

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051021\
 Data File : VD069125.D
 Acq On : 10 May 2021 16:14
 Operator : VA/SY
 Sample : M2295-01RE
 Misc : 3.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-A-B-CRE

Quant Time: May 11 01:04:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

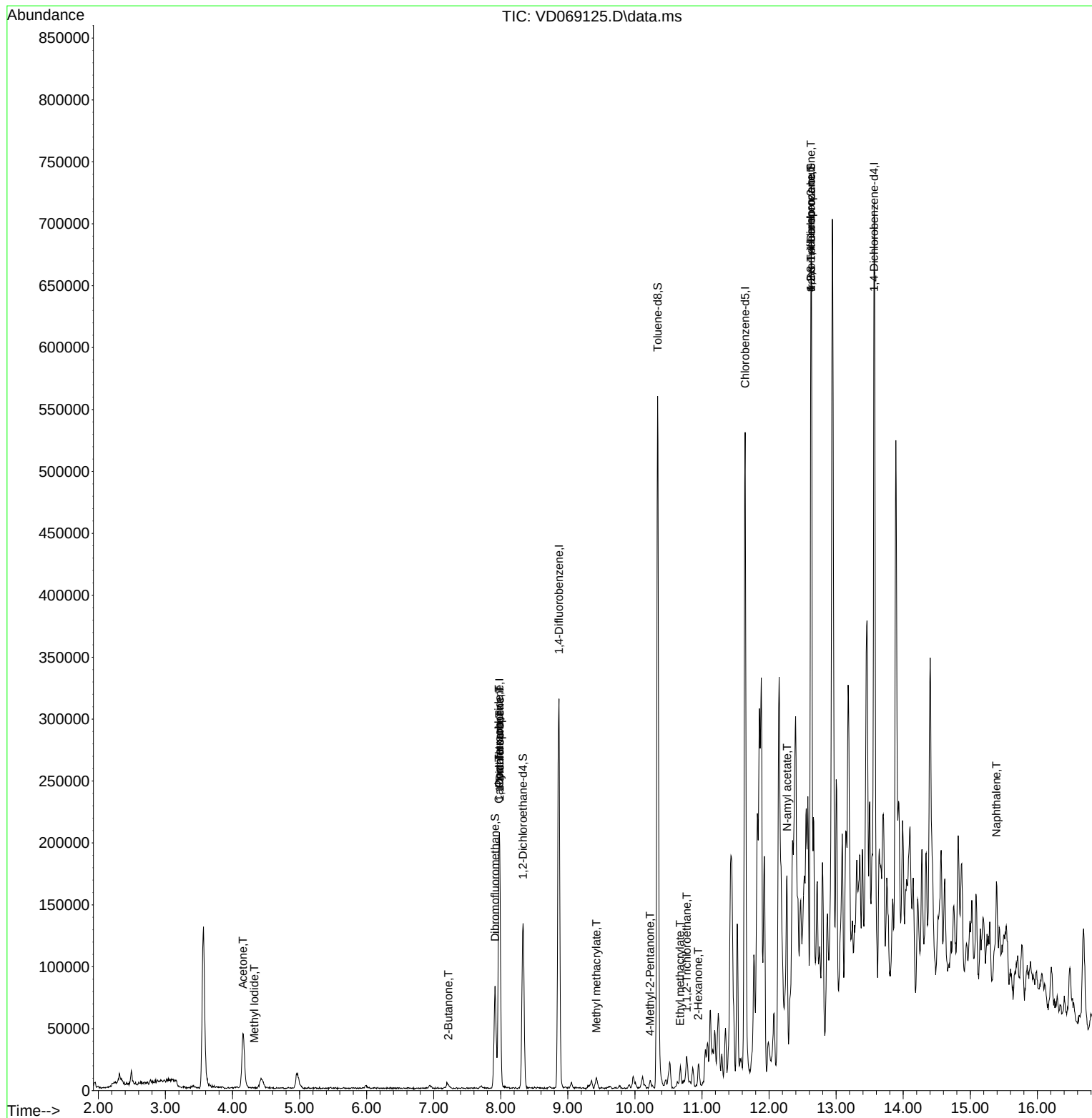
Internal Standards						
1) Pentafluorobenzene	7.979	168	153223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	283064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	312962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	157732	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	107596	54.49	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.98%			
35) Dibromofluoromethane	7.914	113	55336	28.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 57.02%			
50) Toluene-d8	10.338	98	369191	51.52	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.04%			
62) 4-Bromofluorobenzene	12.626	95	149009	63.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 126.42%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.326	142	57	3.20	ug/l #	35
11) Tert butyl alcohol	5.238	59	66	Below Cal	#	81
16) Acetone	4.156	43	76514	278.77	ug/l #	87
20) Methylene Chloride	4.950	84	9573	Below Cal	#	74
25) 2-Butanone	7.220	43	1920	4.55	ug/l #	87
31) Cyclohexane	7.979	56	3896	1.36	ug/l #	38
36) 1,1-Dichloropropene	7.985	75	12425	4.17	ug/l #	51
38) Carbon Tetrachloride	7.973	117	15692	4.86	ug/l #	17
48) Methyl methacrylate	9.426	41	2414	2.33	ug/l #	44
51) 4-Methyl-2-Pentanone	10.226	43	3416	3.17	ug/l	87
55) 1,1,2-Trichloroethane	10.773	97	8887	5.74	ug/l #	26
56) Ethyl methacrylate	10.673	69	1833	3.31	ug/l #	17
59) 2-Hexanone	10.944	43	7117	9.78	ug/l #	26
74) N-amyl acetate	12.267	43	30048	13.11	ug/l #	51
76) 1,2,3-Trichloropropane	12.626	75	74103	53.97	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	74103	117.43	ug/l #	12
95) Naphthalene	15.390	128	75029	16.01	ug/l #	96

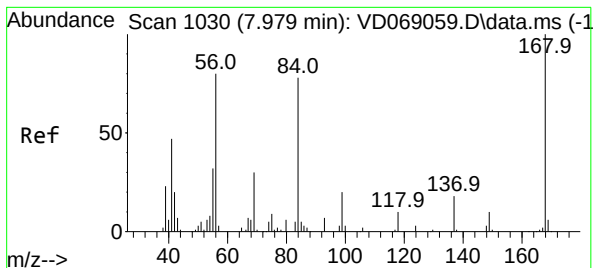
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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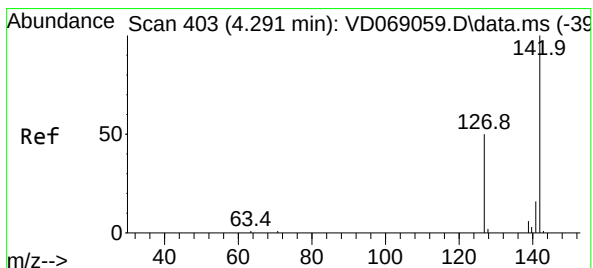
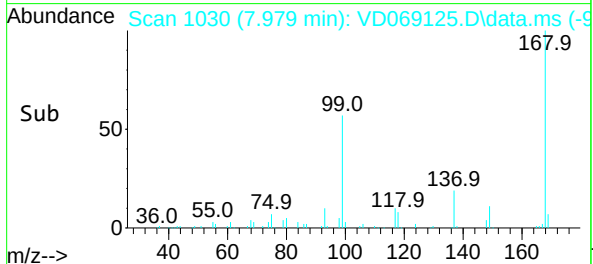
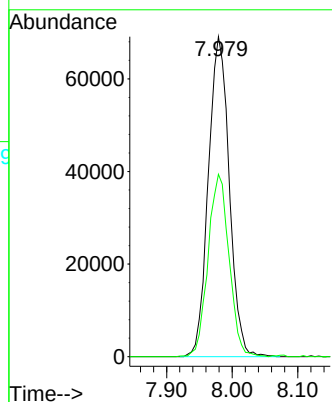
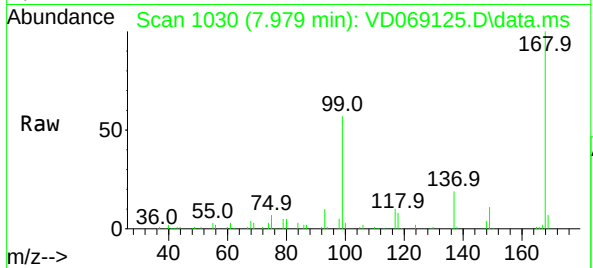




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

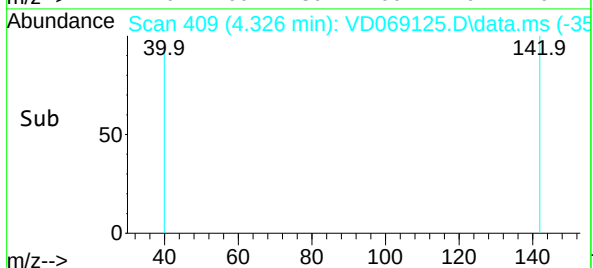
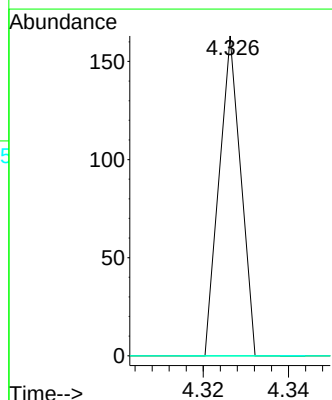
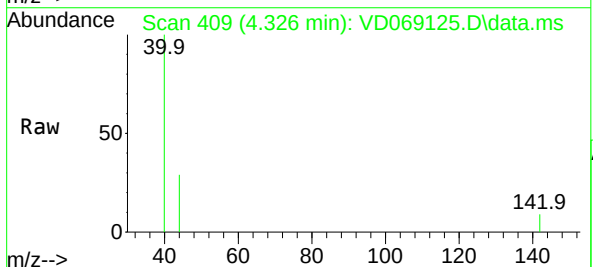
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

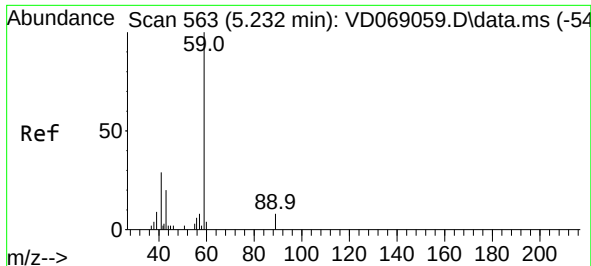
Tgt Ion:168 Resp: 153223
Ion Ratio Lower Upper
168 100
99 56.8 52.6 78.8



#10
Methyl Iodide
Concen: 3.20 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.035 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#

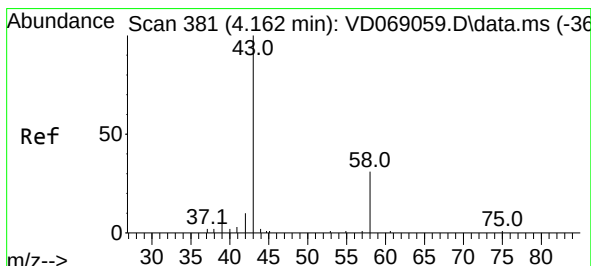
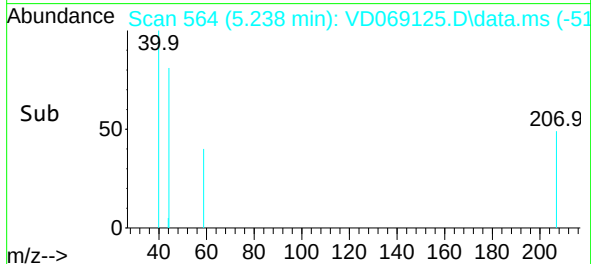
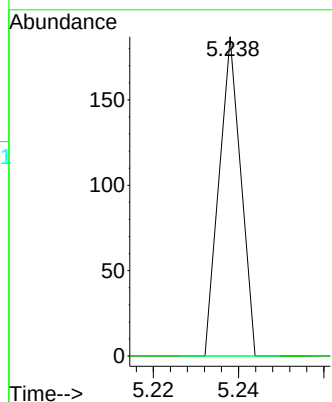
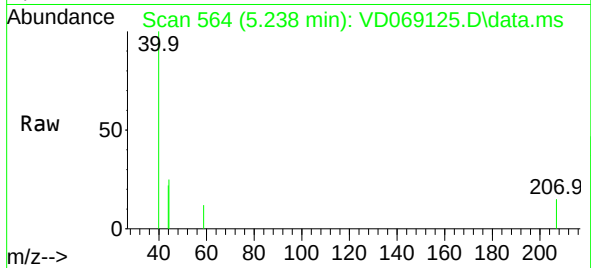




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.006 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

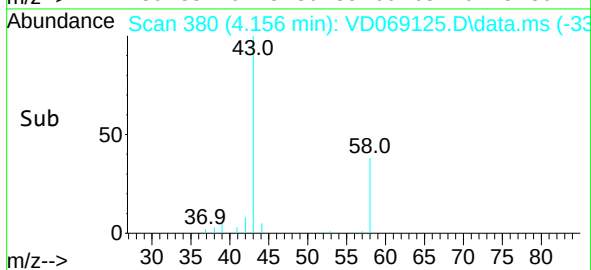
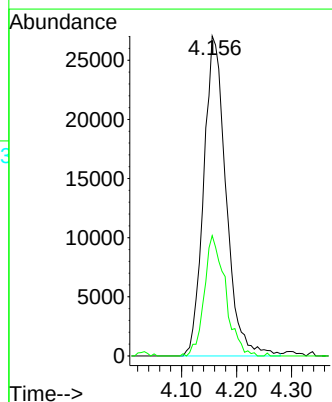
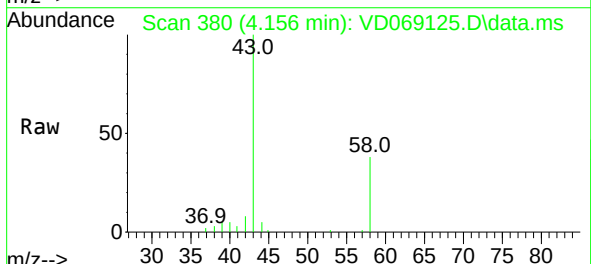
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

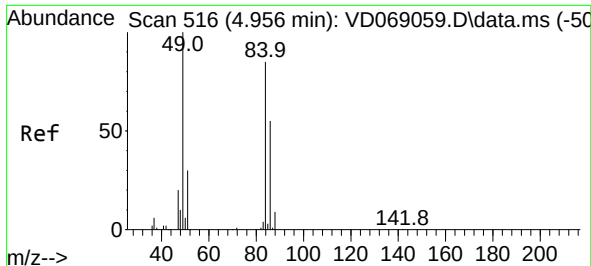
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#



#16
Acetone
Concen: 278.77 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion: 43 Resp: 76514
Ion Ratio Lower Upper
43 100
58 37.6 24.5 36.7#

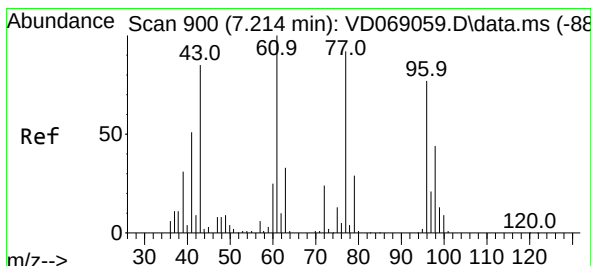
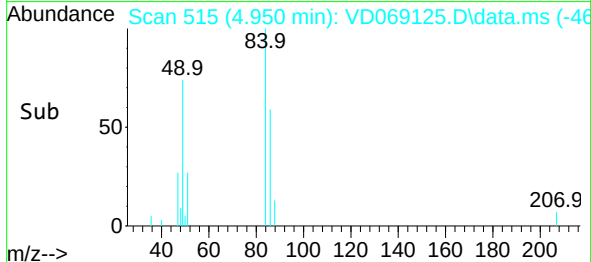
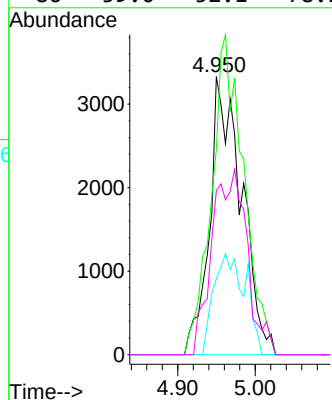
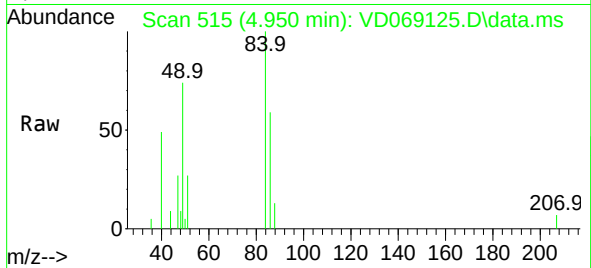




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

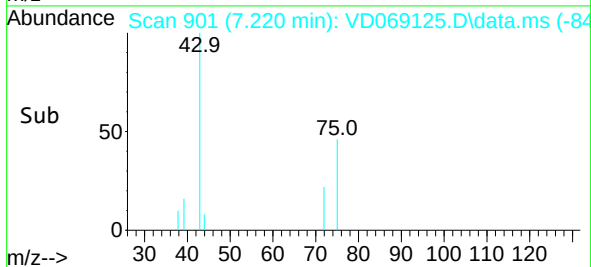
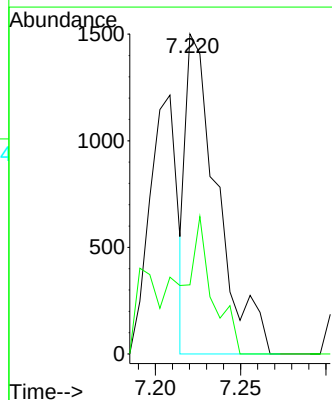
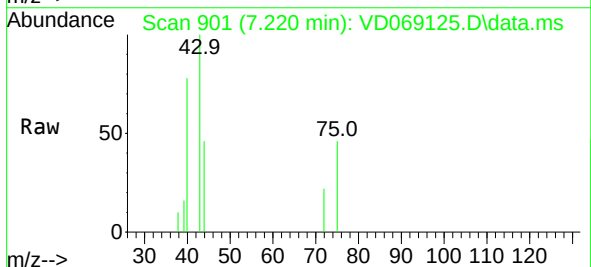
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

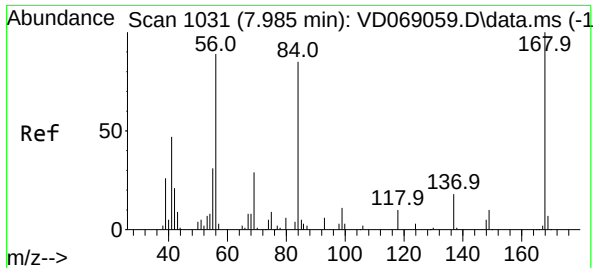
Tgt Ion: 84 Resp: 9573
Ion Ratio Lower Upper
84 100
49 73.8 93.9 140.9#
51 27.3 27.9 41.9#
86 59.0 52.1 78.1



#25
2-Butanone
Concen: 4.55 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

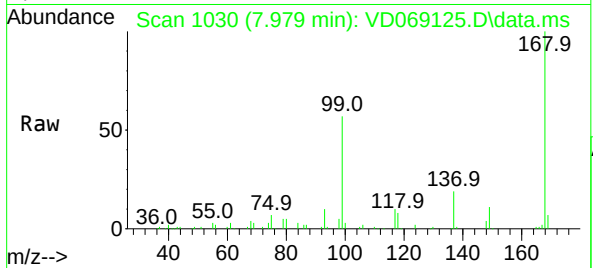
Tgt Ion: 43 Resp: 1920
Ion Ratio Lower Upper
43 100
72 21.6 23.0 34.4#



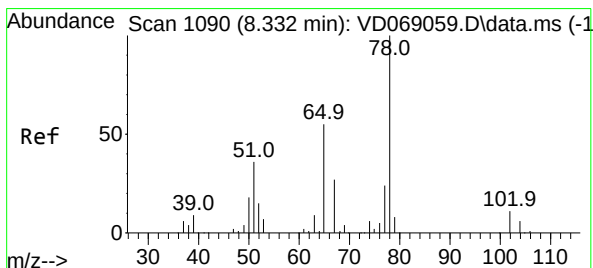
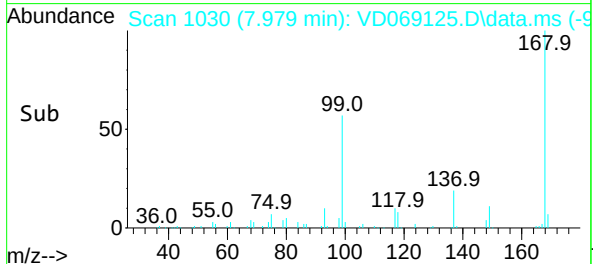
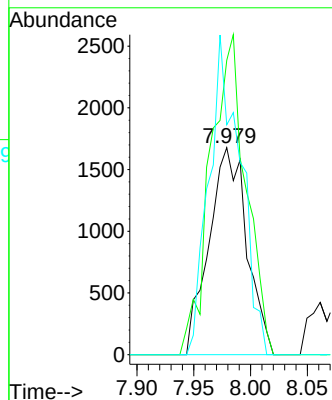


#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

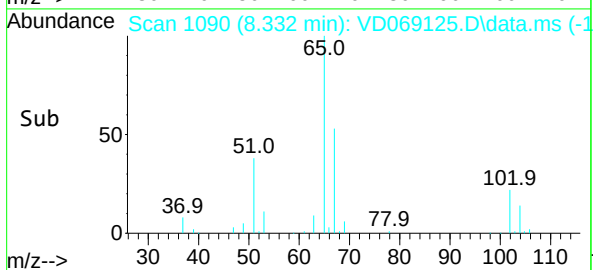
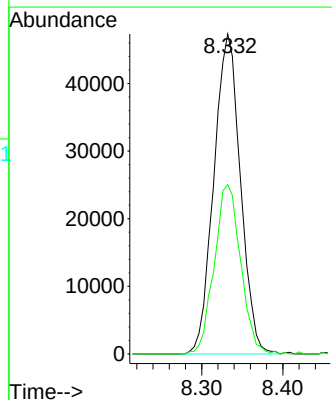
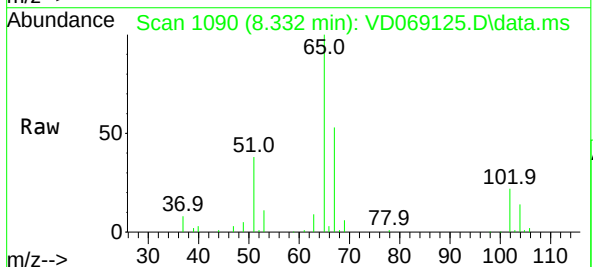


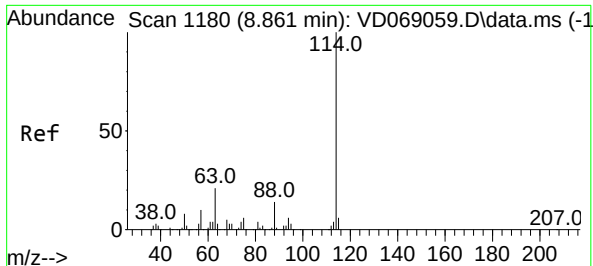
Tgt Ion: 56 Resp: 3896
Ion Ratio Lower Upper
56 100
69 142.2 26.3 39.5#
84 111.1 75.9 113.9



#33
1,2-Dichloroethane-d4
Concen: 54.49 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion: 65 Resp: 107596
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD069125.D

Acq: 10 May 2021 16:14

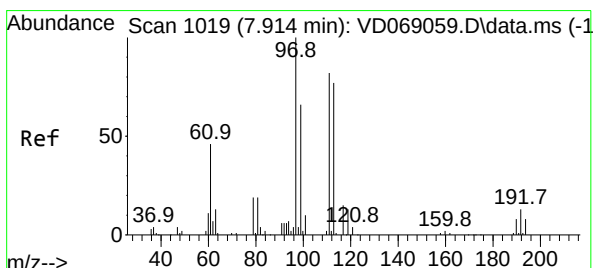
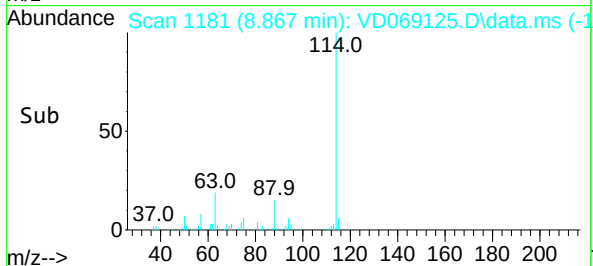
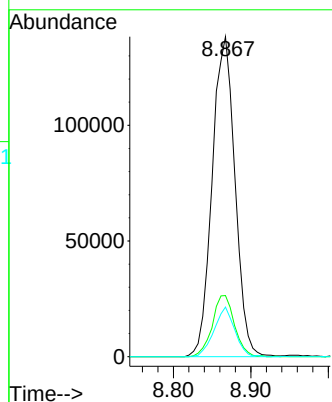
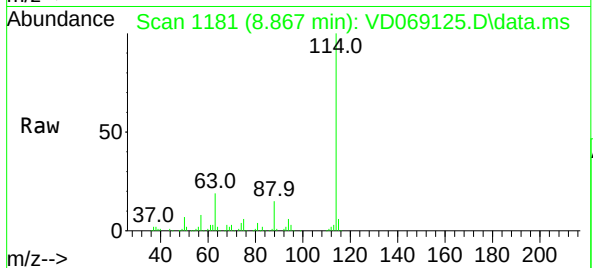
Tgt Ion:114 Resp: 283064

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

88 15.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 28.51 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069125.D

Acq: 10 May 2021 16:14

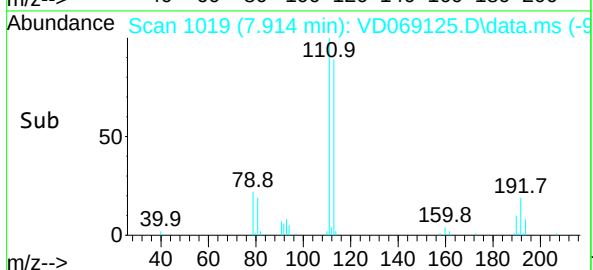
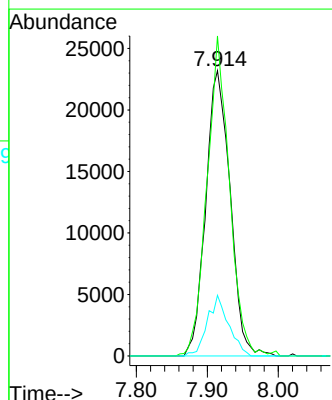
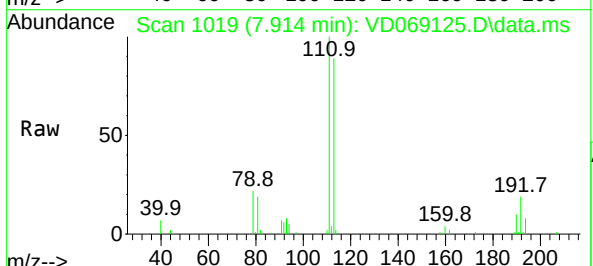
Tgt Ion:113 Resp: 55336

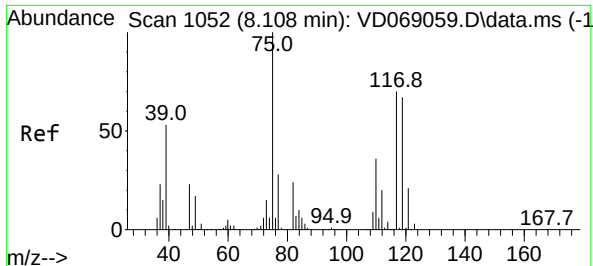
Ion Ratio Lower Upper

113 100

111 103.5 84.6 126.8

192 18.6 13.5 20.3

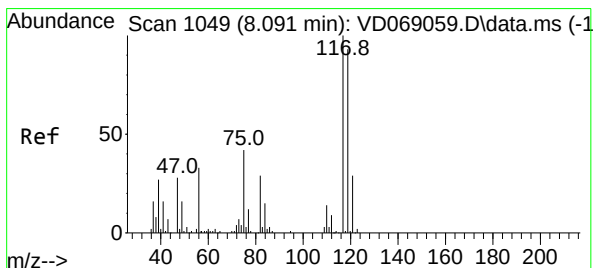
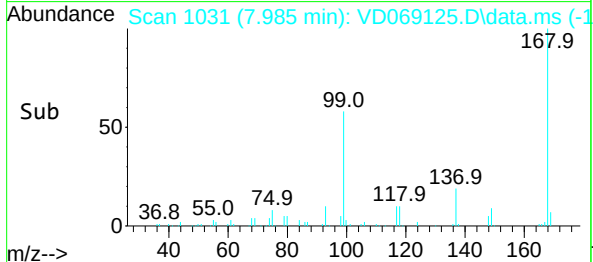
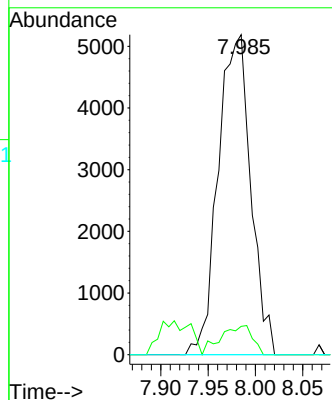
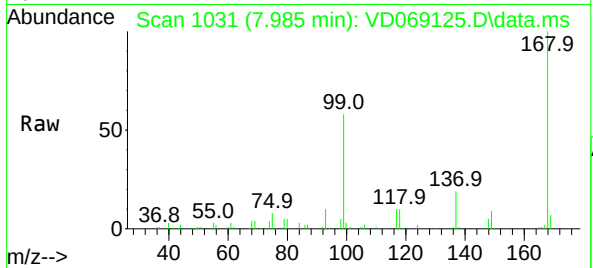




#36
1,1-Dichloropropene
Concen: 4.17 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

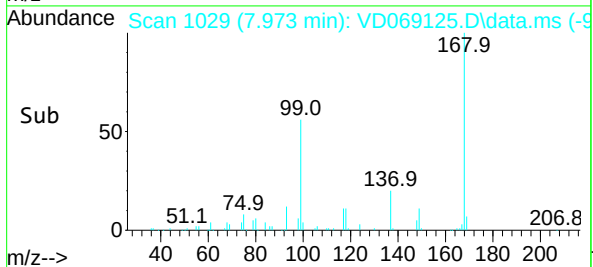
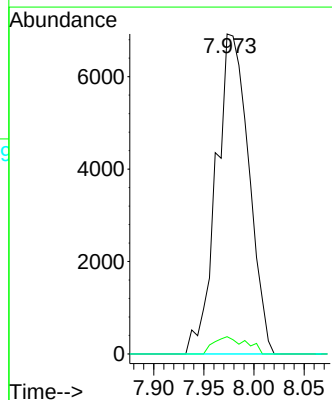
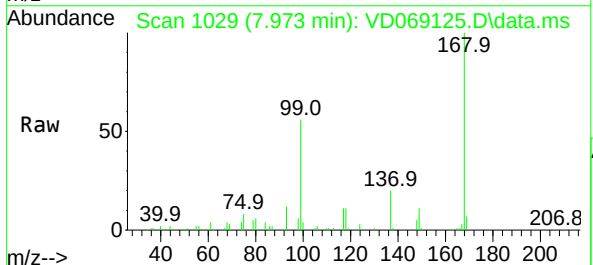
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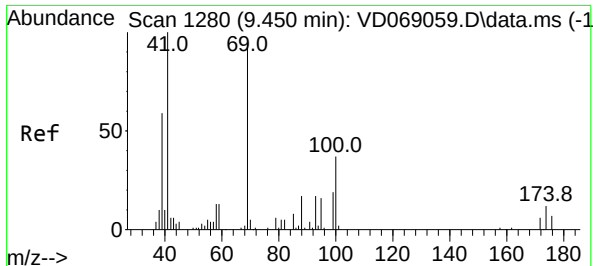
Tgt Ion: 75 Resp: 12425
Ion Ratio Lower Upper
75 100
110 8.9 17.3 51.7#
77 0.0 23.9 35.9#



#38
Carbon Tetrachloride
Concen: 4.86 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion: 117 Resp: 15692
Ion Ratio Lower Upper
117 100
119 5.4 74.7 112.1#
121 0.0 23.1 34.7#





#48

Methyl methacrylate

Concen: 2.33 ug/l

RT: 9.426 min Scan# 1276

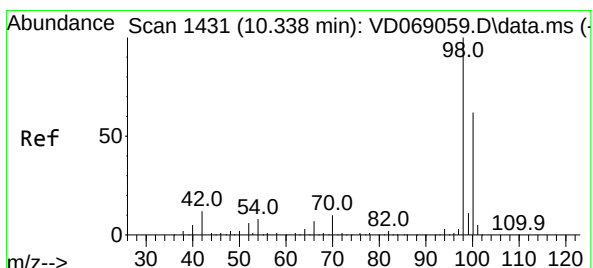
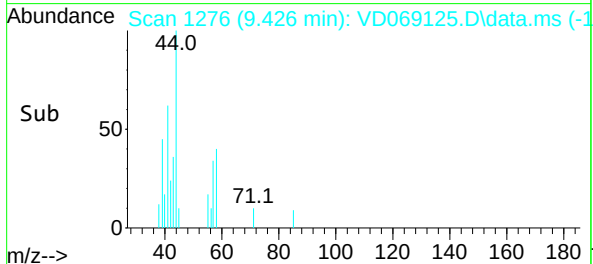
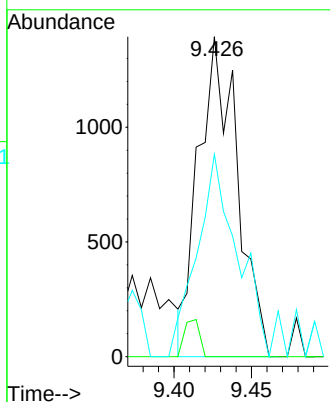
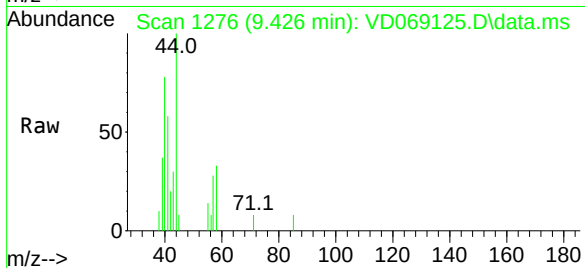
Delta R.T. -0.024 min

Lab File: VD069125.D

Acq: 10 May 2021 16:14

Tgt Ion: 41 Resp: 2414

Ion	Ratio	Lower	Upper
41	100		
69	4.6	73.9	110.9#
39	66.2	51.0	76.4



#50

Toluene-d8

Concen: 51.52 ug/l

RT: 10.338 min Scan# 1431

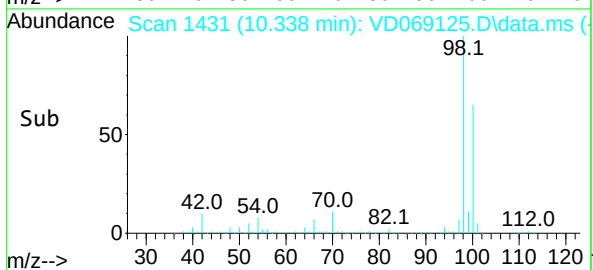
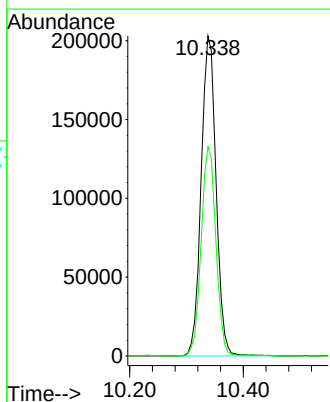
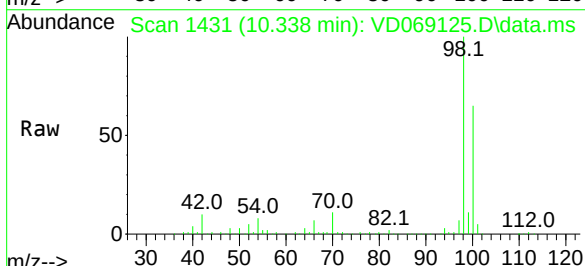
Delta R.T. -0.000 min

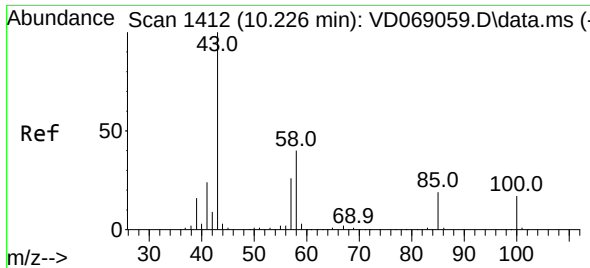
Lab File: VD069125.D

Acq: 10 May 2021 16:14

Tgt Ion: 98 Resp: 369191

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

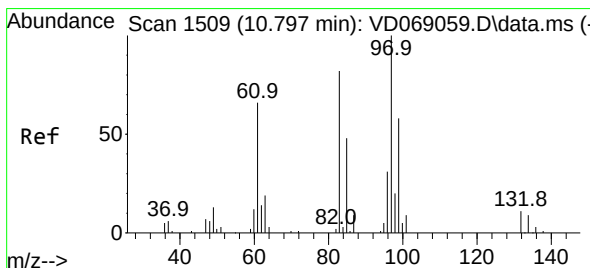
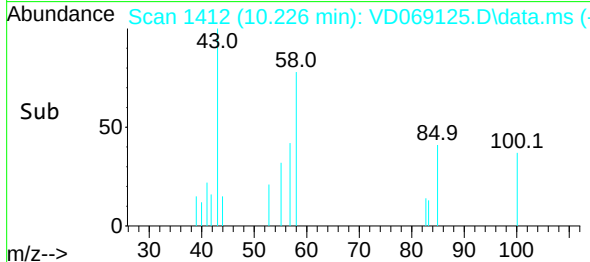
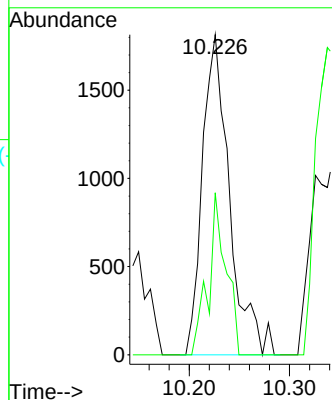
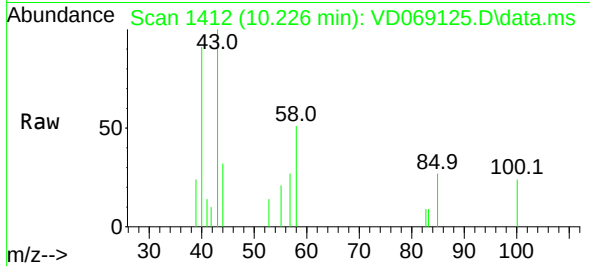




#51
4-Methyl-2-Pentanone
Concen: 3.17 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

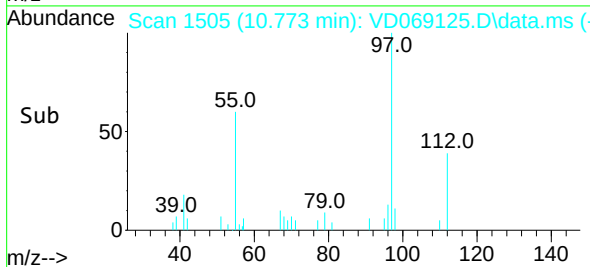
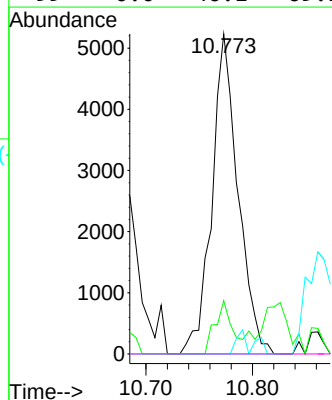
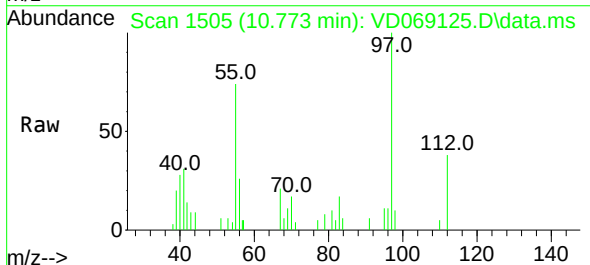
Instrument :
MSVOA_D
ClientSampleId :
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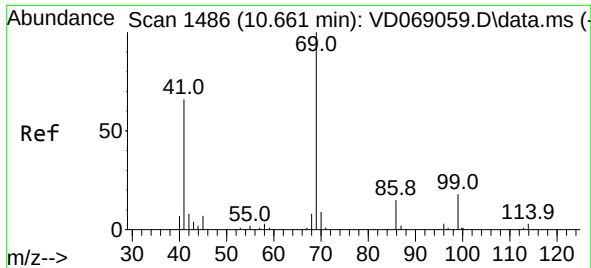
Tgt Ion: 43 Resp: 3416
Ion Ratio Lower Upper
43 100
58 33.0 32.7 49.1



#55
1,1,2-Trichloroethane
Concen: 5.74 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion: 97 Resp: 8887
Ion Ratio Lower Upper
97 100
83 16.7 65.8 98.8#
85 0.0 38.6 57.8#
99 0.0 46.1 69.1#

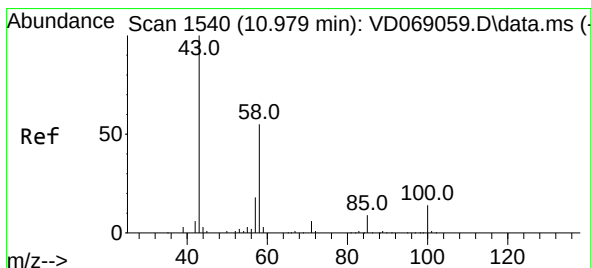
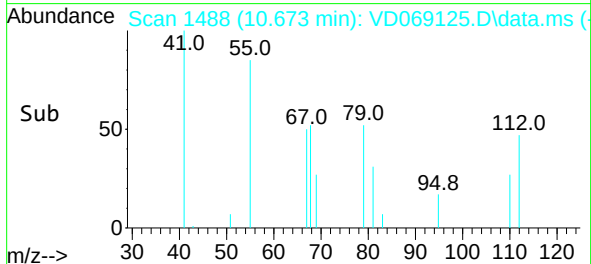
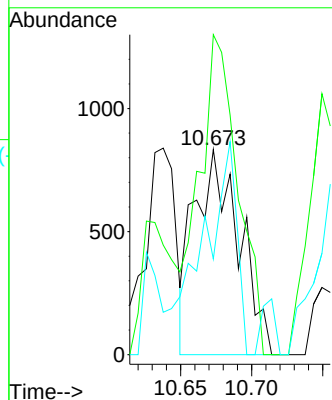
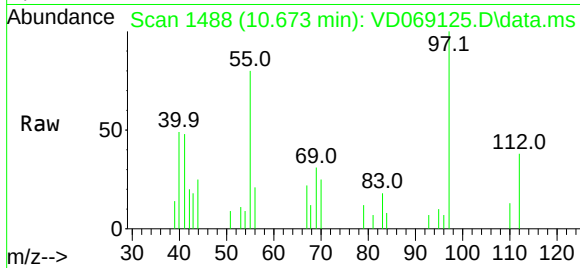




#56
Ethyl methacrylate
Concen: 3.31 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

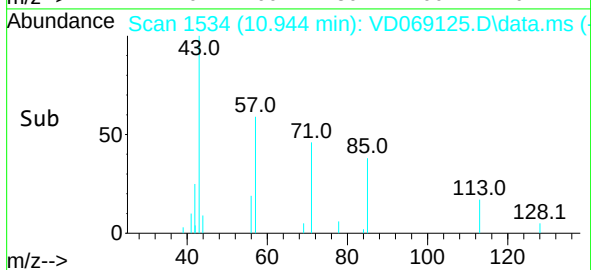
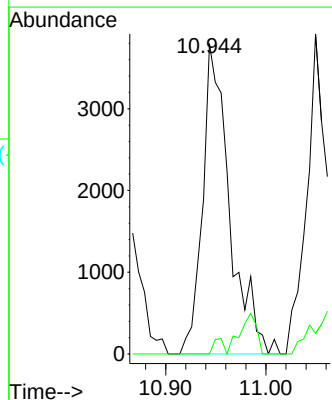
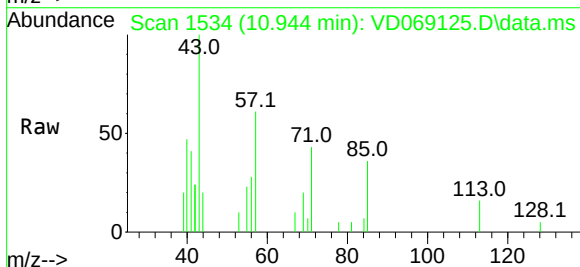
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

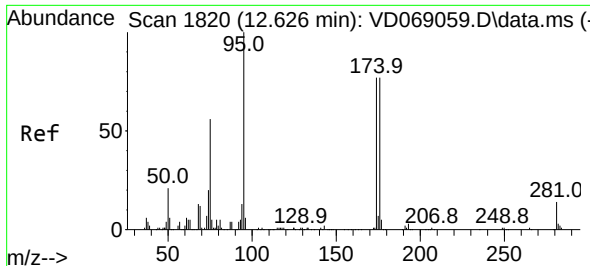
Tgt Ion: 69 Resp: 1833
Ion Ratio Lower Upper
69 100
41 134.1 49.2 73.8#
39 74.6 29.8 44.6#



#59
2-Hexanone
Concen: 9.78 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion: 43 Resp: 7117
Ion Ratio Lower Upper
43 100
58 1.8 27.9 83.6#

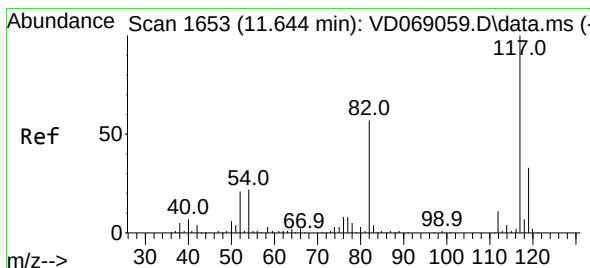
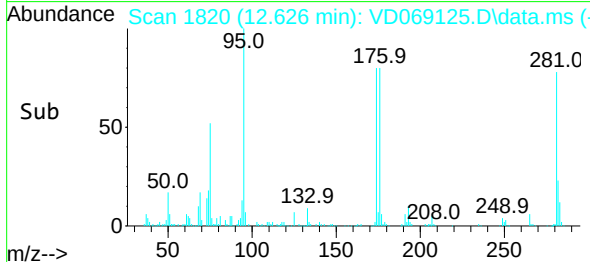
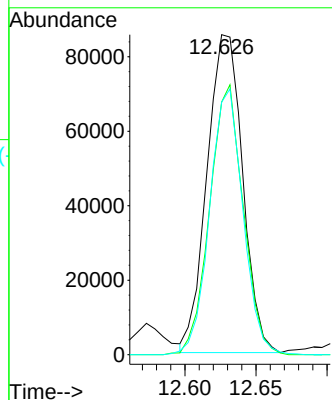
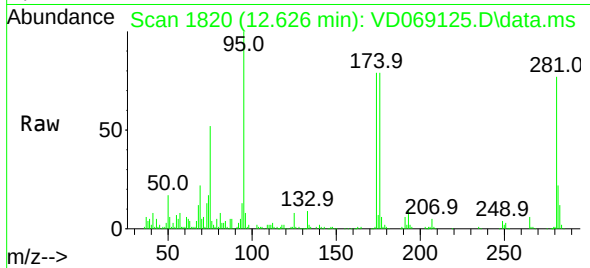




#62
4-Bromofluorobenzene
Concen: 63.21 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

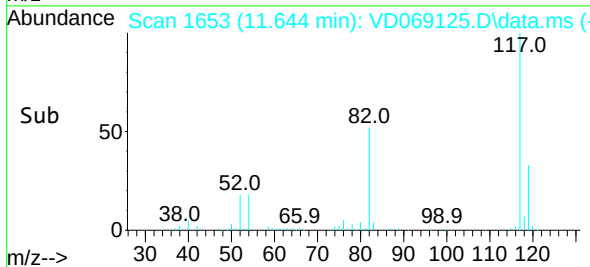
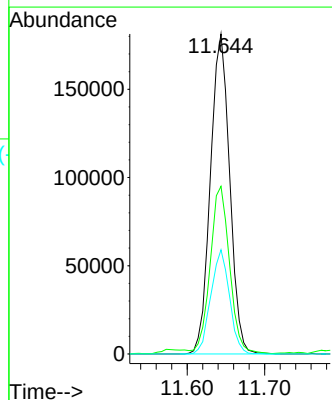
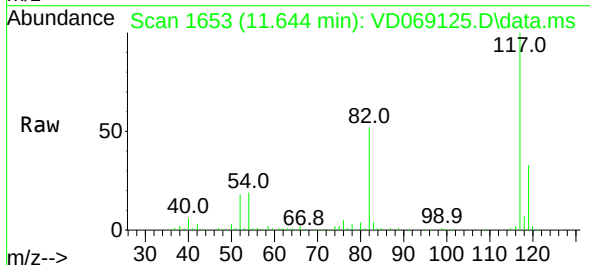
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

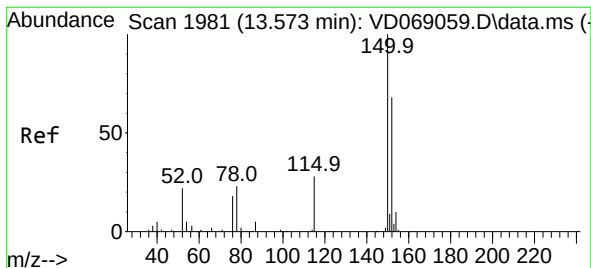
Tgt Ion: 95 Resp: 149009
Ion Ratio Lower Upper
95 100
174 79.8 0.0 156.0
176 77.9 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion: 117 Resp: 312962
Ion Ratio Lower Upper
117 100
82 52.1 45.4 68.2
119 32.6 26.8 40.2

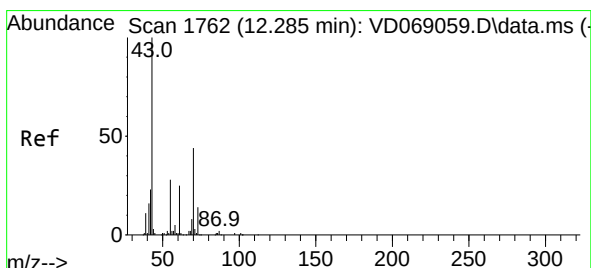
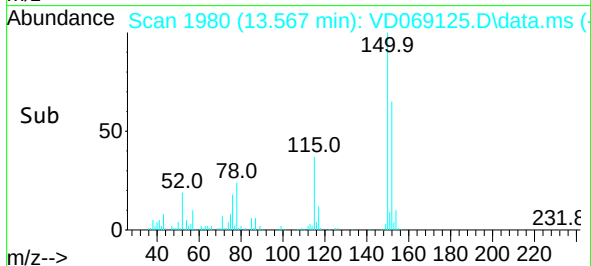
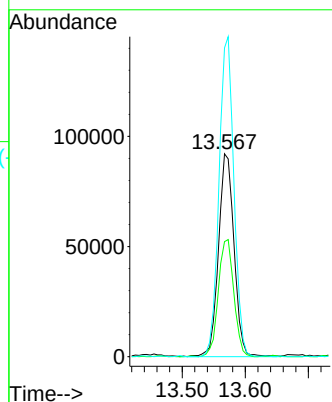
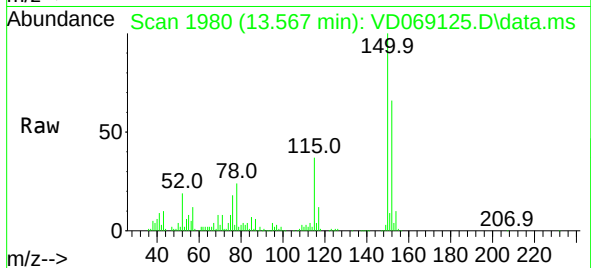




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

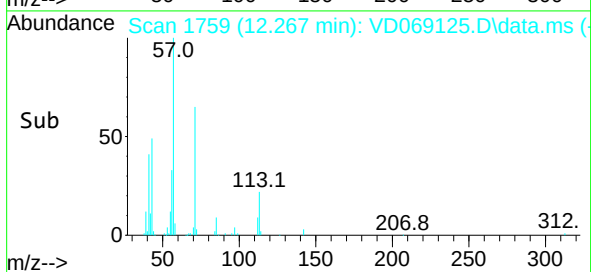
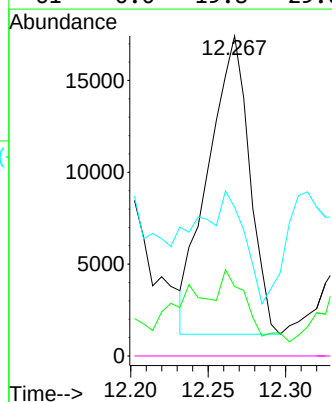
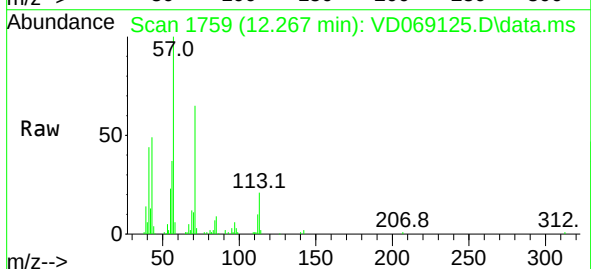
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

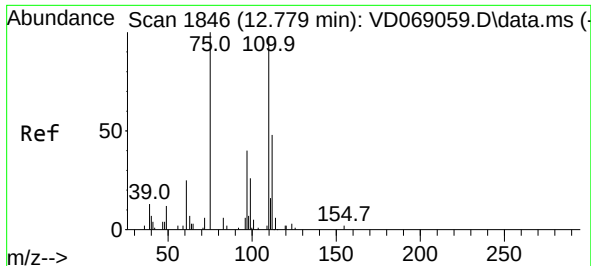
Tgt Ion:152 Resp: 157732
Ion Ratio Lower Upper
152 100
115 57.4 30.5 91.5
150 150.3 0.0 340.8



#74
N-ethyl acetate
Concen: 13.11 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion: 43 Resp: 30048
Ion Ratio Lower Upper
43 100
70 14.5 36.4 54.6#
55 0.0 21.8 32.8#
61 0.0 19.8 29.6#

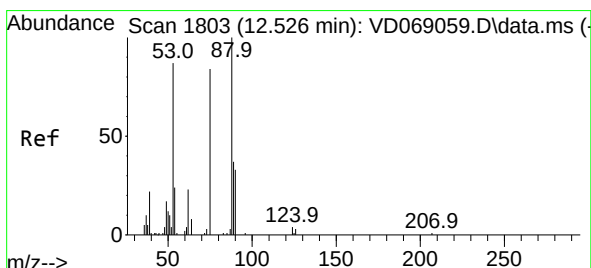
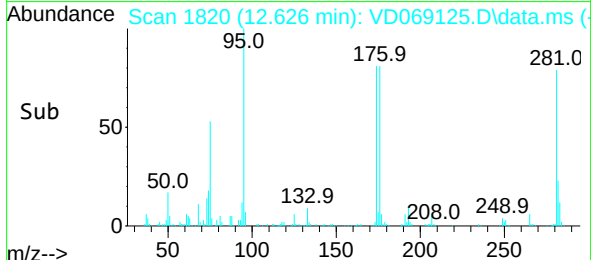
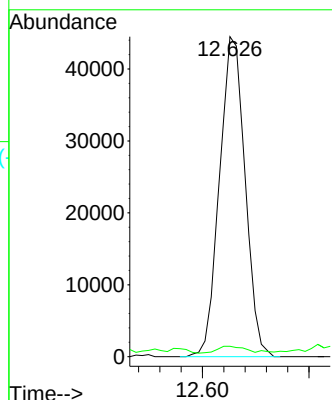
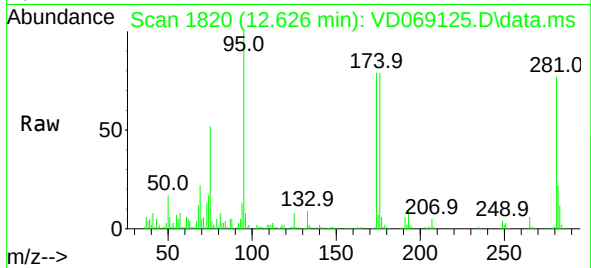




#76
1,2,3-Trichloropropane
Concen: 53.97 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

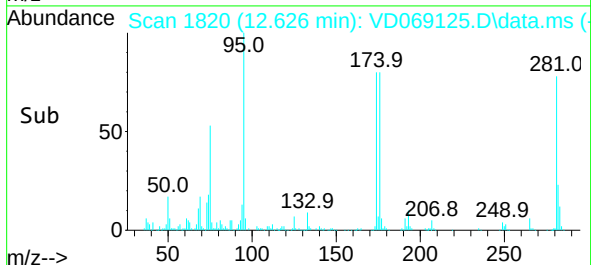
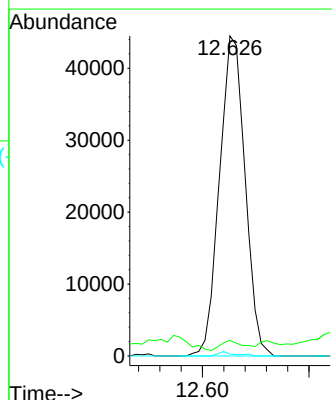
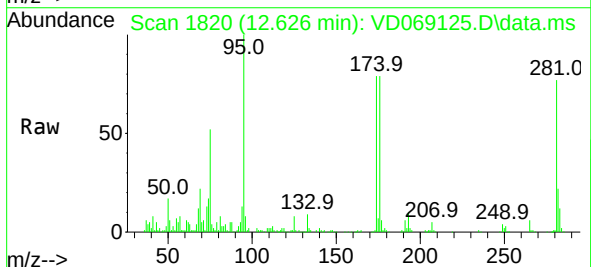
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

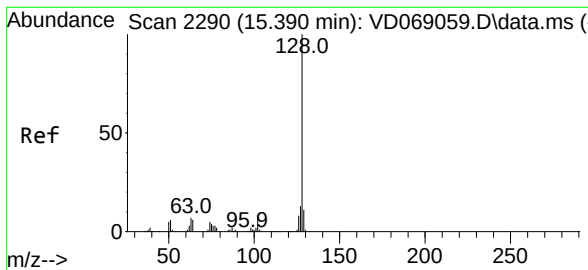
Tgt Ion: 75 Resp: 74103
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.43 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Tgt Ion: 75 Resp: 74103
Ion Ratio Lower Upper
75 100
53 2.9 80.4 120.6#
89 0.9 37.8 56.8#





#95
Naphthalene
Concen: 16.01 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069125.D
Acq: 10 May 2021 16:14

Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-CRE

Tgt Ion:128 Resp: 75029
Ion Ratio Lower Upper
128 100
127 14.1 10.7 16.1
129 13.0 8.5 12.7#

