

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069688.D
 Acq On : 14 Jul 2021 15:17
 Operator : VA/SY
 Sample : M3001-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 16:30:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

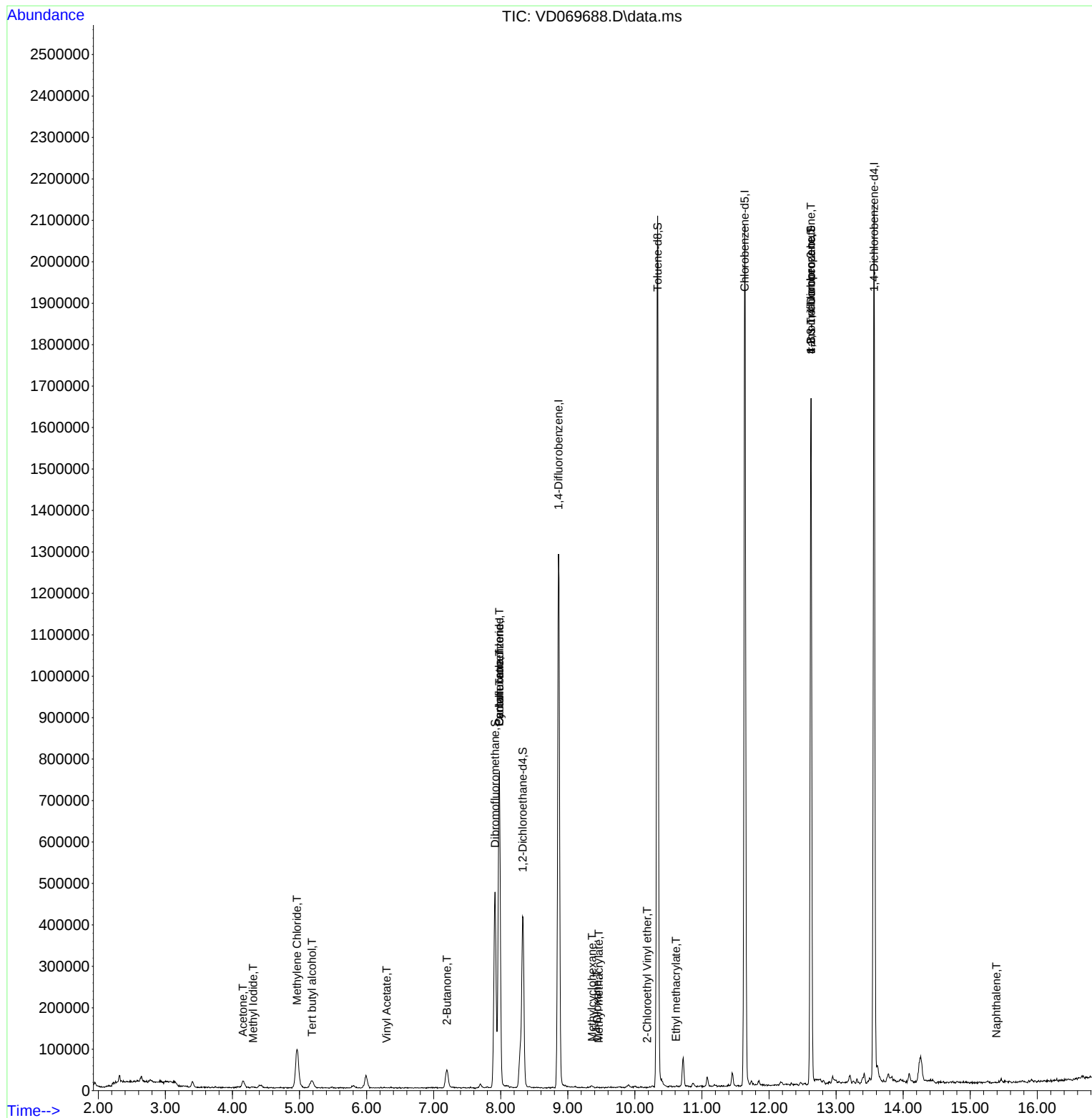
Internal Standards						
1) Pentafluorobenzene	7.979	168	537592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1094672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1192931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	539018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	325031	48.422	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.840%		
35) Dibromofluoromethane	7.914	113	347777	47.356	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.720%		
50) Toluene-d8	10.338	98	1435357	50.308	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.626	95	567512	59.641	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.280%		
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	4716	Below Cal		99
10) Methyl Iodide	4.309	142	2590	2.837 ug/l #		85
11) Tert butyl alcohol	5.185	59	16816	18.750 ug/l #		79
16) Acetone	4.156	43	29754	32.236 ug/l		94
18) Methyl Acetate	4.709	43	83	Below Cal #		49
20) Methylene Chloride	4.962	84	76961	3.611 ug/l		97
23) Vinyl Acetate	6.297	43	190	15.442 ug/l #		72
25) 2-Butanone	7.197	43	4386	2.765 ug/l		93
31) Cyclohexane	7.979	56	14834	1.693 ug/l #		14
38) Carbon Tetrachloride	7.979	117	60119	5.813 ug/l #		16
39) Methylcyclohexane	9.361	83	2244	2.118 ug/l #		59
48) Methyl methacrylate	9.461	41	354	1.188 ug/l #		32
49) 1,4-Dioxane	9.438	88	68	102.472 ug/l #		1
56) Ethyl methacrylate	10.614	69	397	1.716 ug/l #		39
58) 2-Chloroethyl Vinyl ether	10.185	63	65	9.379 ug/l #		49
76) 1,2,3-Trichloropropane	12.626	75	280589	53.584 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	280589	144.005 ug/l #		14
95) Naphthalene	15.390	128	2281	2.333 ug/l #		95

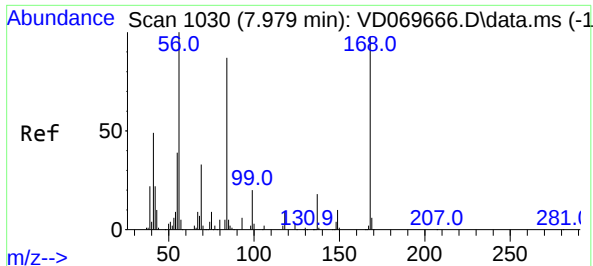
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
Data File : VD069688.D
Acq On : 14 Jul 2021 15:17
Operator : VA/SY
Sample : M3001-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 14 16:30:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

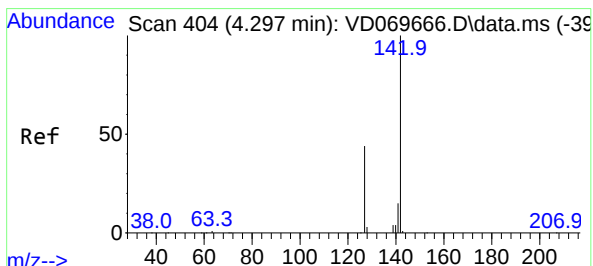
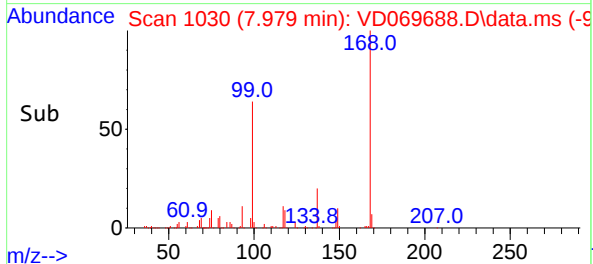
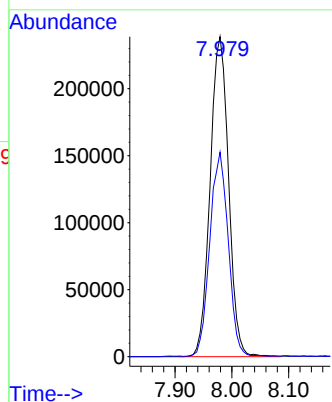
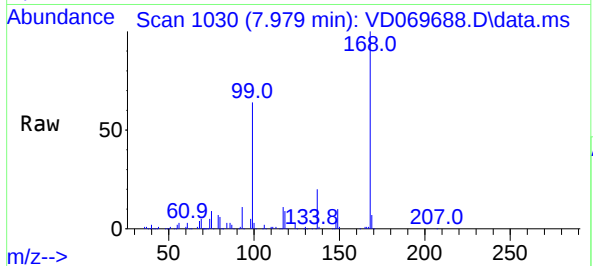




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

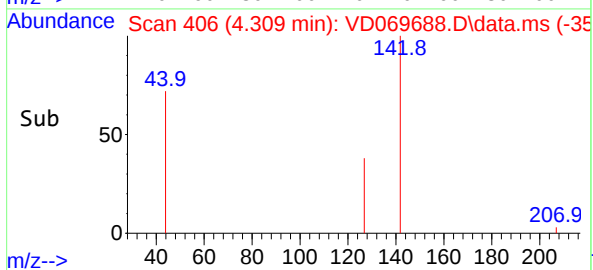
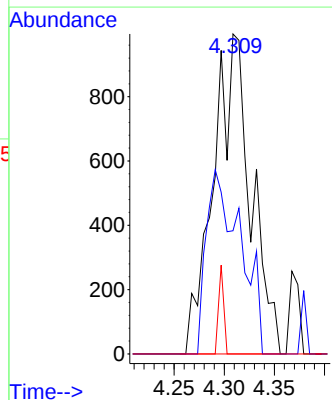
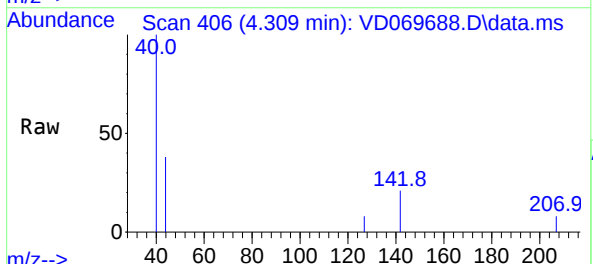
Instrument :
MSVOA_D
ClientSampleId :

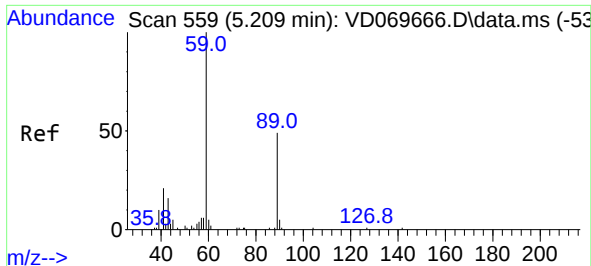
Tgt Ion:168 Resp: 537592
Ion Ratio Lower Upper
168 100
99 63.7 51.8 77.6



#10
Methyl Iodide
Concen: 2.837 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

Tgt Ion:142 Resp: 2590
Ion Ratio Lower Upper
142 100
127 52.4 36.1 54.1
141 3.7 11.6 17.4#

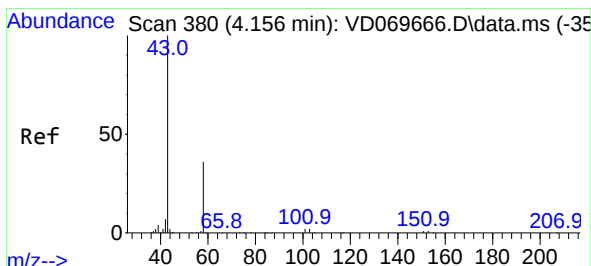
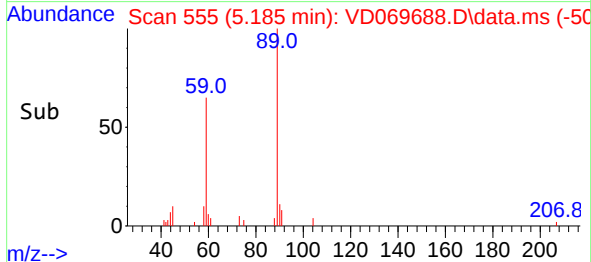
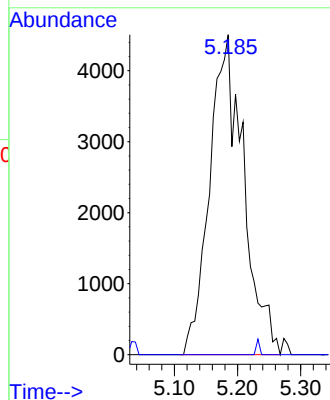
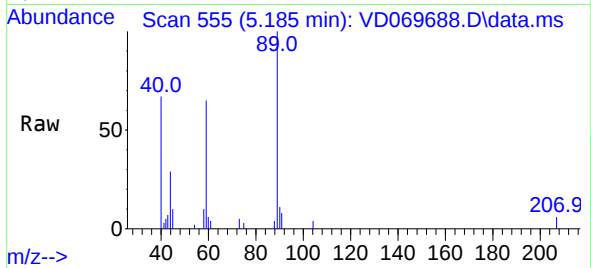




#11
Tert butyl alcohol
Concen: 18.750 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

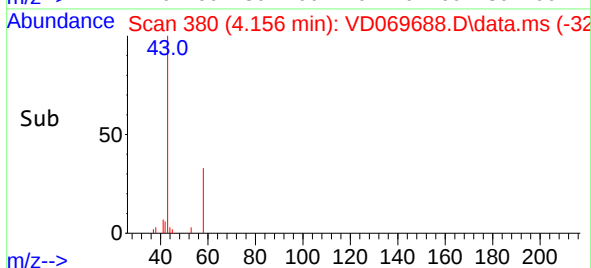
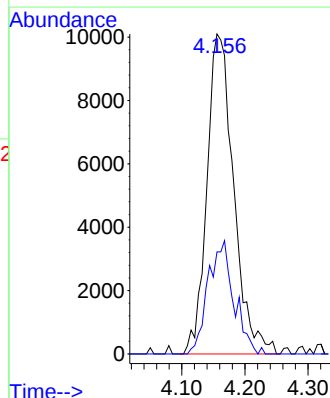
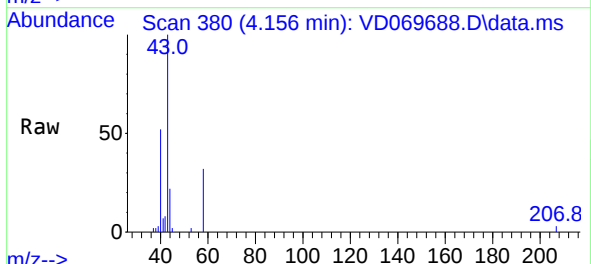
Instrument :
MSVOA_D
ClientSampled :

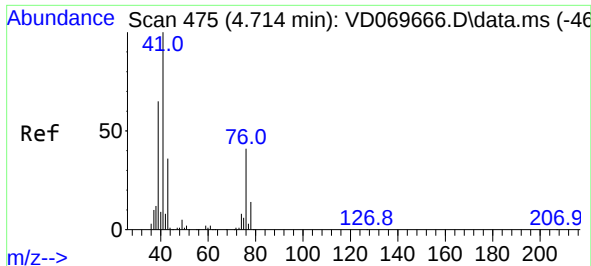
Tgt Ion: 59 Resp: 16816
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



#16
Acetone
Concen: 32.236 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

Tgt Ion: 43 Resp: 29754
Ion Ratio Lower Upper
43 100
58 31.9 28.6 42.8

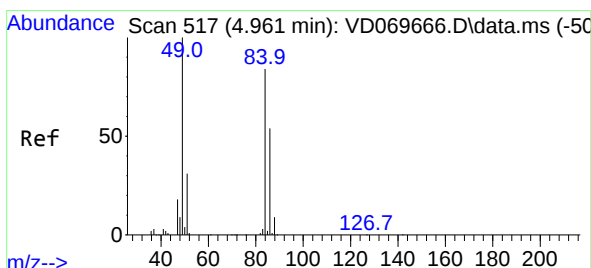
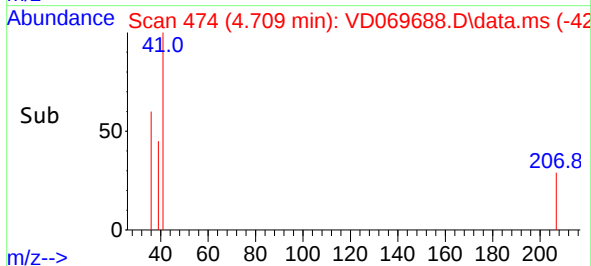
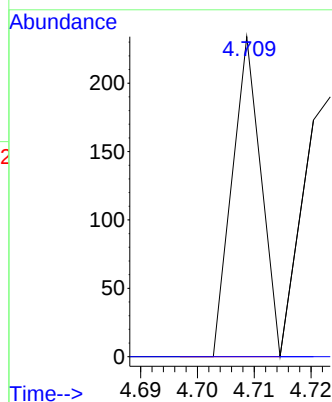
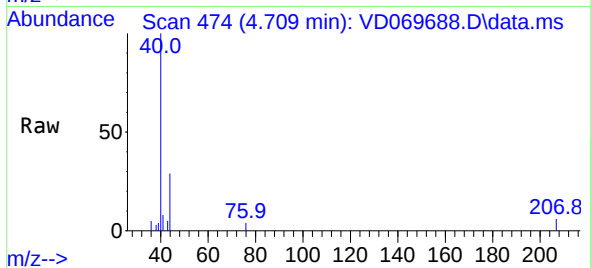




#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

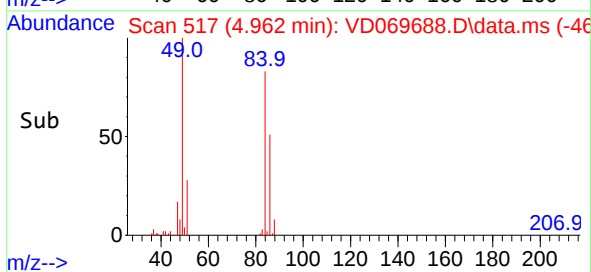
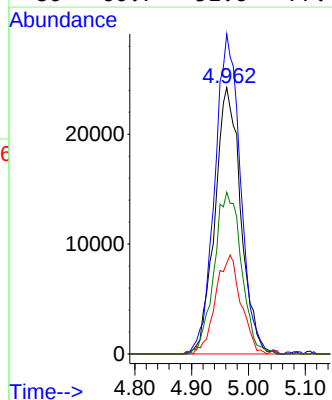
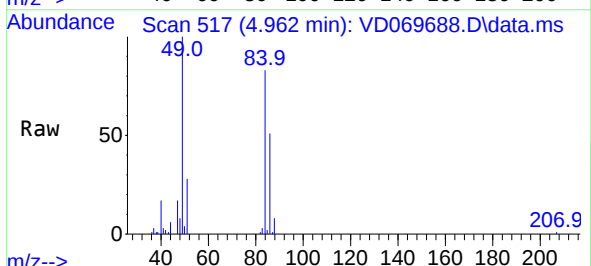
Instrument :
MSVOA_D
ClientSampled :

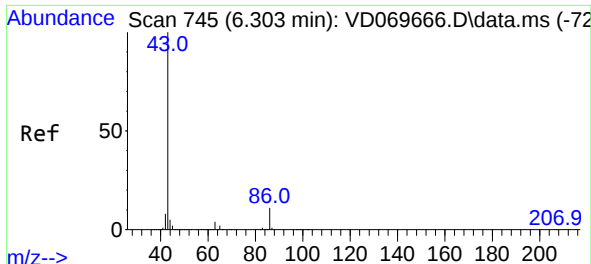
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 3.611 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

Tgt Ion: 84 Resp: 76961
Ion Ratio Lower Upper
84 100
49 120.1 95.5 143.3
51 34.2 29.7 44.5
86 60.7 51.6 77.4

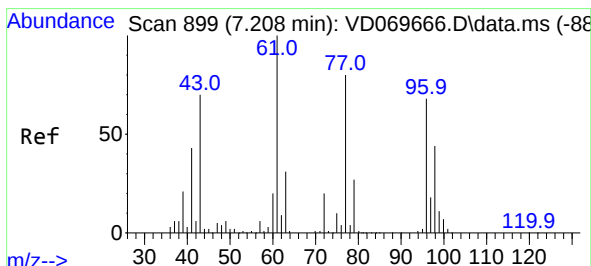
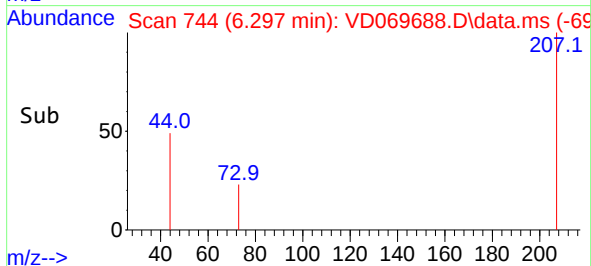
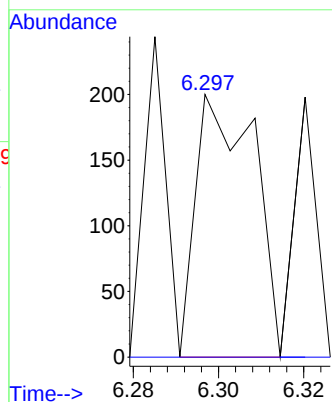
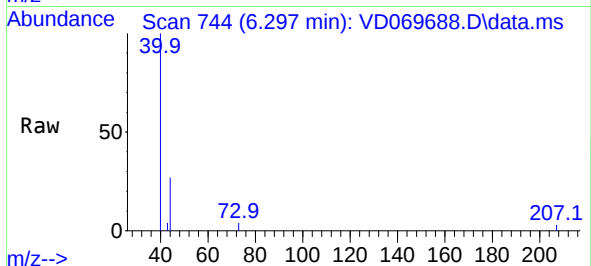




#23
 Vinyl Acetate
 Concen: 15.442 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD069688.D
 Acq: 14 Jul 2021 15:17

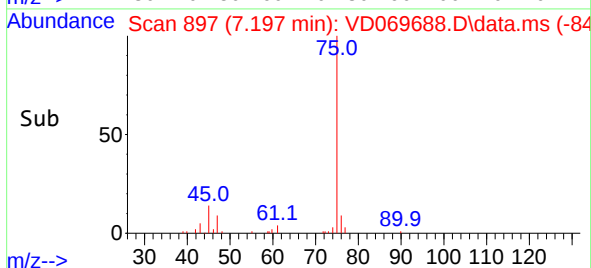
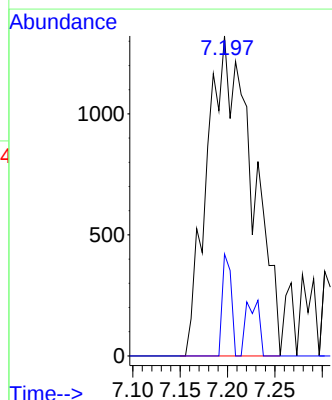
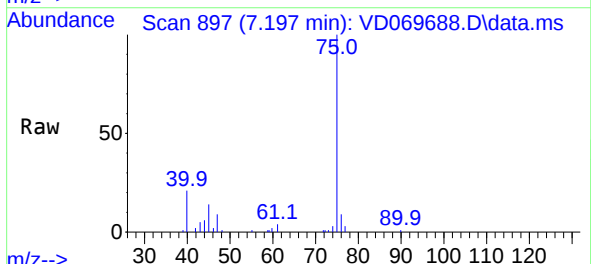
Instrument :
 MSVOA_D
 ClientSampled :

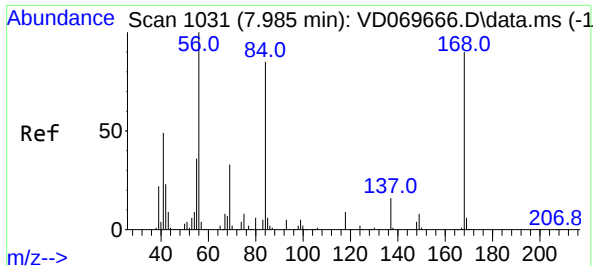
Tgt Ion: 43 Resp: 190
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 2.765 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.011 min
 Lab File: VD069688.D
 Acq: 14 Jul 2021 15:17

Tgt Ion: 43 Resp: 4386
 Ion Ratio Lower Upper
 43 100
 72 31.8 22.6 33.8





#31

Cyclohexane

Concen: 1.693 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

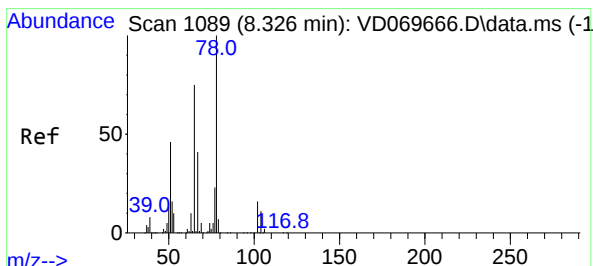
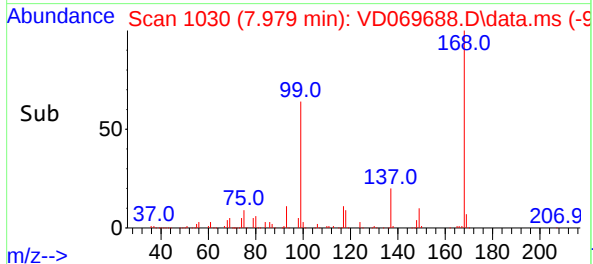
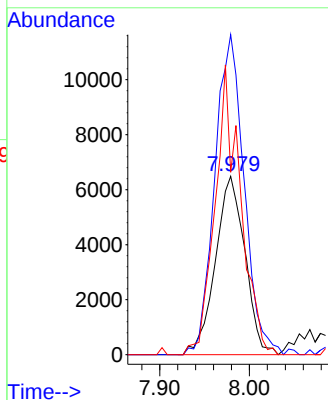
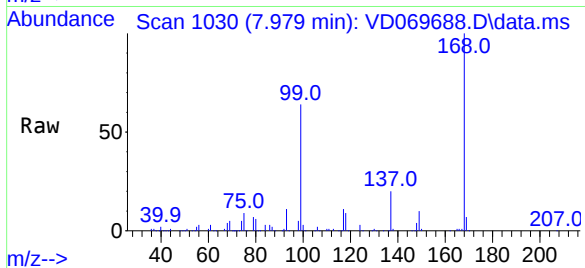
Lab File: VD069688.D

Acq: 14 Jul 2021 15:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 14834

Ion	Ratio	Lower	Upper
56	100		
69	179.4	26.6	39.8#
84	102.3	68.2	102.2#



#33

1,2-Dichloroethane-d4

Concen: 48.422 ug/l

RT: 8.326 min Scan# 1089

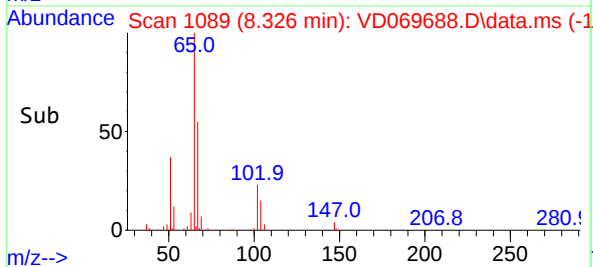
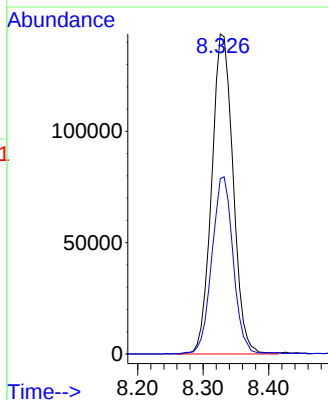
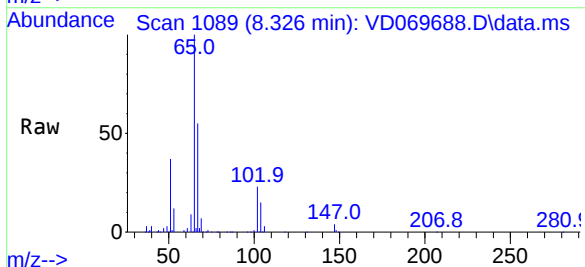
Delta R.T. 0.000 min

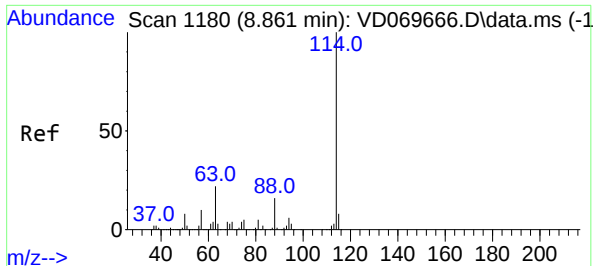
Lab File: VD069688.D

Acq: 14 Jul 2021 15:17

Tgt Ion: 65 Resp: 325031

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	107.2



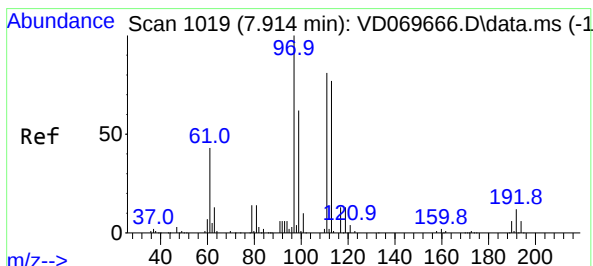
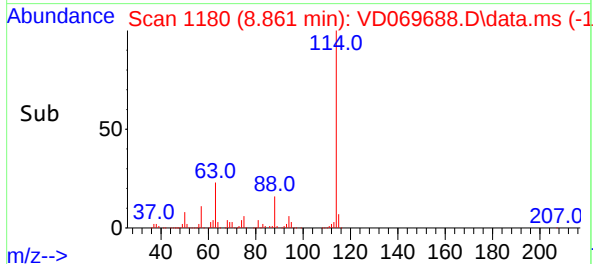
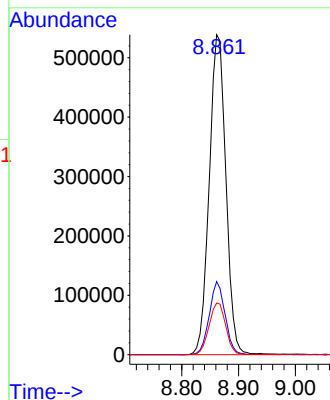
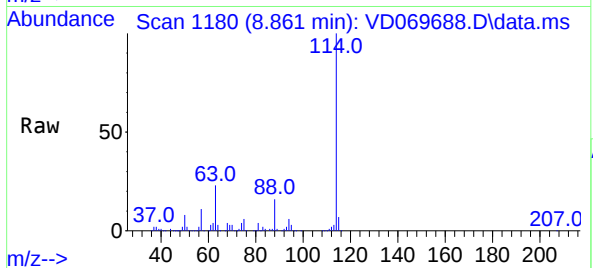


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

Instrument :
MSVOA_D
ClientSampled :

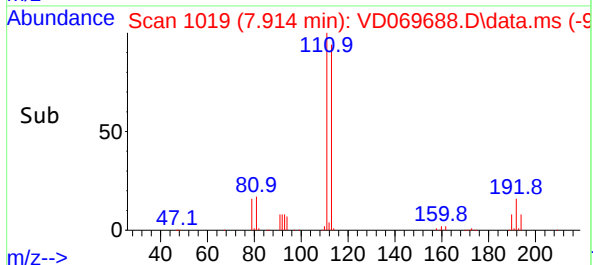
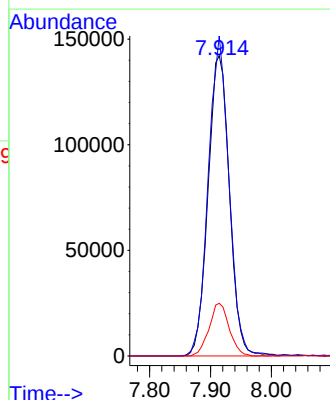
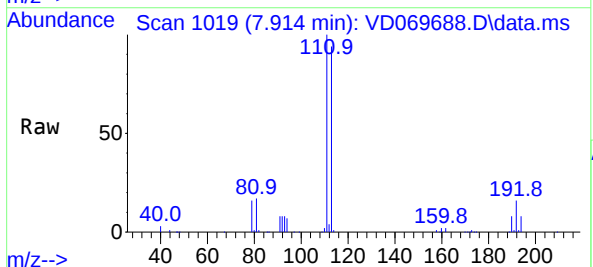
Tgt Ion:114 Resp: 1094672
Ion Ratio Lower Upper
114 100
63 22.9 0.0 43.4
88 16.2 0.0 32.0

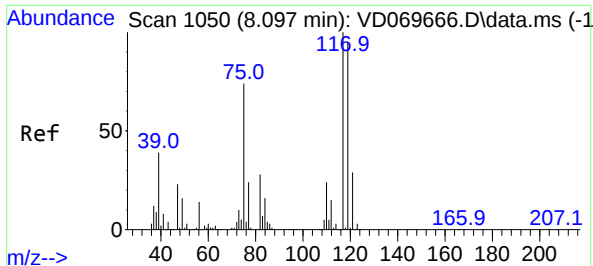


#35

Dibromofluoromethane
Concen: 47.356 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

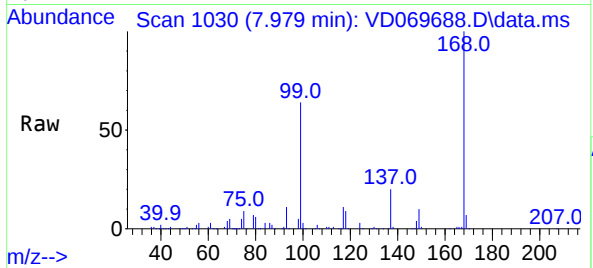
Tgt Ion:113 Resp: 347777
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 16.5 12.7 19.1



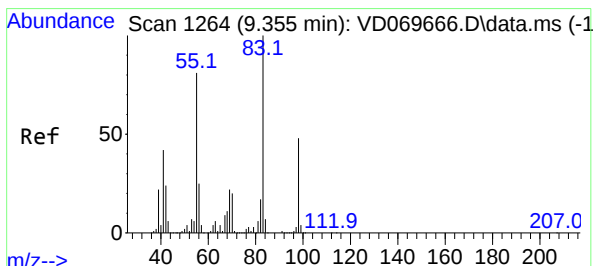
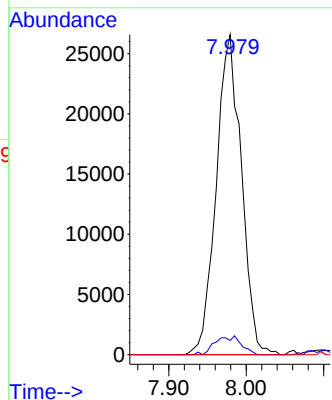
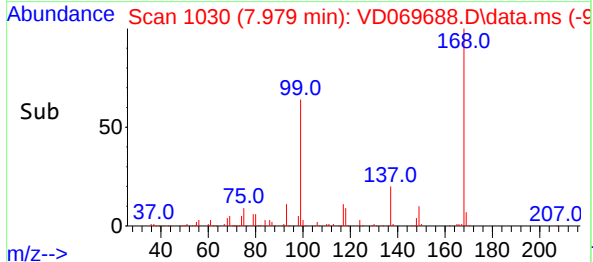


#38
Carbon Tetrachloride
Concen: 5.813 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

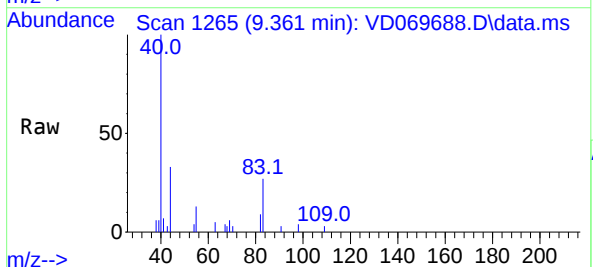
Instrument :
MSVOA_D
ClientSampled :



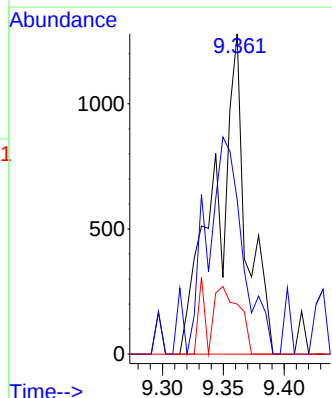
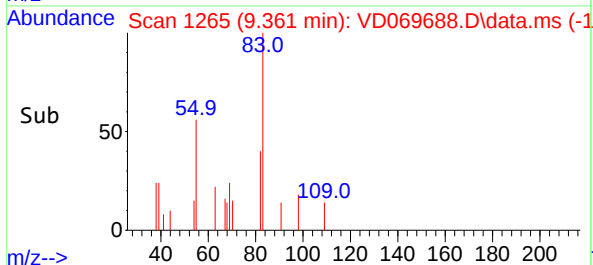
Tgt Ion:117 Resp: 60119
Ion Ratio Lower Upper
117 100
119 4.4 75.7 113.5#
121 0.0 23.0 34.6#

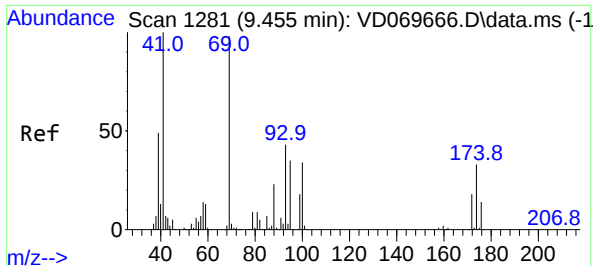


#39
Methylcyclohexane
Concen: 2.118 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17



Tgt Ion: 83 Resp: 2244
Ion Ratio Lower Upper
83 100
55 48.2 64.6 97.0#
98 15.6 38.4 57.6#

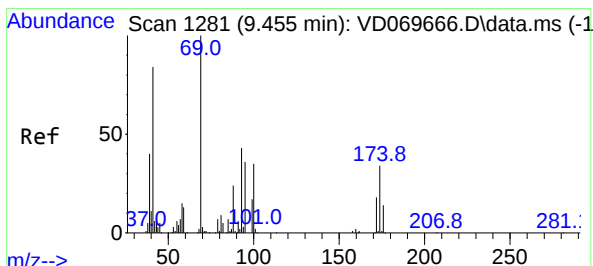
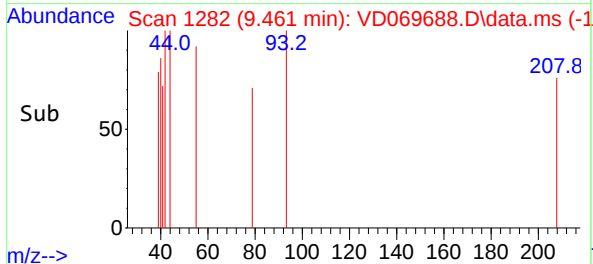
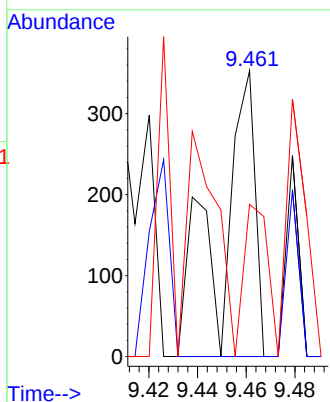
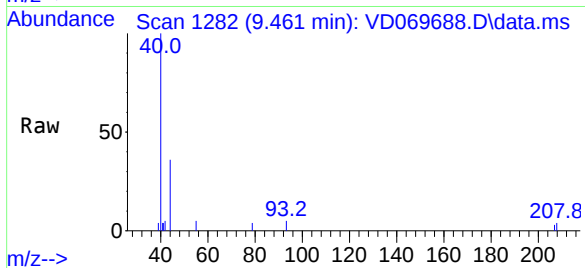




#48
Methyl methacrylate
Concen: 1.188 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

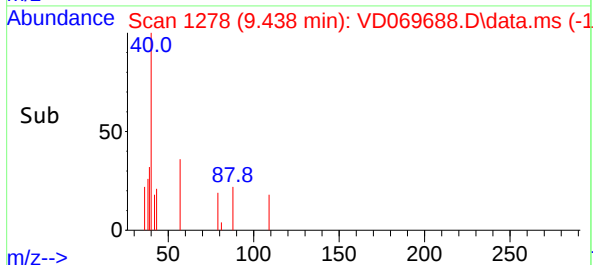
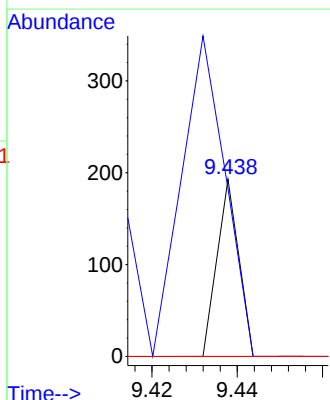
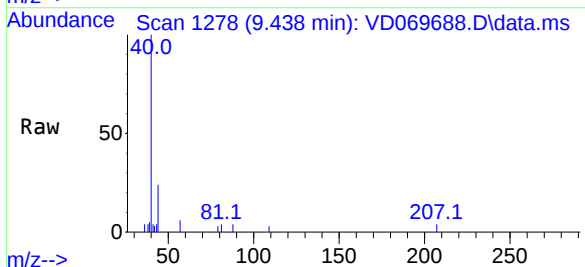
Instrument :
MSVOA_D
ClientSampled :

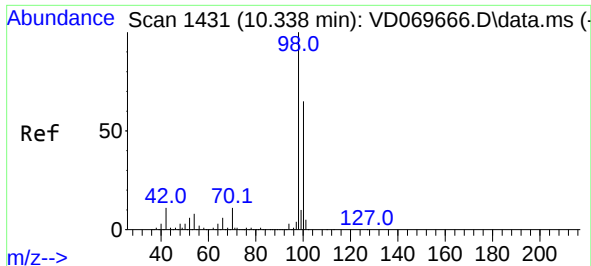
Tgt Ion: 41 Resp: 354
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 35.9 36.7 55.1#



#49
1,4-Dioxane
Concen: 102.472 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.017 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 444.1 25.3 37.9#
58 0.0 62.6 94.0#

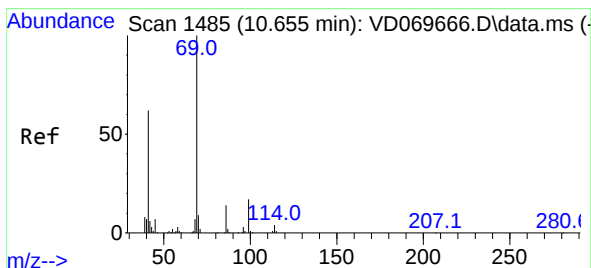
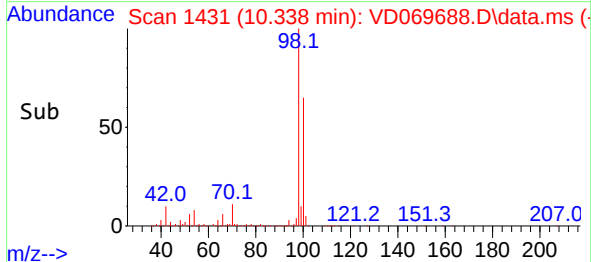
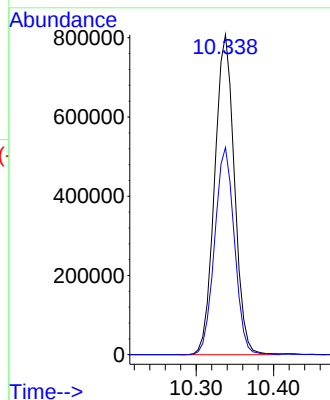
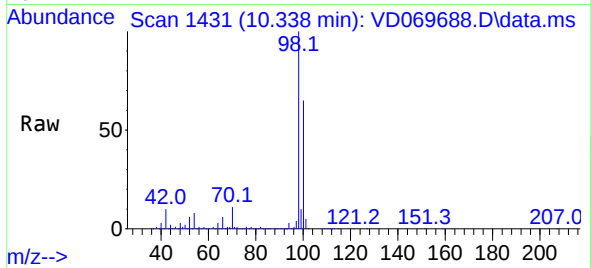




#50
Toluene-d8
Concen: 50.308 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

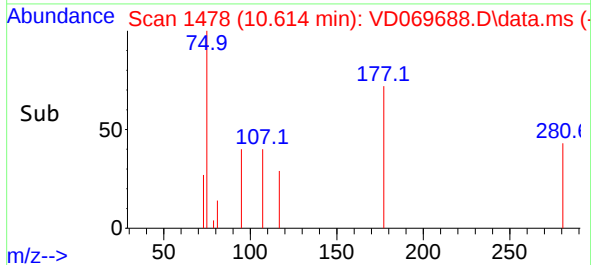
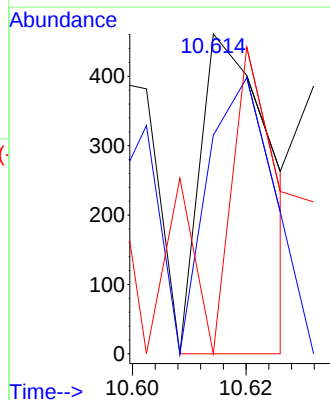
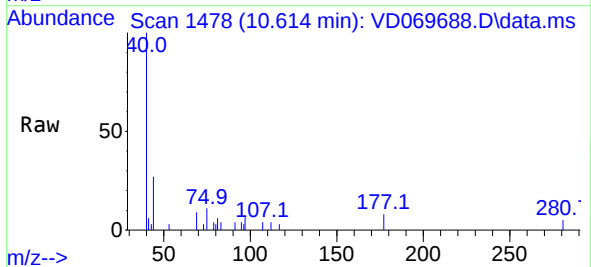
Instrument :
MSVOA_D
ClientSampleId :

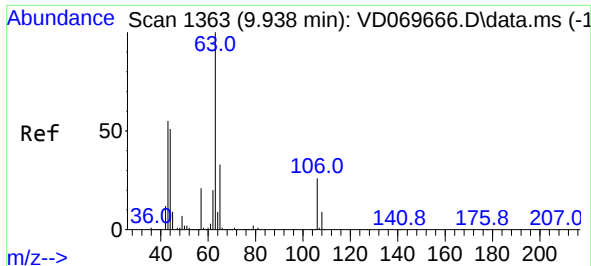
Tgt Ion: 98 Resp: 1435357
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.716 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. -0.041 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

Tgt Ion: 69 Resp: 397
Ion Ratio Lower Upper
69 100
41 81.6 49.5 74.3#
39 102.0 22.5 33.7#

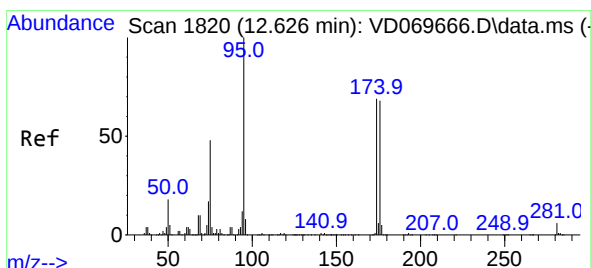
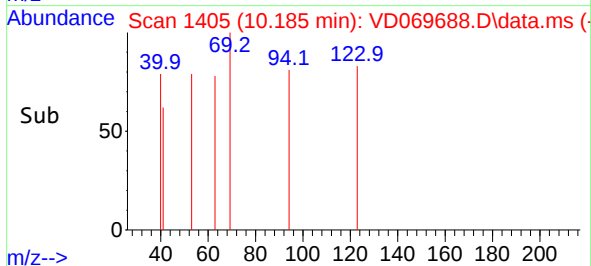
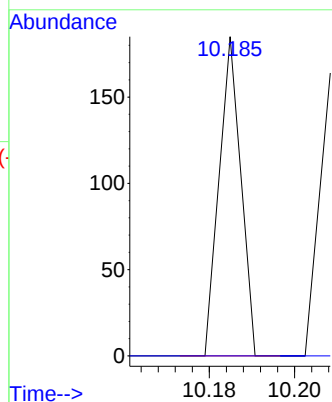
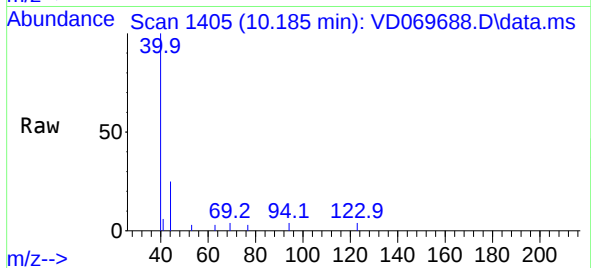




#58
2-Chloroethyl Vinyl ether
Concen: 9.379 ug/l
RT: 10.185 min Scan# 1405
Delta R.T. 0.247 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

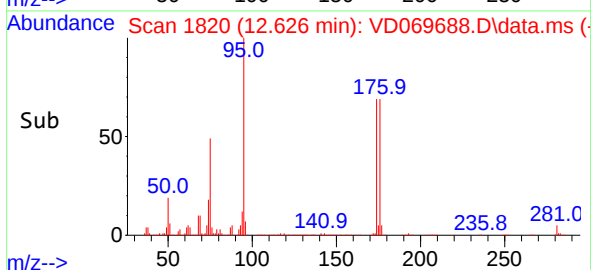
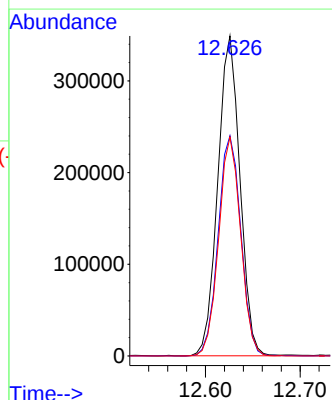
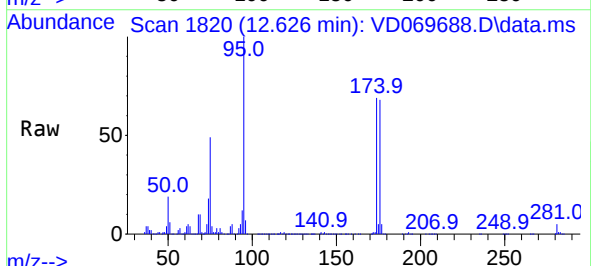
Instrument :
MSVOA_D
ClientSampled :

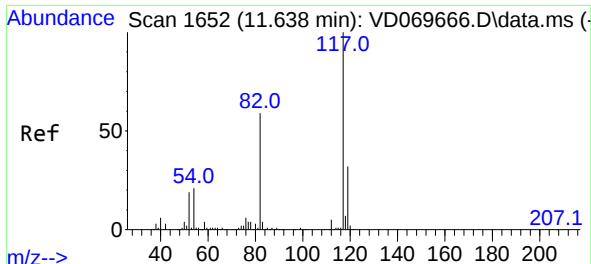
Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#62
4-Bromofluorobenzene
Concen: 59.641 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

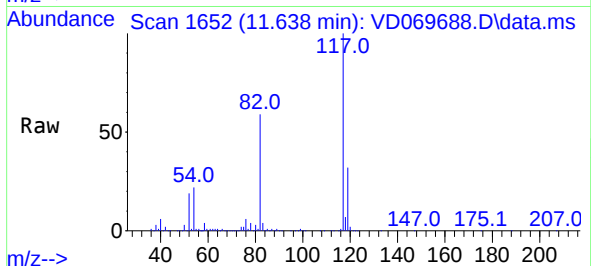
Tgt Ion: 95 Resp: 567512
Ion Ratio Lower Upper
95 100
174 70.6 0.0 140.0
176 67.8 0.0 136.2



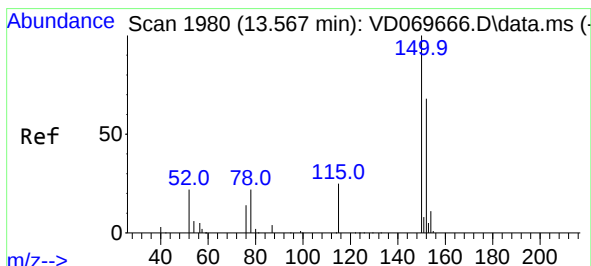
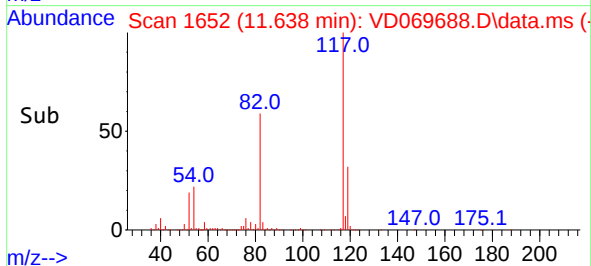
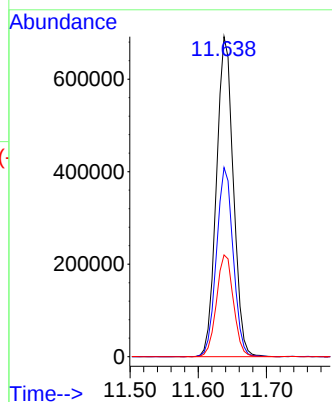


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

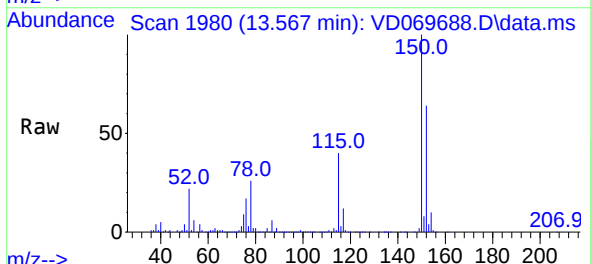
Instrument :
MSVOA_D
ClientSampleId :



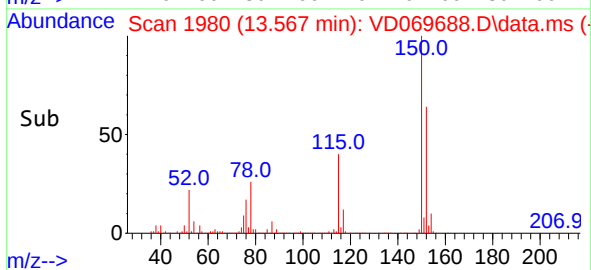
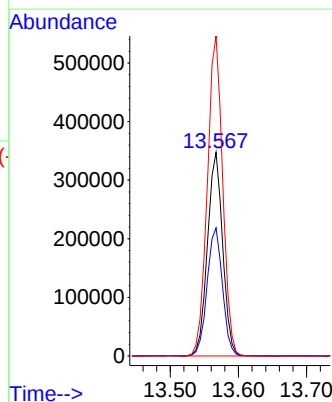
Tgt Ion:117 Resp: 1192931
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 31.8 25.5 38.3

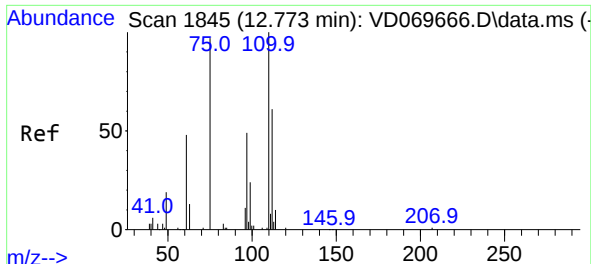


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17



Tgt Ion:152 Resp: 539018
Ion Ratio Lower Upper
152 100
115 63.5 31.7 95.1
150 158.8 0.0 350.4

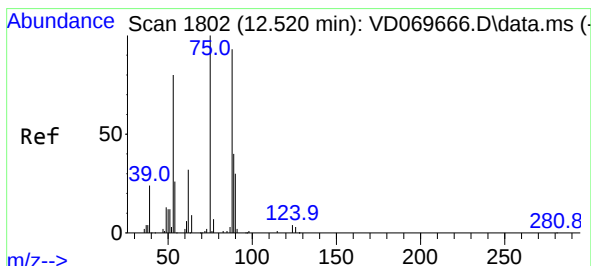
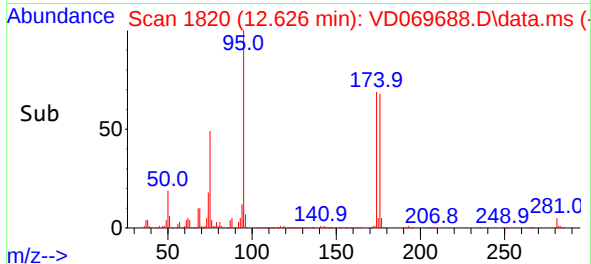
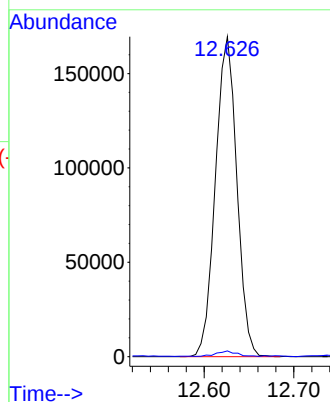
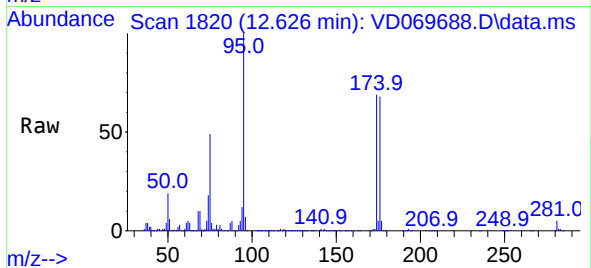




#76
1,2,3-Trichloropropane
Concen: 53.584 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

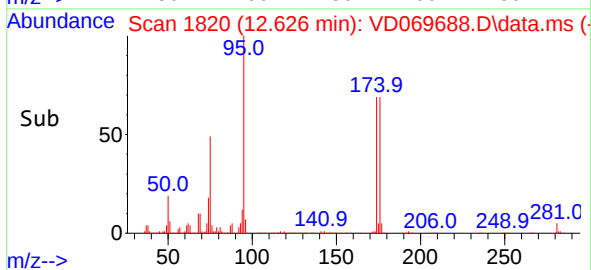
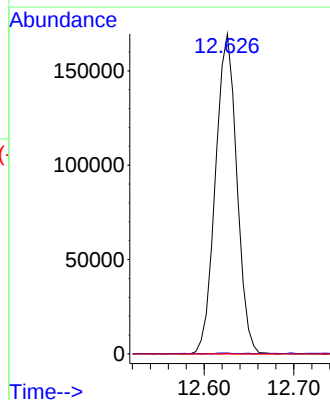
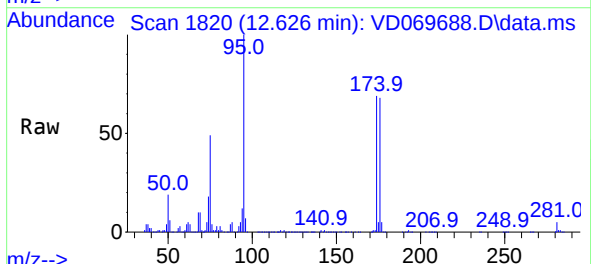
Instrument :
MSVOA_D
ClientSampled :

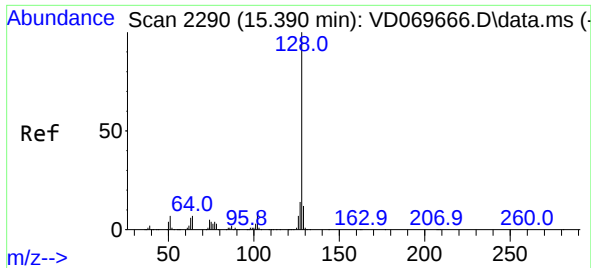
Tgt Ion: 75 Resp: 280589
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.005 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

Tgt Ion: 75 Resp: 280589
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.333 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069688.D
Acq: 14 Jul 2021 15:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 2281
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 14.6 8.8 13.2#

