

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069692.D
 Acq On : 14 Jul 2021 17:11
 Operator : VA/SY
 Sample : M3012-04
 Misc : 5.05G/5.00ml/MSVOA_D/soil
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 03:31:21 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)

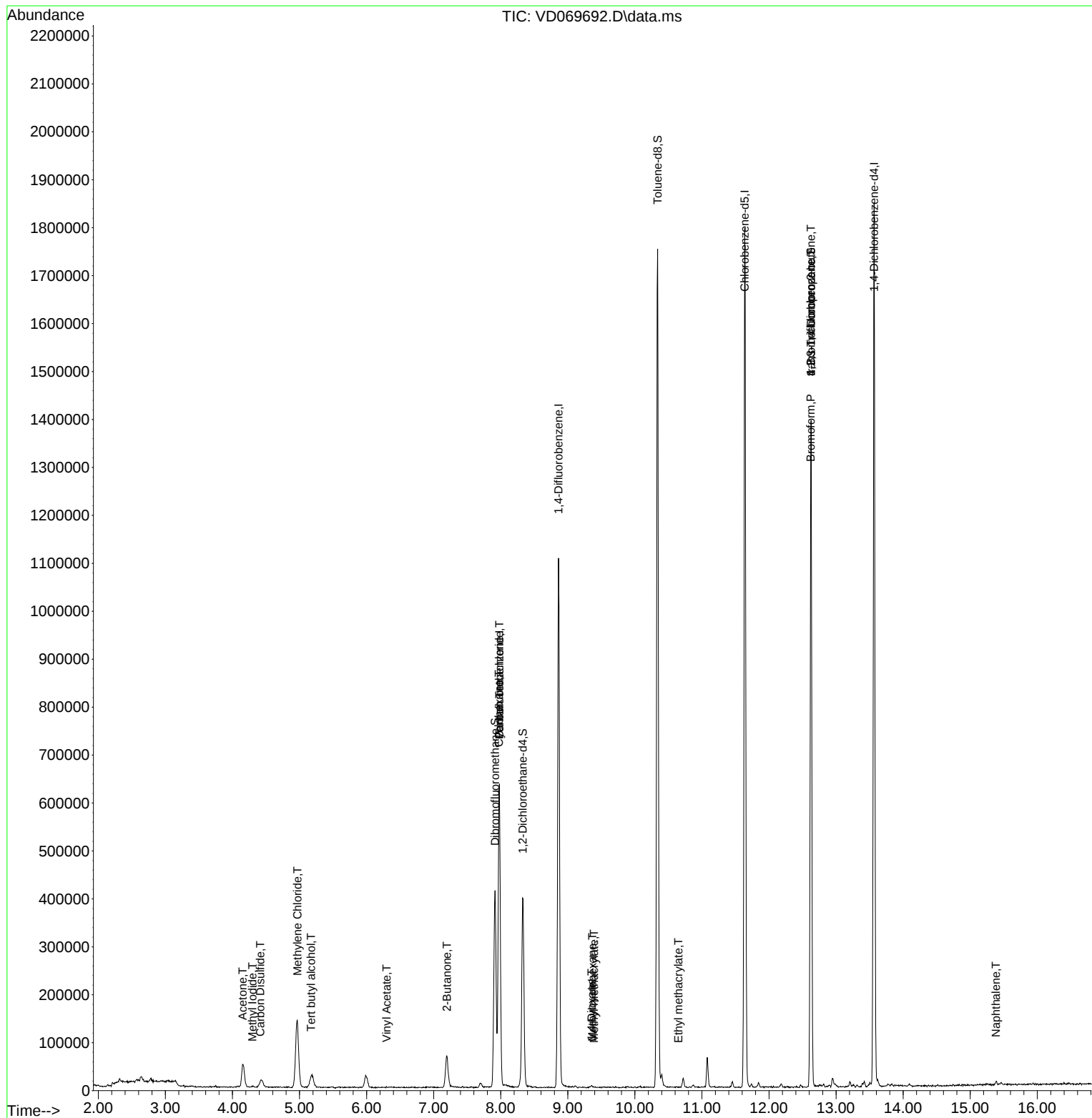
Internal Standards						
1) Pentafluorobenzene	7.979	168	434747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	902688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1029760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	468016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	315664	58.151	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.300%	
35) Dibromofluoromethane	7.914	113	308785	50.989	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.980%	
50) Toluene-d8	10.338	98	1206251	51.270	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.626	95	479413	61.098	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 122.200%	
Target Compounds						Qvalue
5) Bromomethane	2.773	94	4339	Below Cal	88	
10) Methyl Iodide	4.297	142	2416	2.893 ug/l	#	88
11) Tert butyl alcohol	5.173	59	11295	15.573 ug/l	#	81
16) Acetone	4.150	43	89583	86.252 ug/l		90
17) Carbon Disulfide	4.415	76	10810	1.076 ug/l	#	84
18) Methyl Acetate	4.703	43	134	Below Cal	#	49
20) Methylene Chloride	4.967	84	113835	10.731 ug/l		96
23) Vinyl Acetate	6.297	43	189	15.445 ug/l	#	72
25) 2-Butanone	7.197	43	3543	2.762 ug/l	#	66
31) Cyclohexane	7.973	56	12120	1.706 ug/l	#	1
38) Carbon Tetrachloride	7.979	117	49689	5.827 ug/l	#	18
39) Methylcyclohexane	9.367	83	1755	2.110 ug/l	#	72
48) Methyl methacrylate	9.391	41	215	1.165 ug/l	#	53
49) 1,4-Dioxane	9.355	88	66	102.654 ug/l	#	1
56) Ethyl methacrylate	10.650	69	168	1.691 ug/l	#	41
71) Bromoform	12.620	173	3655	1.026 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	231584	50.935 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.626	75	231584	136.886 ug/l	#	14
95) Naphthalene	15.385	128	5436	2.556 ug/l		96

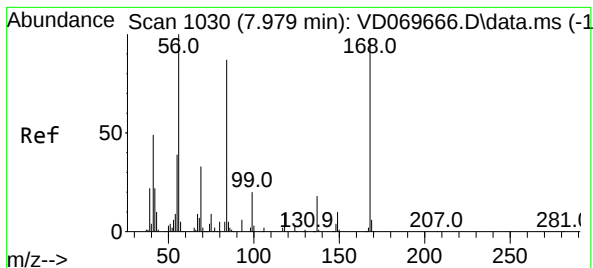
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jul 15 03:31:21 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

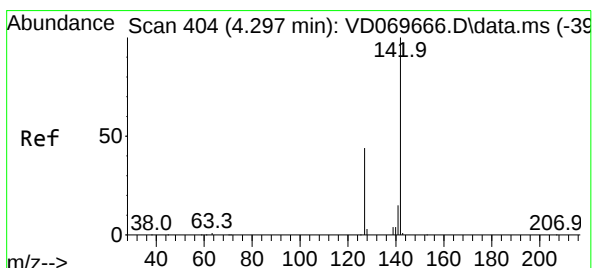
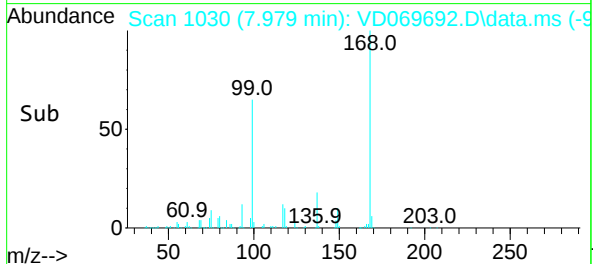
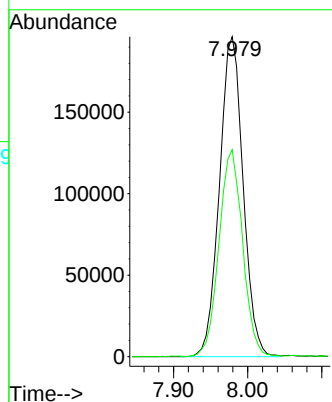
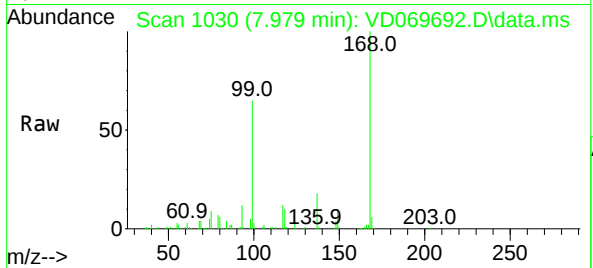




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

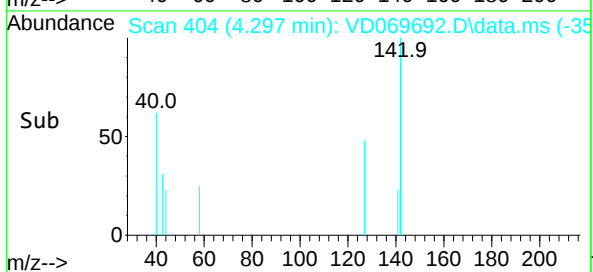
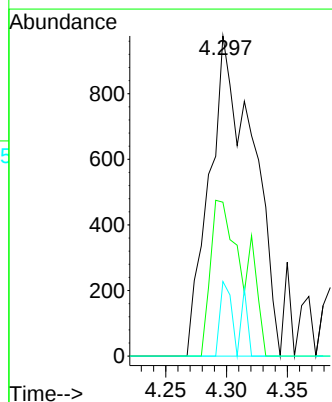
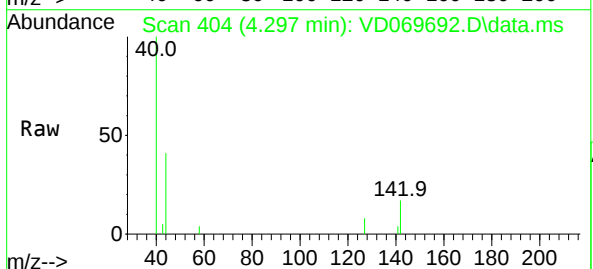
Instrument :
MSVOA_D
ClientSampled :

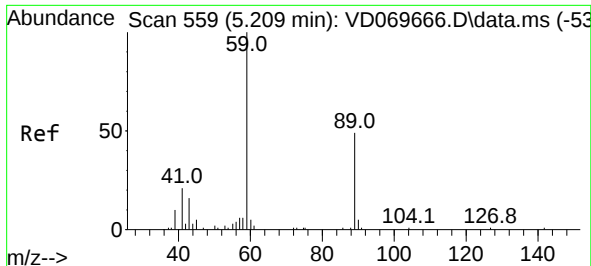
Tgt Ion:168 Resp: 434747
Ion Ratio Lower Upper
168 100
99 64.5 51.8 77.6



#10
Methyl Iodide
Concen: 2.893 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion:142 Resp: 2416
Ion Ratio Lower Upper
142 100
127 37.7 36.1 54.1
141 9.1 11.6 17.4#

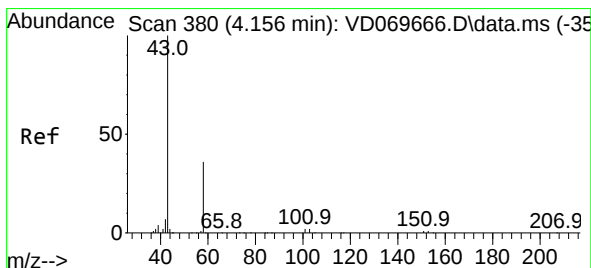
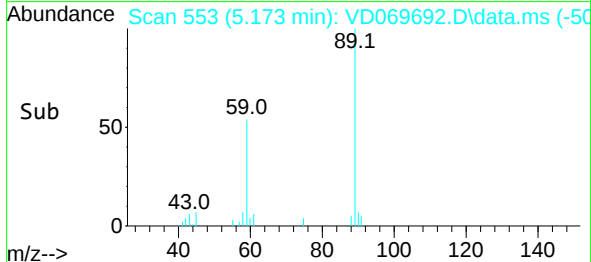
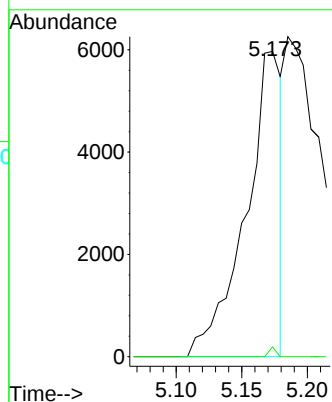
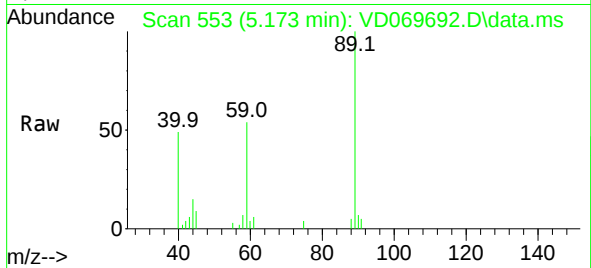




#11
Tert butyl alcohol
Concen: 15.573 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

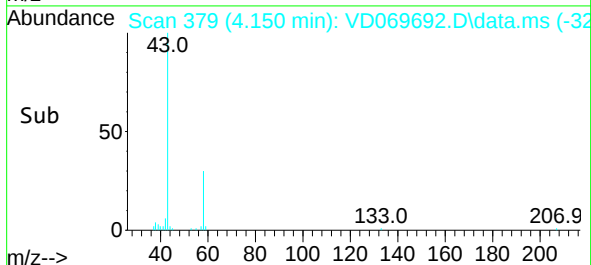
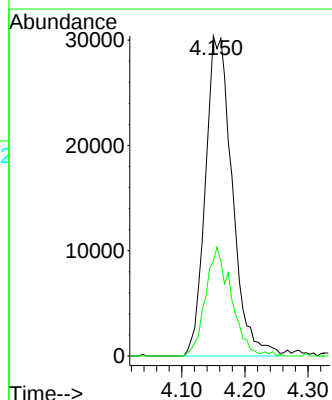
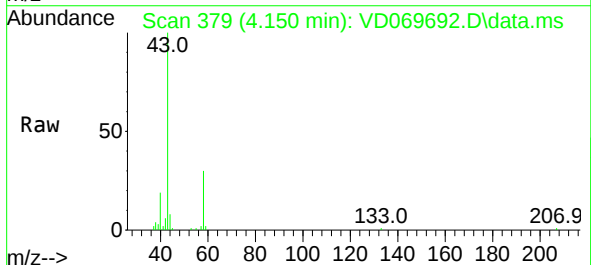
Instrument :
MSVOA_D
ClientSampled :

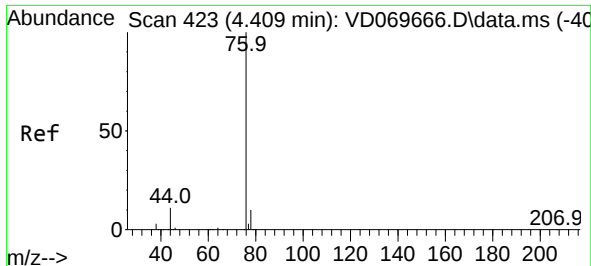
Tgt Ion: 59 Resp: 11295
Ion Ratio Lower Upper
59 100
57 0.6 5.7 8.5#



#16
Acetone
Concen: 86.252 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion: 43 Resp: 89583
Ion Ratio Lower Upper
43 100
58 29.6 28.6 42.8

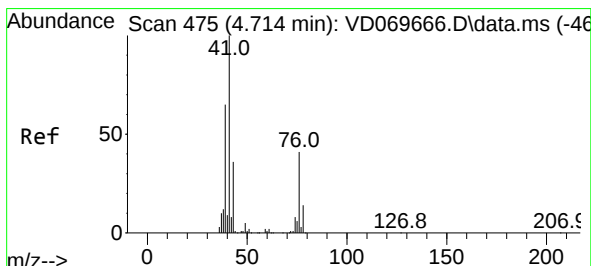
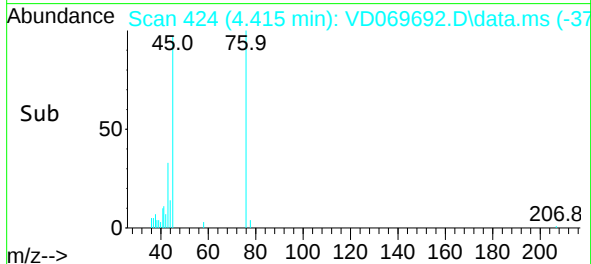
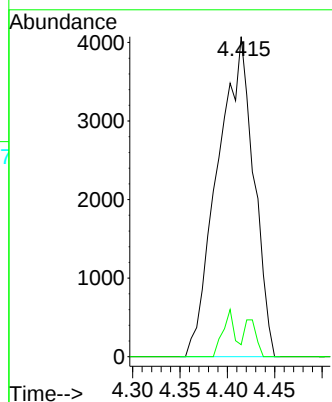
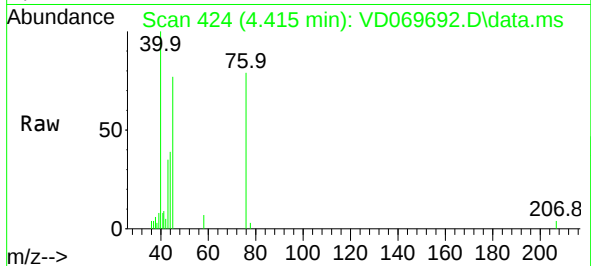




#17
Carbon Disulfide
Concen: 1.076 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

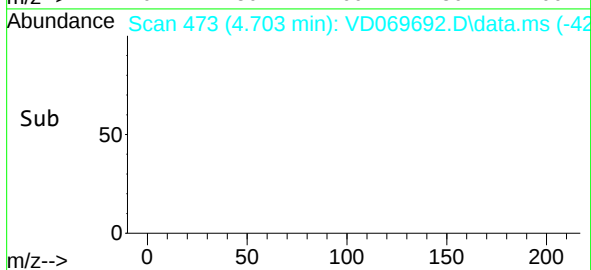
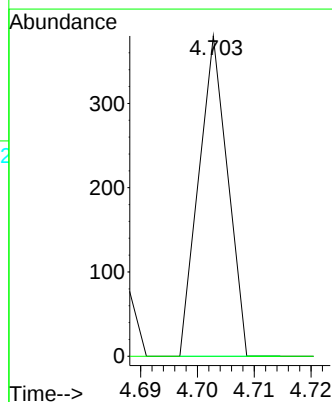
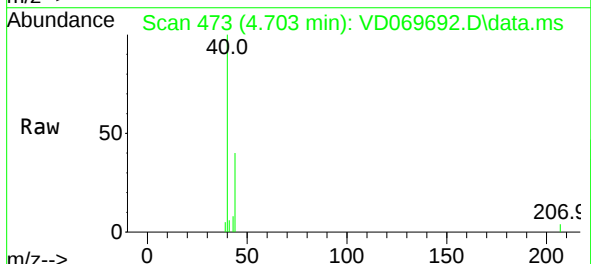
Instrument :
MSVOA_D
ClientSampleId :

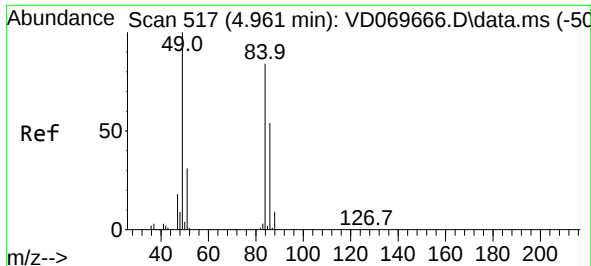
Tgt Ion: 76 Resp: 10810
Ion Ratio Lower Upper
76 100
78 3.8 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.011 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

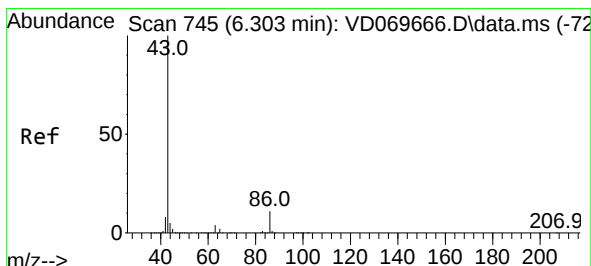
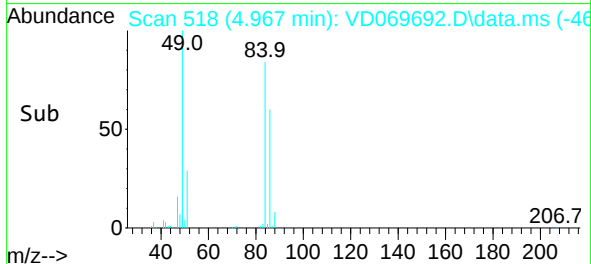
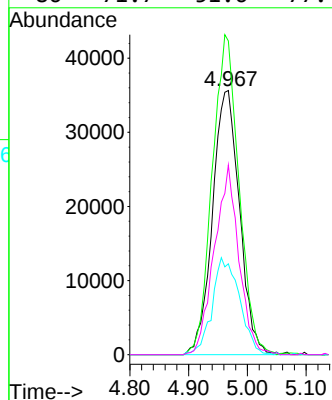
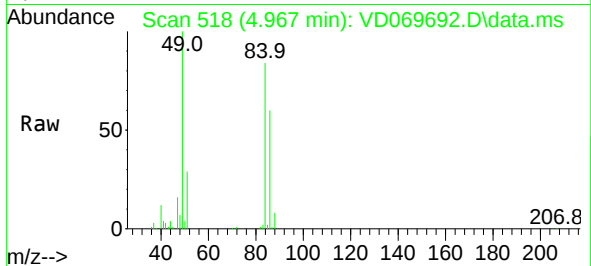




#20
Methylene Chloride
Concen: 10.731 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

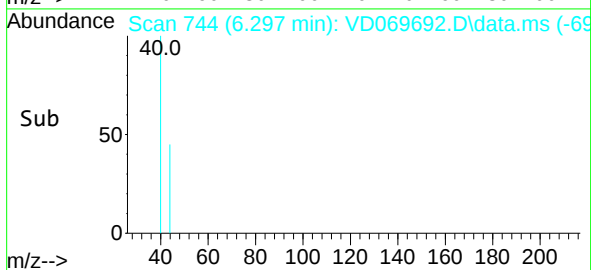
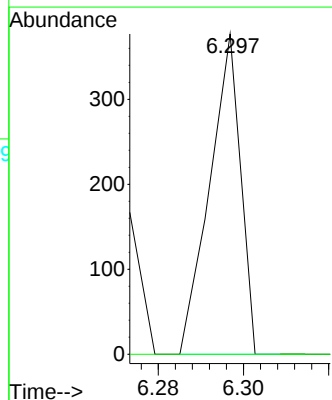
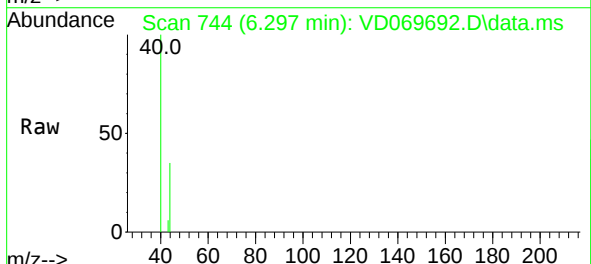
Instrument :
MSVOA_D
ClientSampleId :

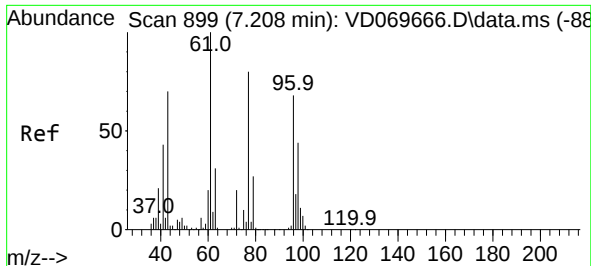
Tgt Ion: 84 Resp: 113835
Ion Ratio Lower Upper
84 100
49 118.8 95.5 143.3
51 34.4 29.7 44.5
86 71.7 51.6 77.4



#23
Vinyl Acetate
Concen: 15.445 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

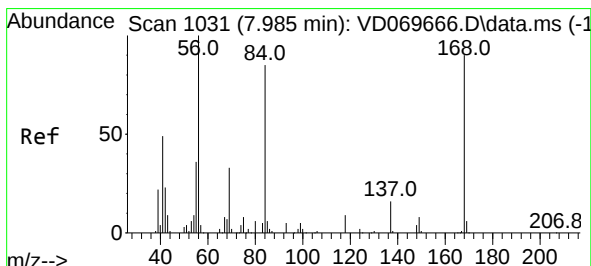
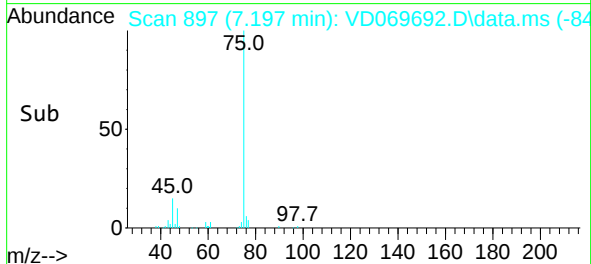
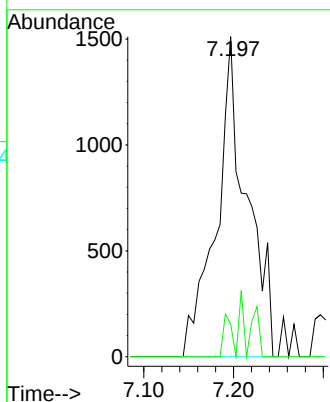
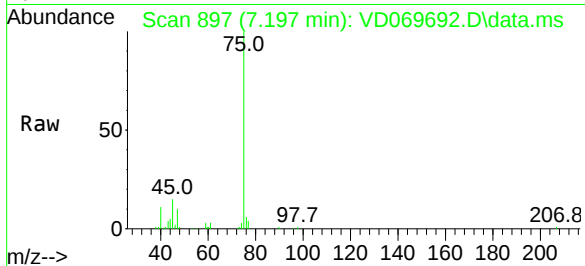




#25
2-Butanone
Concen: 2.762 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

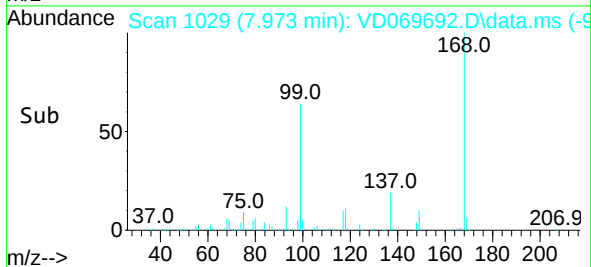
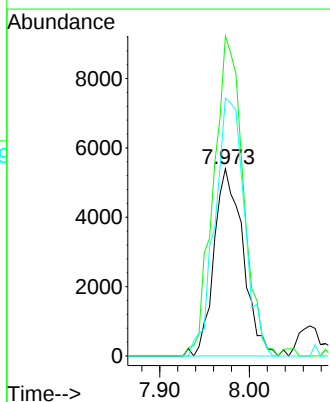
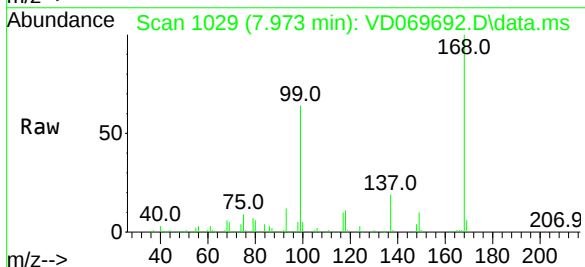
Instrument :
MSVOA_D
ClientSampled :

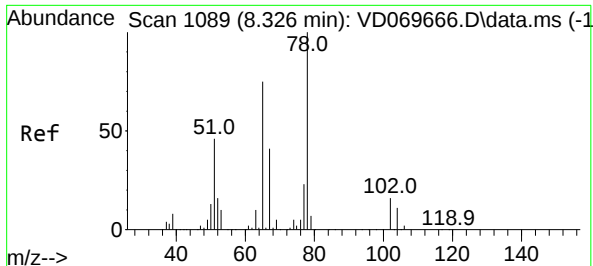
Tgt Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
72 10.2 22.6 33.8#



#31
Cyclohexane
Concen: 1.706 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion: 56 Resp: 12120
Ion Ratio Lower Upper
56 100
69 170.9 26.6 39.8#
84 137.8 68.2 102.2#

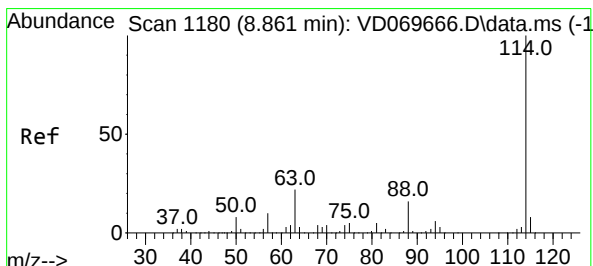
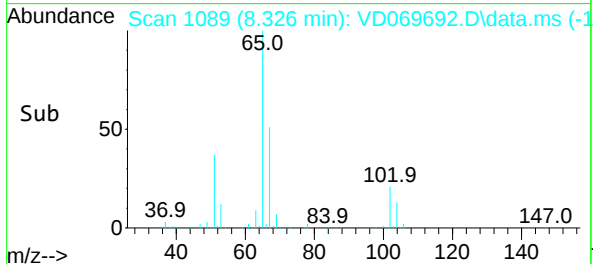
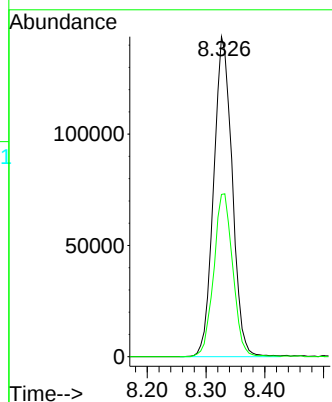
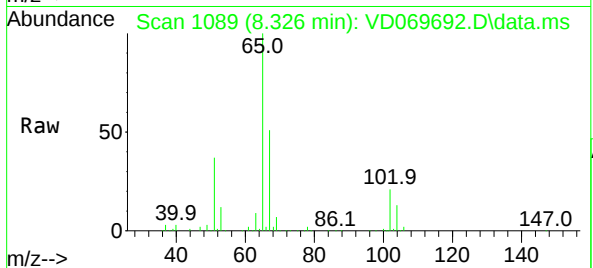




#33
1,2-Dichloroethane-d4
Concen: 58.151 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

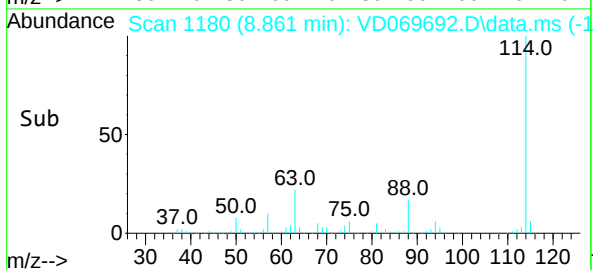
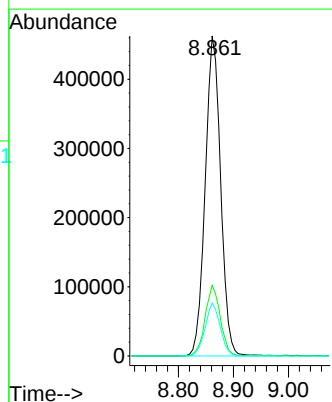
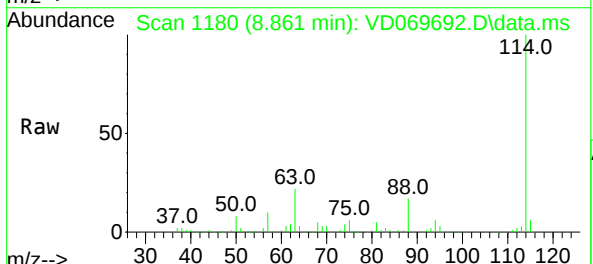
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MSVOA_D
ClientSampled :

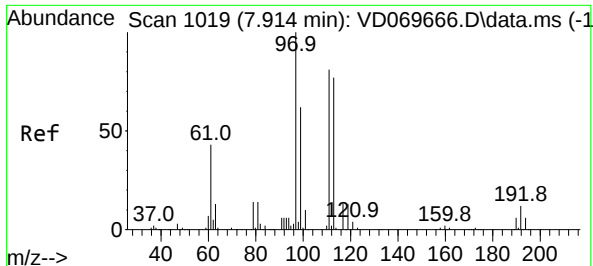
Tgt Ion: 65 Resp: 315664
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion: 114 Resp: 902688
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.4
88 16.6 0.0 32.0



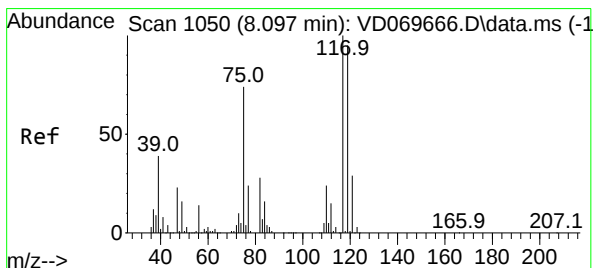
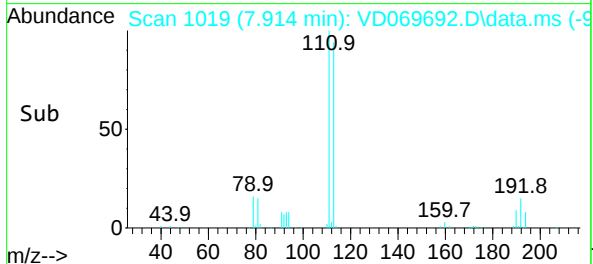
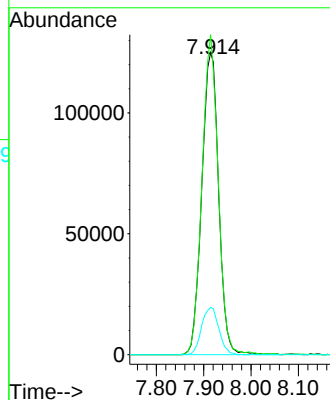
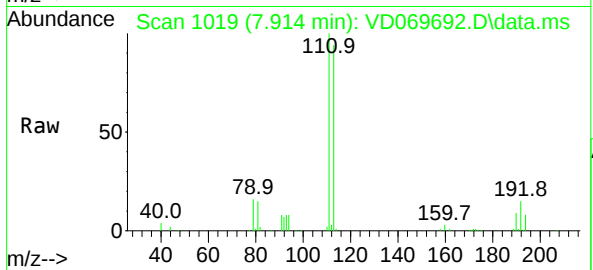


#35

Dibromofluoromethane
Concen: 50.989 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Instrument :
MSVOA_D
ClientSampled :

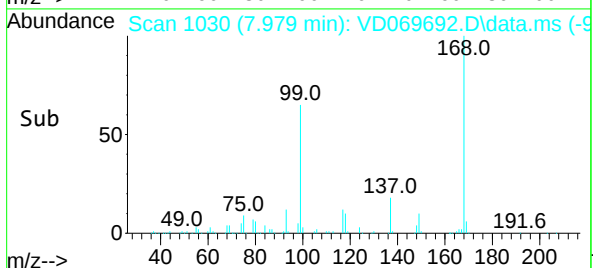
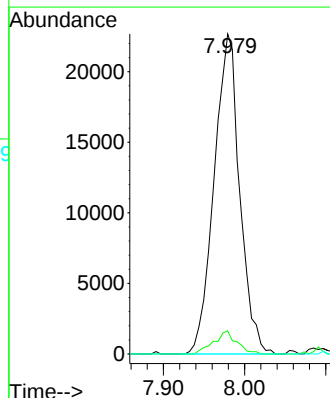
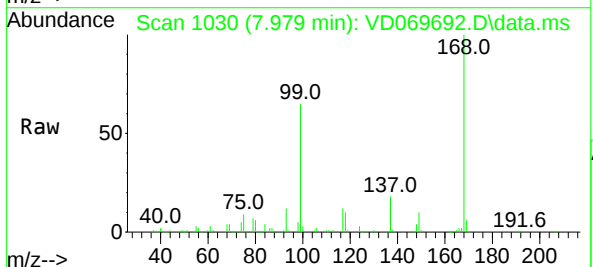
Tgt Ion:113 Resp: 308785
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 16.0 12.7 19.1

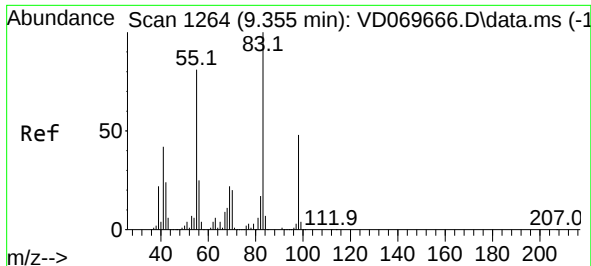


#38

Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion:117 Resp: 49689
Ion Ratio Lower Upper
117 100
119 7.3 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.110 ug/l

RT: 9.367 min Scan# 1266

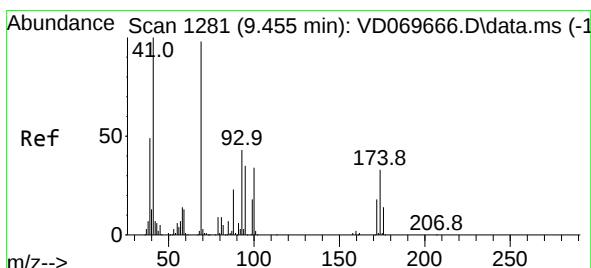
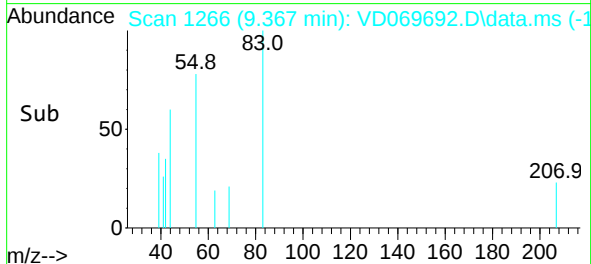
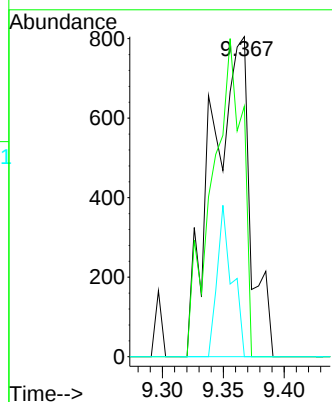
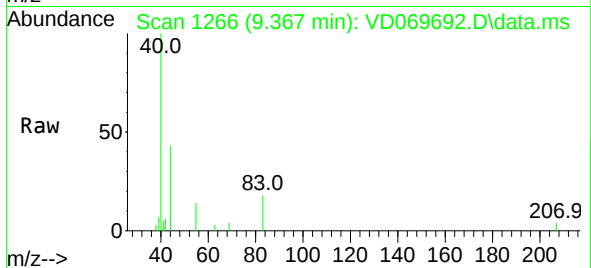
Delta R.T. 0.012 min

Lab File: VD069692.D

Acq: 14 Jul 2021 17:11

Tgt Ion: 83	Resp: 1755
Ion Ratio	Lower Upper
83 100	
55 78.3	64.6 97.0
98 0.0	38.4 57.6#

Instrument :
MSVOA_D
ClientSampleId :



#48

Methyl methacrylate

Concen: 1.165 ug/l

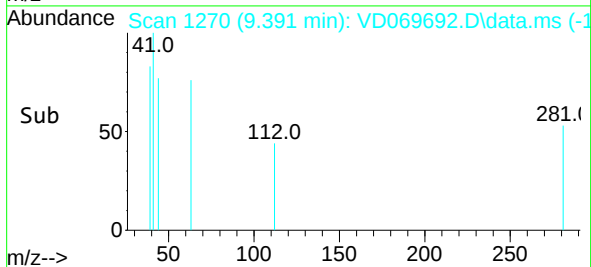
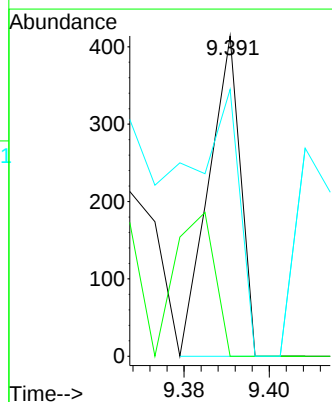
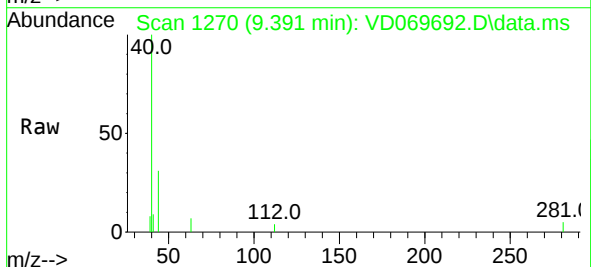
RT: 9.391 min Scan# 1270

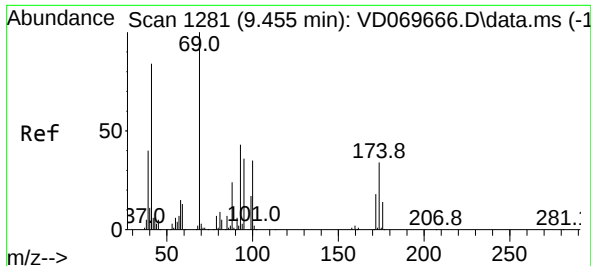
Delta R.T. -0.064 min

Lab File: VD069692.D

Acq: 14 Jul 2021 17:11

Tgt Ion: 41	Resp: 215
Ion Ratio	Lower Upper
41 100	
69 55.8	71.6 107.4#
39 0.0	36.7 55.1#

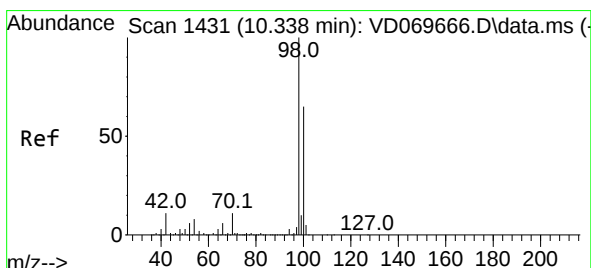
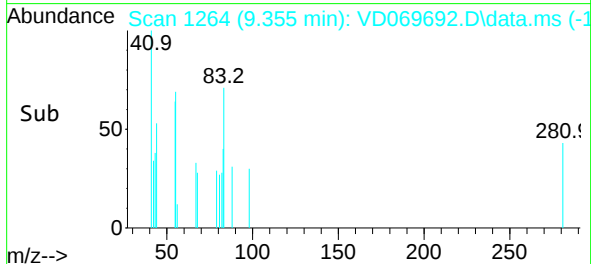
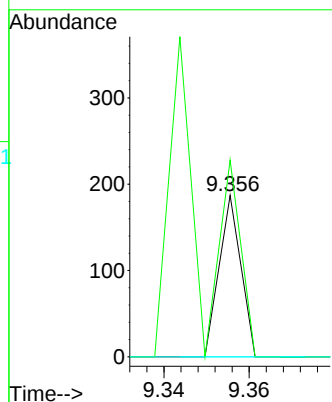
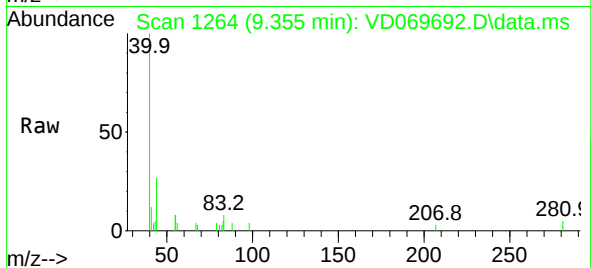




#49
1,4-Dioxane
Concen: 102.654 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.100 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

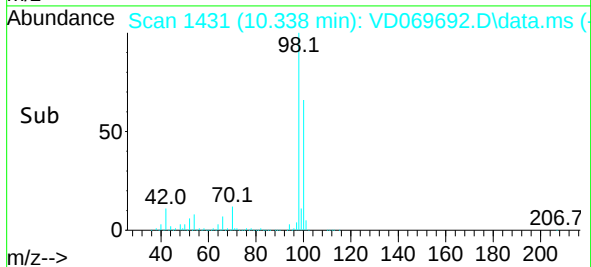
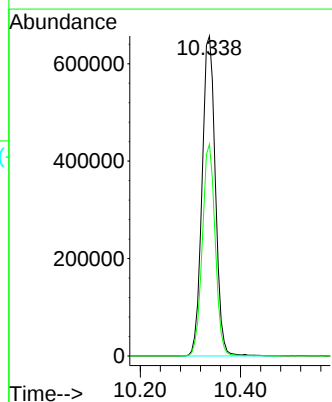
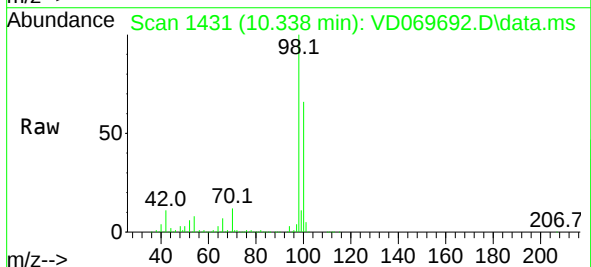
Instrument :
MSVOA_D
ClientSampled :

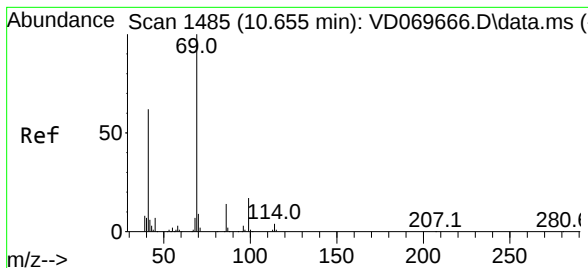
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 319.7 25.3 37.9#
58 0.0 62.6 94.0#



#50
Toluene-d8
Concen: 51.270 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion: 98 Resp: 1206251
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

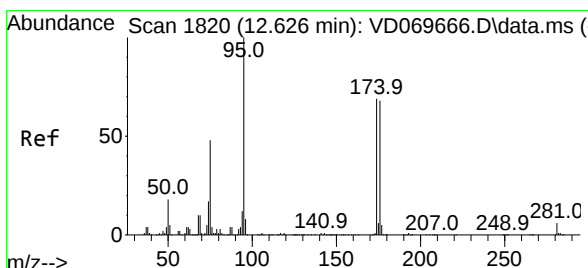
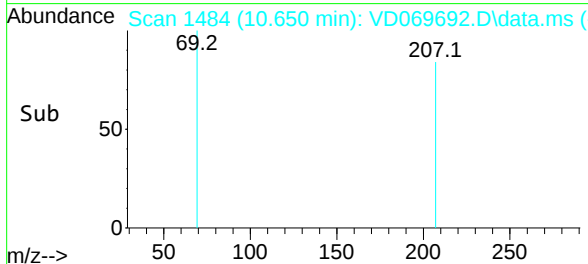
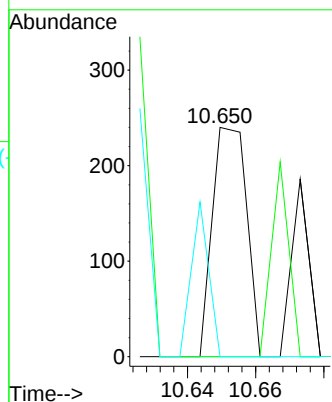
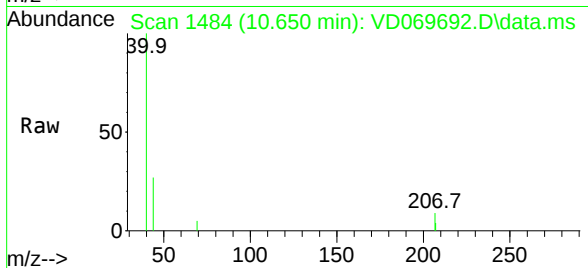




#56
Ethyl methacrylate
Concen: 1.691 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

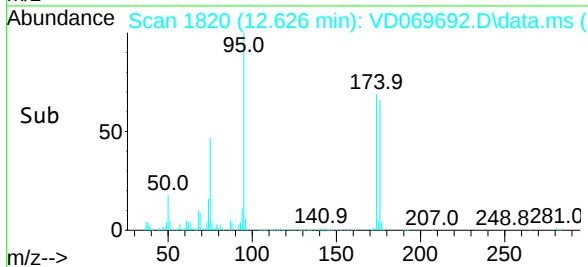
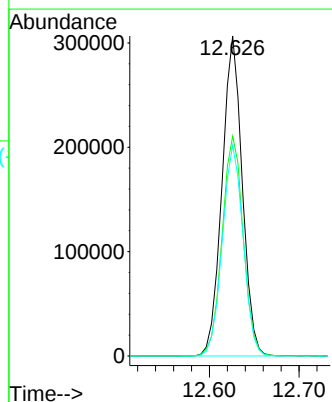
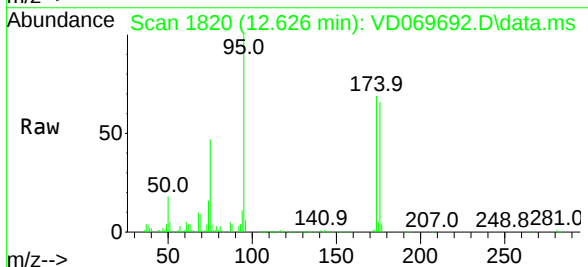
Instrument :
MSVOA_D
ClientSampleId :

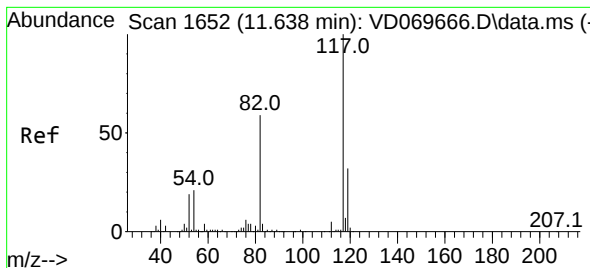
Tgt Ion: 69 Resp: 168
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 33.9 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 61.098 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

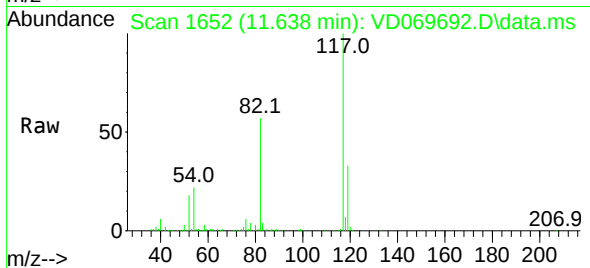
Tgt Ion: 95 Resp: 479413
Ion Ratio Lower Upper
95 100
174 71.7 0.0 140.0
176 67.8 0.0 136.2



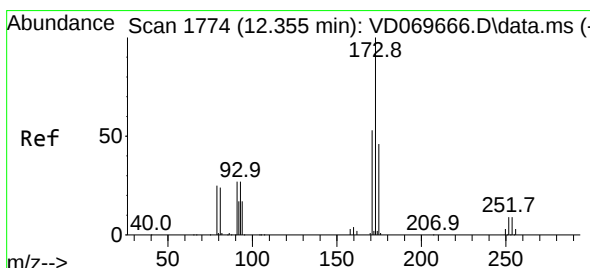
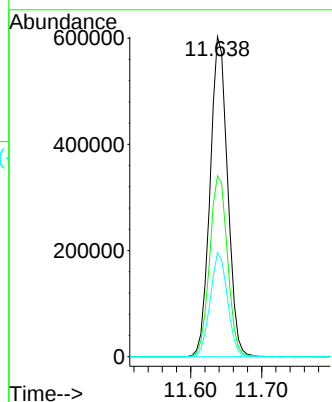
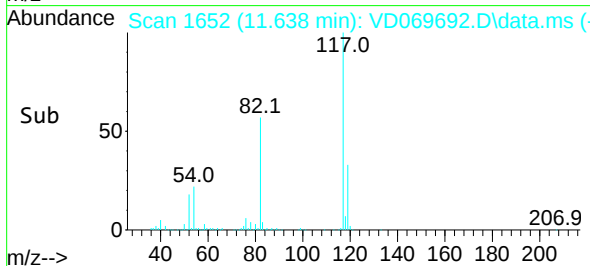


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

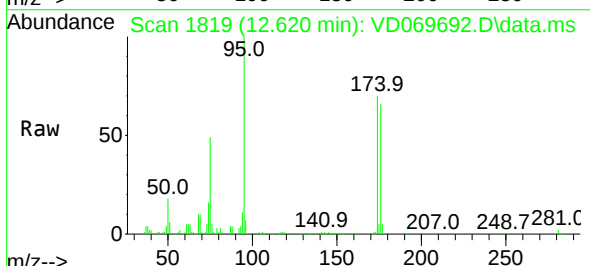
Instrument :
MSVOA_D
ClientSampleId :



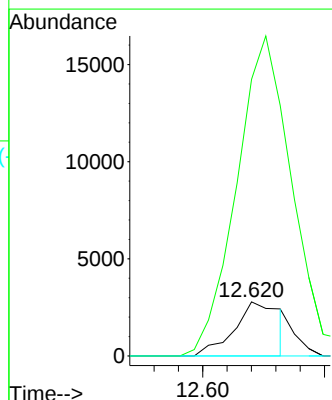
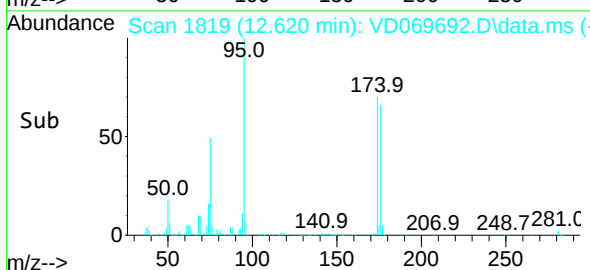
Tgt Ion:117 Resp: 1029760
Ion Ratio Lower Upper
117 100
82 56.5 47.4 71.2
119 32.5 25.5 38.3

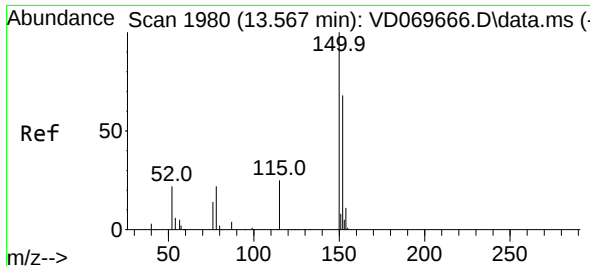


#71
Bromoform
Concen: 1.026 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11



Tgt Ion:173 Resp: 3655
Ion Ratio Lower Upper
173 100
175 573.2 24.2 72.6#
254 0.0 0.1 0.1#

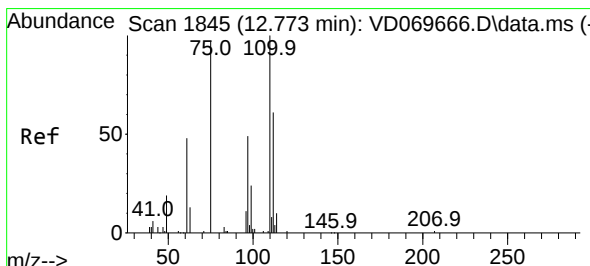
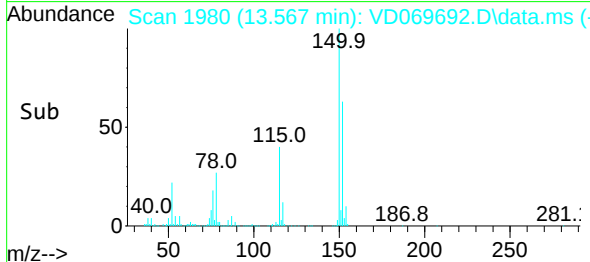
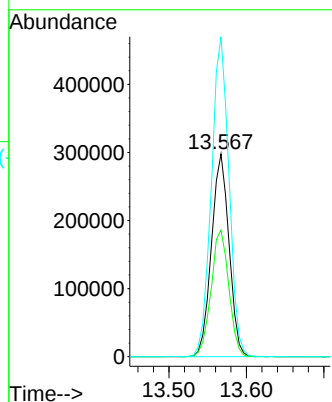
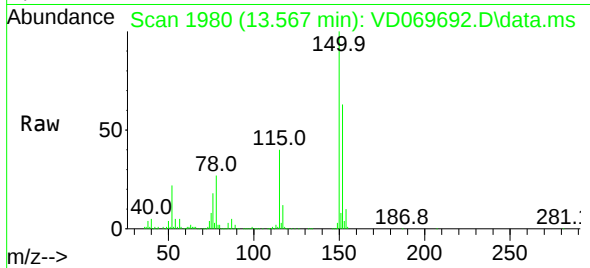




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

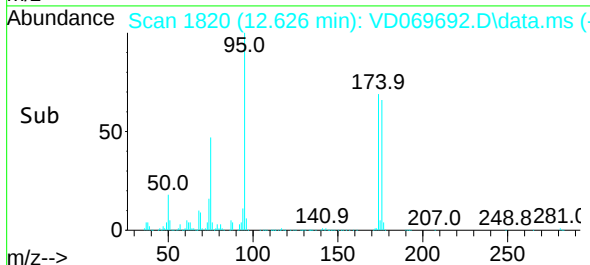
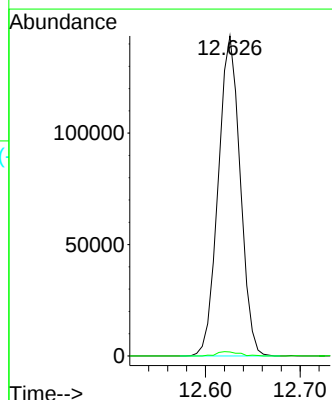
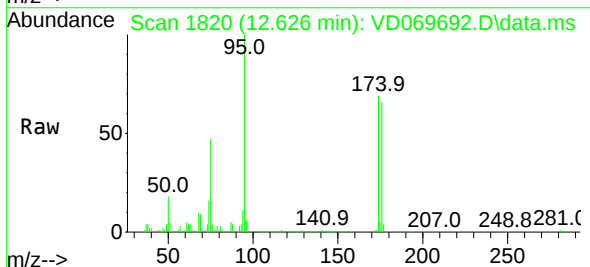
Instrument :
MSVOA_D
ClientSampleId :

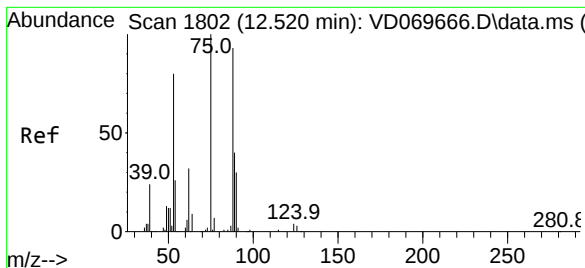
Tgt Ion:152 Resp: 468016
Ion Ratio Lower Upper
152 100
115 63.1 31.7 95.1
150 158.2 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 50.935 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion: 75 Resp: 231584
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

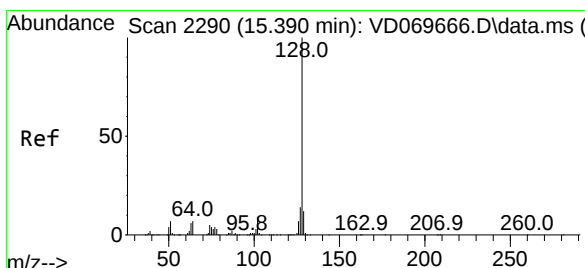
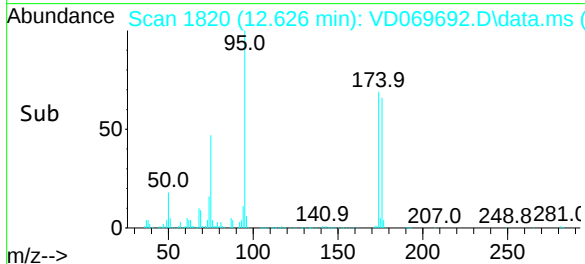
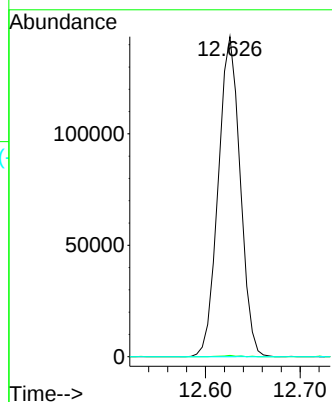
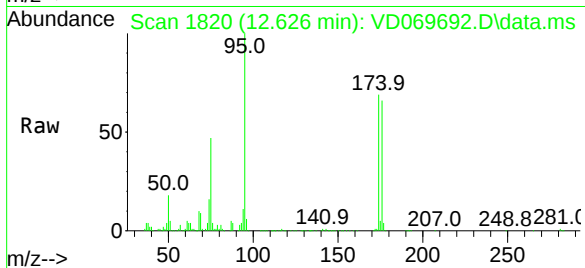




#81
trans-1,4-Dichloro-2-butene
Concen: 136.886 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 231584
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.556 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069692.D
Acq: 14 Jul 2021 17:11

Tgt Ion:128 Resp: 5436
Ion Ratio Lower Upper
128 100
127 15.0 10.6 16.0
129 12.2 8.8 13.2

