

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069855.D
 Acq On : 26 Jul 2021 18:45
 Operator : VA/SY
 Sample : M3114-05
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:13:10 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)

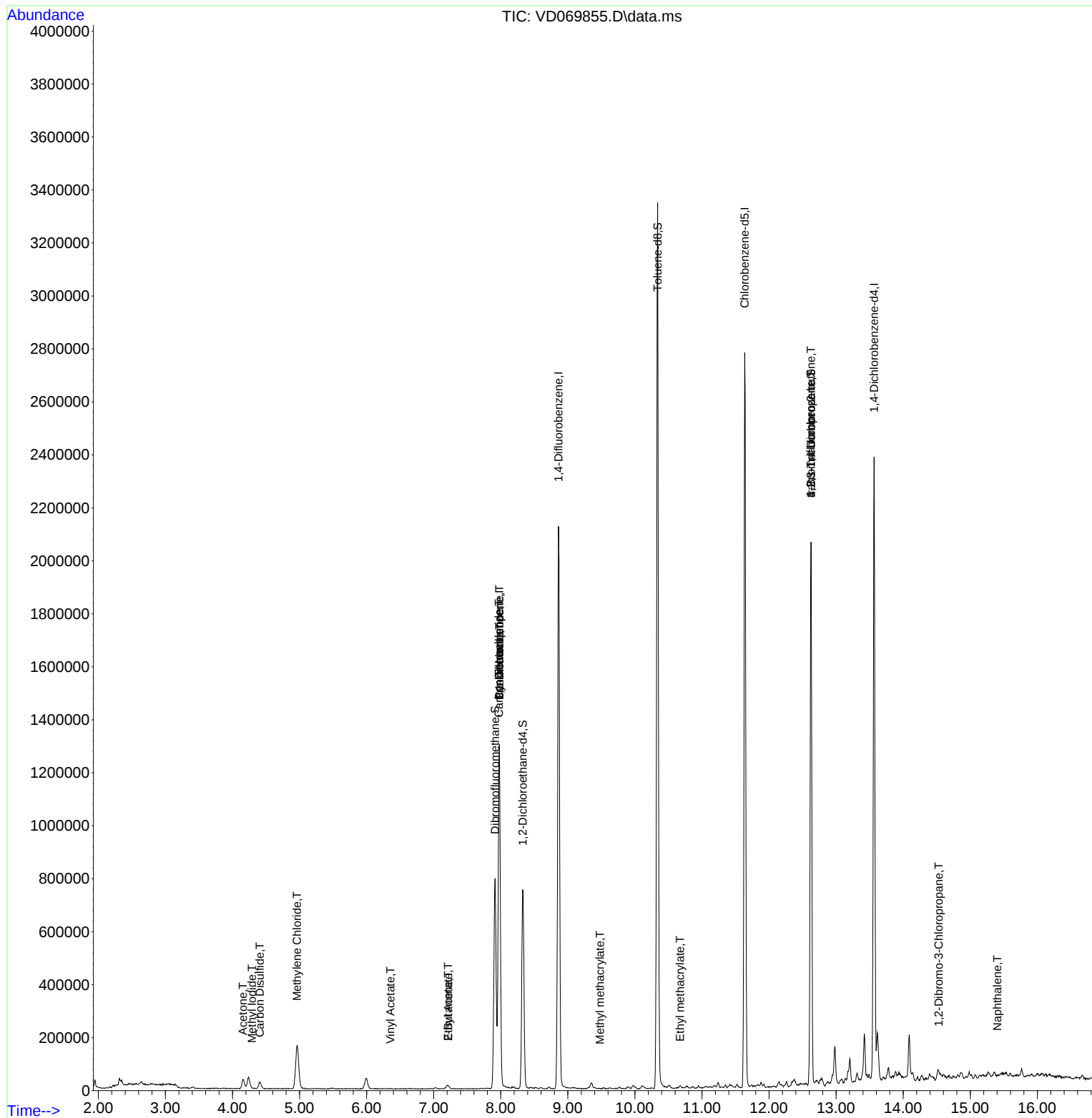
Internal Standards						
1) Pentafluorobenzene	7.979	168	926137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1811558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1620085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	615777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	618766	58.092	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.180%			
35) Dibromofluoromethane	7.914	113	590666	51.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.440%			
50) Toluene-d8	10.338	98	2243536	50.949	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.900%			
62) 4-Bromofluorobenzene	12.626	95	698498	47.463	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.920%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	3418	Below Cal		89
10) Methyl Iodide	4.291	142	1945	3.620 ug/l #		53
16) Acetone	4.156	43	61680	32.056 ug/l		89
17) Carbon Disulfide	4.409	76	51798	1.367 ug/l		98
20) Methylene Chloride	4.962	84	135807	3.922 ug/l		94
23) Vinyl Acetate	6.356	43	222	20.360 ug/l #		71
25) 2-Butanone	7.214	43	14588	5.591 ug/l #		89
31) Cyclohexane	7.979	56	22896	1.100 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	80973	4.142 ug/l #		49
37) Ethyl Acetate	7.214	43	14588	2.050 ug/l #		69
38) Carbon Tetrachloride	7.973	117	98355	5.508 ug/l #		17
48) Methyl methacrylate	9.479	41	280	2.786 ug/l #		56
56) Ethyl methacrylate	10.673	69	1283	3.989 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	344266	52.598 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	344266	159.568 ug/l #		16
92) 1,2-Dibromo-3-Chloropr...	14.532	75	1988	1.562 ug/l #		7
95) Naphthalene	15.402	128	3058	5.135 ug/l #		80

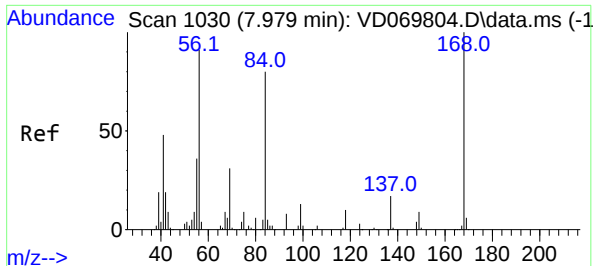
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 05:13:10 2021
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Response via : Initial Calibration

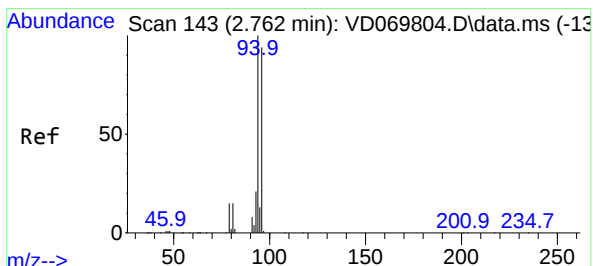
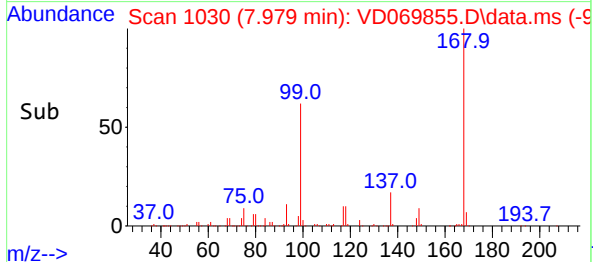
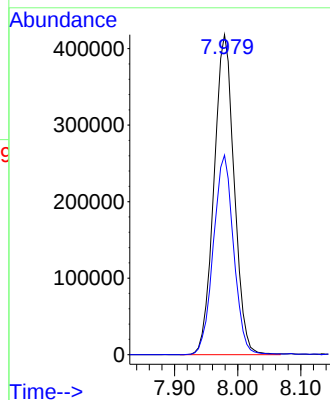
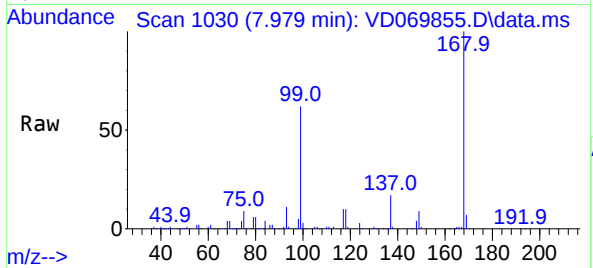




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

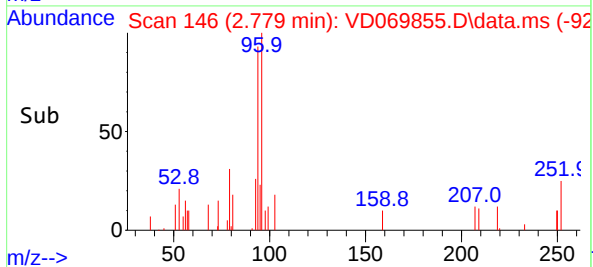
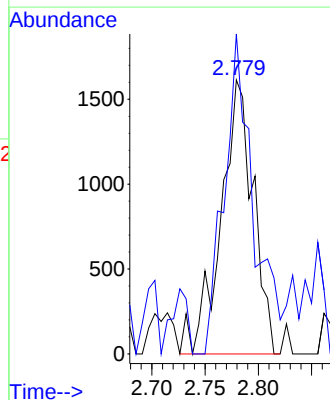
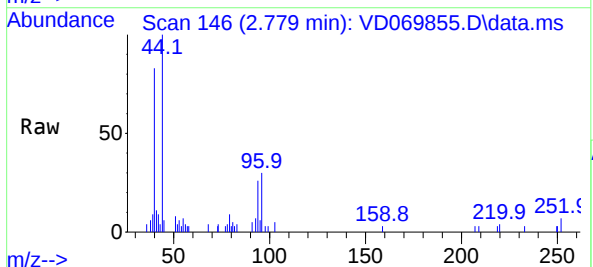
Instrument :
MSVOA_D
ClientSampleId :

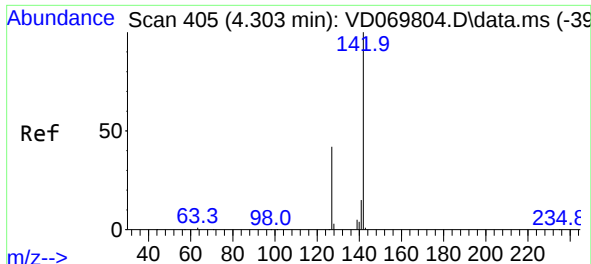
Tgt Ion:168 Resp: 926137
Ion Ratio Lower Upper
168 100
99 62.4 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 94 Resp: 3418
Ion Ratio Lower Upper
94 100
96 104.4 74.8 112.2

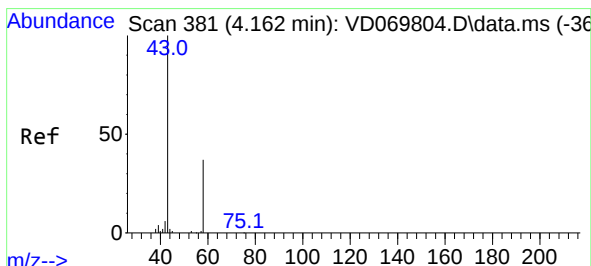
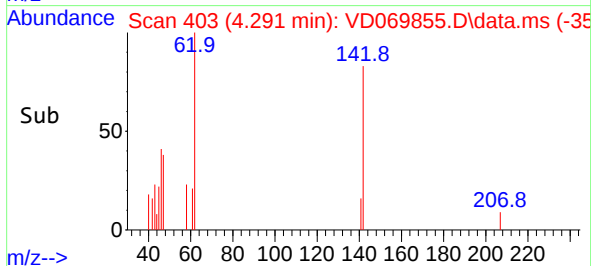
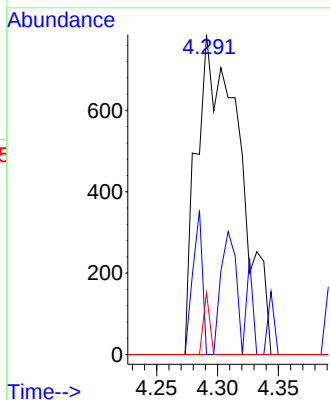
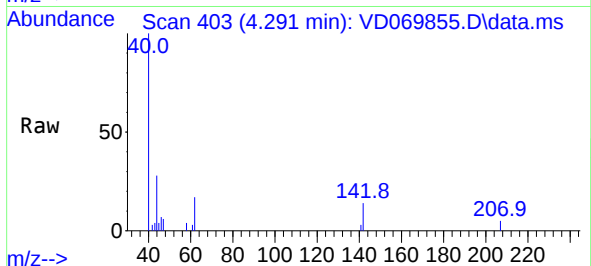




#10
Methyl Iodide
Concen: 3.620 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

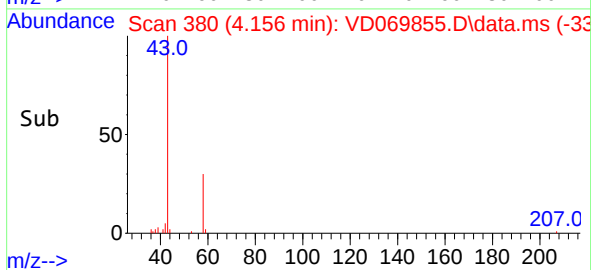
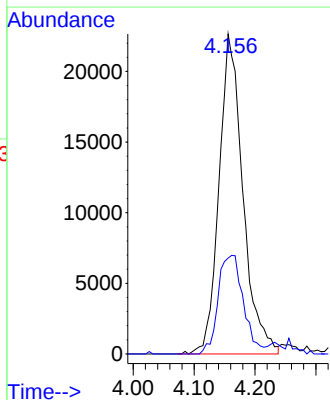
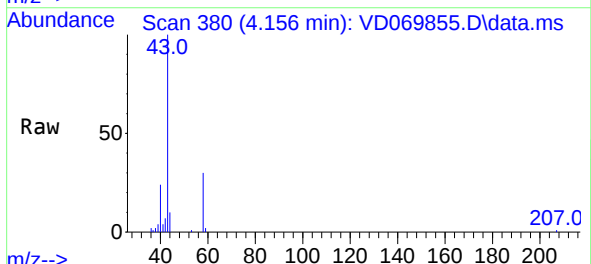
Instrument :
MSVOA_D
ClientSampleId :

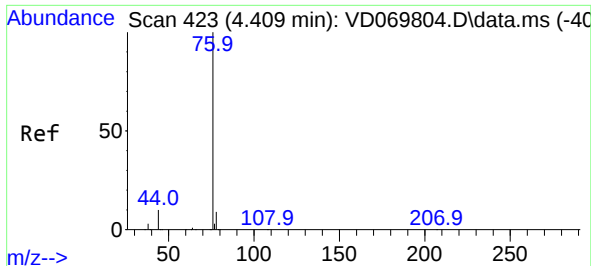
Tgt Ion:142 Resp: 1945
Ion Ratio Lower Upper
142 100
127 10.0 35.7 53.5#
141 2.8 12.0 18.0#



#16
Acetone
Concen: 32.056 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 43 Resp: 61680
Ion Ratio Lower Upper
43 100
58 29.9 29.4 44.0

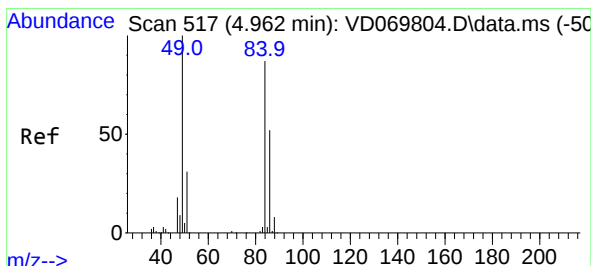
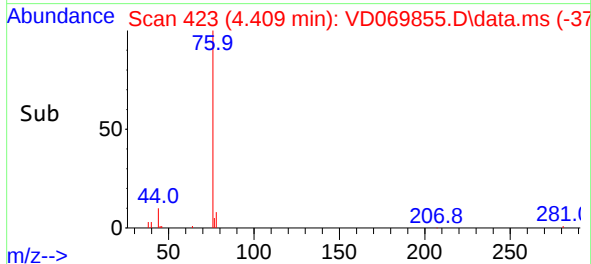
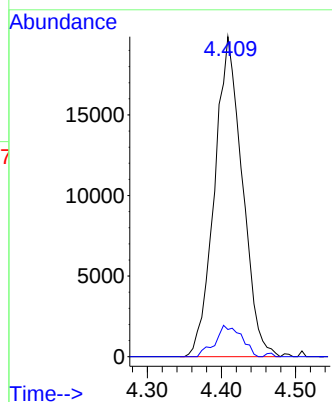
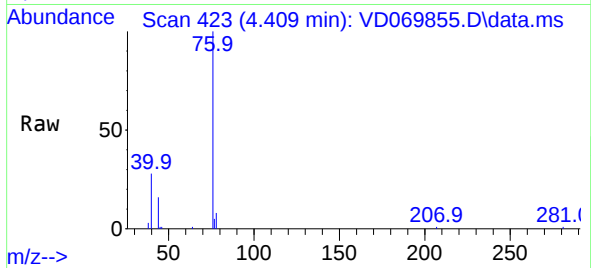




#17
Carbon Disulfide
Concen: 1.367 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

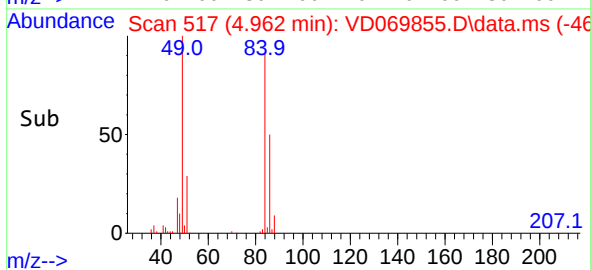
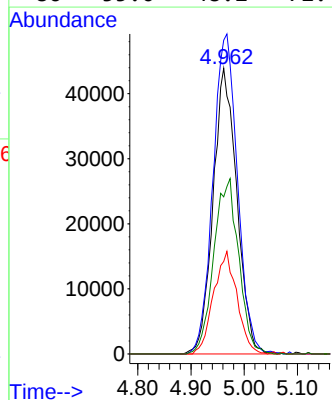
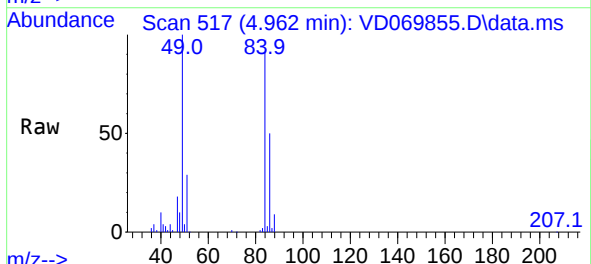
Instrument :
MSVOA_D
ClientSampled :

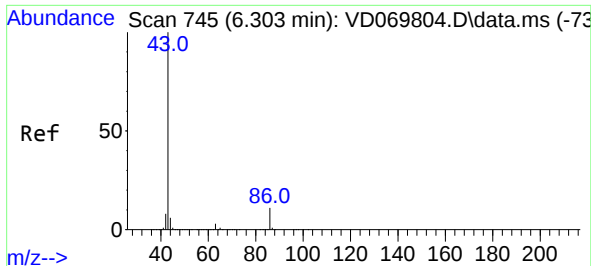
Tgt Ion: 76 Resp: 51798
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#20
Methylene Chloride
Concen: 3.922 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 84 Resp: 135807
Ion Ratio Lower Upper
84 100
49 109.9 92.4 138.6
51 32.4 28.5 42.7
86 55.0 48.2 72.4

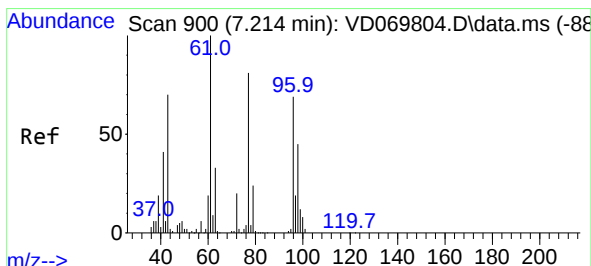
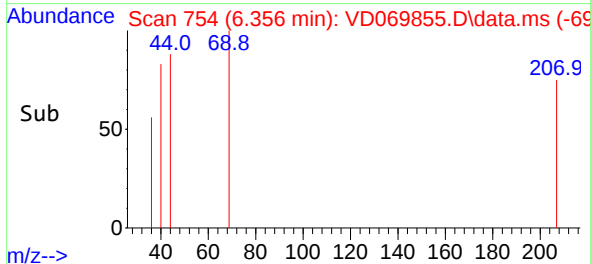
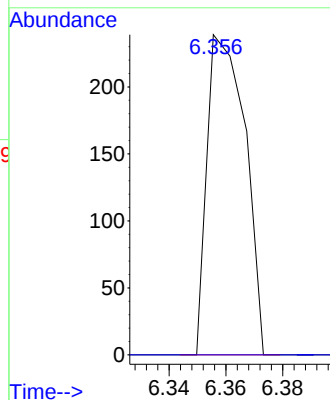
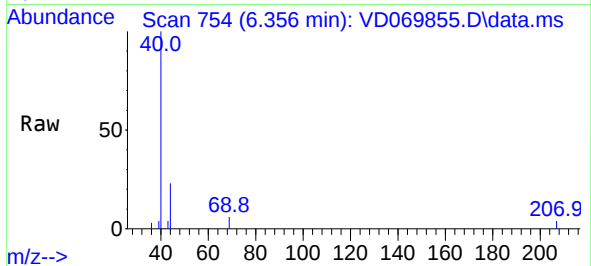




#23
 Vinyl Acetate
 Concen: 20.360 ug/l
 RT: 6.356 min Scan# 754
 Delta R.T. 0.053 min
 Lab File: VD069855.D
 Acq: 26 Jul 2021 18:45

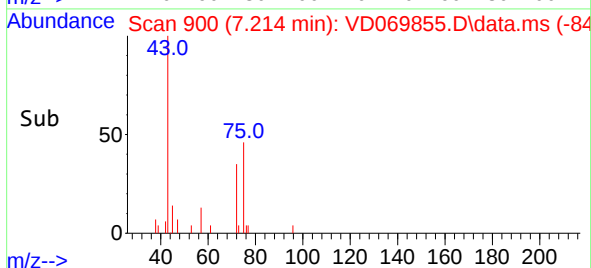
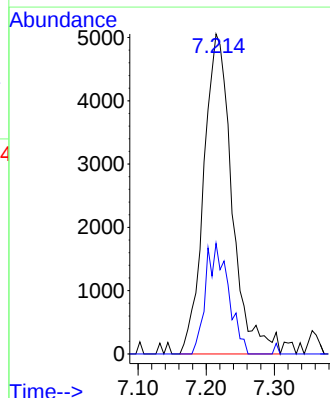
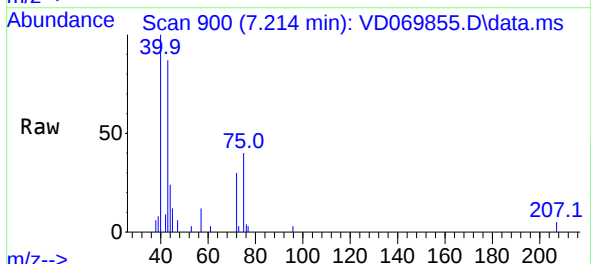
Instrument :
 MSVOA_D
 ClientSampled :

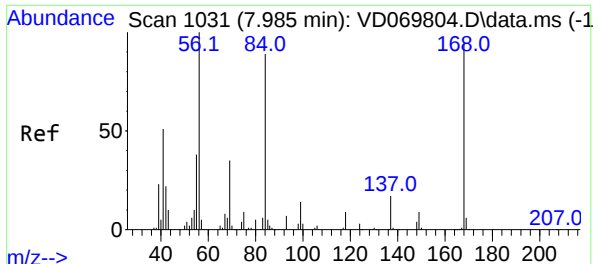
Tgt Ion: 43 Resp: 222
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 5.591 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069855.D
 Acq: 26 Jul 2021 18:45

Tgt Ion: 43 Resp: 14588
 Ion Ratio Lower Upper
 43 100
 72 34.5 22.8 34.2#

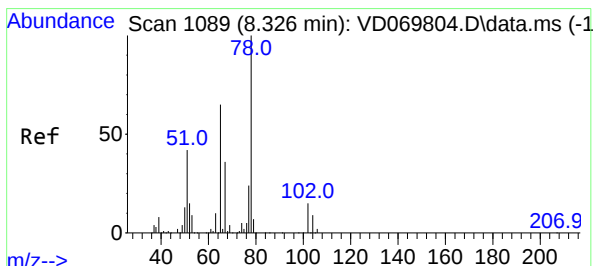
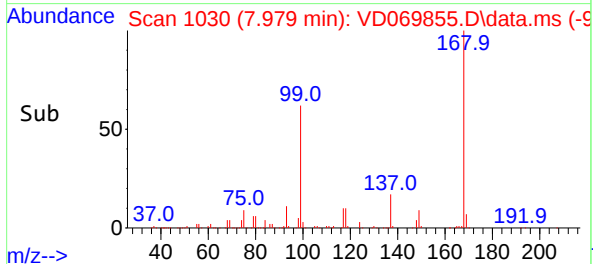
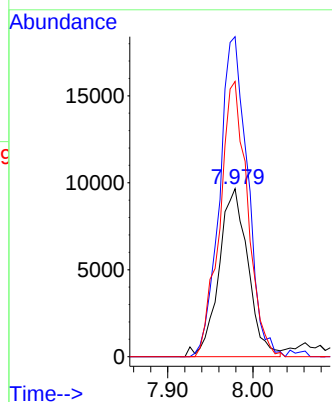
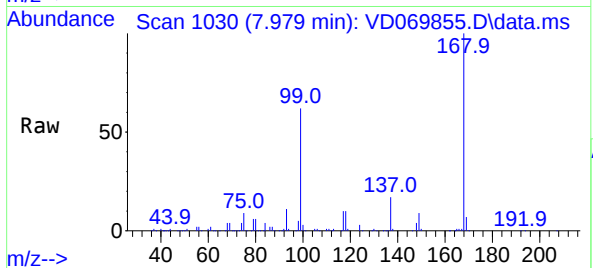




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

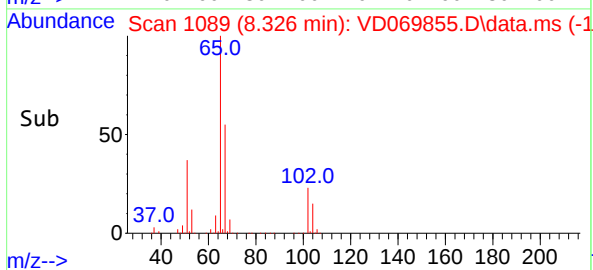
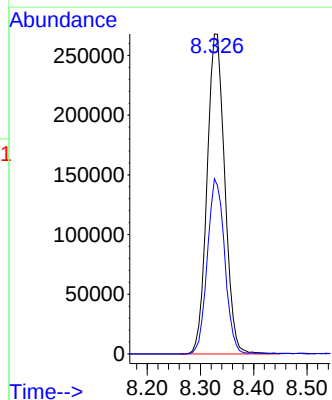
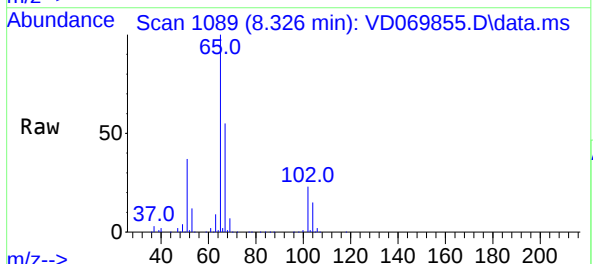
Instrument :
MSVOA_D
ClientSampleId :

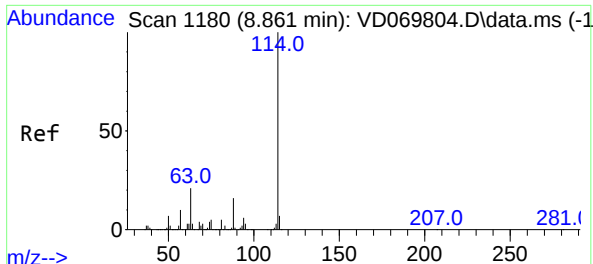
Tgt Ion: 56 Resp: 22896
Ion Ratio Lower Upper
56 100
69 190.5 27.9 41.9#
84 163.9 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 58.092 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 65 Resp: 618766
Ion Ratio Lower Upper
65 100
67 53.8 0.0 111.2



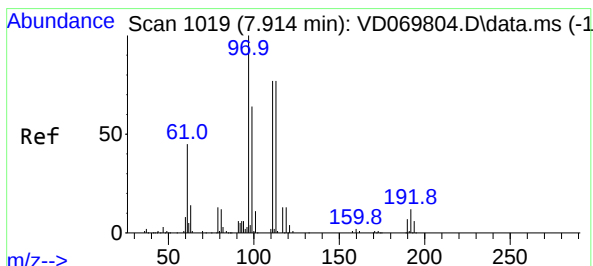
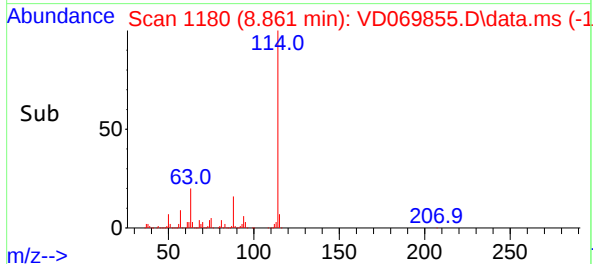
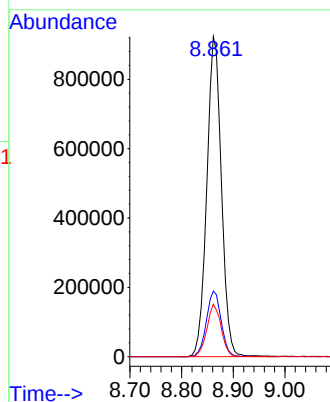
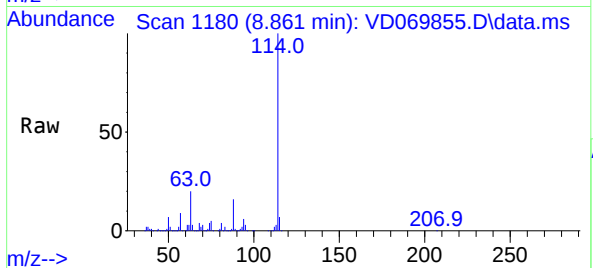


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

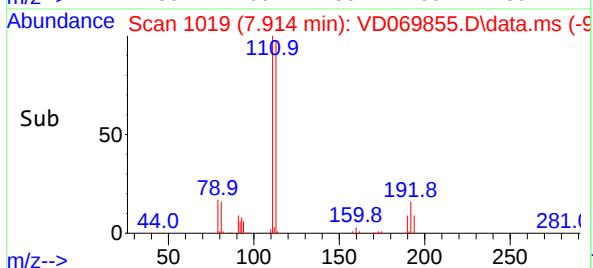
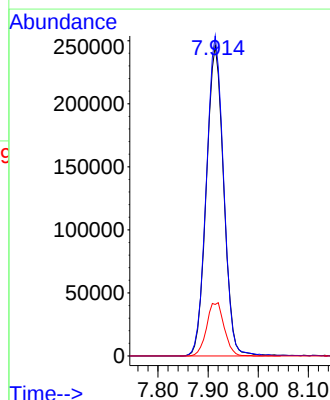
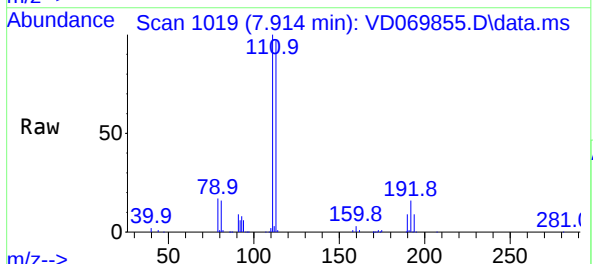
Tgt Ion:114 Resp: 1811558
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.6
88 16.4 0.0 31.4

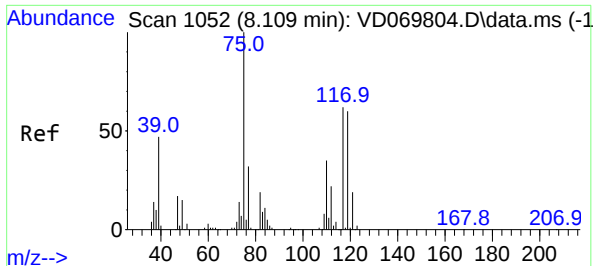


#35

Dibromofluoromethane
Concen: 51.722 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion:113 Resp: 590666
Ion Ratio Lower Upper
113 100
111 102.4 80.5 120.7
192 17.5 12.6 19.0

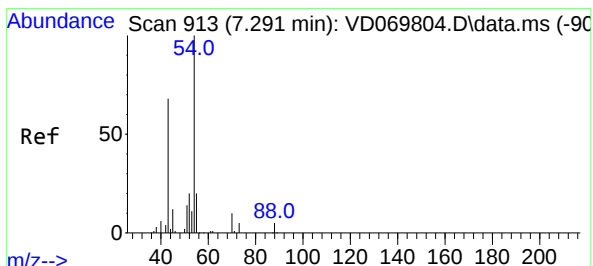
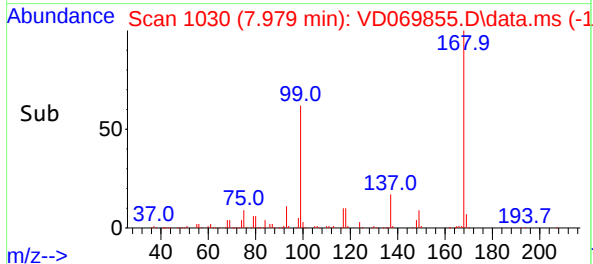
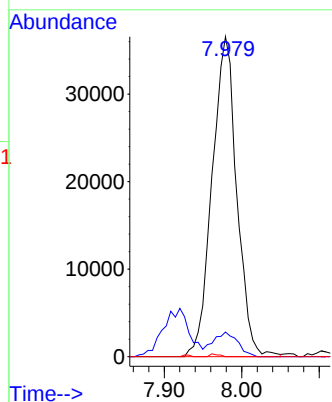
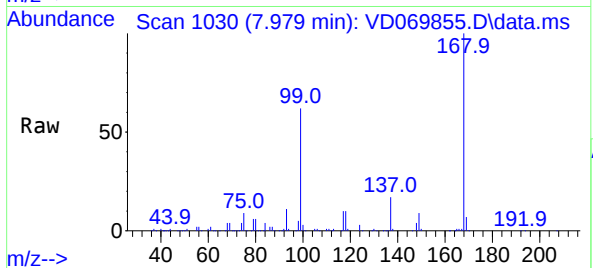




#36
1,1-Dichloropropene
Concen: 4.142 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

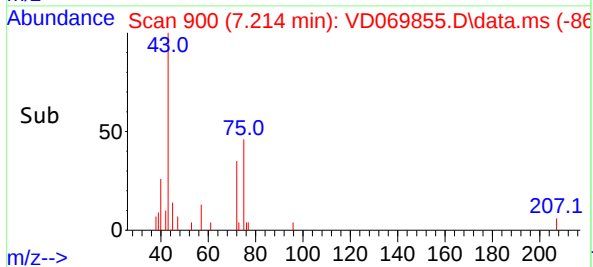
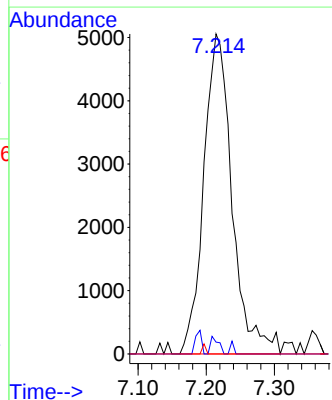
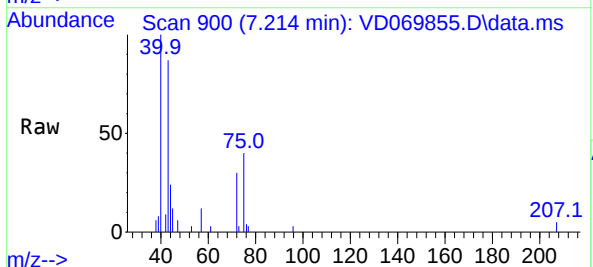
Instrument :
MSVOA_D
ClientSampleId :

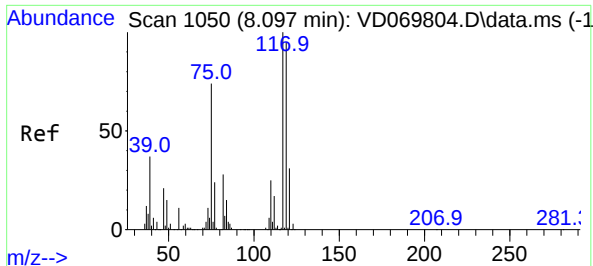
Tgt Ion: 75 Resp: 80973
Ion Ratio Lower Upper
75 100
110 7.7 16.9 50.7#
77 0.3 24.9 37.3#



#37
Ethyl Acetate
Concen: 2.050 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 43 Resp: 14588
Ion Ratio Lower Upper
43 100
61 1.6 11.8 17.8#
70 0.0 8.9 13.3#

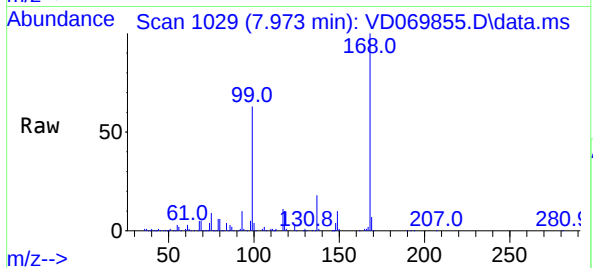




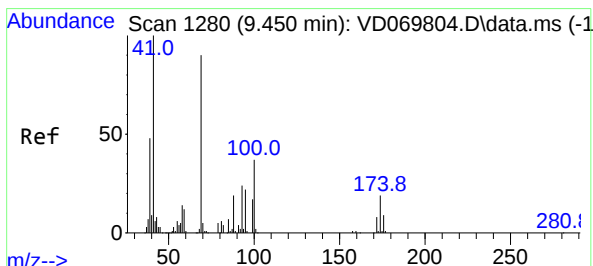
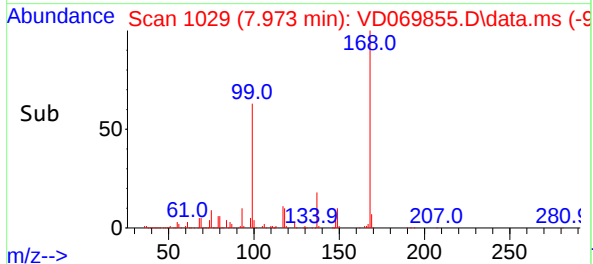
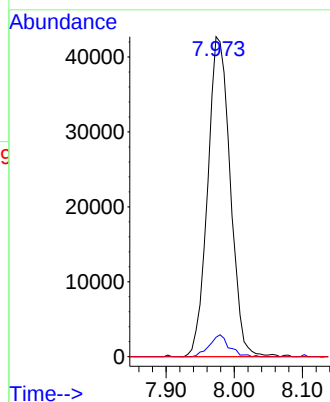
#38

Carbon Tetrachloride
Concen: 5.508 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Instrument :
MSVOA_D
ClientSampled :



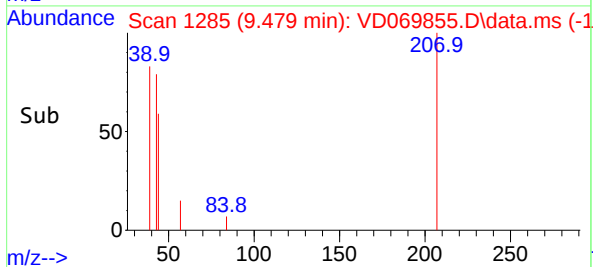
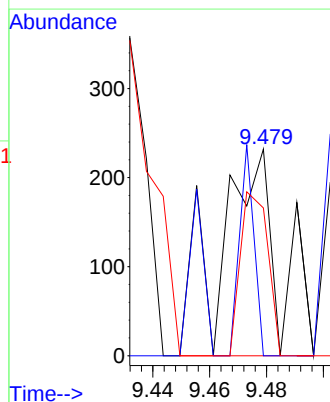
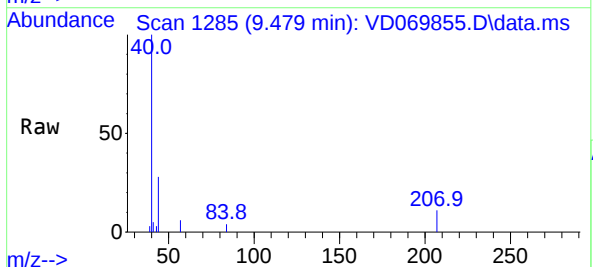
Tgt Ion:117 Resp: 98355
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.5 36.7#

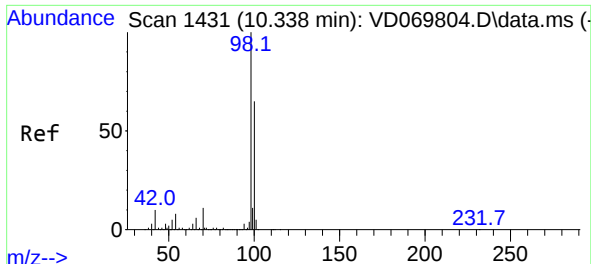


#48

Methyl methacrylate
Concen: 2.786 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.029 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 41 Resp: 280
Ion Ratio Lower Upper
41 100
69 30.0 73.4 110.2#
39 43.9 36.6 55.0

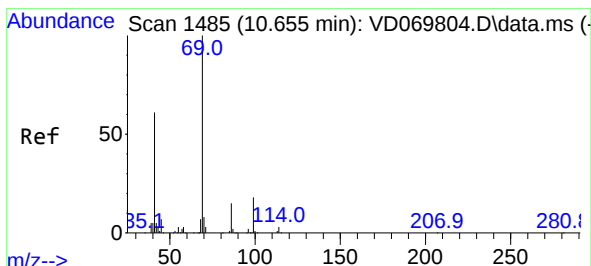
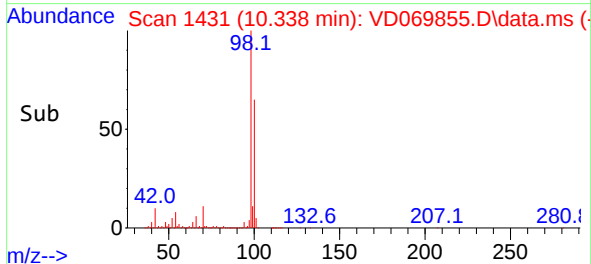
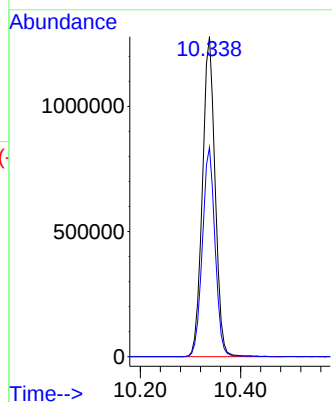
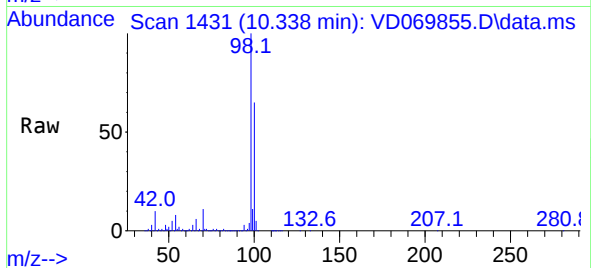




#50
Toluene-d8
Concen: 50.949 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

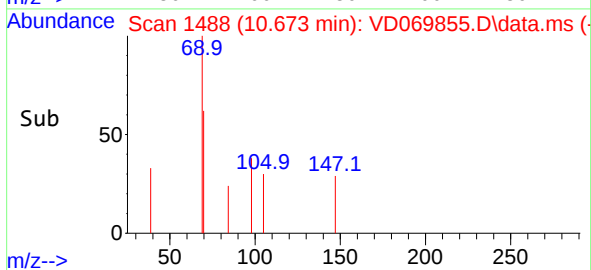
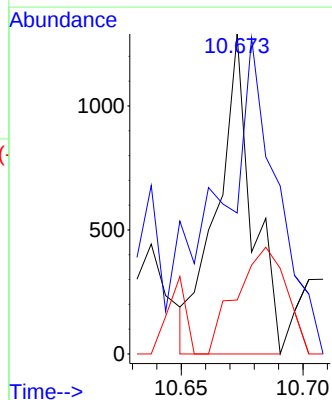
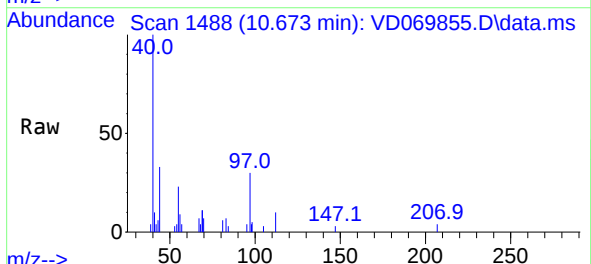
Instrument :
MSVOA_D
ClientSampleId :

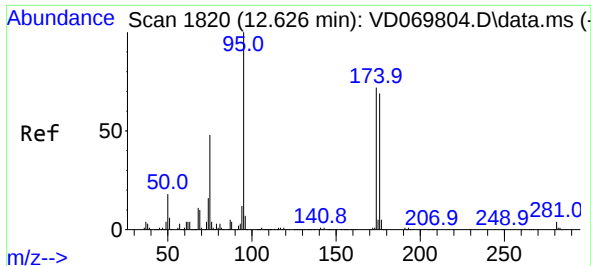
Tgt Ion: 98 Resp: 2243536
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.989 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 69 Resp: 1283
Ion Ratio Lower Upper
69 100
41 166.3 50.2 75.2#
39 47.8 22.0 33.0#



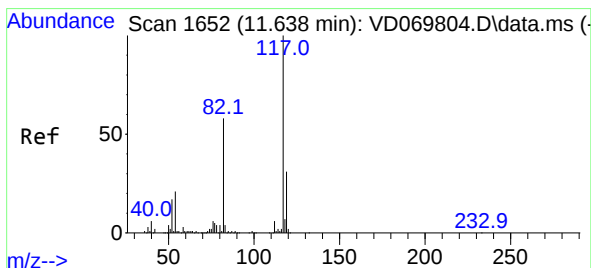
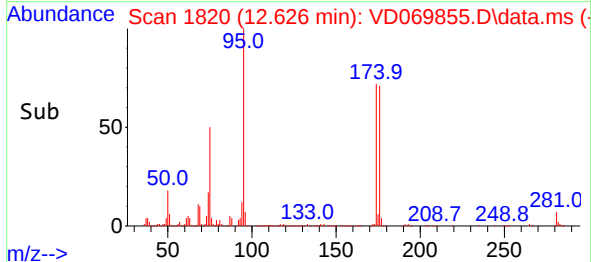
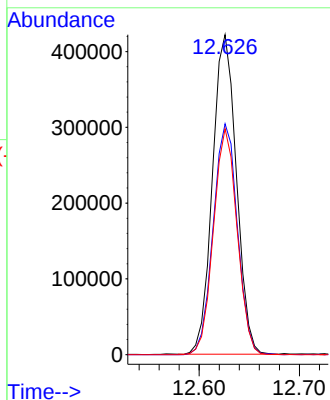
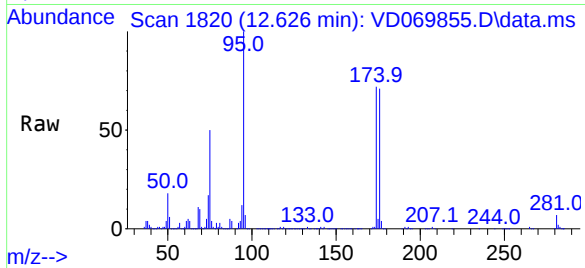


#62
4-Bromofluorobenzene
Concen: 47.463 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 698498

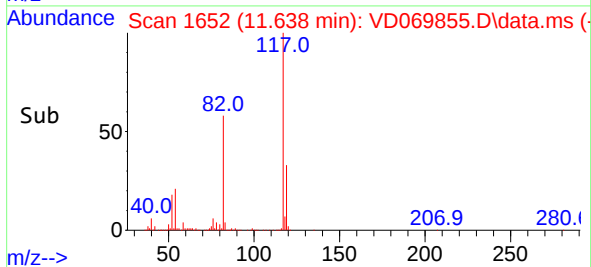
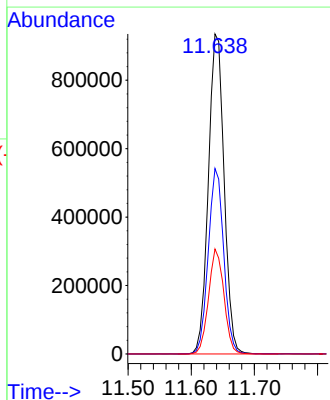
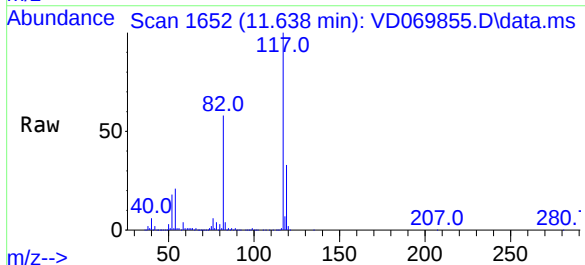
Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	142.6
176	69.7	0.0	134.2

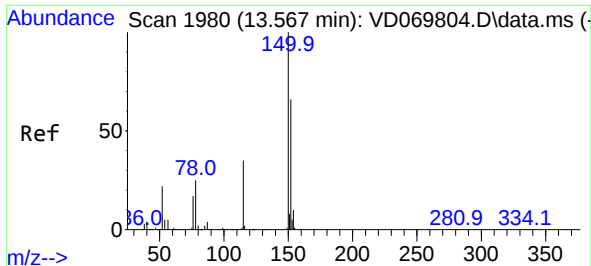


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 117 Resp: 1620085

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.8	24.7	37.1

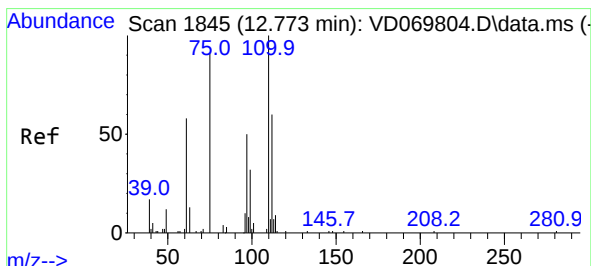
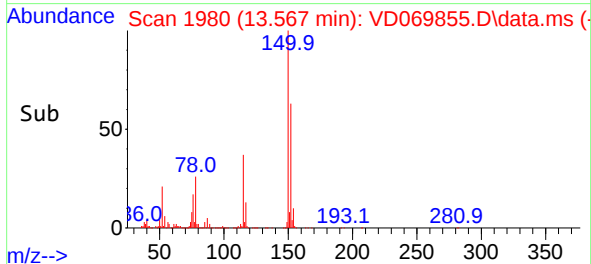
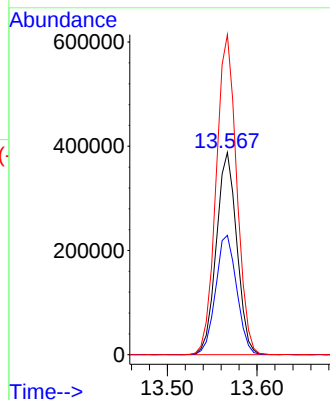
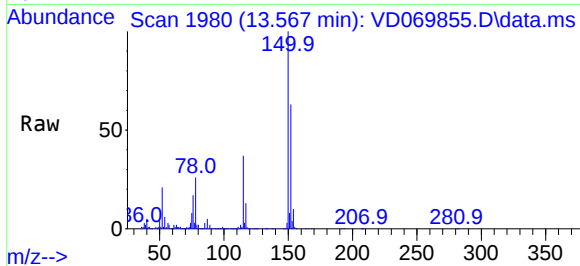




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

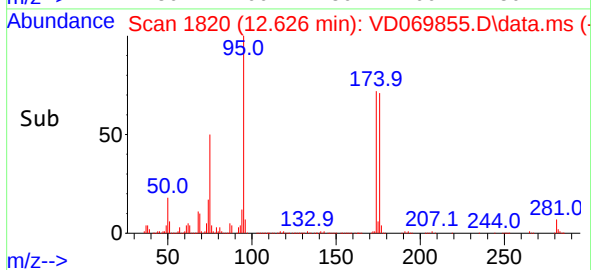
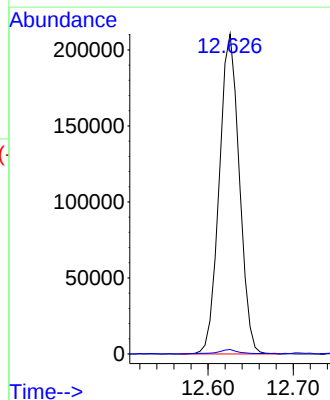
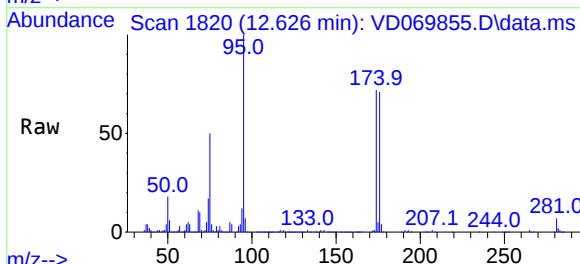
Instrument :
MSVOA_D
ClientSampleId :

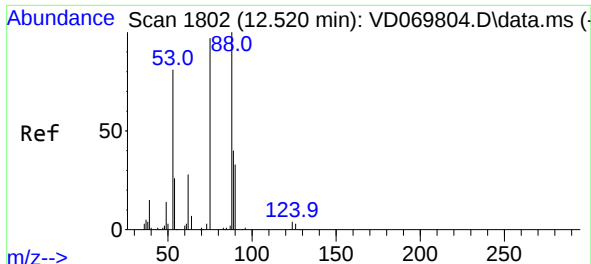
Tgt Ion:152 Resp: 615777
Ion Ratio Lower Upper
152 100
115 61.0 31.1 93.3
150 158.4 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 52.598 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Tgt Ion: 75 Resp: 344266
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#

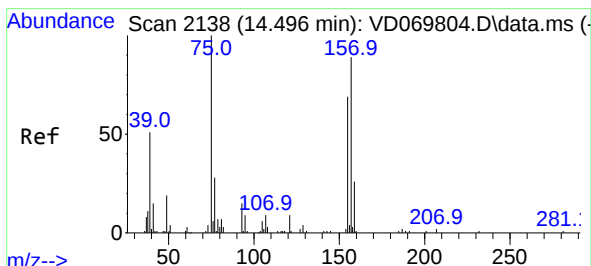
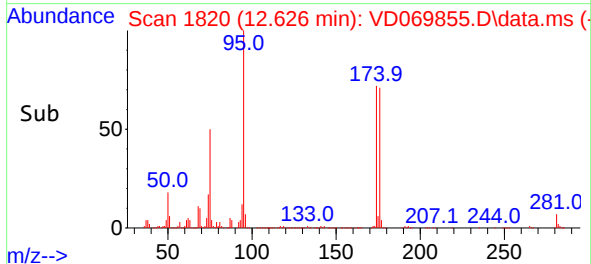
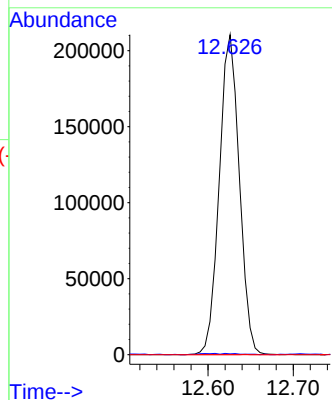
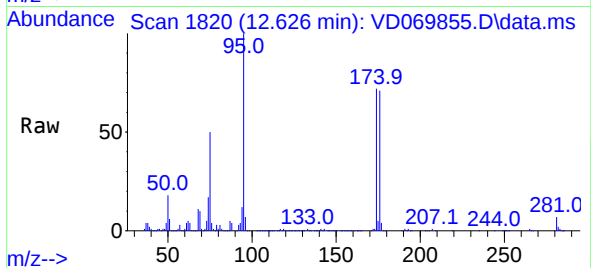




#81
trans-1,4-Dichloro-2-butene
Concen: 159.568 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

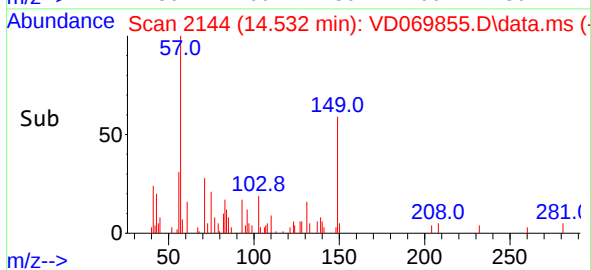
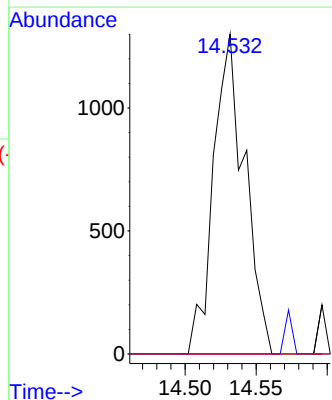
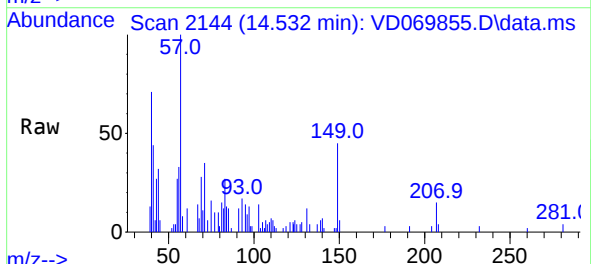
Instrument :
MSVOA_D
ClientSampled :

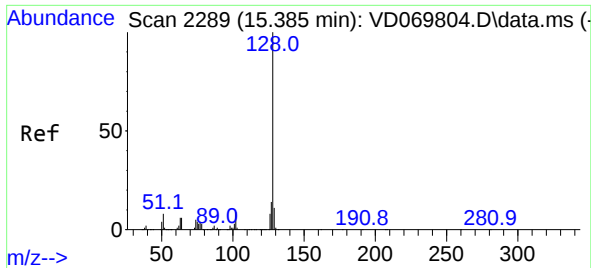
Tgt Ion: 75 Resp: 344266
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.562 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

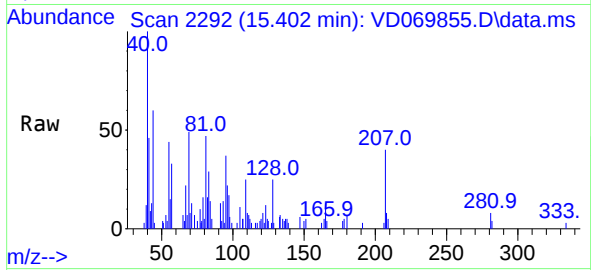
Tgt Ion: 75 Resp: 1988
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.135 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.017 min
Lab File: VD069855.D
Acq: 26 Jul 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	3058
Ion	Ratio	Lower	Upper
128	100		
127	23.1	10.6	16.0#
129	5.4	8.6	12.8#

