

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069679.D
 Acq On : 13 Jul 2021 19:27
 Operator : VA/SY
 Sample : M2998-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 06:08:32 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)

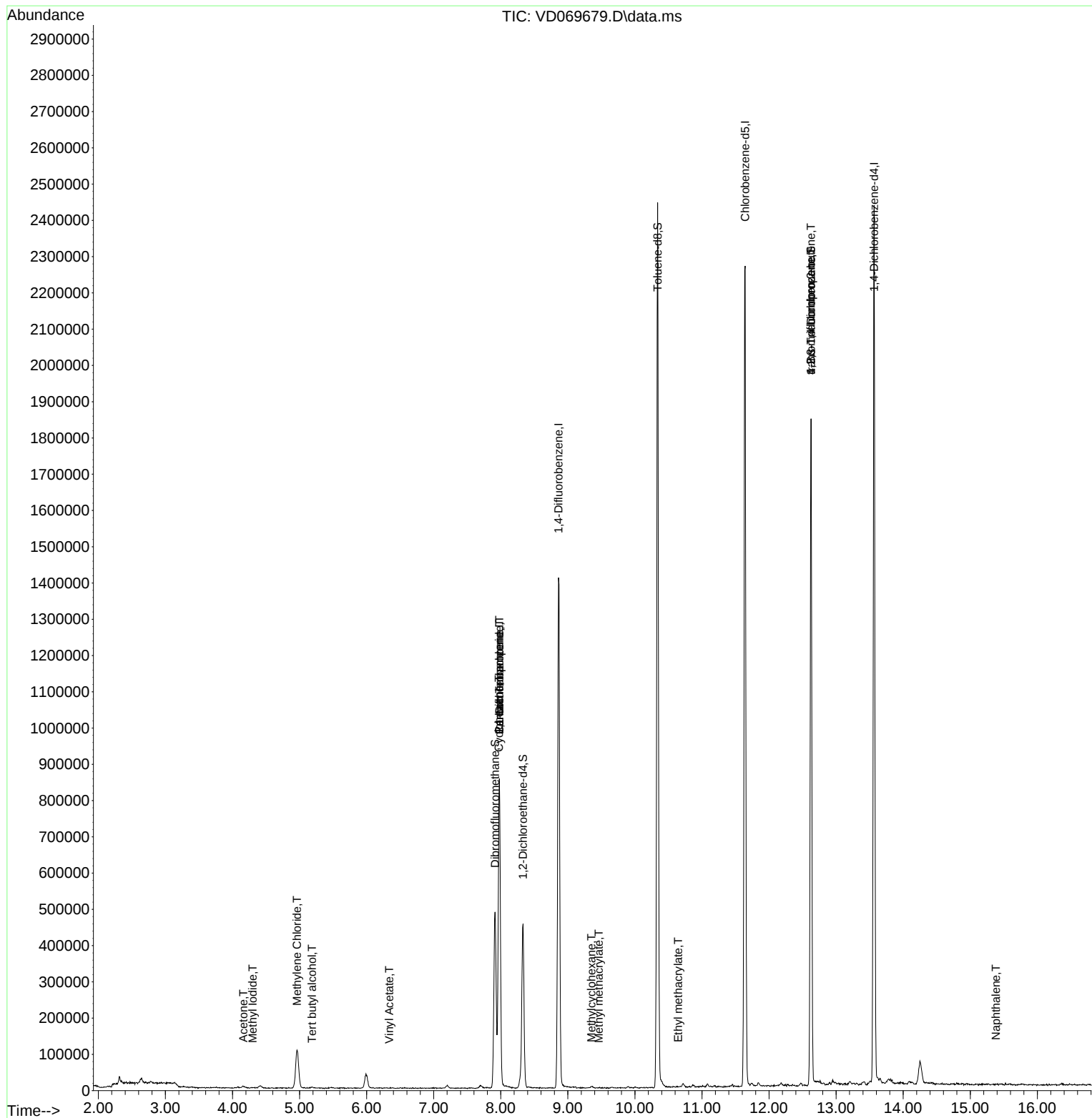
Internal Standards						
1) Pentafluorobenzene	7.979	168	590036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1200194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1343914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	618273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	356920	48.446	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.900%		
35) Dibromofluoromethane	7.914	113	365869	45.439	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.880%		
50) Toluene-d8	10.338	98	1595236	50.996	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.000%		
62) 4-Bromofluorobenzene	12.626	95	643388	61.670	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	123.340%		
Target Compounds						
5) Bromomethane	2.779	94	4517	Below Cal		83
10) Methyl Iodide	4.303	142	2510	2.794 ug/l #		86
11) Tert butyl alcohol	5.185	59	2634	2.676 ug/l #		79
16) Acetone	4.162	43	9921	18.909 ug/l #		83
18) Methyl Acetate	4.714	43	64	Below Cal #		49
20) Methylene Chloride	4.961	84	87066	3.871 ug/l		96
23) Vinyl Acetate	6.338	43	223	15.443 ug/l #		72
31) Cyclohexane	7.973	56	16281	1.693 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	54119	4.371 ug/l #		49
38) Carbon Tetrachloride	7.979	117	67252	5.931 ug/l #		15
39) Methylcyclohexane	9.349	83	2194	2.101 ug/l #		64
48) Methyl methacrylate	9.461	41	259	1.159 ug/l #		49
56) Ethyl methacrylate	10.644	69	751	1.753 ug/l #		83
76) 1,2,3-Trichloropropane	12.626	75	315591	52.543 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	315591	141.207 ug/l #		15
95) Naphthalene	15.384	128	2611	2.333 ug/l #		86

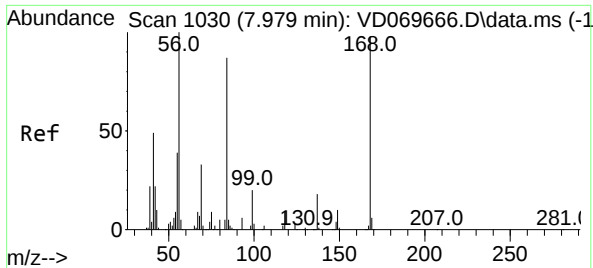
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 14 06:08:32 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

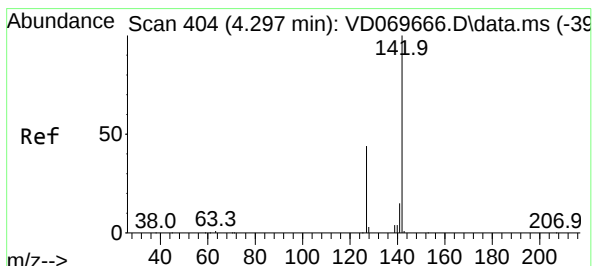
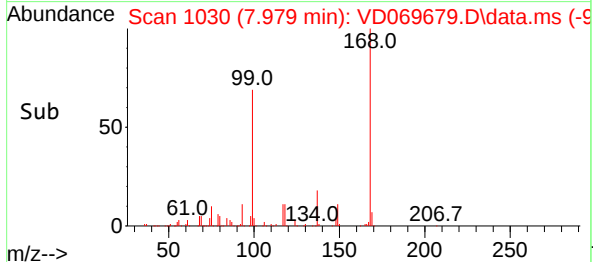
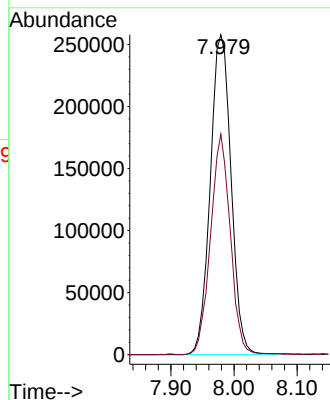
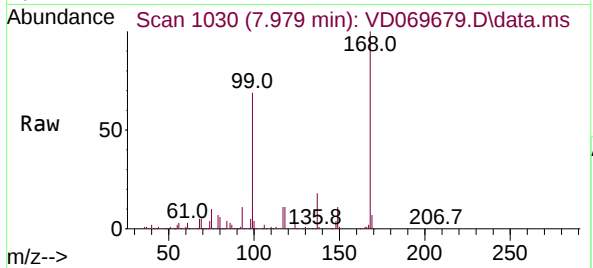




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

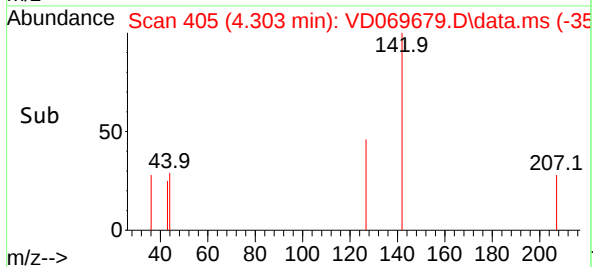
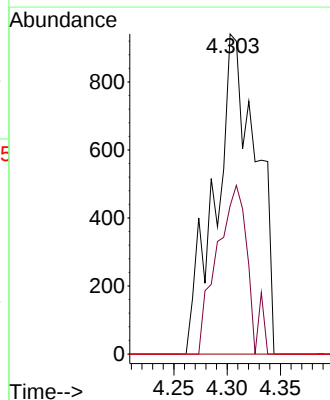
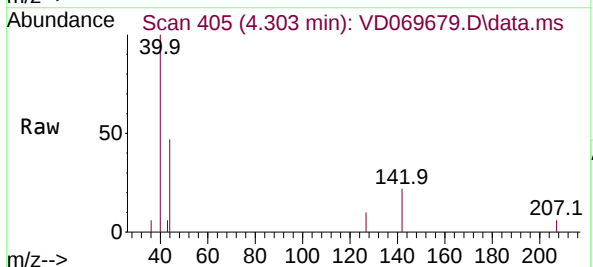
Instrument :
MSVOA_D
ClientSampleId :

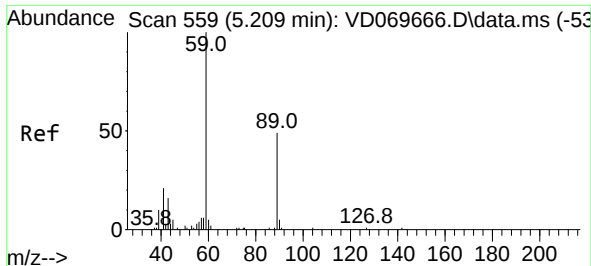
Tgt Ion:168 Resp: 590036
Ion Ratio Lower Upper
168 100
99 68.8 51.8 77.6



#10
Methyl Iodide
Concen: 2.794 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Tgt Ion:142 Resp: 2510
Ion Ratio Lower Upper
142 100
127 40.3 36.1 54.1
141 0.0 11.6 17.4#

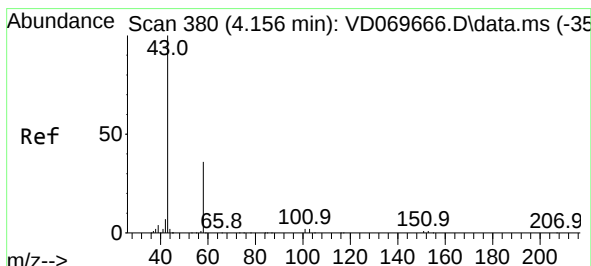
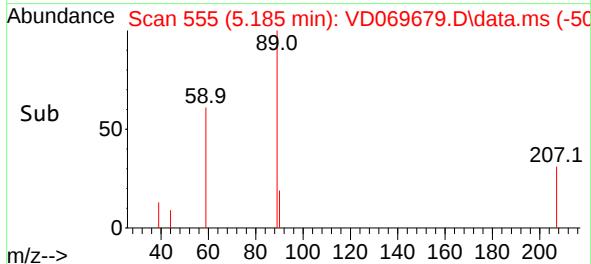
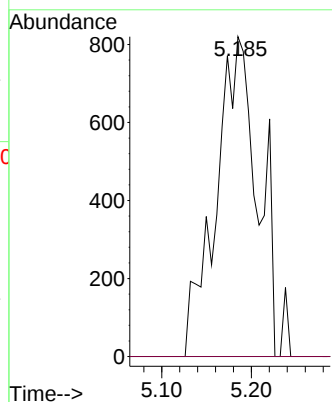
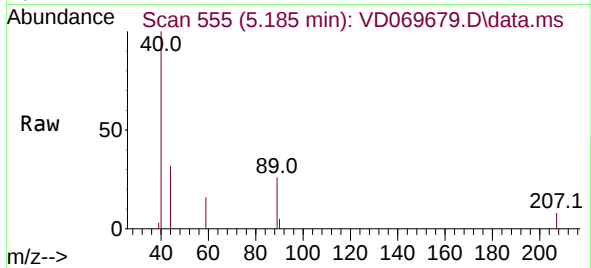




#11
Tert butyl alcohol
Concen: 2.676 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

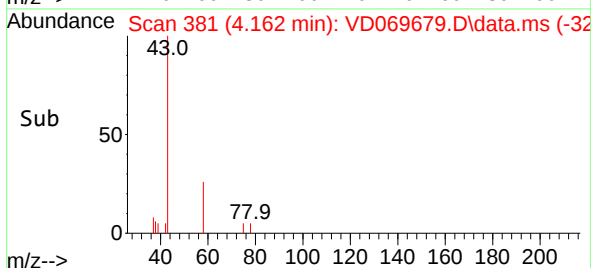
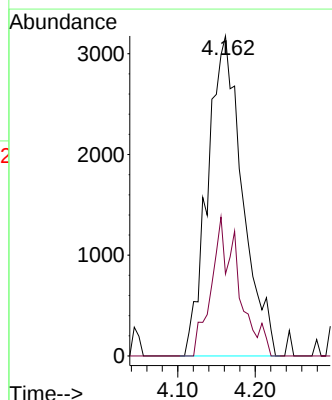
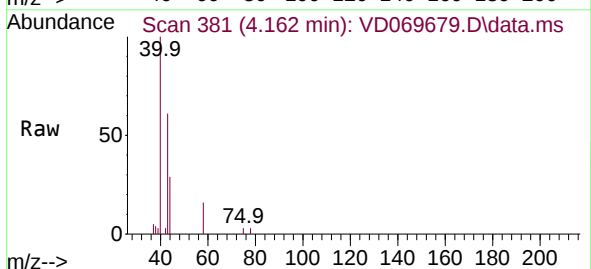
Instrument :
MSVOA_D
ClientSampleId :

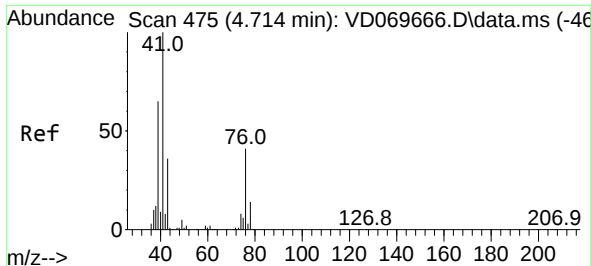
Tgt Ion: 59 Resp: 2634
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



#16
Acetone
Concen: 18.909 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Tgt Ion: 43 Resp: 9921
Ion Ratio Lower Upper
43 100
58 25.6 28.6 42.8#

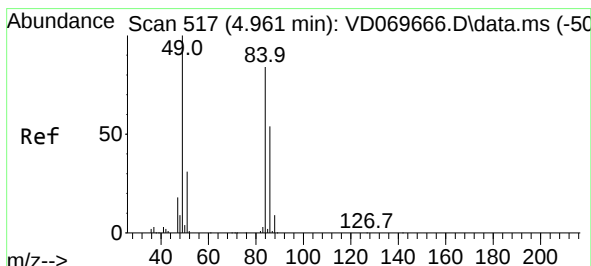
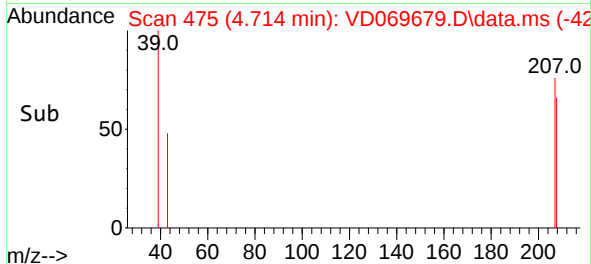
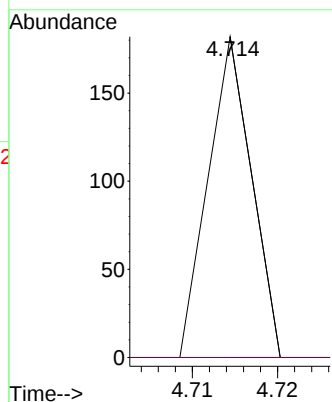
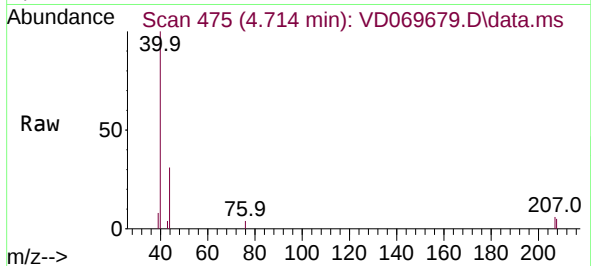




#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

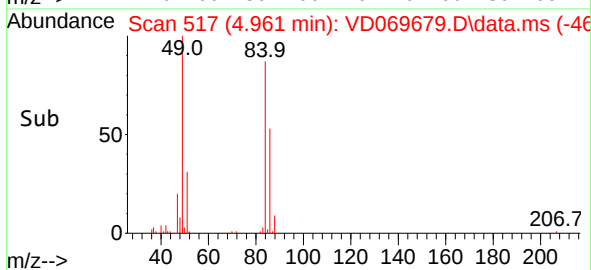
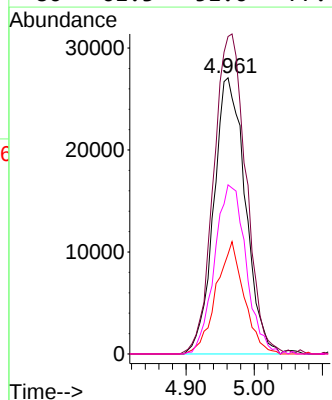
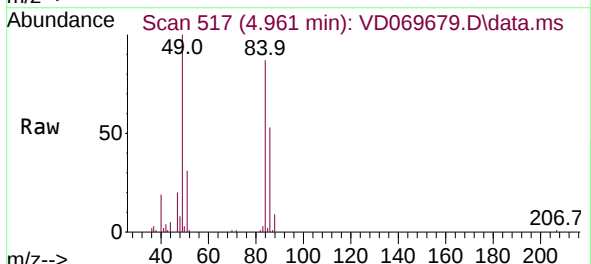
Instrument :
MSVOA_D
ClientSampled :

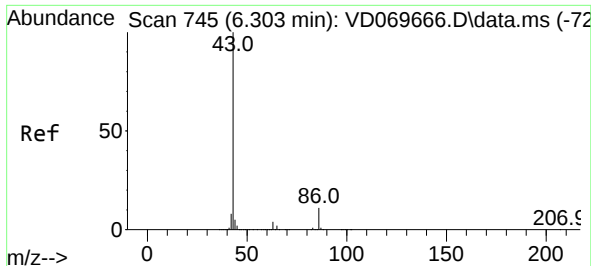
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 3.871 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Tgt Ion: 84 Resp: 87066
Ion Ratio Lower Upper
84 100
49 114.9 95.5 143.3
51 36.1 29.7 44.5
86 61.3 51.6 77.4

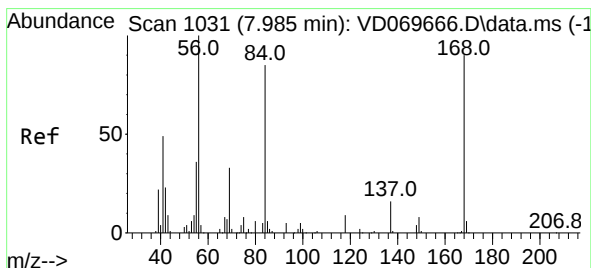
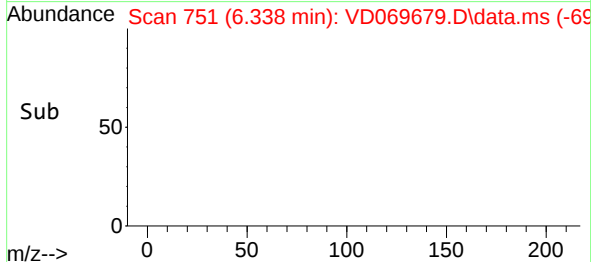
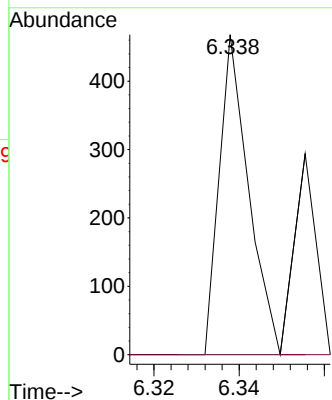
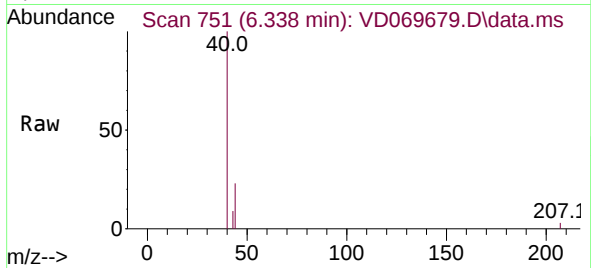




#23
 Vinyl Acetate
 Concen: 15.443 ug/l
 RT: 6.338 min Scan# 751
 Delta R.T. 0.035 min
 Lab File: VD069679.D
 Acq: 13 Jul 2021 19:27

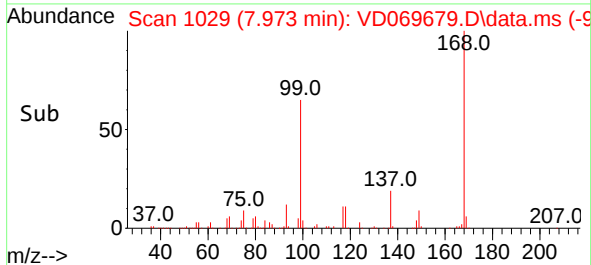
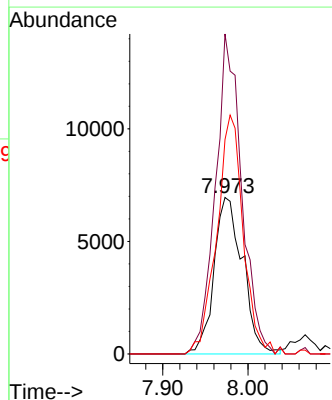
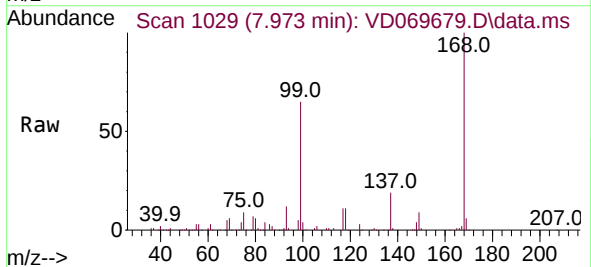
Instrument :
 MSVOA_D
 ClientSampled :

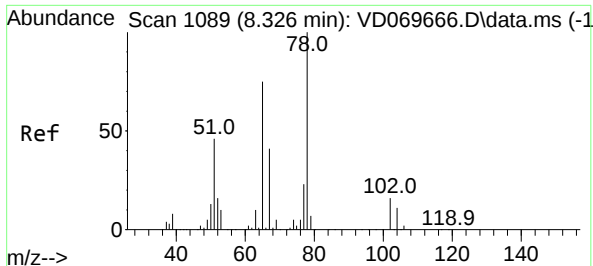
Tgt Ion: 43 Resp: 223
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.693 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069679.D
 Acq: 13 Jul 2021 19:27

Tgt Ion: 56 Resp: 16281
 Ion Ratio Lower Upper
 56 100
 69 204.6 26.6 39.8#
 84 137.0 68.2 102.2#



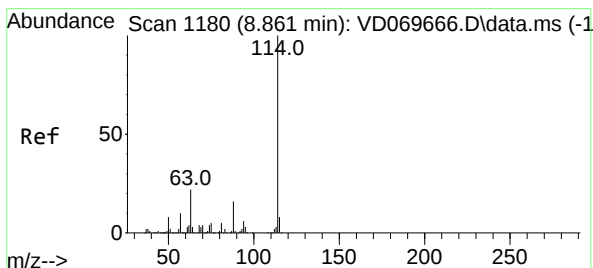
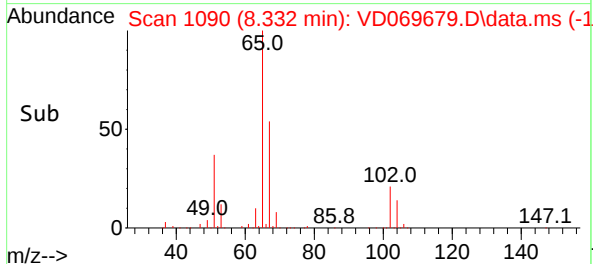
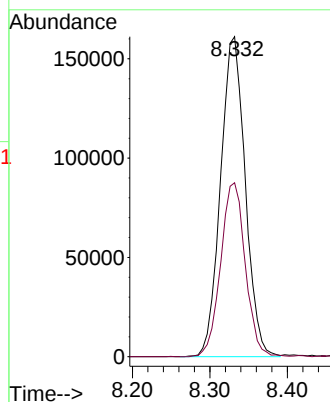
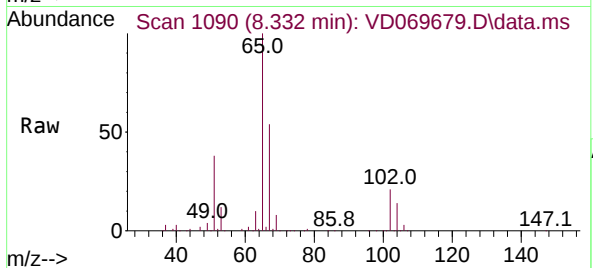


#33

1,2-Dichloroethane-d4
Concen: 48.446 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Instrument :
MSVOA_D
ClientSampleId :

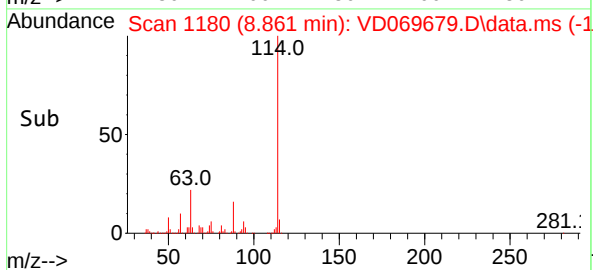
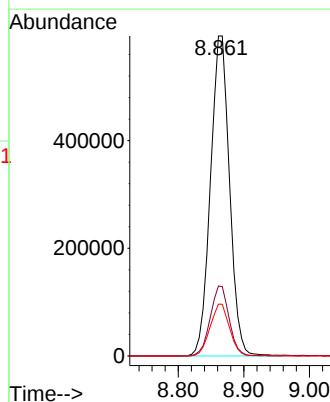
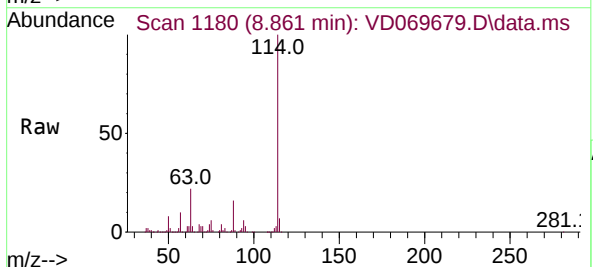
Tgt Ion: 65 Resp: 356920
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2

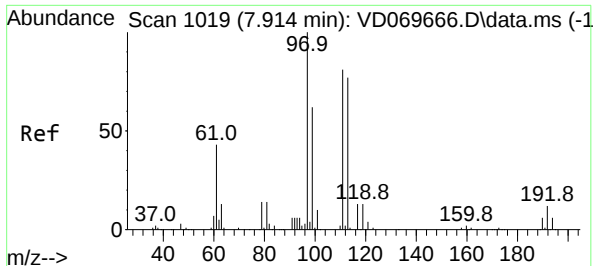


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Tgt Ion:114 Resp: 1200194
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.4
88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 45.439 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069679.D

Acq: 13 Jul 2021 19:27

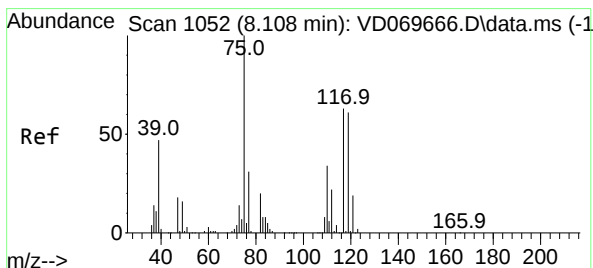
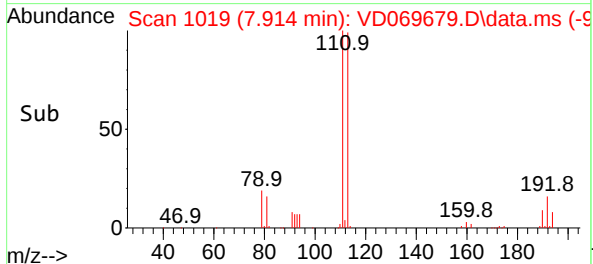
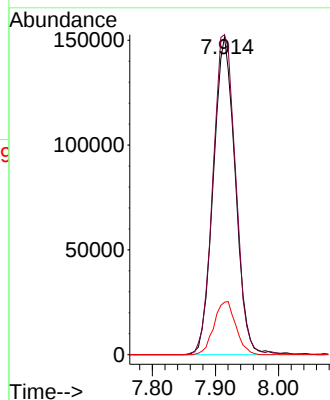
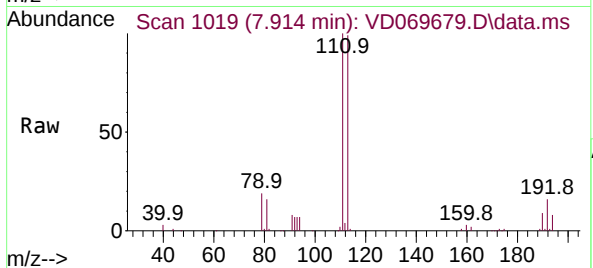
Tgt Ion:113 Resp: 365869

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 16.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.371 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069679.D

Acq: 13 Jul 2021 19:27

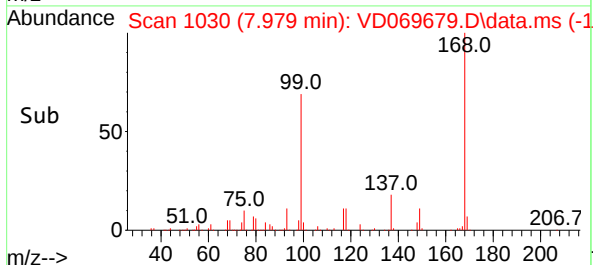
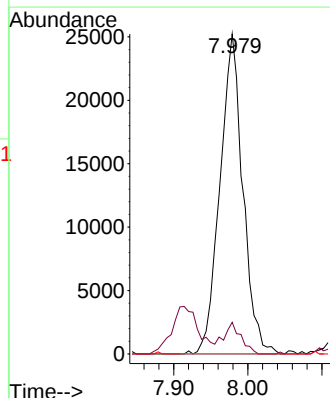
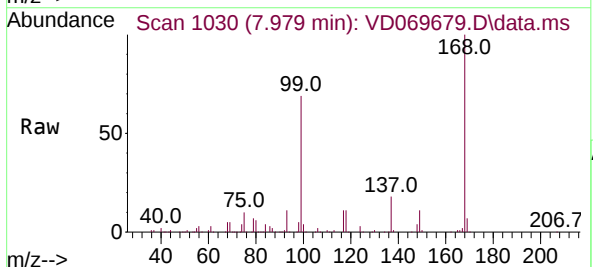
Tgt Ion: 75 Resp: 54119

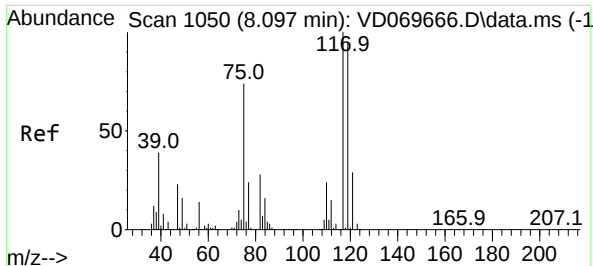
Ion Ratio Lower Upper

75 100

110 7.5 16.7 50.0#

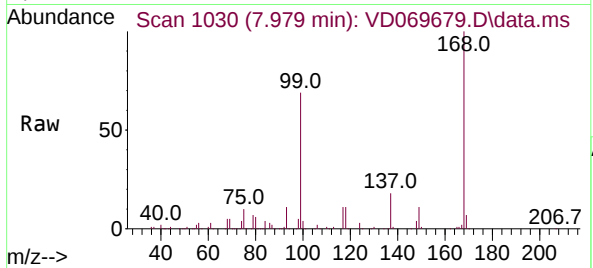
77 0.0 25.3 37.9#



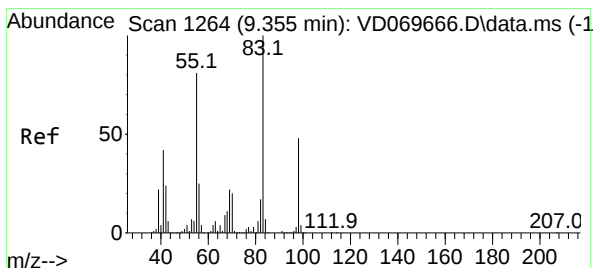
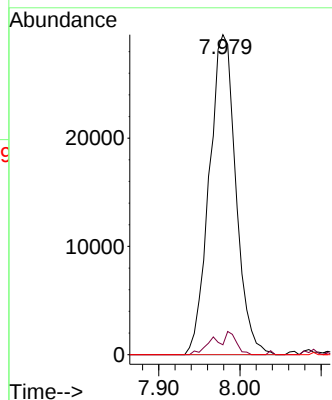
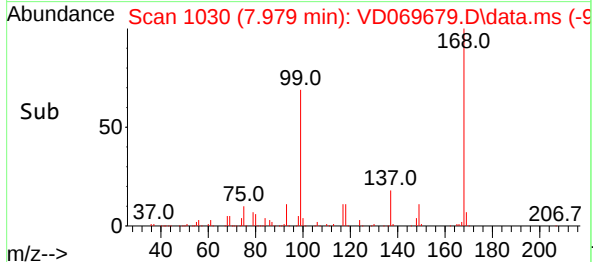


#38
Carbon Tetrachloride
Concen: 5.931 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

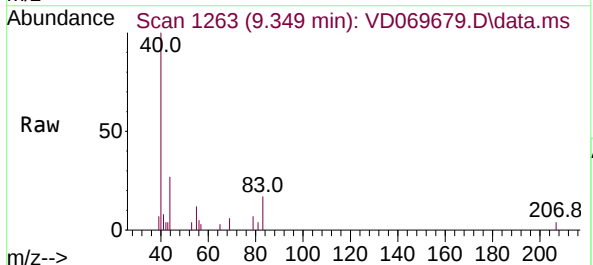
Instrument :
MSVOA_D
ClientSampleId :



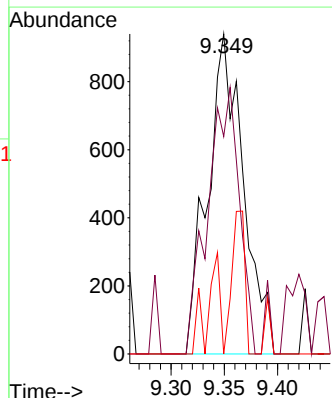
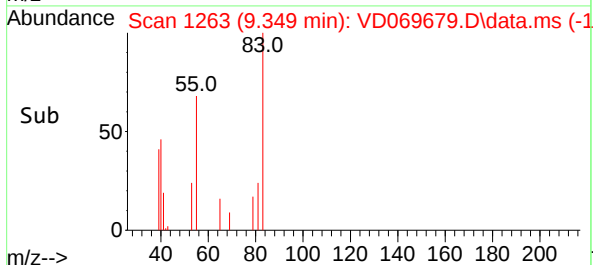
Tgt Ion:117 Resp: 67252
Ion Ratio Lower Upper
117 100
119 3.1 75.7 113.5#
121 0.0 23.0 34.6#

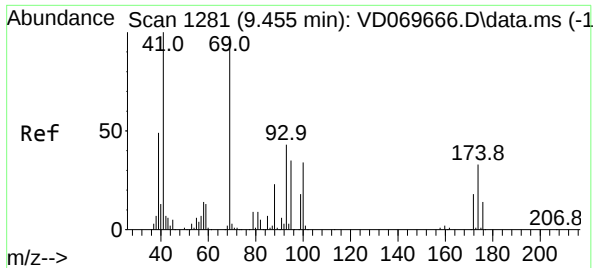


#39
Methylcyclohexane
Concen: 2.101 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27



Tgt Ion: 83 Resp: 2194
Ion Ratio Lower Upper
83 100
55 68.0 64.6 97.0
98 0.0 38.4 57.6#

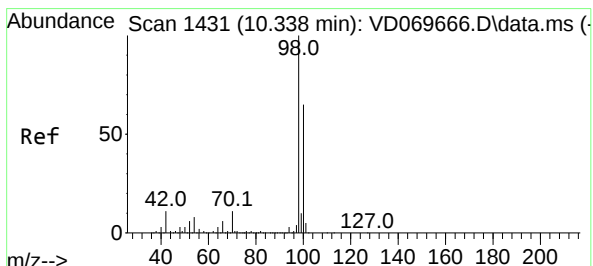
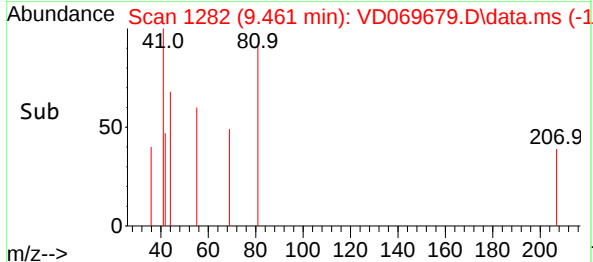
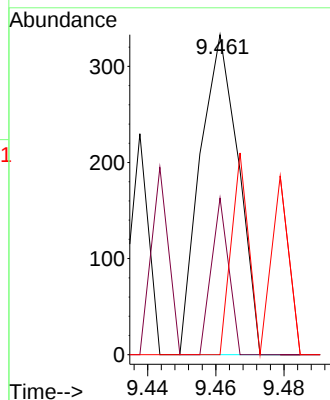
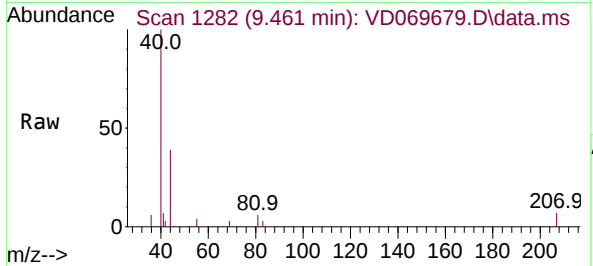




#48
Methyl methacrylate
Concen: 1.159 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

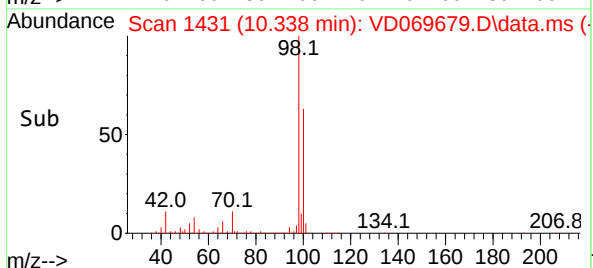
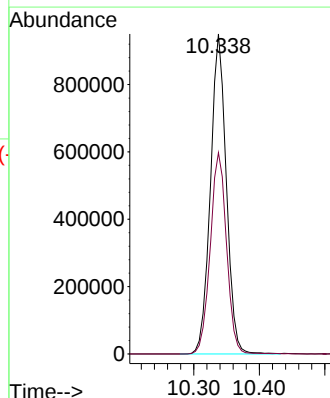
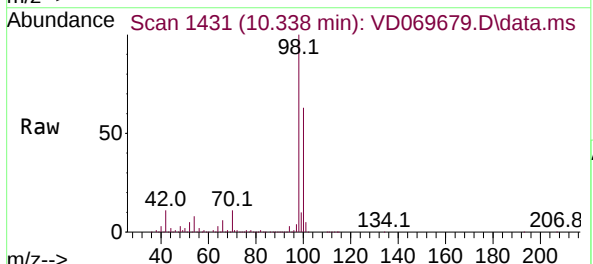
Instrument :
MSVOA_D
ClientSampleId :

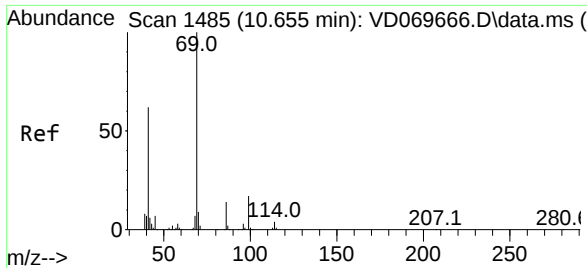
Tgt Ion: 41 Resp: 259
Ion Ratio Lower Upper
41 100
69 22.4 71.6 107.4#
39 54.1 36.7 55.1



#50
Toluene-d8
Concen: 50.996 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Tgt Ion: 98 Resp: 1595236
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

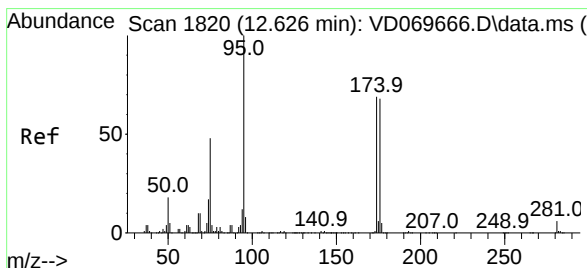
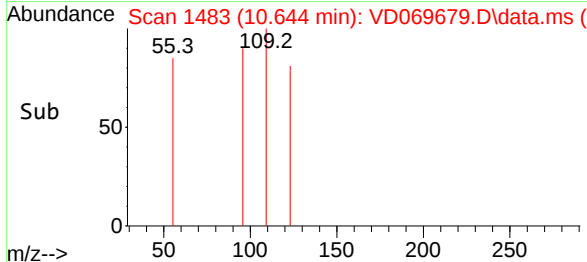
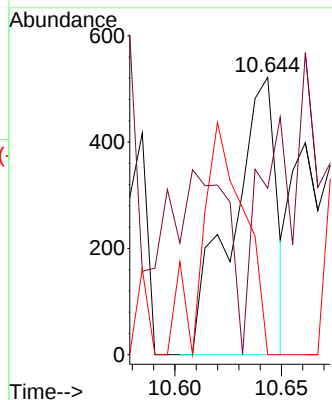
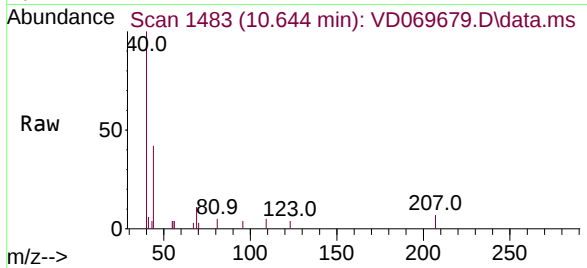




#56
Ethyl methacrylate
Concen: 1.753 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

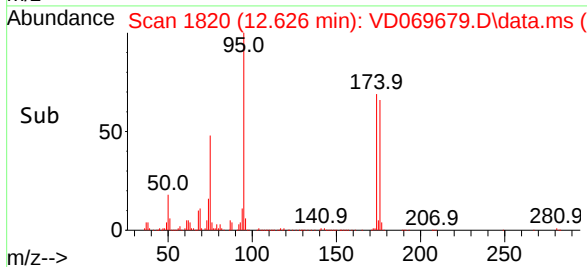
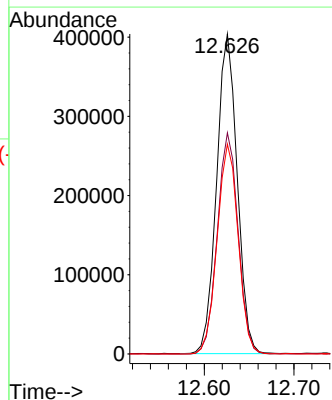
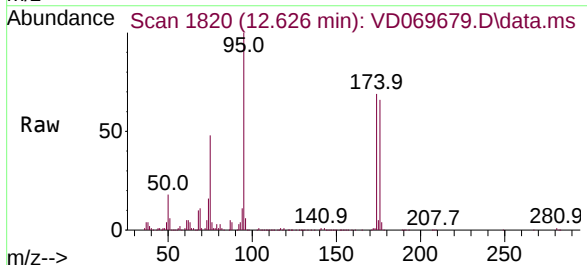
Instrument :
MSVOA_D
ClientSampled :

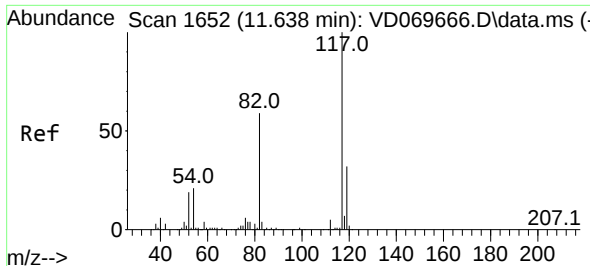
Tgt Ion: 69 Resp: 751
Ion Ratio Lower Upper
69 100
41 61.8 49.5 74.3
39 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 61.670 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

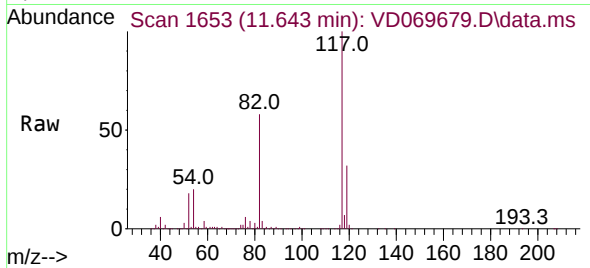
Tgt Ion: 95 Resp: 643388
Ion Ratio Lower Upper
95 100
174 69.9 0.0 140.0
176 66.9 0.0 136.2





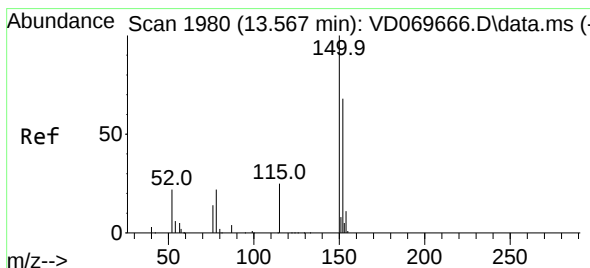
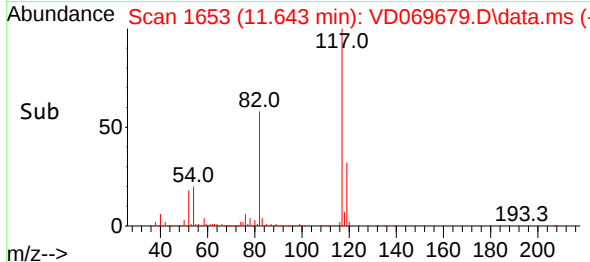
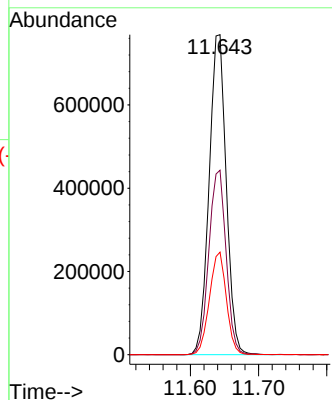
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:117 Resp: 1343914

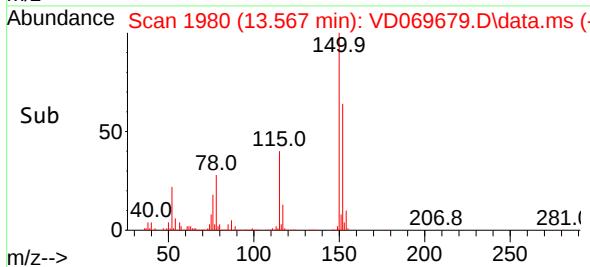
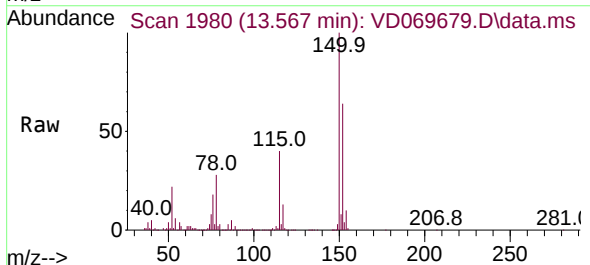
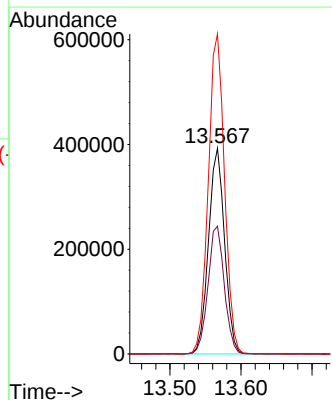
Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.4	71.2
119	32.1	25.5	38.3

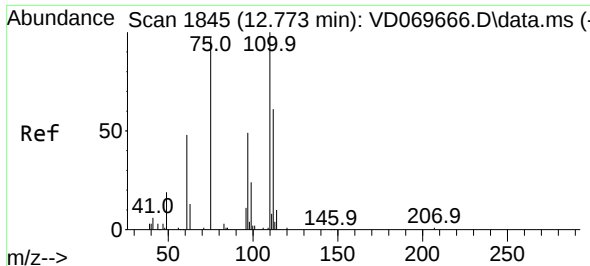


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Tgt Ion:152 Resp: 618273

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.7	95.1
150	157.1	0.0	350.4

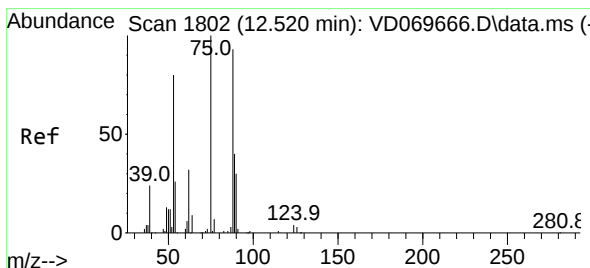
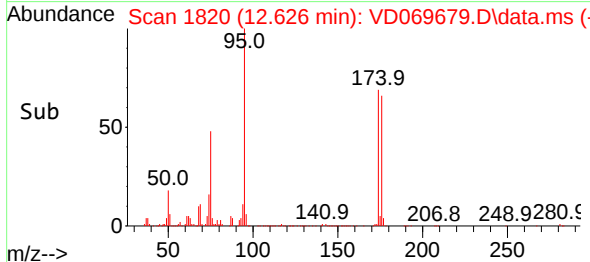
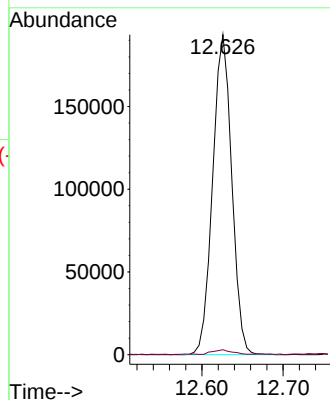
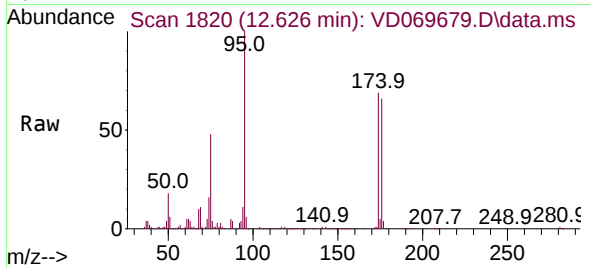




#76
1,2,3-Trichloropropane
Concen: 52.543 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

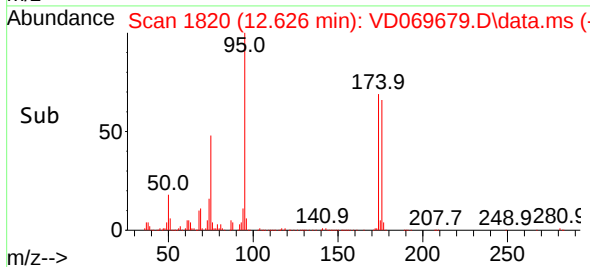
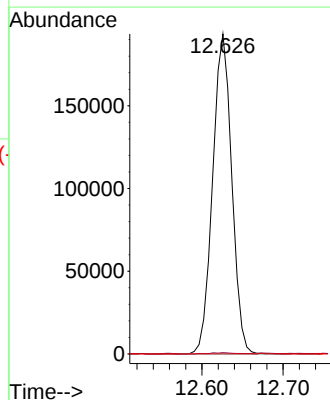
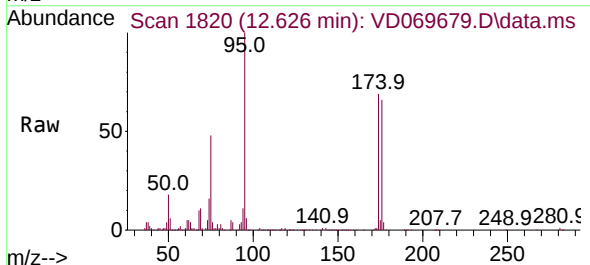
Instrument :
MSVOA_D
ClientSampleId :

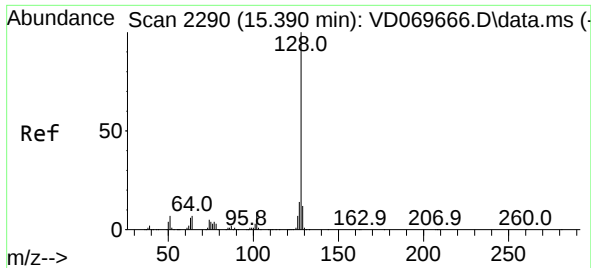
Tgt Ion: 75 Resp: 315591
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.207 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Tgt Ion: 75 Resp: 315591
Ion Ratio Lower Upper
75 100
53 0.5 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.333 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069679.D
Acq: 13 Jul 2021 19:27

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	2611
Ion	Ratio	Lower	Upper
128	100		
127	7.3	10.6	16.0#
129	5.8	8.8	13.2#

