

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069467.D
 Acq On : 16 Jun 2021 15:21
 Operator : VA/SY
 Sample : M2672-12
 Misc : 7.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 17 02:49:33 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)

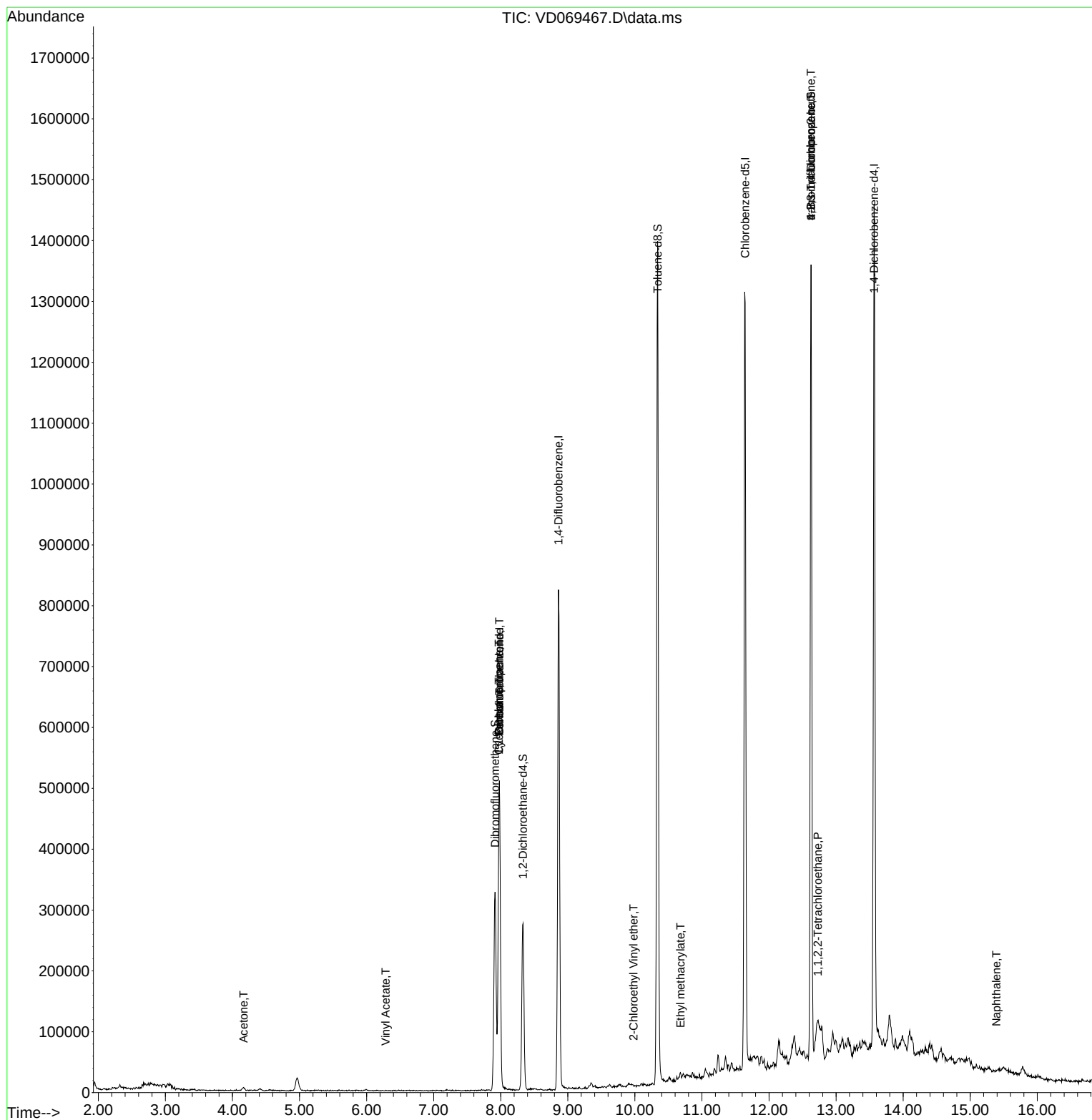
Internal Standards						
1) Pentafluorobenzene	7.979	168	388303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	735189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	798758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	388749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	226372	51.675	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.360%			
35) Dibromofluoromethane	7.914	113	241219	43.806	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.620%			
50) Toluene-d8	10.338	98	967973	48.062	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.120%			
62) 4-Bromofluorobenzene	12.626	95	367651	56.892	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.780%			
Target Compounds						
5) Bromomethane	2.774	94	340	Below Cal	#	47
16) Acetone	4.168	43	7558	10.423	ug/l #	84
18) Methyl Acetate	4.709	43	56	Below Cal	#	46
20) Methylene Chloride	4.956	84	18754	Below Cal	#	84
23) Vinyl Acetate	6.285	43	102	17.592	ug/l #	67
31) Cyclohexane	7.973	56	7474	1.256	ug/l #	12
36) 1,1-Dichloropropene	7.973	75	30676	4.007	ug/l #	49
38) Carbon Tetrachloride	7.979	117	37551	4.528	ug/l #	15
56) Ethyl methacrylate	10.679	69	1629	3.136	ug/l #	38
58) 2-Chloroethyl Vinyl ether	9.979	63	62	11.964	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.726	83	9020	1.719	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	186161	47.234	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	186161	126.008	ug/l #	19
95) Naphthalene	15.391	128	643	3.615	ug/l #	1

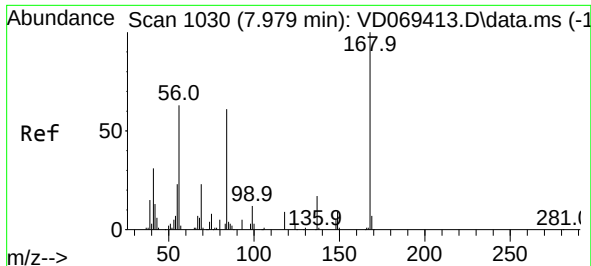
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

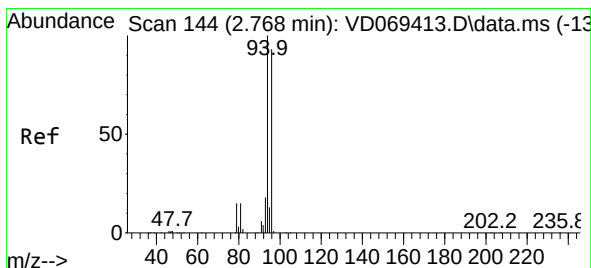
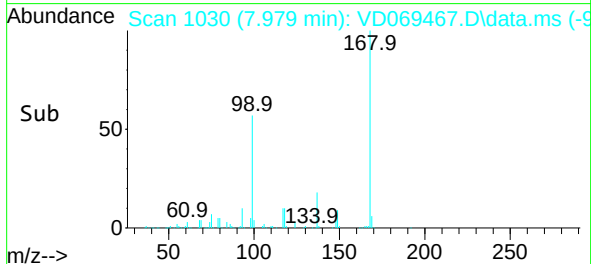
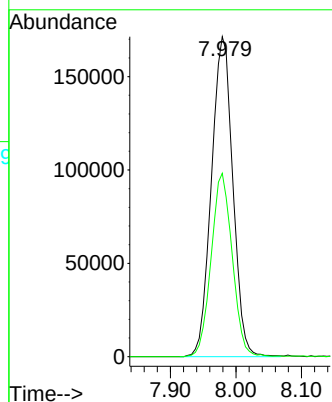
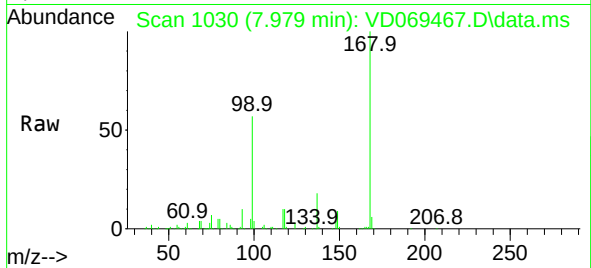




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

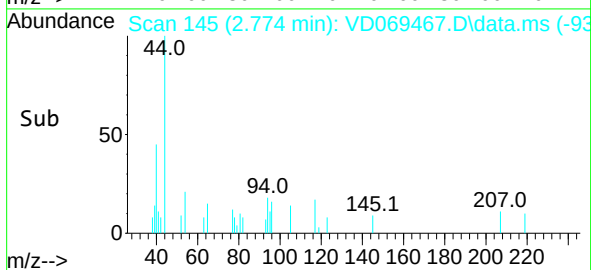
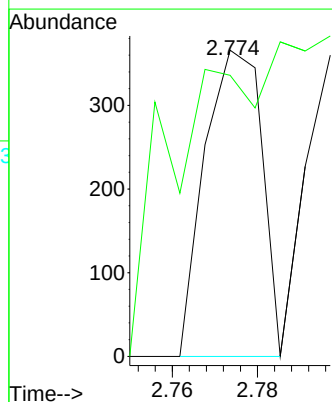
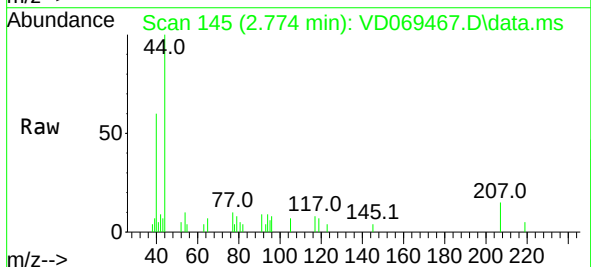
Instrument :
MSVOA_D
ClientSampleId :

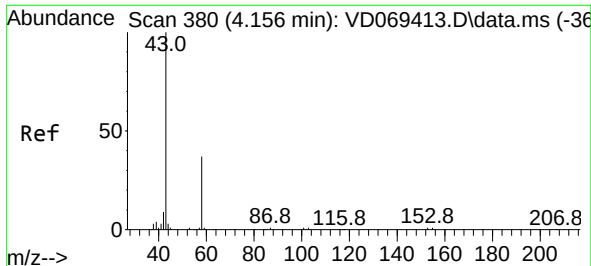
Tgt Ion:168 Resp: 388303
Ion Ratio Lower Upper
168 100
99 57.3 46.2 69.2



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion: 94 Resp: 340
Ion Ratio Lower Upper
94 100
96 38.5 70.3 105.5#

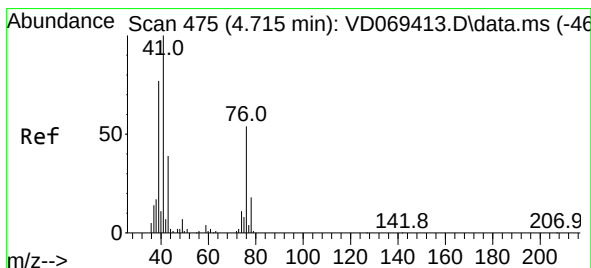
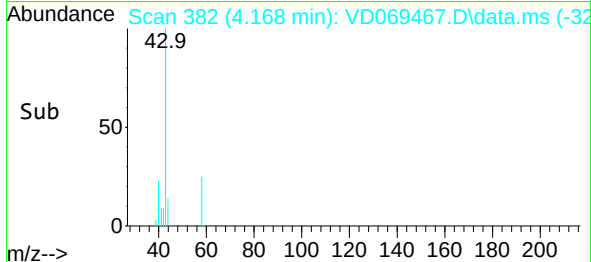
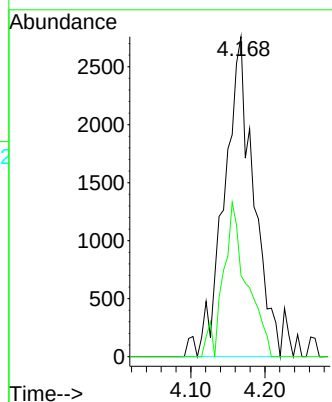
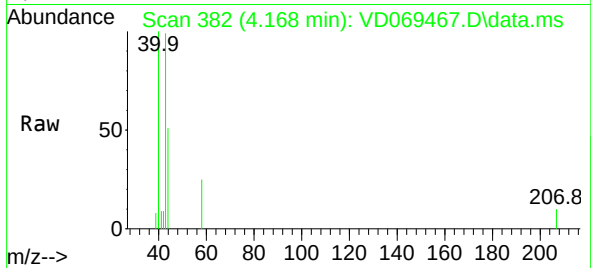




#16
Acetone
Concen: 10.423 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

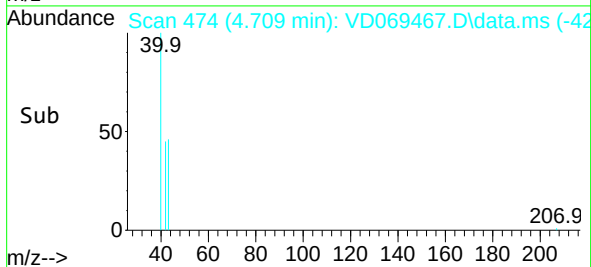
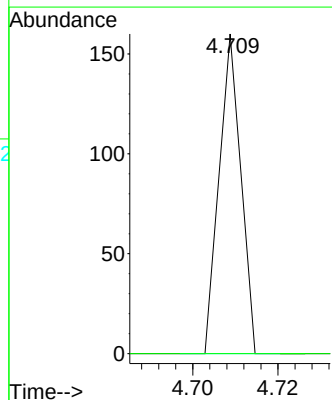
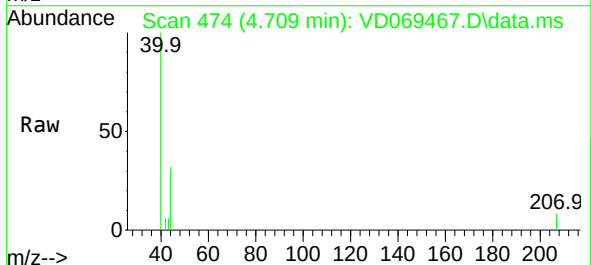
Instrument :
MSVOA_D
ClientSampled :

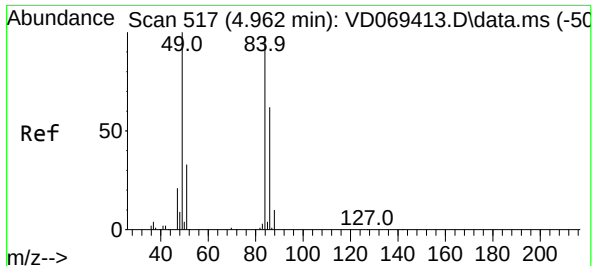
Tgt Ion: 43 Resp: 7558
Ion Ratio Lower Upper
43 100
58 25.3 27.5 41.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD069467.D

Acq: 16 Jun 2021 15:21

Tgt Ion: 84 Resp: 18754

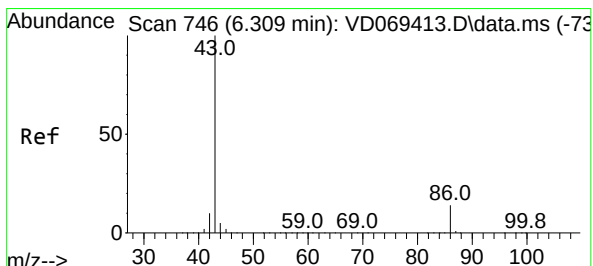
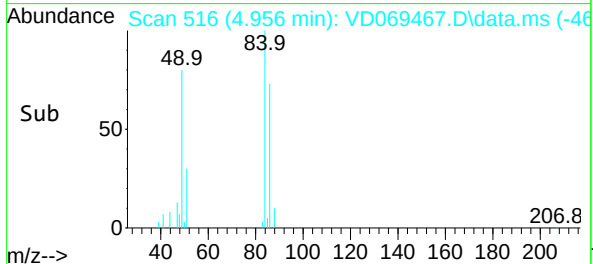
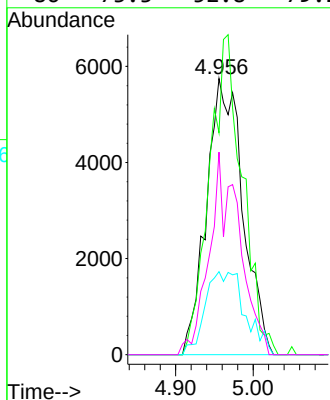
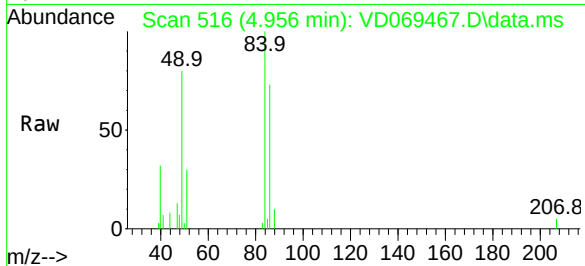
Ion Ratio Lower Upper

84 100

49 80.4 83.7 125.5#

51 30.1 26.4 39.6

86 73.3 52.8 79.2



#23

Vinyl Acetate

Concen: 17.592 ug/l

RT: 6.285 min Scan# 742

Delta R.T. -0.024 min

Lab File: VD069467.D

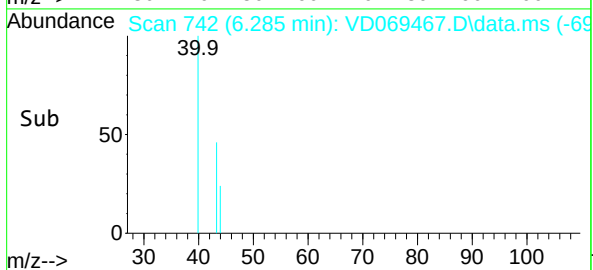
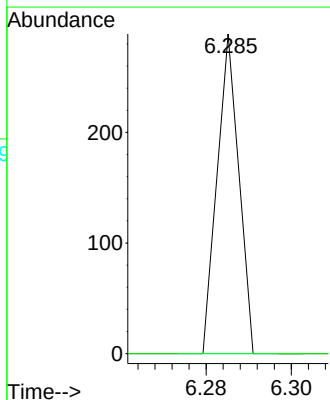
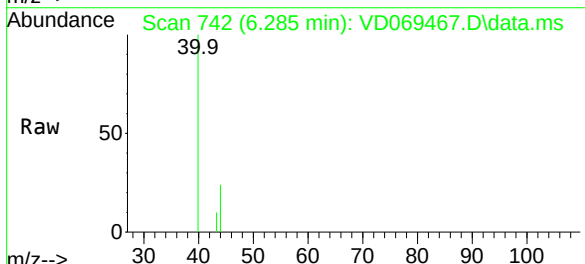
Acq: 16 Jun 2021 15:21

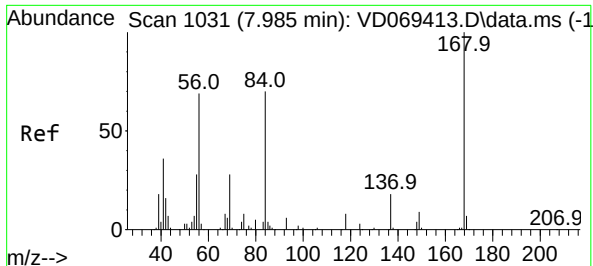
Tgt Ion: 43 Resp: 102

Ion Ratio Lower Upper

43 100

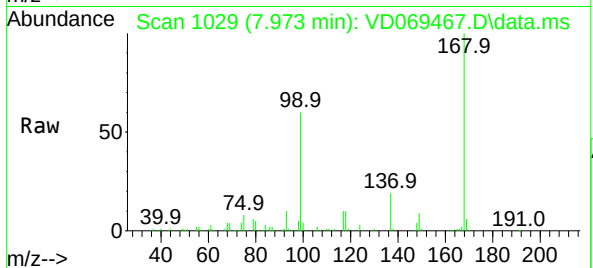
86 0.0 10.5 15.7#



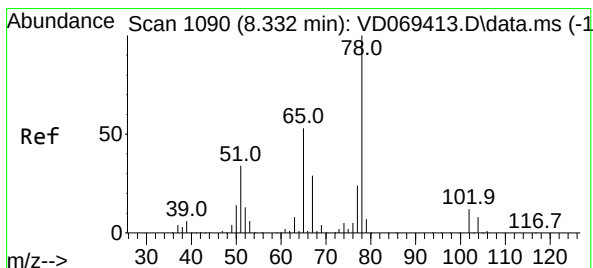
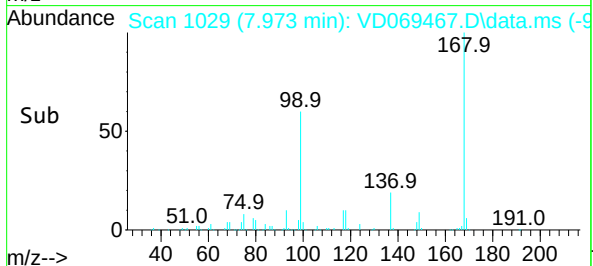
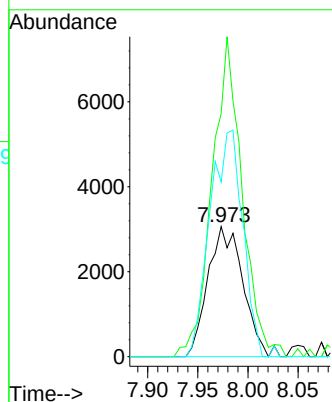


#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Instrument :
MSVOA_D
ClientSampleId :

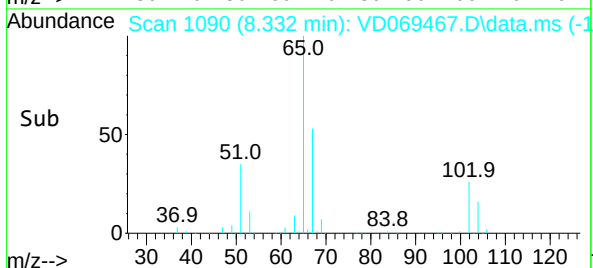
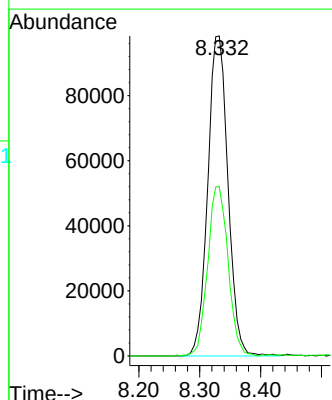
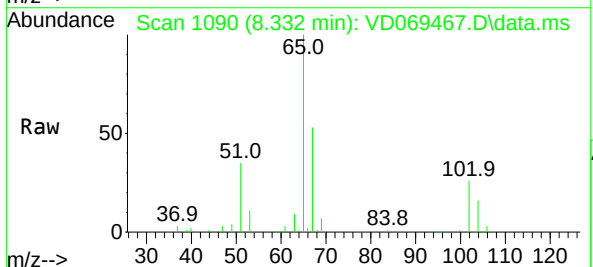


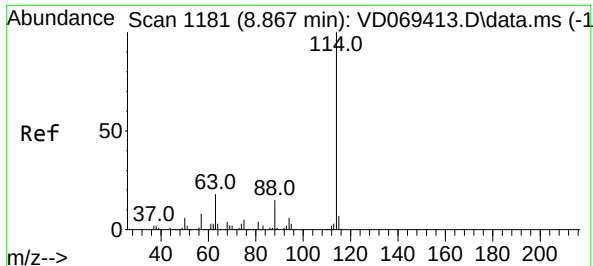
Tgt Ion: 56 Resp: 7474
Ion Ratio Lower Upper
56 100
69 179.6 29.0 43.4#
84 134.3 81.1 121.7#



#33
1,2-Dichloroethane-d4
Concen: 51.675 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion: 65 Resp: 226372
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

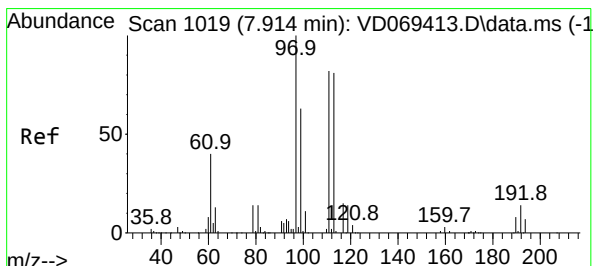
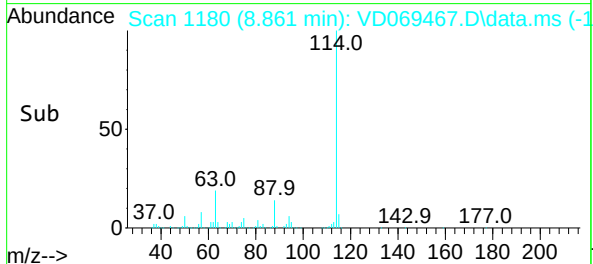
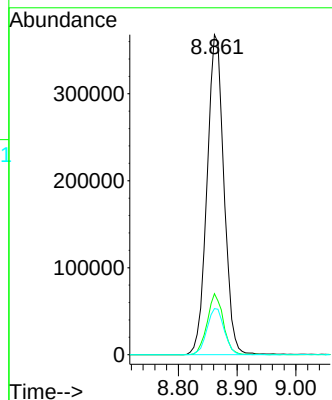
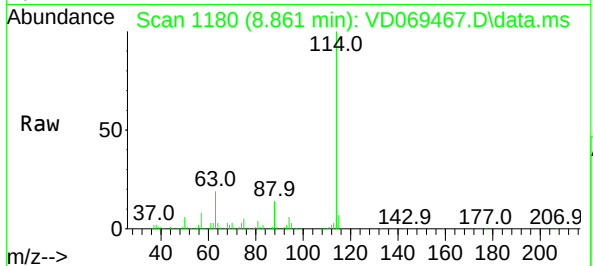




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

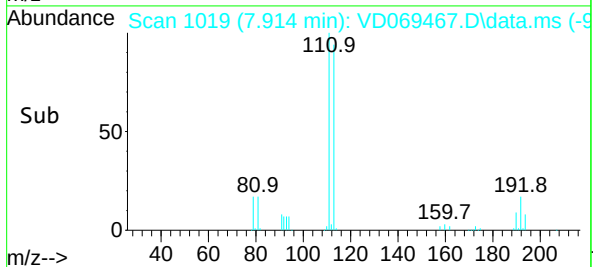
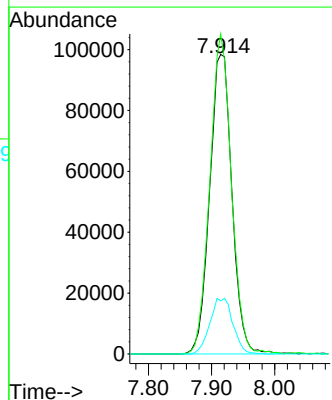
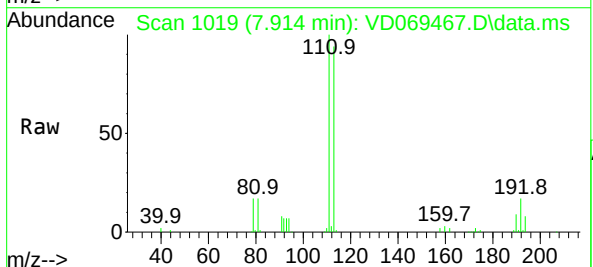
Instrument :
MSVOA_D
ClientSampleId :

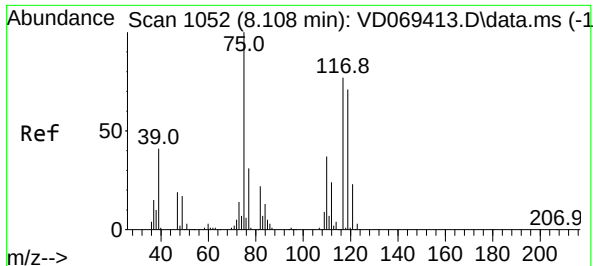
Tgt Ion:	114	Resp:	735189
Ion Ratio	Lower	Upper	
114	100		
63	19.1	0.0	35.6
88	14.4	0.0	31.2



#35
Dibromofluoromethane
Concen: 43.806 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion:	113	Resp:	241219
Ion Ratio	Lower	Upper	
113	100		
111	103.4	83.0	124.6
192	19.1	15.1	22.7

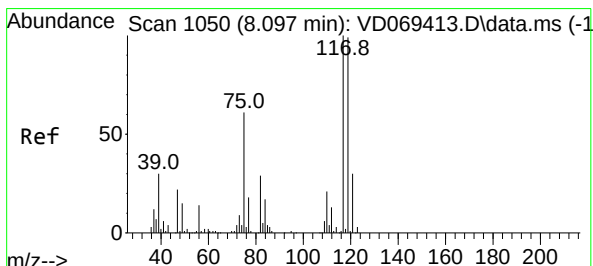
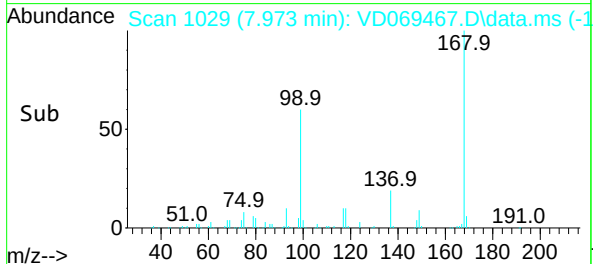
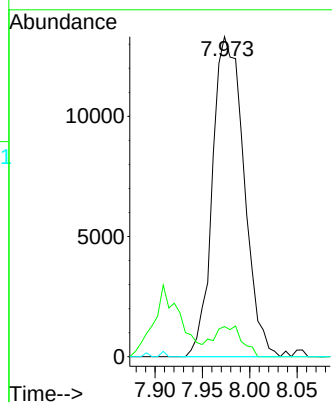
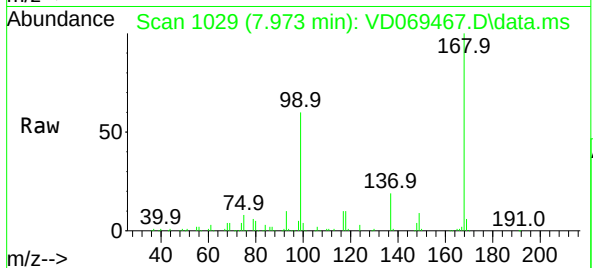




#36
1,1-Dichloropropene
Concen: 4.007 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

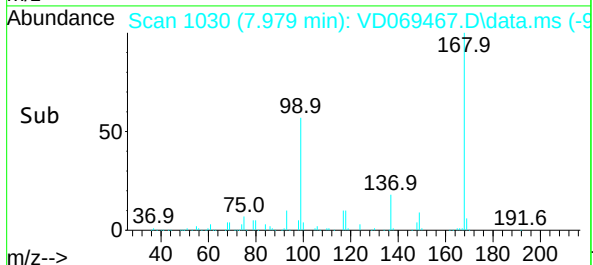
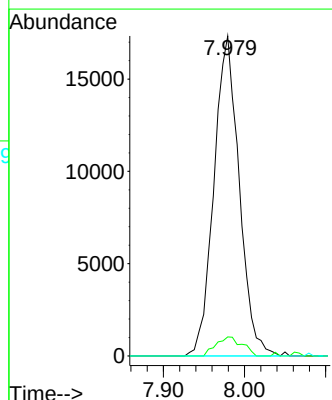
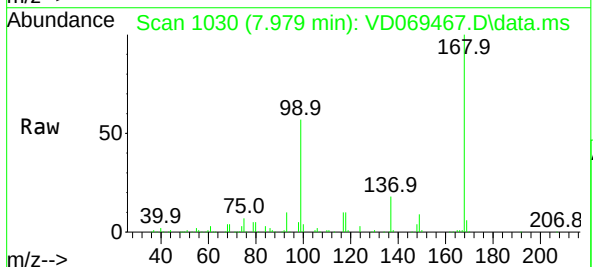
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MSVOA_D
ClientSampleId :

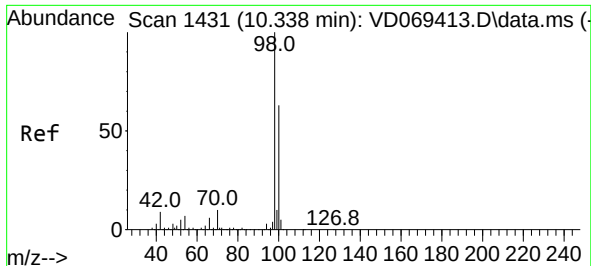
Tgt Ion: 75 Resp: 30676
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.528 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion: 117 Resp: 37551
Ion Ratio Lower Upper
117 100
119 5.9 79.4 119.2#
121 0.0 26.1 39.1#

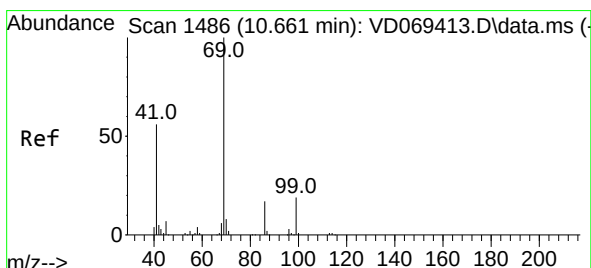
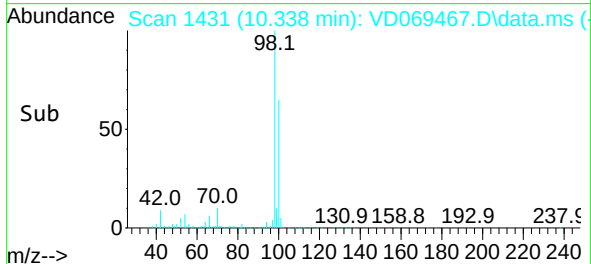
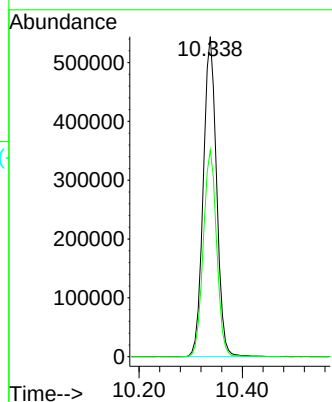
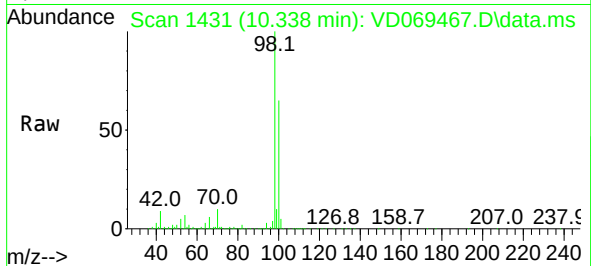




#50
Toluene-d8
Concen: 48.062 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

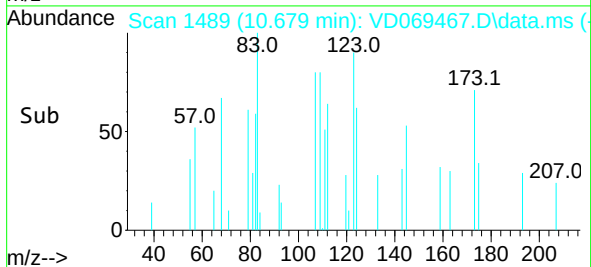
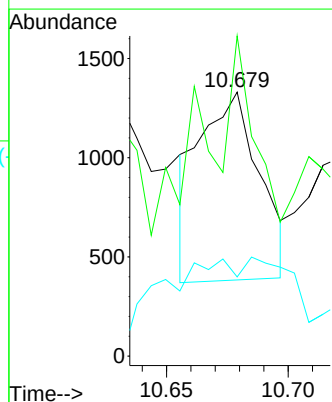
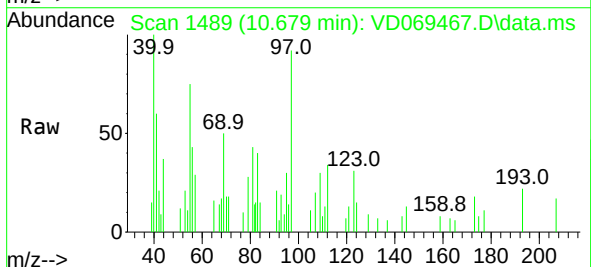
Instrument :
MSVOA_D
ClientSampleId :

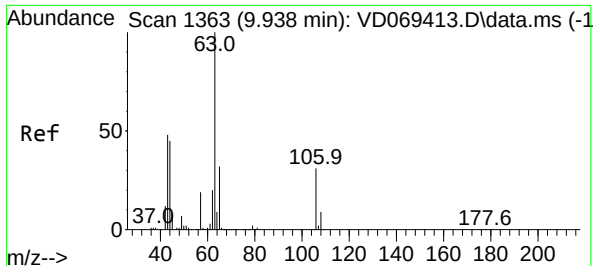
Tgt Ion: 98 Resp: 967973
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#56
Ethyl methacrylate
Concen: 3.136 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion: 69 Resp: 1629
Ion Ratio Lower Upper
69 100
41 96.3 45.4 68.2#
39 67.7 21.7 32.5#

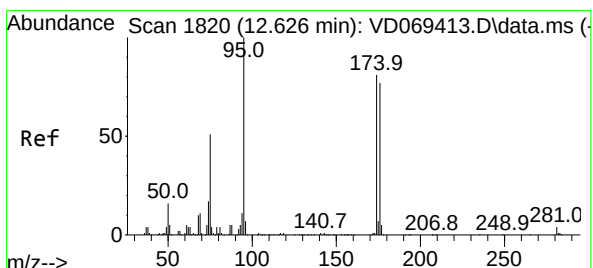
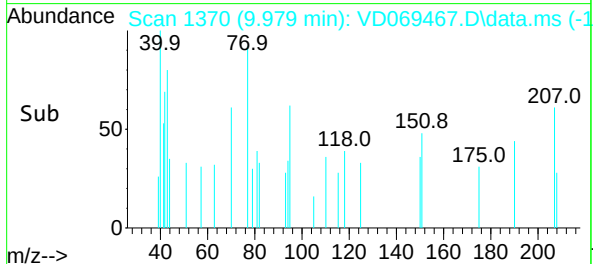
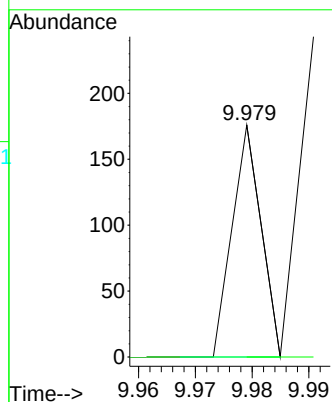
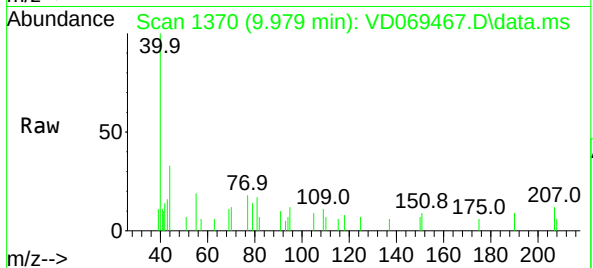




#58
2-Chloroethyl Vinyl ether
Concen: 11.964 ug/l
RT: 9.979 min Scan# 1370
Delta R.T. 0.041 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

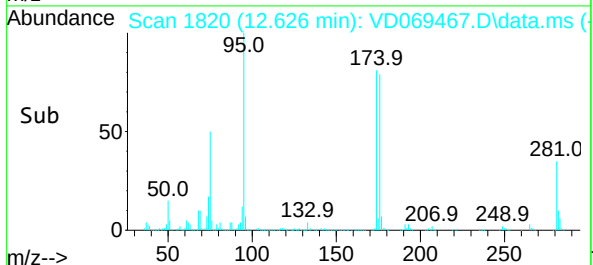
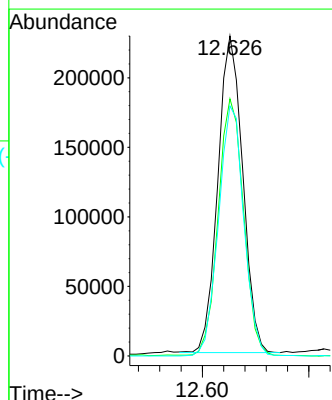
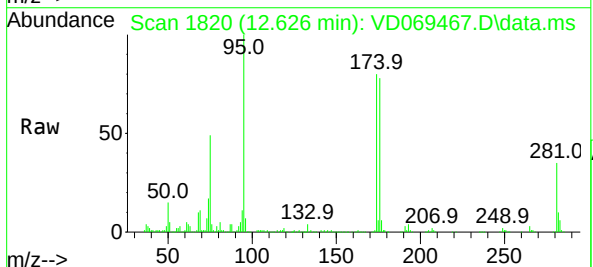
Instrument :
MSVOA_D
ClientSampled :

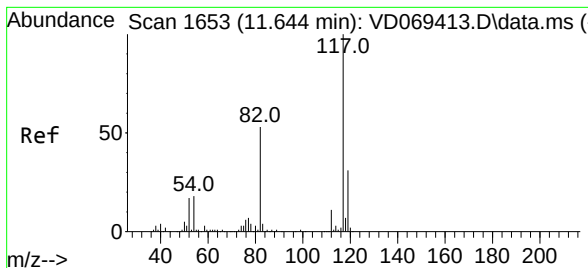
Tgt Ion: 63 Resp: 62
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#



#62
4-Bromofluorobenzene
Concen: 56.892 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion: 95 Resp: 367651
Ion Ratio Lower Upper
95 100
174 83.2 0.0 162.8
176 80.5 0.0 154.4

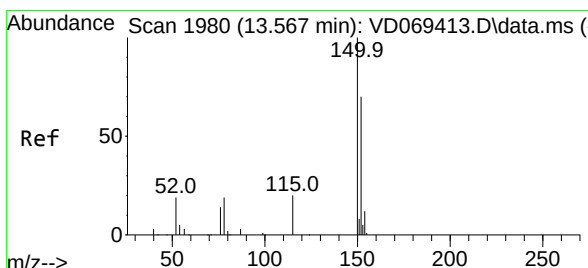
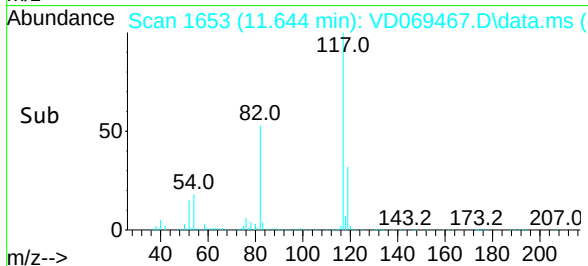
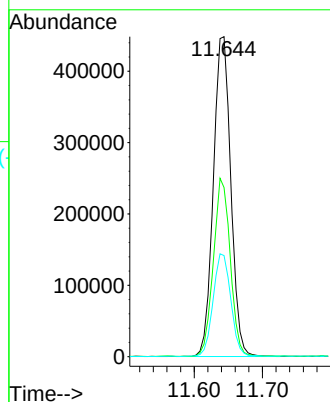
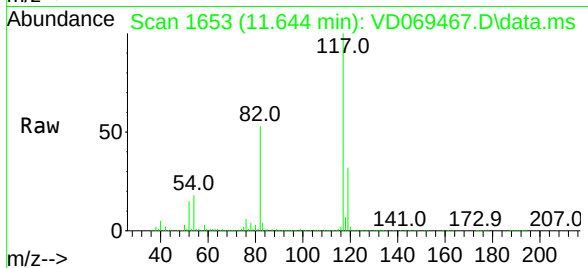




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

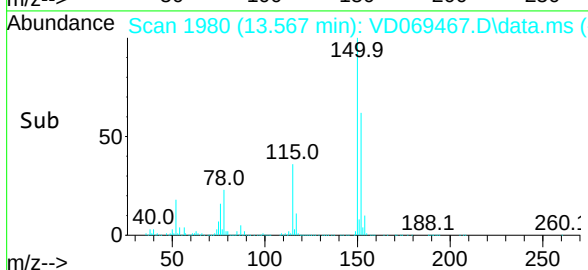
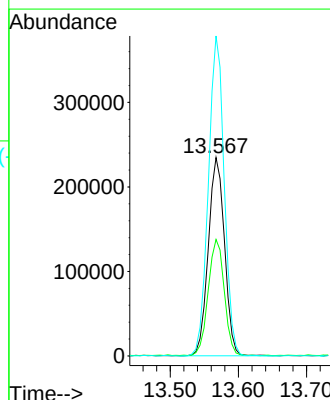
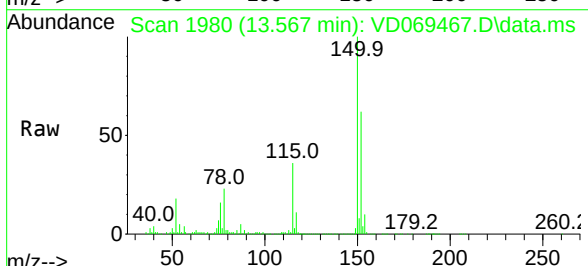
Instrument :
MSVOA_D
ClientSampleId :

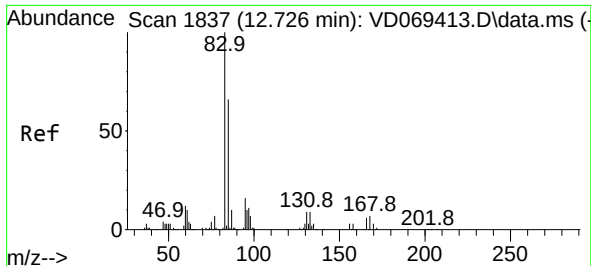
Tgt Ion:117 Resp: 798758
Ion Ratio Lower Upper
117 100
82 52.7 43.3 64.9
119 31.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion:152 Resp: 388749
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.3
150 157.4 0.0 355.0

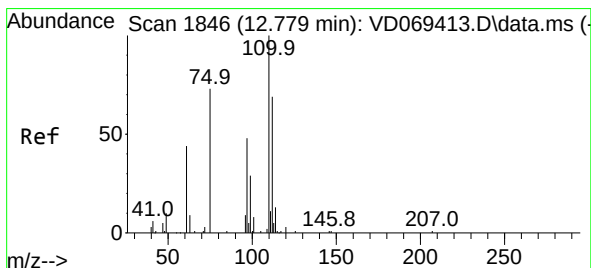
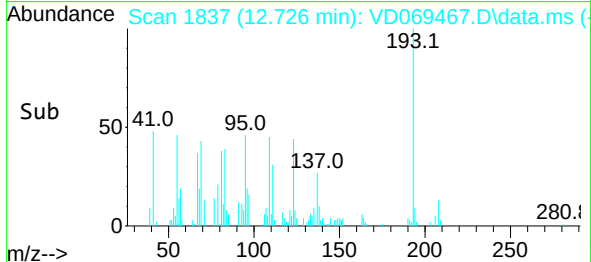
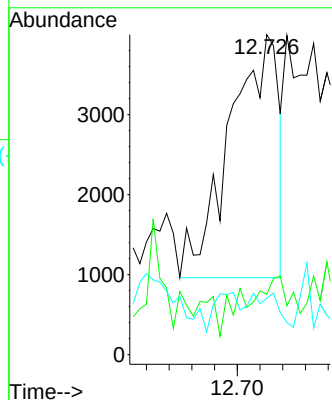
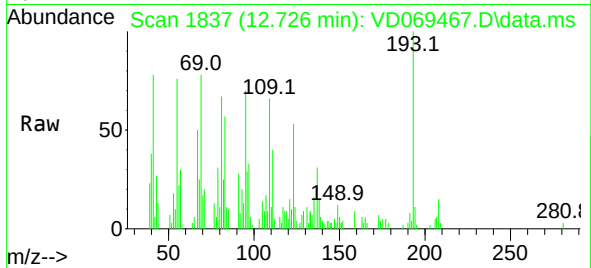




#75
1,1,2,2-Tetrachloroethane
Concen: 1.719 ug/l
RT: 12.726 min Scan# 1837
Delta R.T. -0.000 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

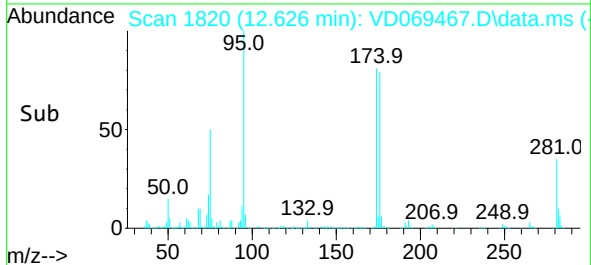
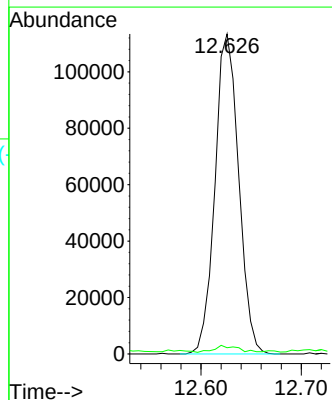
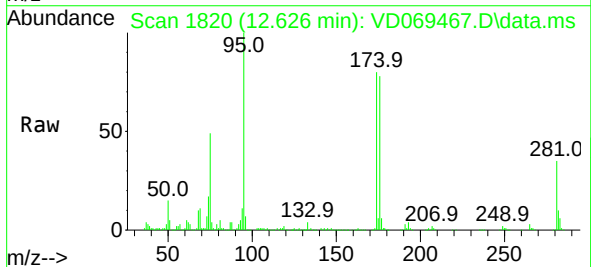
Instrument :
MSVOA_D
ClientSampled :

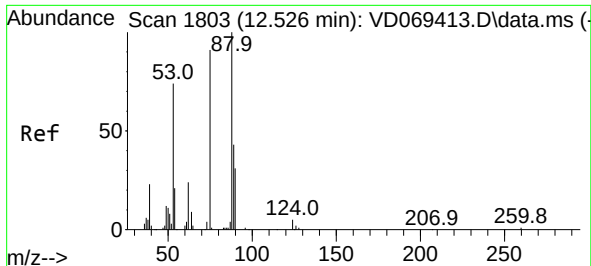
Tgt Ion: 83 Resp: 9020
Ion Ratio Lower Upper
83 100
131 7.8 5.3 16.1
85 0.0 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 47.234 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion: 75 Resp: 186161
Ion Ratio Lower Upper
75 100
77 2.3 183.8 551.2#

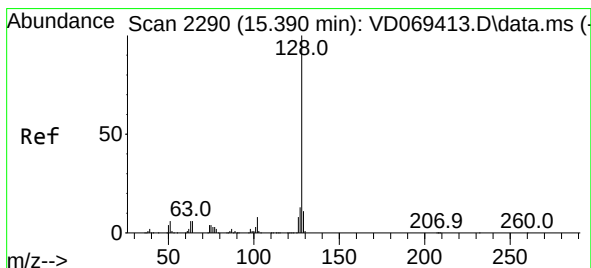
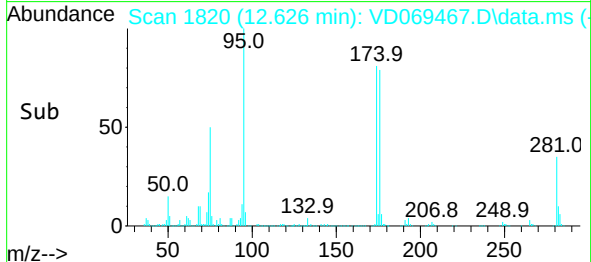
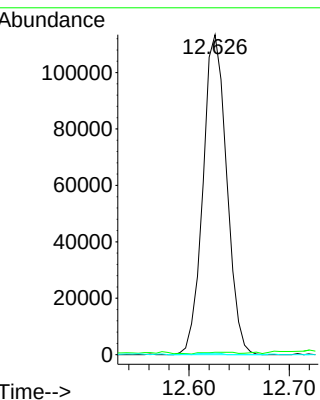
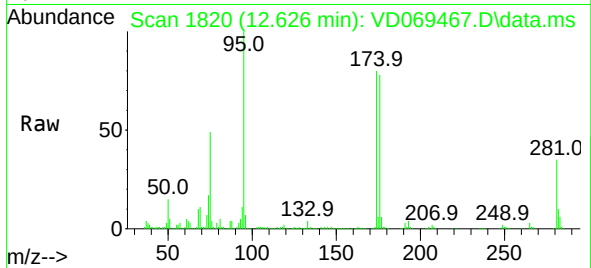




#81
trans-1,4-Dichloro-2-butene
Concen: 126.008 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 186161
Ion Ratio Lower Upper
75 100
53 0.8 62.6 94.0#
89 0.5 35.6 53.4#



#95
Naphthalene
Concen: 3.615 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069467.D
Acq: 16 Jun 2021 15:21

Tgt Ion:128 Resp: 643
Ion Ratio Lower Upper
128 100
127 69.7 10.4 15.6#
129 62.5 8.8 13.2#

