

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060921\
 Data File : VD069407.D
 Acq On : 09 Jun 2021 16:26
 Operator : VA/SY
 Sample : M2660-01
 Misc : 6.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

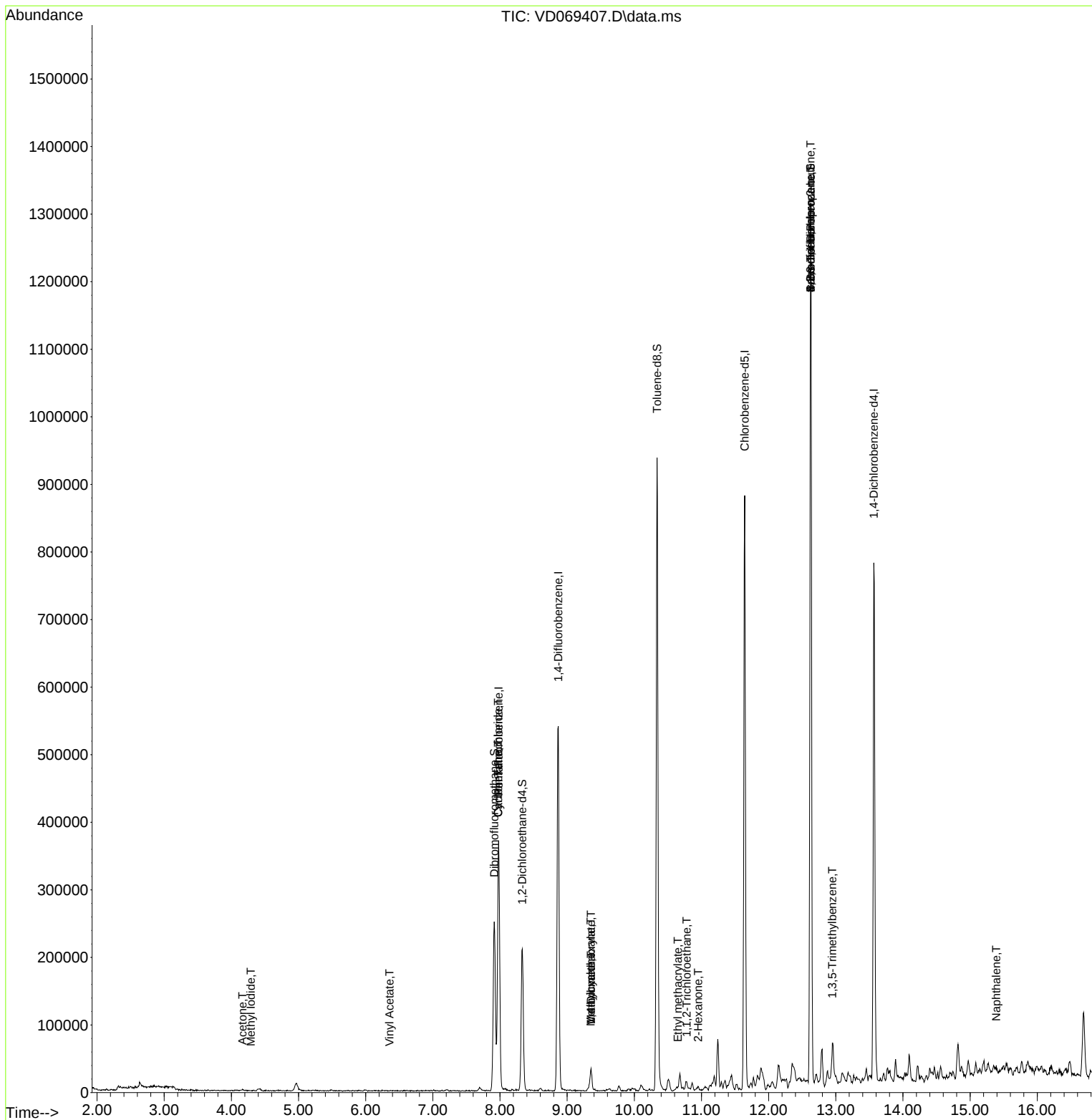
Quant Time: Jun 10 04:03:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

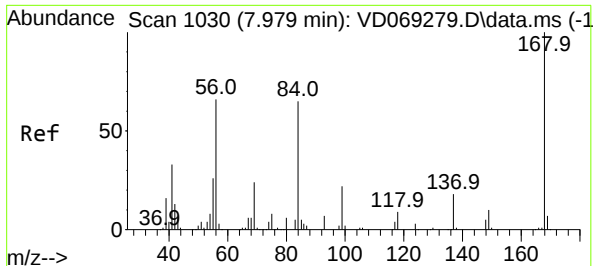
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	270975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	493700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	518588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	213632	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	170748	65.67	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.34%			
35) Dibromofluoromethane	7.914	113	180650	58.27	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.54%			
50) Toluene-d8	10.338	98	632215	56.08	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.16%			
62) 4-Bromofluorobenzene	12.626	95	231575	62.69	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.38%			
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	173	2.56	ug/l #	39
11) Tert butyl alcohol	5.232	59	798	Below Cal	#	73
16) Acetone	4.167	43	2675	5.90	ug/l #	82
20) Methylene Chloride	4.961	84	8819	Below Cal		93
23) Vinyl Acetate	6.355	43	71	11.63	ug/l #	67
31) Cyclohexane	7.973	56	7939	1.92	ug/l #	34
38) Carbon Tetrachloride	7.973	117	27075	5.23	ug/l #	15
39) Methylcyclohexane	9.349	83	12170	2.48	ug/l #	86
48) Methyl methacrylate	9.355	41	6091	4.42	ug/l #	63
49) 1,4-Dioxane	9.355	88	64	3.44	ug/l #	1
55) 1,1,2-Trichloroethane	10.779	97	5386	2.05	ug/l #	19
56) Ethyl methacrylate	10.649	69	732	2.87	ug/l #	31
59) 2-Hexanone	10.949	43	2192	2.14	ug/l #	20
71) Bromoform	12.626	173	2327	1.13	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	118522	63.86	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	15602	1.26	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.626	75	118522	141.50	ug/l #	19
95) Naphthalene	15.390	128	9666	4.54	ug/l #	88

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

Quant Time: Jun 10 04:03:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 02 02:17:36 2021
Response via : Initial Calibration

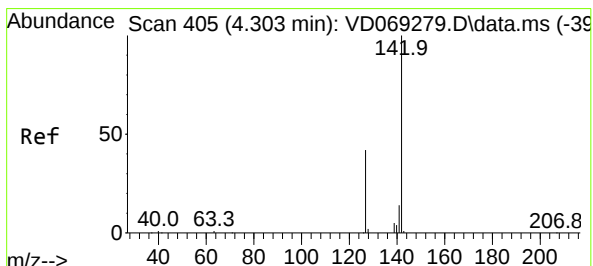
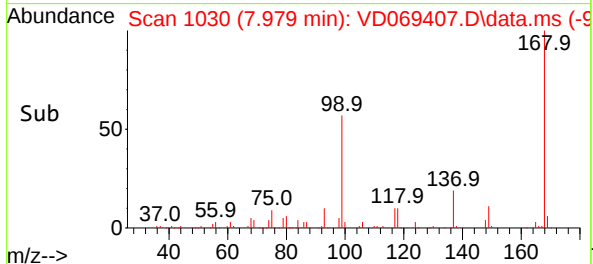
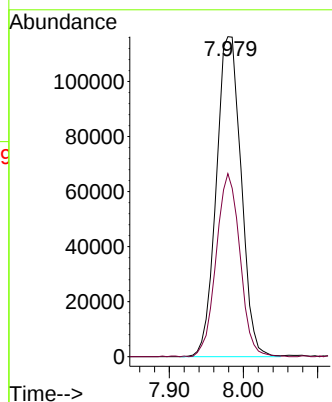
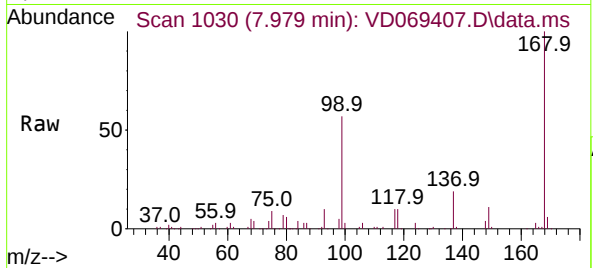




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

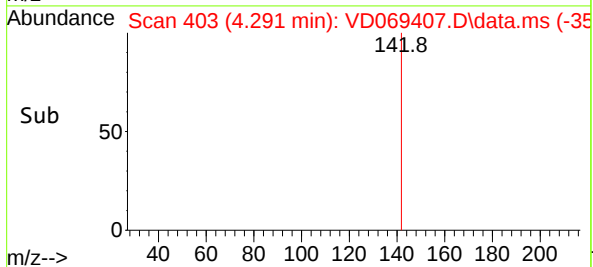
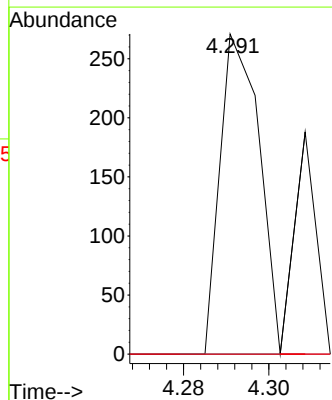
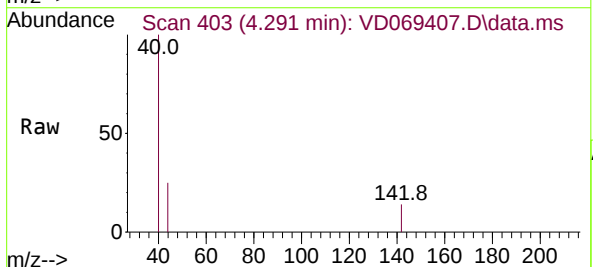
Instrument :
MSVOA_D
ClientSampleId :

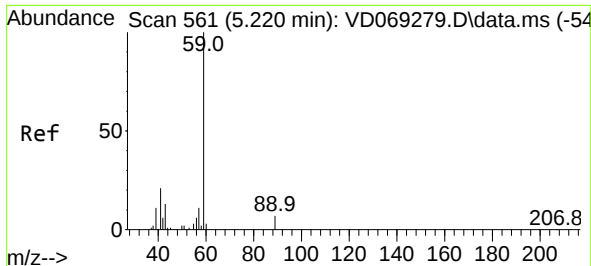
Tgt Ion:168 Resp: 270975
Ion Ratio Lower Upper
168 100
99 57.2 46.2 69.2



#10
Methyl Iodide
Concen: 2.56 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

Tgt Ion:142 Resp: 173
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

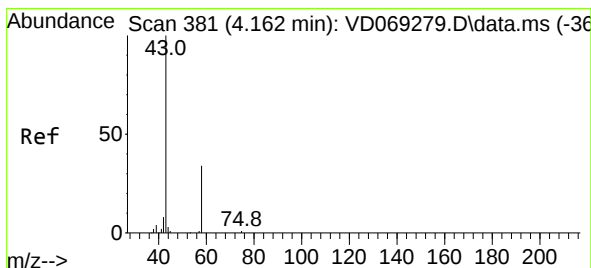
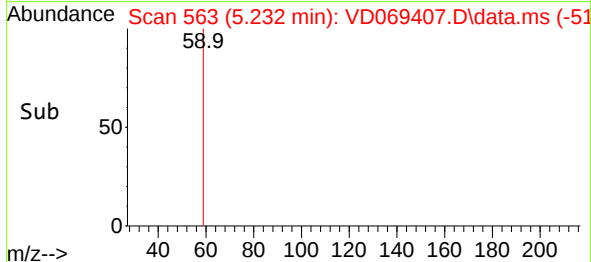
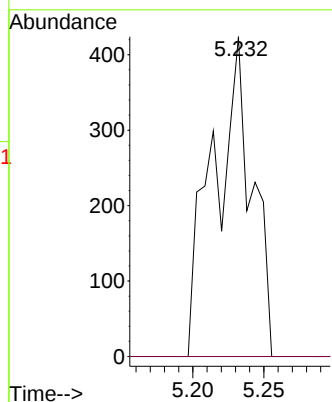
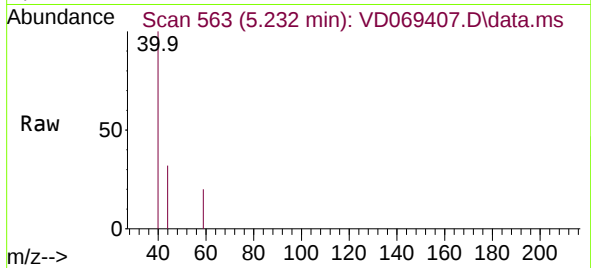




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

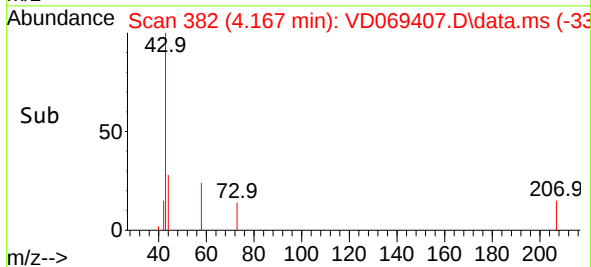
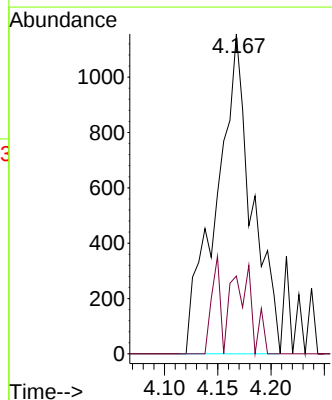
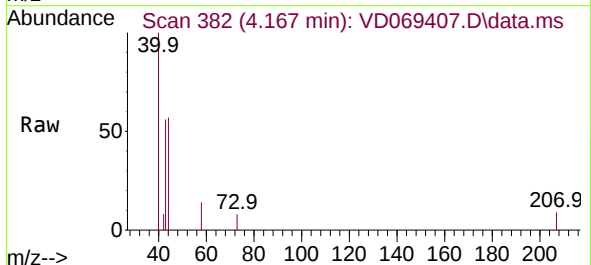
Instrument :
MSVOA_D
ClientSampled :

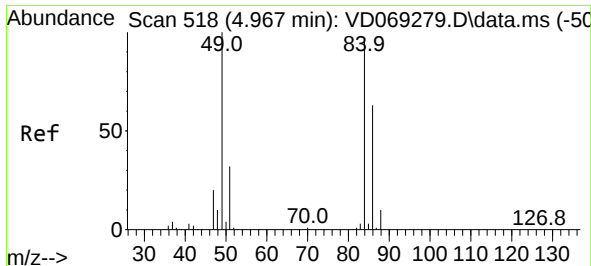
Tgt Ion: 59 Resp: 798
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 5.90 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

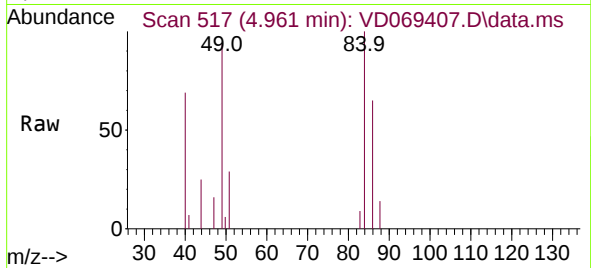
Tgt Ion: 43 Resp: 2675
Ion Ratio Lower Upper
43 100
58 24.3 27.5 41.3#



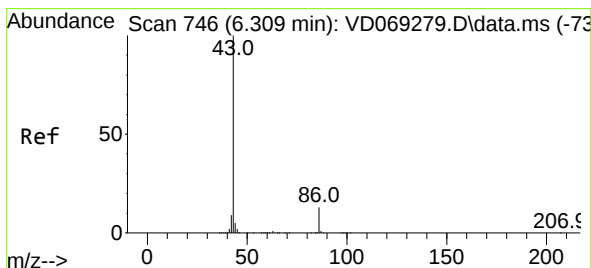
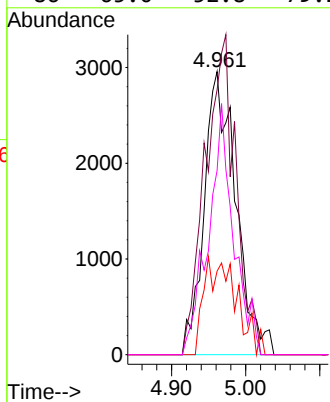
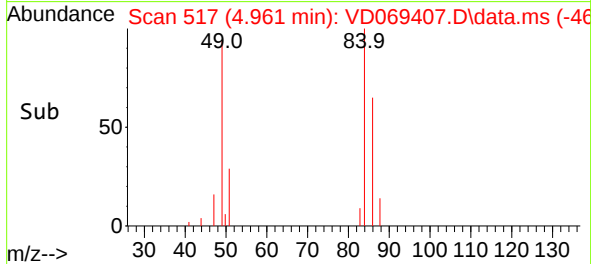


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

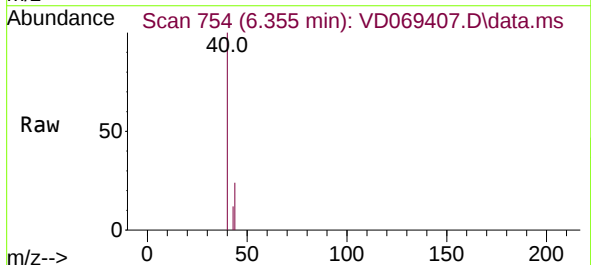
Instrument :
MSVOA_D
ClientSampled :



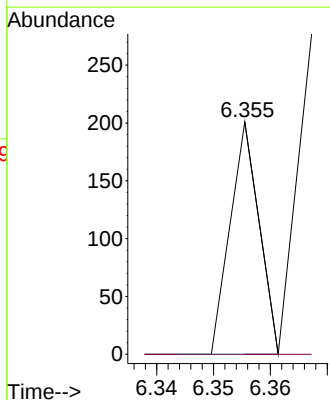
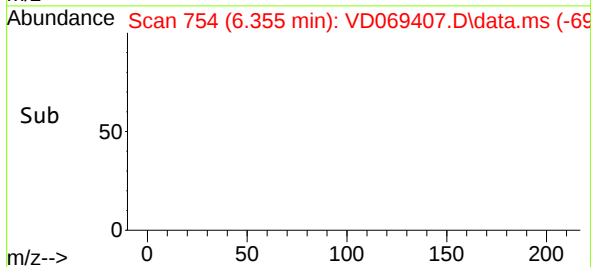
Tgt Ion:	84	Resp:	8819
Ion	Ratio	Lower	Upper
84	100		
49	93.5	83.7	125.5
51	29.5	26.4	39.6
86	65.0	52.8	79.2

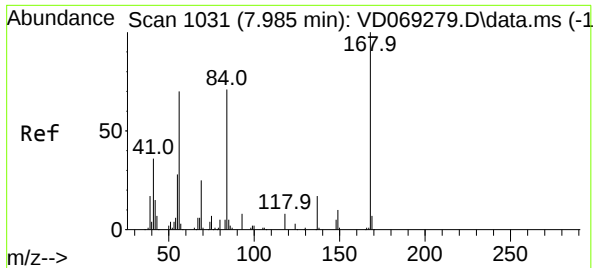


#23
Vinyl Acetate
Concen: 11.63 ug/l
RT: 6.355 min Scan# 754
Delta R.T. 0.046 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26



Tgt Ion:	43	Resp:	71
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

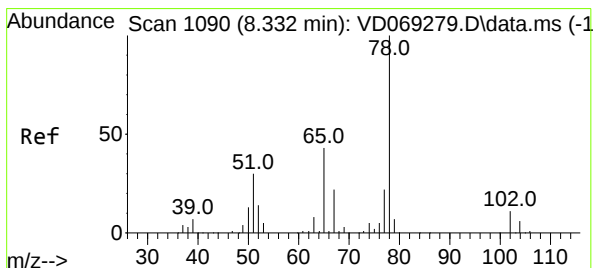
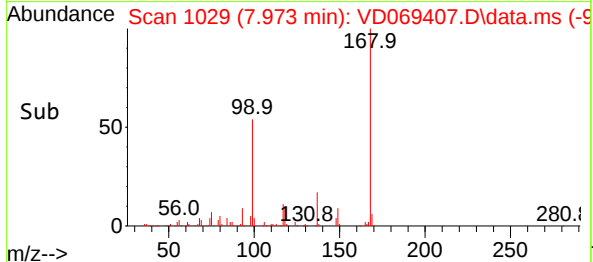
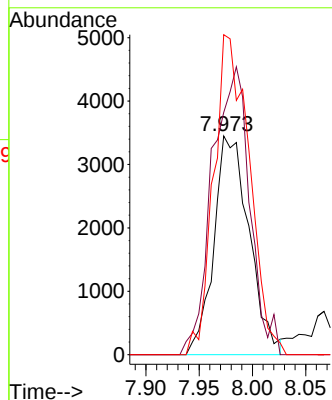
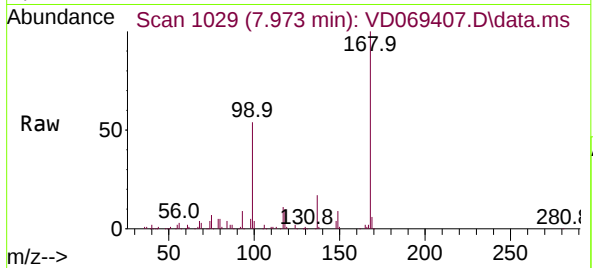




#31
Cyclohexane
Concen: 1.92 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

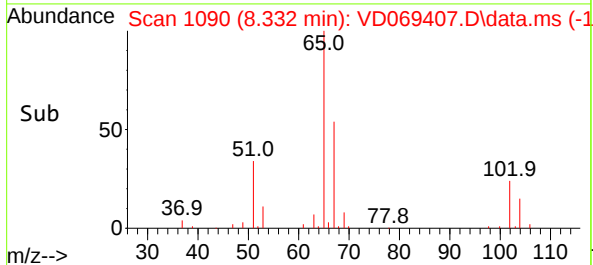
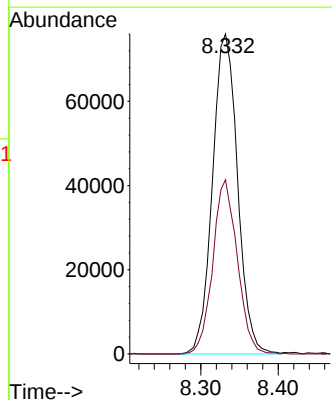
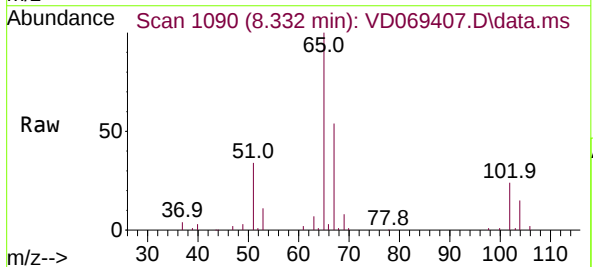
Instrument :
MSVOA_D
ClientSampled :

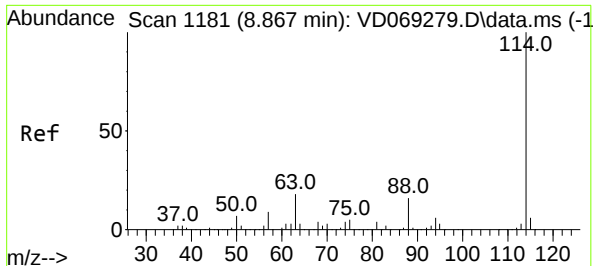
Tgt Ion: 56 Resp: 7939
Ion Ratio Lower Upper
56 100
69 110.8 29.0 43.4#
84 146.2 81.1 121.7#



#33
1,2-Dichloroethane-d4
Concen: 65.67 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

Tgt Ion: 65 Resp: 170748
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8

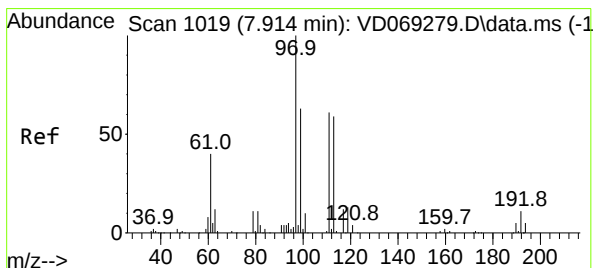
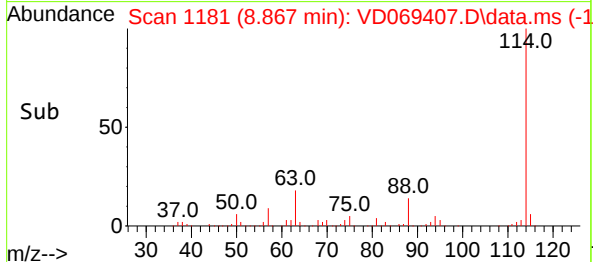
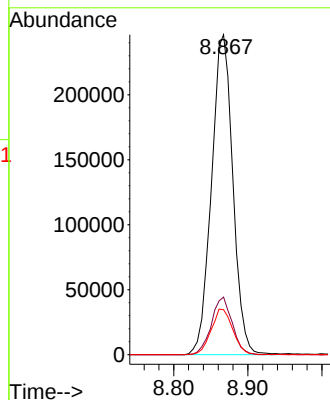
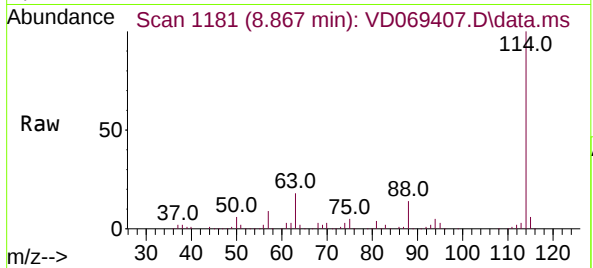




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

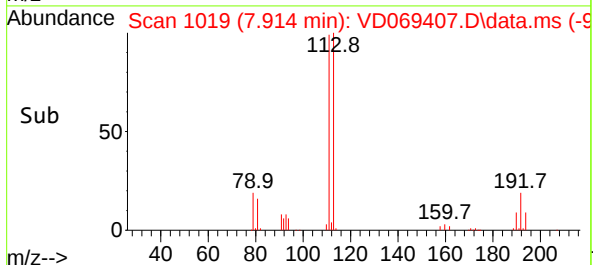
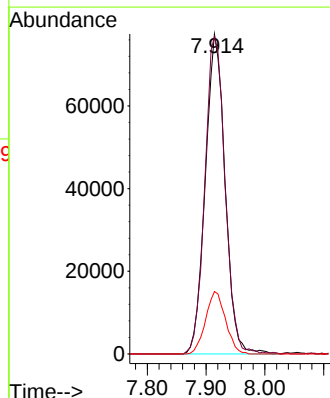
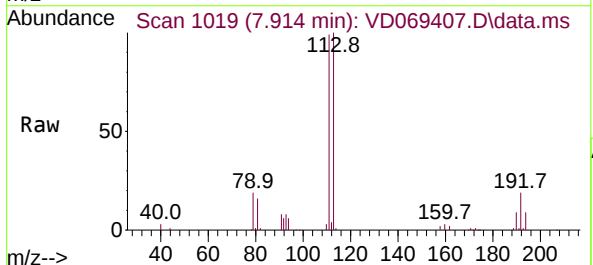
Instrument :
MSVOA_D
ClientSampled :

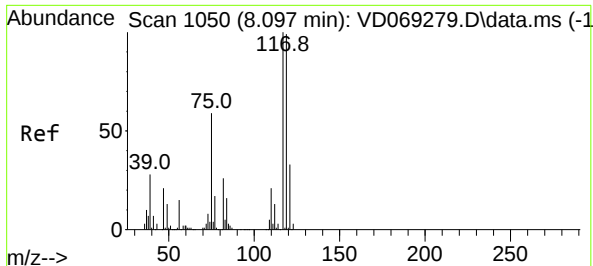
Tgt Ion:114 Resp: 493700
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.6
88 14.1 0.0 31.2



#35
Dibromofluoromethane
Concen: 58.27 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

Tgt Ion:113 Resp: 180650
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.6
192 19.6 15.1 22.7

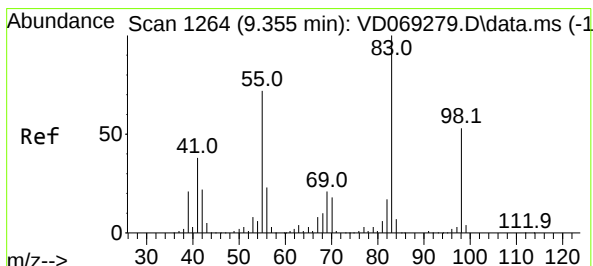
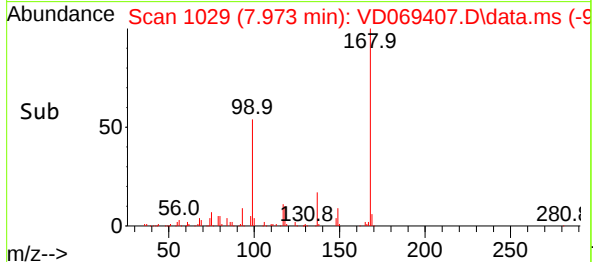
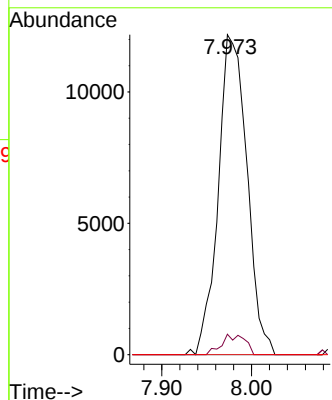
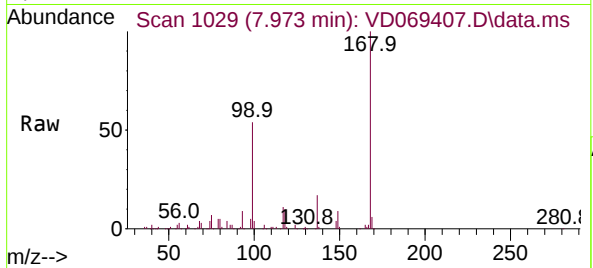




#38
Carbon Tetrachloride
Concen: 5.23 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

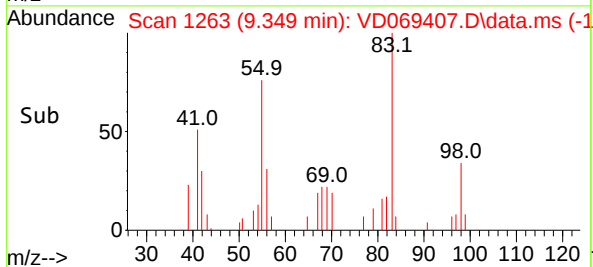
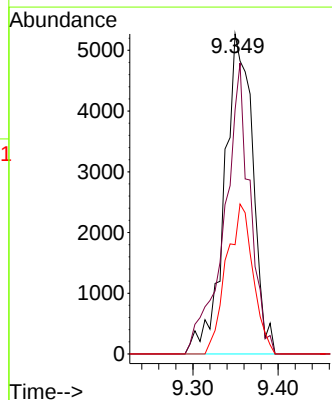
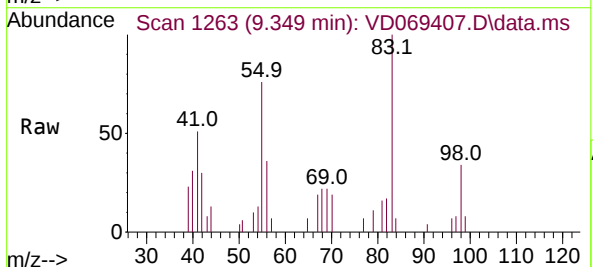
Instrument :
MSVOA_D
ClientSampleId :

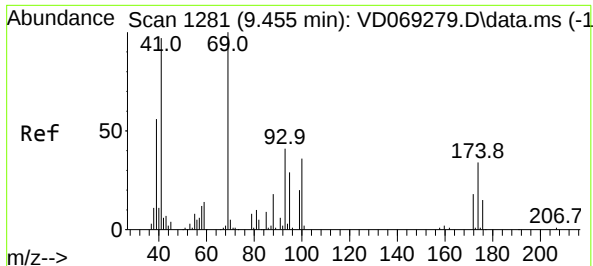
Tgt Ion:117 Resp: 27075
Ion Ratio Lower Upper
117 100
119 6.4 79.4 119.2#
121 0.0 26.1 39.1#



#39
Methylcyclohexane
Concen: 2.48 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

Tgt Ion: 83 Resp: 12170
Ion Ratio Lower Upper
83 100
55 76.2 57.4 86.2
98 34.1 42.2 63.2#





#48

Methyl methacrylate

Concen: 4.42 ug/l

RT: 9.355 min Scan# 1264

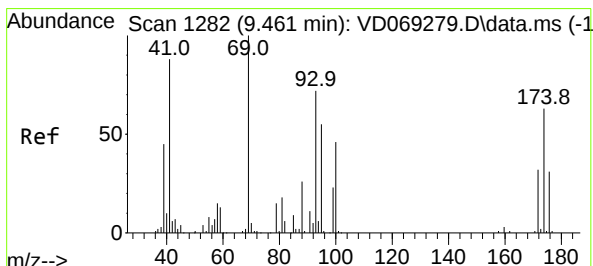
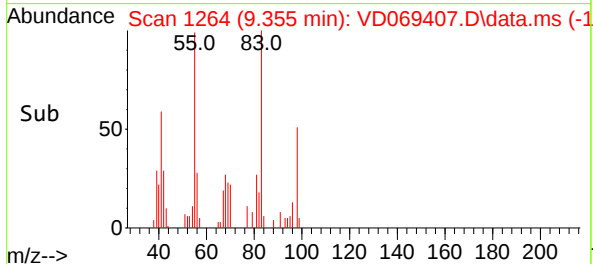
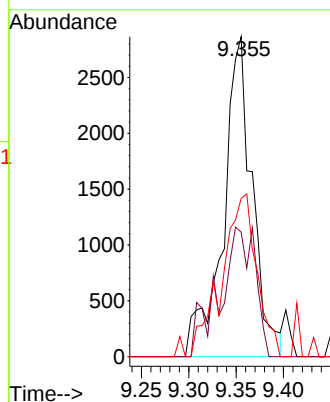
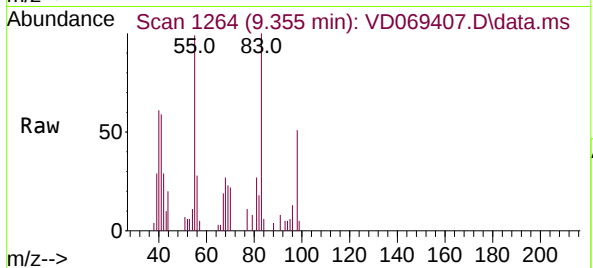
Delta R.T. -0.100 min

Lab File: VD069407.D

Acq: 09 Jun 2021 16:26

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	41	Resp:	6091
Ion	Ratio	Lower	Upper
41	100		
69	43.7	77.6	116.4#
39	61.5	45.3	67.9



#49

1,4-Dioxane

Concen: 3.44 ug/l

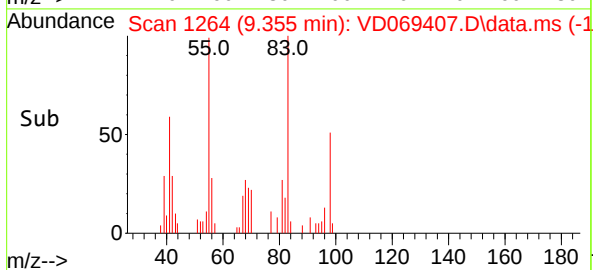
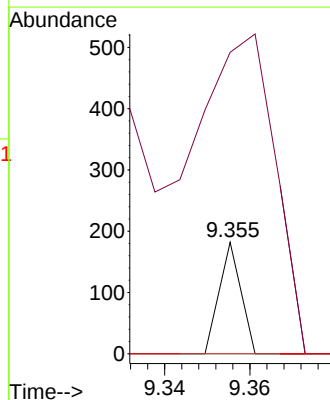
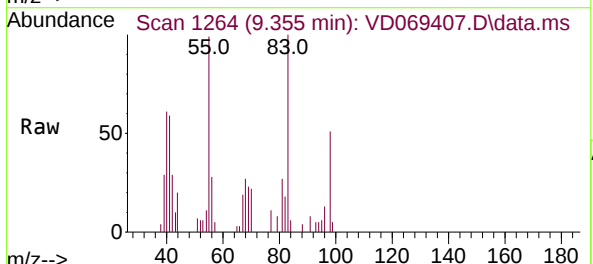
RT: 9.355 min Scan# 1264

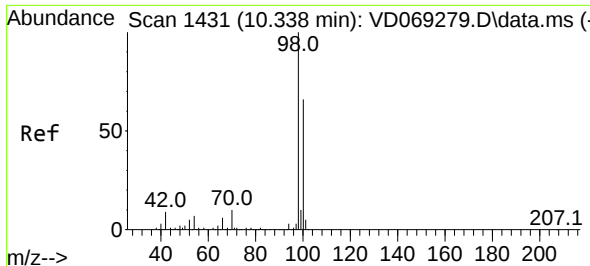
Delta R.T. -0.106 min

Lab File: VD069407.D

Acq: 09 Jun 2021 16:26

Tgt Ion:	88	Resp:	64
Ion	Ratio	Lower	Upper
88	100		
43	1085.9	25.4	38.2#
58	0.0	50.2	75.4#

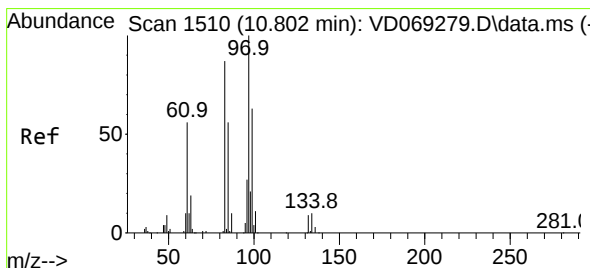
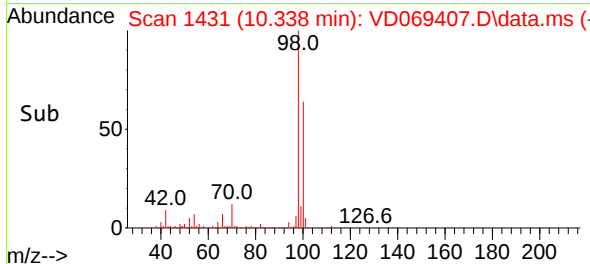
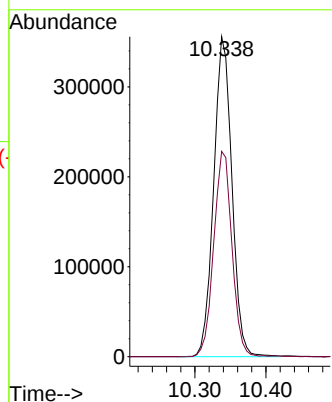
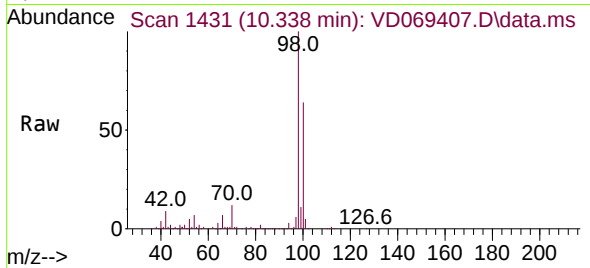




#50
Toluene-d8
Concen: 56.08 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

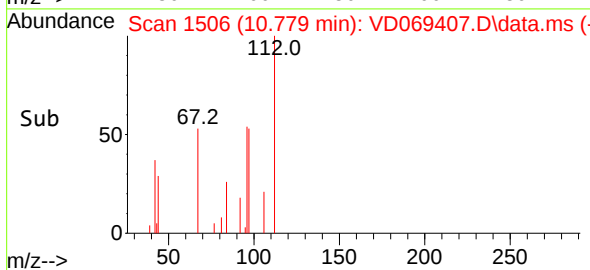
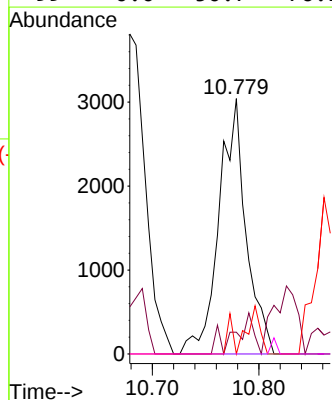
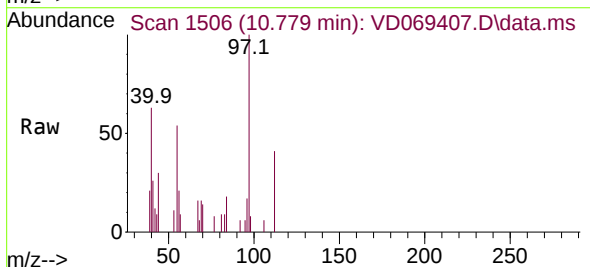
Instrument :
MSVOA_D
ClientSampleId :

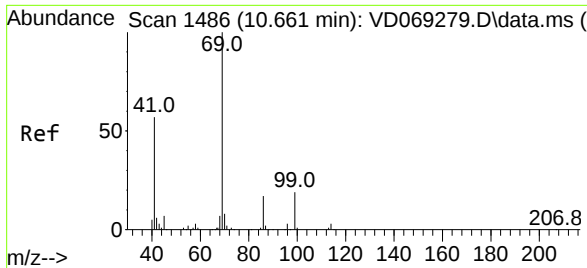
Tgt Ion: 98 Resp: 632215
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#55
1,1,2-Trichloroethane
Concen: 2.05 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.024 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

Tgt Ion: 97 Resp: 5386
Ion Ratio Lower Upper
97 100
83 8.5 69.4 104.0#
85 0.0 44.5 66.7#
99 0.0 50.7 76.1#

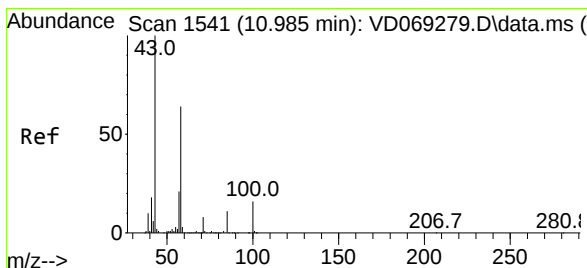
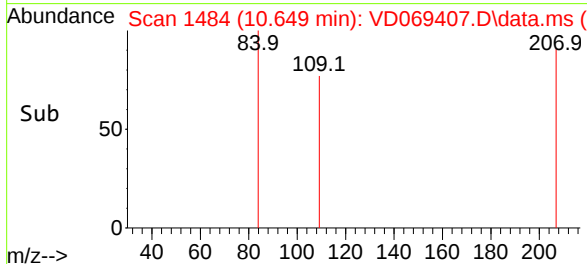
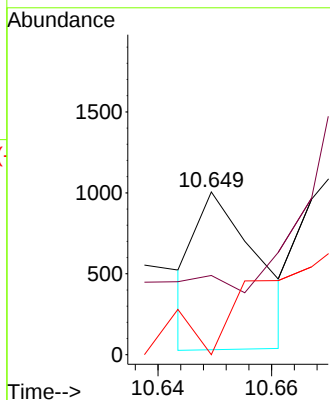
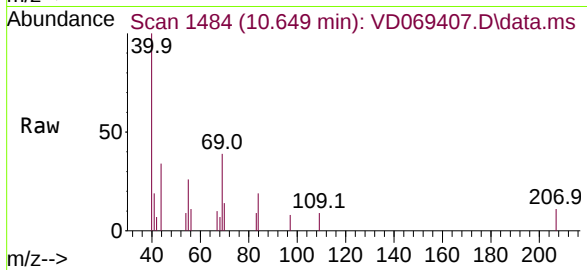




#56
Ethyl methacrylate
Concen: 2.87 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.012 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

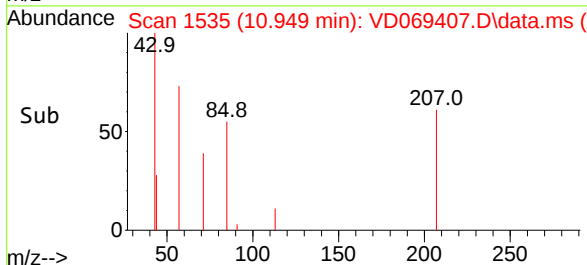
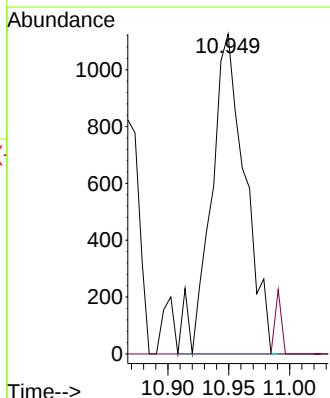
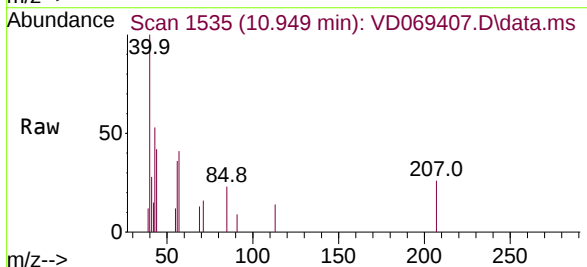
Instrument :
MSVOA_D
ClientSampled :

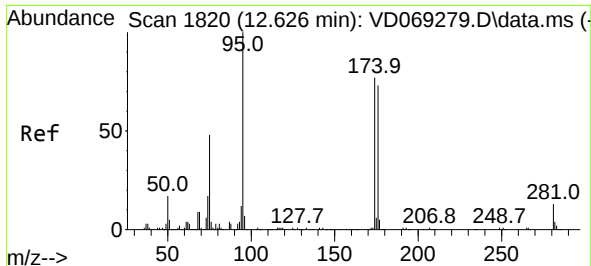
Tgt Ion: 69 Resp: 732
Ion Ratio Lower Upper
69 100
41 0.0 45.4 68.2#
39 0.0 21.7 32.5#



#59
2-Hexanone
Concen: 2.14 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

Tgt Ion: 43 Resp: 2192
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#

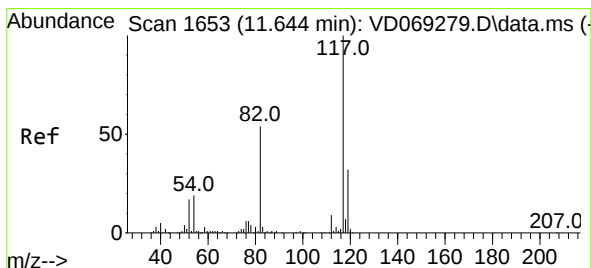
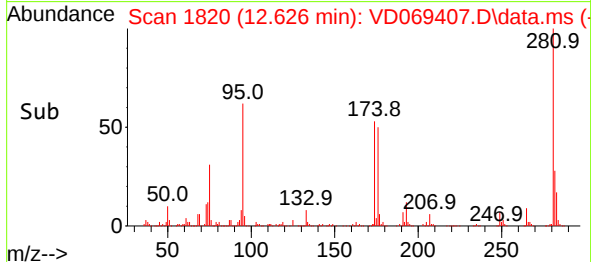
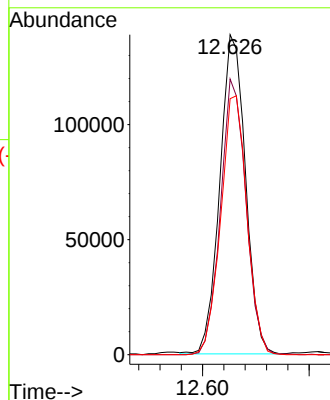
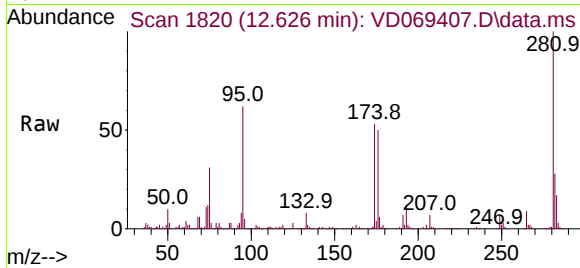




#62
4-Bromofluorobenzene
Concen: 62.69 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

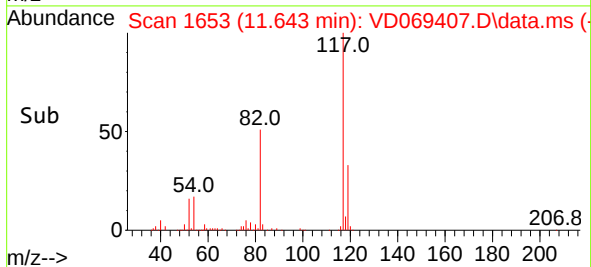
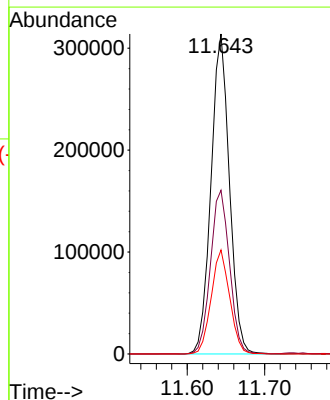
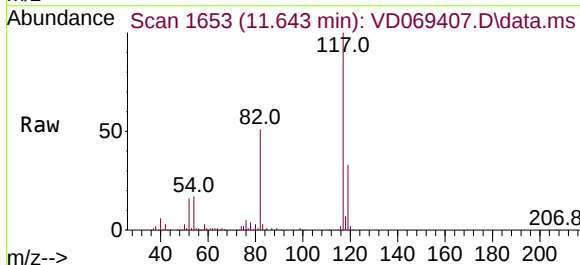
Instrument :
MSVOA_D
ClientSampleId :

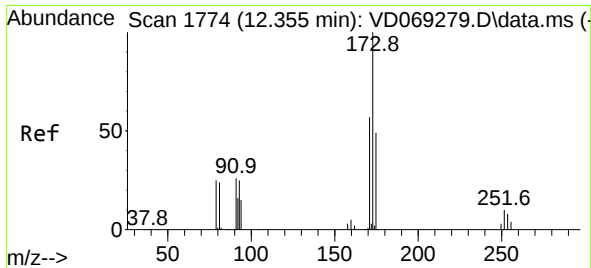
Tgt Ion:	95	Resp:	231575
Ion Ratio	Lower	Upper	
95	100		
174	85.6	0.0	162.8
176	82.8	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

Tgt Ion:	117	Resp:	518588
Ion Ratio	Lower	Upper	
117	100		
82	51.2	43.3	64.9
119	32.5	25.3	37.9

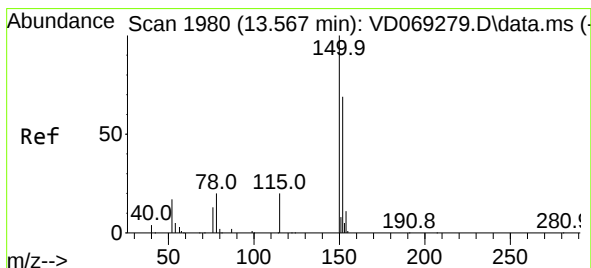
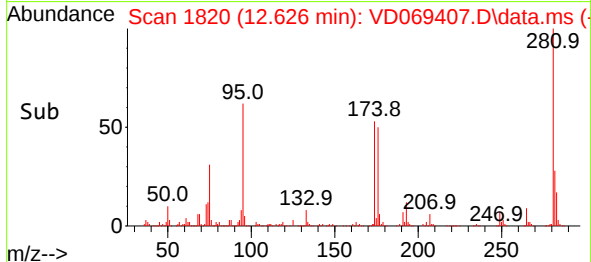
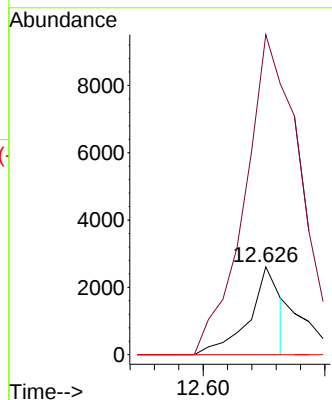
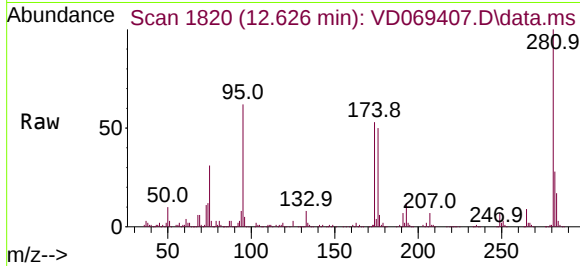




#71
Bromoform
Concen: 1.13 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

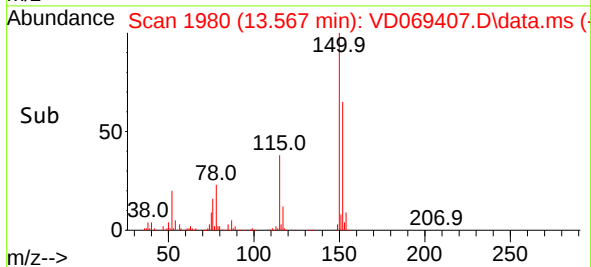
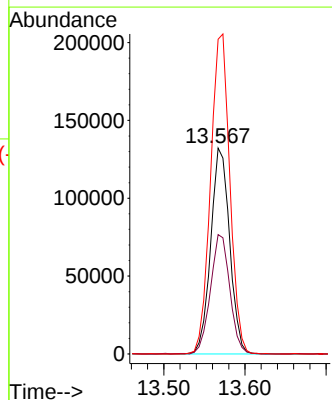
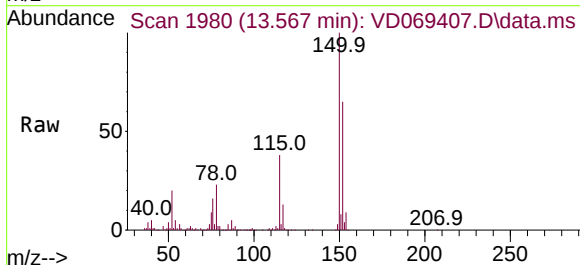
Instrument :
MSVOA_D
ClientSampled :

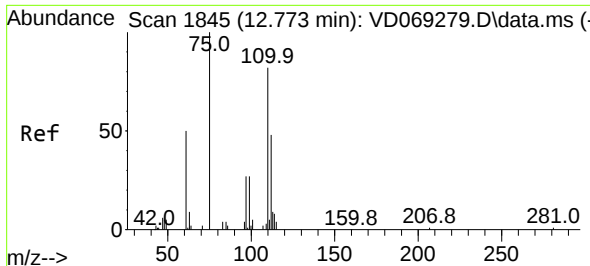
Tgt Ion:173 Resp: 2327
Ion Ratio Lower Upper
173 100
175 447.2 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

Tgt Ion:152 Resp: 213632
Ion Ratio Lower Upper
152 100
115 59.4 29.4 88.3
150 158.4 0.0 355.0

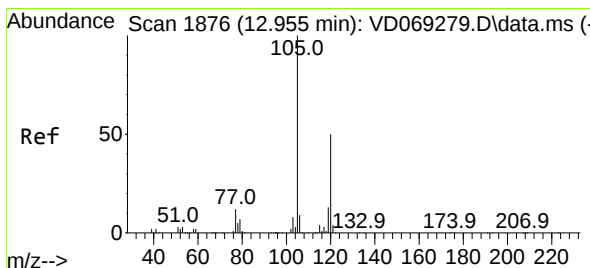
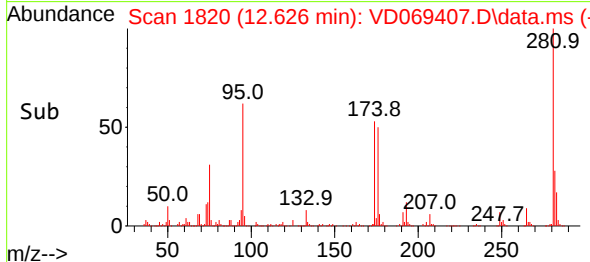
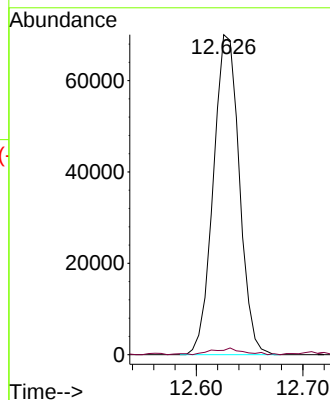
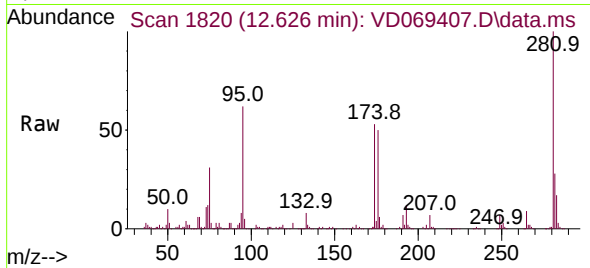




#76
1,2,3-Trichloropropane
Concen: 63.86 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

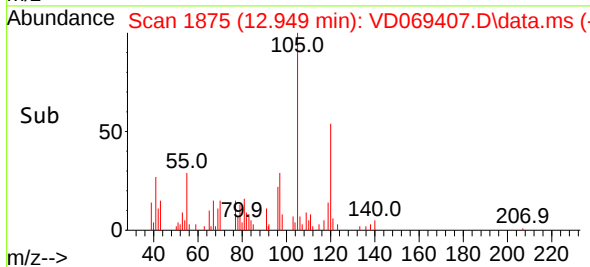
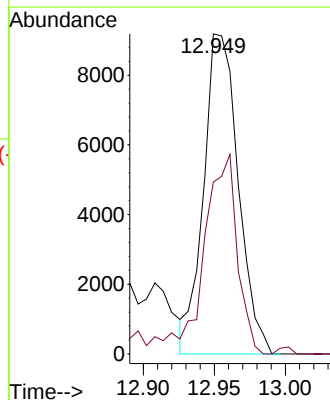
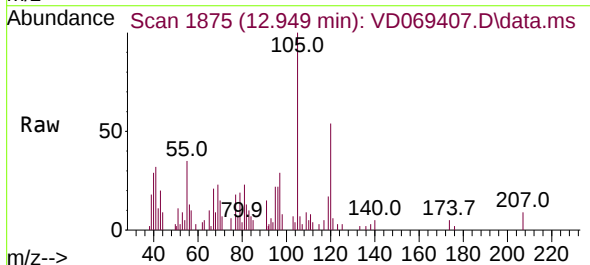
Instrument :
MSVOA_D
ClientSampled :

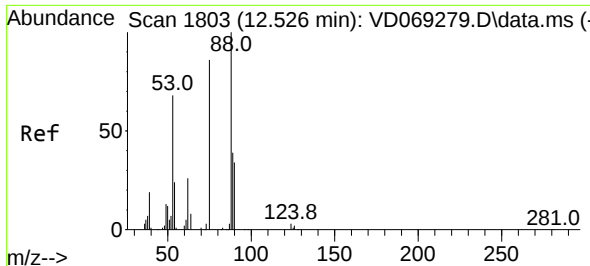
Tgt Ion: 75 Resp: 118522
Ion Ratio Lower Upper
75 100
77 2.4 183.8 551.2#



#80
1,3,5-Trimethylbenzene
Concen: 1.26 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

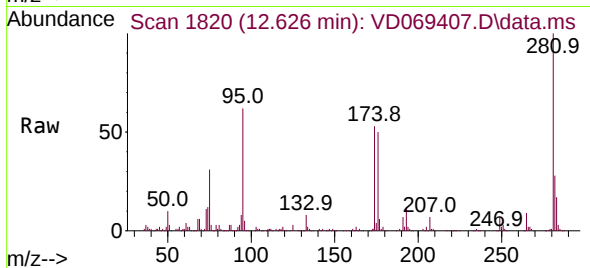
Tgt Ion:105 Resp: 15602
Ion Ratio Lower Upper
105 100
120 58.7 24.9 74.7



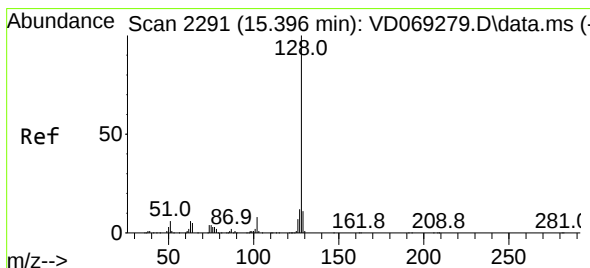
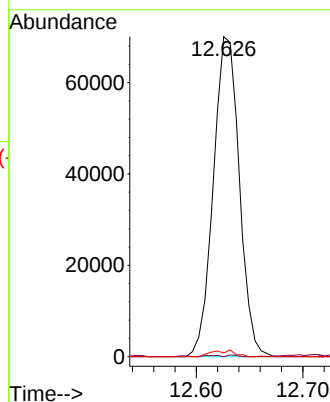
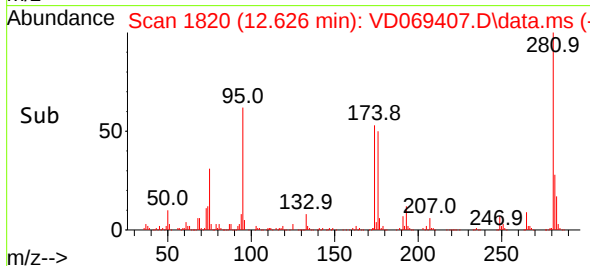


#81
trans-1,4-Dichloro-2-butene
Concen: 141.50 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26

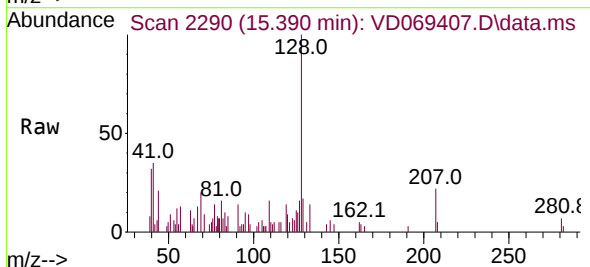
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 118522
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 1.8 35.6 53.4#



#95
Naphthalene
Concen: 4.54 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069407.D
Acq: 09 Jun 2021 16:26



Tgt Ion: 128 Resp: 9666
Ion Ratio Lower Upper
128 100
127 19.3 10.4 15.6#
129 13.9 8.8 13.2#

