

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061421\
 Data File : VD069422.D
 Acq On : 14 Jun 2021 13:02
 Operator : VA/SY
 Sample : M2687-10
 Misc : 4.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 07:25:53 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)

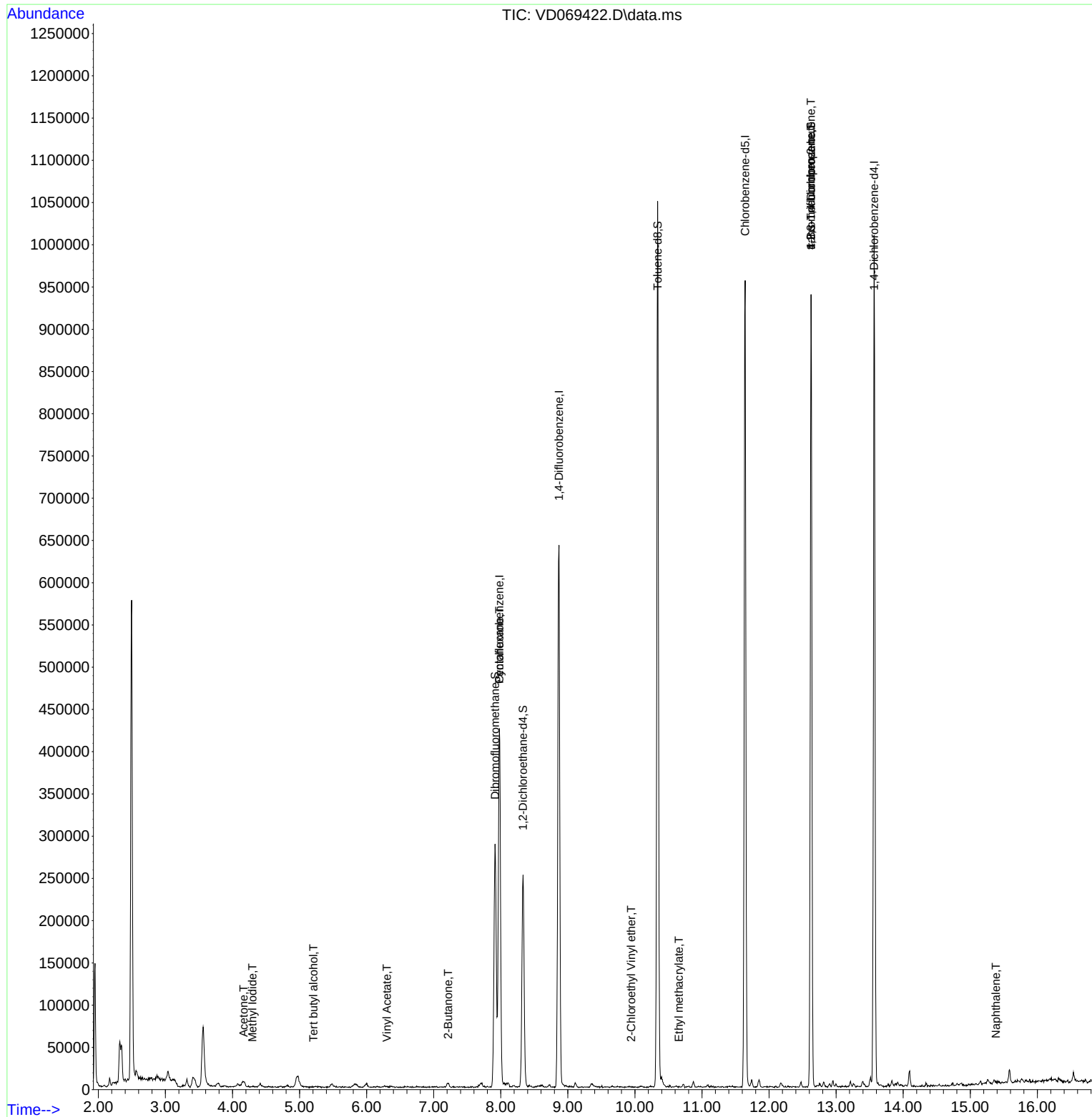
Internal Standards						
1) Pentafluorobenzene	7.979	168	317120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	573356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	578931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	265573	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	202895	56.71	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.42%			
35) Dibromofluoromethane	7.914	113	210387	48.99	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.98%			
50) Toluene-d8	10.338	98	714427	45.49	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.98%			
62) 4-Bromofluorobenzene	12.626	95	245244	48.66	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.32%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	1879	Below Cal		91
10) Methyl Iodide	4.297	142	585	3.48 ug/l #		83
11) Tert butyl alcohol	5.208	59	443	2.38 ug/l #		73
16) Acetone	4.167	43	14747	24.90 ug/l		94
18) Methyl Acetate	4.726	43	332	Below Cal #		46
20) Methylene Chloride	4.985	84	11373	Below Cal #		70
23) Vinyl Acetate	6.303	43	425	17.66 ug/l #		67
25) 2-Butanone	7.214	43	2558	3.46 ug/l #		81
31) Cyclohexane	7.979	56	8156	1.68 ug/l #		31
56) Ethyl methacrylate	10.655	69	62	2.84 ug/l #		8
58) 2-Chloroethyl Vinyl ether	9.944	63	151	12.01 ug/l #		44
76) 1,2,3-Trichloropropane	12.626	75	119618	44.43 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	119618	118.52 ug/l #		18
95) Naphthalene	15.384	128	2543	3.83 ug/l #		95

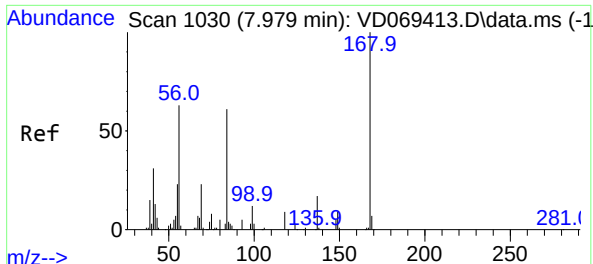
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
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Response via : Initial Calibration

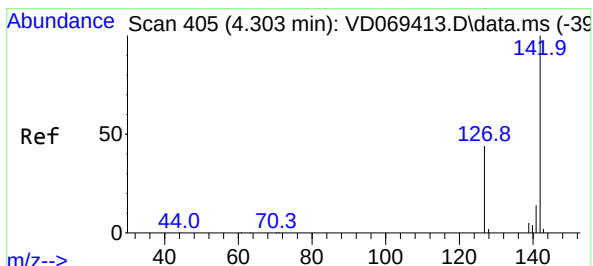
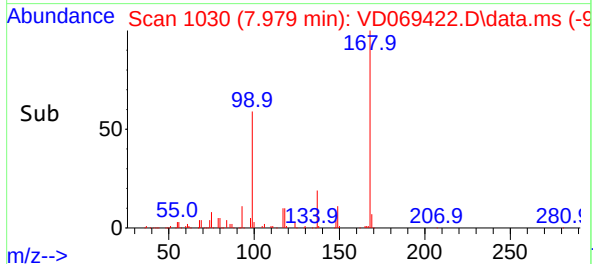
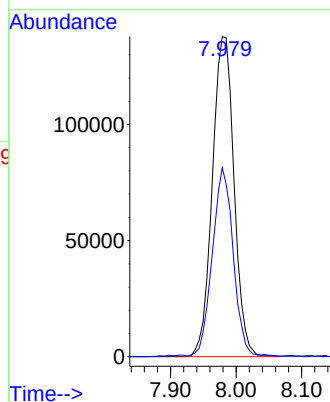
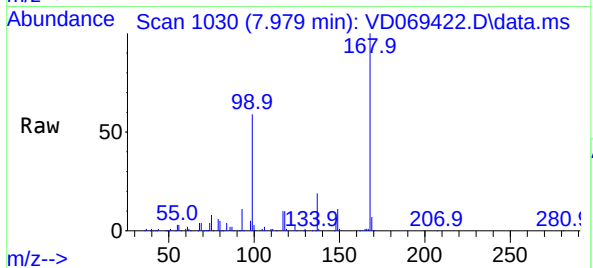




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

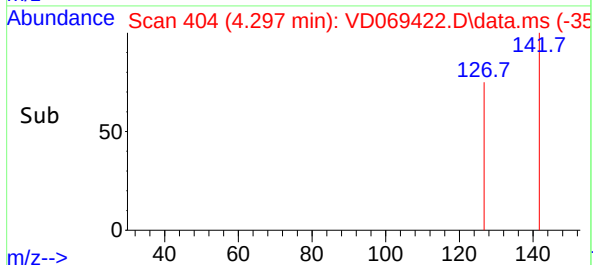
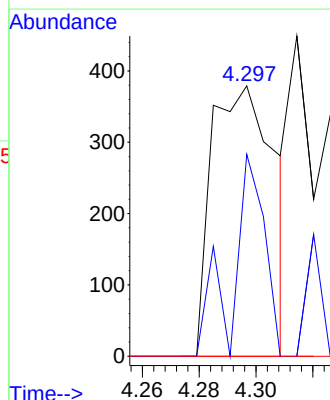
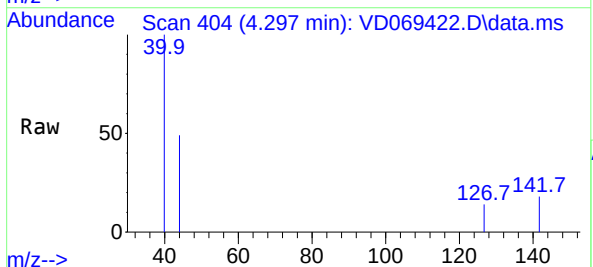
Instrument :
MSVOA_D
ClientSampled :

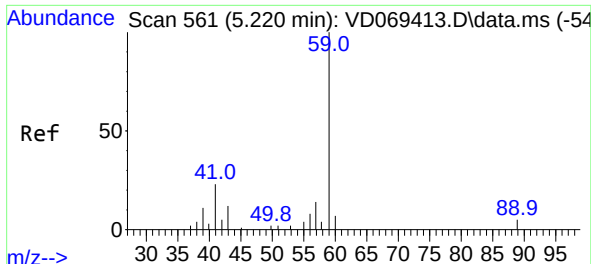
Tgt Ion:168 Resp: 317120
Ion Ratio Lower Upper
168 100
99 58.9 46.2 69.2



#10
Methyl Iodide
Concen: 3.48 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Tgt Ion:142 Resp: 585
Ion Ratio Lower Upper
142 100
127 38.1 36.2 54.2
141 0.0 12.2 18.2#



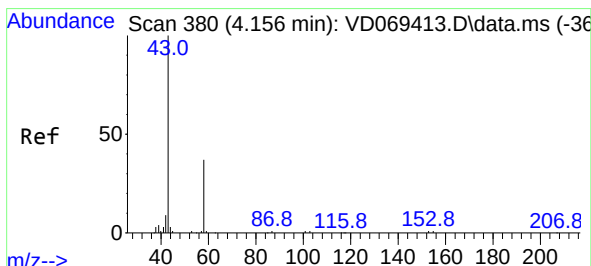
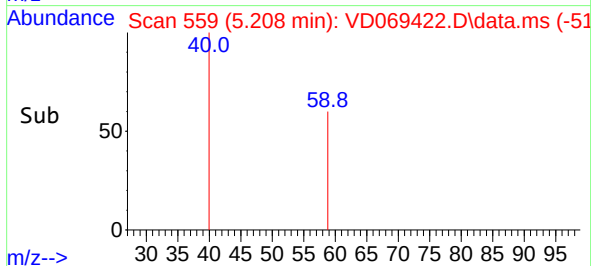
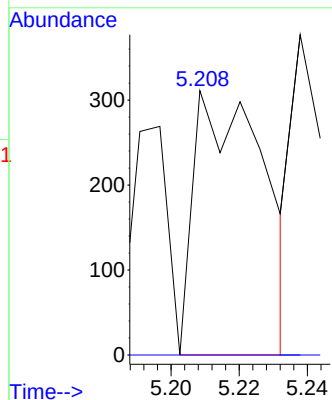
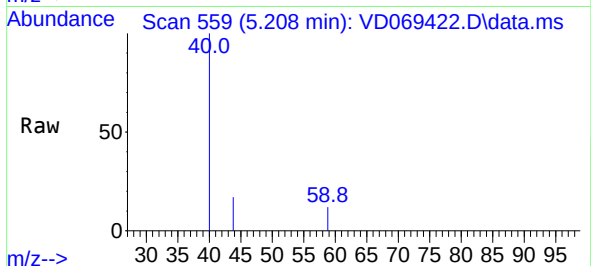


#11

Tert butyl alcohol
Concen: 2.38 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Instrument :
MSVOA_D
ClientSampled :

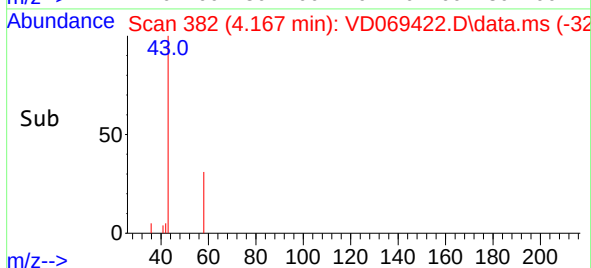
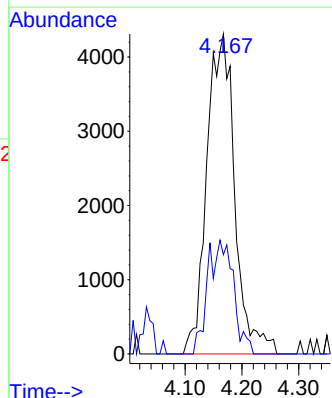
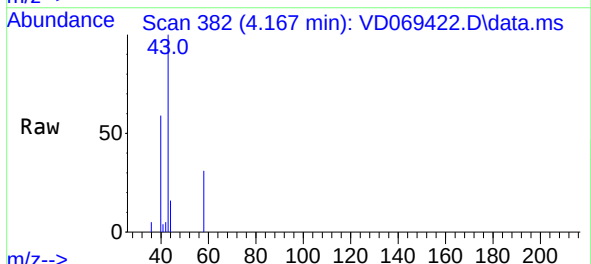
Tgt Ion: 59 Resp: 443
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

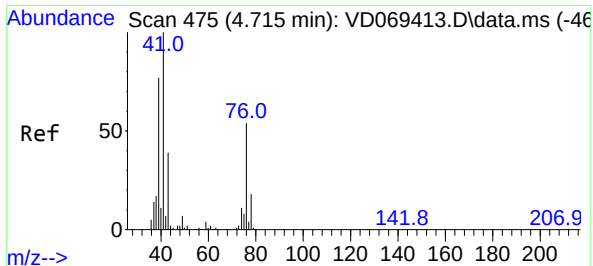


#16

Acetone
Concen: 24.90 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

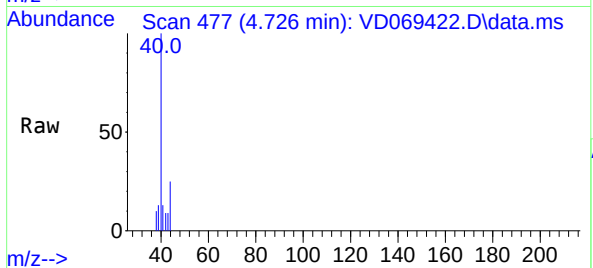
Tgt Ion: 43 Resp: 14747
Ion Ratio Lower Upper
43 100
58 31.0 27.5 41.3



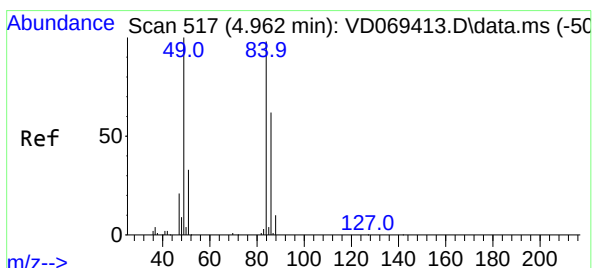
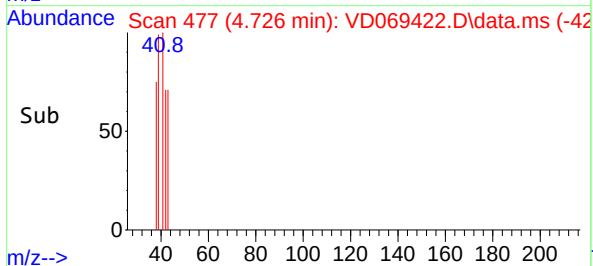
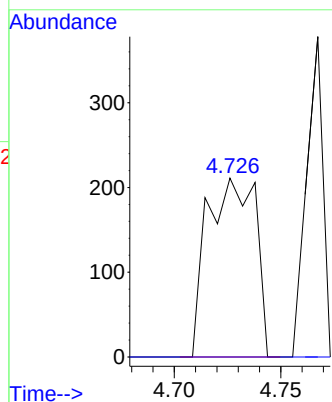


#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.011 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Instrument :
MSVOA_D
ClientSampleId :

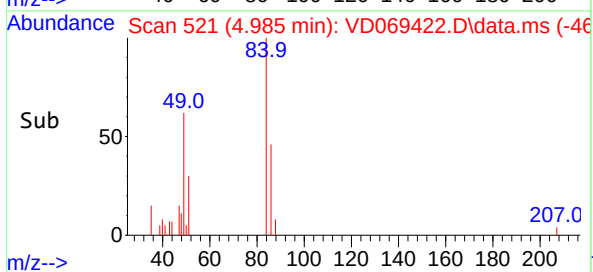
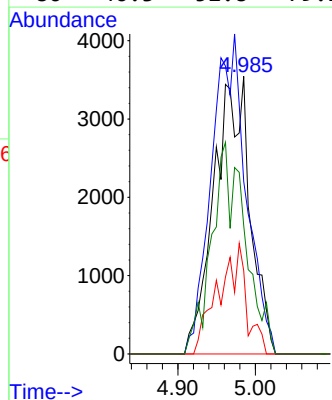
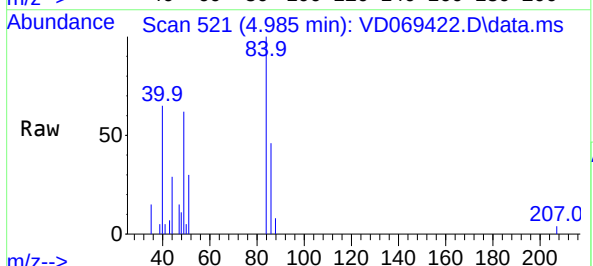


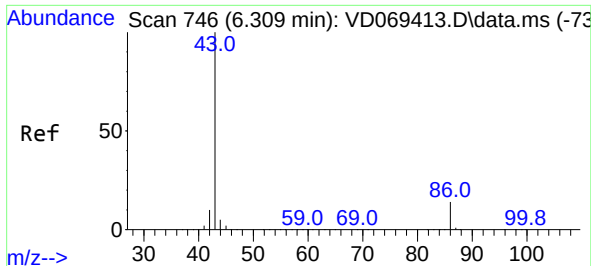
Tgt Ion: 43 Resp: 332
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.985 min Scan# 521
Delta R.T. 0.023 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Tgt Ion: 84 Resp: 11373
Ion Ratio Lower Upper
84 100
49 62.2 83.7 125.5#
51 30.0 26.4 39.6
86 46.3 52.8 79.2#

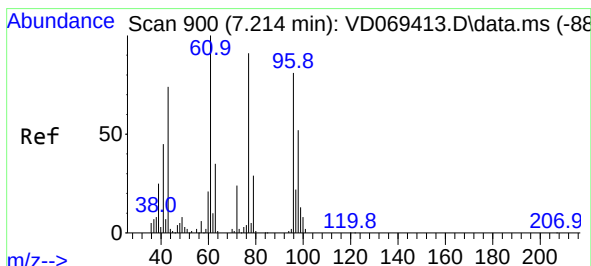
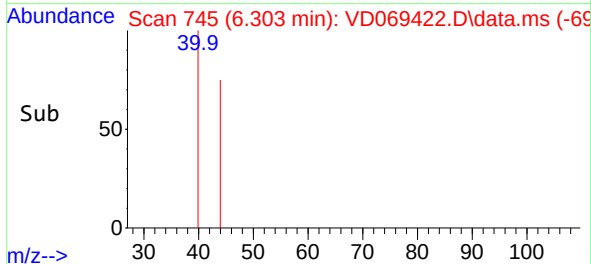
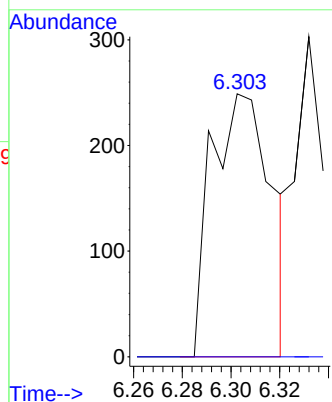
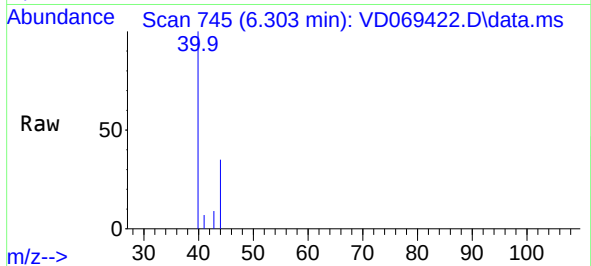




#23
 Vinyl Acetate
 Concen: 17.66 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD069422.D
 Acq: 14 Jun 2021 13:02

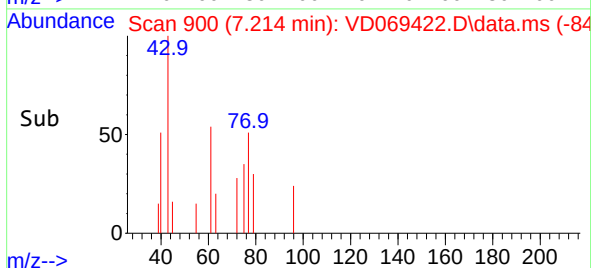
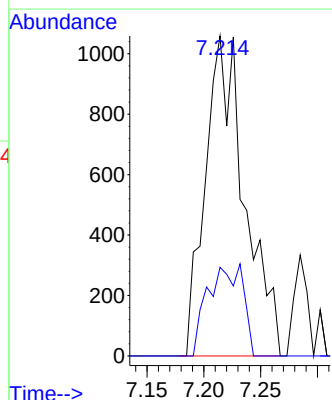
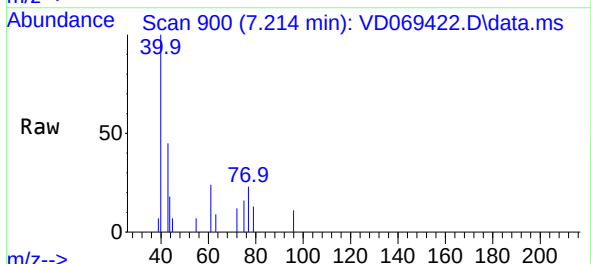
Instrument :
 MSVOA_D
 ClientSampleId :

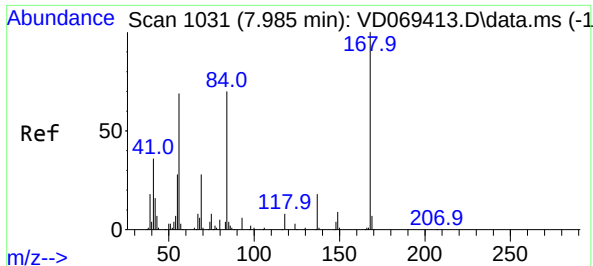
Tgt Ion: 43 Resp: 425
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 3.46 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.000 min
 Lab File: VD069422.D
 Acq: 14 Jun 2021 13:02

Tgt Ion: 43 Resp: 2558
 Ion Ratio Lower Upper
 43 100
 72 19.8 23.9 35.9#

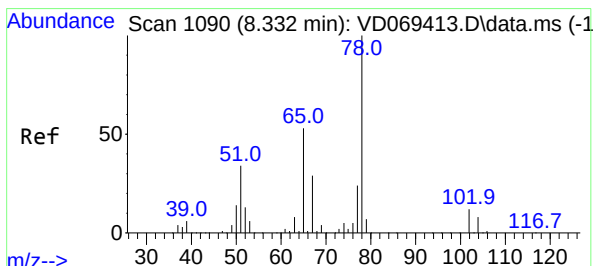
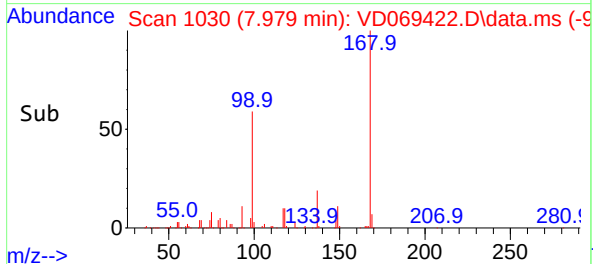
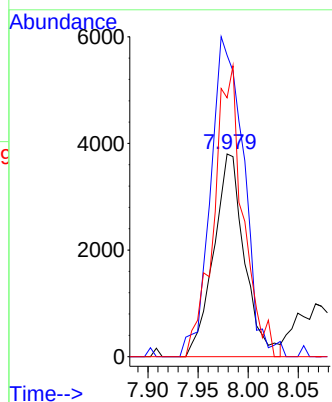
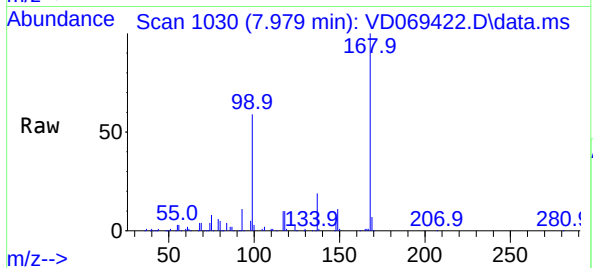




#31
Cyclohexane
Concen: 1.68 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

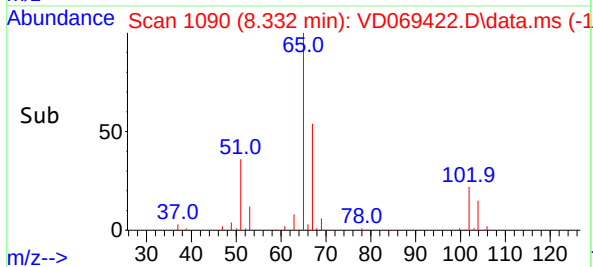
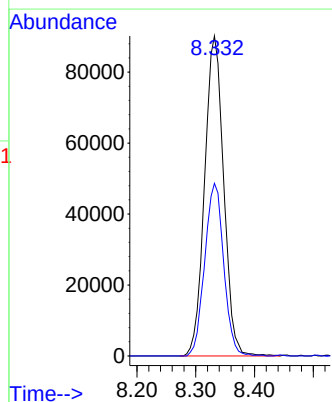
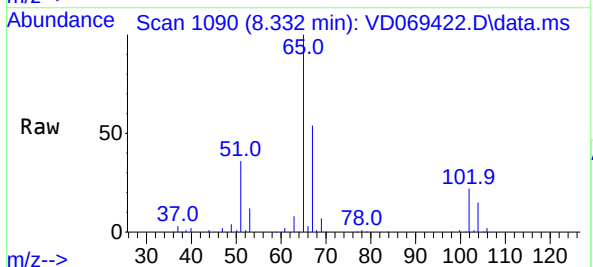
Instrument :
MSVOA_D
ClientSampleId :

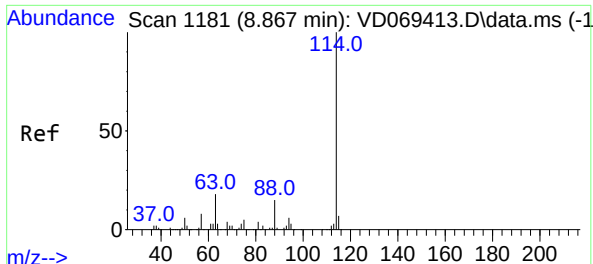
Tgt Ion: 56 Resp: 8156
Ion Ratio Lower Upper
56 100
69 148.6 29.0 43.4#
84 127.7 81.1 121.7#



#33
1,2-Dichloroethane-d4
Concen: 56.71 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Tgt Ion: 65 Resp: 202895
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8



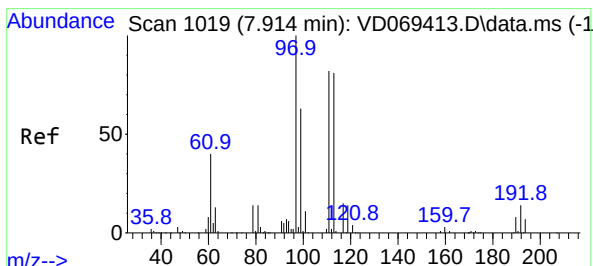
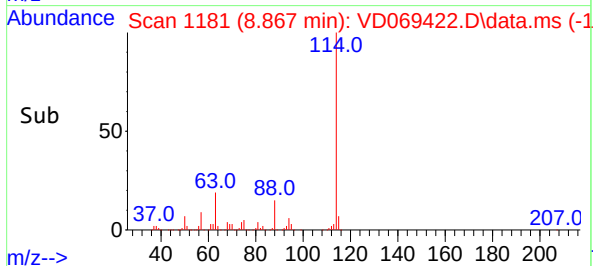
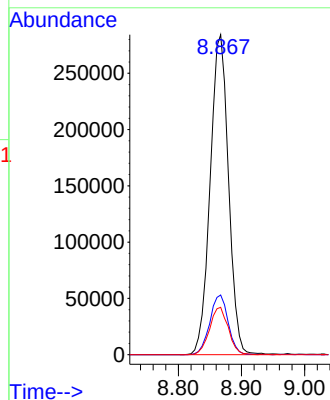
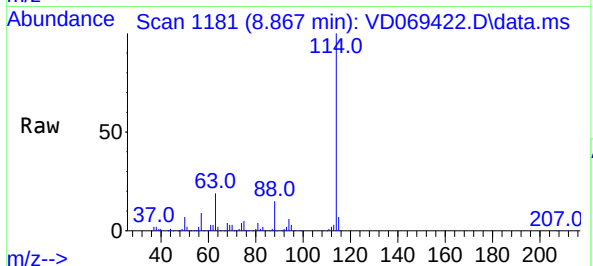


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Instrument :
MSVOA_D
ClientSampled :

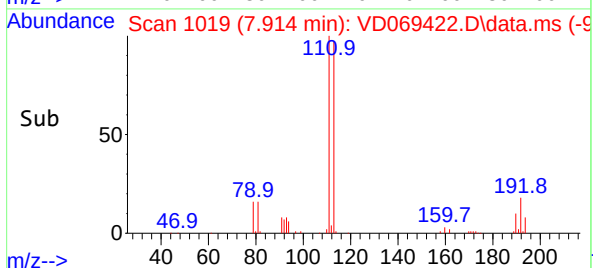
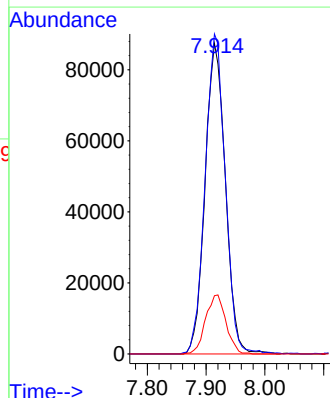
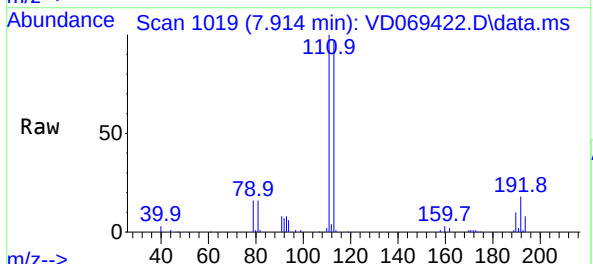
Tgt Ion:	114	Resp:	573356
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	35.6
88	14.8	0.0	31.2

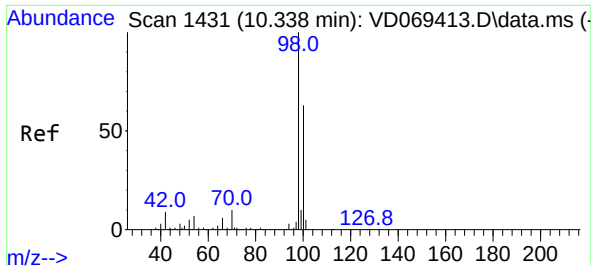


#35

Dibromofluoromethane
Concen: 48.99 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Tgt Ion:	113	Resp:	210387
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.6
192	19.1	15.1	22.7

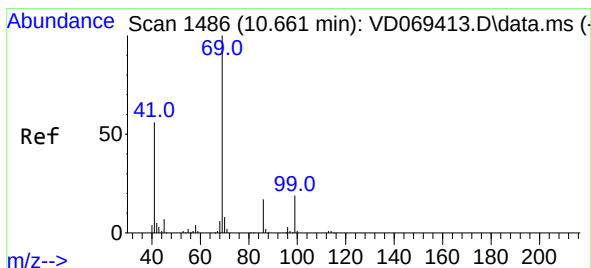
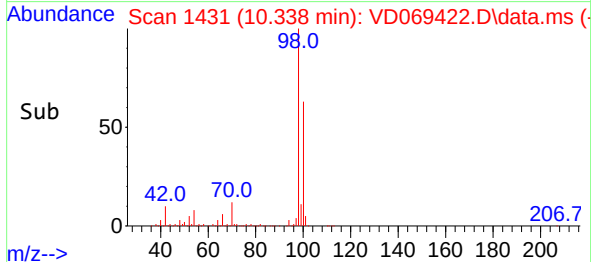
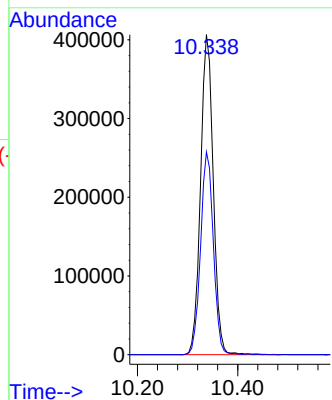
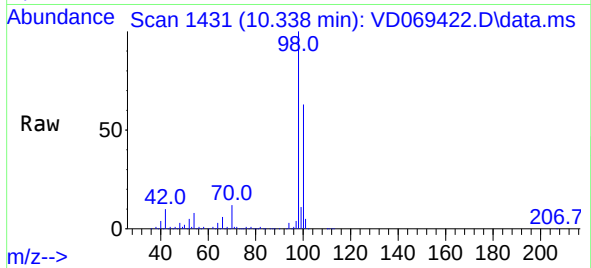




#50
Toluene-d8
Concen: 45.49 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

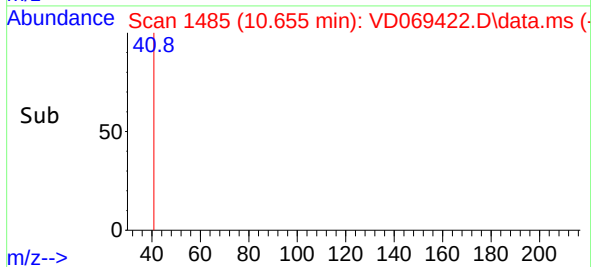
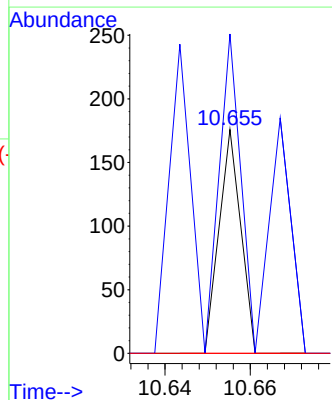
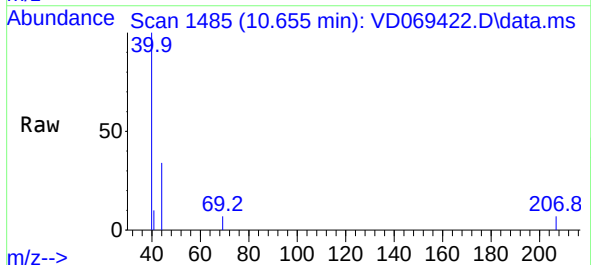
Instrument :
MSVOA_D
ClientSampleId :

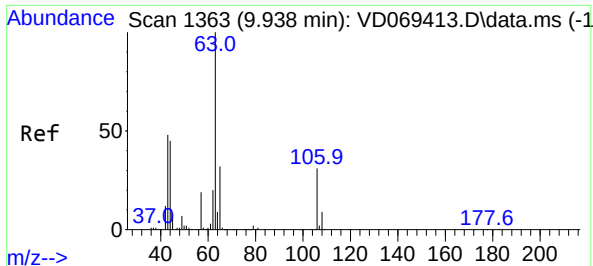
Tgt Ion: 98 Resp: 714427
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#56
Ethyl methacrylate
Concen: 2.84 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 138.7 45.4 68.2#
39 0.0 21.7 32.5#

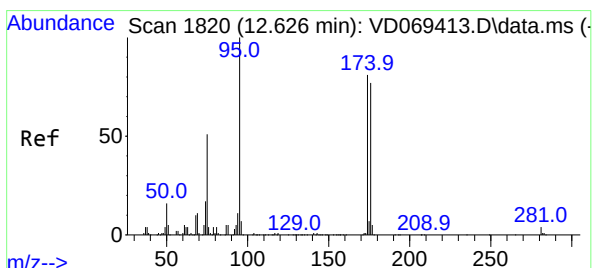
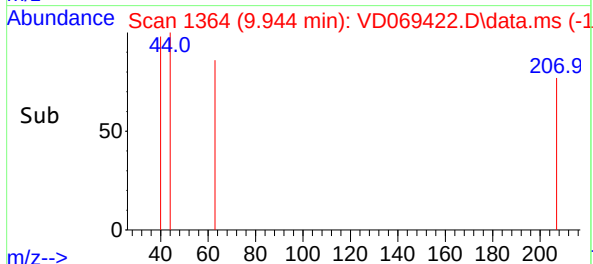
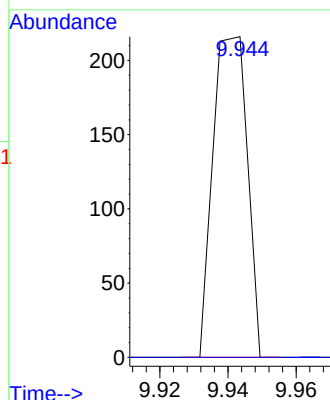
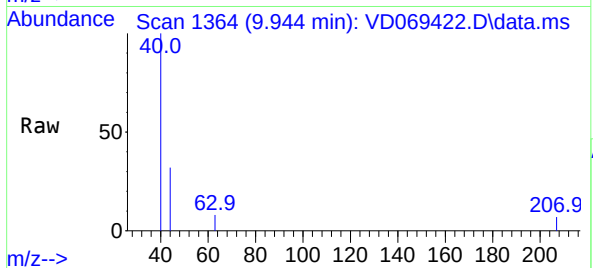




#58
2-Chloroethyl Vinyl ether
Concen: 12.01 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

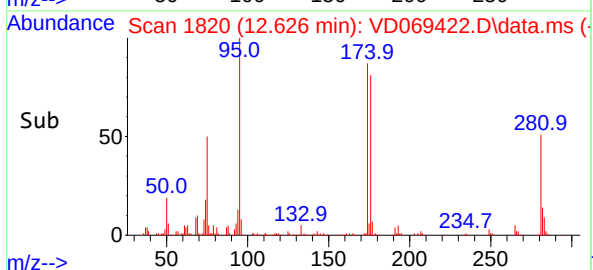
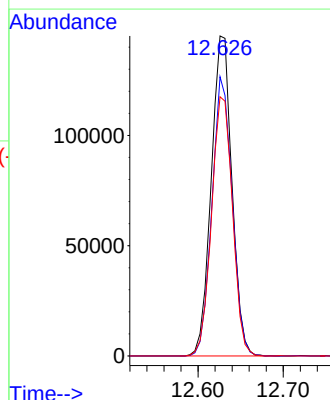
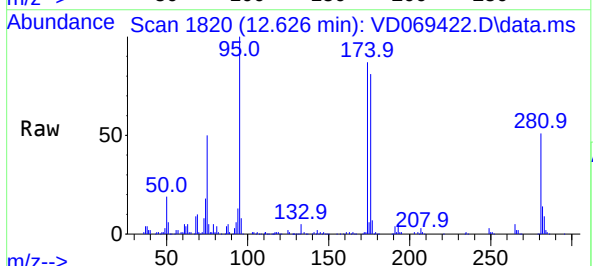
Instrument :
MSVOA_D
ClientSampled :

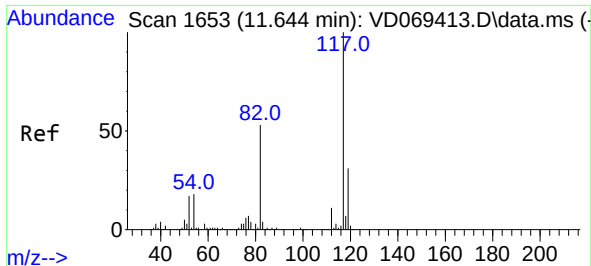
Tgt Ion: 63 Resp: 151
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#



#62
4-Bromofluorobenzene
Concen: 48.66 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Tgt Ion: 95 Resp: 245244
Ion Ratio Lower Upper
95 100
174 85.2 0.0 162.8
176 81.9 0.0 154.4

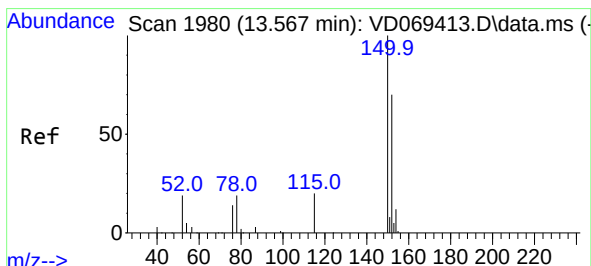
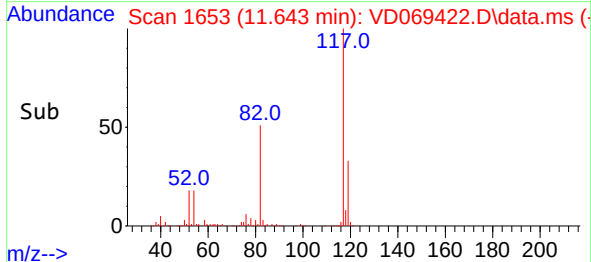
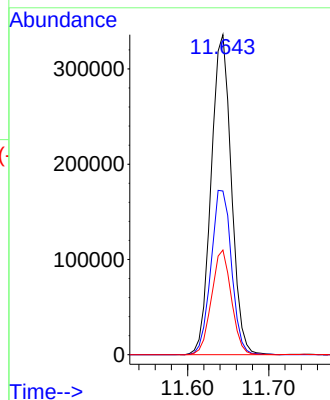
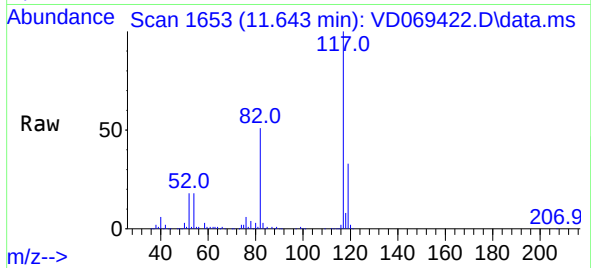




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

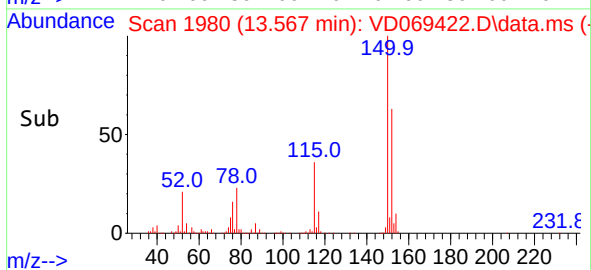
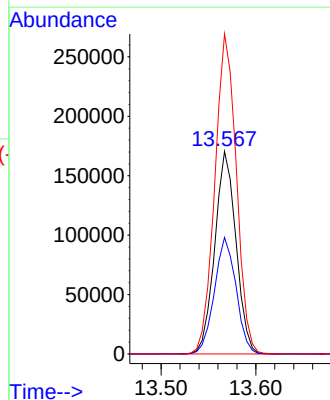
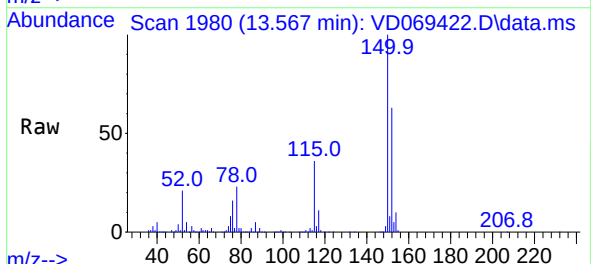
Instrument :
MSVOA_D
ClientSampleId :

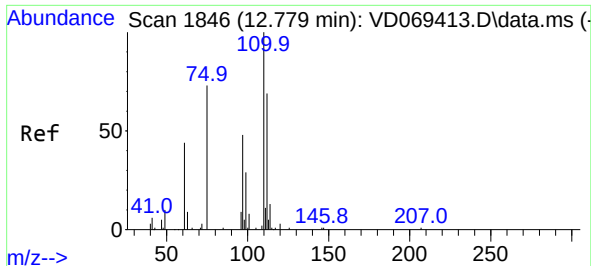
Tgt Ion:	117	Resp:	578931
Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.3	64.9
119	32.7	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Tgt Ion:	152	Resp:	265573
Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.4	88.3
150	160.5	0.0	355.0

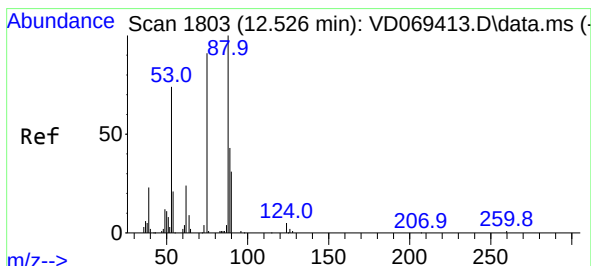
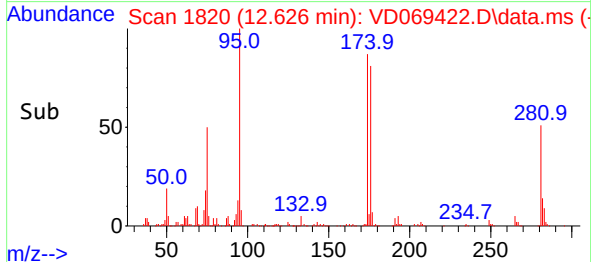
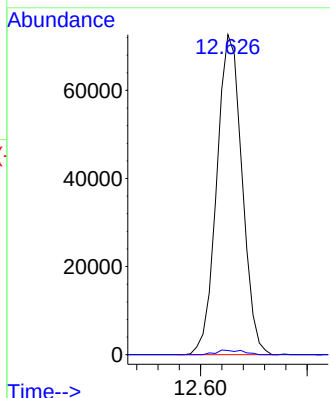
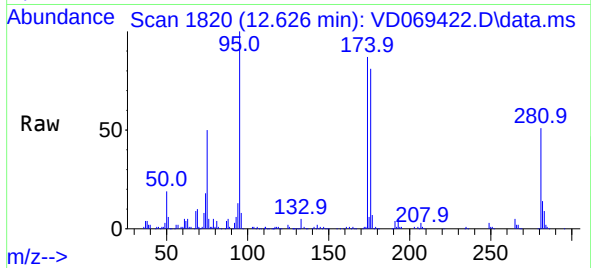




#76
1,2,3-Trichloropropane
Concen: 44.43 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

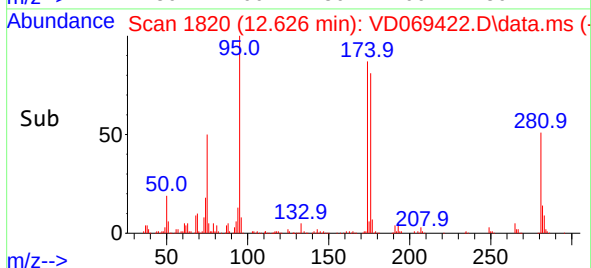
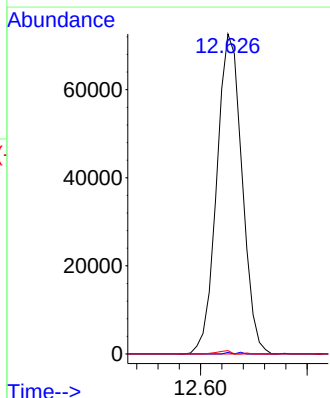
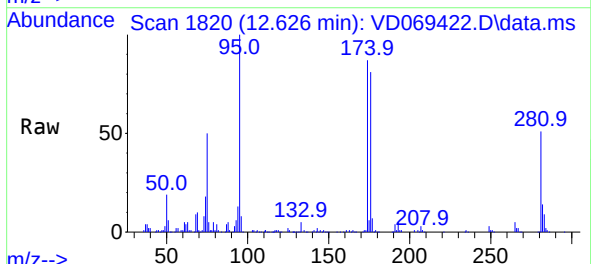
Instrument :
MSVOA_D
ClientSampleId :

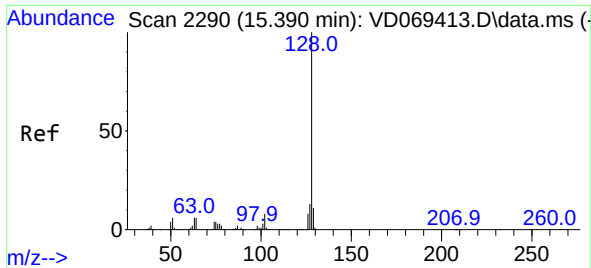
Tgt Ion: 75 Resp: 119618
Ion Ratio Lower Upper
75 100
77 1.5 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.52 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

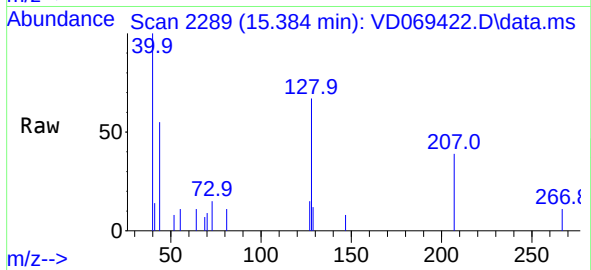
Tgt Ion: 75 Resp: 119618
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.5 35.6 53.4#





#95
Naphthalene
Concen: 3.83 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069422.D
Acq: 14 Jun 2021 13:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 2543
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 14.3 8.8 13.2#

