

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071314.D
 Acq On : 14 Dec 2021 12:11
 Operator : VA/SY
 Sample : M5022-09RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:27:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

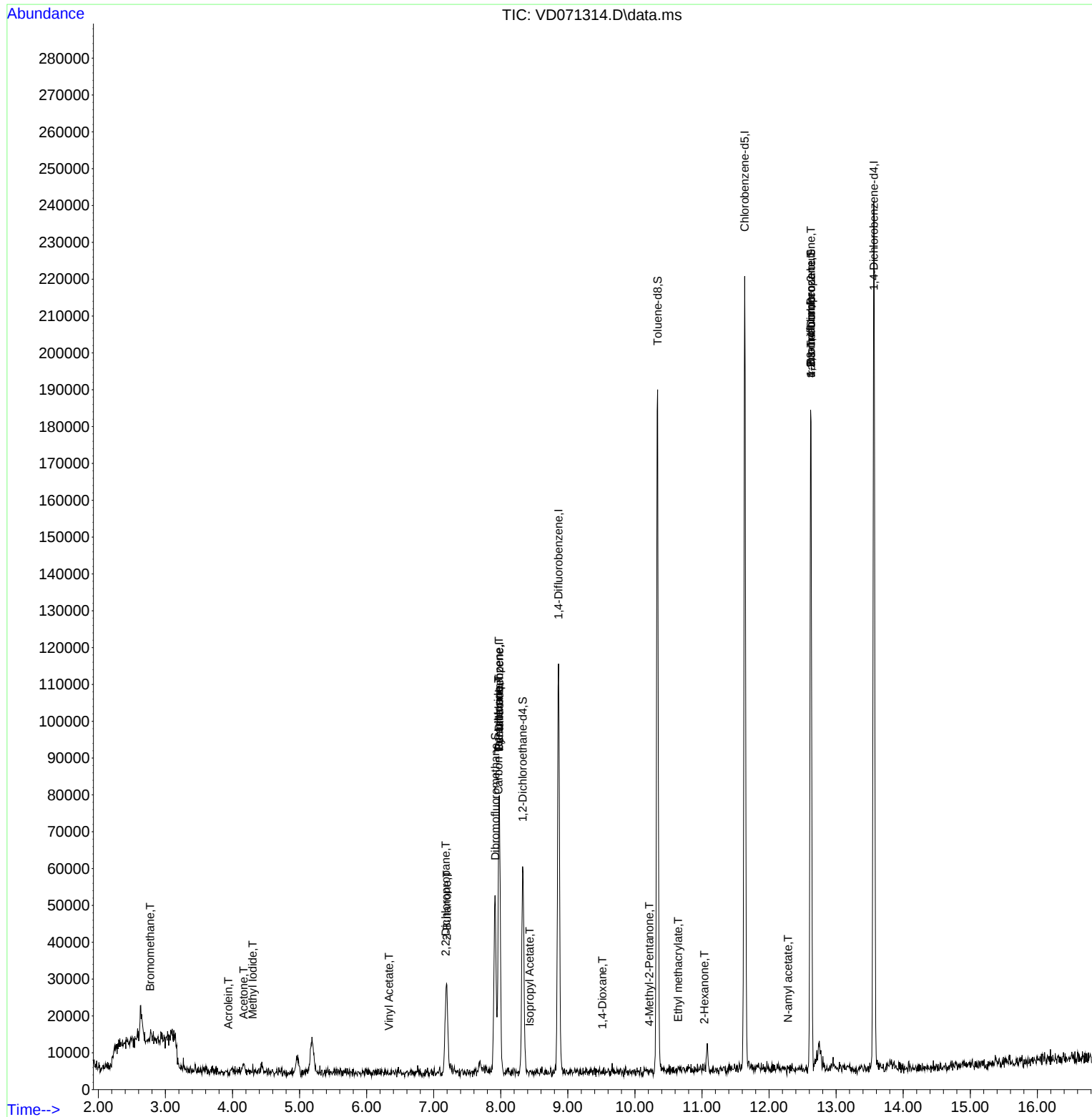
Internal Standards						
1) Pentafluorobenzene	7.979	168	50896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	86668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	109707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	59278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	43914	73.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.060%	
35) Dibromofluoromethane	7.920	113	32669	59.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.380%	
50) Toluene-d8	10.337	98	118598	56.469	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.940%	
62) 4-Bromofluorobenzene	12.626	95	55614	76.391	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 152.780%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1029	2.228	ug/l #	4
10) Methyl Iodide	4.302	142	262	4.961	ug/l #	40
11) Tert butyl alcohol	5.167	59	2488	Below Cal	#	87
13) Acrolein	3.938	56	64	1.568	ug/l #	13
16) Acetone	4.167	43	4075	53.327	ug/l	90
20) Methylene Chloride	4.955	84	1528	Below Cal		98
23) Vinyl Acetate	6.332	43	327	27.518	ug/l #	72
25) 2-Butanone	7.196	43	1044	33.413	ug/l #	45
26) 2,2-Dichloropropane	7.179	77	1517	1.613	ug/l #	52
31) Cyclohexane	7.973	56	1800	1.772	ug/l #	28
36) 1,1-Dichloropropene	7.973	75	5158	6.368	ug/l #	48
38) Carbon Tetrachloride	7.967	117	5882	7.366	ug/l #	12
41) Methacrylonitrile	7.520	41	213	Below Cal	#	24
43) Isopropyl Acetate	8.432	43	133	5.378	ug/l #	47
49) 1,4-Dioxane	9.514	88	73	25.191	ug/l #	11
51) 4-Methyl-2-Pentanone	10.214	43	167	31.023	ug/l #	73
56) Ethyl methacrylate	10.643	69	58	6.060	ug/l #	1
59) 2-Hexanone	11.037	43	124	34.933	ug/l	85
71) Bromoform	12.620	173	619	1.608	ug/l #	1
74) N-amyl acetate	12.284	43	345	5.961	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	33375	59.094	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	33375	128.031	ug/l #	19

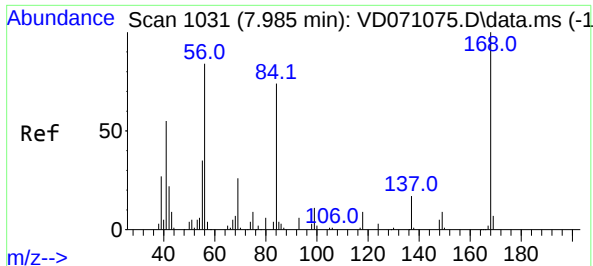
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

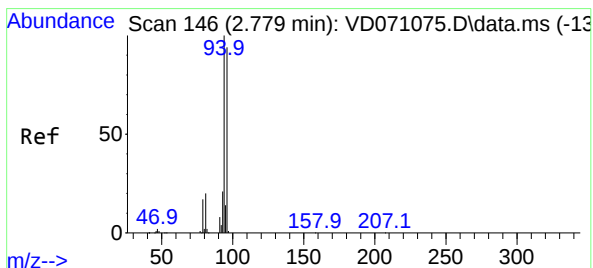
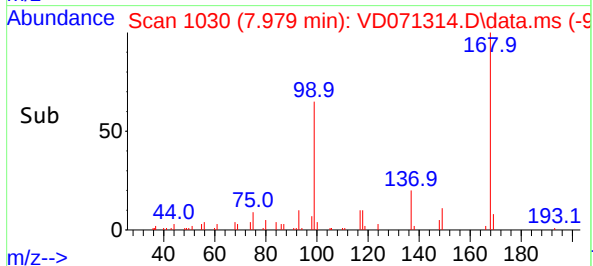
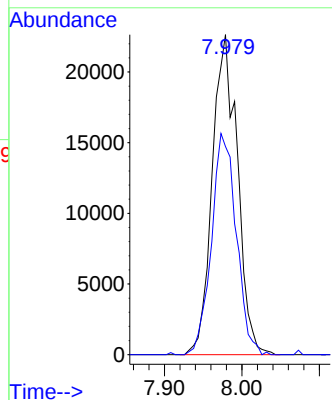
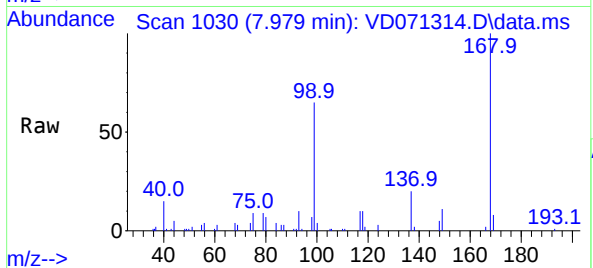




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

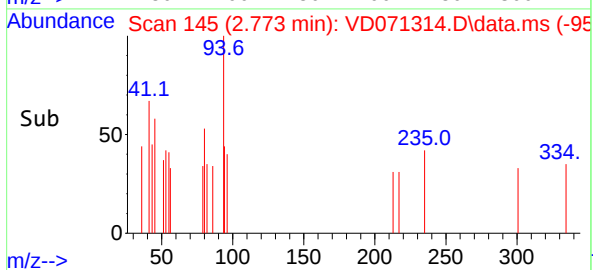
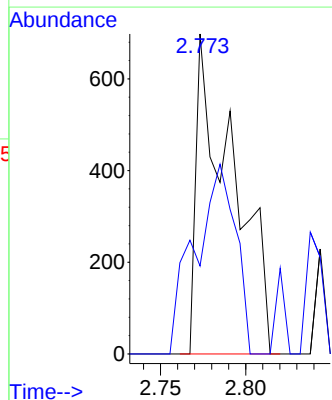
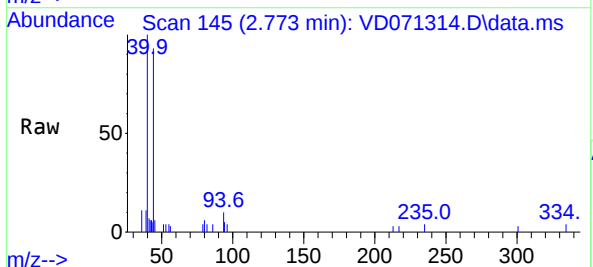
Instrument :
MSVOA_D
ClientSampleId :

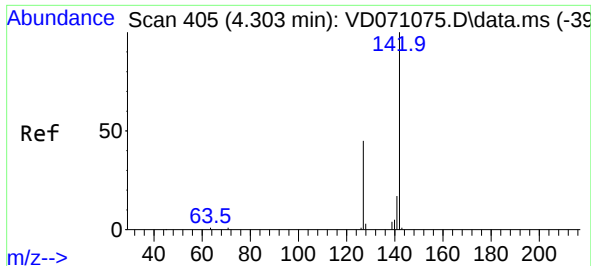
Tgt Ion:168 Resp: 50896
Ion Ratio Lower Upper
168 100
99 65.1 46.6 69.8



#5
Bromomethane
Concen: 2.228 ug/l
RT: 2.773 min Scan# 145
Delta R.T. -0.006 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

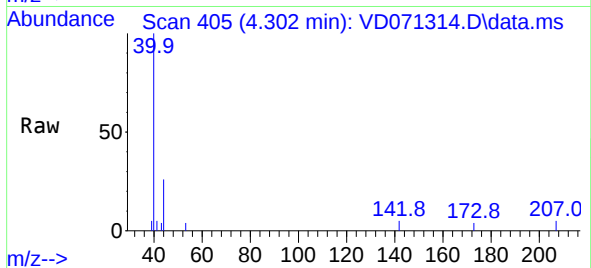
Tgt Ion: 94 Resp: 1029
Ion Ratio Lower Upper
94 100
96 0.7 74.8 112.2#



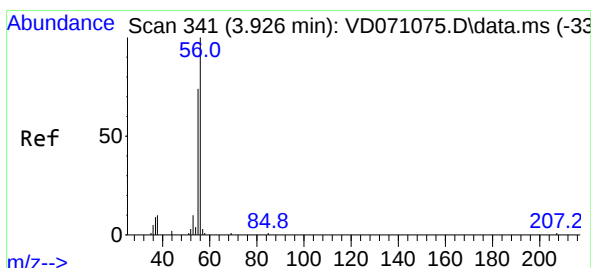
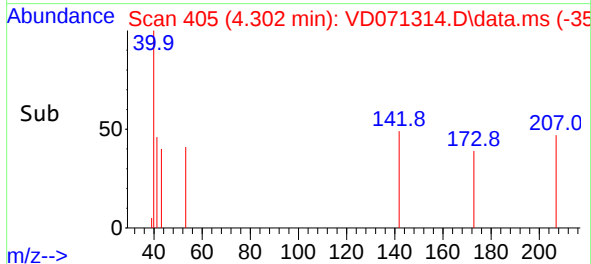
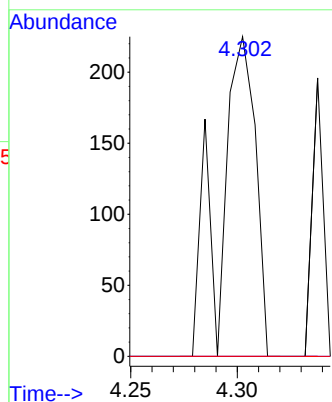


#10
Methyl Iodide
Concen: 4.961 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Instrument :
MSVOA_D
ClientSampleId :

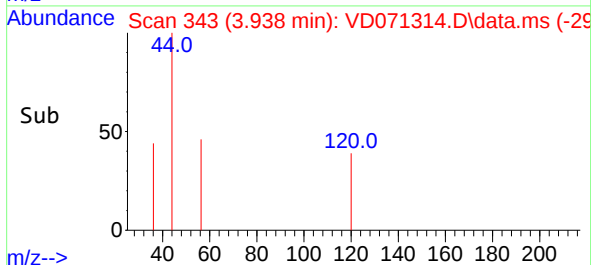
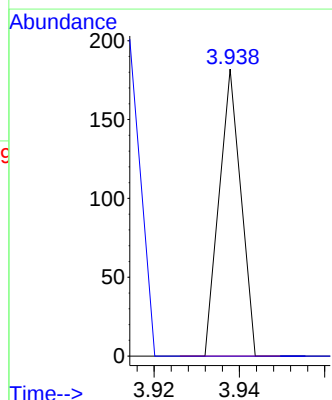
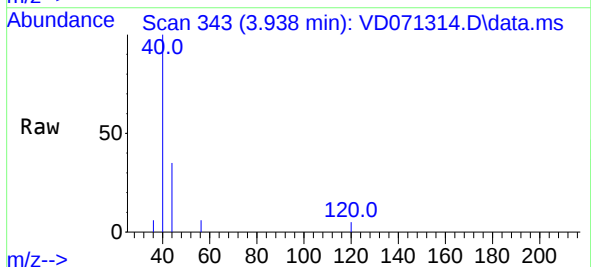


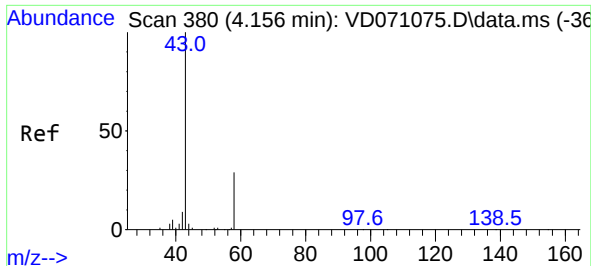
Tgt Ion:142 Resp: 262
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 1.568 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

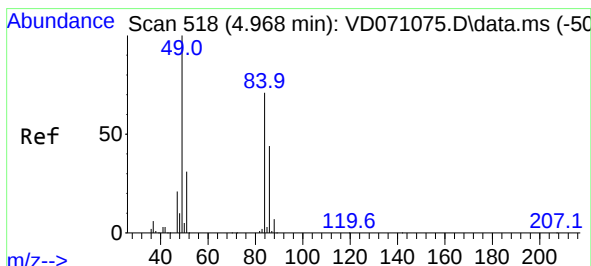
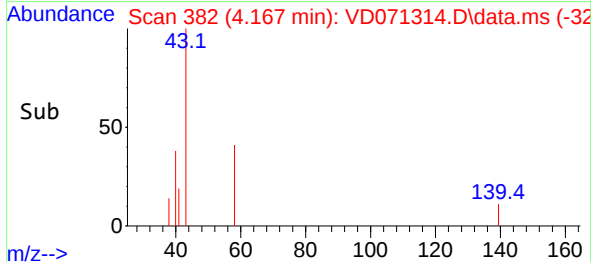
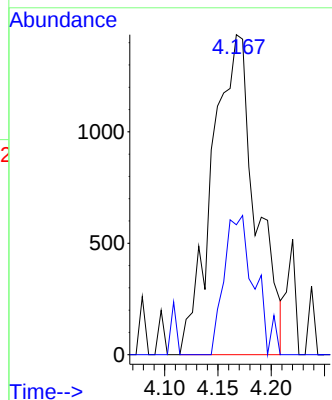
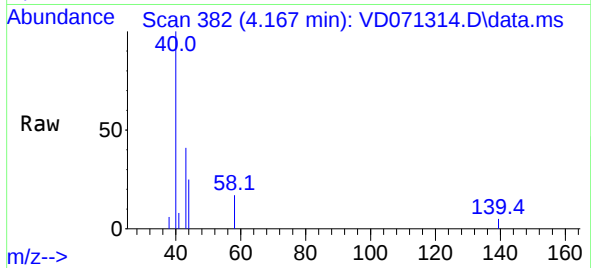




#16
Acetone
Concen: 53.327 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.011 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

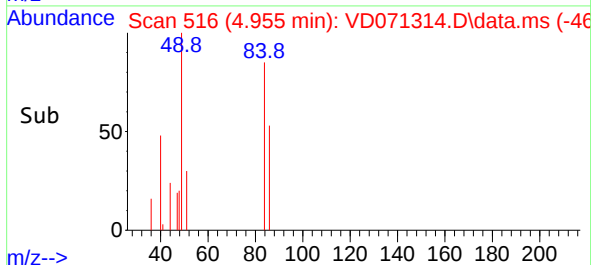
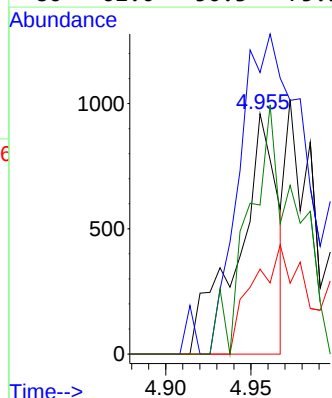
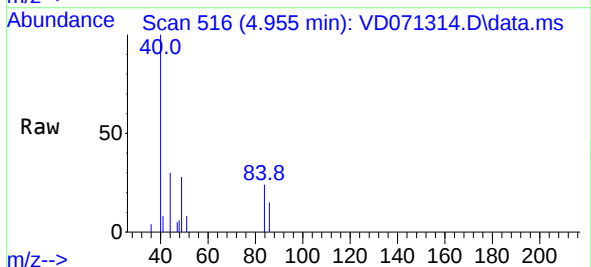
Instrument :
MSVOA_D
ClientSampleId :

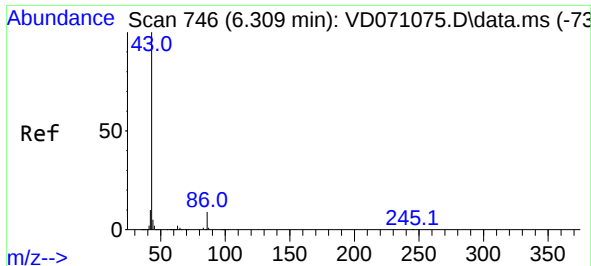
Tgt Ion: 43 Resp: 4075
Ion Ratio Lower Upper
43 100
58 40.6 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. -0.013 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Tgt Ion: 84 Resp: 1528
Ion Ratio Lower Upper
84 100
49 117.2 95.8 143.6
51 35.3 30.9 46.3
86 62.0 50.3 75.5

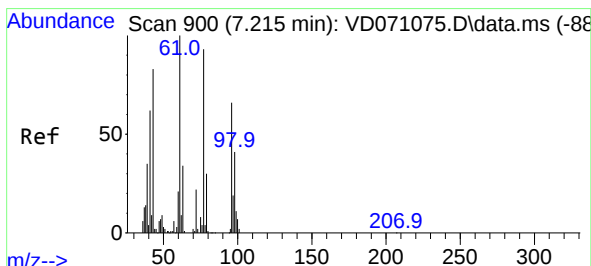
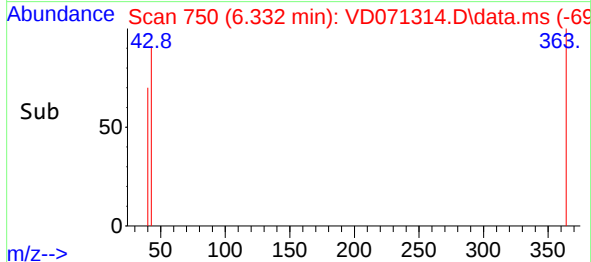
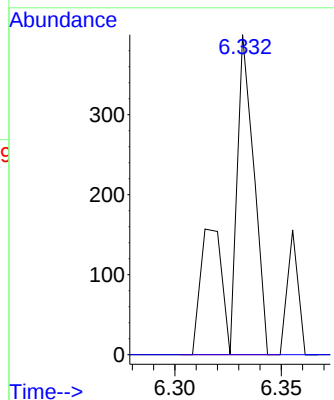
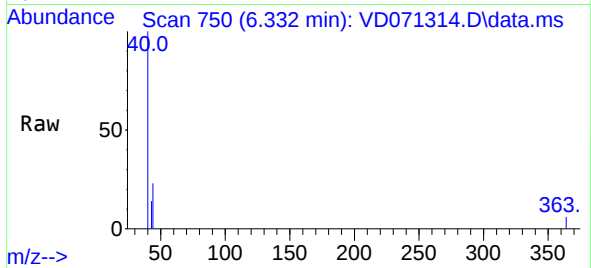




#23
 Vinyl Acetate
 Concen: 27.518 ug/l
 RT: 6.332 min Scan# 71
 Delta R.T. 0.023 min
 Lab File: VD071314.D
 Acq: 14 Dec 2021 12:11

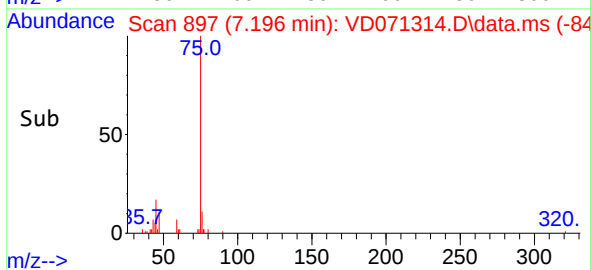
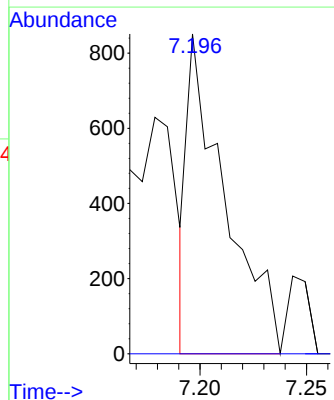
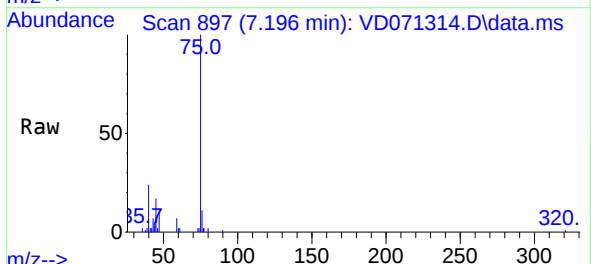
Instrument :
 MSVOA_D
 ClientSampleId :

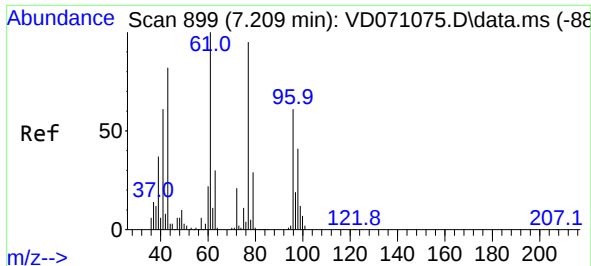
Tgt Ion: 43 Resp: 327
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 33.413 ug/l
 RT: 7.196 min Scan# 897
 Delta R.T. -0.019 min
 Lab File: VD071314.D
 Acq: 14 Dec 2021 12:11

Tgt Ion: 43 Resp: 1044
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#26

2,2-Dichloropropane

Concen: 1.613 ug/l

RT: 7.179 min Scan# 89

Delta R.T. -0.030 min

Lab File: VD071314.D

Acq: 14 Dec 2021 12:11

Instrument :

MSVOA_D

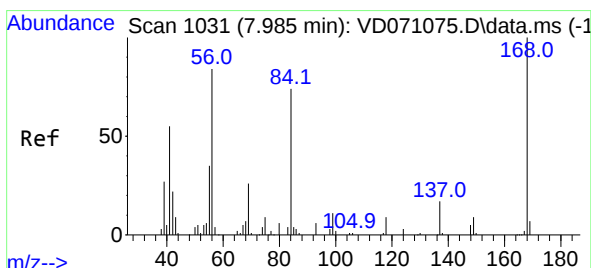
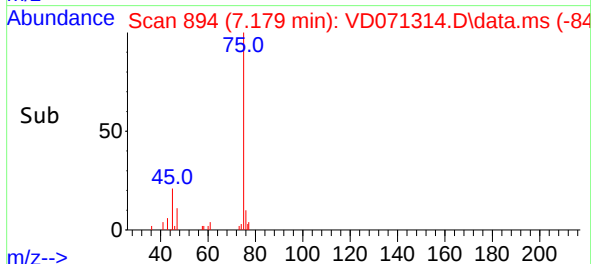
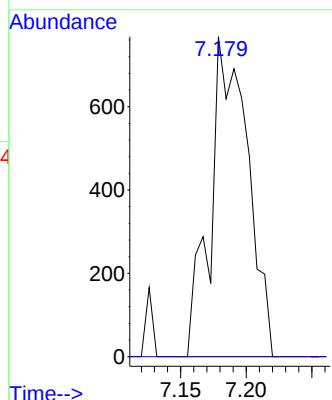
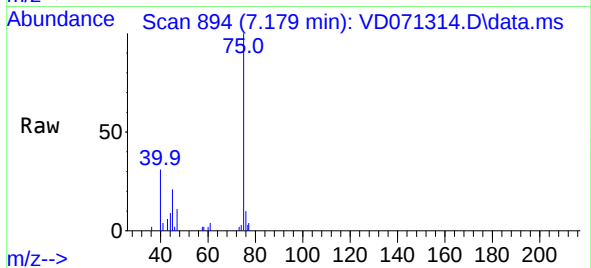
ClientSampleId :

Tgt Ion: 77 Resp: 1517

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#



#31

Cyclohexane

Concen: 1.772 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071314.D

Acq: 14 Dec 2021 12:11

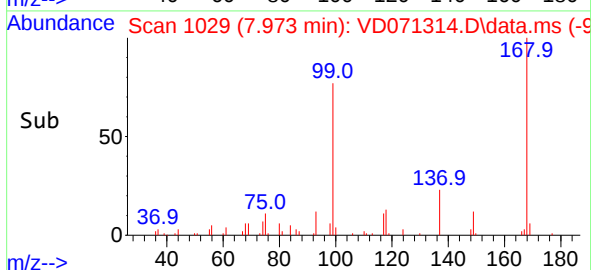
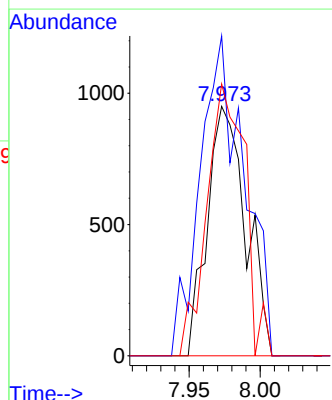
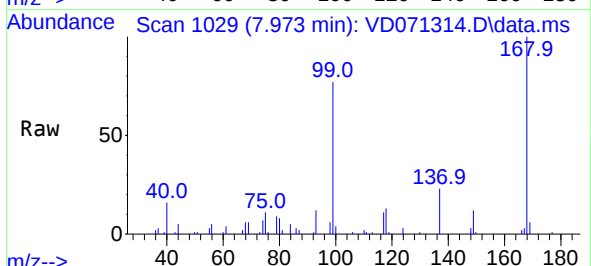
Tgt Ion: 56 Resp: 1800

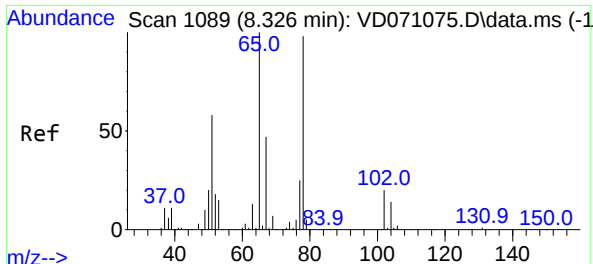
Ion Ratio Lower Upper

56 100

69 128.2 25.9 38.9#

84 108.9 64.3 96.5#

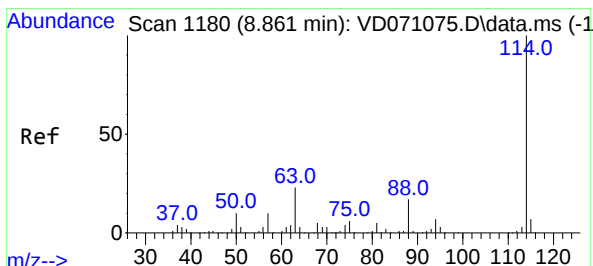
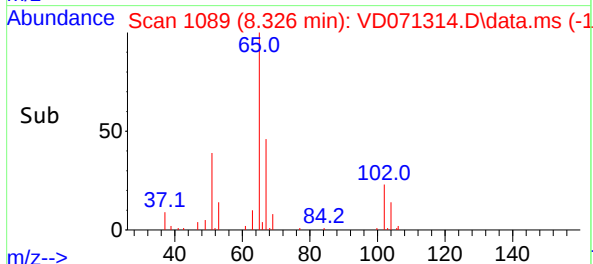
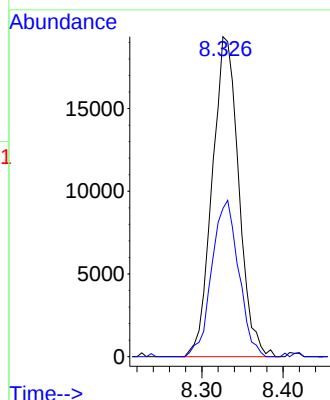
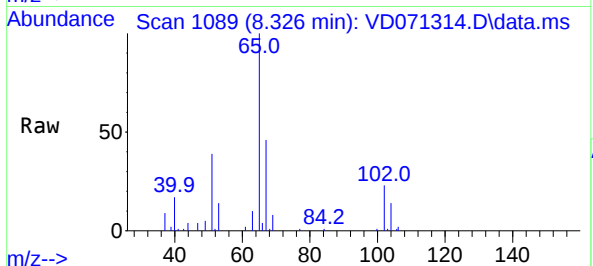




#33
1,2-Dichloroethane-d4
Concen: 73.532 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

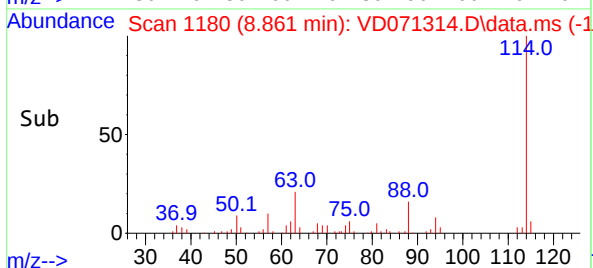
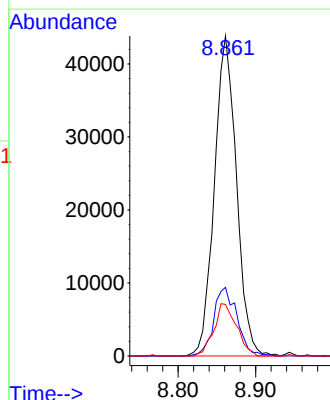
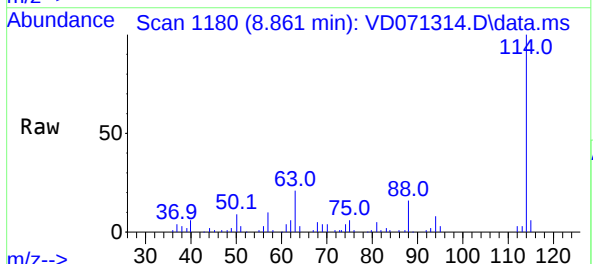
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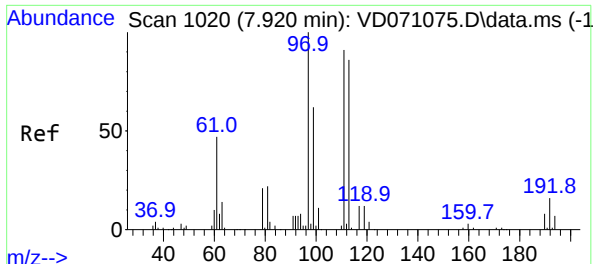
Tgt Ion: 65 Resp: 43914
Ion Ratio Lower Upper
65 100
67 49.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Tgt Ion:114 Resp: 86668
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.8
88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 59.194 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

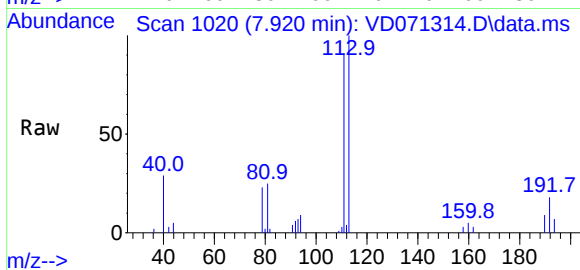
Lab File: VD071314.D

Acq: 14 Dec 2021 12:11

Instrument :

MSVOA_D

ClientSampleId :



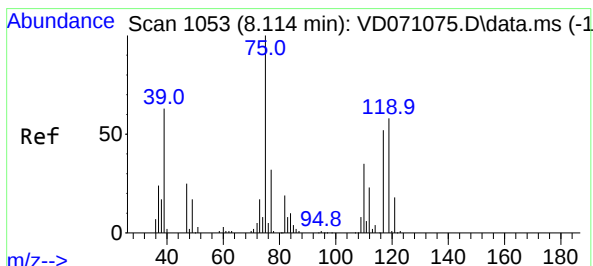
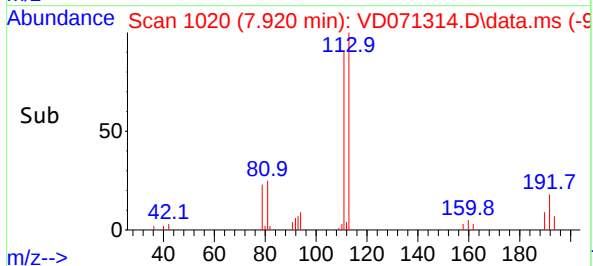
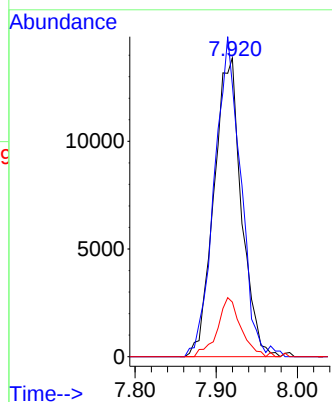
Tgt Ion:113 Resp: 32669

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 17.0 15.2 22.8



#36

1,1-Dichloropropene

Concen: 6.368 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071314.D

Acq: 14 Dec 2021 12:11

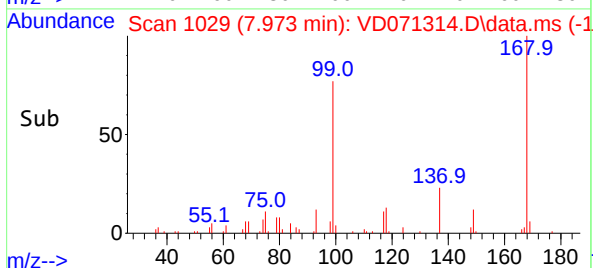
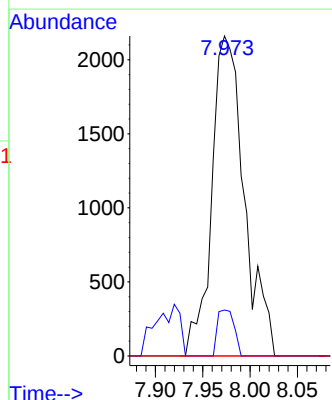
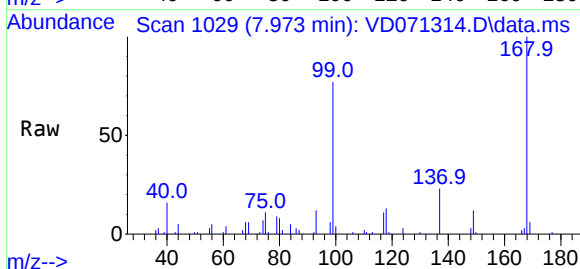
Tgt Ion: 75 Resp: 5158

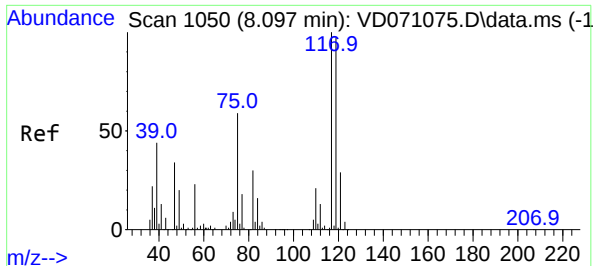
Ion Ratio Lower Upper

75 100

110 7.4 17.8 53.4#

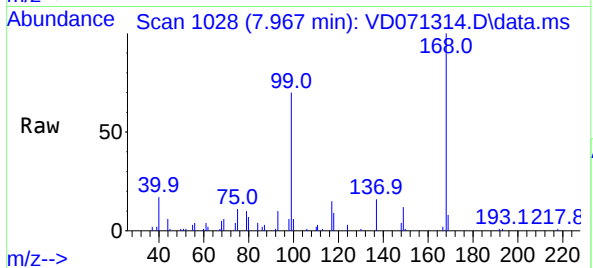
77 0.0 24.8 37.2#



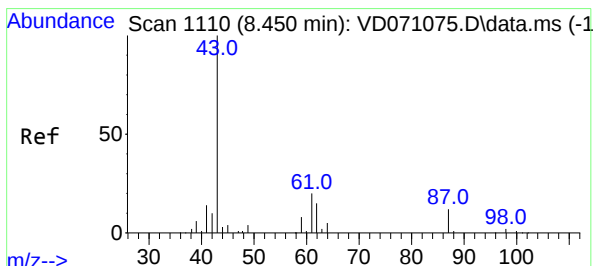
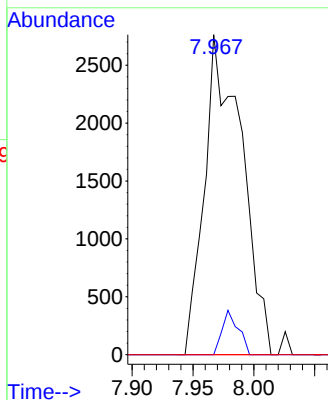
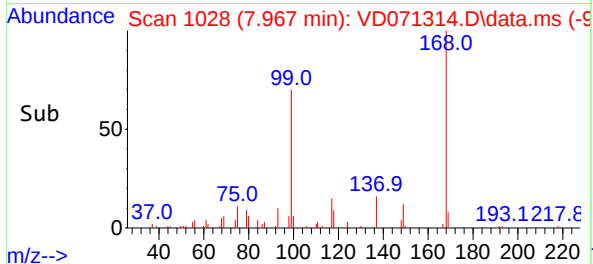


#38
Carbon Tetrachloride
Concen: 7.366 ug/l
RT: 7.967 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

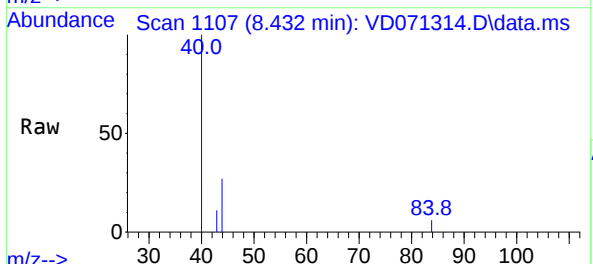
Instrument :
MSVOA_D
ClientSampleId :



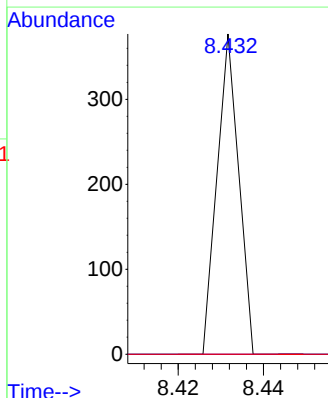
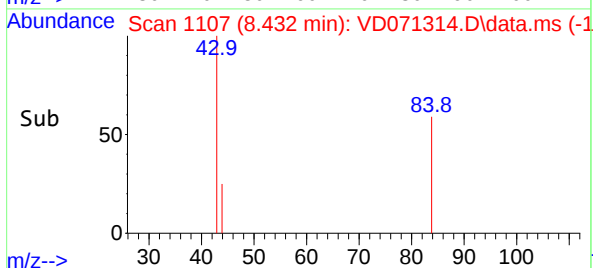
Tgt Ion:117 Resp: 5882
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

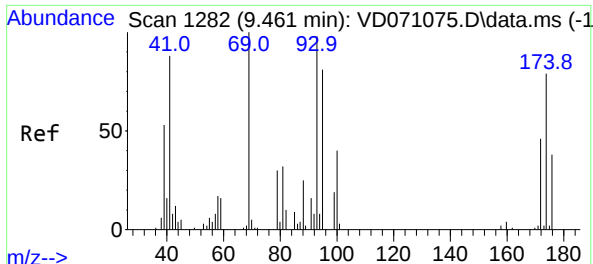


#43
Isopropyl Acetate
Concen: 5.378 ug/l
RT: 8.432 min Scan# 1107
Delta R.T. -0.018 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11



Tgt Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#49

1,4-Dioxane

Concen: 25.191 ug/l

RT: 9.514 min Scan# 1282

Delta R.T. 0.053 min

Lab File: VD071314.D

Acq: 14 Dec 2021 12:11

Instrument :

MSVOA_D

ClientSampleId :

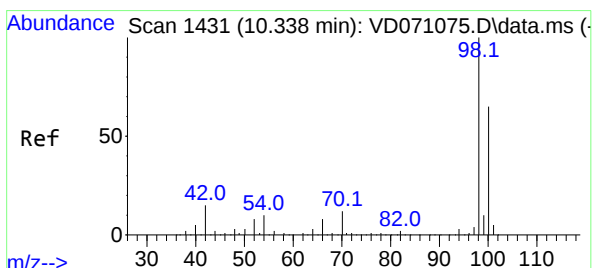
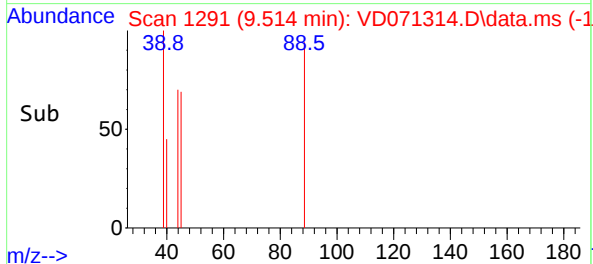
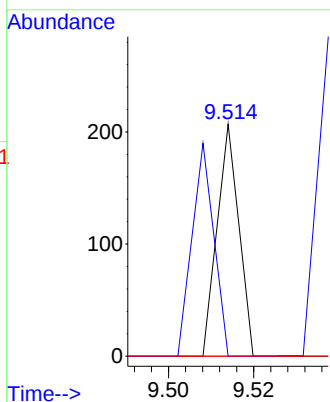
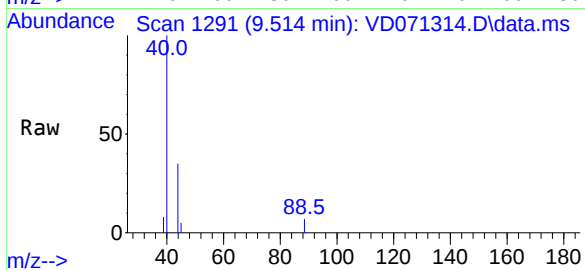
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 91.8 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 56.469 ug/l

RT: 10.337 min Scan# 1431

Delta R.T. -0.001 min

Lab File: VD071314.D

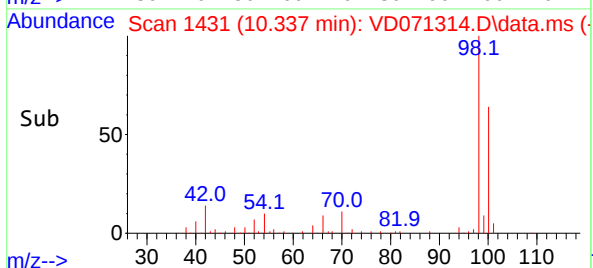
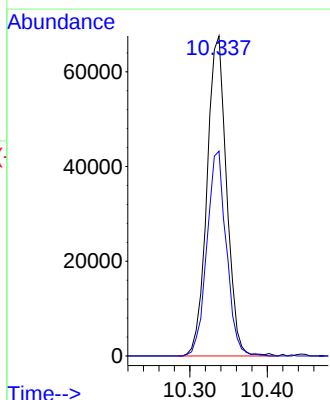
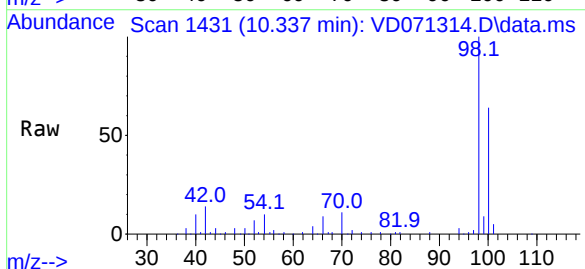
Acq: 14 Dec 2021 12:11

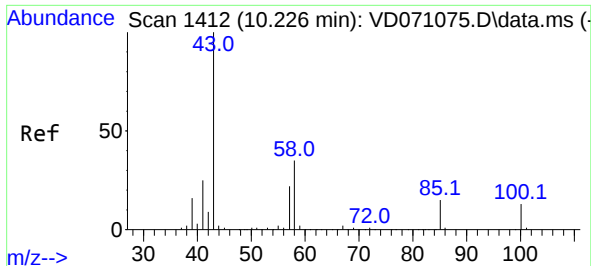
Tgt Ion: 98 Resp: 118598

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 31.023 ug/l

RT: 10.214 min Scan# 1412

Delta R.T. -0.012 min

Lab File: VD071314.D

Acq: 14 Dec 2021 12:11

Instrument :

MSVOA_D

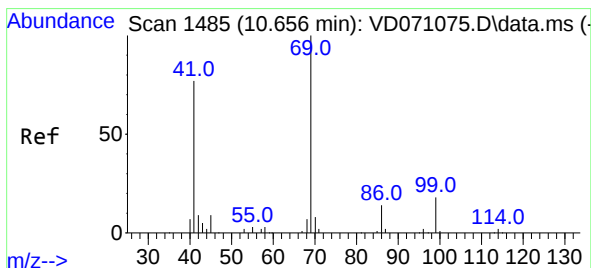
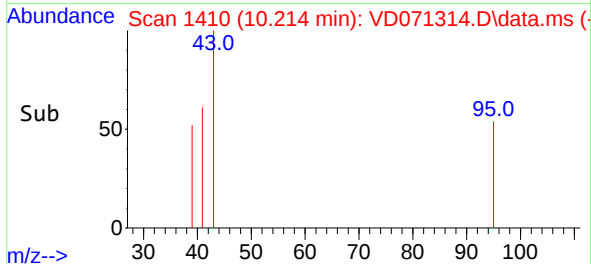
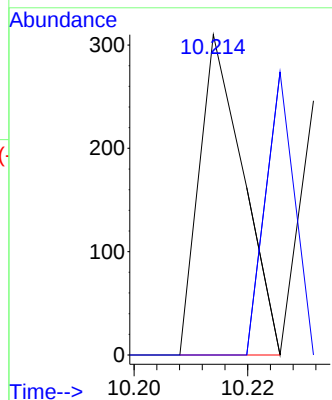
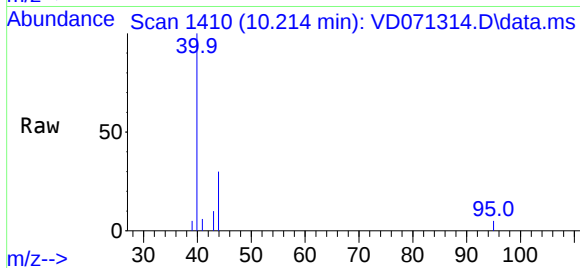
ClientSampleId :

Tgt Ion: 43 Resp: 167

Ion Ratio Lower Upper

43 100

58 58.1 33.1 49.7#



#56

Ethyl methacrylate

Concen: 6.060 ug/l

RT: 10.643 min Scan# 1483

Delta R.T. -0.013 min

Lab File: VD071314.D

Acq: 14 Dec 2021 12:11

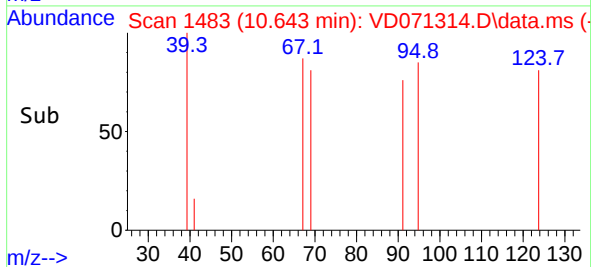
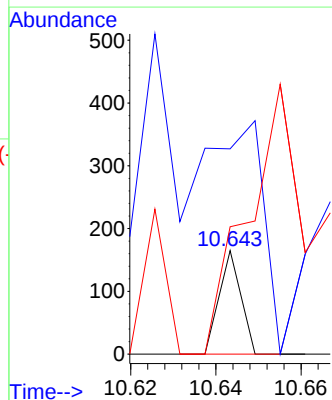
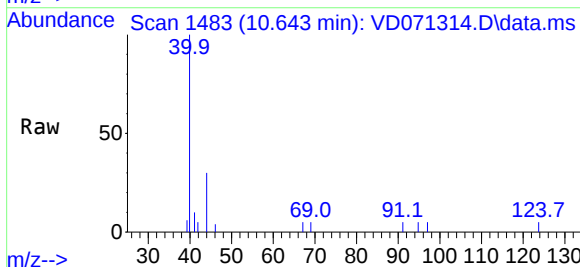
Tgt Ion: 69 Resp: 58

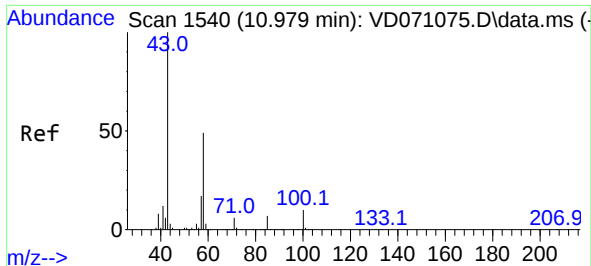
Ion Ratio Lower Upper

69 100

41 1177.6 50.2 75.2#

39 139.7 19.8 29.8#

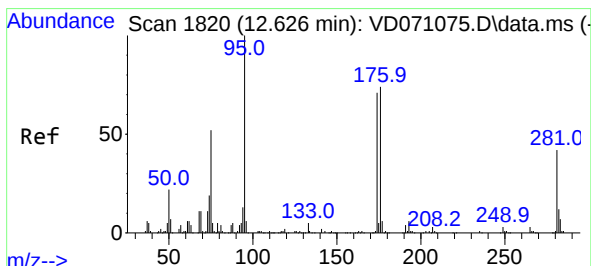
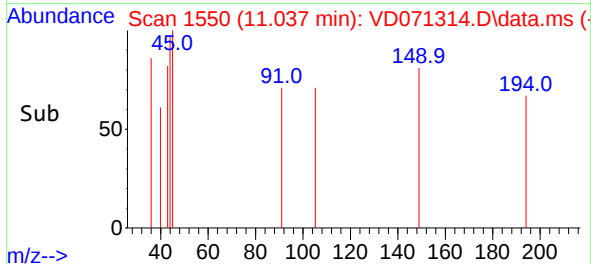
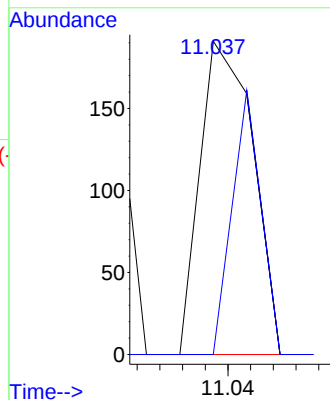
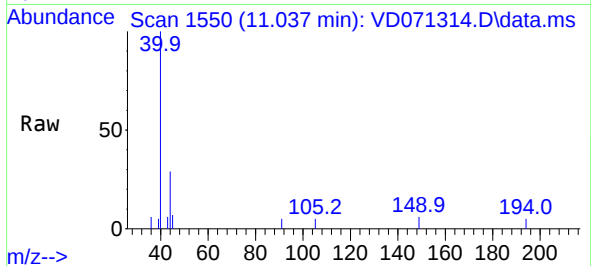




#59
2-Hexanone
Concen: 34.933 ug/l
RT: 11.037 min Scan# 11
Delta R.T. 0.058 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

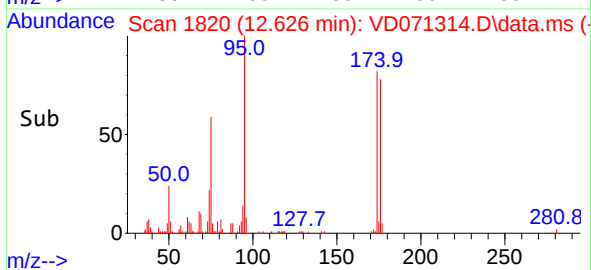
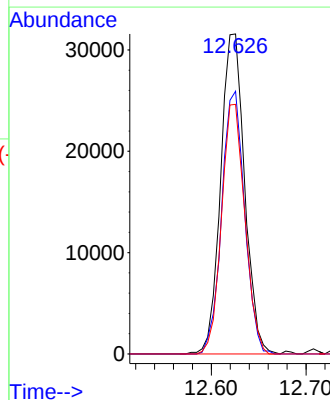
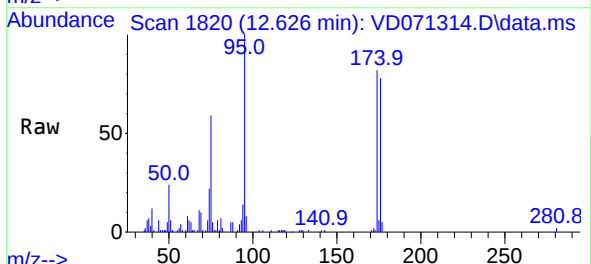
Instrument :
MSVOA_D
ClientSampleId :

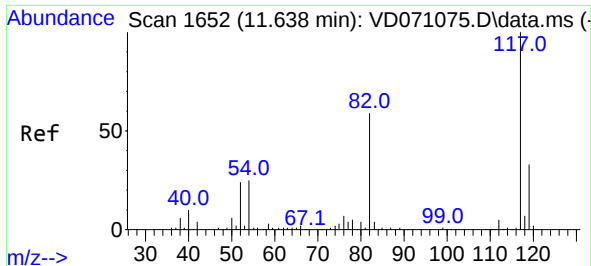
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
58 46.0 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 76.391 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

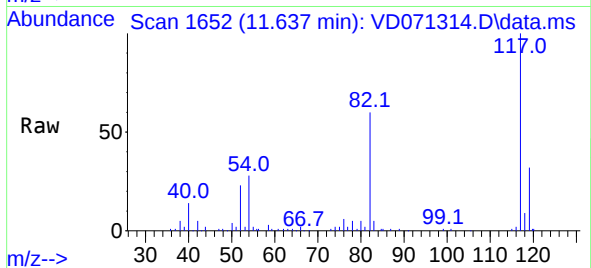
Tgt Ion: 95 Resp: 55614
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.4
176 75.8 0.0 154.0



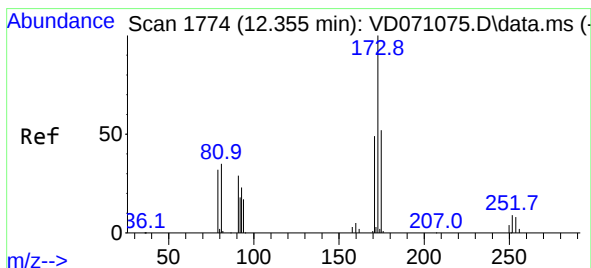
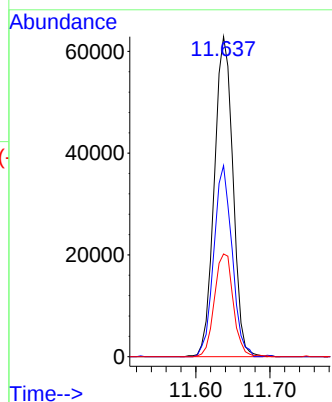


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Instrument :
MSVOA_D
ClientSampleId :

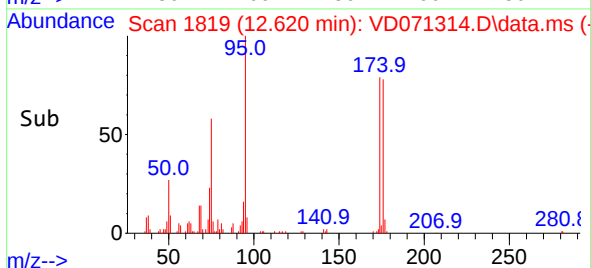
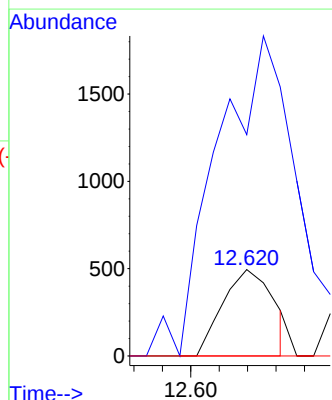
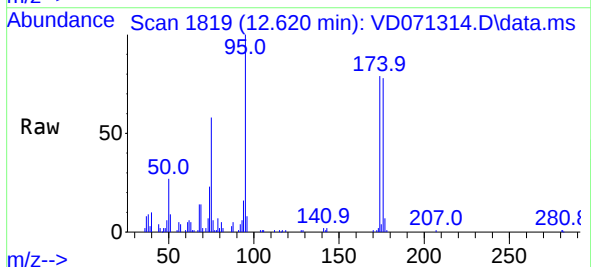


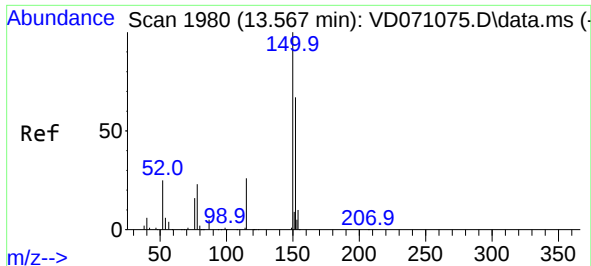
Tgt Ion:117 Resp: 109707
Ion Ratio Lower Upper
117 100
82 59.7 44.7 67.1
119 32.1 26.2 39.4



#71
Bromoform
Concen: 1.608 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Tgt Ion:173 Resp: 619
Ion Ratio Lower Upper
173 100
175 470.9 24.1 72.2#
254 0.0 0.1 0.1#

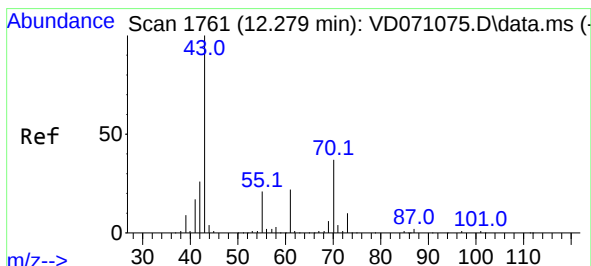
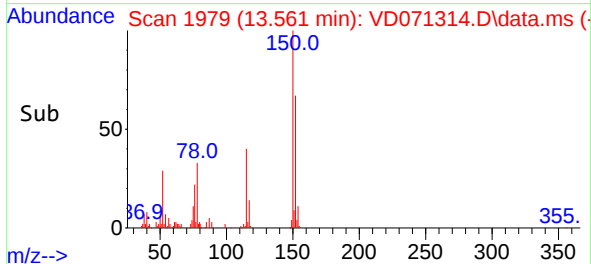
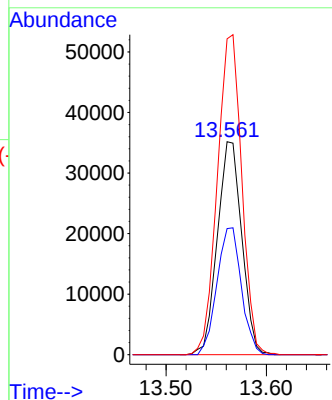
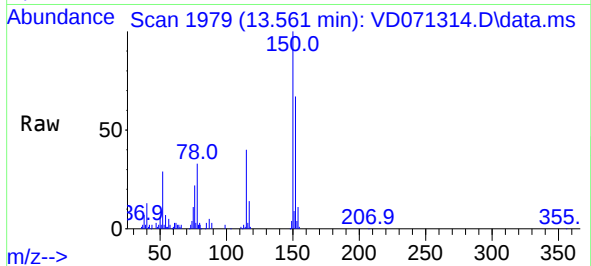




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

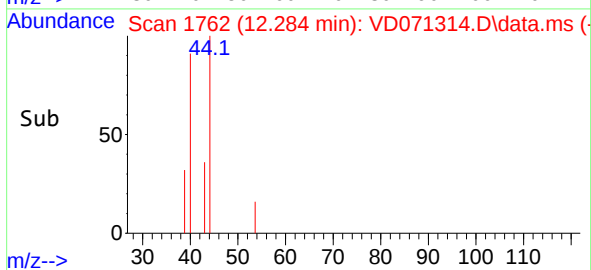
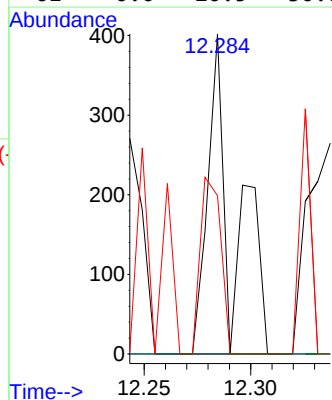
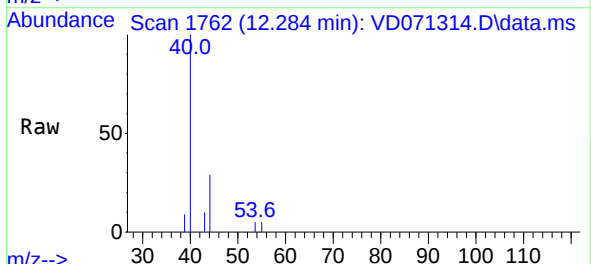
Instrument :
MSVOA_D
ClientSampleId :

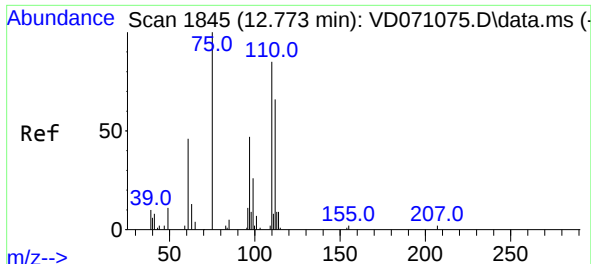
Tgt Ion:152 Resp: 59278
Ion Ratio Lower Upper
152 100
115 59.6 29.8 89.3
150 150.6 0.0 349.2



#74
N-ethyl acetate
Concen: 5.961 ug/l
RT: 12.284 min Scan# 1762
Delta R.T. 0.005 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 43.2 22.5 33.7#
61 0.0 20.5 30.7#

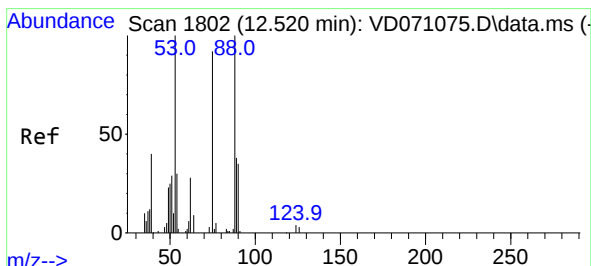
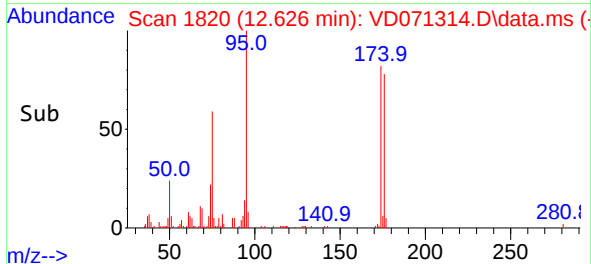
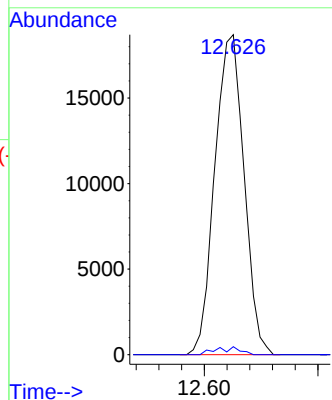
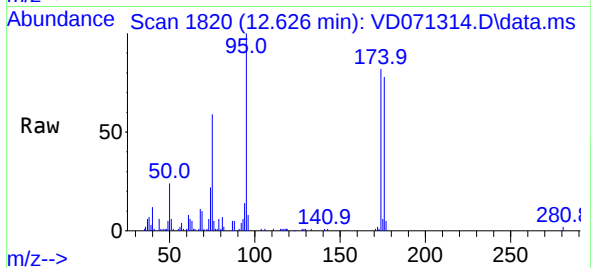




#76
1,2,3-Trichloropropane
Concen: 59.094 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 33375
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.031 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071314.D
Acq: 14 Dec 2021 12:11

Tgt Ion: 75 Resp: 33375
Ion Ratio Lower Upper
75 100
53 0.6 62.6 94.0#
89 0.0 34.5 51.7#

