

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069769.D
 Acq On : 20 Jul 2021 14:53
 Operator : VA/SY
 Sample : M3047-02
 Misc : 6.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:25:36 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)

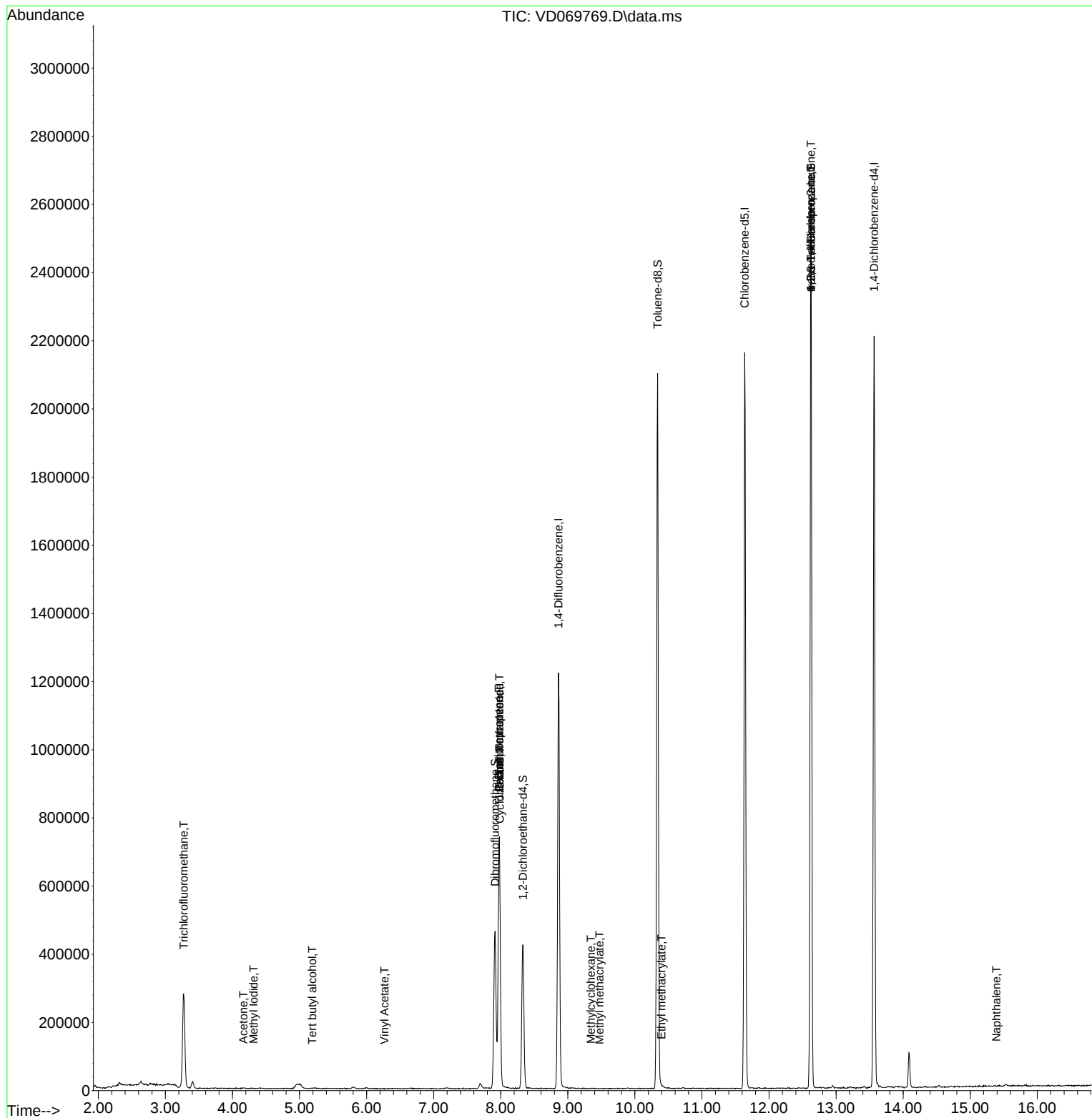
Internal Standards						
1) Pentafluorobenzene	7.979	168	520010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1033564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1239869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	571894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	338225	52.091	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.180%	
35) Dibromofluoromethane	7.914	113	348157	50.210	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.420%	
50) Toluene-d8	10.338	98	1389864	51.594	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.180%	
62) 4-Bromofluorobenzene	12.626	95	622901	69.332	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 138.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	1289	Below Cal		99
5) Bromomethane	2.791	94	2974	Below Cal		88
7) Trichlorofluoromethane	3.273	101	301703	30.245	ug/l	99
10) Methyl Iodide	4.315	142	1517	2.692	ug/l #	60
11) Tert butyl alcohol	5.191	59	977	1.126	ug/l #	79
16) Acetone	4.162	43	2780	14.977	ug/l #	75
18) Methyl Acetate	4.773	43	162	Below Cal	#	49
20) Methylene Chloride	4.962	84	9653	Below Cal	#	86
23) Vinyl Acetate	6.267	43	80	15.432	ug/l #	72
31) Cyclohexane	7.985	56	12803	1.554	ug/l #	22
36) 1,1-Dichloropropene	7.973	75	48966	4.592	ug/l #	50
38) Carbon Tetrachloride	7.979	117	56166	5.752	ug/l #	18
39) Methylcyclohexane	9.344	83	282	1.980	ug/l #	16
48) Methyl methacrylate	9.473	41	61	1.118	ug/l #	13
56) Ethyl methacrylate	10.397	69	78	1.675	ug/l #	60
76) 1,2,3-Trichloropropane	12.626	75	315957	56.870	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	315957	152.835	ug/l #	15
95) Naphthalene	15.390	128	776	2.246	ug/l #	69

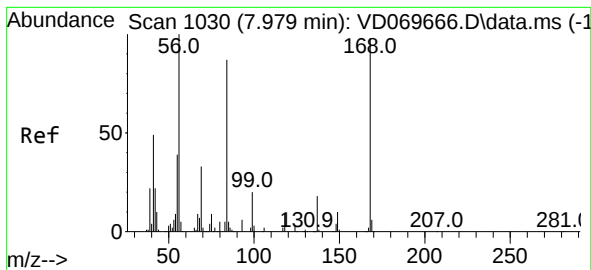
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 21 03:25:36 2021
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Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

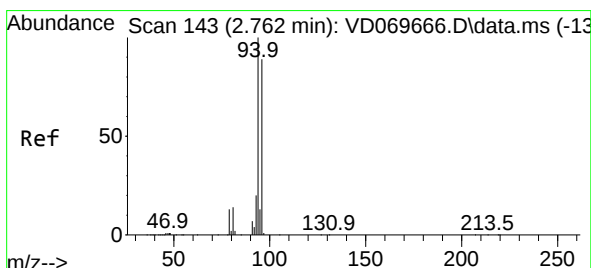
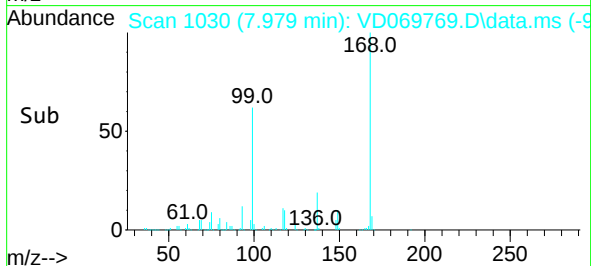
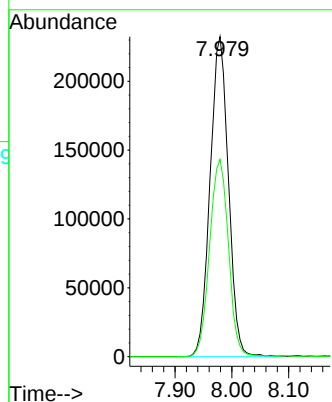
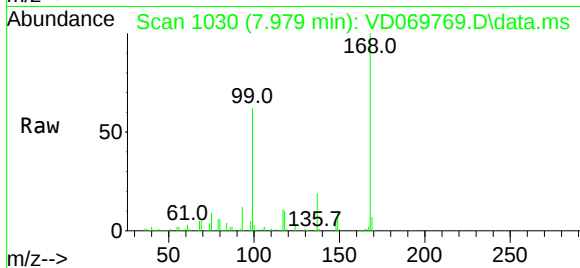




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

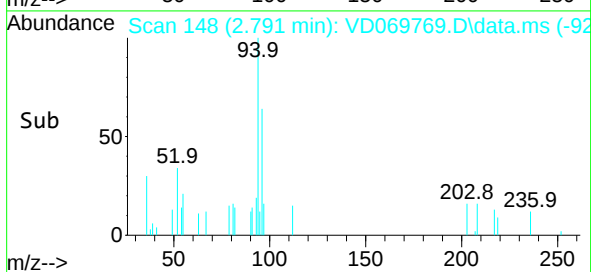
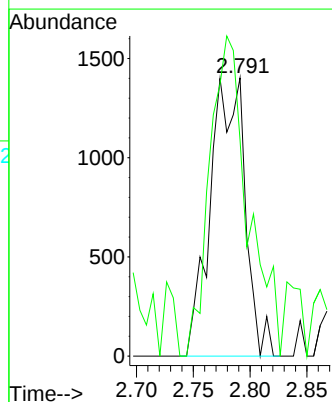
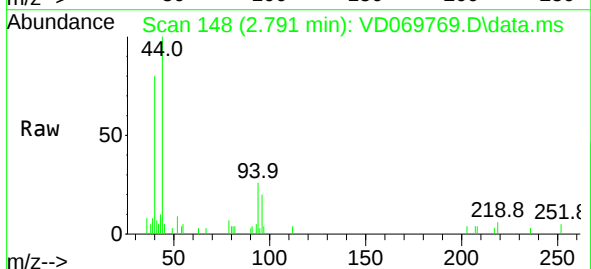
Instrument :
MSVOA_D
ClientSampleId :

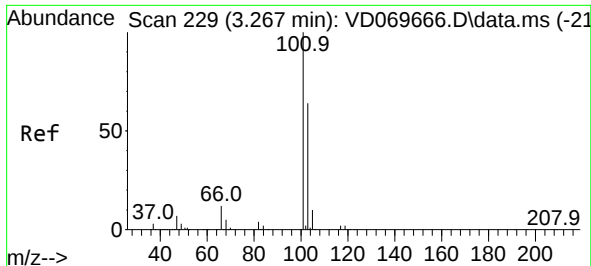
Tgt Ion:168 Resp: 520010
Ion Ratio Lower Upper
168 100
99 61.6 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

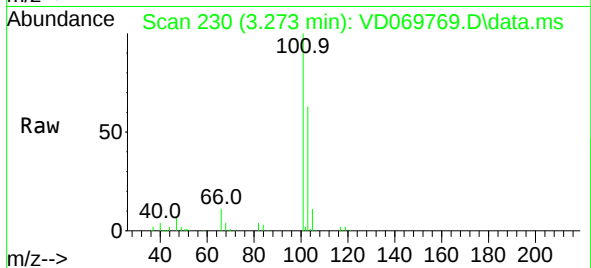
Tgt Ion: 94 Resp: 2974
Ion Ratio Lower Upper
94 100
96 77.7 71.2 106.8



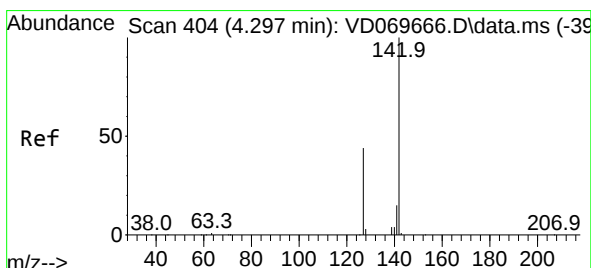
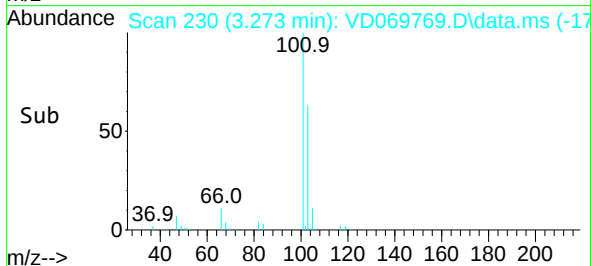
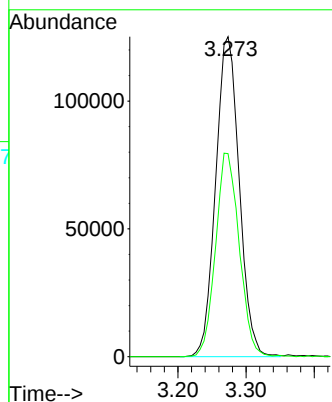


#7
 Trichlorofluoromethane
 Concen: 30.245 ug/l
 RT: 3.273 min Scan# 230
 Delta R.T. 0.006 min
 Lab File: VD069769.D
 Acq: 20 Jul 2021 14:53

Instrument :
 MSVOA_D
 ClientSampled :

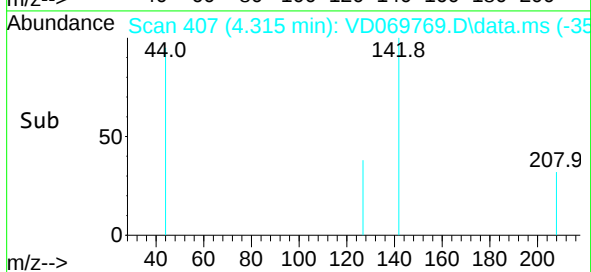
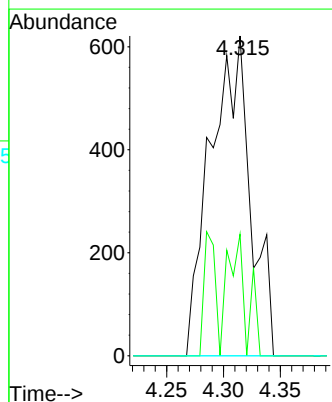
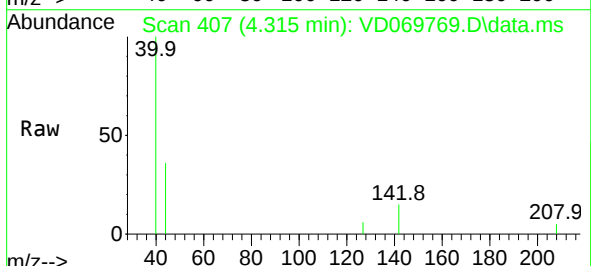


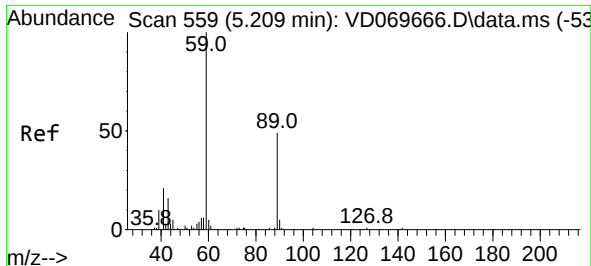
Tgt Ion:101 Resp: 301703
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.4 77.0



#10
 Methyl Iodide
 Concen: 2.692 ug/l
 RT: 4.315 min Scan# 407
 Delta R.T. 0.018 min
 Lab File: VD069769.D
 Acq: 20 Jul 2021 14:53

Tgt Ion:142 Resp: 1517
 Ion Ratio Lower Upper
 142 100
 127 17.9 36.1 54.1#
 141 0.0 11.6 17.4#

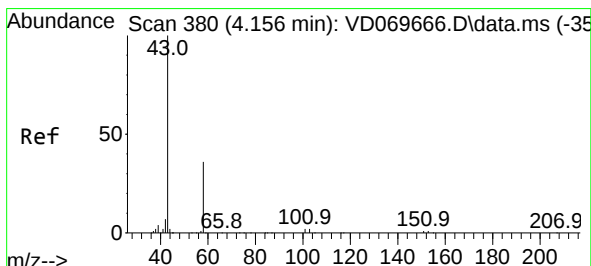
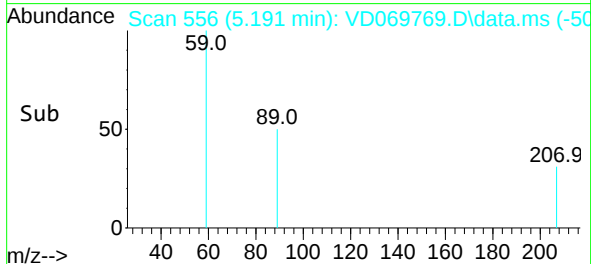
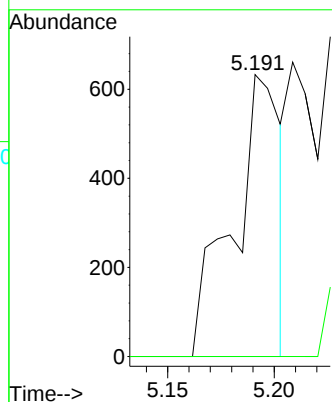
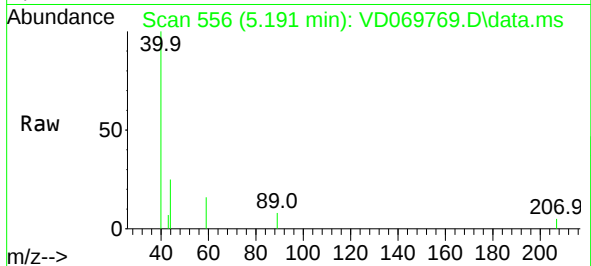




#11
Tert butyl alcohol
Concen: 1.126 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

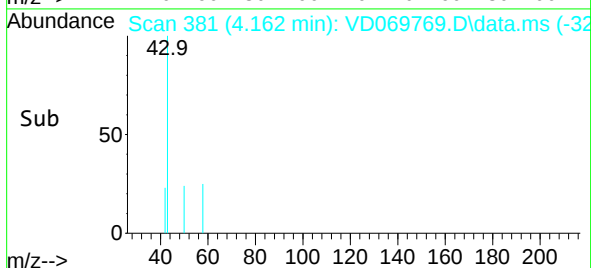
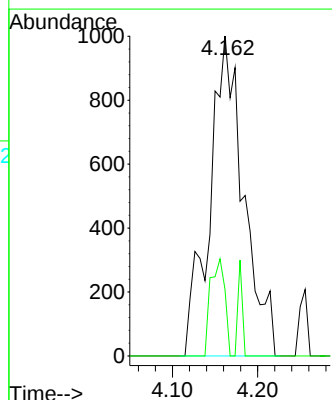
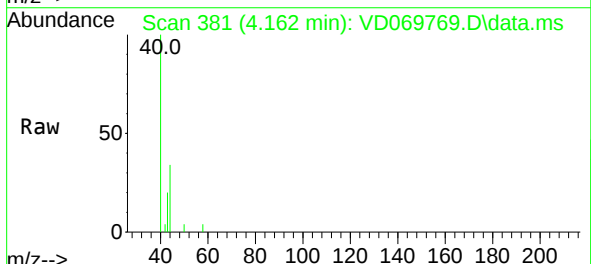
Instrument :
MSVOA_D
ClientSampleId :

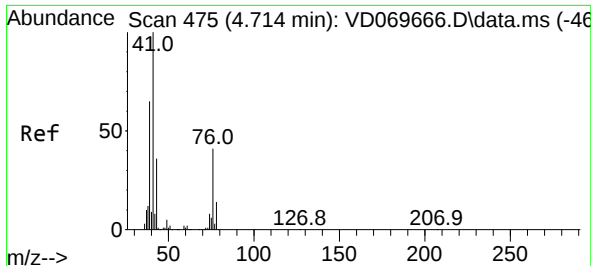
Tgt Ion: 59 Resp: 977
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



#16
Acetone
Concen: 14.977 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
58 20.8 28.6 42.8#

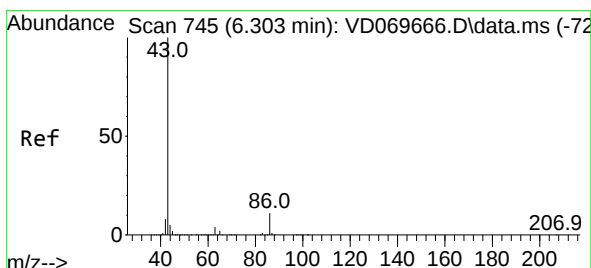
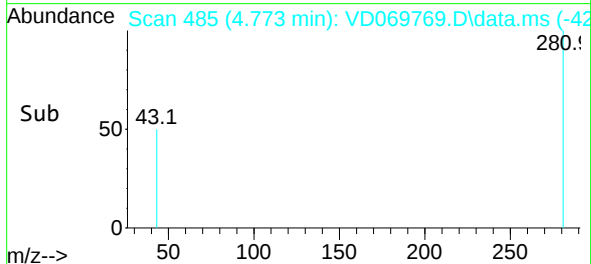
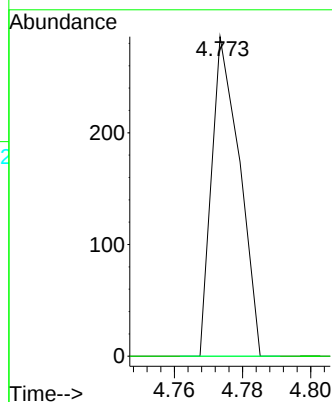
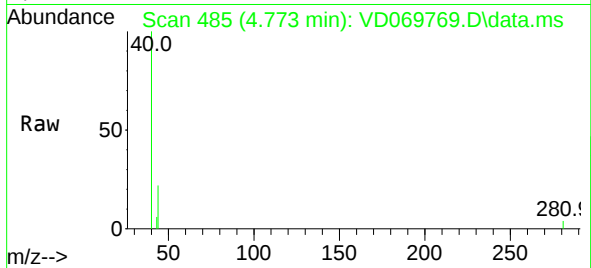




#18
Methyl Acetate
Concen: Below Cal
RT: 4.773 min Scan# 485
Delta R.T. 0.059 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

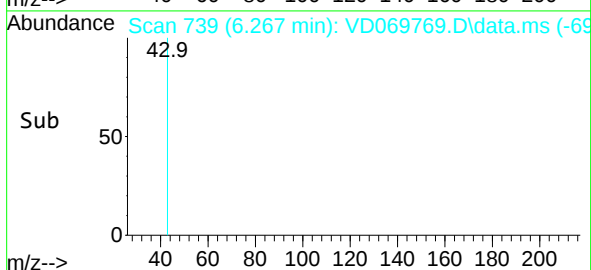
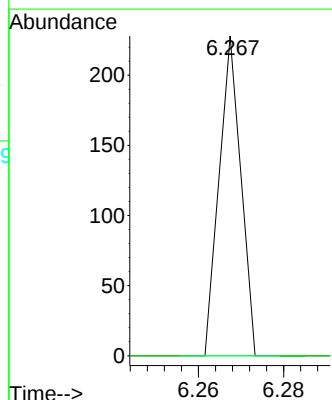
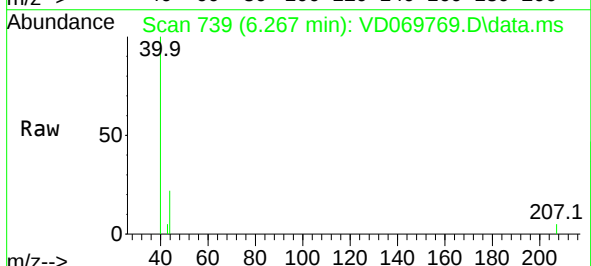
Instrument :
MSVOA_D
ClientSampled :

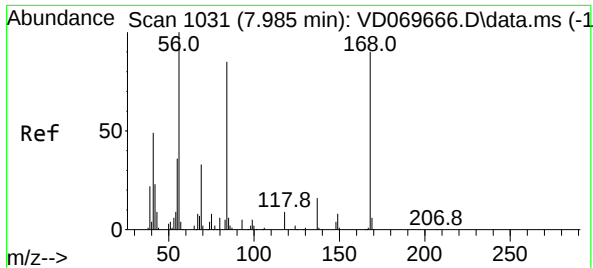
Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.432 ug/l
RT: 6.267 min Scan# 739
Delta R.T. -0.036 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

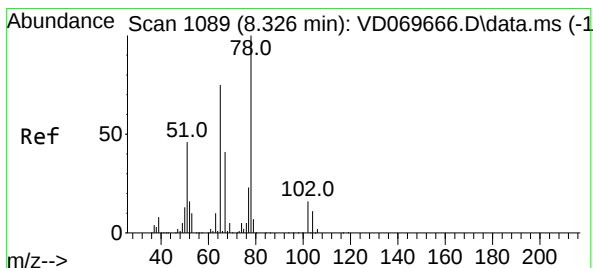
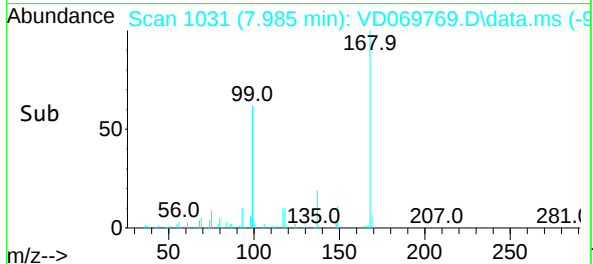
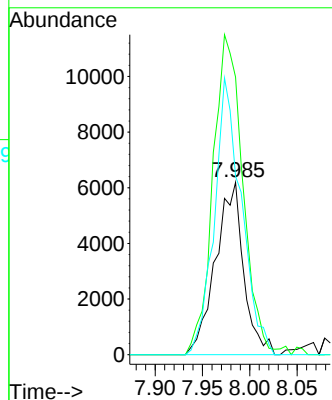
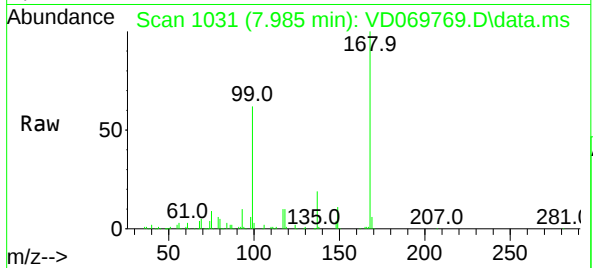




#31
Cyclohexane
Concen: 1.554 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

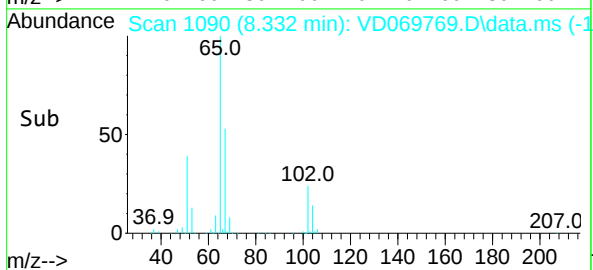
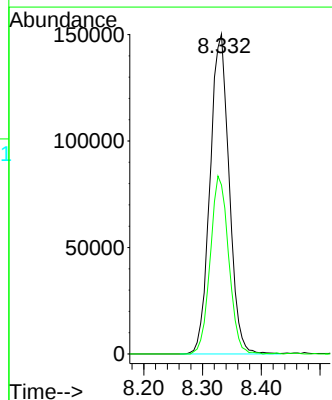
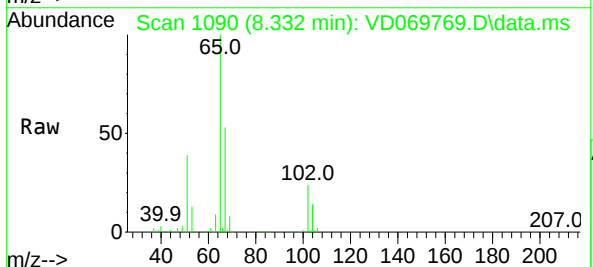
Instrument :
MSVOA_D
ClientSampleId :

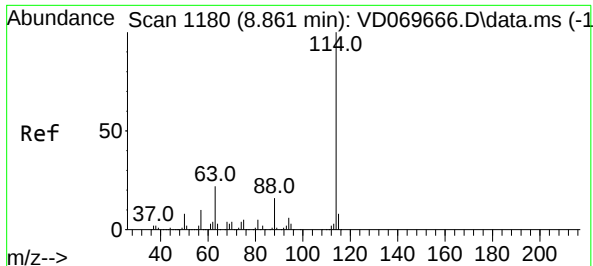
Tgt Ion: 56 Resp: 12803
Ion Ratio Lower Upper
56 100
69 161.1 26.6 39.8#
84 103.5 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 52.091 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Tgt Ion: 65 Resp: 338225
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.2



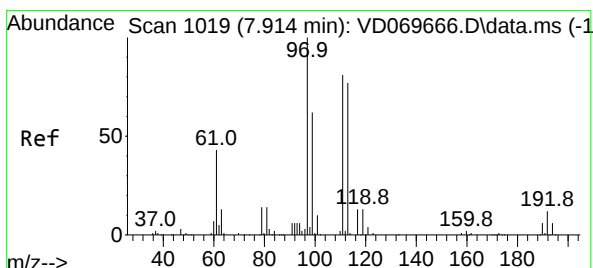
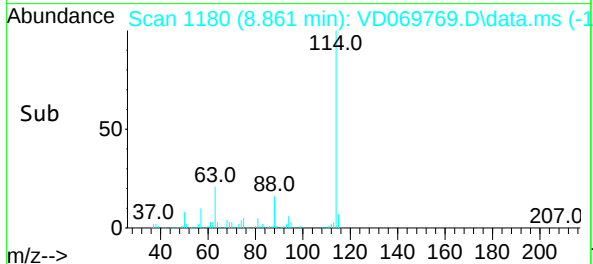
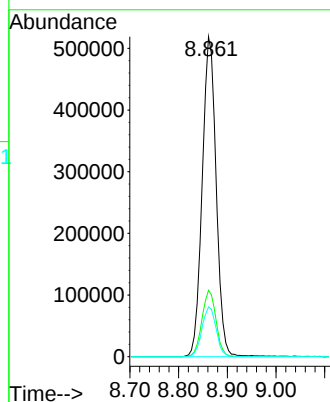
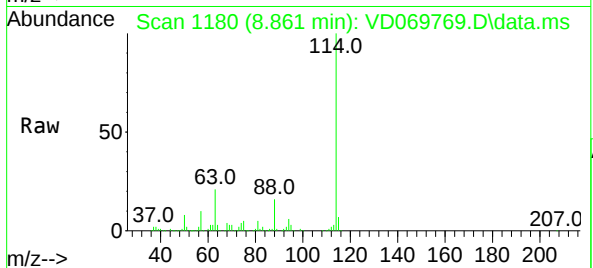


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampled :

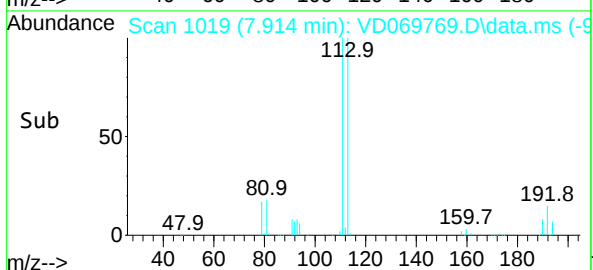
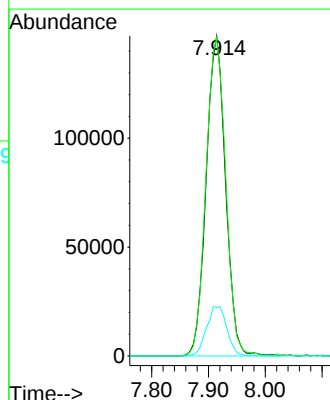
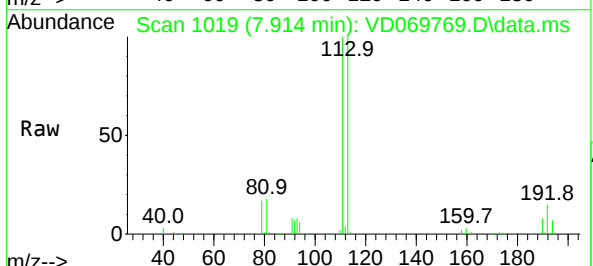
Tgt Ion:114 Resp: 1033564
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.4
88 15.6 0.0 32.0

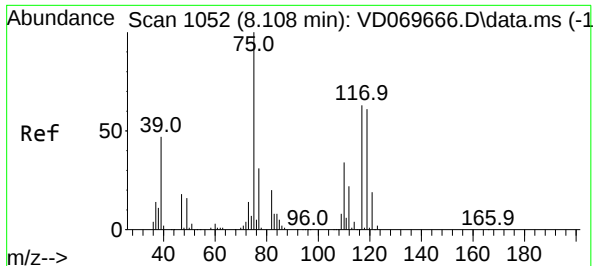


#35

Dibromofluoromethane
Concen: 50.210 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Tgt Ion:113 Resp: 348157
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 16.2 12.7 19.1



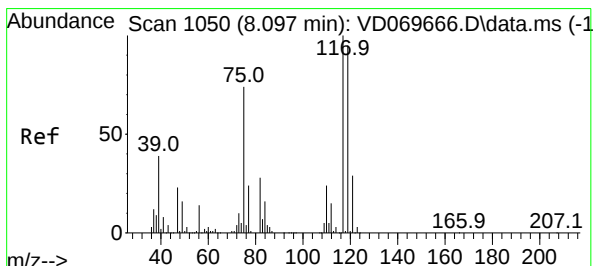
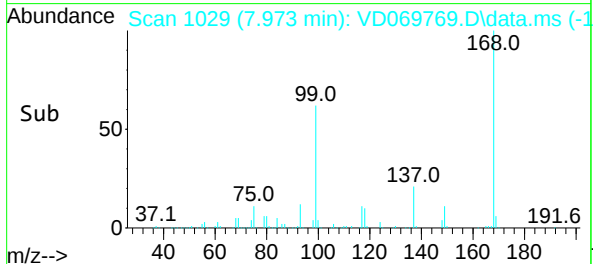
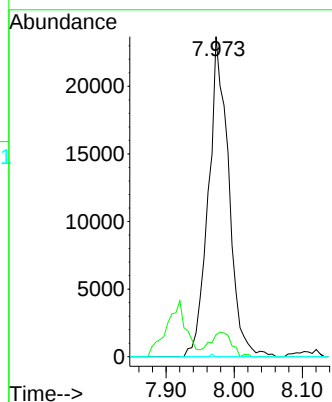
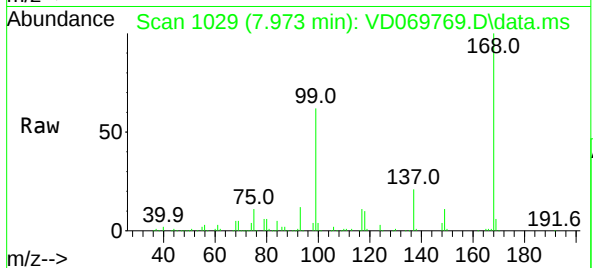


#36

1,1-Dichloropropene
Concen: 4.592 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampled :

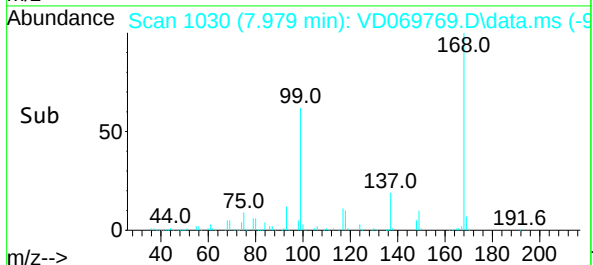
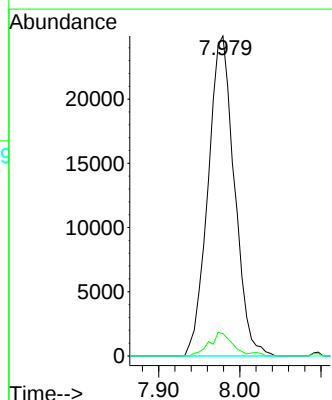
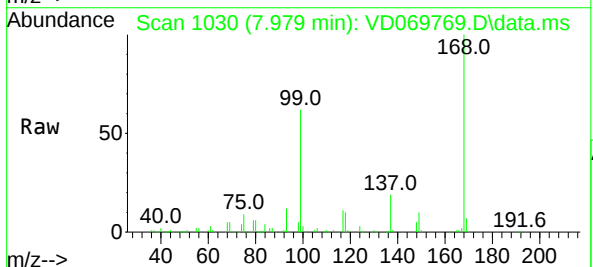
Tgt Ion: 75 Resp: 48966
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.0#
77 0.1 25.3 37.9#

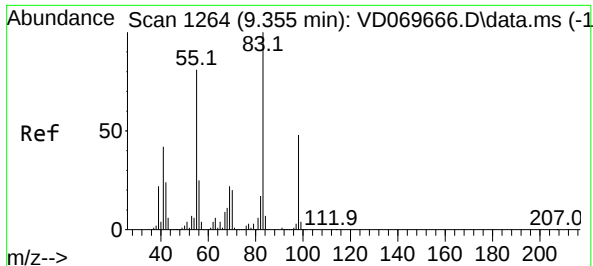


#38

Carbon Tetrachloride
Concen: 5.752 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Tgt Ion: 117 Resp: 56166
Ion Ratio Lower Upper
117 100
119 7.0 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.980 ug/l

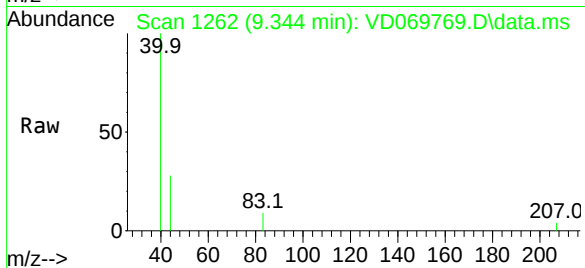
RT: 9.344 min Scan# 1262

Delta R.T. -0.011 min

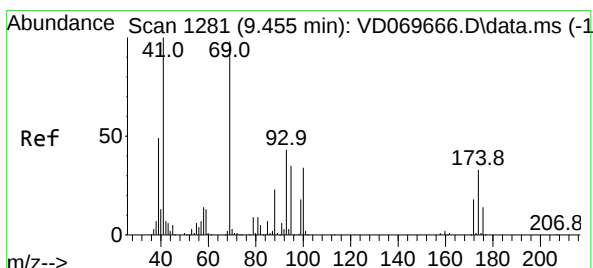
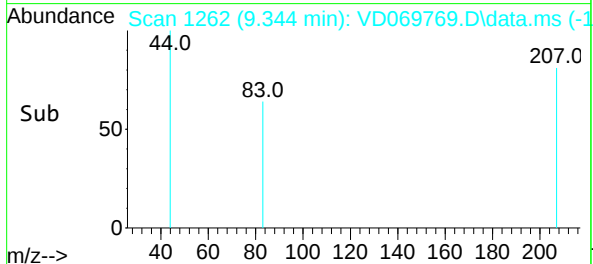
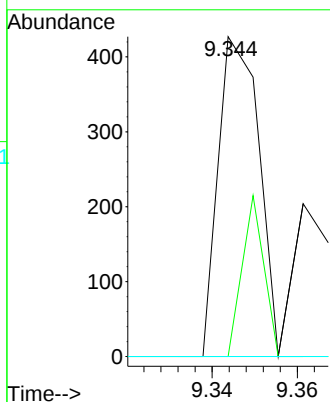
Lab File: VD069769.D

Acq: 20 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 83	Resp: 282
Ion Ratio	Lower Upper
83 100	
55 0.0	64.6 97.0#
98 0.0	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.118 ug/l

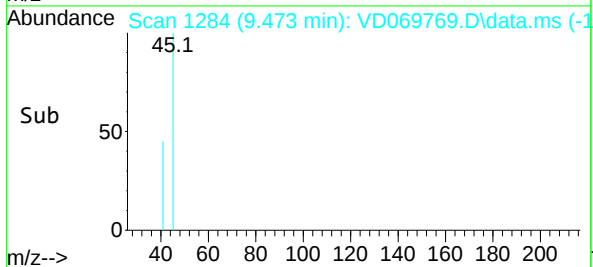
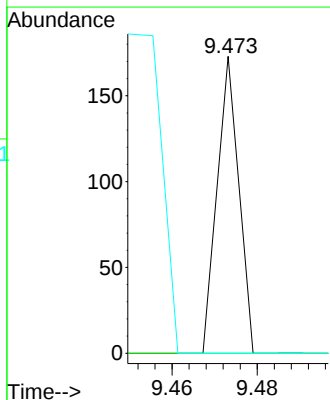
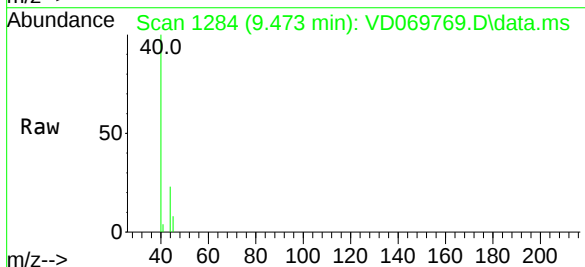
RT: 9.473 min Scan# 1284

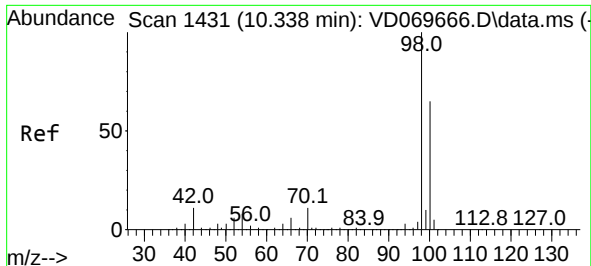
Delta R.T. 0.018 min

Lab File: VD069769.D

Acq: 20 Jul 2021 14:53

Tgt Ion: 41	Resp: 61
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 0.0	36.7 55.1#

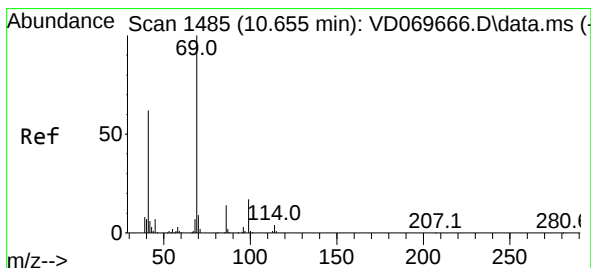
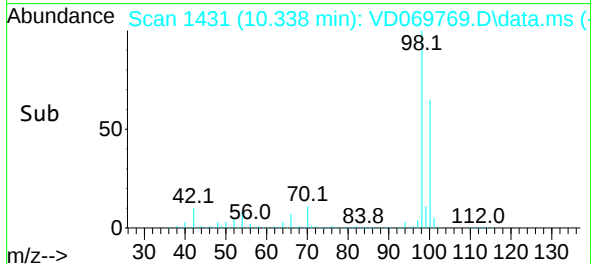
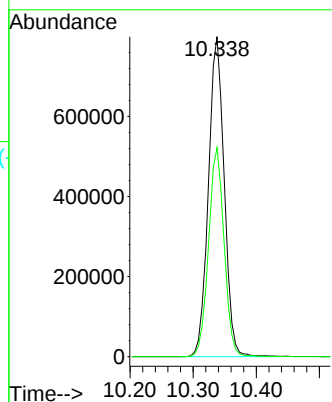
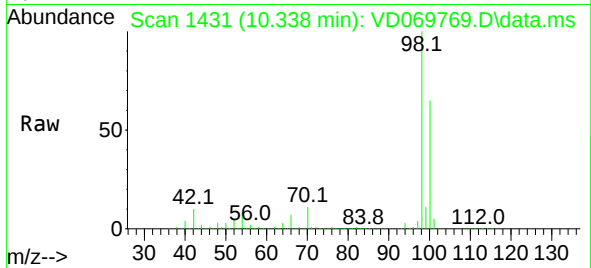




#50
Toluene-d8
Concen: 51.594 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

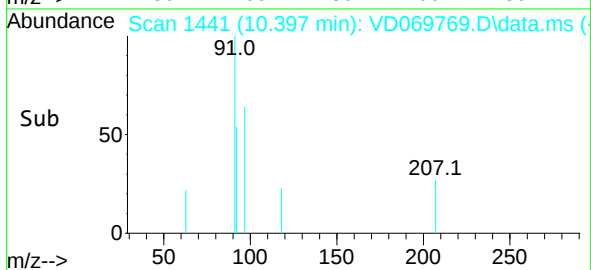
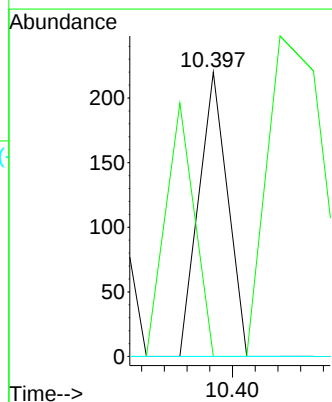
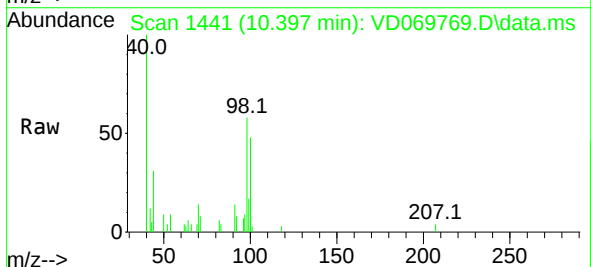
Instrument :
MSVOA_D
ClientSampleId :

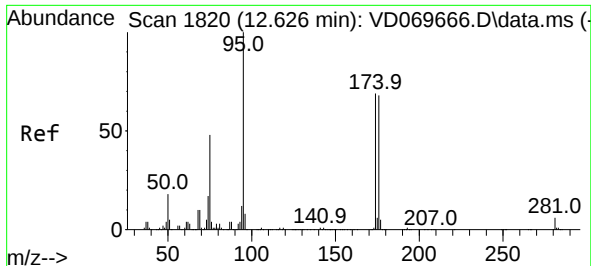
Tgt Ion: 98 Resp: 1389864
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.675 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.258 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Tgt Ion: 69 Resp: 78
Ion Ratio Lower Upper
69 100
41 88.5 49.5 74.3#
39 0.0 22.5 33.7#

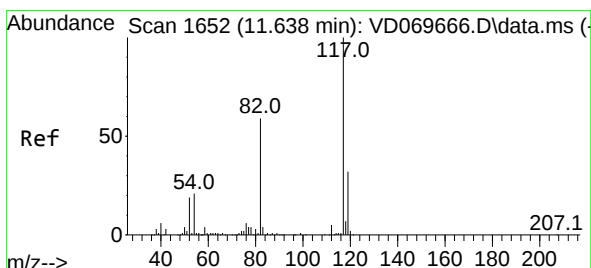
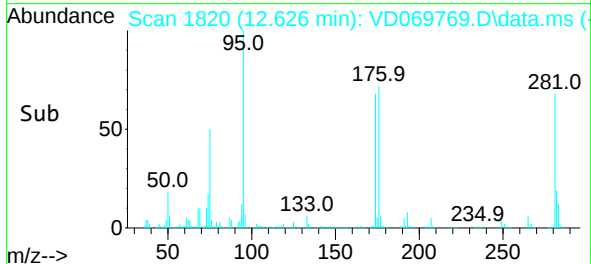
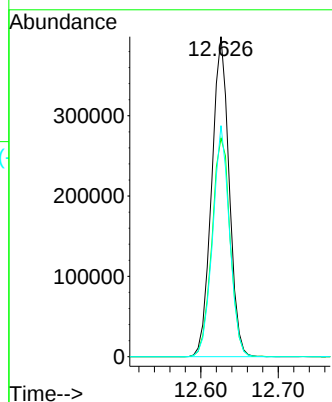
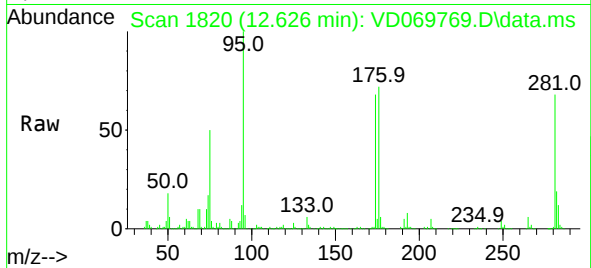




#62
4-Bromofluorobenzene
Concen: 69.332 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

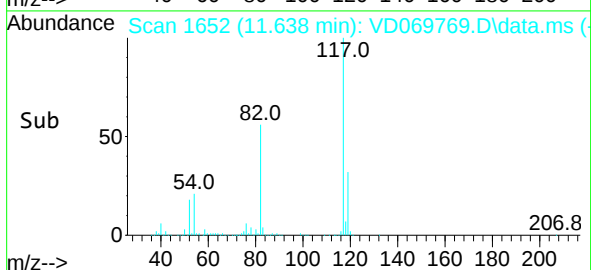
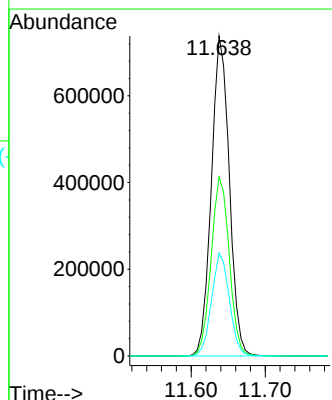
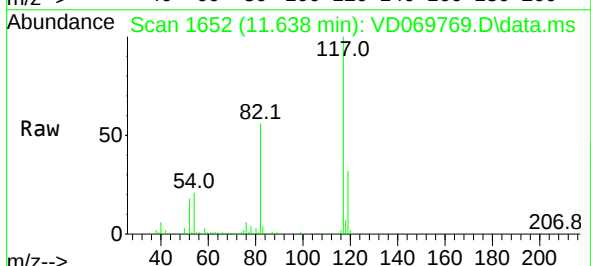
Instrument :
MSVOA_D
ClientSampleId :

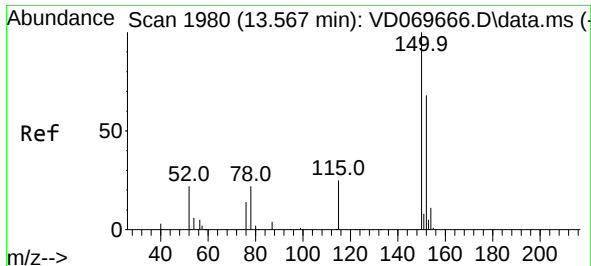
Tgt Ion: 95 Resp: 622901
Ion Ratio Lower Upper
95 100
174 71.4 0.0 140.0
176 69.6 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Tgt Ion: 117 Resp: 1239869
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 32.2 25.5 38.3

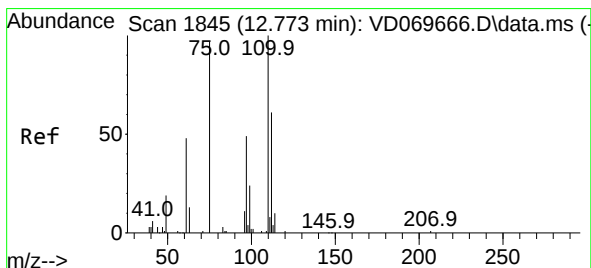
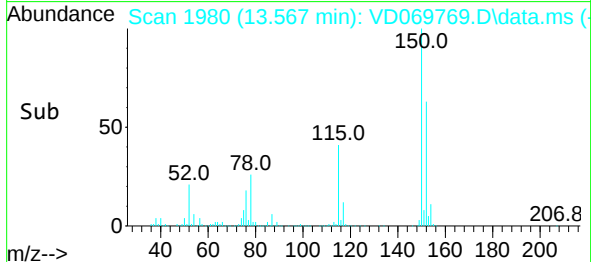
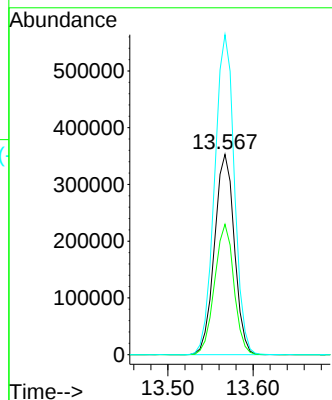
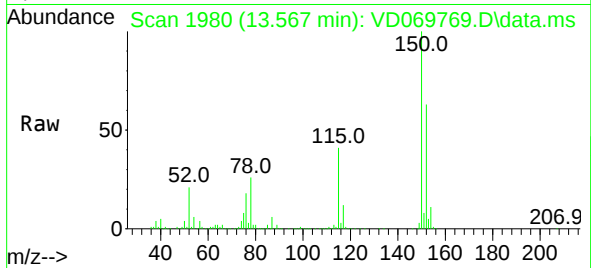




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069769.D
 Acq: 20 Jul 2021 14:53

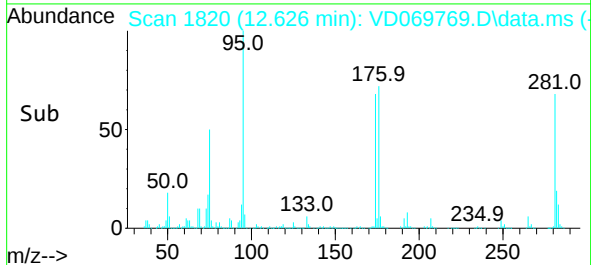
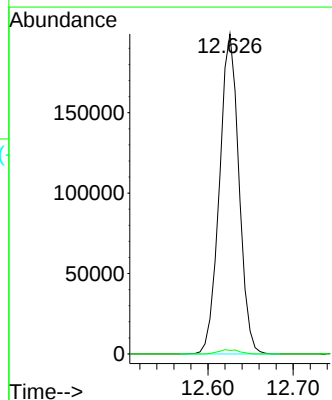
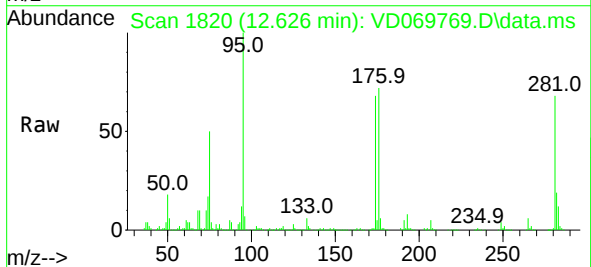
Instrument :
 MSVOA_D
 ClientSampleId :

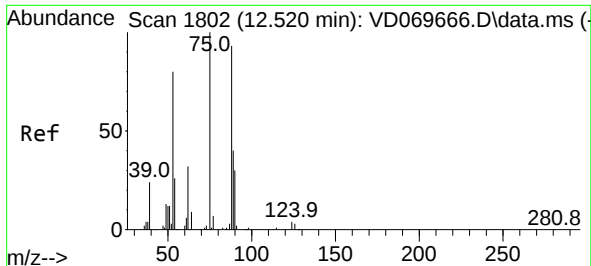
Tgt Ion:152 Resp: 571894
 Ion Ratio Lower Upper
 152 100
 115 63.3 31.7 95.1
 150 159.1 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 56.870 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069769.D
 Acq: 20 Jul 2021 14:53

Tgt Ion: 75 Resp: 315957
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

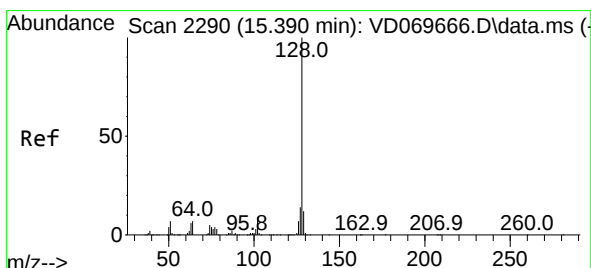
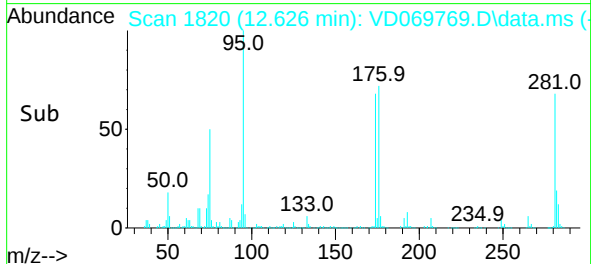
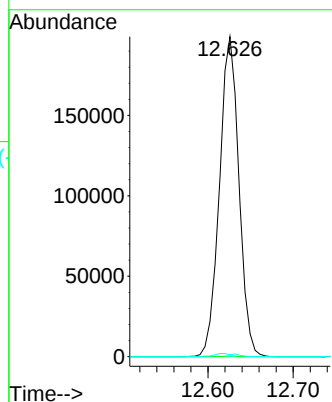
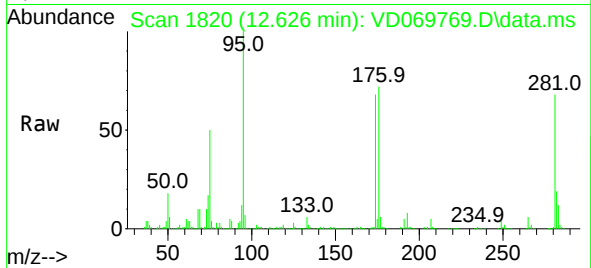




#81
trans-1,4-Dichloro-2-butene
Concen: 152.835 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 315957
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 1.1 35.1 52.7#



#95
Naphthalene
Concen: 2.246 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069769.D
Acq: 20 Jul 2021 14:53

Tgt Ion:128 Resp: 776
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

