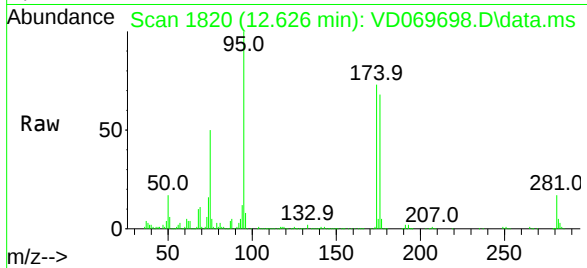




#81
trans-1,4-Dichloro-2-butene
Concen: 150.512 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 297467
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.3 35.1 52.7#



#95
Naphthalene
Concen: 2.474 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069698.D
Acq: 14 Jul 2021 20:03

Tgt Ion:128 Resp: 4868
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 11.5 8.8 13.2

