

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070022.D
 Acq On : 11 Aug 2021 14:37
 Operator : VA/SY
 Sample : M3339-01RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-080921RE

Quant Time: Aug 12 05:29:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

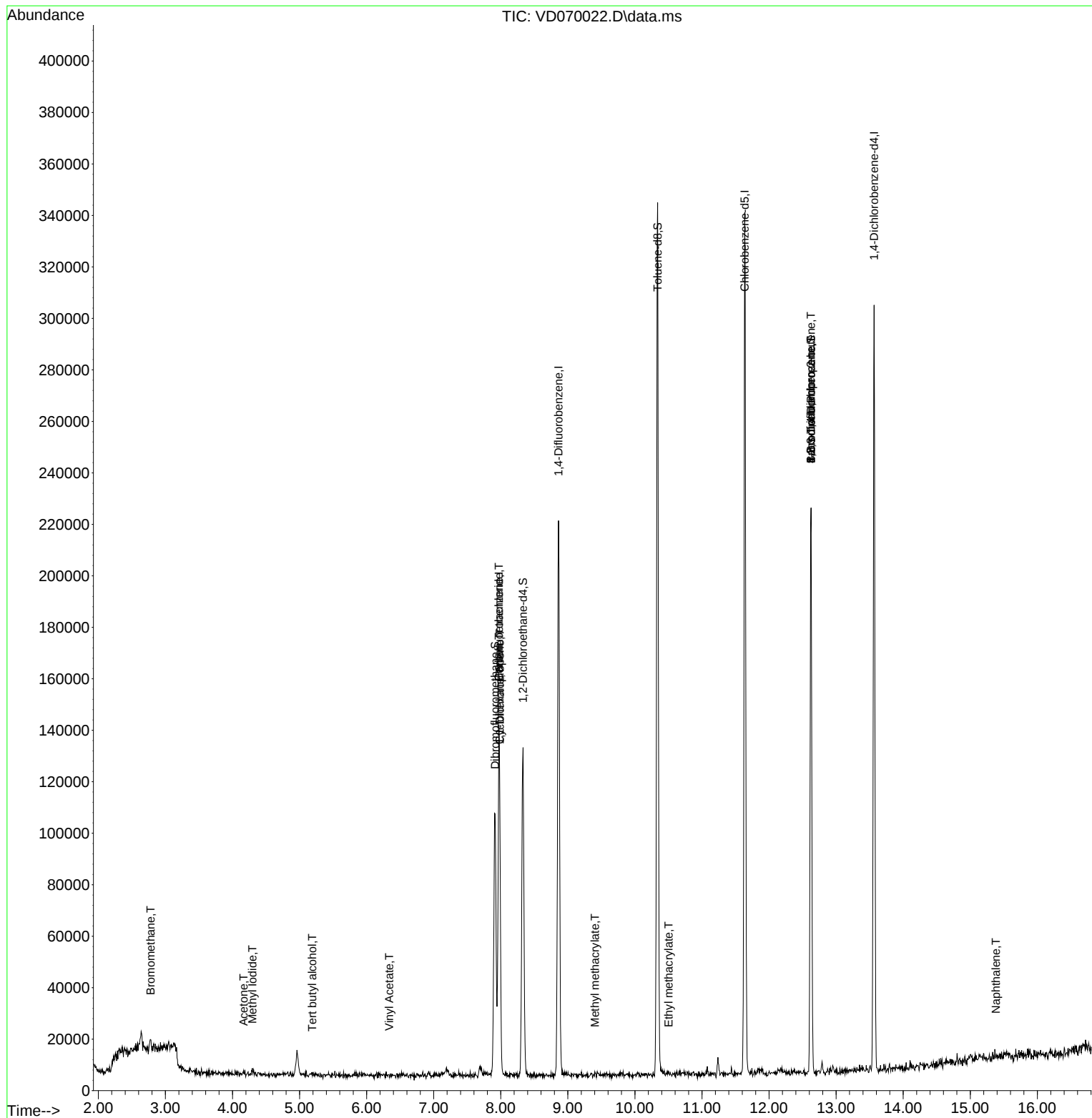
Internal Standards						
1) Pentafluorobenzene	7.973	168	96315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	185415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	194351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	76630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	100548	90.771	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 181.540%#	
35) Dibromofluoromethane	7.914	113	76818	65.721	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.440%	
50) Toluene-d8	10.338	98	237043	52.594	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.180%	
62) 4-Bromofluorobenzene	12.626	95	79092	52.509	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.020%	
Target Compounds						
						Qvalue
5) Bromomethane	2.779	94	2761	1.158	ug/l #	60
10) Methyl Iodide	4.297	142	1767	4.836	ug/l #	77
11) Tert butyl alcohol	5.191	59	136	2.373	ug/l #	73
16) Acetone	4.167	43	1622	8.106	ug/l	92
20) Methylene Chloride	4.961	84	7184	Below Cal	#	78
23) Vinyl Acetate	6.338	43	71	20.383	ug/l #	71
31) Cyclohexane	7.985	56	2488	1.150	ug/l #	64
36) 1,1-Dichloropropene	7.985	75	8673	4.334	ug/l #	43
38) Carbon Tetrachloride	7.973	117	9910	5.422	ug/l #	18
48) Methyl methacrylate	9.402	41	201	3.020	ug/l #	27
56) Ethyl methacrylate	10.502	69	139	3.994	ug/l #	38
71) Bromoform	12.626	173	896	1.274	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	36756	45.126	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	36756	136.900	ug/l #	16
95) Naphthalene	15.384	128	747	5.267	ug/l #	79

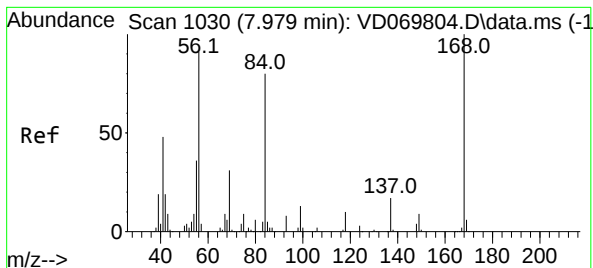
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070022.D

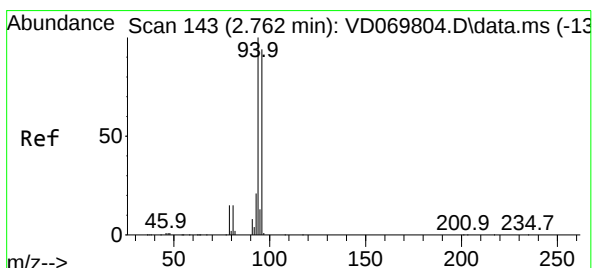
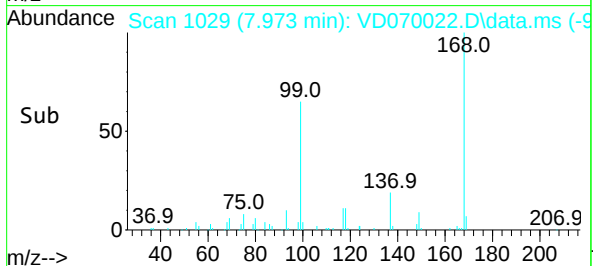
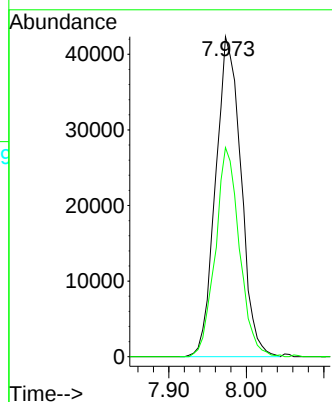
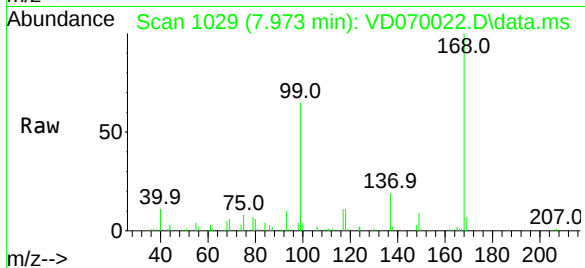
Acq: 11 Aug 2021 14:37

Tgt Ion:168 Resp: 96315

Ion Ratio Lower Upper

168 100

99 65.4 51.1 76.7



#5

Bromomethane

Concen: 1.158 ug/l

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD070022.D

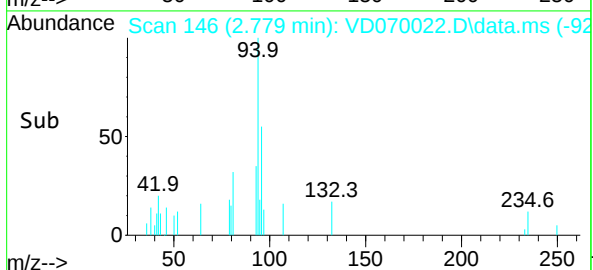
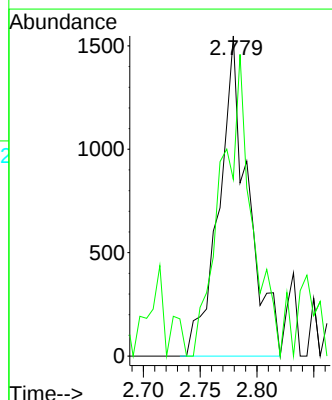
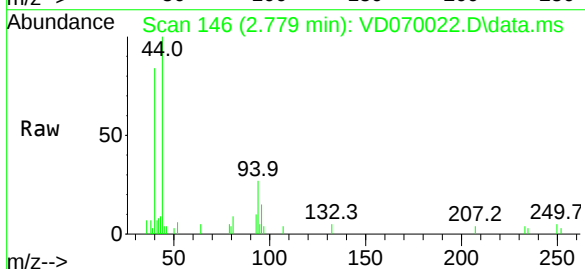
Acq: 11 Aug 2021 14:37

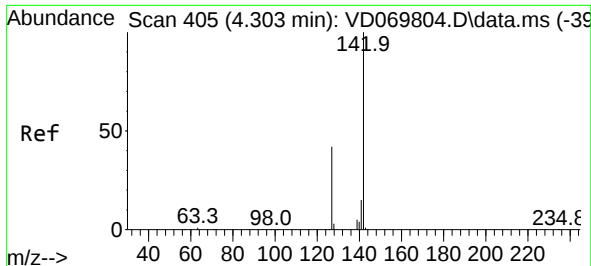
Tgt Ion: 94 Resp: 2761

Ion Ratio Lower Upper

94 100

96 55.2 74.8 112.2#

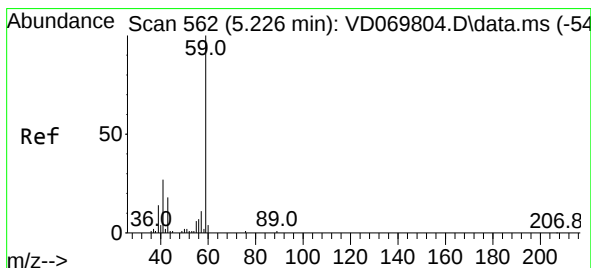
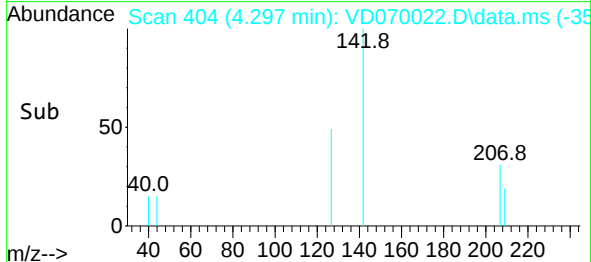
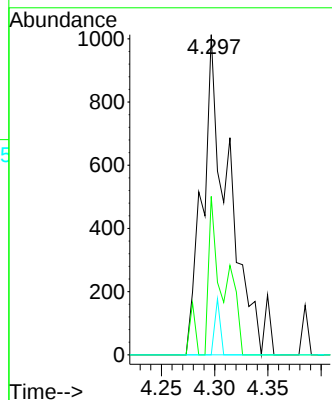
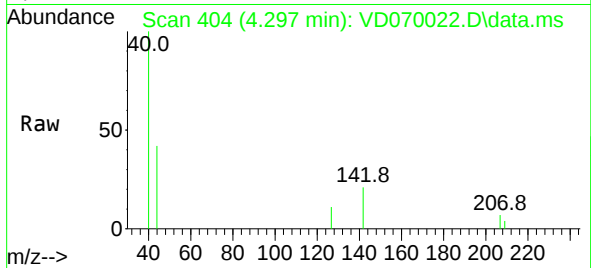




#10
Methyl Iodide
Concen: 4.836 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

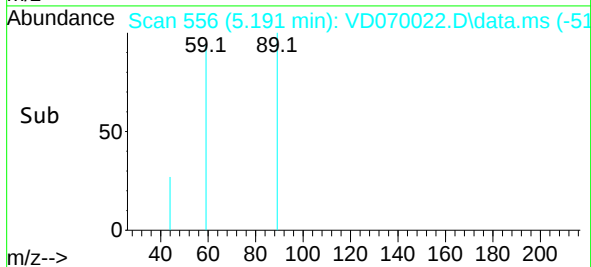
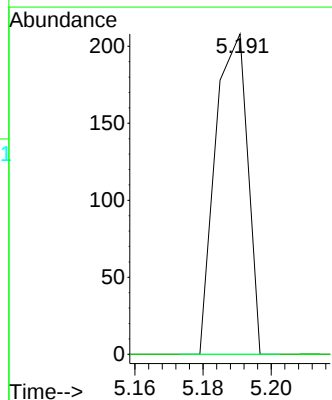
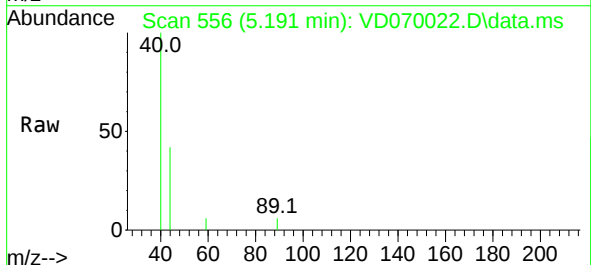
Instrument :
MSVOA_D
ClientSampleId :
OK-01-080921RE

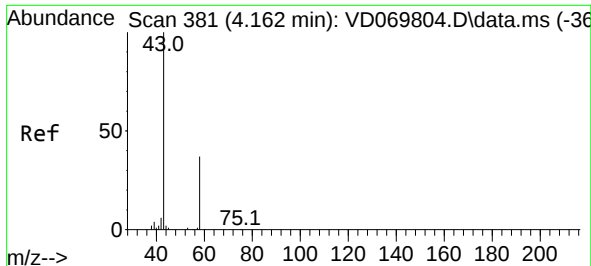
Tgt Ion:142 Resp: 1767
Ion Ratio Lower Upper
142 100
127 30.8 35.7 53.5#
141 3.5 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.373 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.036 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

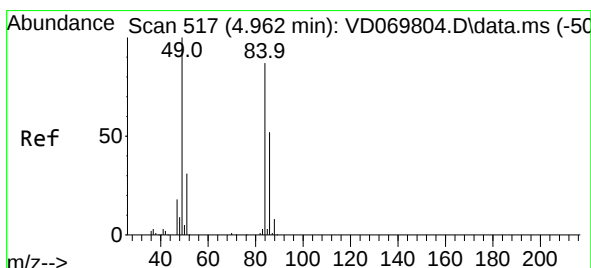
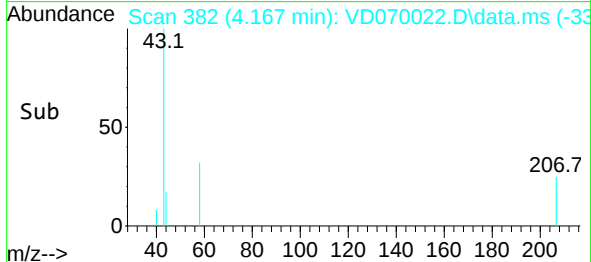
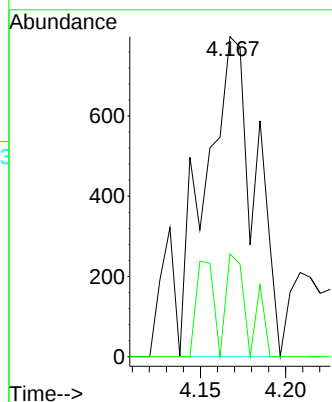
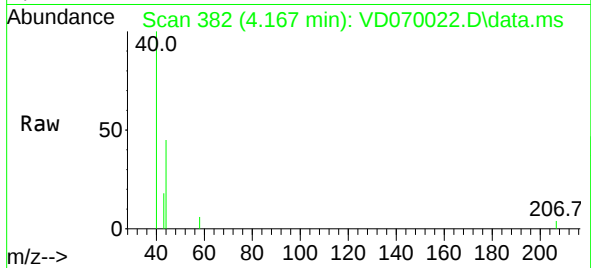




#16
Acetone
Concen: 8.106 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

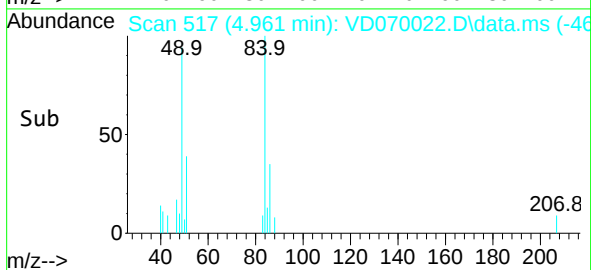
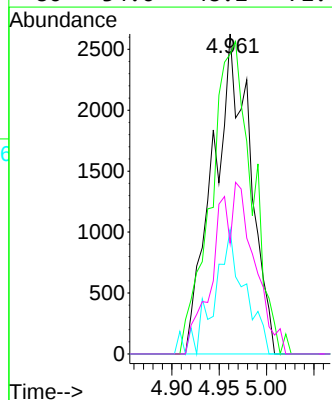
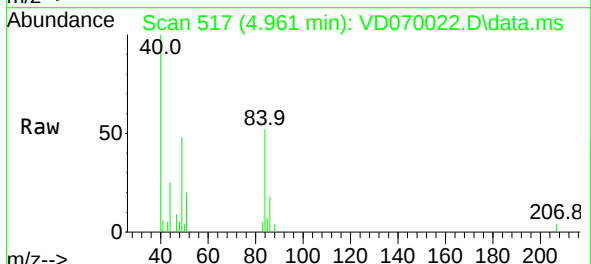
Instrument :
MSVOA_D
ClientSampleId :
OK-01-080921RE

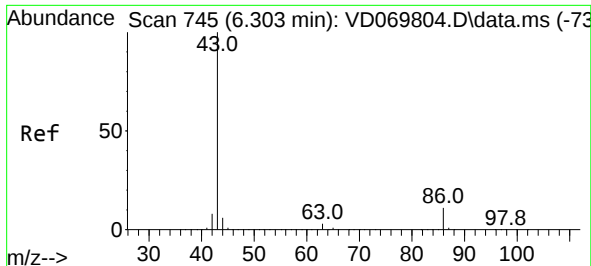
Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
58 32.1 29.4 44.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Tgt Ion: 84 Resp: 7184
Ion Ratio Lower Upper
84 100
49 93.7 92.4 138.6
51 38.8 28.5 42.7
86 34.6 48.2 72.4#

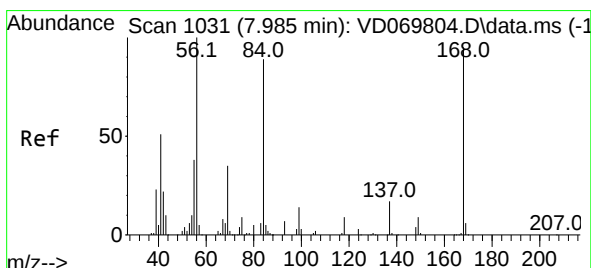
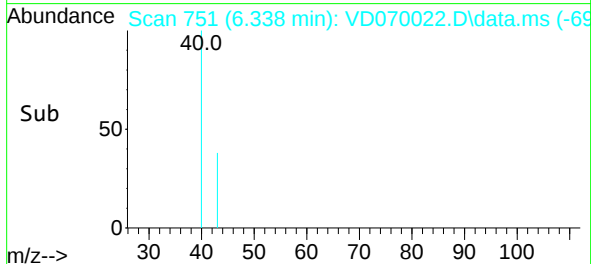
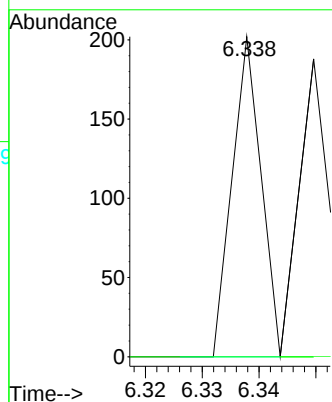
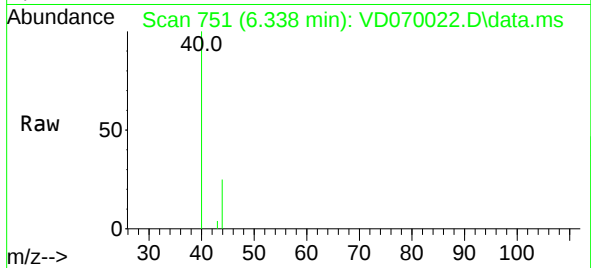




#23
 Vinyl Acetate
 Concen: 20.383 ug/l
 RT: 6.338 min Scan# 751
 Delta R.T. 0.035 min
 Lab File: VD070022.D
 Acq: 11 Aug 2021 14:37

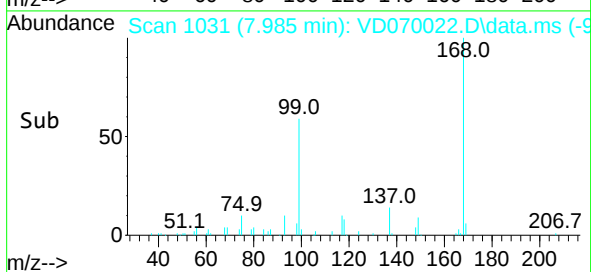
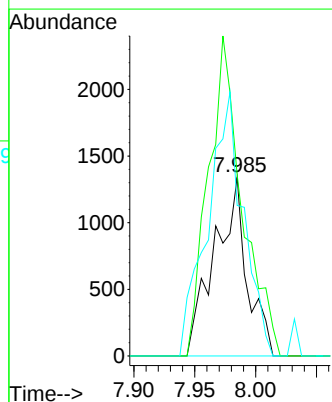
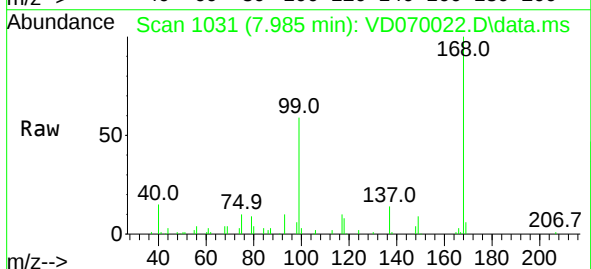
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-080921RE

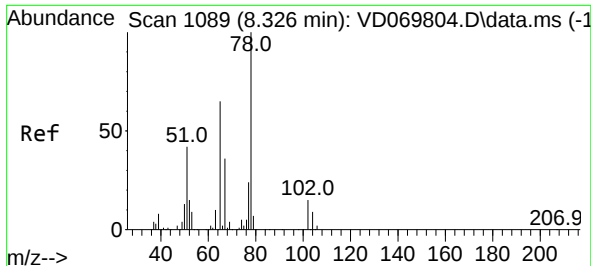
Tgt Ion: 43 Resp: 71
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.150 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. -0.000 min
 Lab File: VD070022.D
 Acq: 11 Aug 2021 14:37

Tgt Ion: 56 Resp: 2488
 Ion Ratio Lower Upper
 56 100
 69 101.5 27.9 41.9#
 84 84.3 71.4 107.2



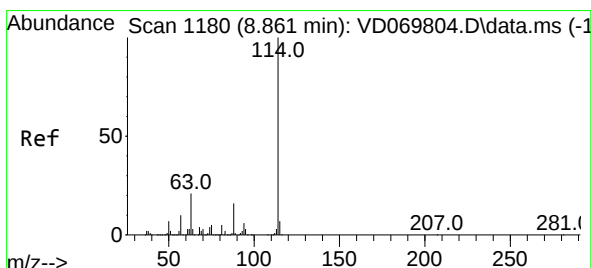
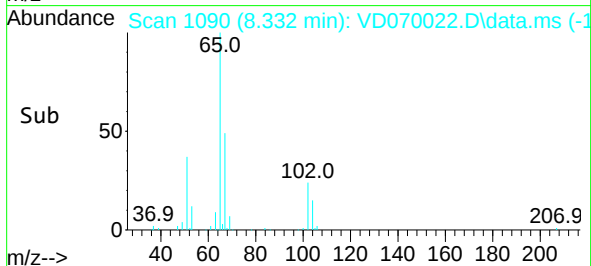
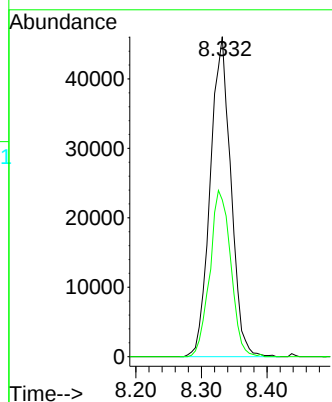
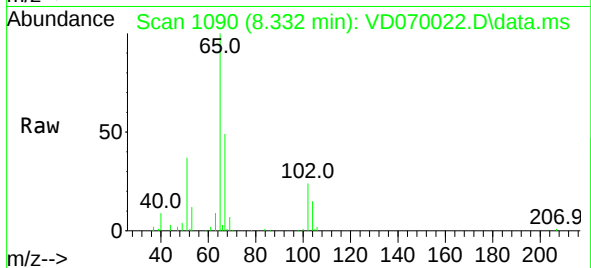


#33

1,2-Dichloroethane-d4
Concen: 90.771 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Instrument :
MSVOA_D
ClientSampleId :
OK-01-080921RE

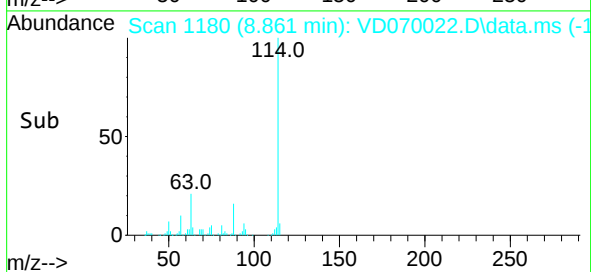
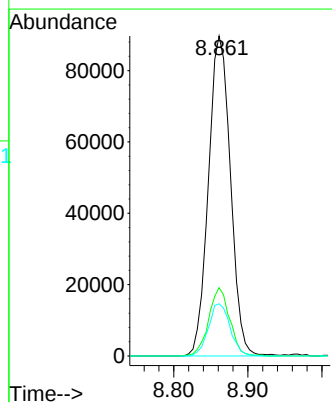
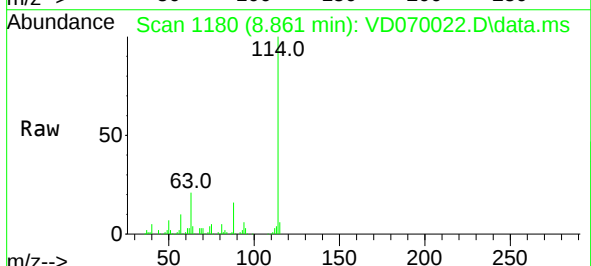
Tgt Ion: 65 Resp: 100548
Ion Ratio Lower Upper
65 100
67 52.8 0.0 111.2

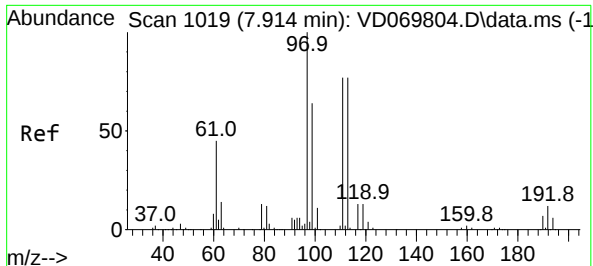


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Tgt Ion: 114 Resp: 185415
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.6
88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 65.721 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070022.D

Acq: 11 Aug 2021 14:37

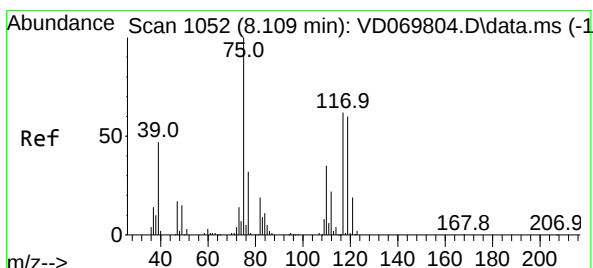
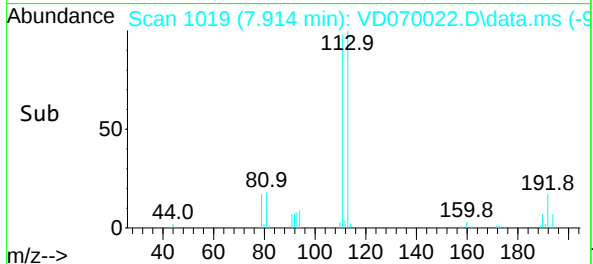
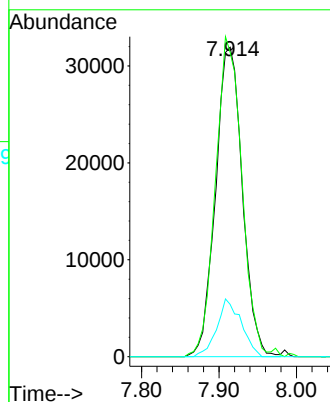
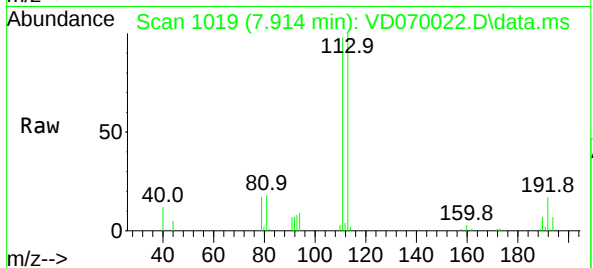
Tgt Ion:113 Resp: 76818

Ion Ratio Lower Upper

113 100

111 101.9 80.5 120.7

192 17.0 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.334 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.124 min

Lab File: VD070022.D

Acq: 11 Aug 2021 14:37

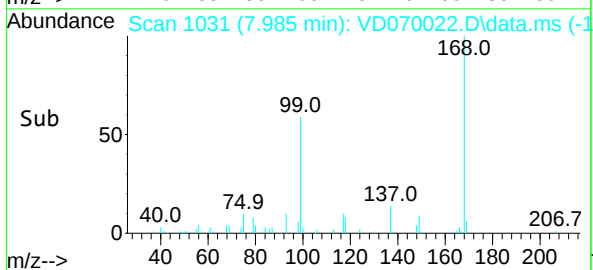
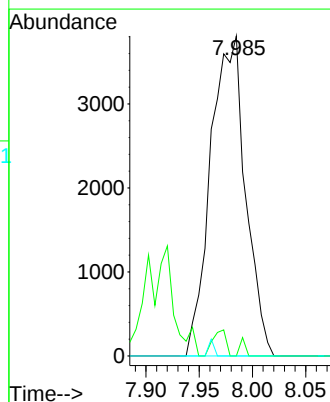
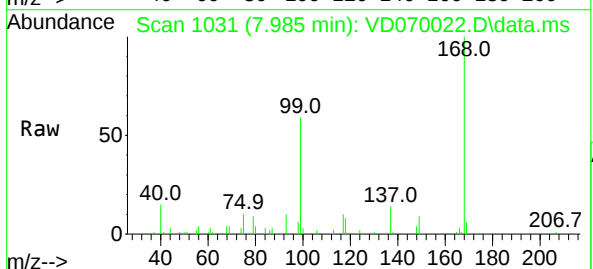
Tgt Ion: 75 Resp: 8673

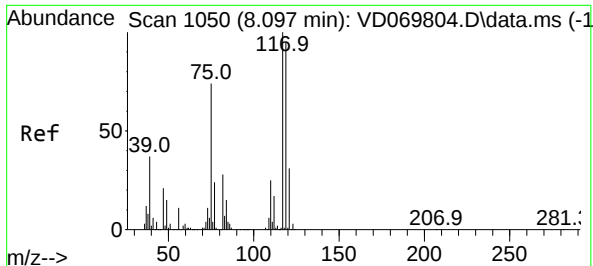
Ion Ratio Lower Upper

75 100

110 0.9 16.9 50.7#

77 0.0 24.9 37.3#

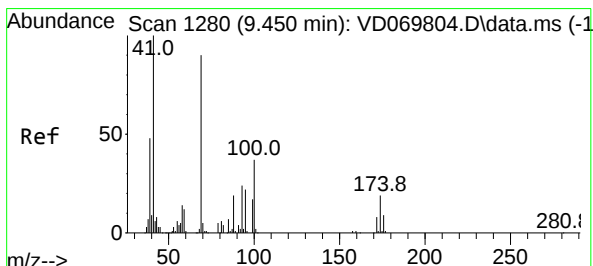
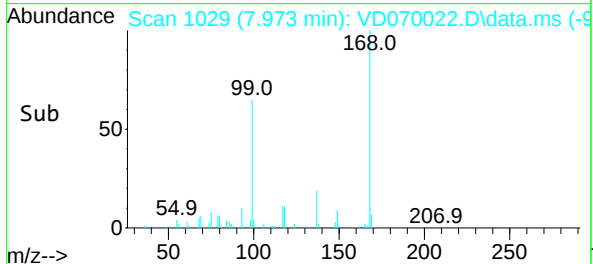
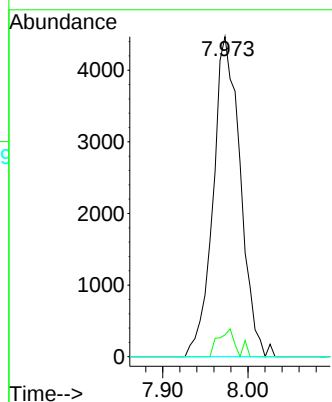
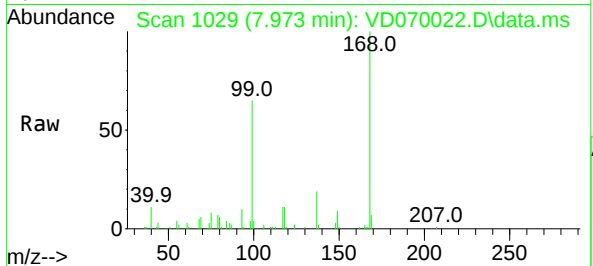




#38
Carbon Tetrachloride
Concen: 5.422 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

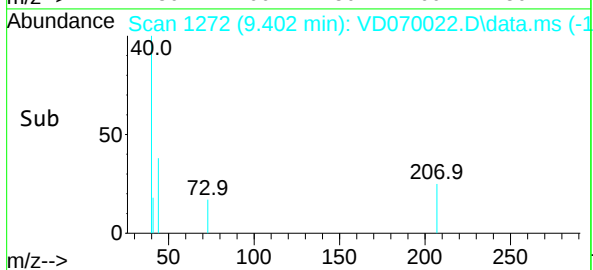
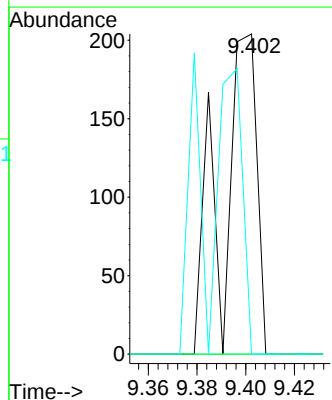
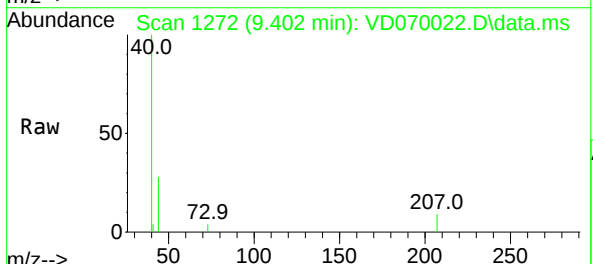
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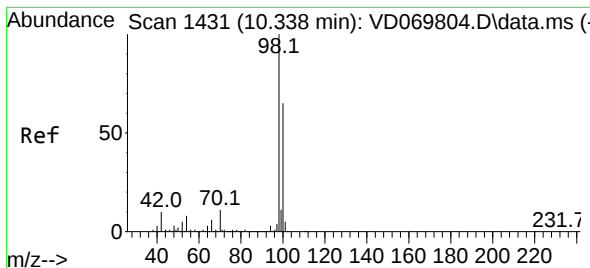
Tgt Ion: 117 Resp: 9910
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 3.020 ug/l
RT: 9.402 min Scan# 1272
Delta R.T. -0.048 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Tgt Ion: 41 Resp: 201
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 62.2 36.6 55.0#

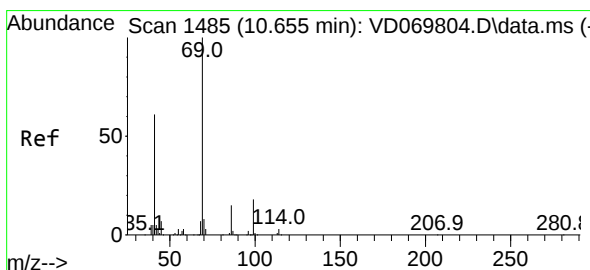
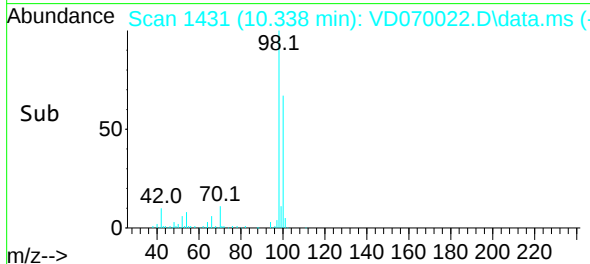
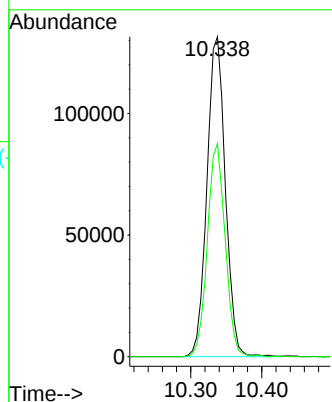
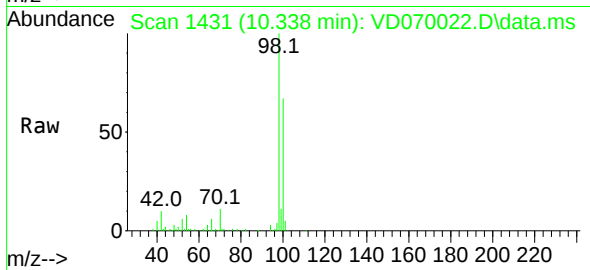




#50
Toluene-d8
Concen: 52.594 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

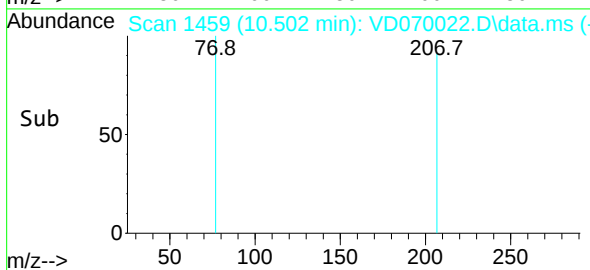
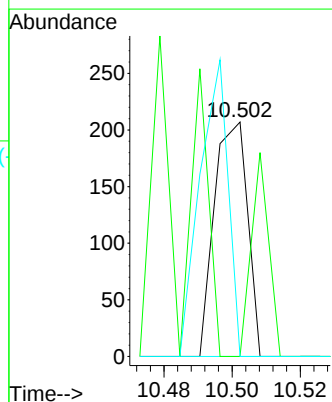
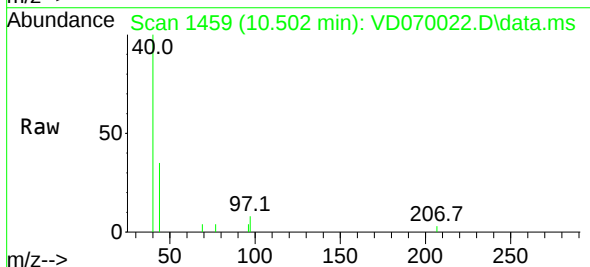
Instrument :
MSVOA_D
ClientSampleId :
OK-01-080921RE

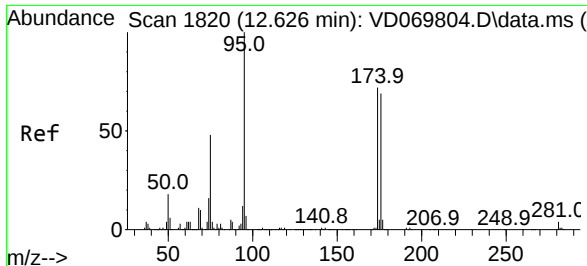
Tgt Ion: 98 Resp: 237043
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.994 ug/l
RT: 10.502 min Scan# 1459
Delta R.T. -0.153 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Tgt Ion: 69 Resp: 139
Ion Ratio Lower Upper
69 100
41 46.0 50.2 75.2#
39 107.2 22.0 33.0#

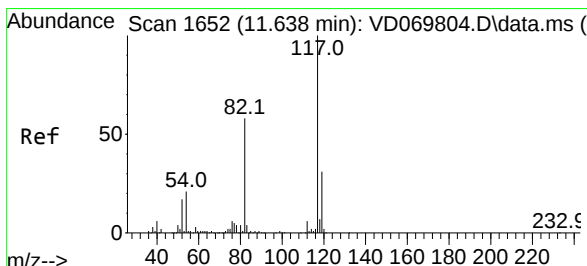
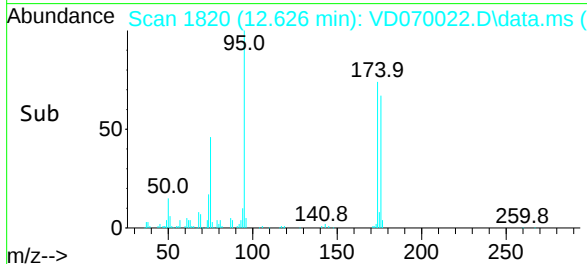
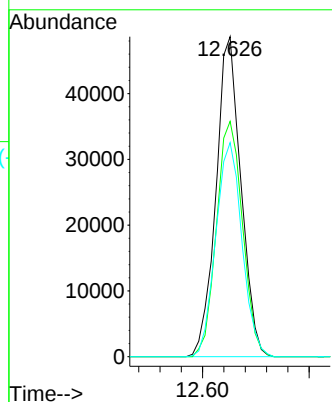
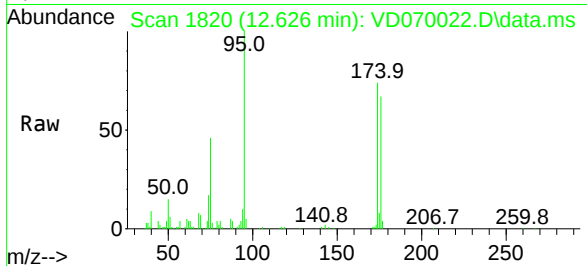




#62
4-Bromofluorobenzene
Concen: 52.509 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

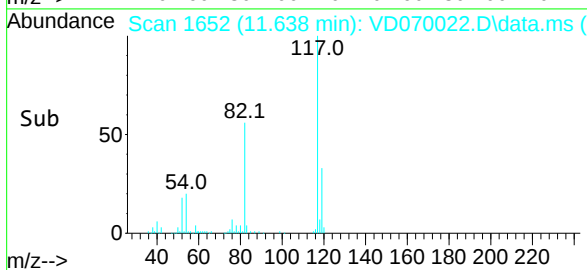
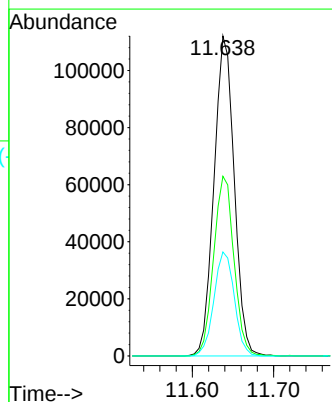
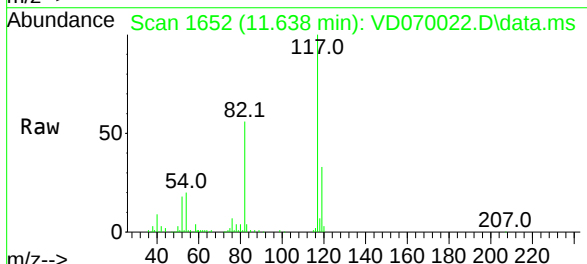
Instrument :
MSVOA_D
ClientSampleId :
OK-01-080921RE

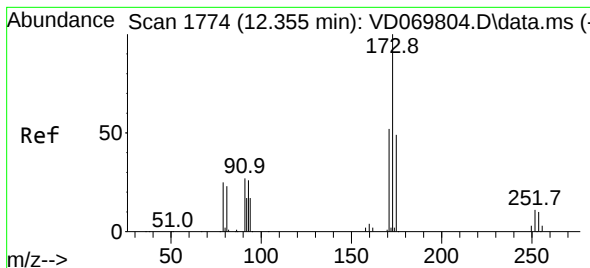
Tgt Ion: 95 Resp: 79092
Ion Ratio Lower Upper
95 100
174 76.8 0.0 142.6
176 70.3 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Tgt Ion: 117 Resp: 194351
Ion Ratio Lower Upper
117 100
82 56.2 46.3 69.5
119 32.5 24.7 37.1





#71

Bromoform

Concen: 1.274 ug/l

RT: 12.626 min Scan# 1820

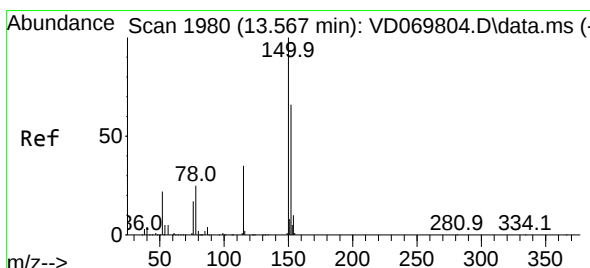
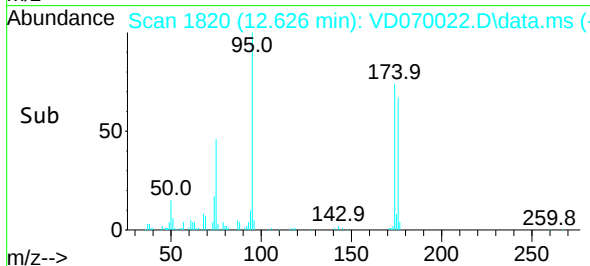
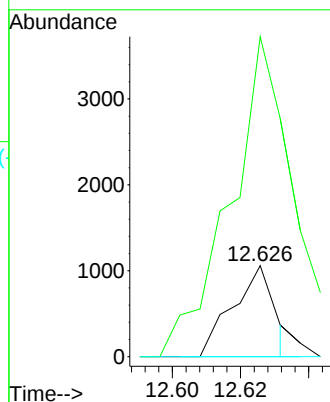
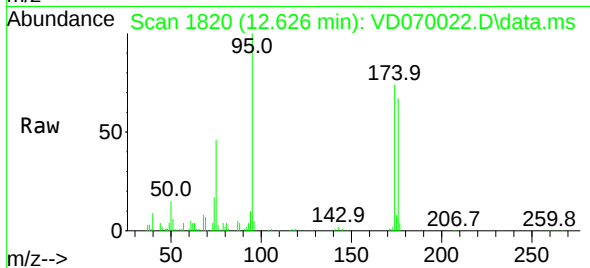
Delta R.T. 0.270 min

Lab File: VD070022.D

Acq: 11 Aug 2021 14:37

Tgt Ion:	173	Resp:	896
Ion Ratio	Lower	Upper	
173	100		
175	436.8	24.1	72.3#
254	0.0	0.1	0.1#

Instrument :
MSVOA_D
ClientSampleId :
OK-01-080921RE



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

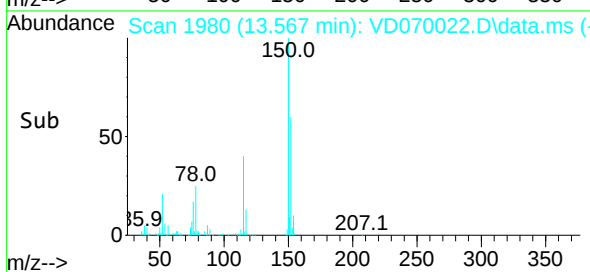
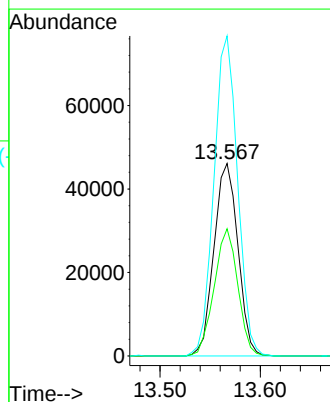
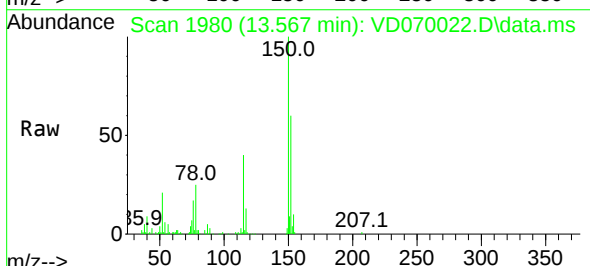
RT: 13.567 min Scan# 1980

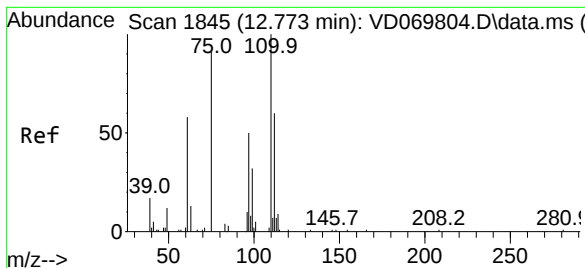
Delta R.T. -0.000 min

Lab File: VD070022.D

Acq: 11 Aug 2021 14:37

Tgt Ion:	152	Resp:	76630
Ion Ratio	Lower	Upper	
152	100		
115	65.1	31.1	93.3
150	163.7	0.0	343.0

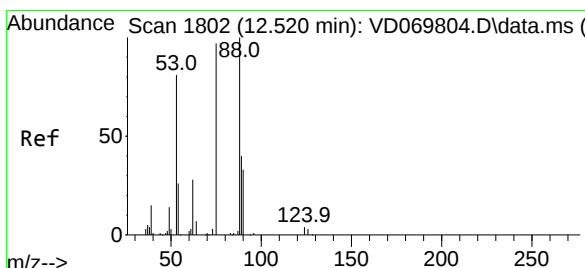
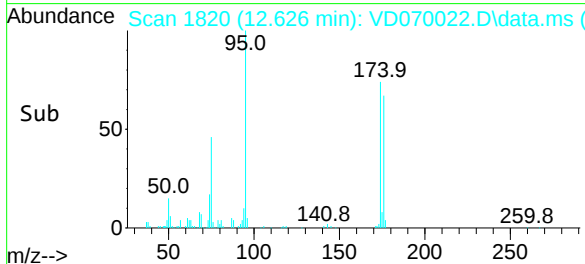
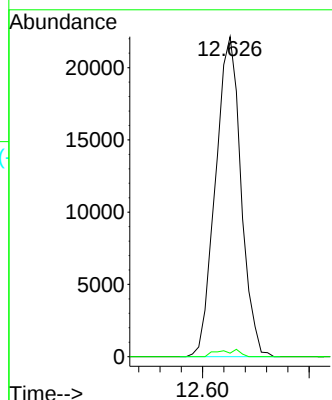
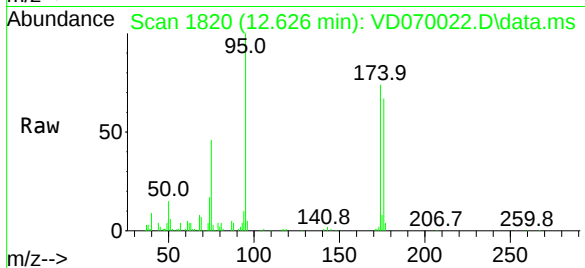




#76
1,2,3-Trichloropropane
Concen: 45.126 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

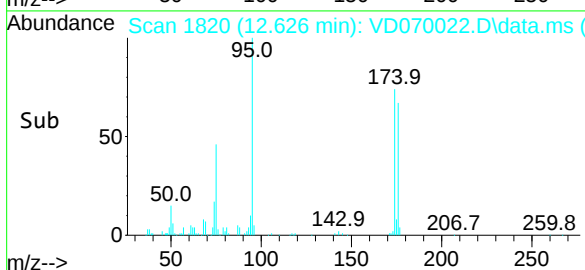
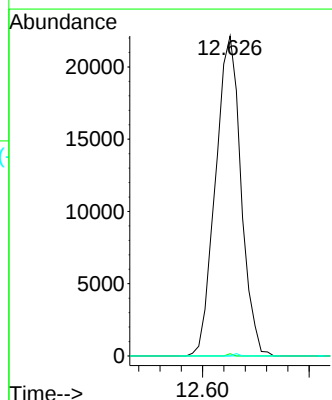
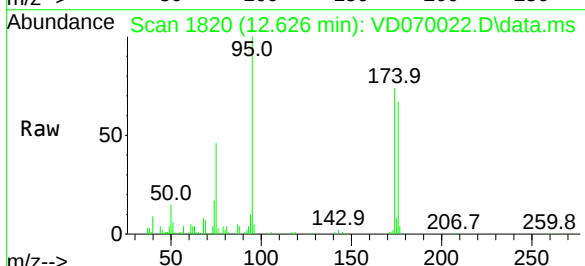
Instrument :
MSVOA_D
ClientSampleId :
OK-01-080921RE

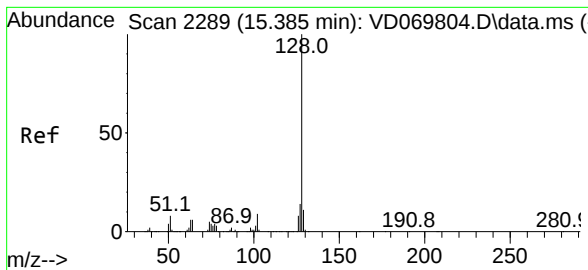
Tgt Ion: 75 Resp: 36756
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.900 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Tgt Ion: 75 Resp: 36756
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.2 35.8 53.6#





#95
Naphthalene
Concen: 5.267 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070022.D
Acq: 11 Aug 2021 14:37

Instrument :
MSVOA_D
ClientSampleId :
OK-01-080921RE

Tgt Ion:128 Resp: 747
Ion Ratio Lower Upper
128 100
127 19.1 10.6 16.0#
129 0.0 8.6 12.8#

