

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072721\
 Data File : VD069867.D
 Acq On : 27 Jul 2021 15:28
 Operator : VA/SY
 Sample : M3200-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 03:59:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

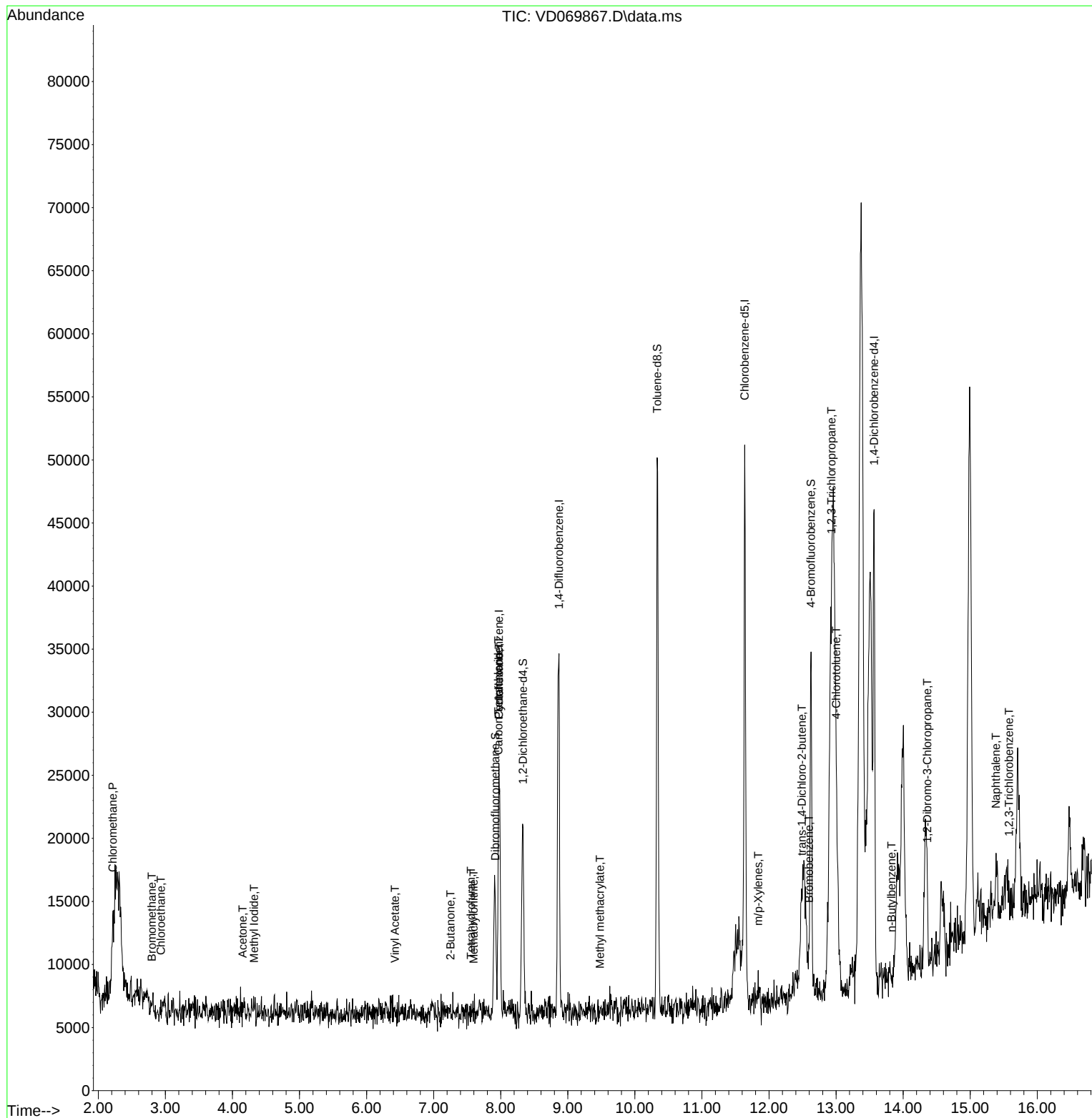
Internal Standards						
1) Pentafluorobenzene	7.973	168	13507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	26050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	23354	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	10182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	12443	80.100	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.200%	
35) Dibromofluoromethane	7.920	113	8211	50.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.000%	
50) Toluene-d8	10.332	98	30406	48.018	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.040%	
62) 4-Bromofluorobenzene	12.626	95	9569	45.217	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	404	1.959	ug/l #	27
5) Bromomethane	2.797	94	644	3.244	ug/l #	75
6) Chloroethane	2.932	64	182	1.295	ug/l #	40
10) Methyl Iodide	4.320	142	137	4.222	ug/l #	40
16) Acetone	4.150	43	123	4.383	ug/l #	38
20) Methylene Chloride	4.950	84	346	Below Cal	#	69
23) Vinyl Acetate	6.420	43	62	20.559	ug/l #	71
25) 2-Butanone	7.250	43	84	2.207	ug/l #	46
29) Tetrahydrofuran	7.556	42	91	3.696	ug/l #	32
31) Cyclohexane	7.973	56	334	1.100	ug/l #	42
38) Carbon Tetrachloride	7.967	117	1427	5.557	ug/l #	12
41) Methacrylonitrile	7.597	41	72	1.341	ug/l #	18
48) Methyl methacrylate	9.479	41	58	3.308	ug/l #	13
68) m/p-Xylenes	11.838	106	491	1.487	ug/l #	39
76) 1,2,3-Trichloropropane	12.932	75	1005	9.286	ug/l	43
77) Bromobenzene	12.596	156	1791	10.870	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.491	75	230	6.447	ug/l #	19
82) 4-Chlorotoluene	13.002	91	586	1.027	ug/l #	43
89) n-Butylbenzene	13.826	91	703	1.090	ug/l #	33
92) 1,2-Dibromo-3-Chloropr...	14.361	75	89	4.230	ug/l #	1
95) Naphthalene	15.385	128	2276	11.154	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.579	180	161	1.156	ug/l #	12

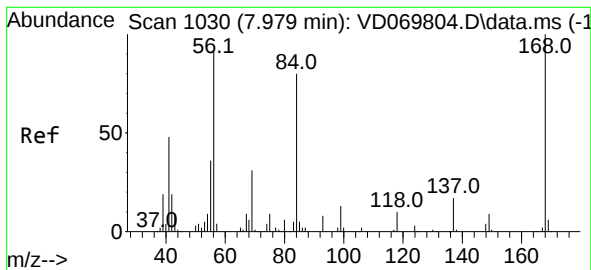
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

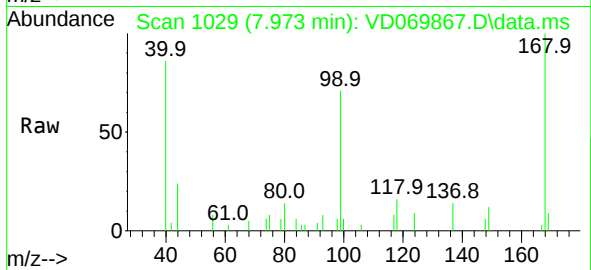
Quant Time: Jul 28 03:59:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
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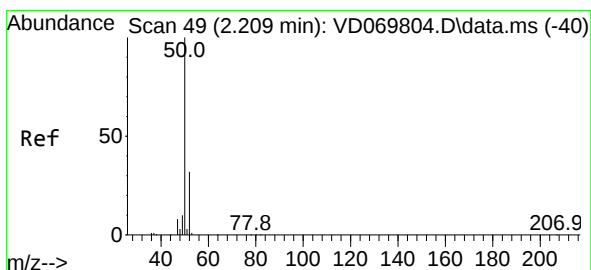
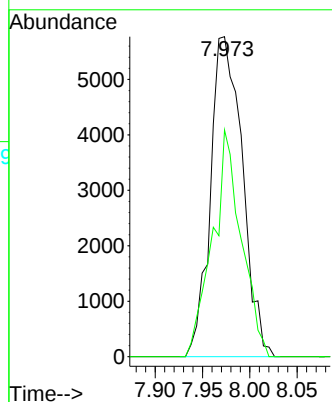
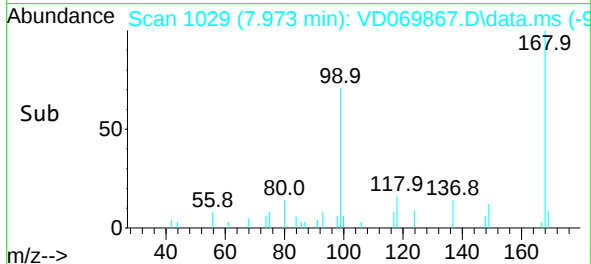


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

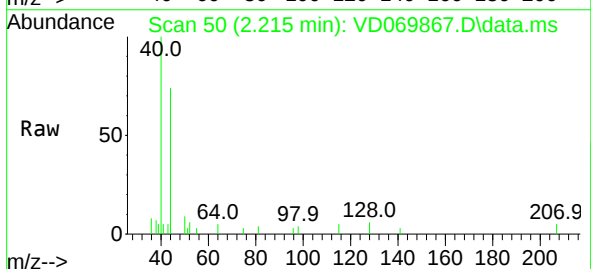
Instrument :
MSVOA_D
ClientSampleId :



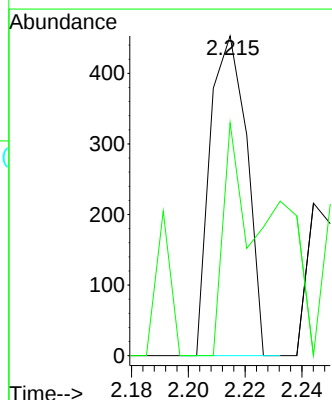
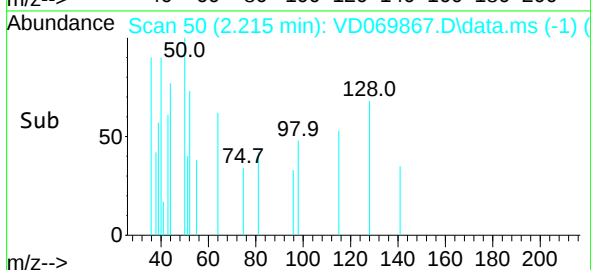
Tgt Ion:168 Resp: 13507
Ion Ratio Lower Upper
168 100
99 70.9 51.1 76.7

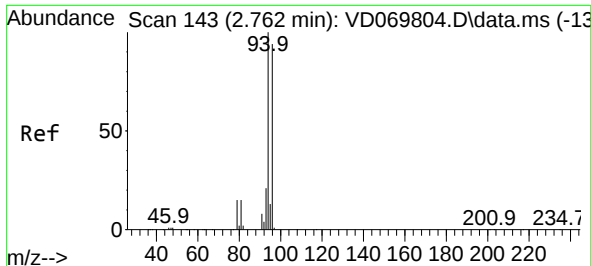


#3
Chloromethane
Concen: 1.959 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28



Tgt Ion: 50 Resp: 404
Ion Ratio Lower Upper
50 100
52 72.8 25.7 38.5#

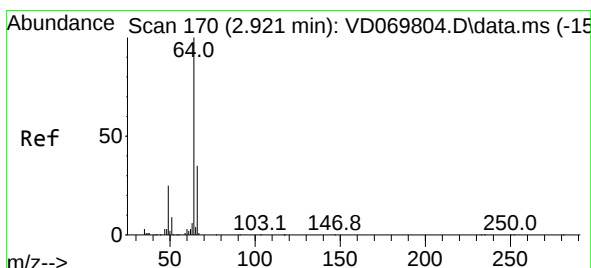
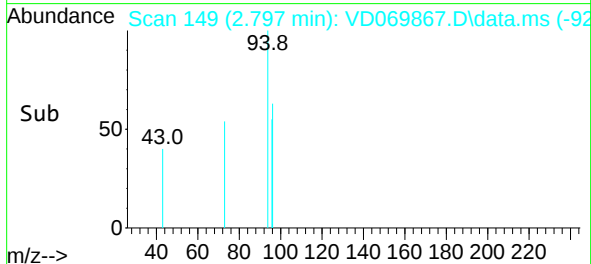
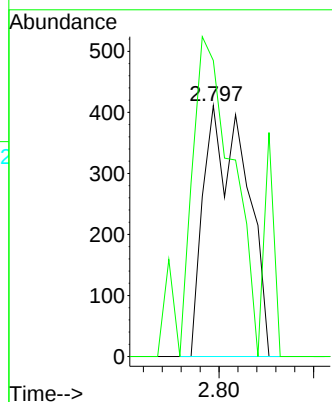
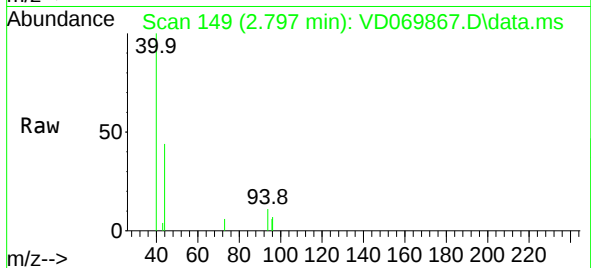




#5
Bromomethane
Concen: 3.244 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

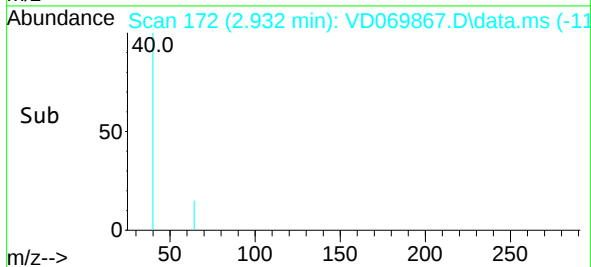
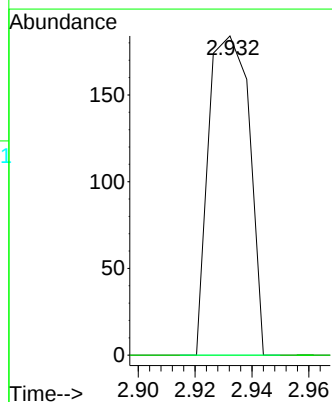
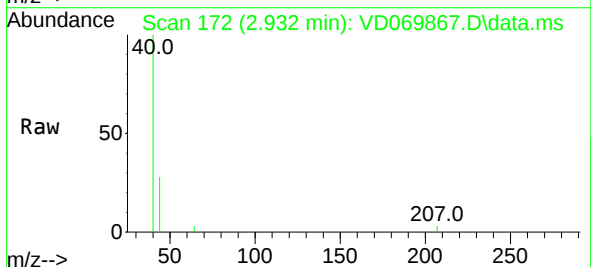
Instrument :
MSVOA_D
ClientSampled :

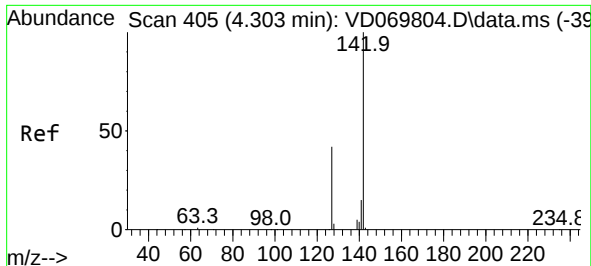
Tgt Ion: 94 Resp: 644
Ion Ratio Lower Upper
94 100
96 118.0 74.8 112.2#



#6
Chloroethane
Concen: 1.295 ug/l
RT: 2.932 min Scan# 172
Delta R.T. 0.012 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion: 64 Resp: 182
Ion Ratio Lower Upper
64 100
66 0.0 27.8 41.6#

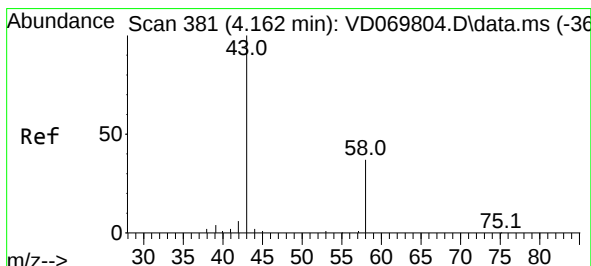
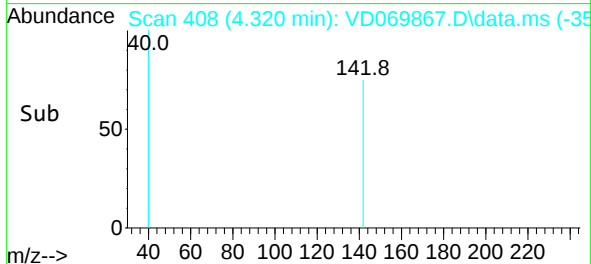
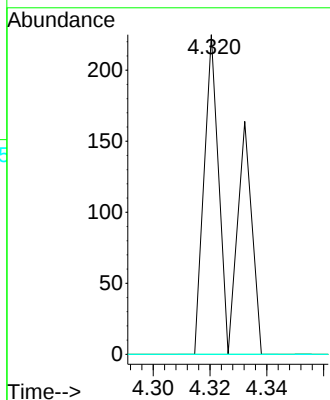
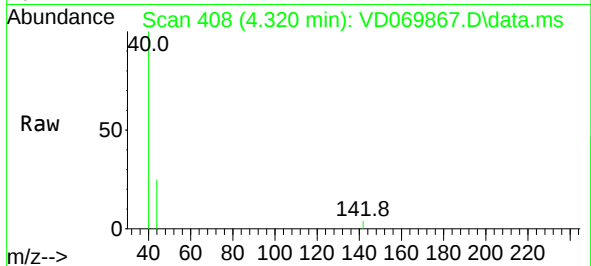




#10
Methyl Iodide
Concen: 4.222 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

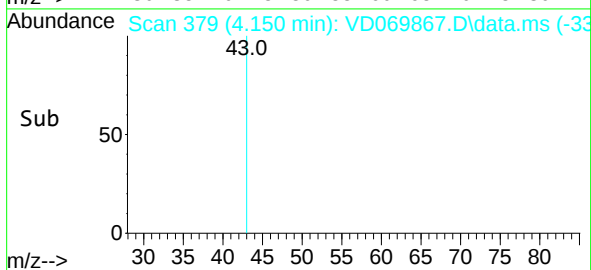
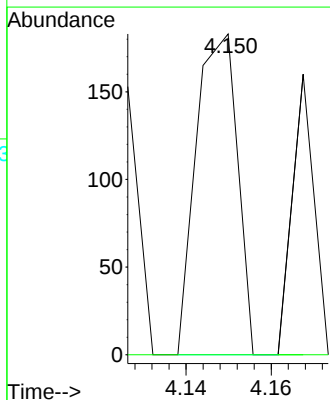
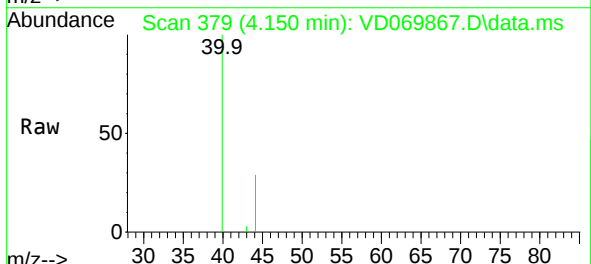
Instrument :
MSVOA_D
ClientSampled :

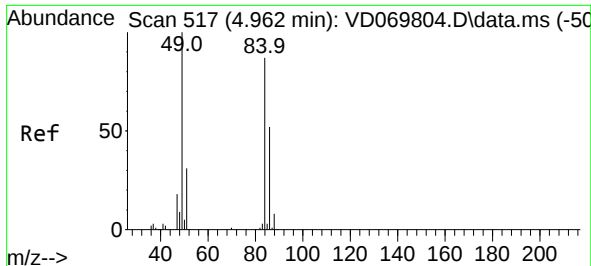
Tgt Ion:142 Resp: 137
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 4.383 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#





#20

Methylene Chloride

Concen: Below Cal

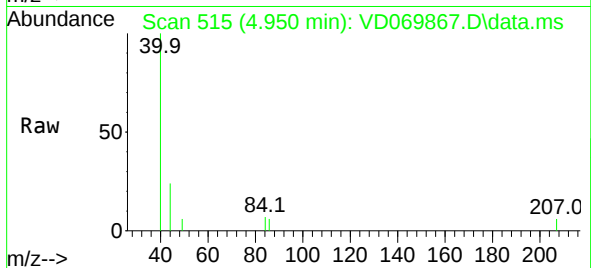
RT: 4.950 min Scan# 515

Delta R.T. -0.012 min

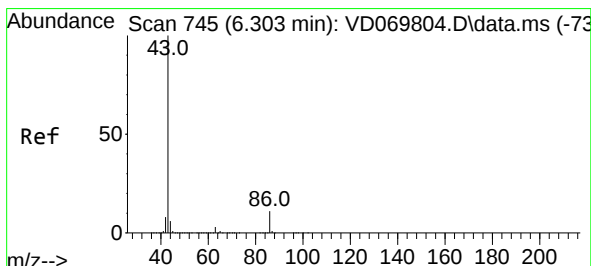
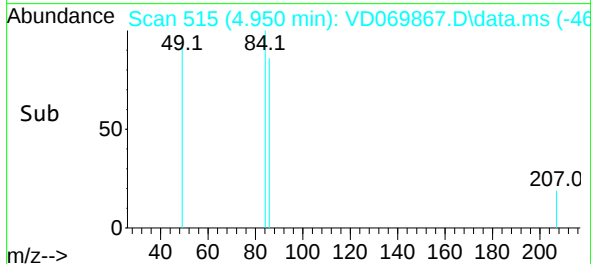
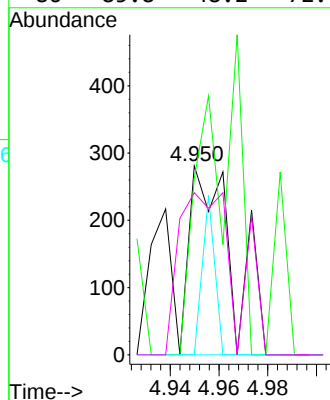
Lab File: VD069867.D

Acq: 27 Jul 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	84	Resp:	346
Ion	Ratio	Lower	Upper
84	100		
49	93.6	92.4	138.6
51	0.0	28.5	42.7#
86	85.8	48.2	72.4#



#23

Vinyl Acetate

Concen: 20.559 ug/l

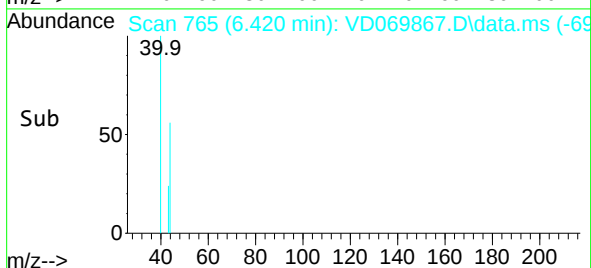
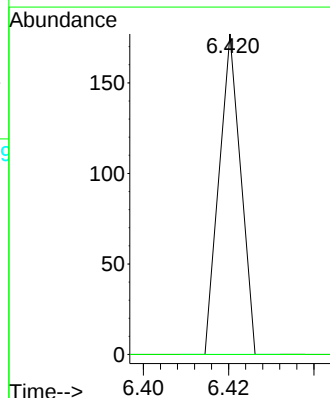
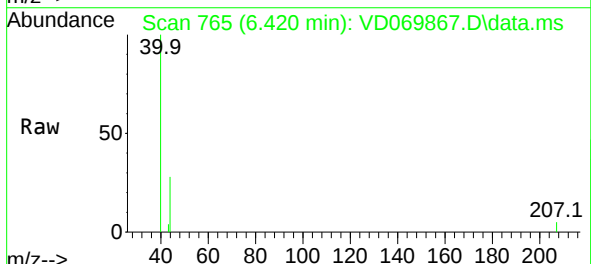
RT: 6.420 min Scan# 765

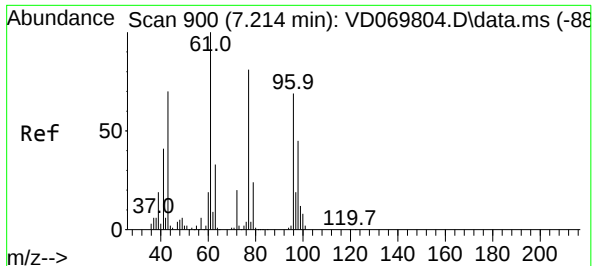
Delta R.T. 0.117 min

Lab File: VD069867.D

Acq: 27 Jul 2021 15:28

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

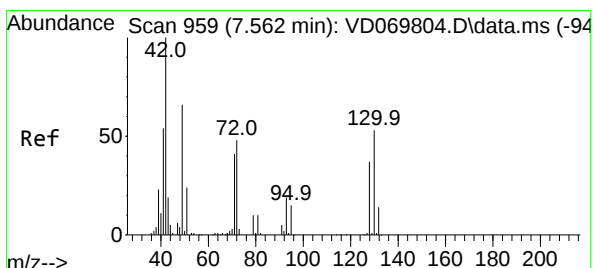
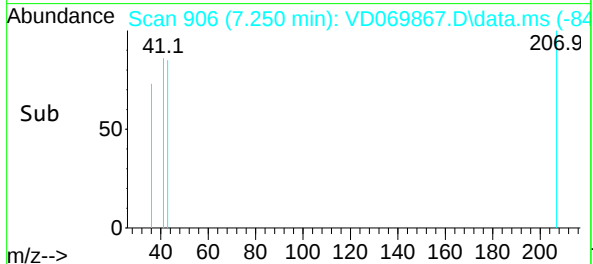
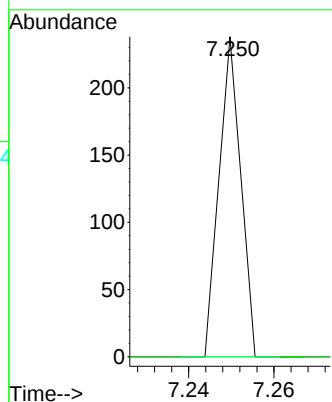
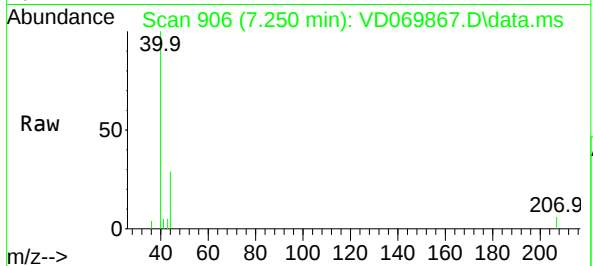




#25
2-Butanone
Concen: 2.207 ug/l
RT: 7.250 min Scan# 906
Delta R.T. 0.035 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

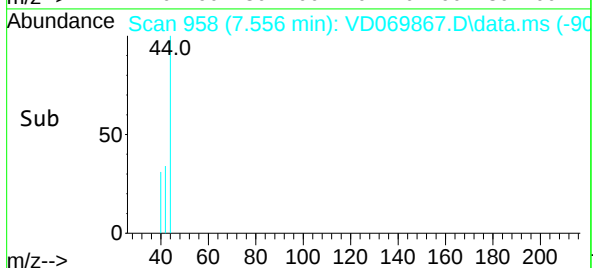
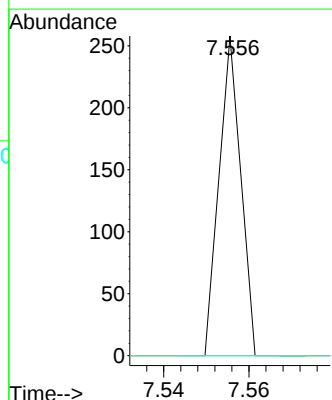
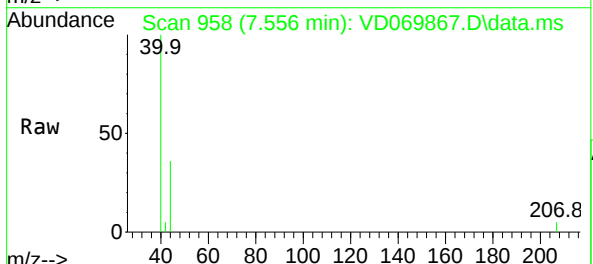
Instrument :
MSVOA_D
ClientSampled :

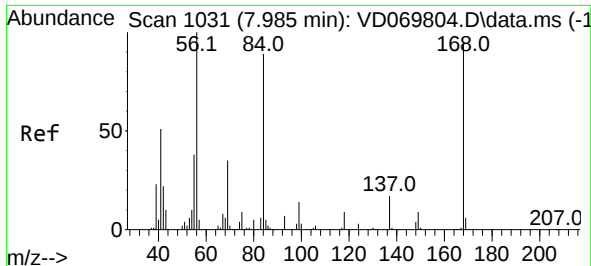
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#29
Tetrahydrofuran
Concen: 3.696 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

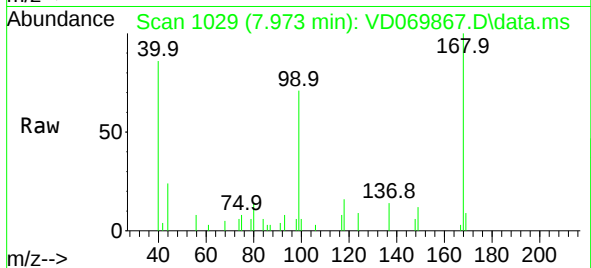
Tgt Ion: 42 Resp: 91
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.5 50.3#



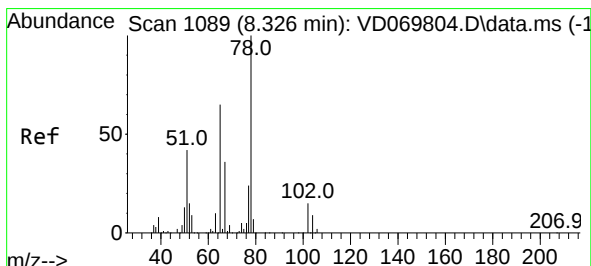
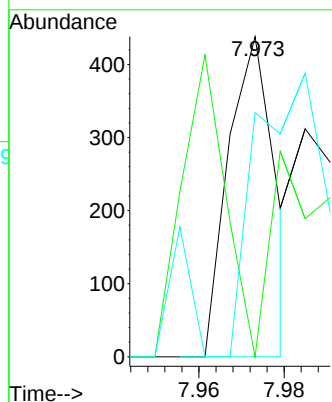
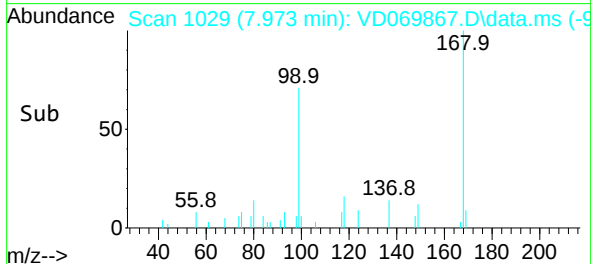


#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

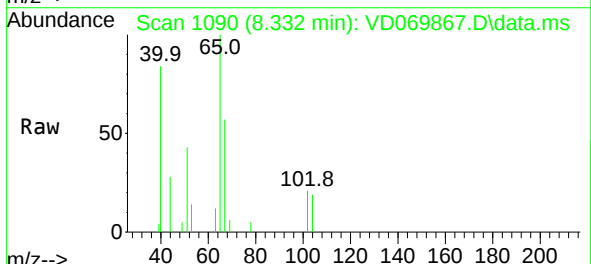
Instrument :
MSVOA_D
ClientSampled :



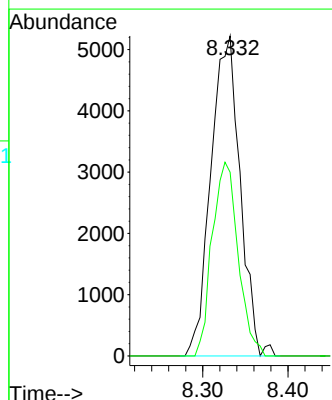
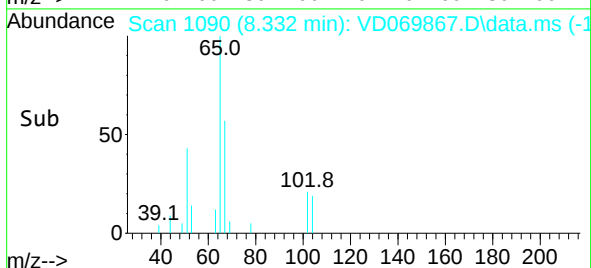
Tgt Ion: 56 Resp: 334
Ion Ratio Lower Upper
56 100
69 0.0 27.9 41.9#
84 35.6 71.4 107.2#

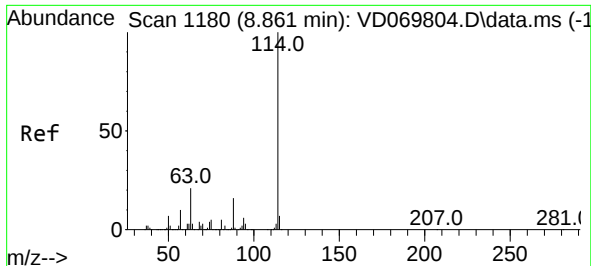


#33
1,2-Dichloroethane-d4
Concen: 80.100 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28



Tgt Ion: 65 Resp: 12443
Ion Ratio Lower Upper
65 100
67 53.7 0.0 111.2



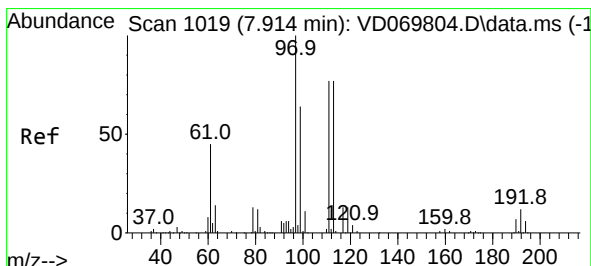
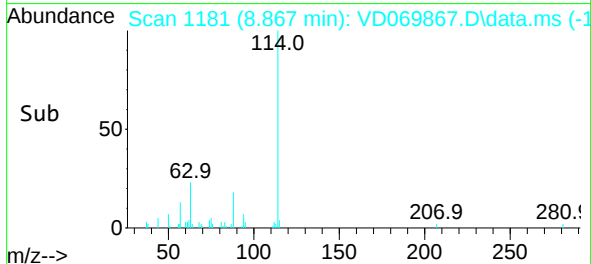
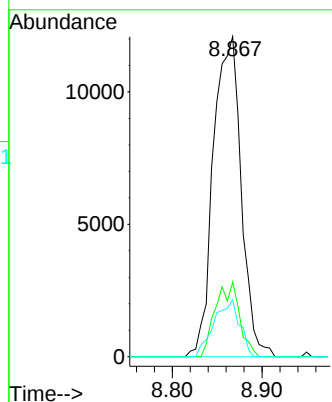
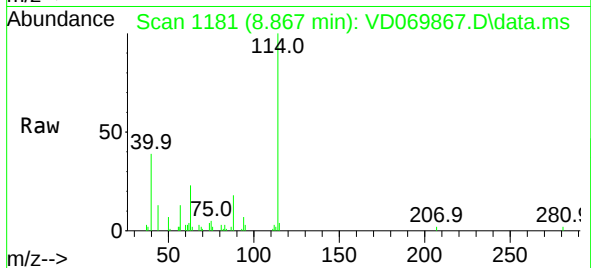


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :

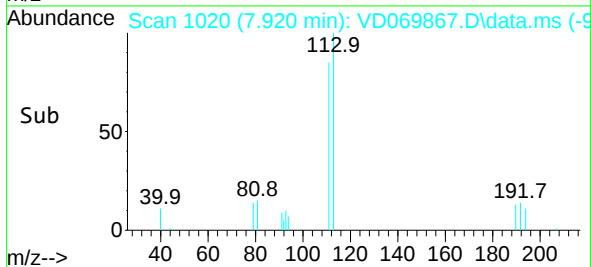
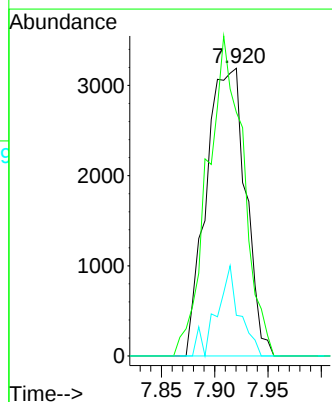
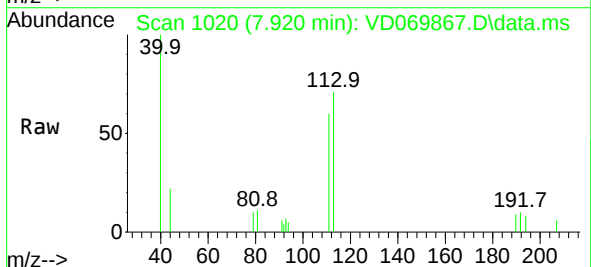
Tgt Ion:	114	Resp:	26050
Ion Ratio	Lower	Upper	
114	100		
63	23.3	0.0	41.6
88	17.7	0.0	31.4

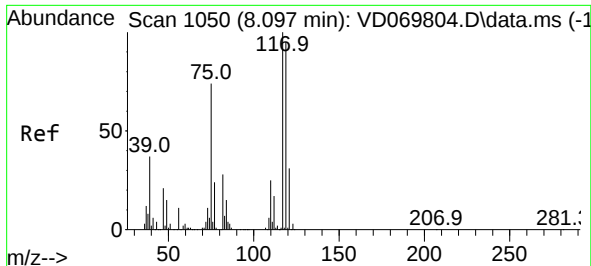


#35

Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion:	113	Resp:	8211
Ion Ratio	Lower	Upper	
113	100		
111	101.0	80.5	120.7
192	18.3	12.6	19.0

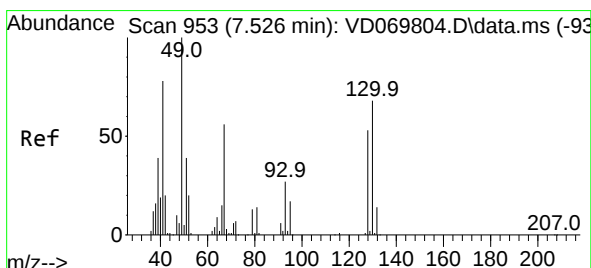
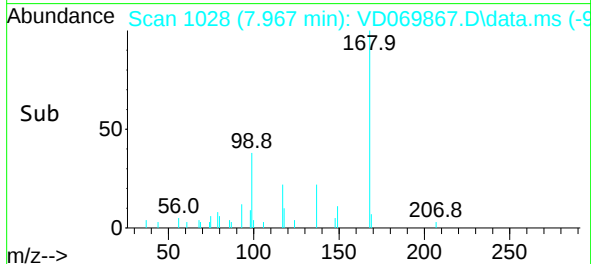
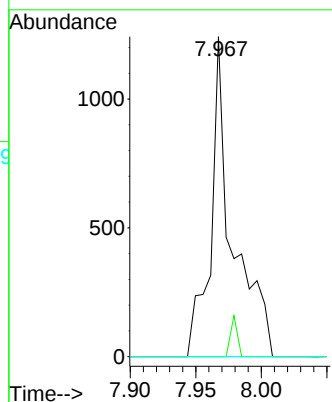
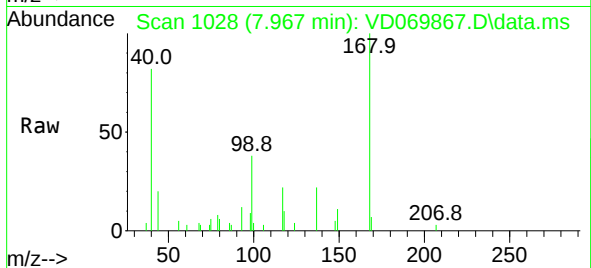




#38
Carbon Tetrachloride
Concen: 5.557 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.129 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

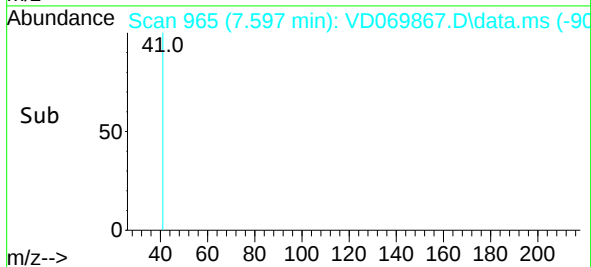
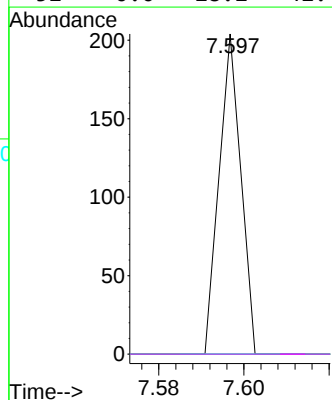
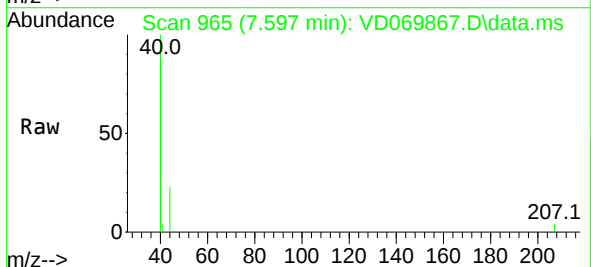
Instrument :
MSVOA_D
ClientSampleId :

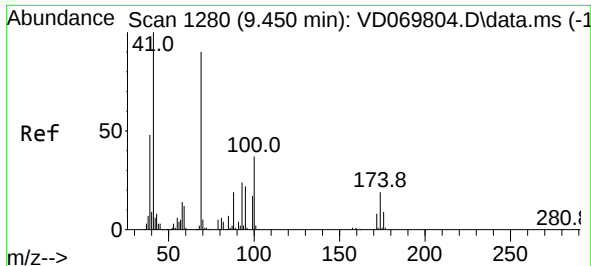
Tgt Ion:117 Resp: 1427
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 1.341 ug/l
RT: 7.597 min Scan# 965
Delta R.T. 0.071 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 0.0 69.3 103.9#
52 0.0 28.2 42.4#

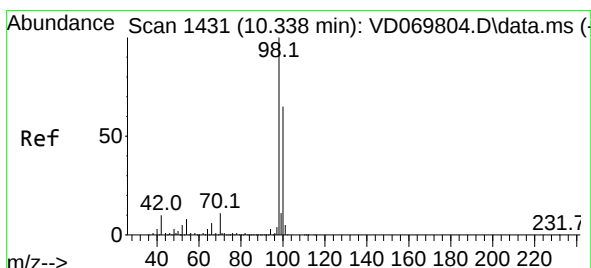
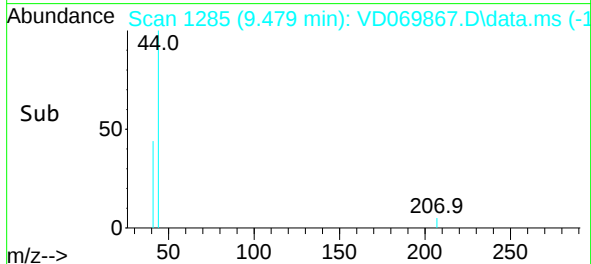
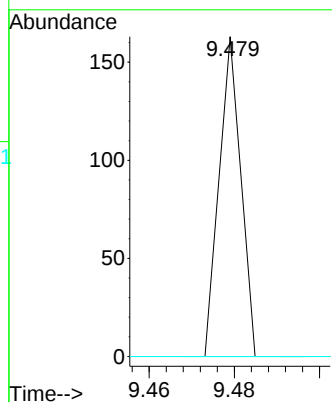
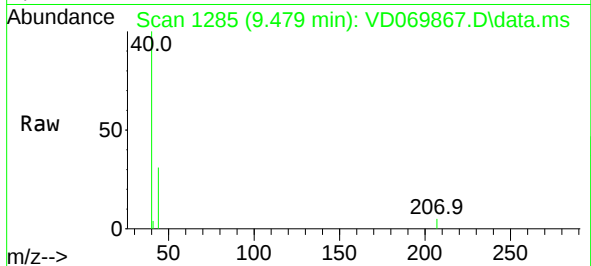




#48
Methyl methacrylate
Concen: 3.308 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.029 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

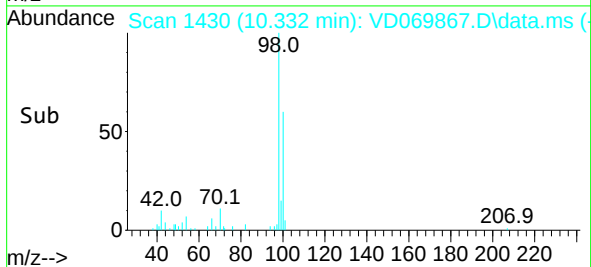
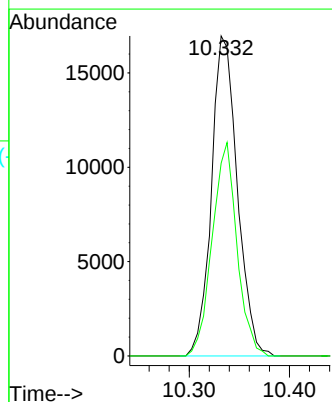
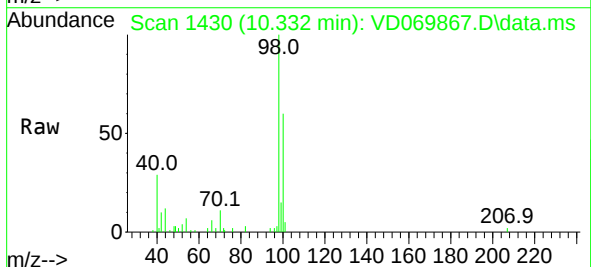
Instrument :
MSVOA_D
ClientSampleId :

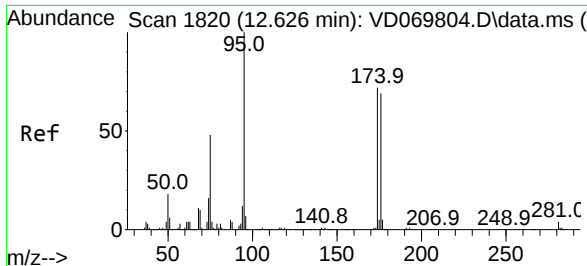
Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 48.018 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion: 98 Resp: 30406
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

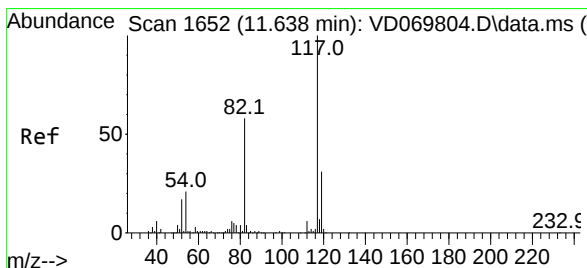
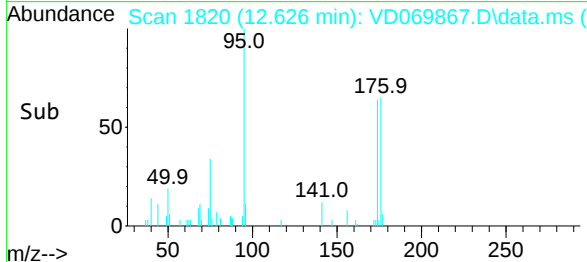
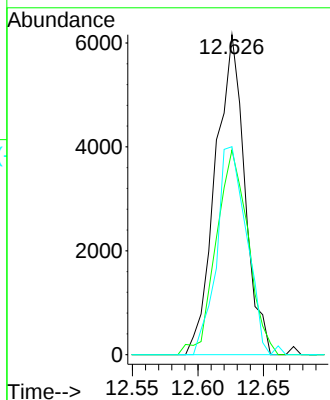
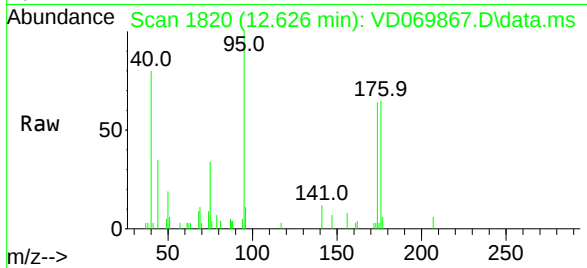




#62
4-Bromofluorobenzene
Concen: 45.217 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

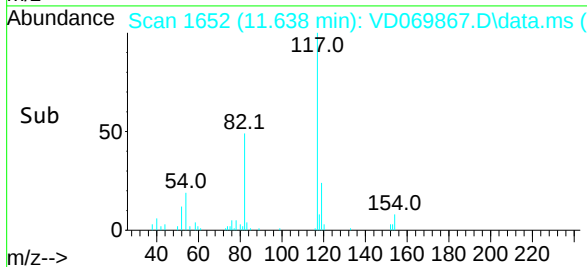
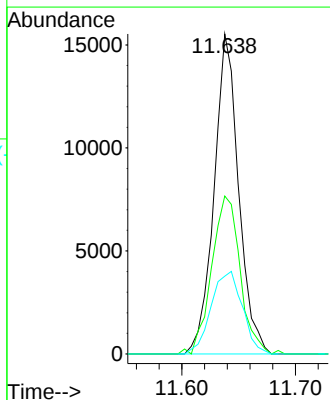
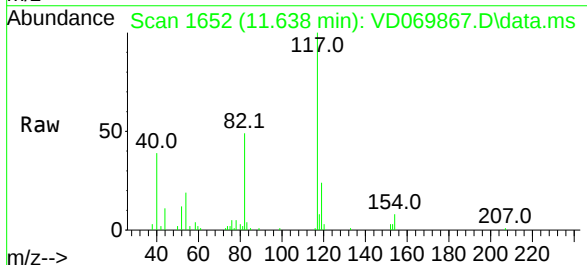
Instrument :
MSVOA_D
ClientSampleId :

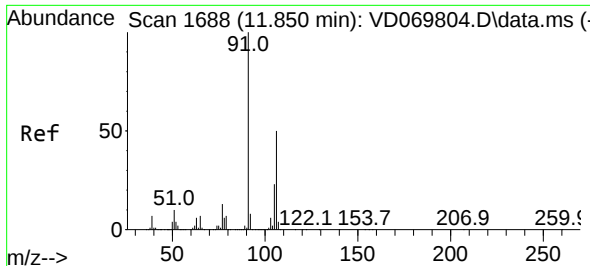
Tgt Ion: 95 Resp: 9569
Ion Ratio Lower Upper
95 100
174 69.9 0.0 142.6
176 67.0 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion: 117 Resp: 23354
Ion Ratio Lower Upper
117 100
82 49.3 46.3 69.5
119 24.3 24.7 37.1#

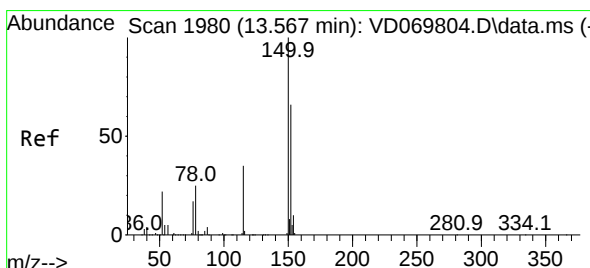
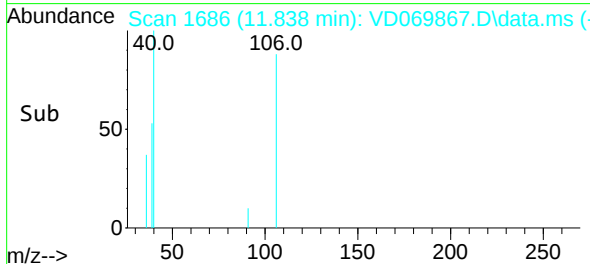
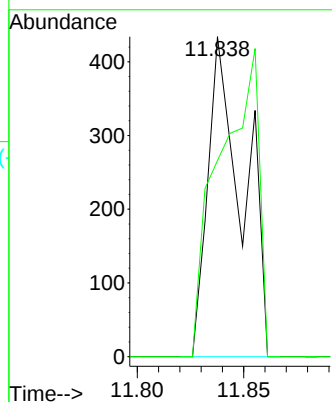
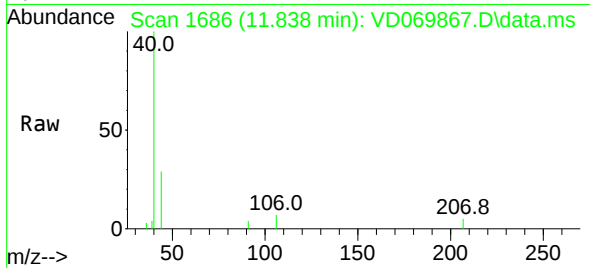




#68
m/p-Xylenes
Concen: 1.487 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.012 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

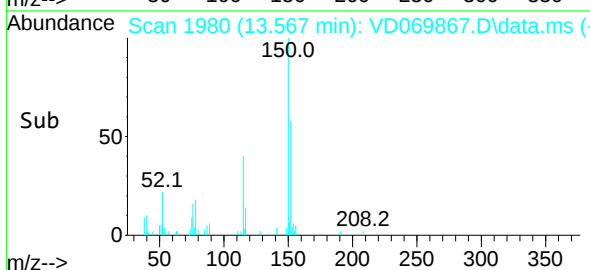
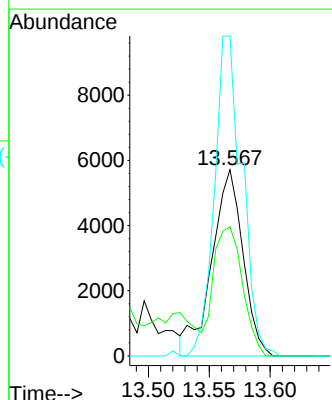
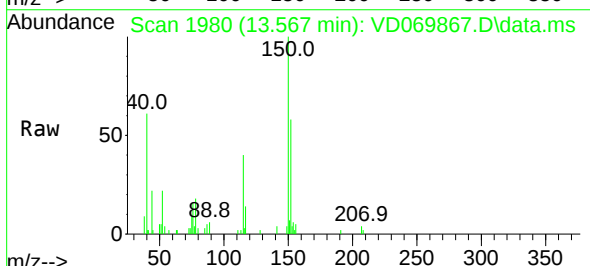
Instrument :
MSVOA_D
ClientSampled :

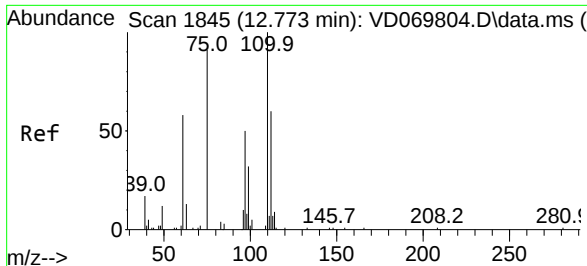
Tgt Ion:106 Resp: 491
Ion Ratio Lower Upper
106 100
91 109.6 162.4 243.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion:152 Resp: 10182
Ion Ratio Lower Upper
152 100
115 64.6 31.1 93.3
150 152.3 0.0 343.0

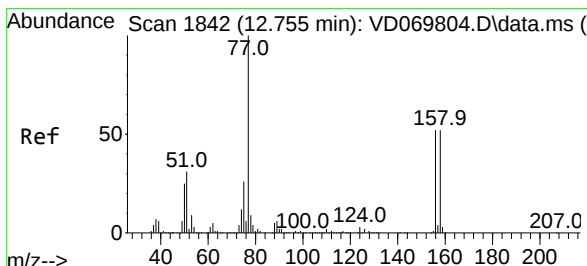
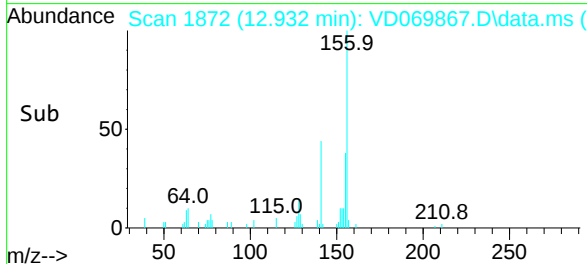
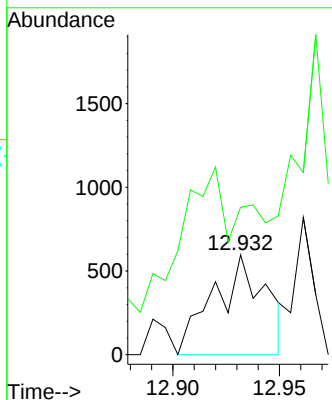
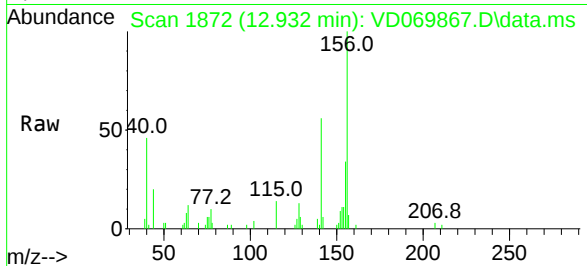




#76
1,2,3-Trichloropropane
Concen: 9.286 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. 0.159 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

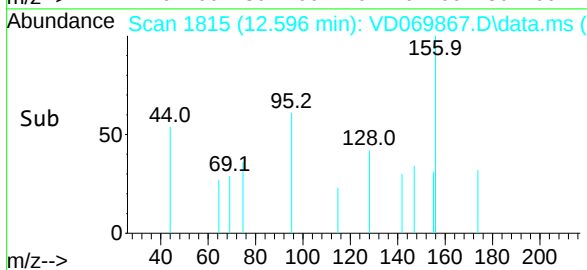
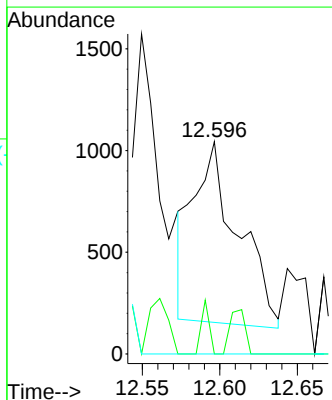
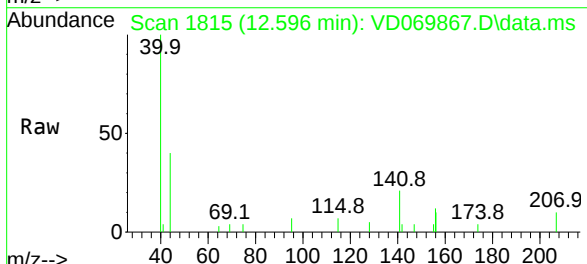
Instrument :
MSVOA_D
ClientSampled :

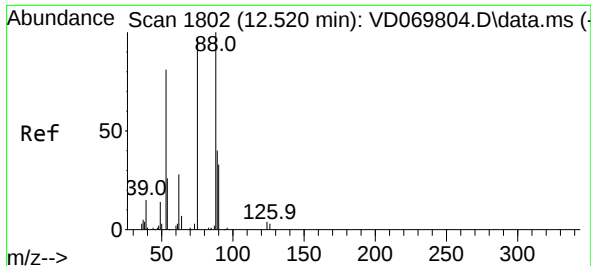
Tgt Ion: 75 Resp: 1005
Ion Ratio Lower Upper
75 100
77 237.1 181.5 544.5



#77
Bromobenzene
Concen: 10.870 ug/l
RT: 12.596 min Scan# 1815
Delta R.T. -0.159 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion: 156 Resp: 1791
Ion Ratio Lower Upper
156 100
77 8.3 107.1 321.3#
158 0.0 48.1 144.3#

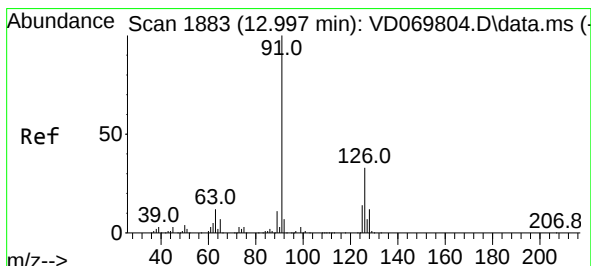
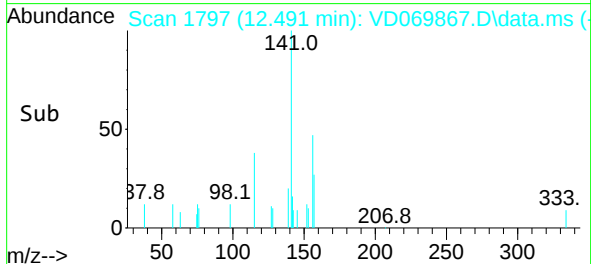
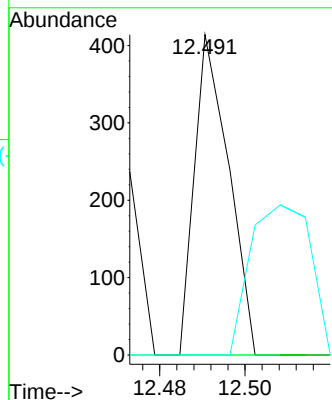
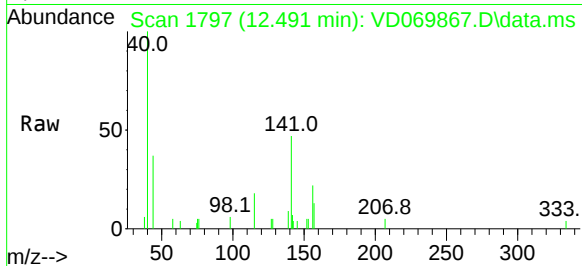




#81
trans-1,4-Dichloro-2-butene
Concen: 6.447 ug/l
RT: 12.491 min Scan# 1797
Delta R.T. -0.029 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

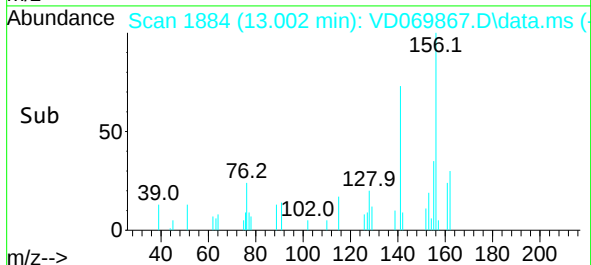
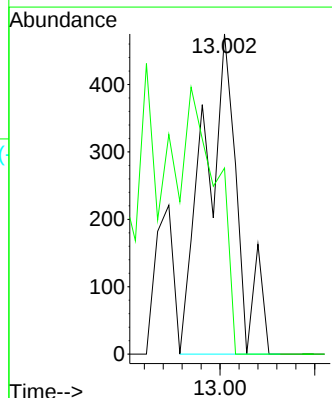
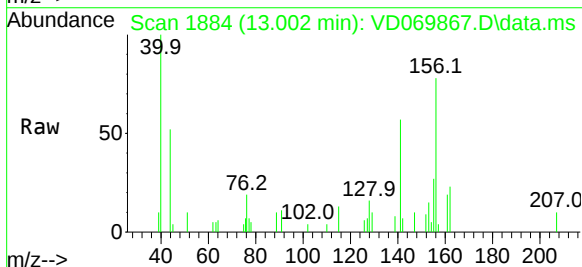
Instrument :
MSVOA_D
ClientSampleId :

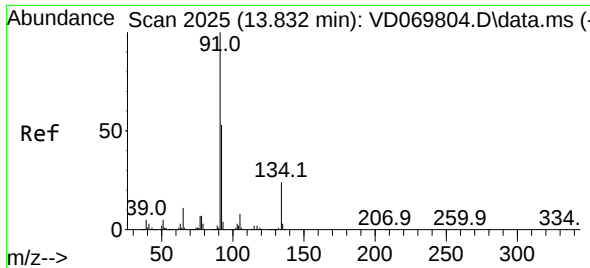
Tgt Ion: 75 Resp: 230
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 83.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.027 ug/l
RT: 13.002 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion: 91 Resp: 586
Ion Ratio Lower Upper
91 100
126 0.0 15.9 47.6#

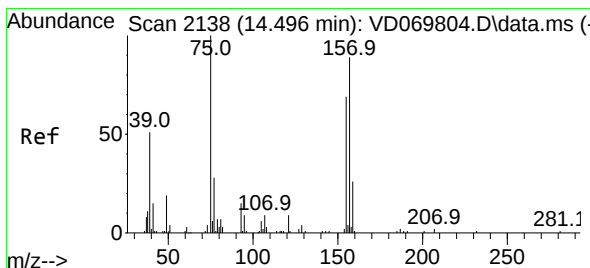
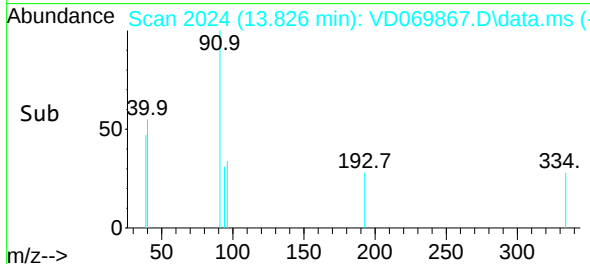
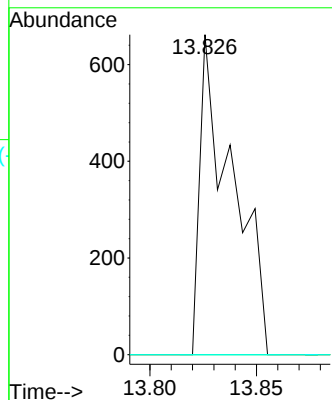
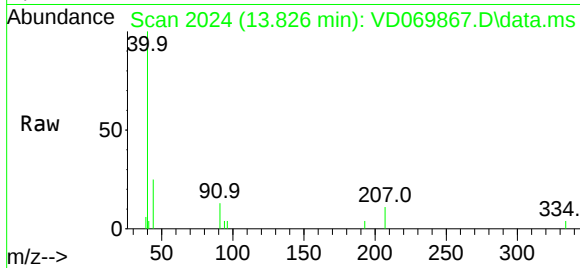




#89
n-Butylbenzene
Concen: 1.090 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

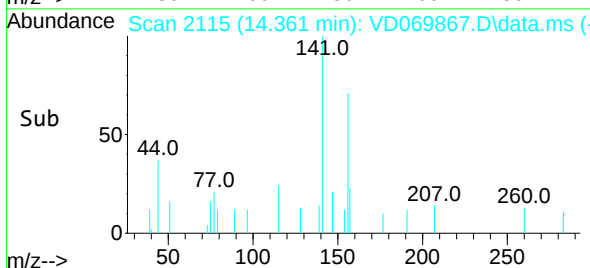
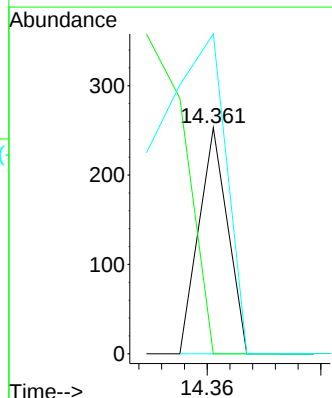
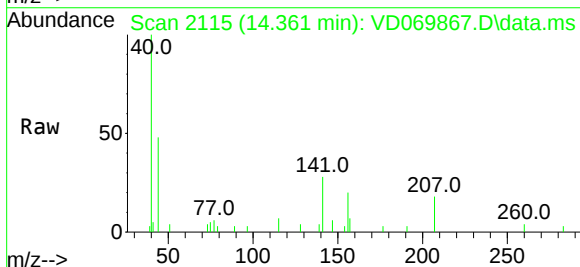
Instrument :
MSVOA_D
ClientSampleId :

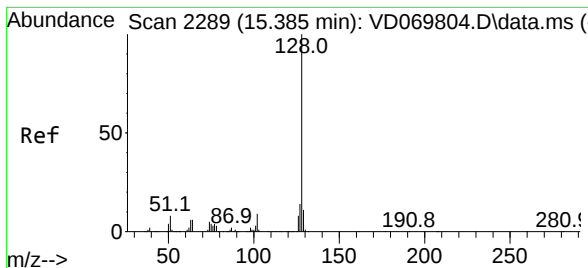
Tgt Ion: 91	Resp:	703
Ion Ratio	Lower	Upper
91	100	
92	0.0	26.6 79.7#
134	0.0	11.9 35.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.230 ug/l
RT: 14.361 min Scan# 2115
Delta R.T. -0.135 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion: 75	Resp:	89
Ion Ratio	Lower	Upper
75	100	
155	0.0	36.3 108.9#
157	350.6	47.0 141.0#

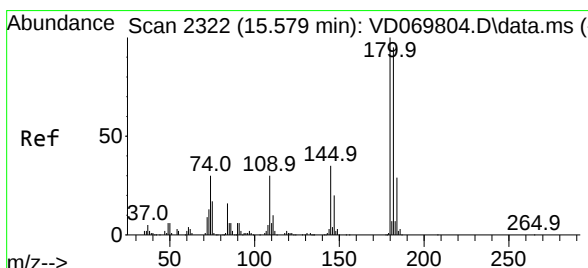
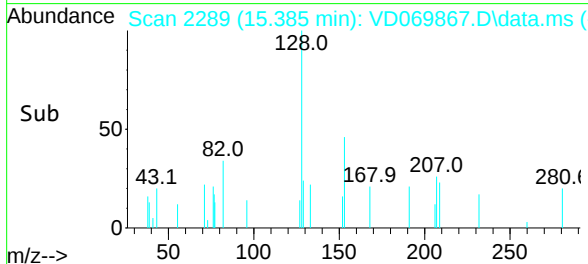
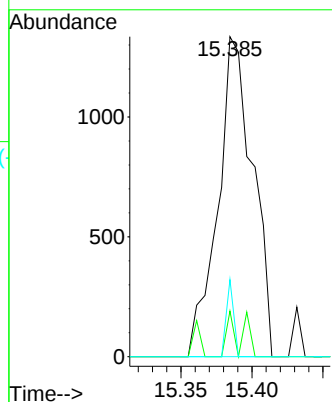
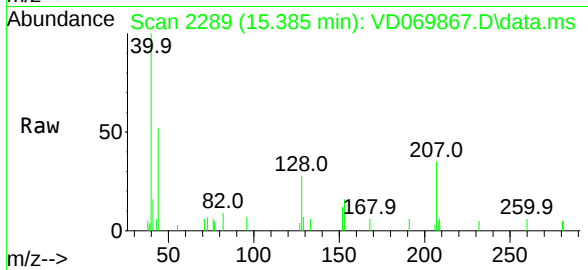




#95
Naphthalene
Concen: 11.154 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 2276
Ion Ratio Lower Upper
128 100
127 5.8 10.6 16.0#
129 5.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 1.156 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VD069867.D
Acq: 27 Jul 2021 15:28

Tgt Ion:180 Resp: 161
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 17.3 51.9#

