

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070014.D
 Acq On : 09 Aug 2021 23:40
 Operator : VA/SY
 Sample : M3328-01
 Misc : 9.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:09:19 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)

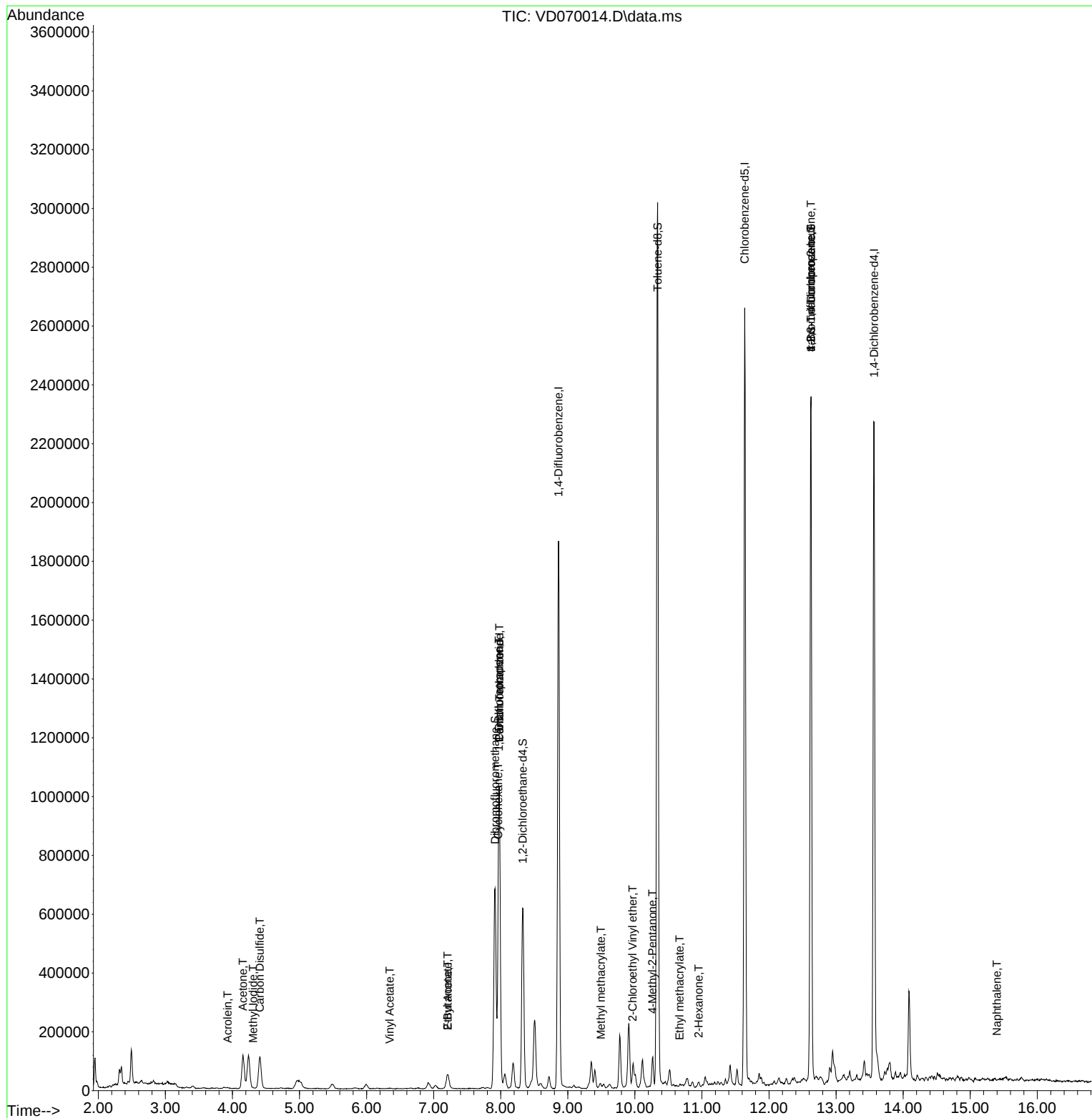
Internal Standards						
1) Pentafluorobenzene	7.979	168	729881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1613506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1516133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	618130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	505160	60.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.360%	
35) Dibromofluoromethane	7.914	113	516204	50.750	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.500%	
50) Toluene-d8	10.338	98	2095891	53.438	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.880%	
62) 4-Bromofluorobenzene	12.626	95	685550	52.301	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2616	Below Cal	#	52
10) Methyl Iodide	4.309	142	860	3.551	ug/l #	73
13) Acrolein	3.926	56	3256	5.355	ug/l	85
16) Acetone	4.156	43	190929	125.910	ug/l	93
17) Carbon Disulfide	4.409	76	241175	8.077	ug/l	98
20) Methylene Chloride	4.973	84	17570	Below Cal		90
23) Vinyl Acetate	6.344	43	120	20.357	ug/l #	71
25) 2-Butanone	7.208	43	63129	30.699	ug/l	92
31) Cyclohexane	7.961	56	32578	1.986	ug/l #	59
36) 1,1-Dichloropropene	7.973	75	64521	3.705	ug/l #	48
37) Ethyl Acetate	7.208	43	63129	9.959	ug/l #	68
38) Carbon Tetrachloride	7.979	117	80773	5.078	ug/l #	16
48) Methyl methacrylate	9.491	41	4982	3.525	ug/l #	35
51) 4-Methyl-2-Pentanone	10.261	43	10836	1.832	ug/l #	83
56) Ethyl methacrylate	10.667	69	415	3.930	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.967	63	80	20.885	ug/l #	48
59) 2-Hexanone	10.949	43	7823	1.999	ug/l #	24
76) 1,2,3-Trichloropropane	12.626	75	338484	51.518	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	338484	156.291	ug/l #	16
95) Naphthalene	15.396	128	2028	5.089	ug/l #	75

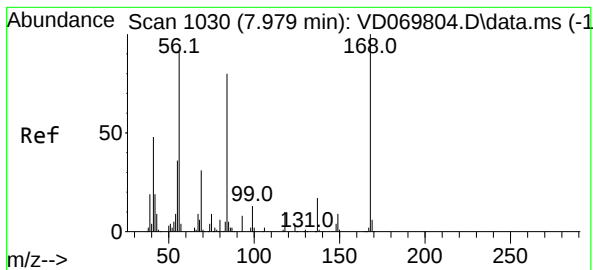
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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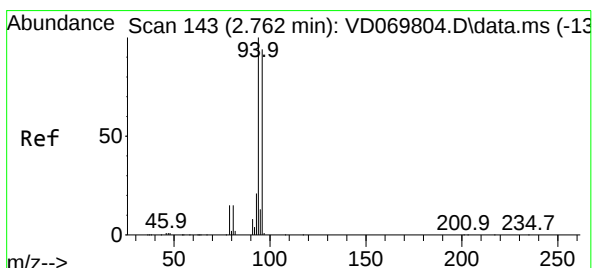
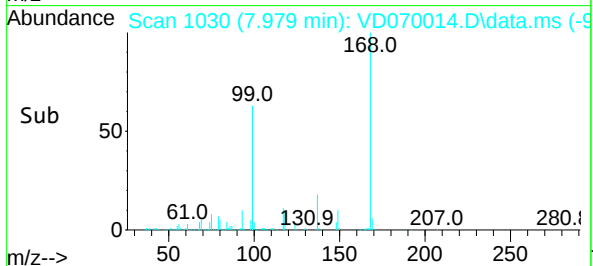
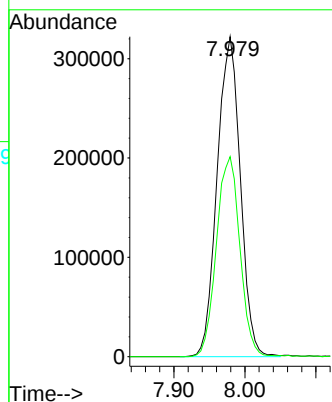
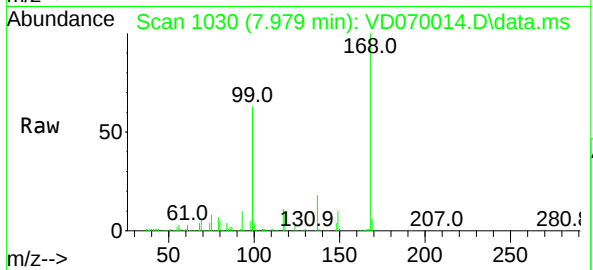




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

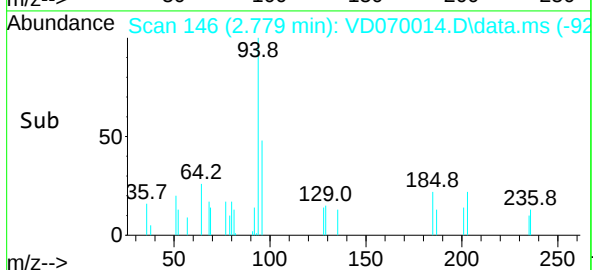
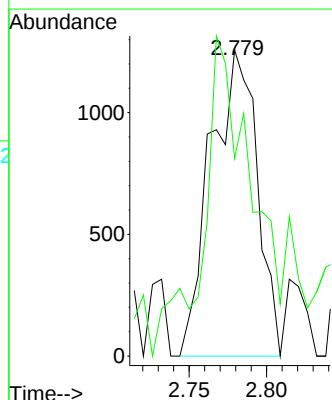
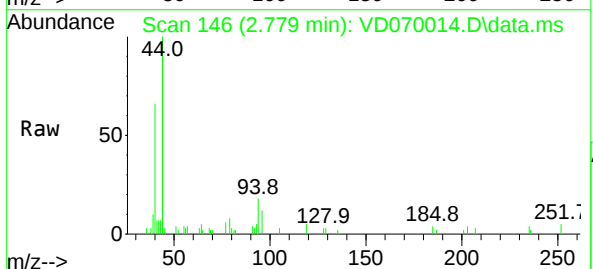
Instrument :
MSVOA_D
ClientSampleId :

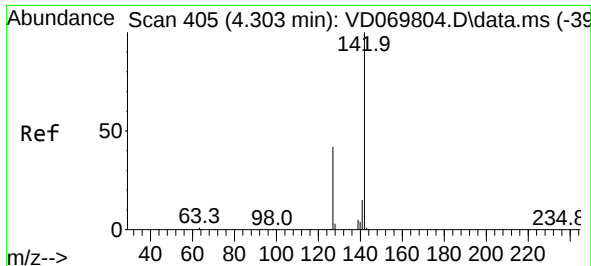
Tgt Ion:168 Resp: 729881
Ion Ratio Lower Upper
168 100
99 62.5 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 94 Resp: 2616
Ion Ratio Lower Upper
94 100
96 47.6 74.8 112.2#

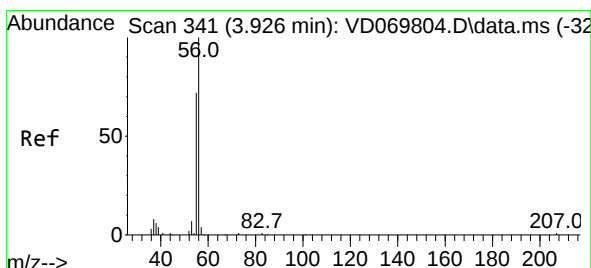
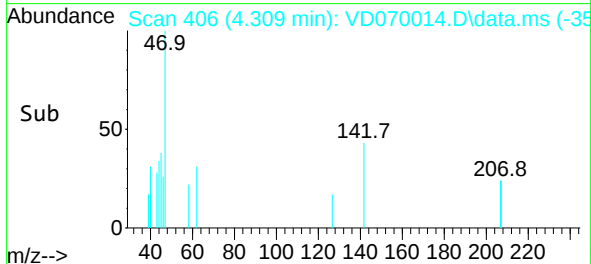
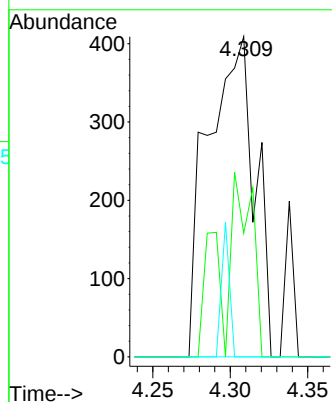
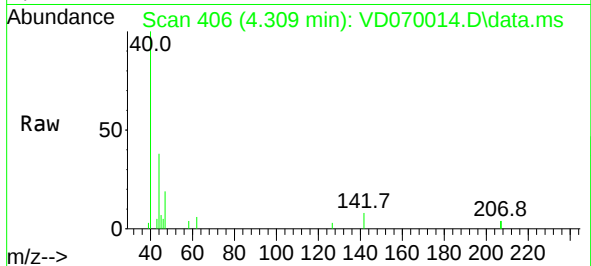




#10
Methyl Iodide
Concen: 3.551 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

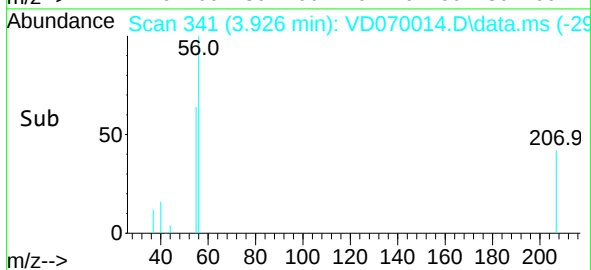
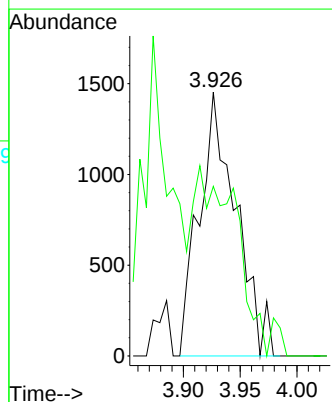
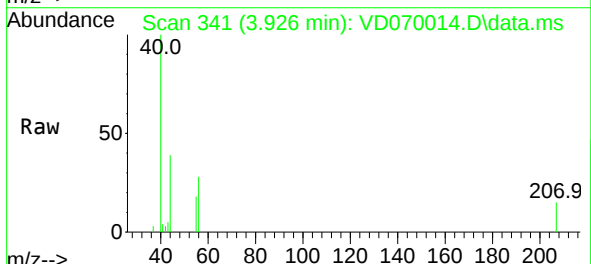
Instrument :
MSVOA_D
ClientSampled :

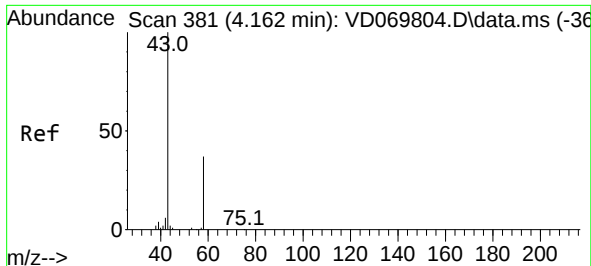
Tgt Ion:142 Resp: 860
Ion Ratio Lower Upper
142 100
127 25.0 35.7 53.5#
141 7.1 12.0 18.0#



#13
Acrolein
Concen: 5.355 ug/l
RT: 3.926 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 56 Resp: 3256
Ion Ratio Lower Upper
56 100
55 83.6 57.2 85.8

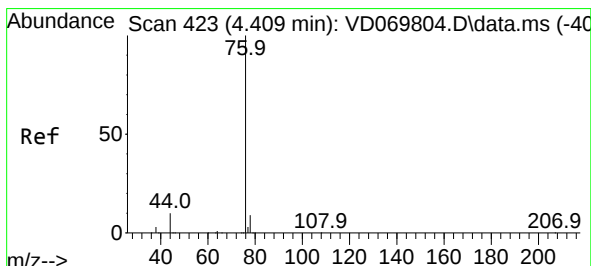
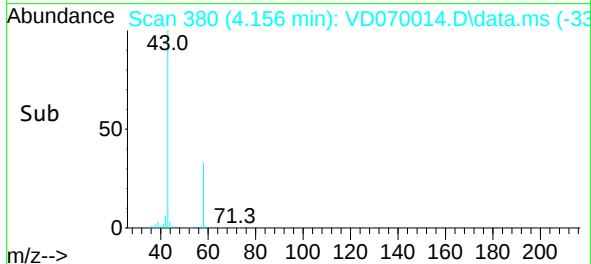
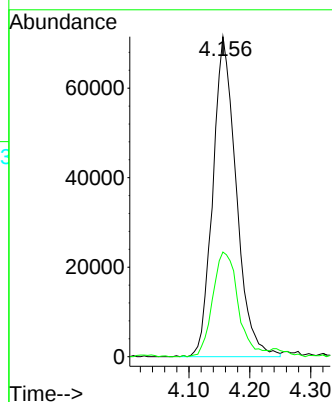
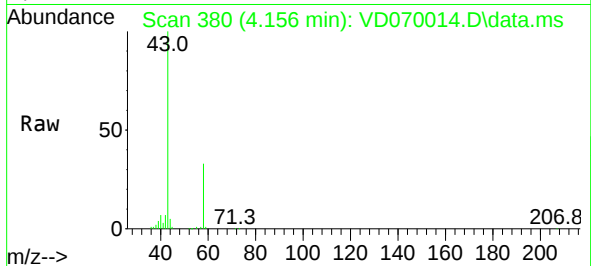




#16
Acetone
Concen: 125.910 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

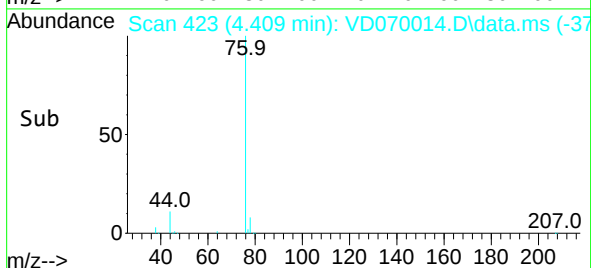
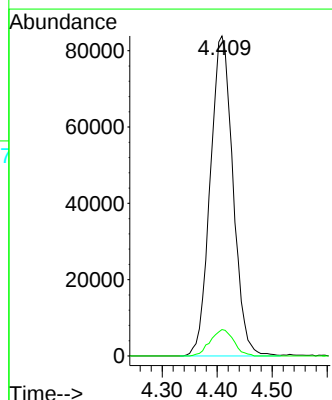
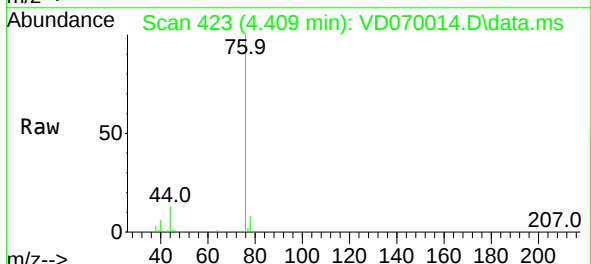
Instrument :
MSVOA_D
ClientSampleId :

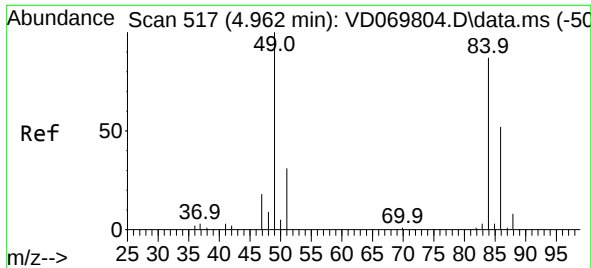
Tgt Ion: 43 Resp: 190929
Ion Ratio Lower Upper
43 100
58 32.7 29.4 44.0



#17
Carbon Disulfide
Concen: 8.077 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

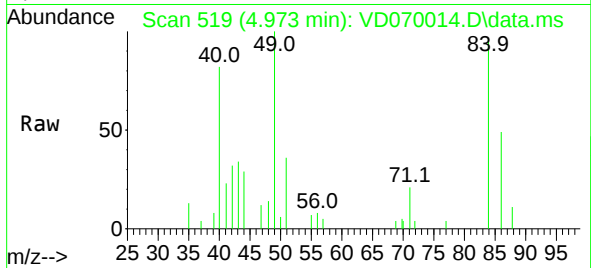
Tgt Ion: 76 Resp: 241175
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9



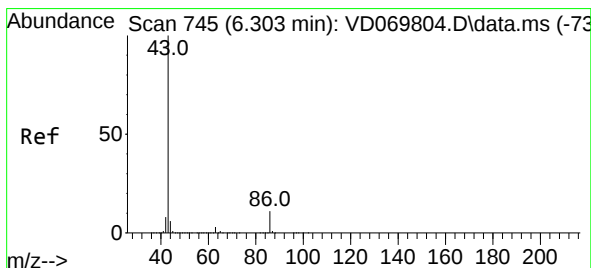
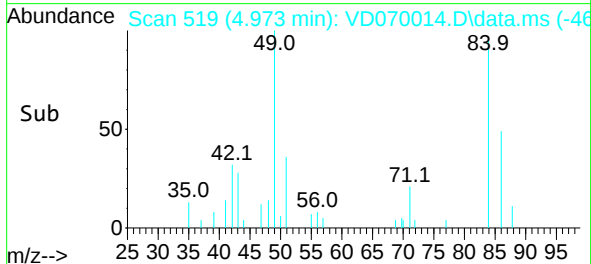
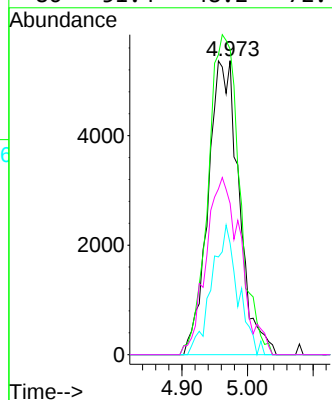


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Instrument :
MSVOA_D
ClientSampleId :

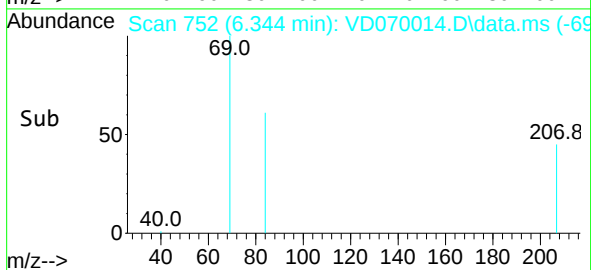
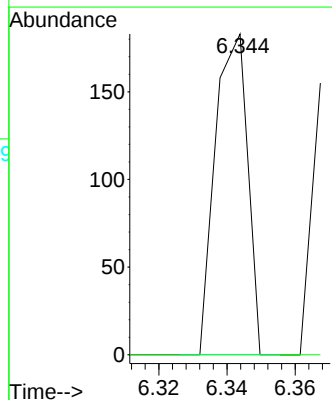
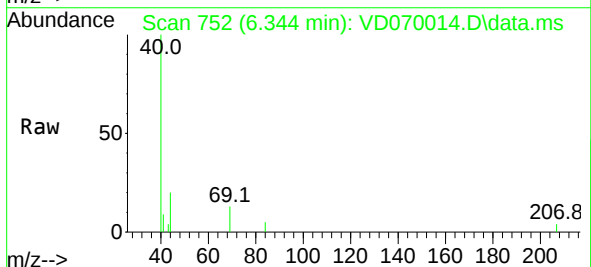


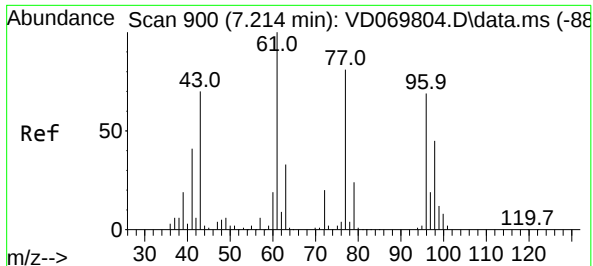
Tgt Ion: 84	Resp: 17570
Ion Ratio	Lower Upper
84 100	
49 103.9	92.4 138.6
51 37.8	28.5 42.7
86 51.4	48.2 72.4



#23
Vinyl Acetate
Concen: 20.357 ug/l
RT: 6.344 min Scan# 752
Delta R.T. 0.041 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 43	Resp: 120
Ion Ratio	Lower Upper
43 100	
86 0.0	8.6 13.0#





#25

2-Butanone

Concen: 30.699 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD070014.D

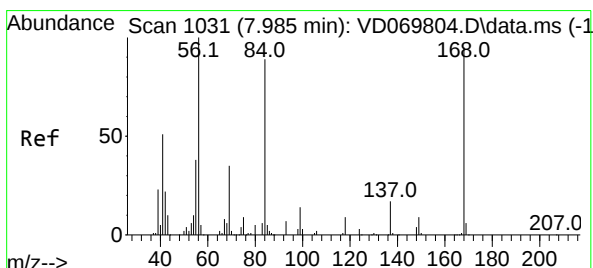
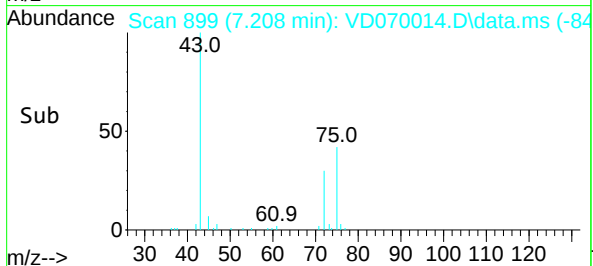
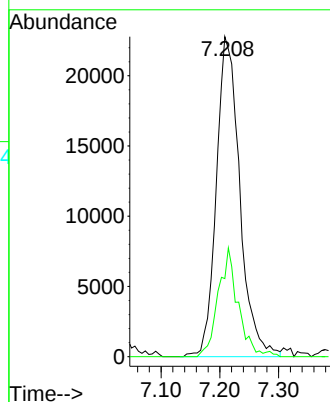
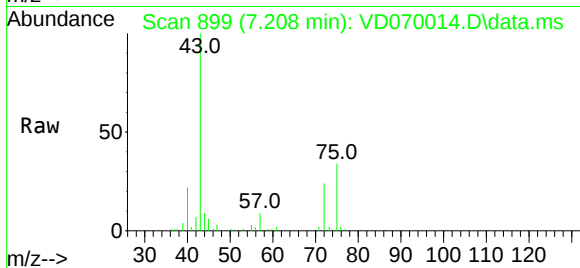
Acq: 09 Aug 2021 23:40

Tgt Ion: 43 Resp: 63129

Ion Ratio Lower Upper

43 100

72 24.4 22.8 34.2



#31

Cyclohexane

Concen: 1.986 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.024 min

Lab File: VD070014.D

Acq: 09 Aug 2021 23:40

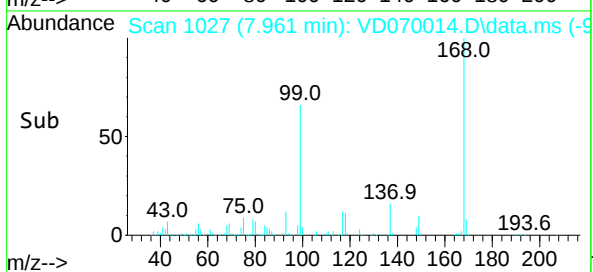
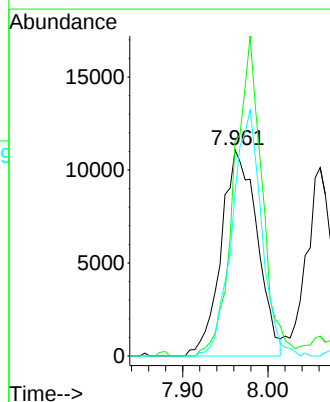
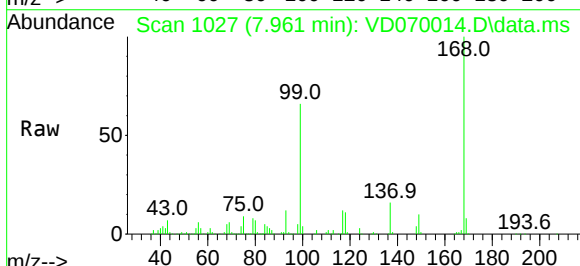
Tgt Ion: 56 Resp: 32578

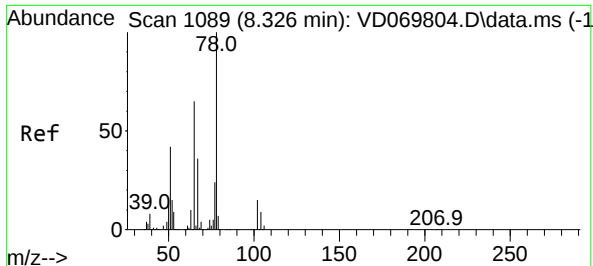
Ion Ratio Lower Upper

56 100

69 104.1 27.9 41.9#

84 79.3 71.4 107.2



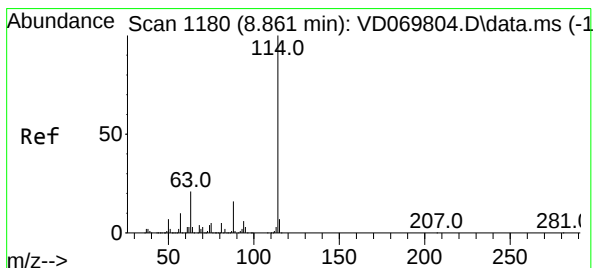
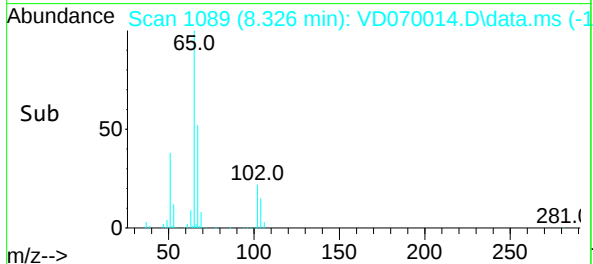
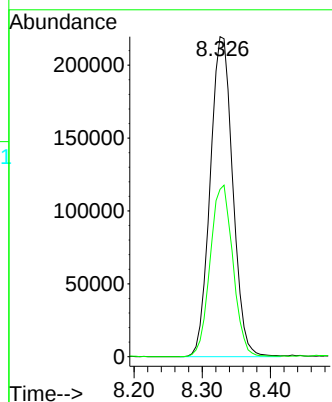
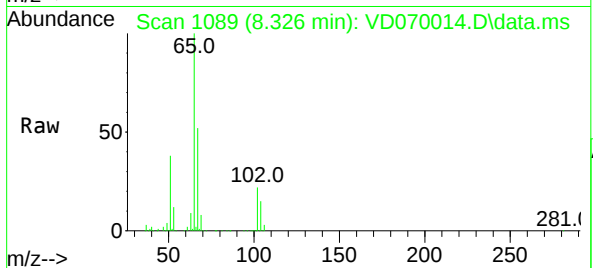


#33

1,2-Dichloroethane-d4
Concen: 60.179 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Instrument :
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ClientSampleId :

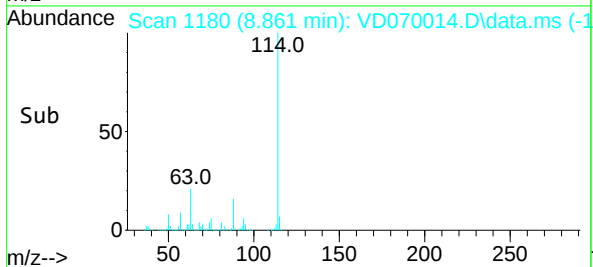
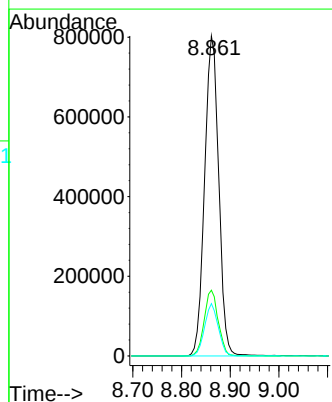
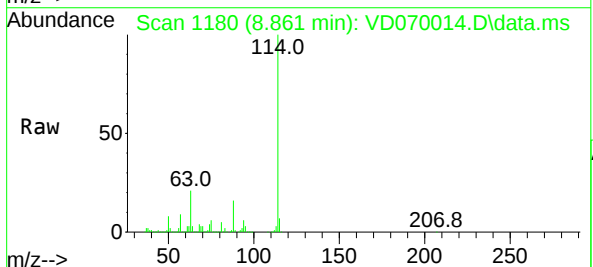
Tgt Ion: 65 Resp: 505160
Ion Ratio Lower Upper
65 100
67 54.1 0.0 111.2

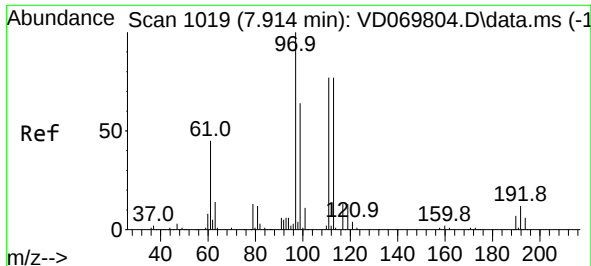


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 114 Resp: 1613506
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.6
88 16.3 0.0 31.4

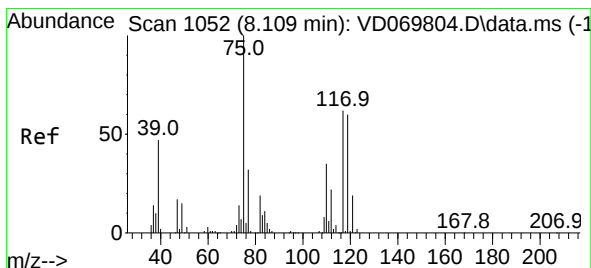
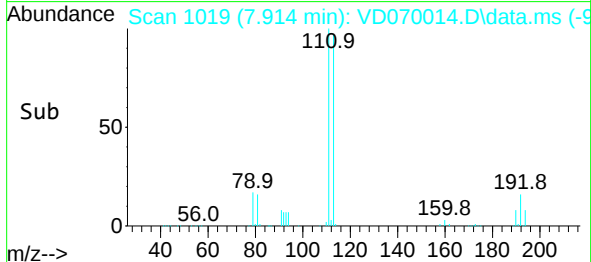
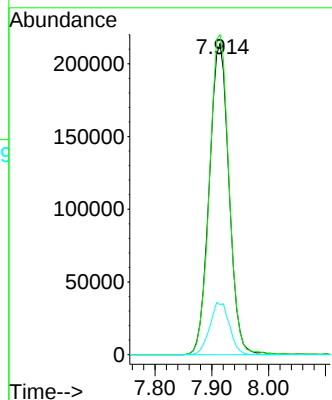
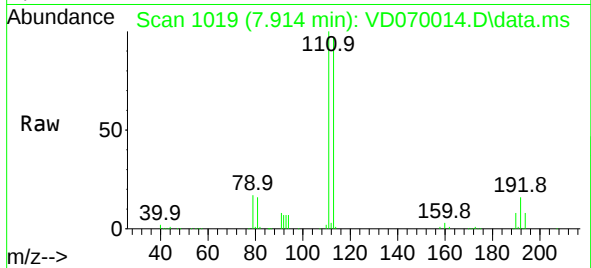




#35
Dibromofluoromethane
Concen: 50.750 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

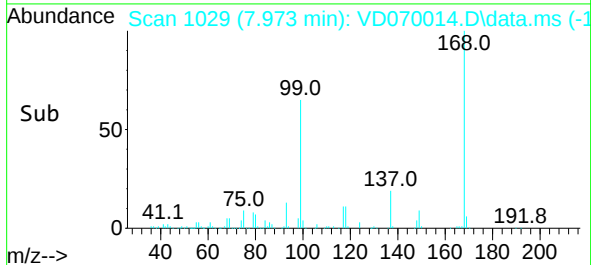
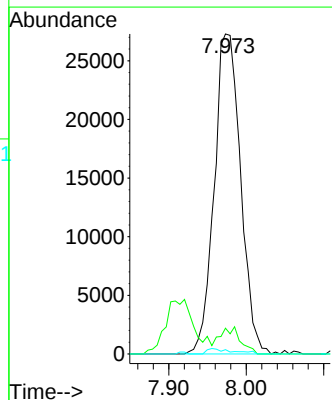
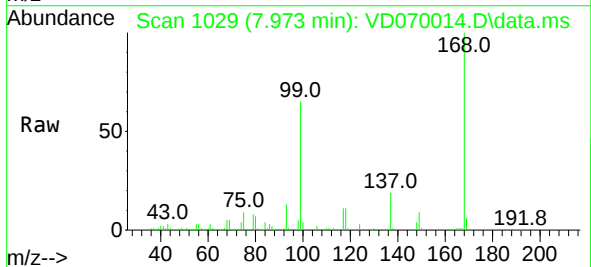
Instrument :
MSVOA_D
ClientSampleId :

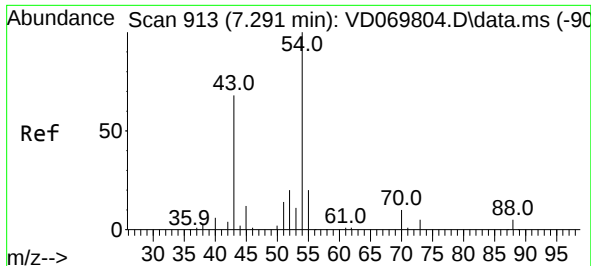
Tgt Ion:113 Resp: 516204
Ion Ratio Lower Upper
113 100
111 102.0 80.5 120.7
192 16.7 12.6 19.0



#36
1,1-Dichloropropene
Concen: 3.705 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 75 Resp: 64521
Ion Ratio Lower Upper
75 100
110 6.6 16.9 50.7#
77 0.0 24.9 37.3#

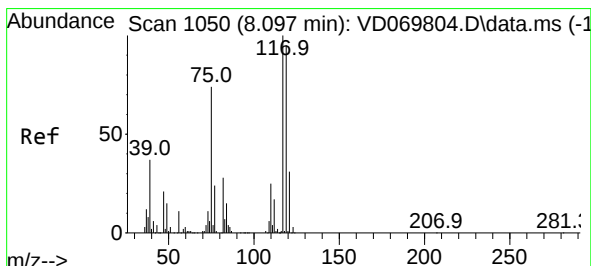
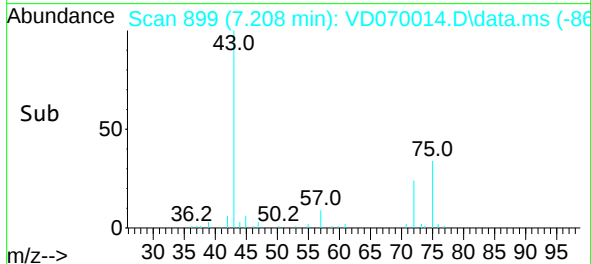
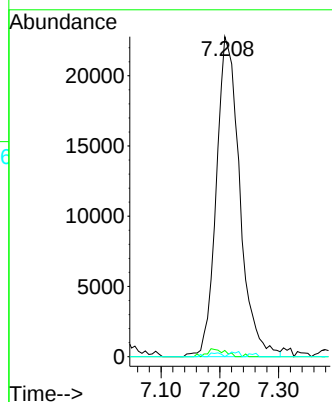
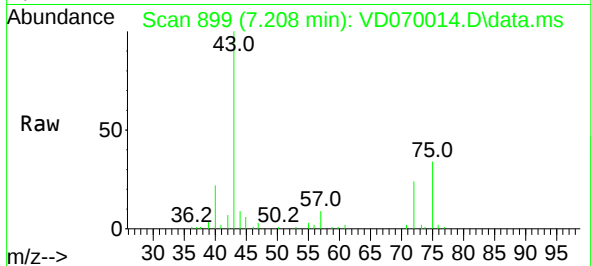




#37
Ethyl Acetate
Concen: 9.959 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

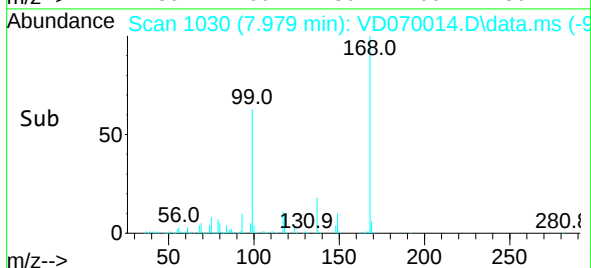
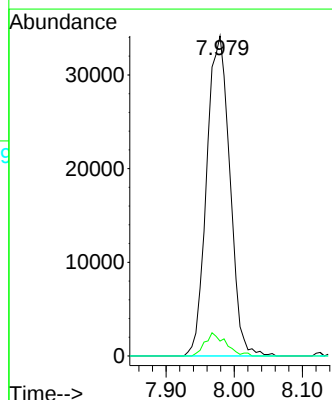
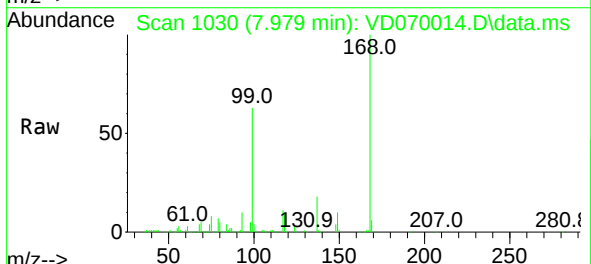
Instrument :
MSVOA_D
ClientSampled :

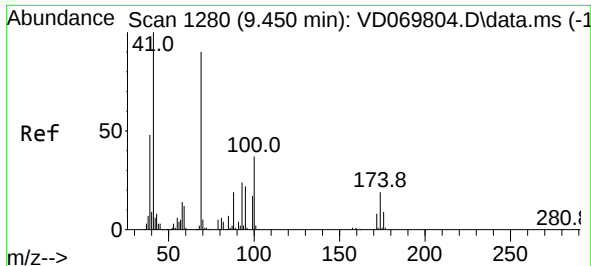
Tgt Ion: 43 Resp: 63129
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.5 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.078 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 117 Resp: 80773
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 3.525 ug/l

RT: 9.491 min Scan# 1287

Delta R.T. 0.041 min

Lab File: VD070014.D

Acq: 09 Aug 2021 23:40

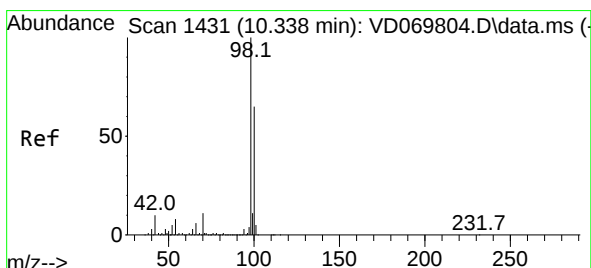
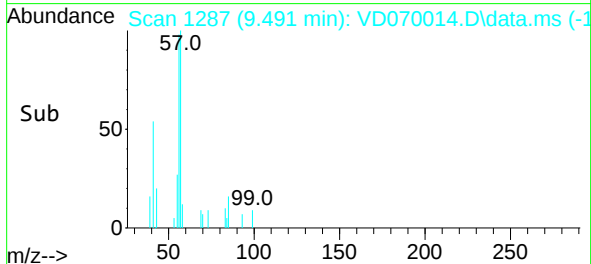
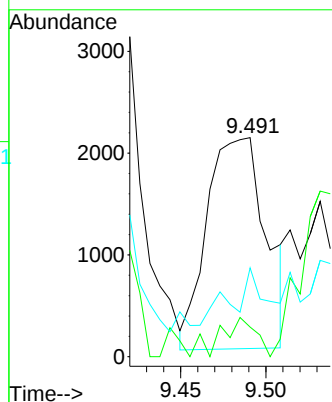
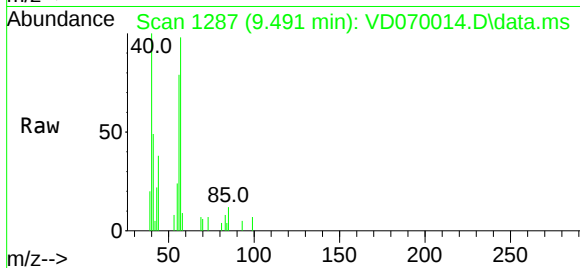
Tgt Ion: 41 Resp: 4982

Ion Ratio Lower Upper

41 100

69 11.4 73.4 110.2#

39 28.0 36.6 55.0#



#50

Toluene-d8

Concen: 53.438 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD070014.D

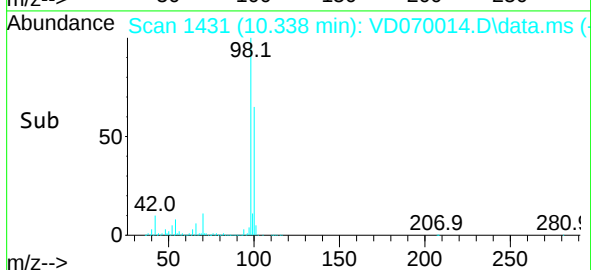
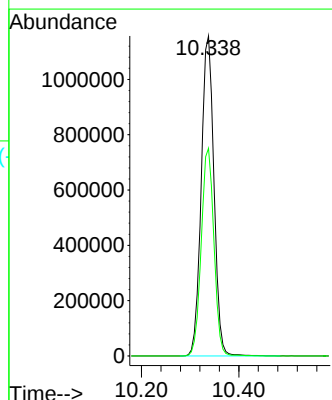
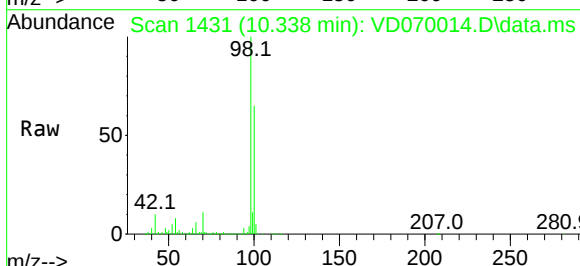
Acq: 09 Aug 2021 23:40

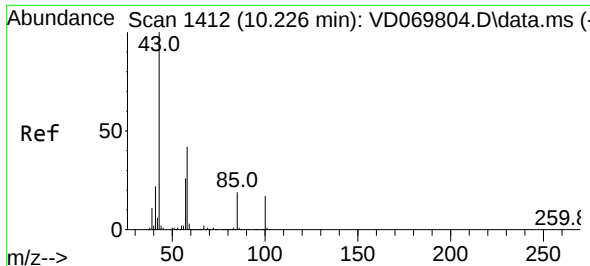
Tgt Ion: 98 Resp: 2095891

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9

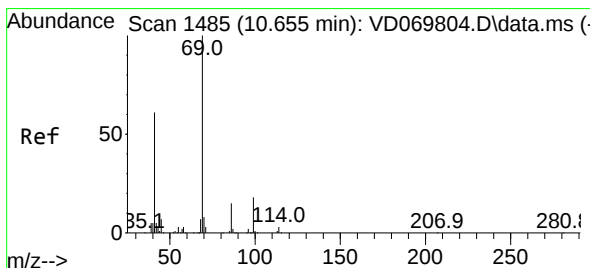
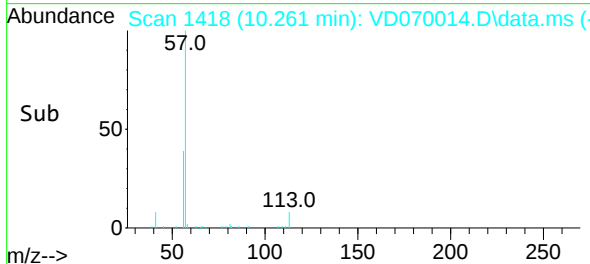
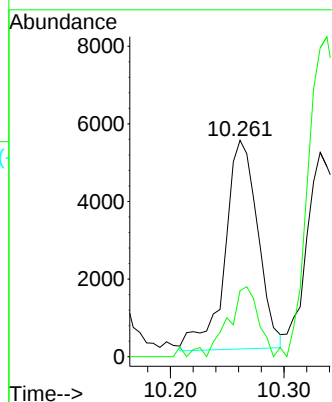
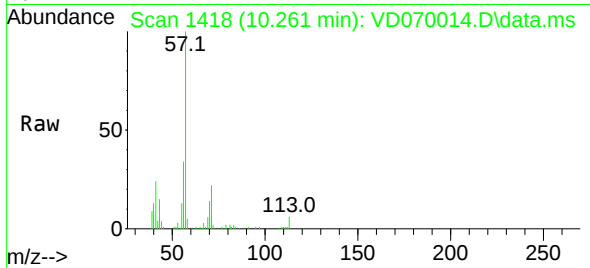




#51
4-Methyl-2-Pentanone
Concen: 1.832 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.035 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

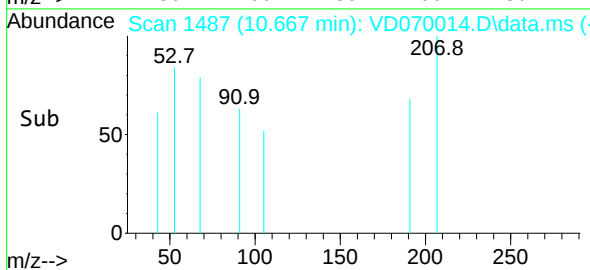
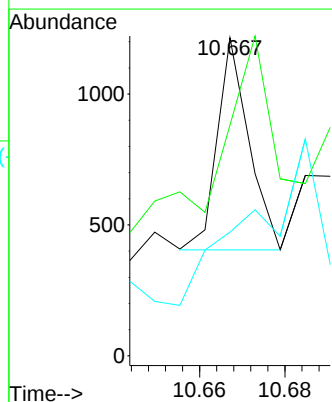
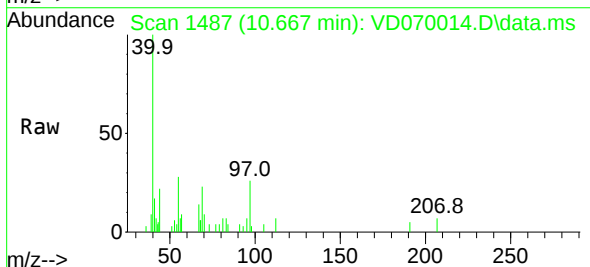
Instrument :
MSVOA_D
ClientSampled :

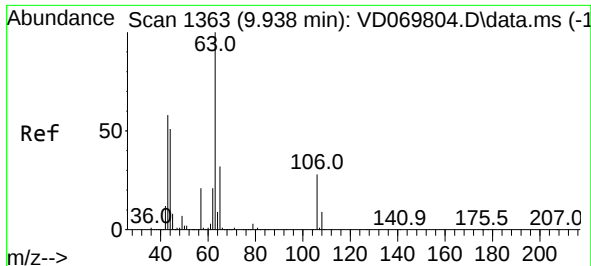
Tgt Ion: 43 Resp: 10836
Ion Ratio Lower Upper
43 100
58 31.1 33.7 50.5#



#56
Ethyl methacrylate
Concen: 3.930 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 69 Resp: 415
Ion Ratio Lower Upper
69 100
41 155.4 50.2 75.2#
39 0.0 22.0 33.0#

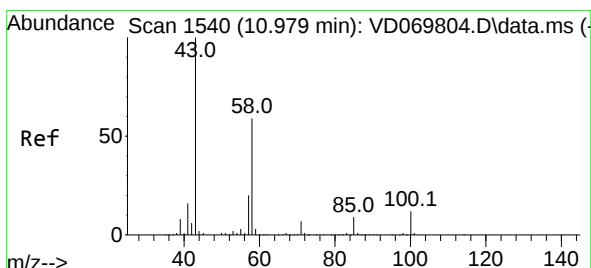
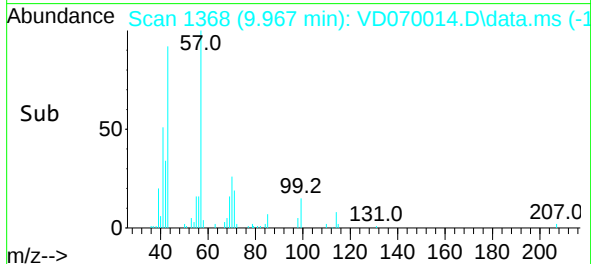
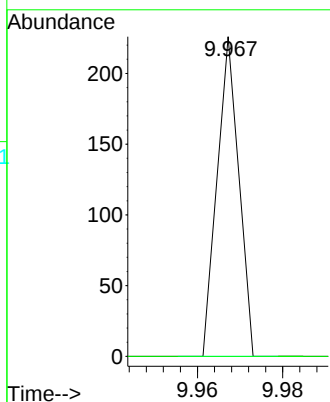
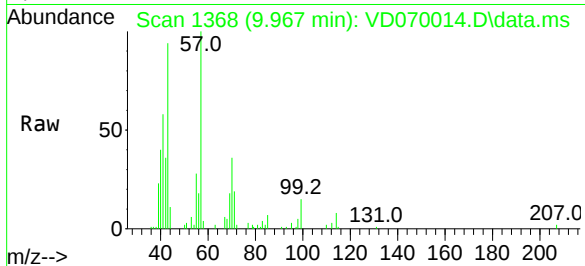




#58
2-Chloroethyl Vinyl ether
Concen: 20.885 ug/l
RT: 9.967 min Scan# 1368
Delta R.T. 0.029 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

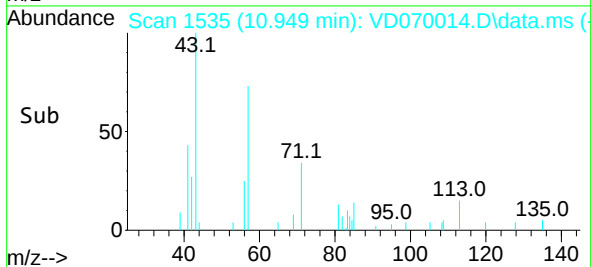
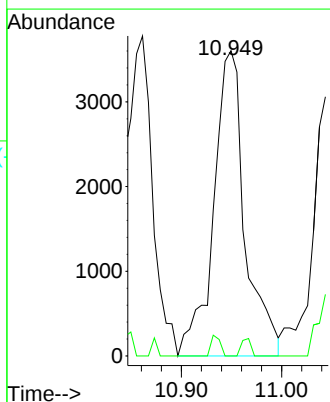
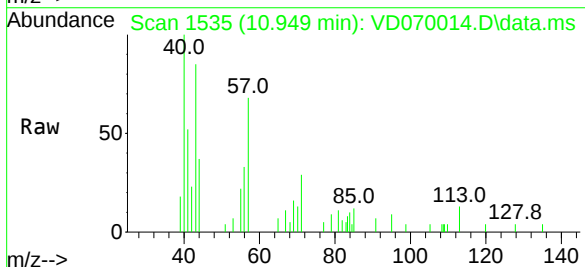
Instrument :
MSVOA_D
ClientSampled :

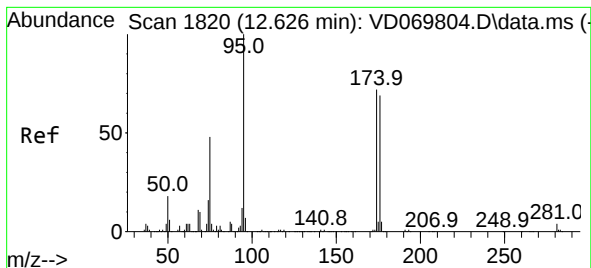
Tgt Ion: 63 Resp: 80
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#59
2-Hexanone
Concen: 1.999 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 43 Resp: 7823
Ion Ratio Lower Upper
43 100
58 1.8 29.4 88.3#

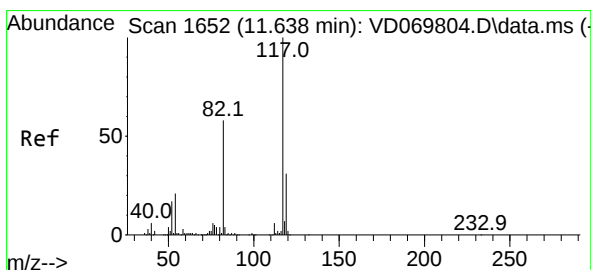
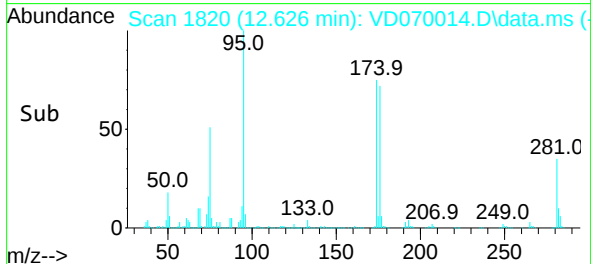
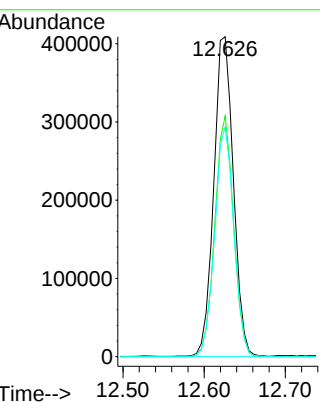
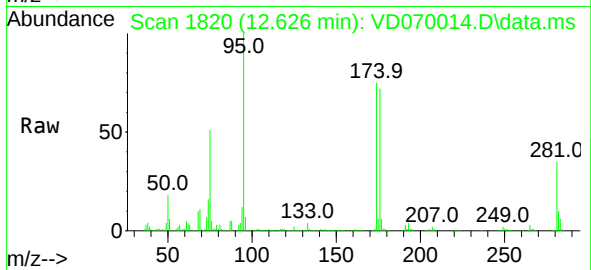




#62
4-Bromofluorobenzene
Concen: 52.301 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

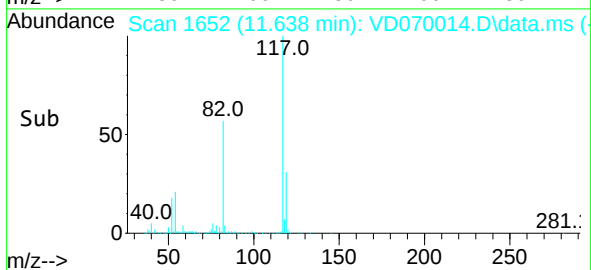
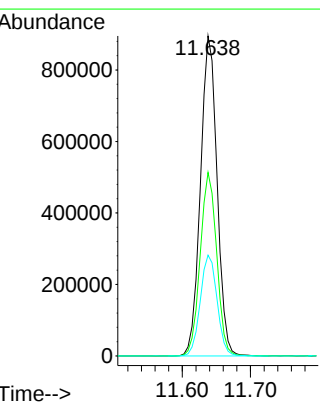
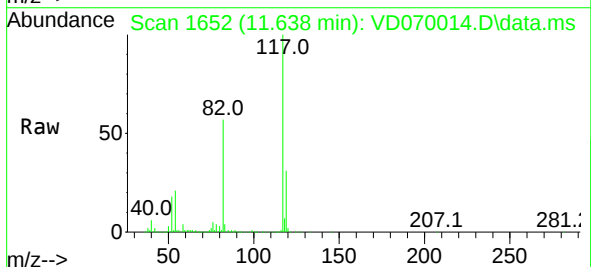
Instrument :
MSVOA_D
ClientSampleId :

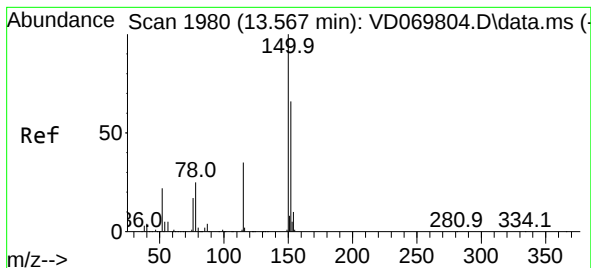
Tgt Ion: 95 Resp: 685550
Ion Ratio Lower Upper
95 100
174 72.4 0.0 142.6
176 70.3 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion:117 Resp: 1516133
Ion Ratio Lower Upper
117 100
82 57.3 46.3 69.5
119 31.5 24.7 37.1

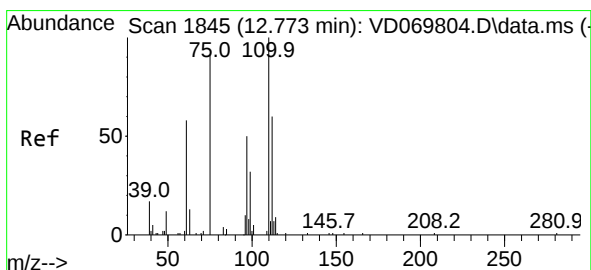
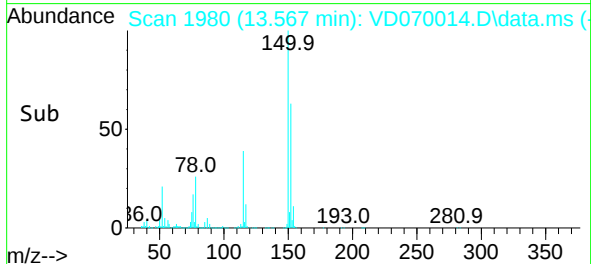
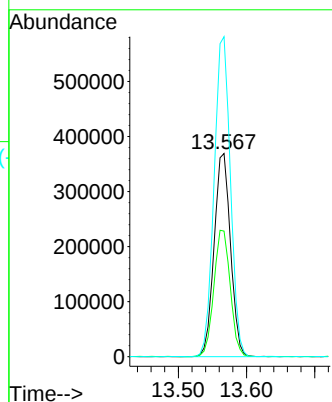
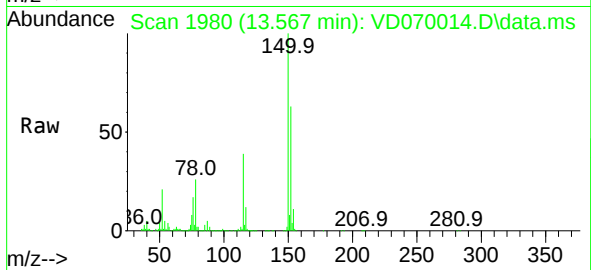




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070014.D
 Acq: 09 Aug 2021 23:40

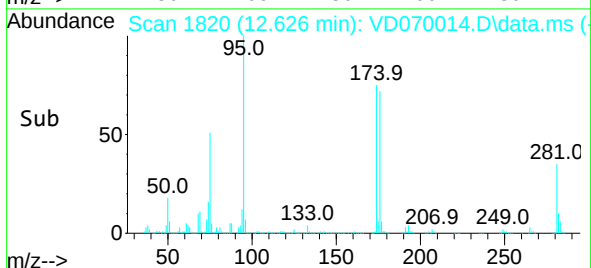
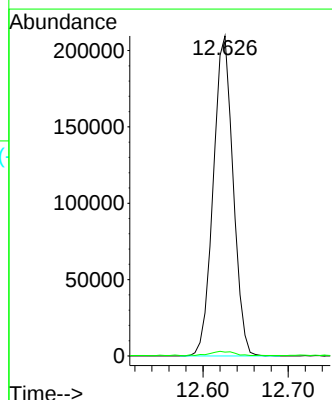
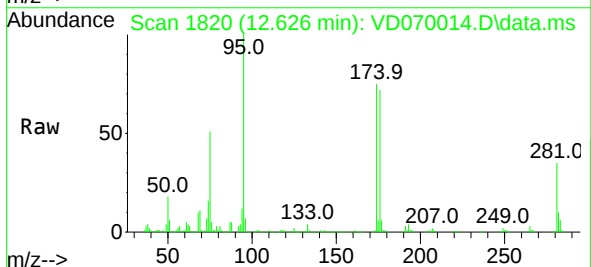
Instrument :
 MSVOA_D
 ClientSampleId :

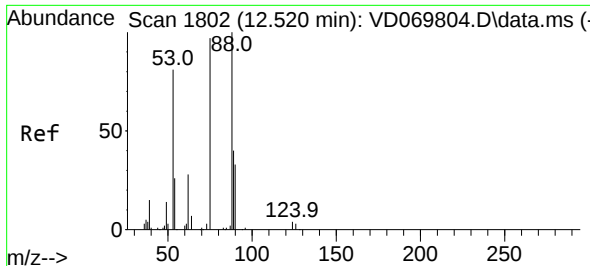
Tgt Ion:152 Resp: 618130
 Ion Ratio Lower Upper
 152 100
 115 62.4 31.1 93.3
 150 156.7 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 51.518 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070014.D
 Acq: 09 Aug 2021 23:40

Tgt Ion: 75 Resp: 338484
 Ion Ratio Lower Upper
 75 100
 77 1.8 181.5 544.5#

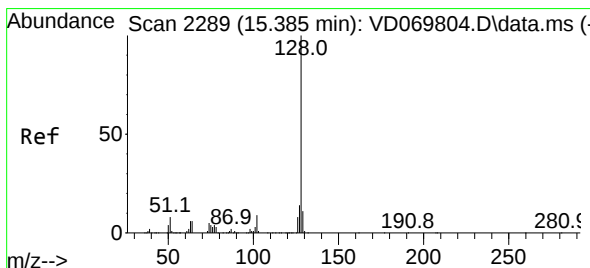
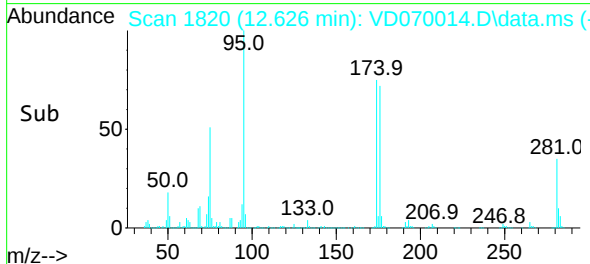
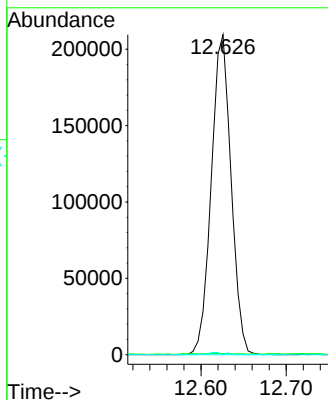
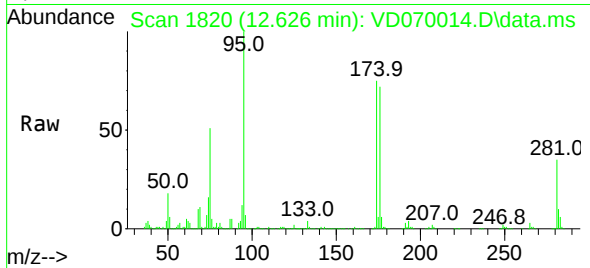




#81
trans-1,4-Dichloro-2-butene
Concen: 156.291 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 338484
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.5 35.8 53.6#



#95
Naphthalene
Concen: 5.089 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD070014.D
Acq: 09 Aug 2021 23:40

Tgt Ion: 128 Resp: 2028
Ion Ratio Lower Upper
128 100
127 4.0 10.6 16.0#
129 0.0 8.6 12.8#

