

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069765.D
 Acq On : 20 Jul 2021 12:59
 Operator : VA/SY
 Sample : M3039-13
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:24:27 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	515684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1022342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1218584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	587153	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	315266	48.962	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.920%
35) Dibromofluoromethane	7.914	113	334080	48.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.420%
50) Toluene-d8	10.338	98	1391615	52.226	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.460%
62) 4-Bromofluorobenzene	12.626	95	573116	64.491	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.980%

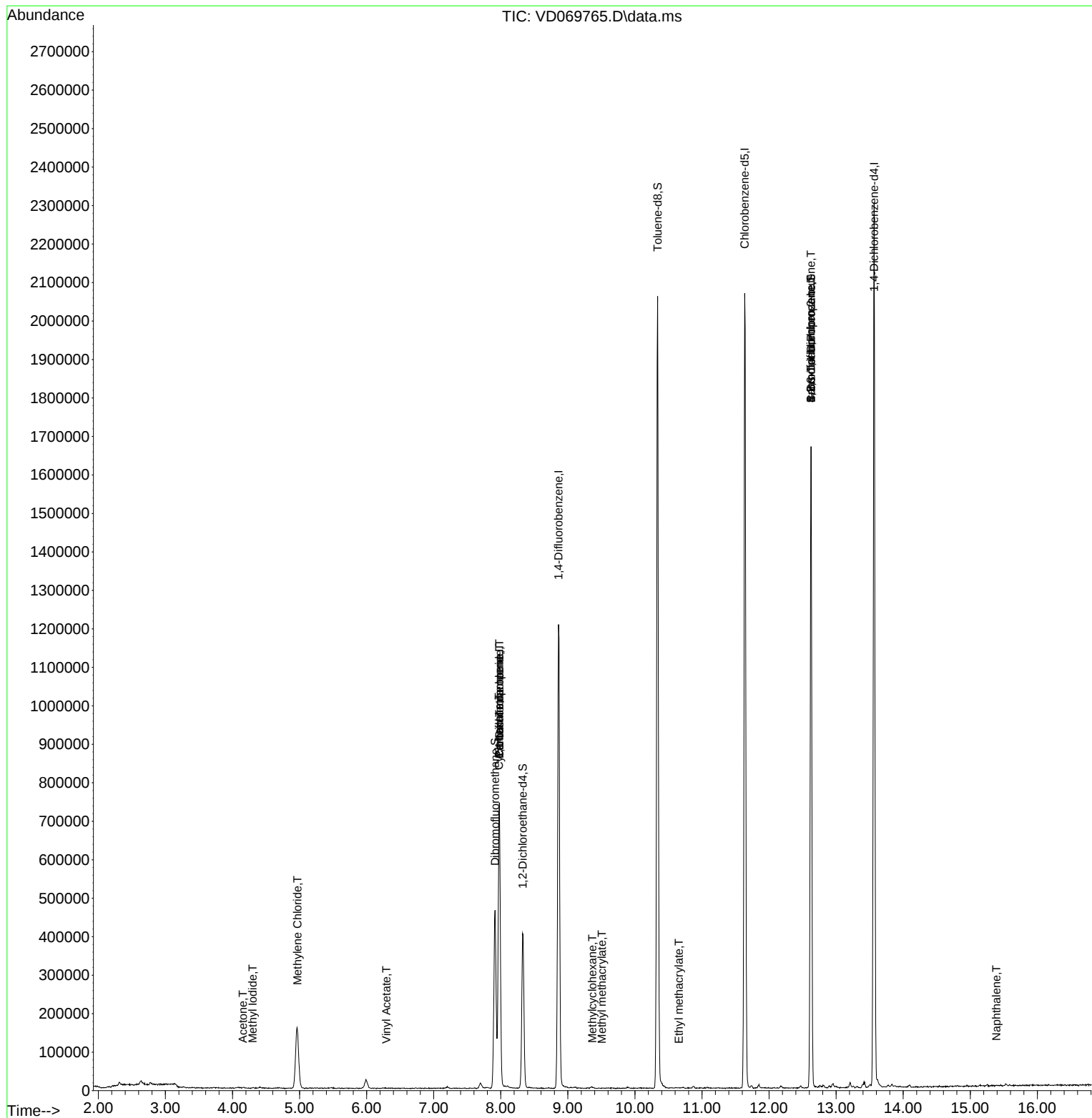
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.779	94	3166	Below Cal		93
10) Methyl Iodide	4.303	142	2177	2.791	ug/l #	83
16) Acetone	4.156	43	3027	15.157	ug/l #	84
18) Methyl Acetate	4.656	43	123	Below Cal	#	26
20) Methylene Chloride	4.967	84	129313	10.058	ug/l	94
23) Vinyl Acetate	6.297	43	126	15.436	ug/l #	72
31) Cyclohexane	7.973	56	12974	1.579	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	48908	4.637	ug/l #	49
38) Carbon Tetrachloride	7.979	117	57587	5.963	ug/l #	17
39) Methylcyclohexane	9.367	83	1713	2.089	ug/l #	71
48) Methyl methacrylate	9.508	41	154	1.142	ug/l #	13
56) Ethyl methacrylate	10.655	69	230	1.697	ug/l #	1
71) Bromoform	12.626	173	4400	1.044	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	286100	50.158	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	286100	134.796	ug/l #	14
95) Naphthalene	15.390	128	1121	2.263	ug/l #	81

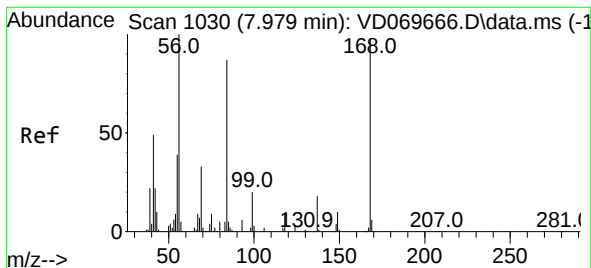
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

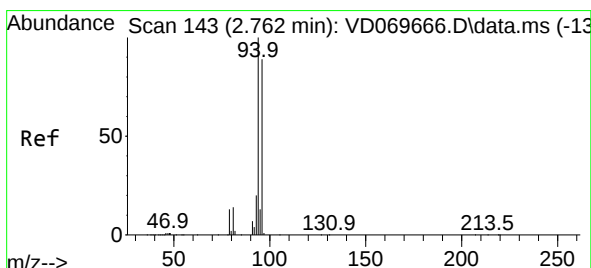
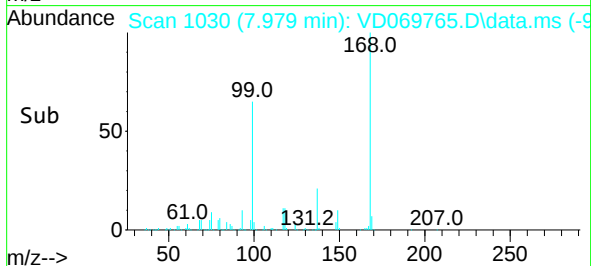
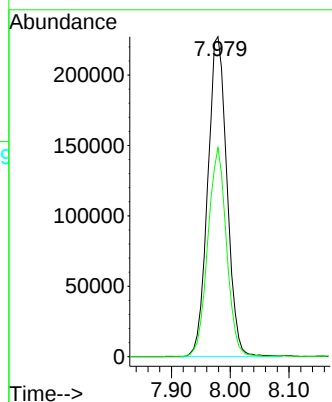
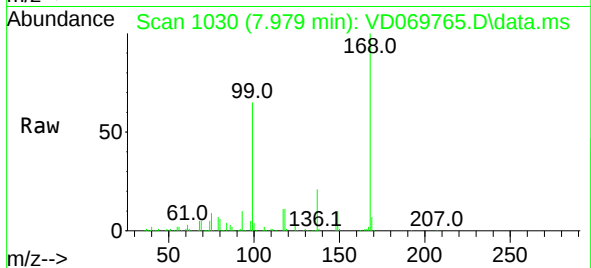




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

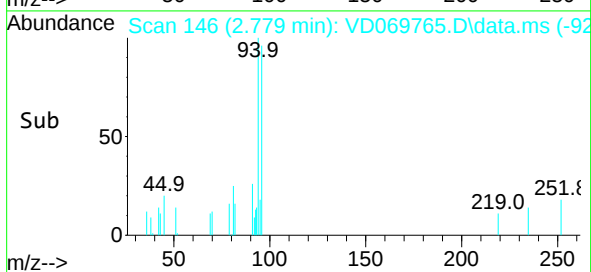
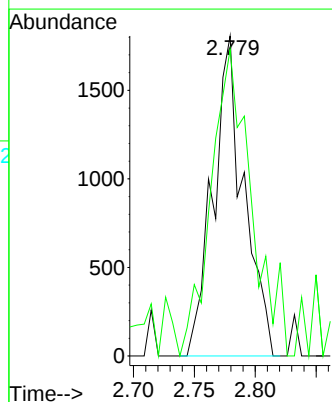
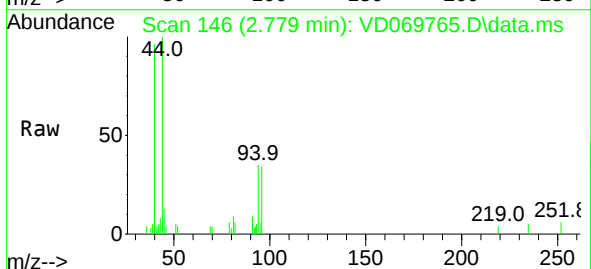
Instrument :
MSVOA_D
ClientSampleId :

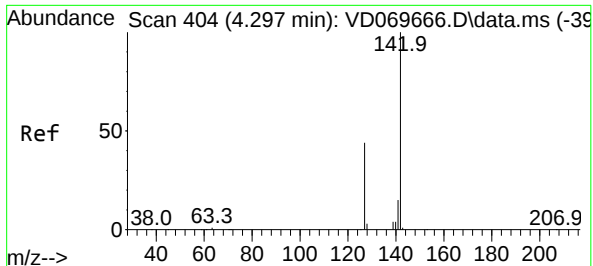
Tgt Ion:168 Resp: 515684
Ion Ratio Lower Upper
168 100
99 65.2 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

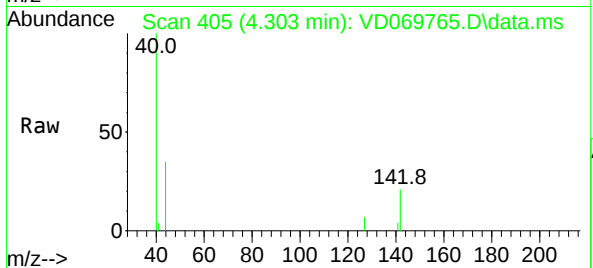
Tgt Ion: 94 Resp: 3166
Ion Ratio Lower Upper
94 100
96 95.8 71.2 106.8



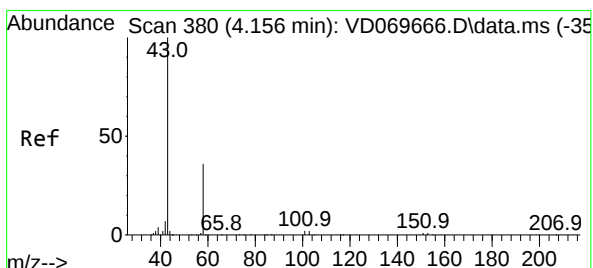
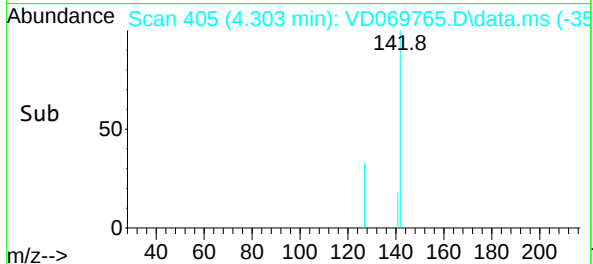
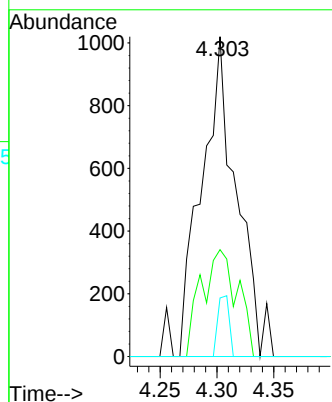


#10
Methyl Iodide
Concen: 2.791 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Instrument :
MSVOA_D
ClientSampled :

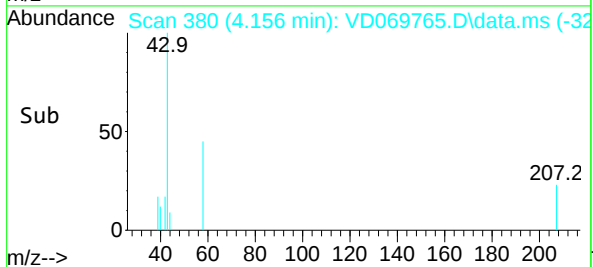
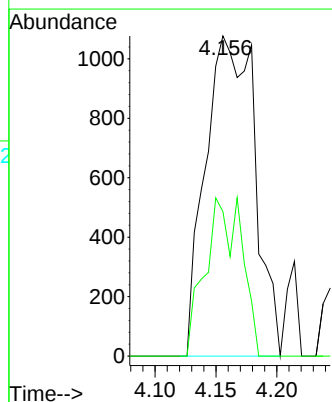
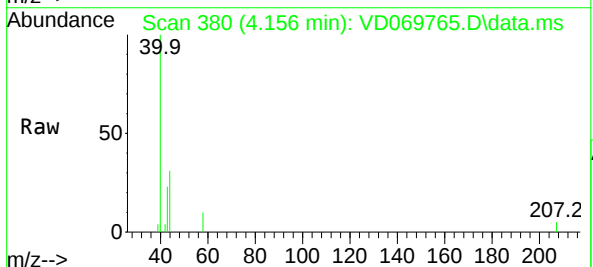


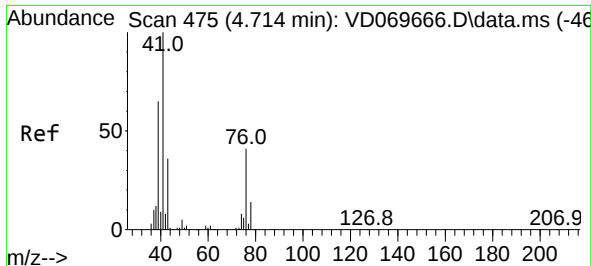
Tgt Ion:142 Resp: 2177
Ion Ratio Lower Upper
142 100
127 34.5 36.1 54.1#
141 6.2 11.6 17.4#



#16
Acetone
Concen: 15.157 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

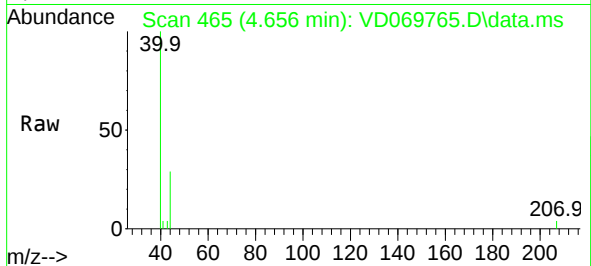
Tgt Ion: 43 Resp: 3027
Ion Ratio Lower Upper
43 100
58 45.1 28.6 42.8#



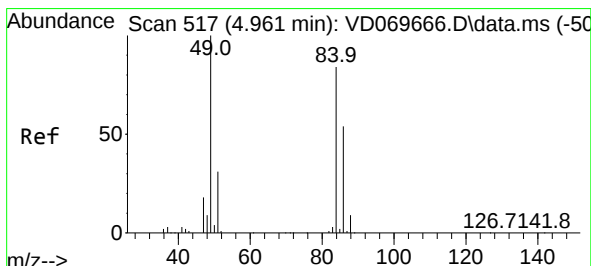
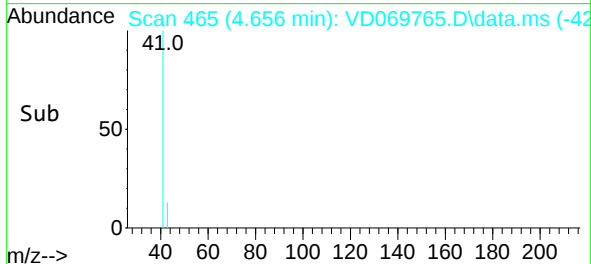
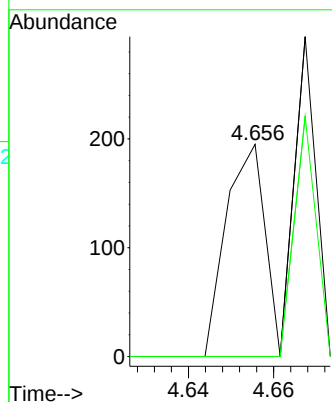


#18
Methyl Acetate
Concen: Below Cal
RT: 4.656 min Scan# 465
Delta R.T. -0.058 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Instrument :
MSVOA_D
ClientSampled :

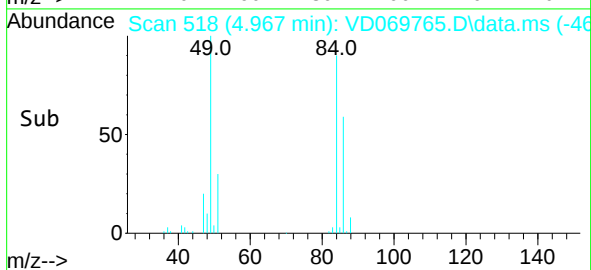
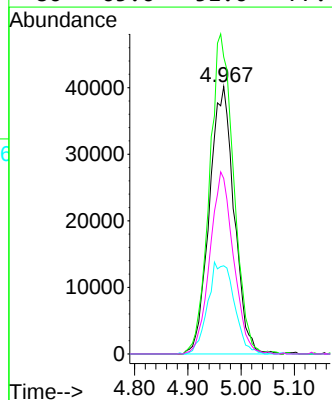
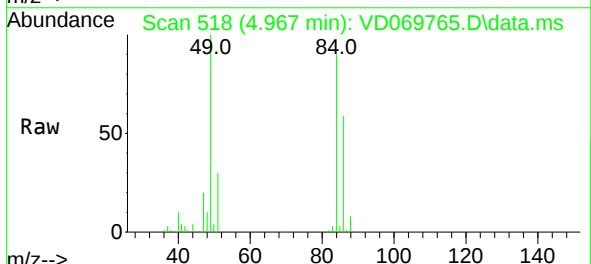


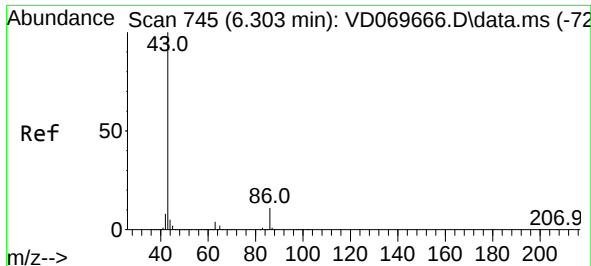
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
74 63.4 20.6 30.8#



#20
Methylene Chloride
Concen: 10.058 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Tgt Ion: 84 Resp: 129313
Ion Ratio Lower Upper
84 100
49 111.1 95.5 143.3
51 32.6 29.7 44.5
86 65.6 51.6 77.4

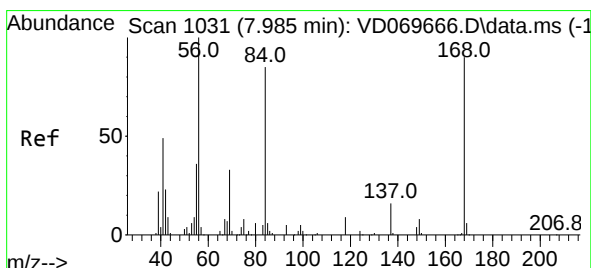
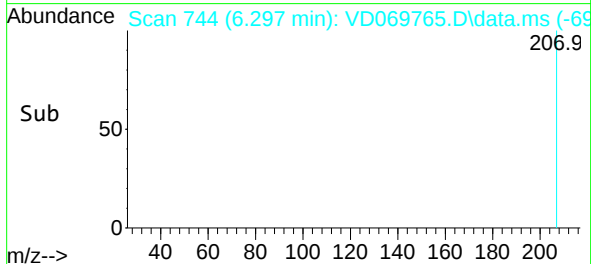
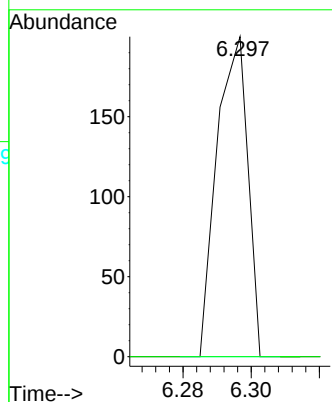
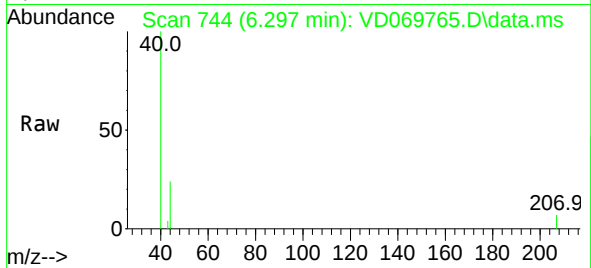




#23
 Vinyl Acetate
 Concen: 15.436 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD069765.D
 Acq: 20 Jul 2021 12:59

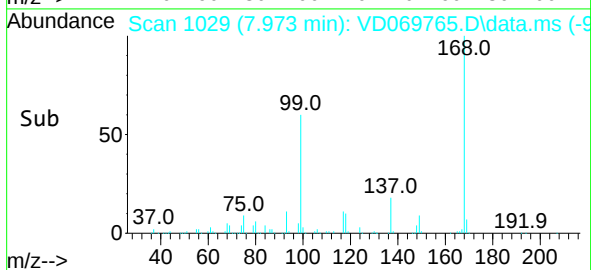
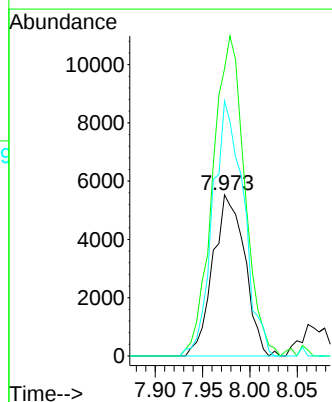
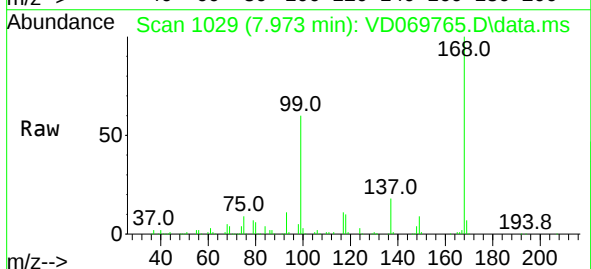
Instrument :
 MSVOA_D
 ClientSampled :

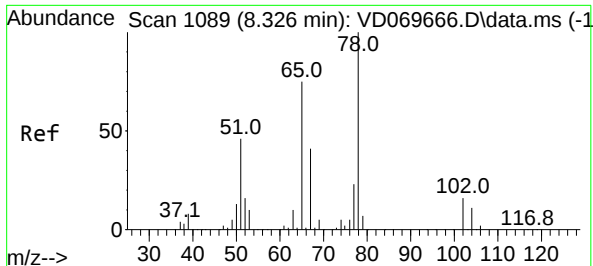
Tgt Ion: 43 Resp: 126
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.579 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069765.D
 Acq: 20 Jul 2021 12:59

Tgt Ion: 56 Resp: 12974
 Ion Ratio Lower Upper
 56 100
 69 178.2 26.6 39.8#
 84 158.2 68.2 102.2#

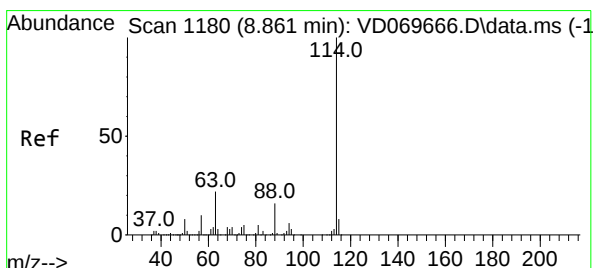
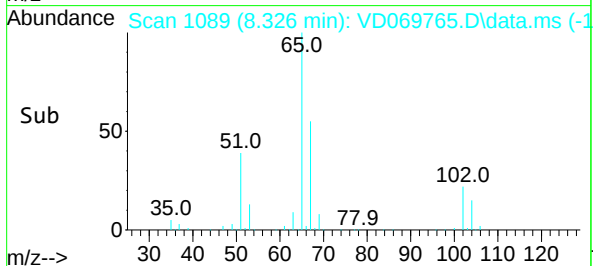
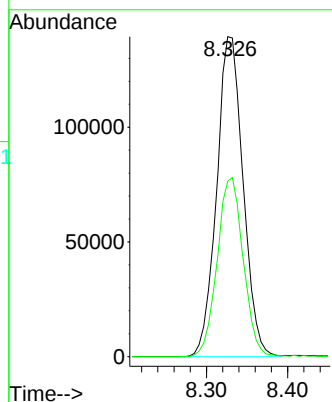
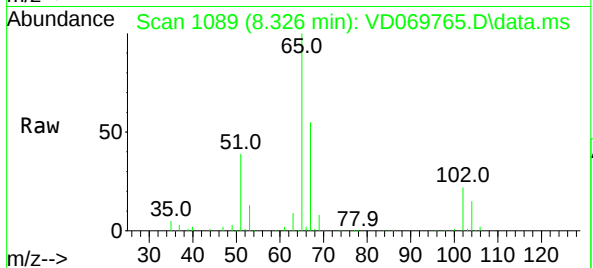




#33
1,2-Dichloroethane-d4
Concen: 48.962 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

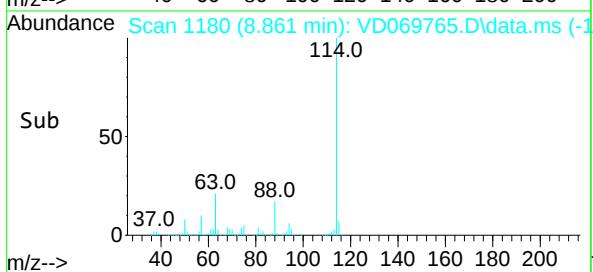
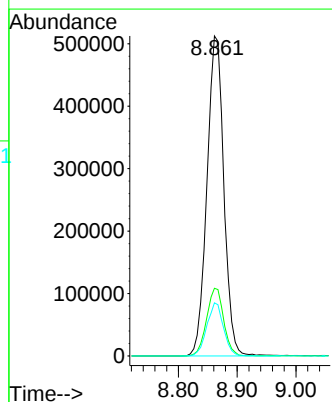
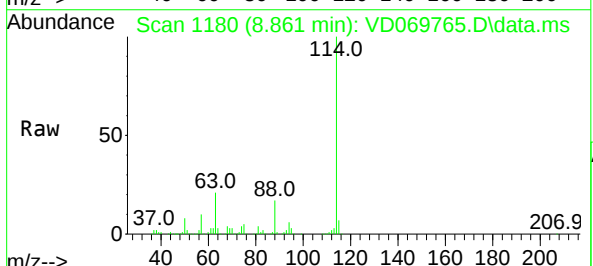
Instrument :
MSVOA_D
ClientSampleId :

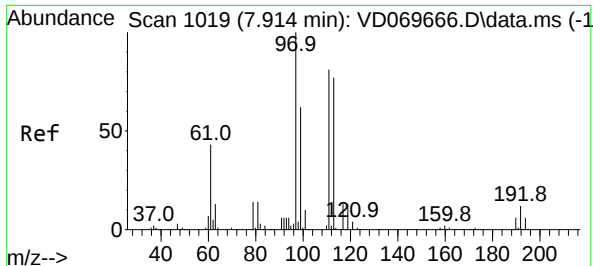
Tgt Ion: 65 Resp: 315266
Ion Ratio Lower Upper
65 100
67 55.2 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Tgt Ion: 114 Resp: 1022342
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.4
88 16.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.709 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069765.D

Acq: 20 Jul 2021 12:59

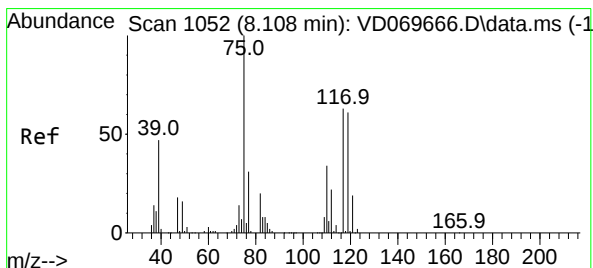
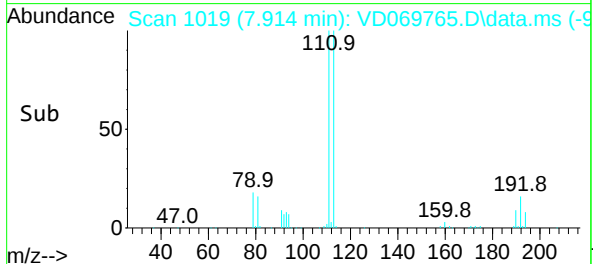
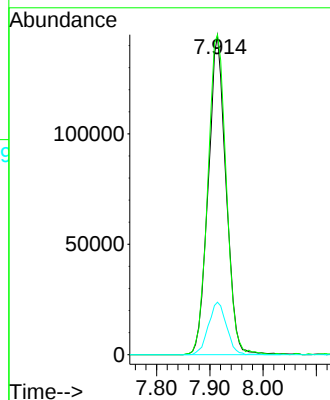
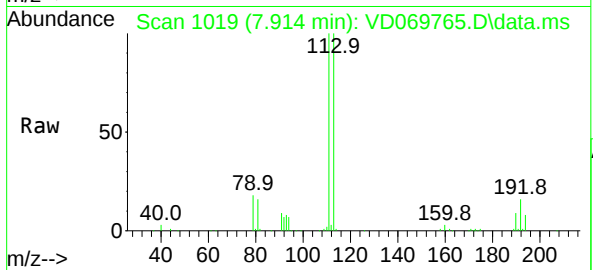
Tgt Ion:113 Resp: 334080

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 16.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.637 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069765.D

Acq: 20 Jul 2021 12:59

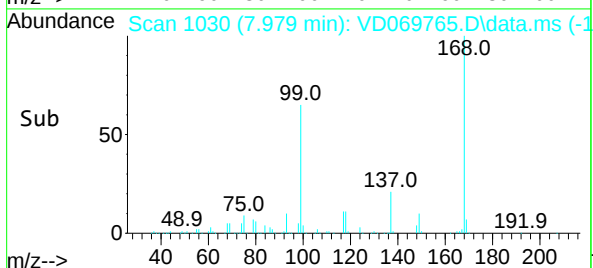
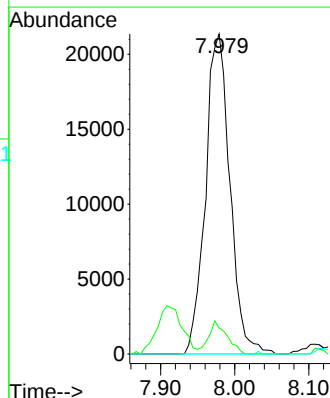
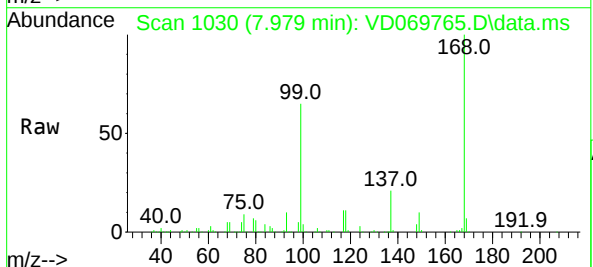
Tgt Ion: 75 Resp: 48908

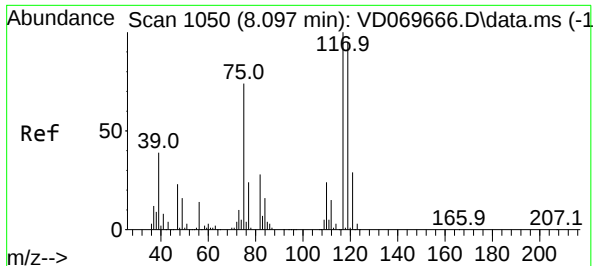
Ion Ratio Lower Upper

75 100

110 7.7 16.7 50.0#

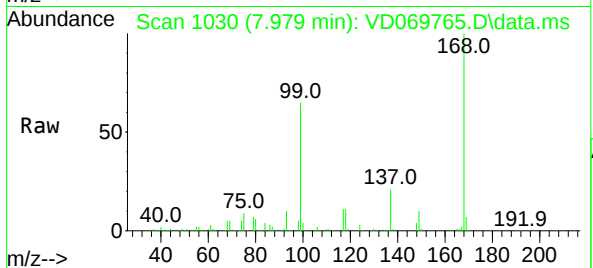
77 0.0 25.3 37.9#



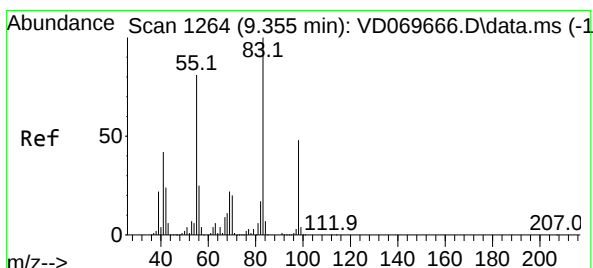
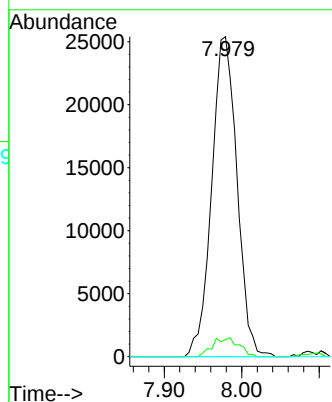
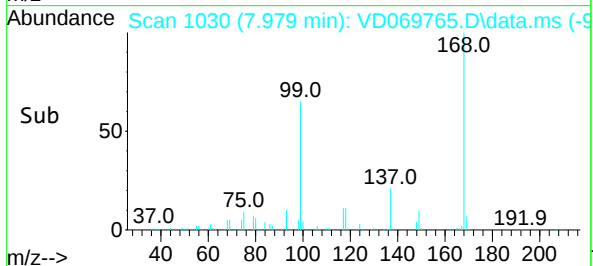


#38
Carbon Tetrachloride
Concen: 5.963 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

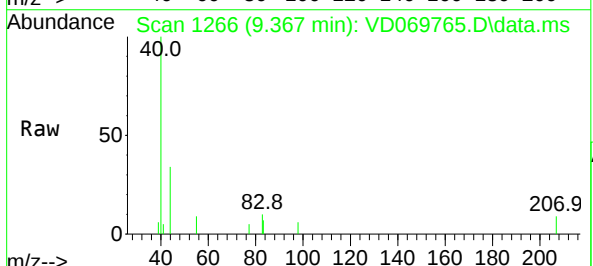
Instrument :
MSVOA_D
ClientSampleId :



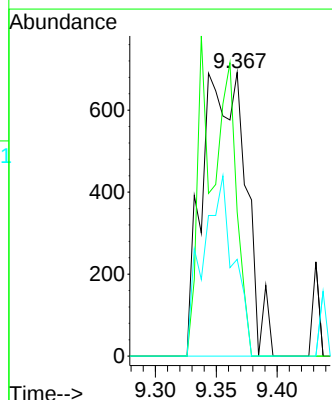
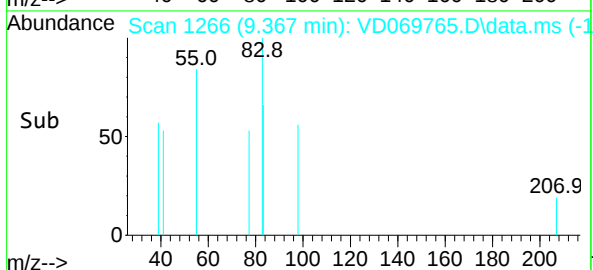
Tgt Ion:117 Resp: 57587
Ion Ratio Lower Upper
117 100
119 5.3 75.7 113.5#
121 0.0 23.0 34.6#

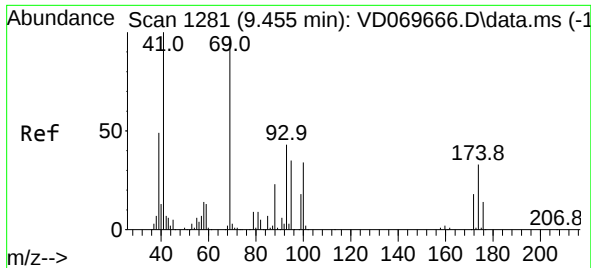


#39
Methylcyclohexane
Concen: 2.089 ug/l
RT: 9.367 min Scan# 1266
Delta R.T. 0.012 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59



Tgt Ion: 83 Resp: 1713
Ion Ratio Lower Upper
83 100
55 50.9 64.6 97.0#
98 34.1 38.4 57.6#

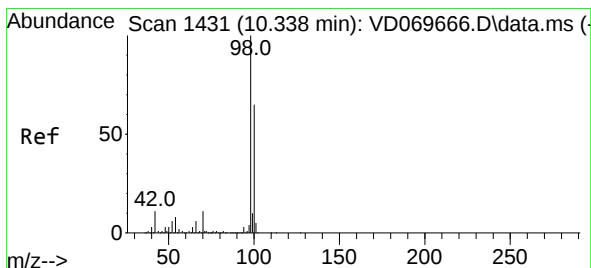
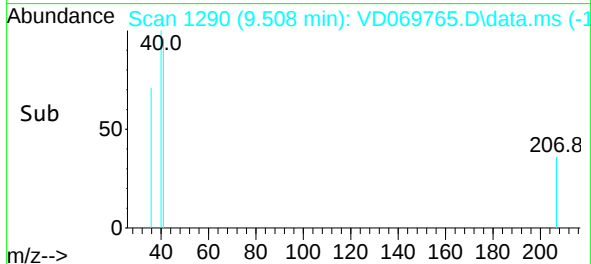
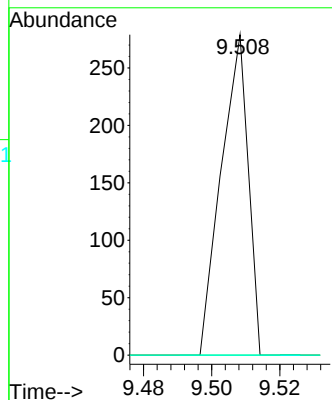
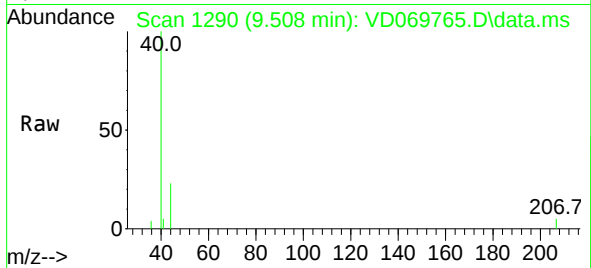




#48
Methyl methacrylate
Concen: 1.142 ug/l
RT: 9.508 min Scan# 1290
Delta R.T. 0.053 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

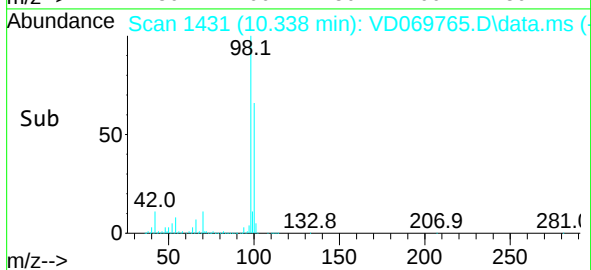
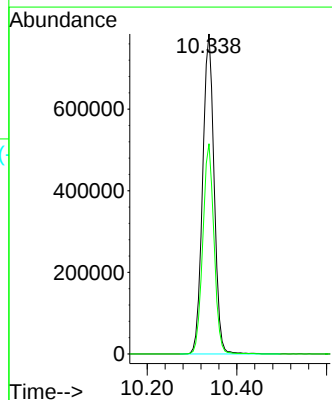
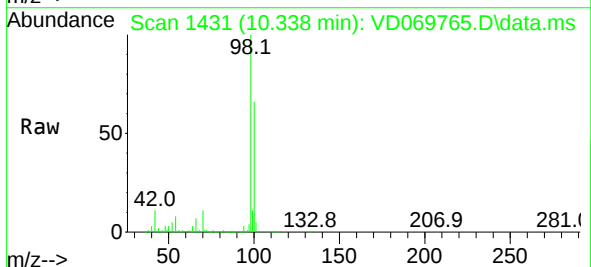
Instrument :
MSVOA_D
ClientSampled :

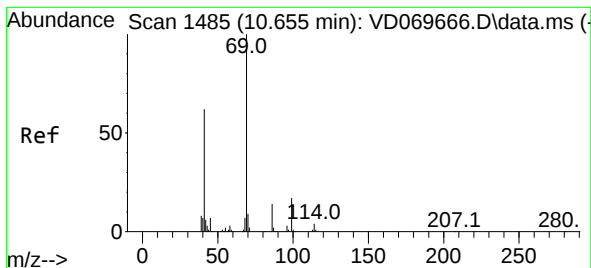
Tgt Ion: 41 Resp: 154
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 52.226 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Tgt Ion: 98 Resp: 1391615
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2

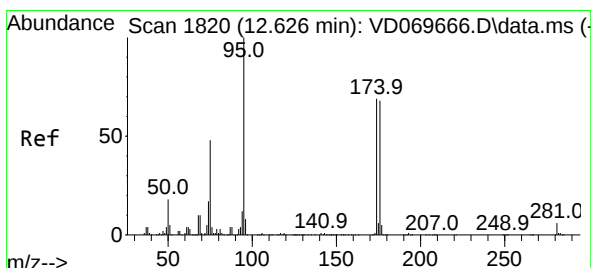
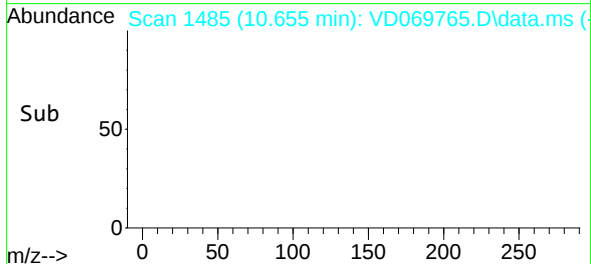
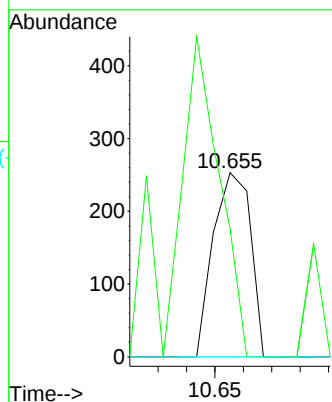
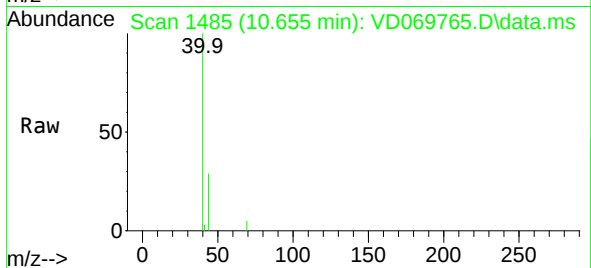




#56
Ethyl methacrylate
Concen: 1.697 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

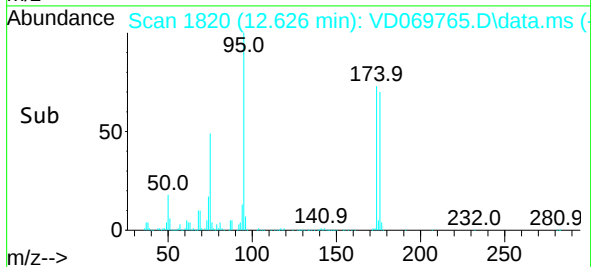
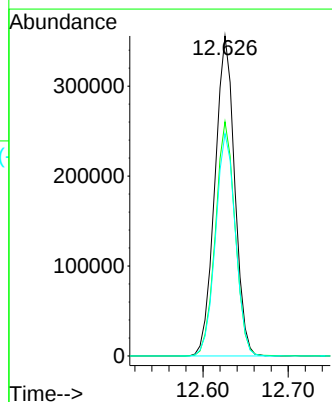
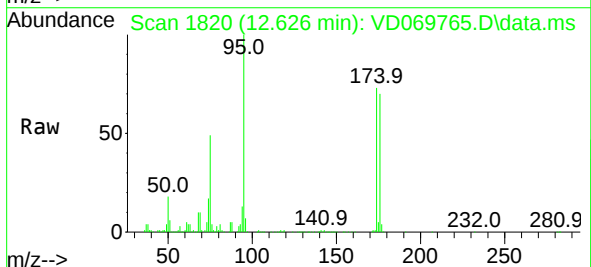
Instrument :
MSVOA_D
ClientSampleId :

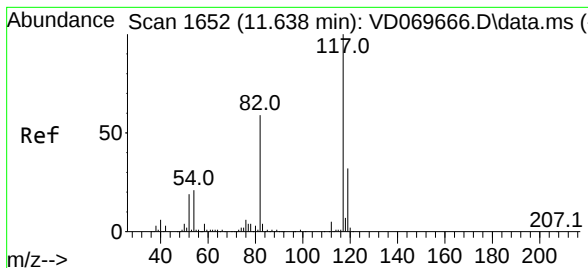
Tgt Ion: 69 Resp: 230
Ion Ratio Lower Upper
69 100
41 209.6 49.5 74.3#
39 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 64.491 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Tgt Ion: 95 Resp: 573116
Ion Ratio Lower Upper
95 100
174 72.5 0.0 140.0
176 69.7 0.0 136.2

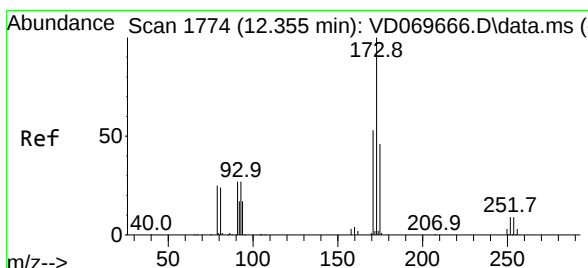
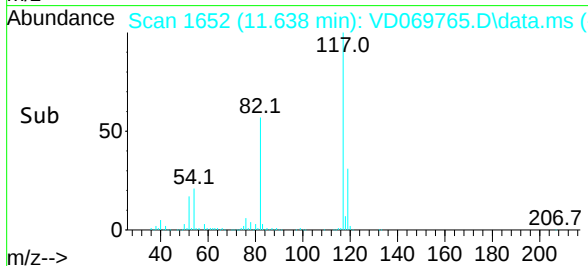
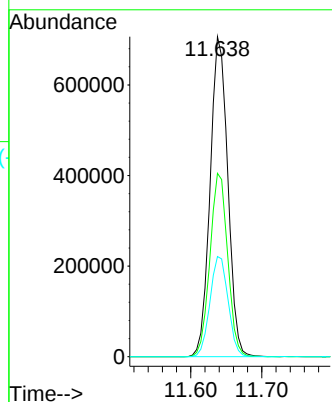
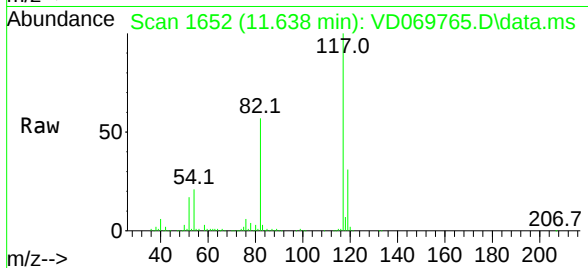




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

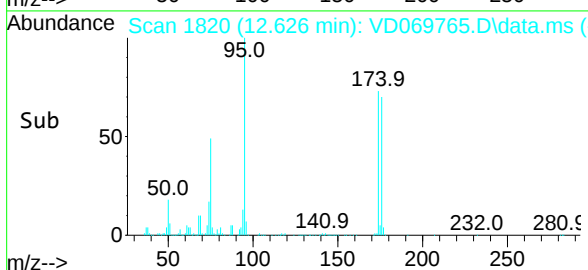
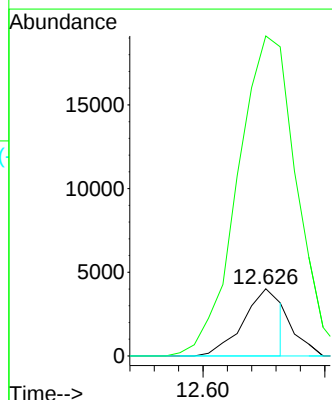
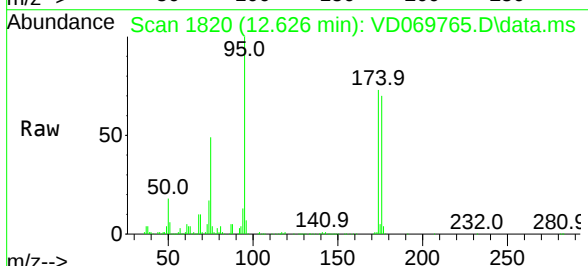
Instrument :
MSVOA_D
ClientSampleId :

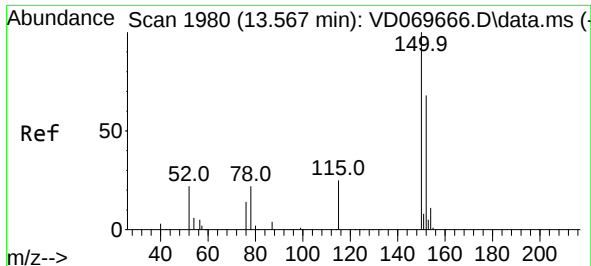
Tgt Ion:117 Resp: 1218584
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.3 25.5 38.3



#71
Bromoform
Concen: 1.044 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Tgt Ion:173 Resp: 4400
Ion Ratio Lower Upper
173 100
175 575.5 24.2 72.6#
254 0.0 0.1 0.1#

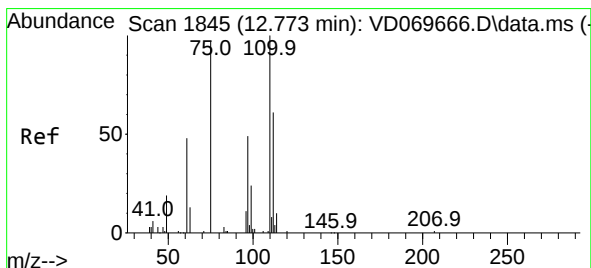
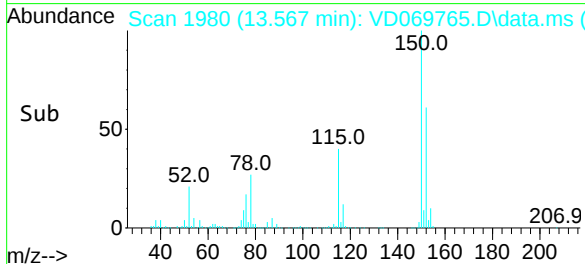
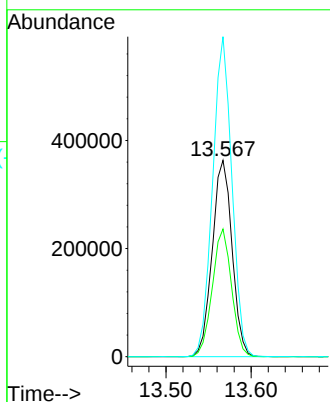
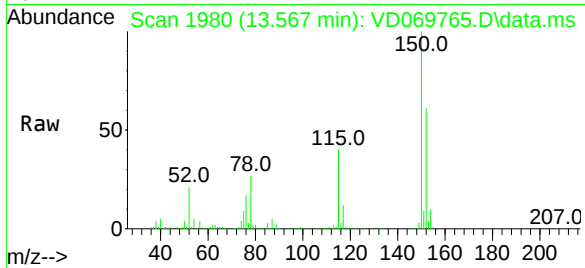




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

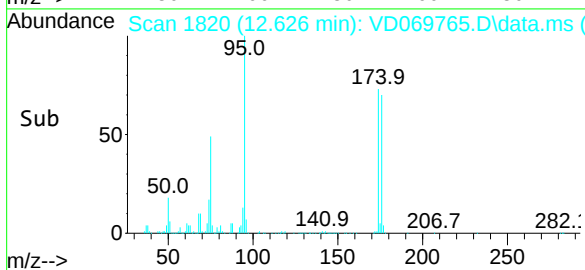
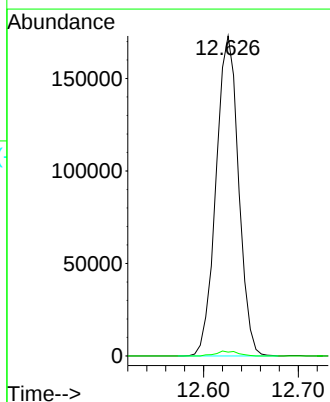
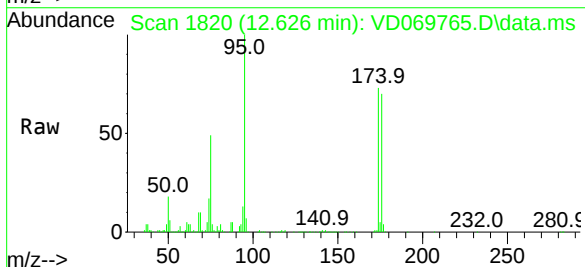
Instrument :
MSVOA_D
ClientSampleId :

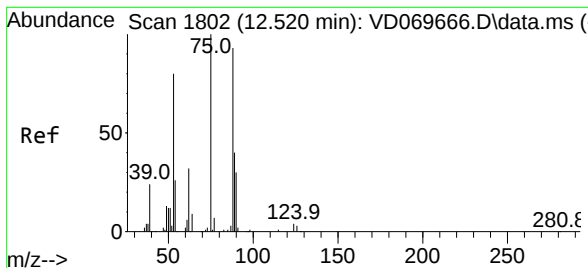
Tgt Ion:152 Resp: 587153
Ion Ratio Lower Upper
152 100
115 63.1 31.7 95.1
150 158.5 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 50.158 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Tgt Ion: 75 Resp: 286100
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

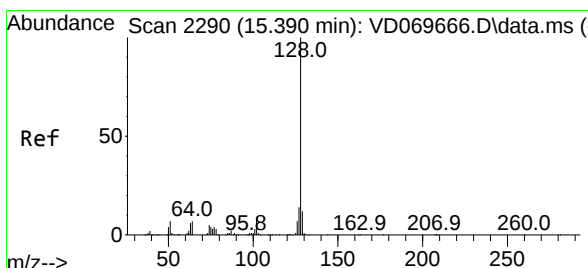
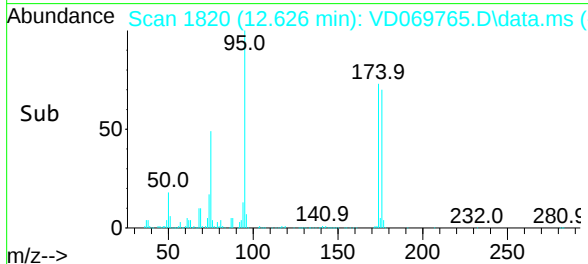
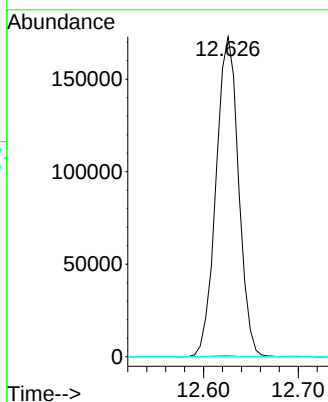
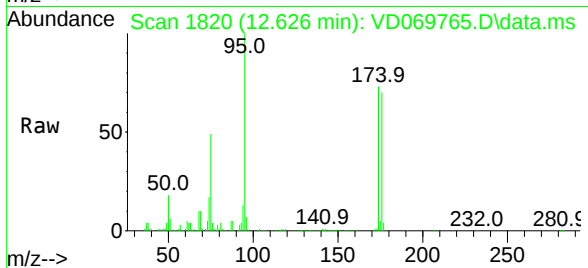




#81
trans-1,4-Dichloro-2-butene
Concen: 134.796 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 286100
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.263 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069765.D
Acq: 20 Jul 2021 12:59

Tgt Ion: 128 Resp: 1121
Ion Ratio Lower Upper
128 100
127 5.0 10.6 16.0#
129 5.0 8.8 13.2#

