

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022222\
 Data File : VD072056.D
 Acq On : 22 Feb 2022 14:39
 Operator : VA/SY
 Sample : N1626-04RE
 Misc : 4.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 23 05:30:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

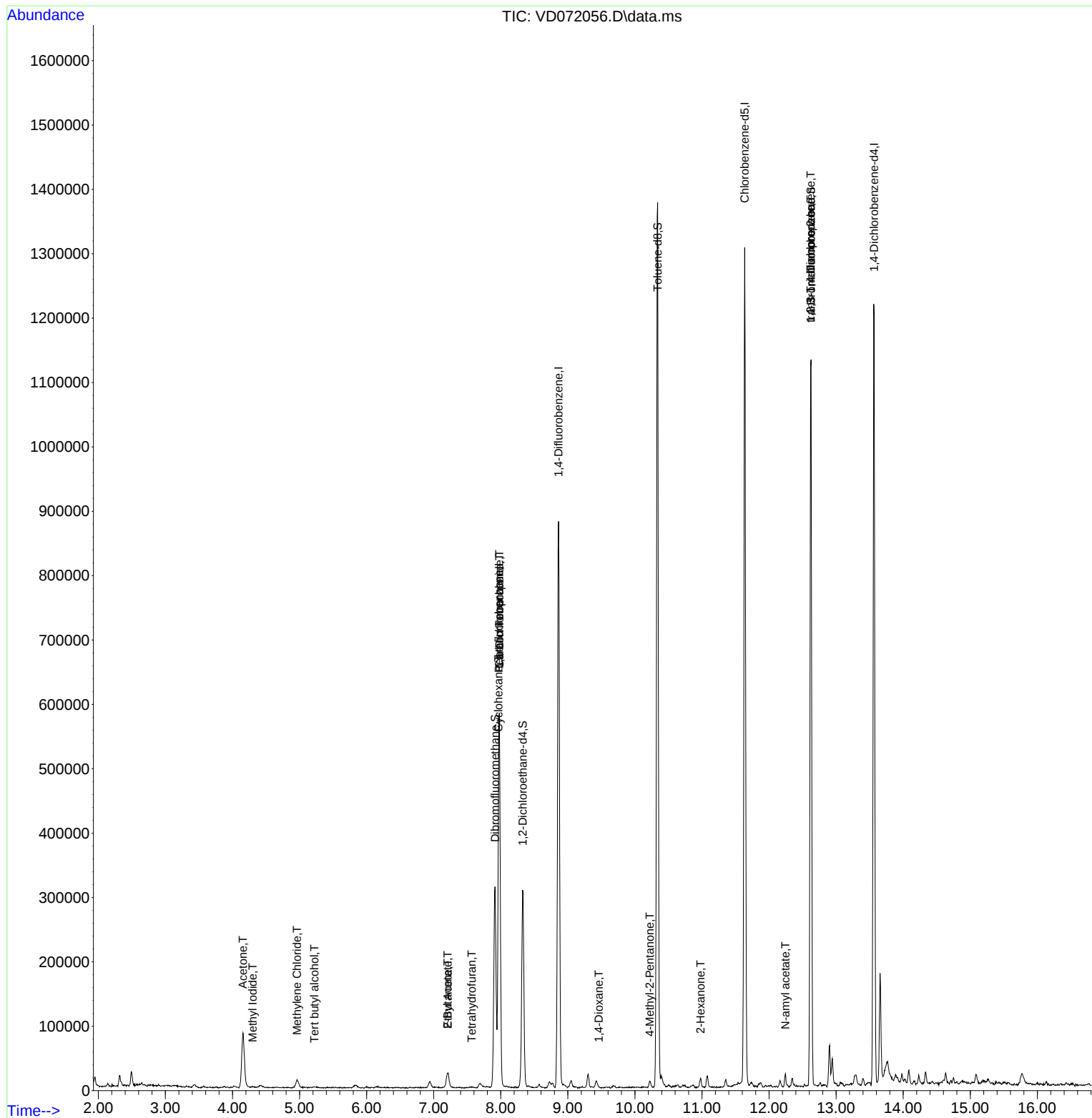
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	436565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	762329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	729044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	329417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	245758	54.270	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.540%	
35) Dibromofluoromethane	7.914	113	222291	48.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.260%	
50) Toluene-d8	10.338	98	933946	54.527	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.060%	
62) 4-Bromofluorobenzene	12.626	95	333486	53.005	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.000%	
Target Compounds						Qvalue
5) Bromomethane	2.791	94	1033	Below Cal	#	41
10) Methyl Iodide	4.303	142	1725	3.252	ug/l #	68
11) Tert butyl alcohol	5.220	59	797	3.085	ug/l #	80
16) Acetone	4.156	43	155398	158.783	ug/l	99
18) Methyl Acetate	4.732	43	399	Below Cal	#	52
20) Methylene Chloride	4.961	84	9127	1.874	ug/l #	80
25) 2-Butanone	7.208	43	37245	27.535	ug/l	92
29) Tetrahydrofuran	7.567	42	1003	1.162	ug/l #	57
31) Cyclohexane	7.967	56	10199	1.275	ug/l #	34
36) 1,1-Dichloropropene	7.979	75	35139	5.023	ug/l #	49
37) Ethyl Acetate	7.208	43	37245	11.480	ug/l #	72
38) Carbon Tetrachloride	7.979	117	43957	6.130	ug/l #	16
49) 1,4-Dioxane	9.461	88	168	5.096	ug/l #	20
51) 4-Methyl-2-Pentanone	10.220	43	7976	2.491	ug/l	96
59) 2-Hexanone	10.979	43	10128	4.638	ug/l	83
74) N-amyl acetate	12.243	43	11982	2.194	ug/l #	50
76) 1,2,3-Trichloropropane	12.620	75	174212	55.831	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	174212	139.814	ug/l #	10

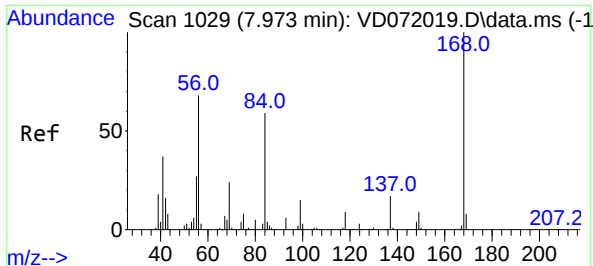
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 23 05:30:44 2022
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Quant Title : SW846 8260
QLast Update : Sat Feb 19 04:05:38 2022
Response via : Initial Calibration

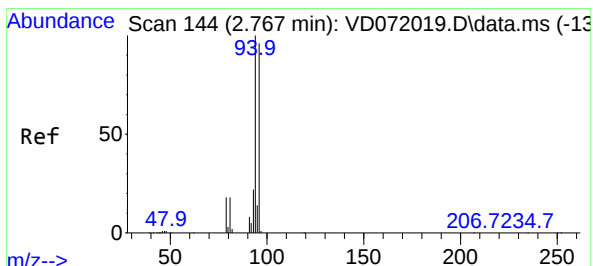
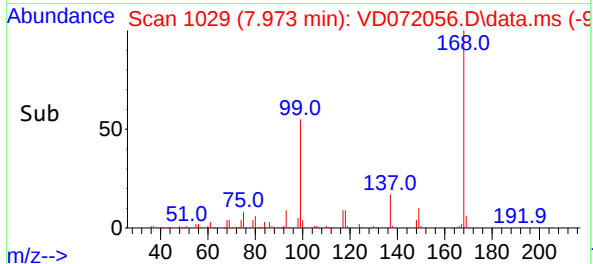
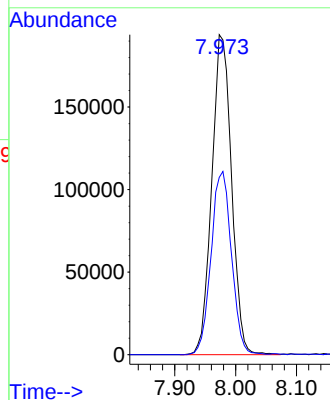
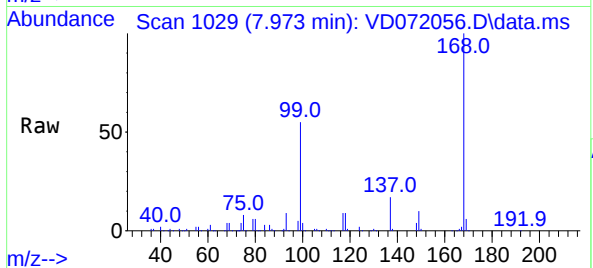




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

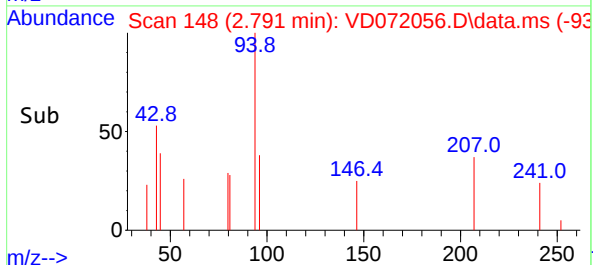
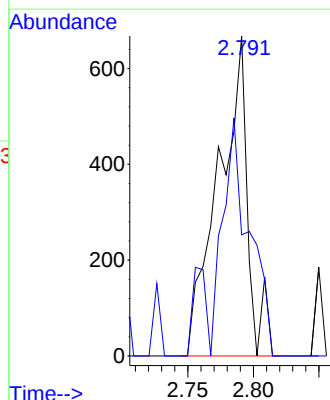
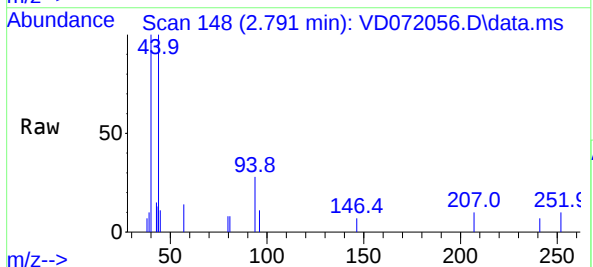
Instrument :
MSVOA_D
ClientSampleId :

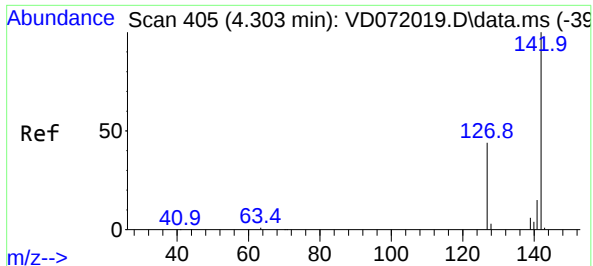
Tgt Ion:168 Resp: 436565
Ion Ratio Lower Upper
168 100
99 55.4 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.024 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

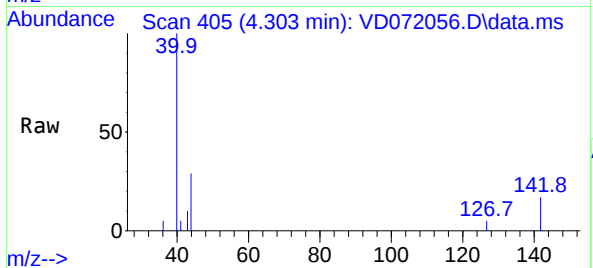
Tgt Ion: 94 Resp: 1033
Ion Ratio Lower Upper
94 100
96 37.9 76.8 115.2#



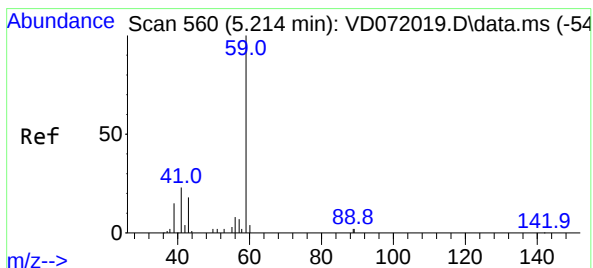
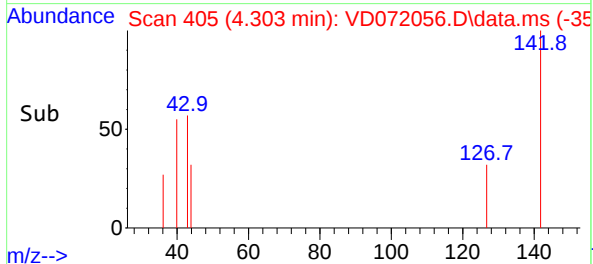
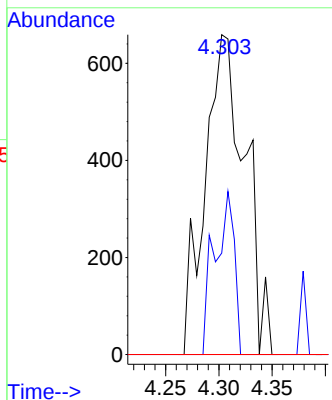


#10
Methyl Iodide
Concen: 3.252 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Instrument :
MSVOA_D
ClientSampleId :

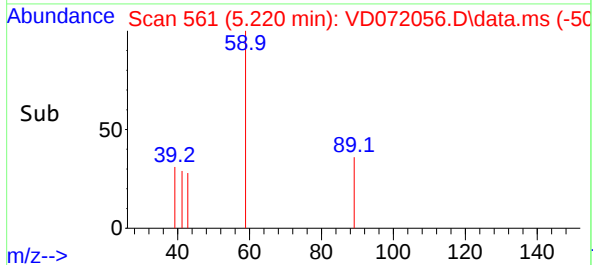
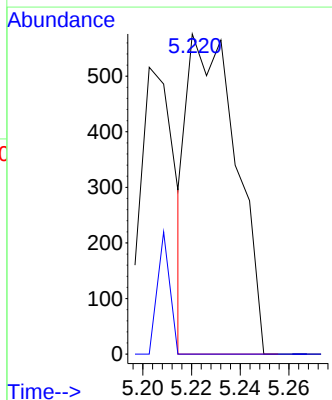
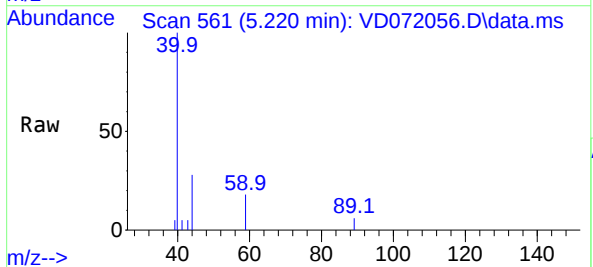


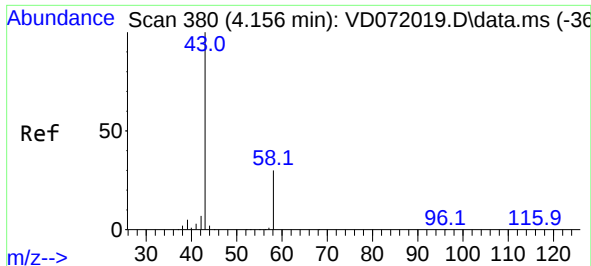
Tgt Ion:142 Resp: 1725
Ion Ratio Lower Upper
142 100
127 24.9 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 3.085 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.006 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Tgt Ion: 59 Resp: 797
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

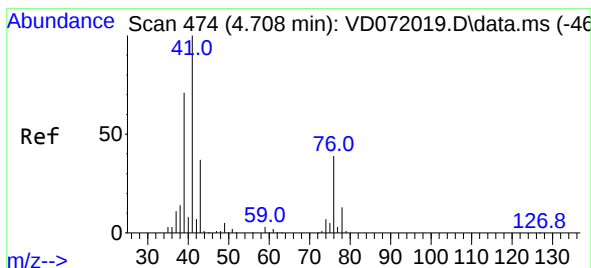
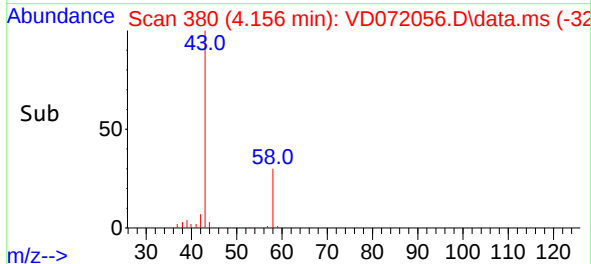
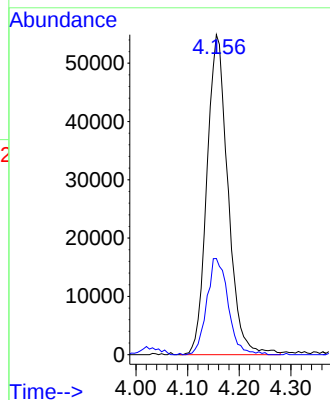
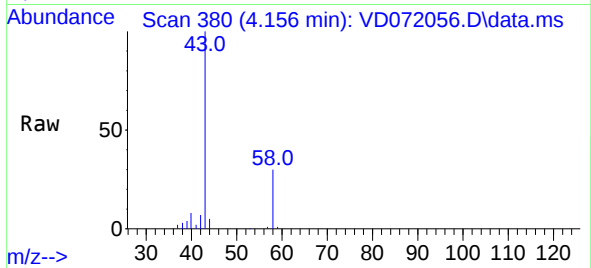




#16
Acetone
Concen: 158.783 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

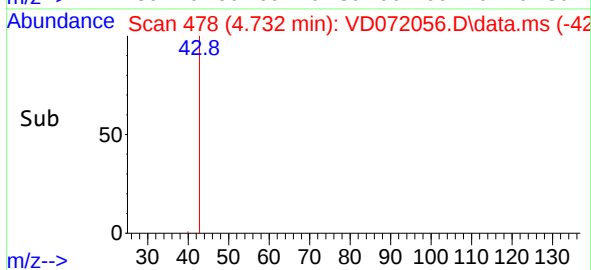
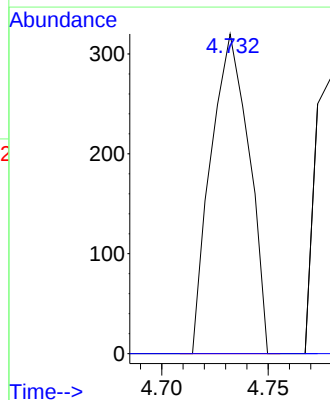
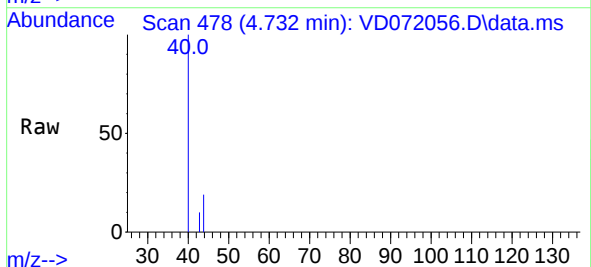
Instrument :
MSVOA_D
ClientSampleId :

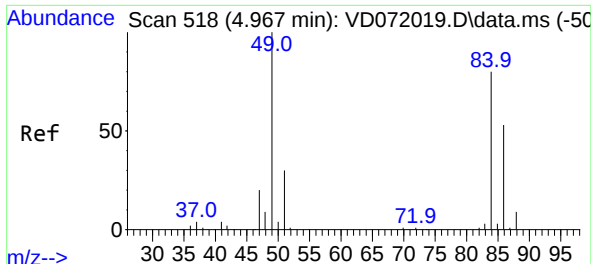
Tgt Ion: 43 Resp: 155398
Ion Ratio Lower Upper
43 100
58 30.1 23.8 35.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.024 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

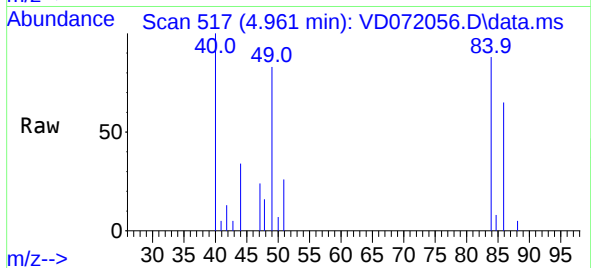
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



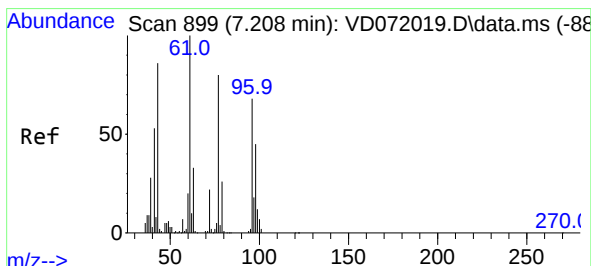
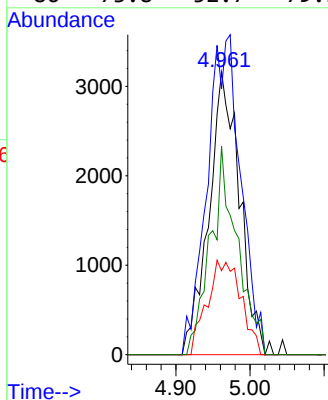
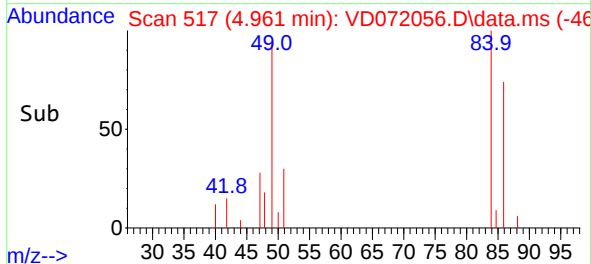


#20
Methylene Chloride
Concen: 1.874 ug/l
RT: 4.961 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

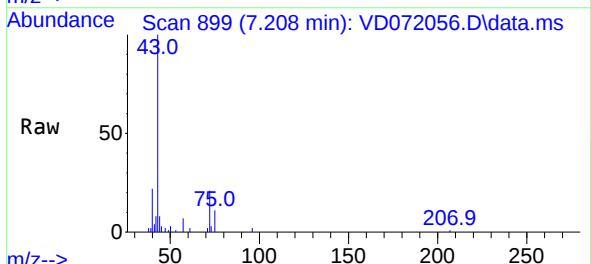
Instrument :
MSVOA_D
ClientSampleId :



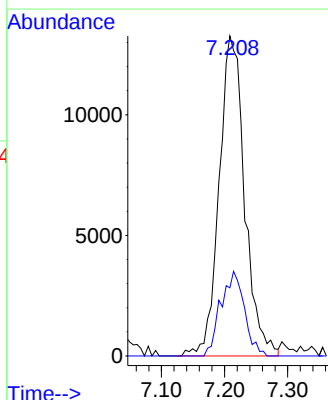
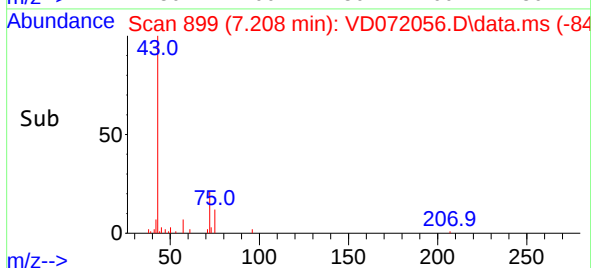
Tgt Ion: 84 Resp: 9127
Ion Ratio Lower Upper
84 100
49 94.1 100.0 150.0#
51 29.8 30.2 45.4#
86 73.8 52.7 79.1

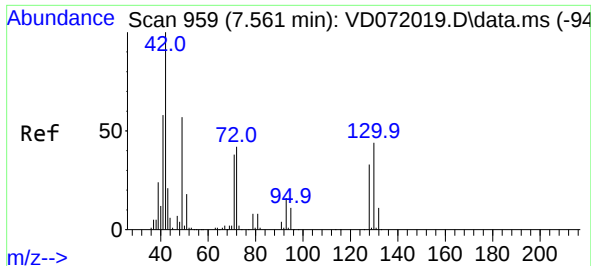


#25
2-Butanone
Concen: 27.535 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39



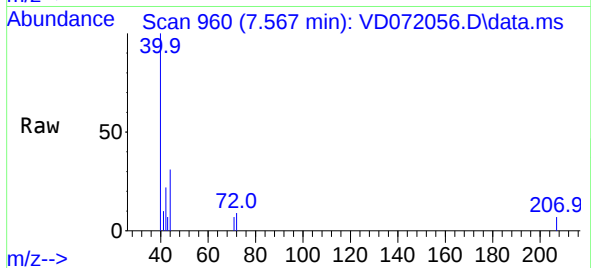
Tgt Ion: 43 Resp: 37245
Ion Ratio Lower Upper
43 100
72 21.3 20.3 30.5



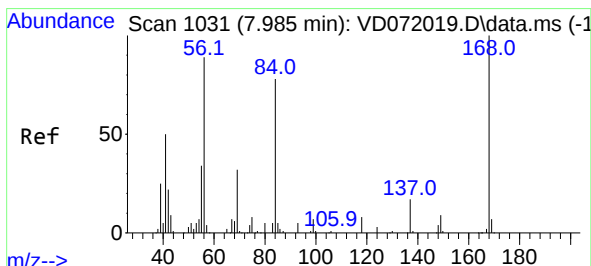
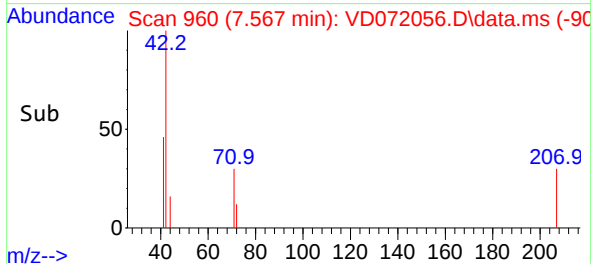
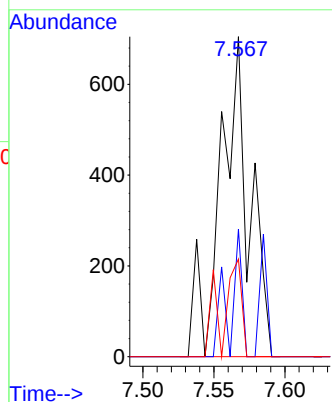


#29
Tetrahydrofuran
Concen: 1.162 ug/l
RT: 7.567 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Instrument :
MSVOA_D
ClientSampleId :

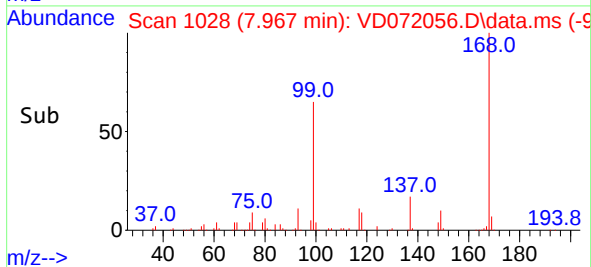
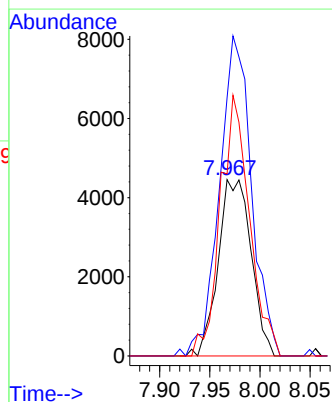
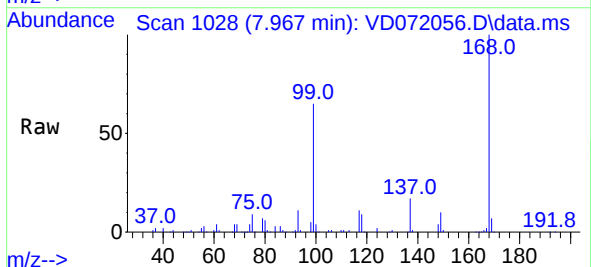


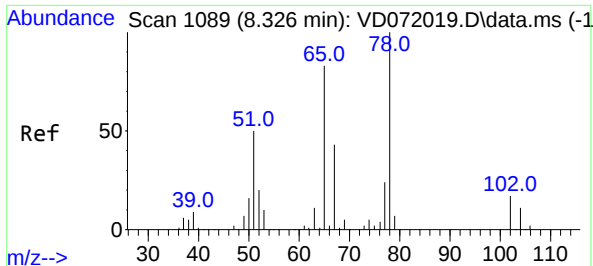
Tgt Ion: 42 Resp: 1003
Ion Ratio Lower Upper
42 100
72 7.0 33.6 50.4#
71 20.4 31.0 46.4#



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Tgt Ion: 56 Resp: 10199
Ion Ratio Lower Upper
56 100
69 146.5 28.9 43.3#
84 103.3 70.6 105.8

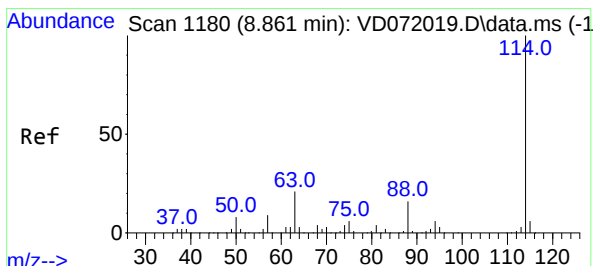
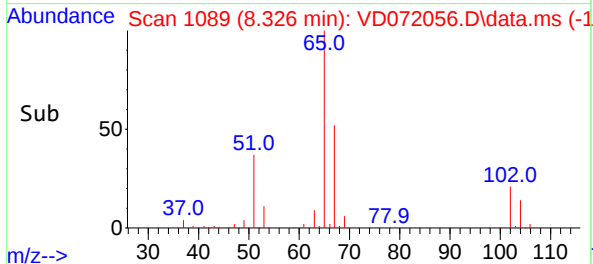
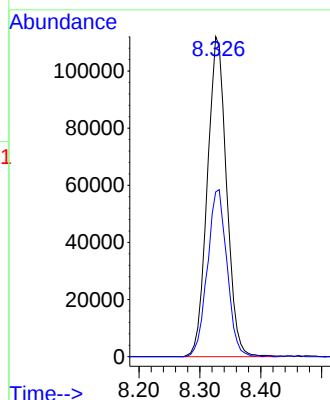
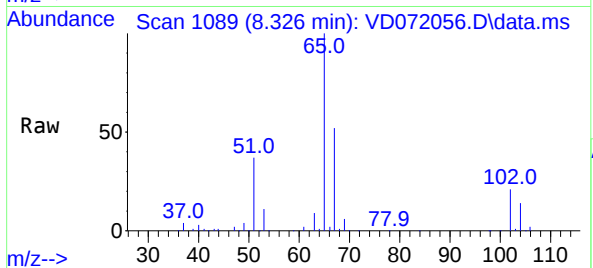




#33
1,2-Dichloroethane-d4
Concen: 54.270 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

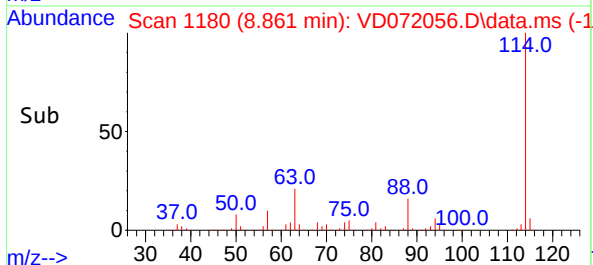
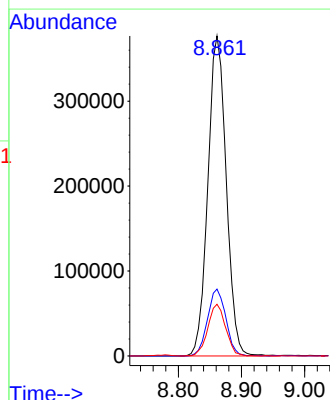
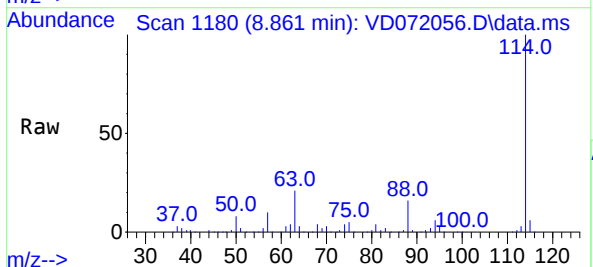
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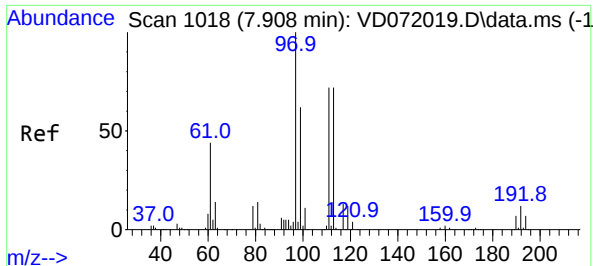
Tgt Ion: 65 Resp: 245758
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Tgt Ion: 114 Resp: 762329
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.2
88 16.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.128 ug/l

RT: 7.914 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD072056.D

Acq: 22 Feb 2022 14:39

Instrument :

MSVOA_D

ClientSampleId :

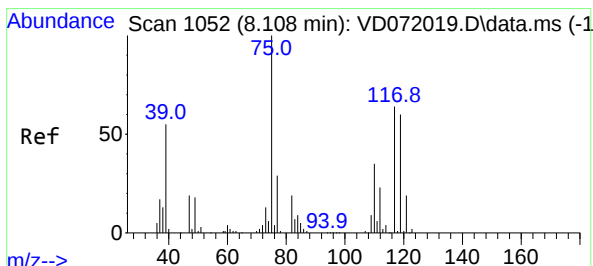
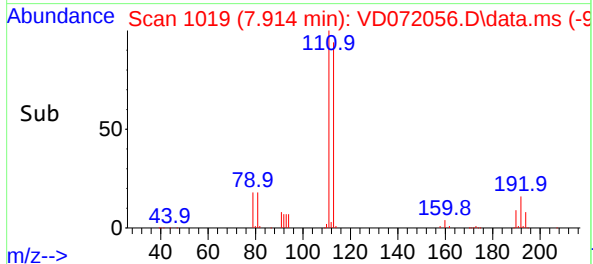
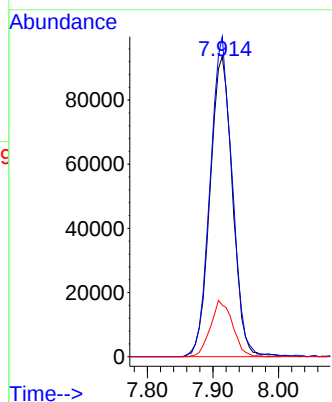
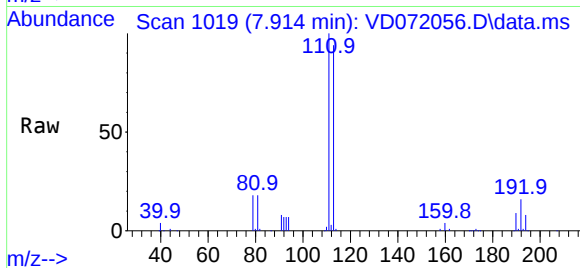
Tgt Ion:113 Resp: 222291

Ion Ratio Lower Upper

113 100

111 104.4 83.0 124.4

192 18.4 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.023 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072056.D

Acq: 22 Feb 2022 14:39

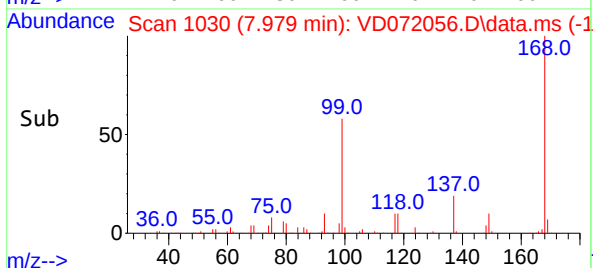
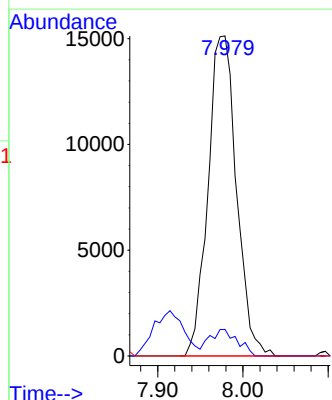
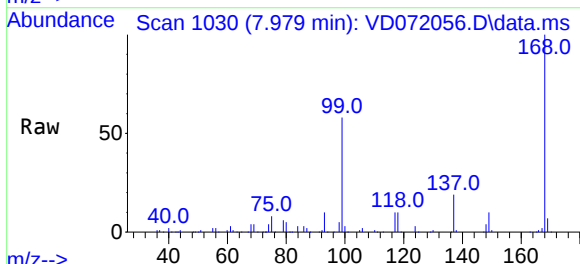
Tgt Ion: 75 Resp: 35139

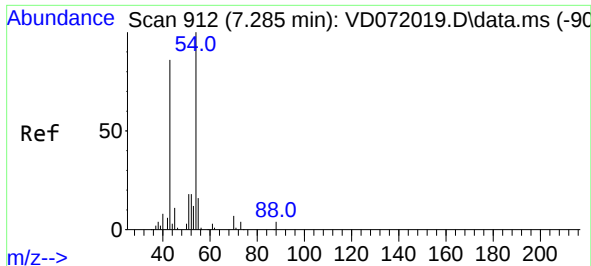
Ion Ratio Lower Upper

75 100

110 8.1 17.7 53.1#

77 0.0 24.8 37.2#

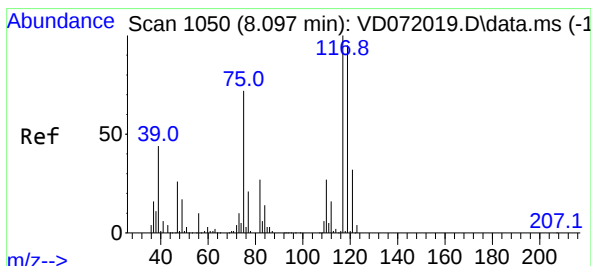
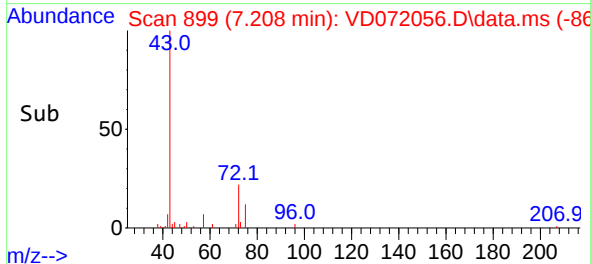
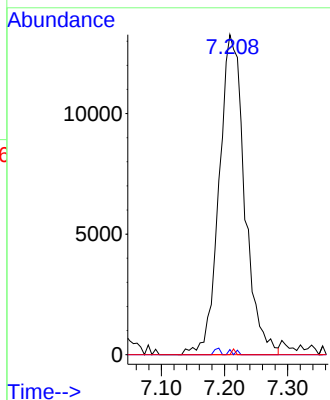
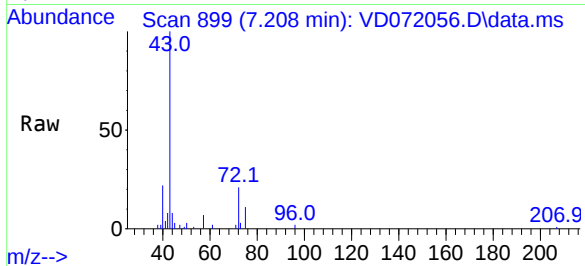




#37
Ethyl Acetate
Concen: 11.480 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.076 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

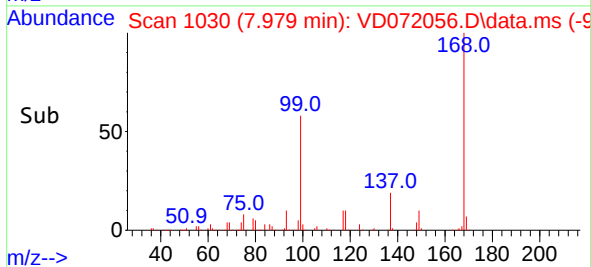
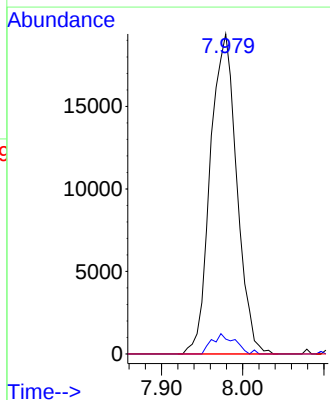
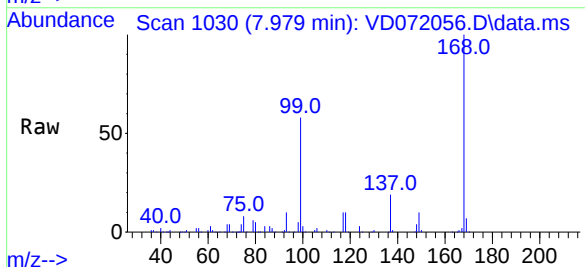
Instrument :
MSVOA_D
ClientSampleId :

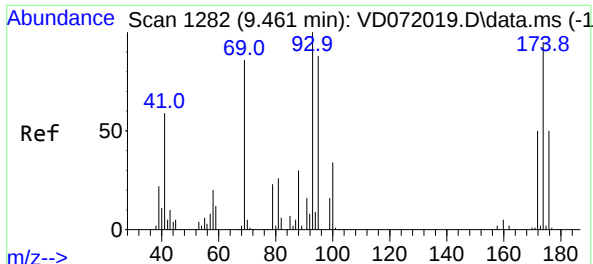
Tgt Ion: 43 Resp: 37245
Ion Ratio Lower Upper
43 100
61 0.4 9.8 14.8#
70 0.2 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 6.130 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Tgt Ion: 117 Resp: 43957
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 5.096 ug/l

RT: 9.461 min Scan# 11

Delta R.T. 0.000 min

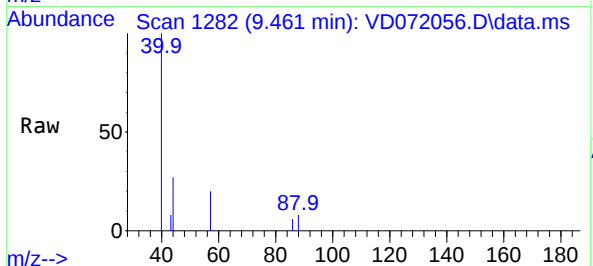
Lab File: VD072056.D

Acq: 22 Feb 2022 14:39

Instrument :

MSVOA_D

ClientSampleId :



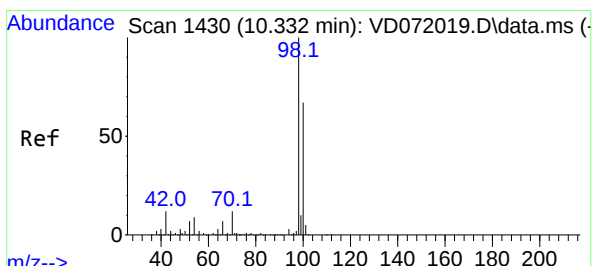
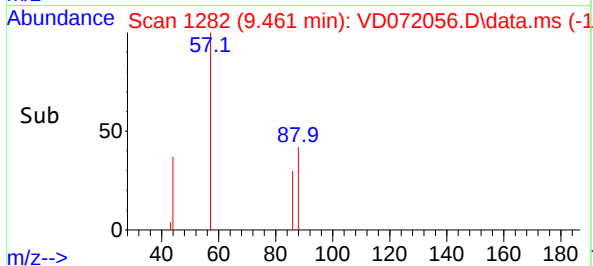
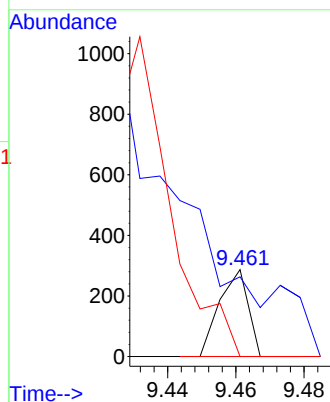
Tgt Ion: 88 Resp: 168

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 0.0 61.0 91.4#



#50

Toluene-d8

Concen: 54.527 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD072056.D

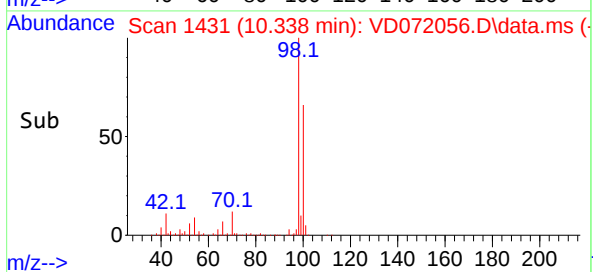
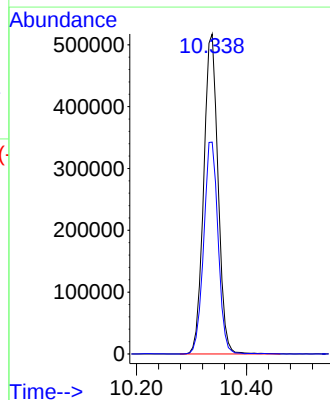
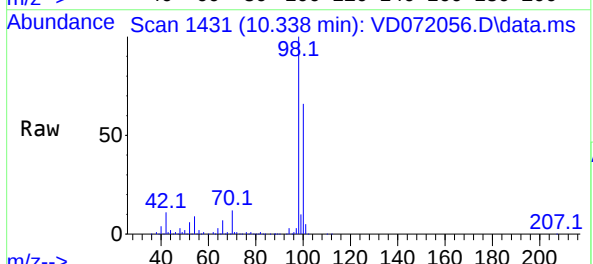
Acq: 22 Feb 2022 14:39

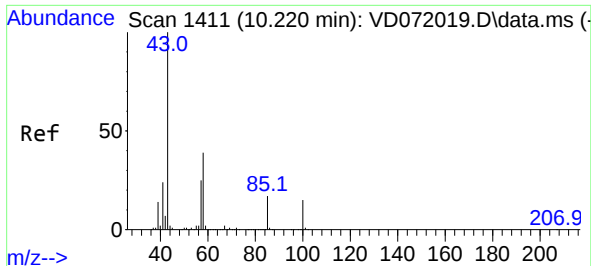
Tgt Ion: 98 Resp: 933946

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6

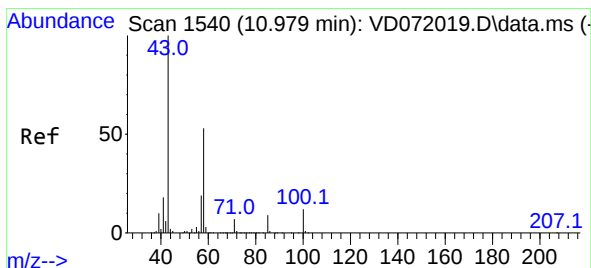
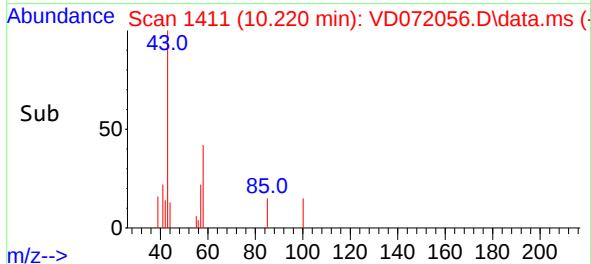
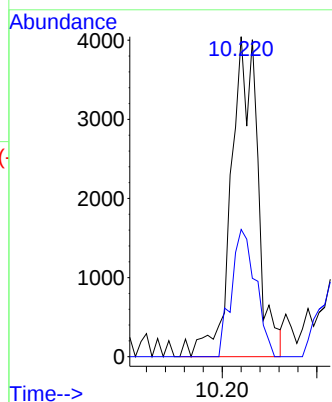
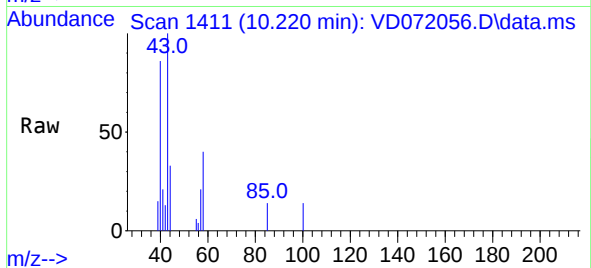




#51
4-Methyl-2-Pentanone
Concen: 2.491 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

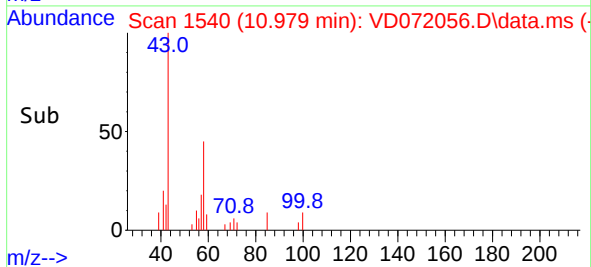
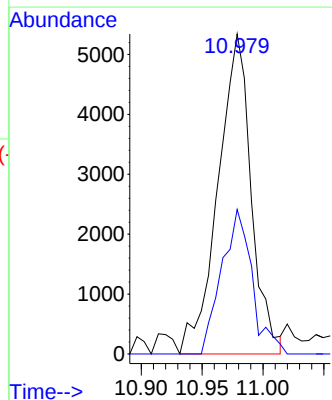
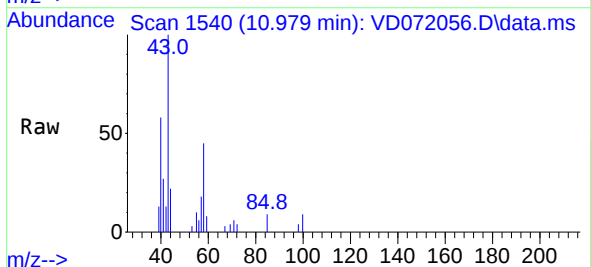
Instrument :
MSVOA_D
ClientSampleId :

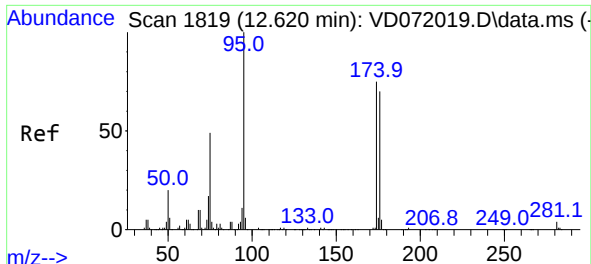
Tgt Ion: 43 Resp: 7976
Ion Ratio Lower Upper
43 100
58 36.0 30.8 46.2



#59
2-Hexanone
Concen: 4.638 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Tgt Ion: 43 Resp: 10128
Ion Ratio Lower Upper
43 100
58 41.5 27.0 80.8

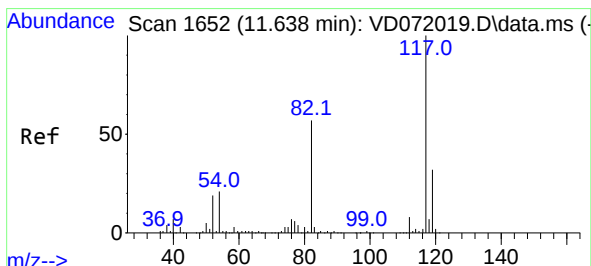
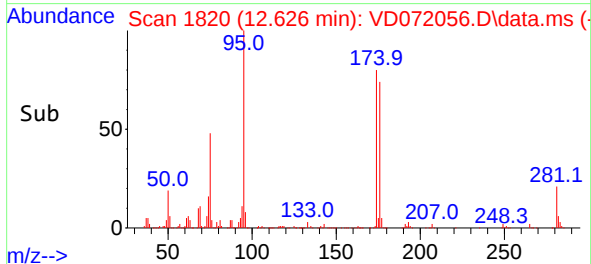
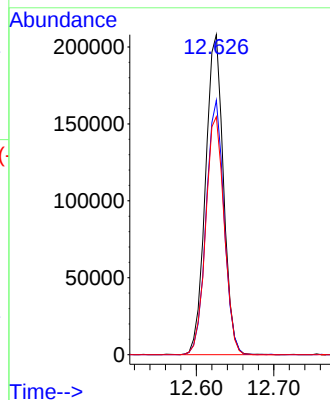
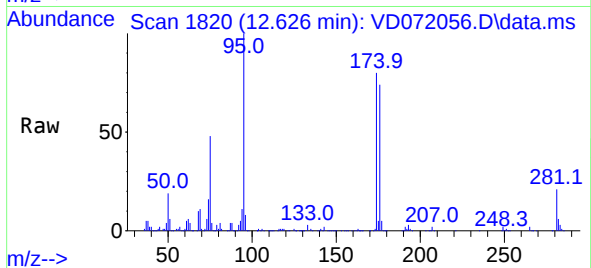




#62
4-Bromofluorobenzene
Concen: 53.005 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

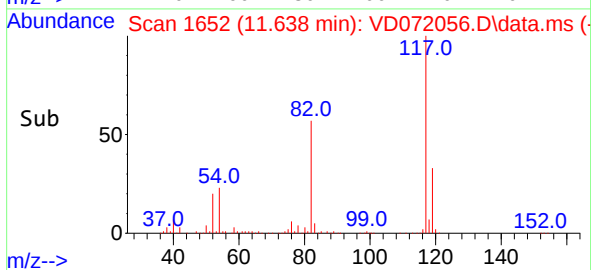
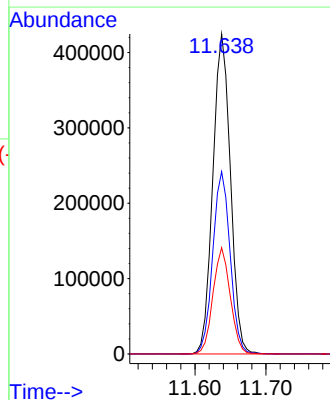
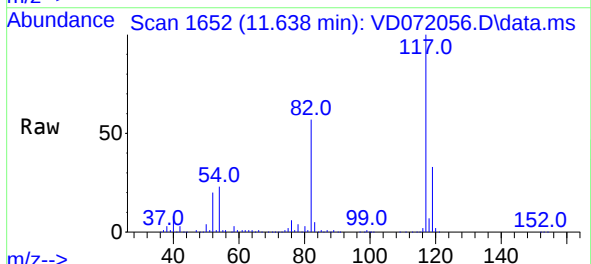
Instrument :
MSVOA_D
ClientSampleId :

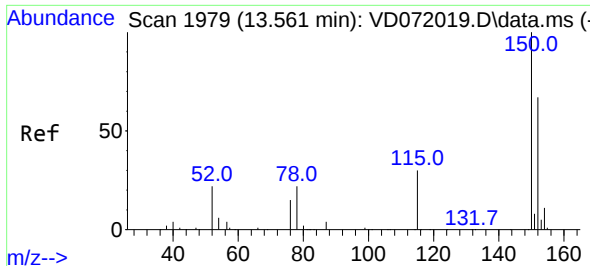
Tgt Ion: 95 Resp: 333486
Ion Ratio Lower Upper
95 100
174 79.4 0.0 155.0
176 76.7 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Tgt Ion: 117 Resp: 729044
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 33.2 25.4 38.2

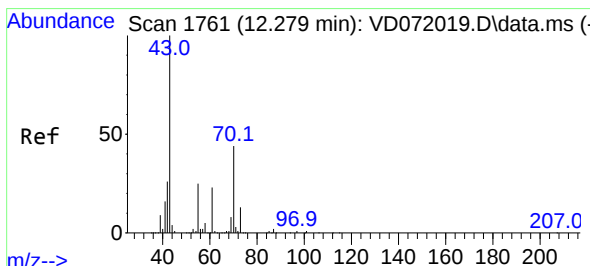
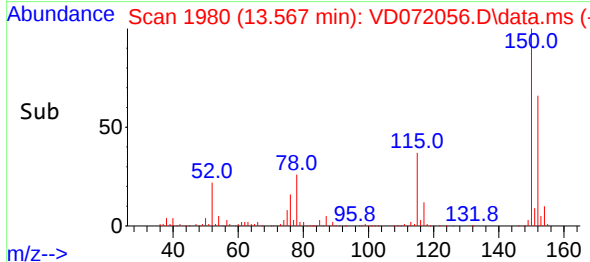
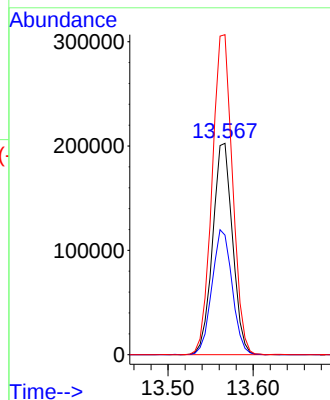
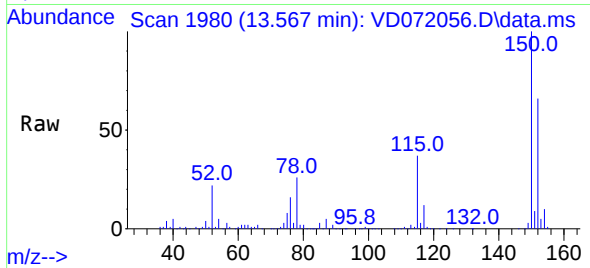




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

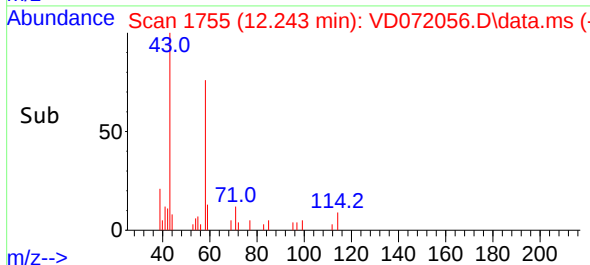
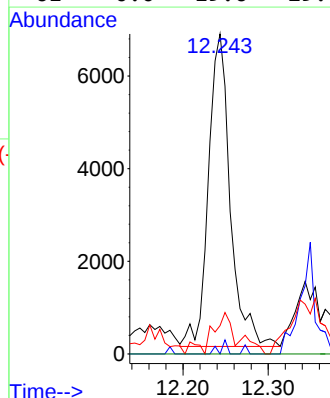
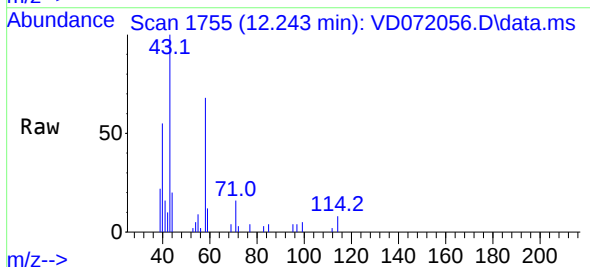
Instrument :
MSVOA_D
ClientSampleId :

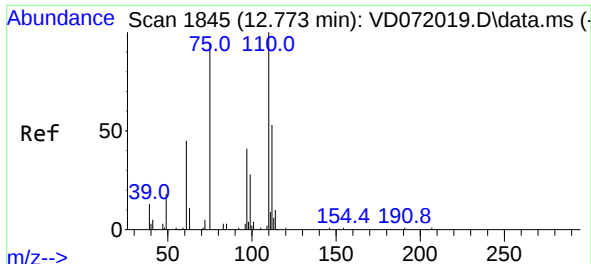
Tgt Ion:152 Resp: 329417
Ion Ratio Lower Upper
152 100
115 60.0 29.9 89.7
150 155.3 0.0 347.6



#74
N-ethyl acetate
Concen: 2.194 ug/l
RT: 12.243 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Tgt Ion: 43 Resp: 11982
Ion Ratio Lower Upper
43 100
70 1.4 33.2 49.8#
55 10.9 20.6 30.8#
61 0.0 19.6 29.4#

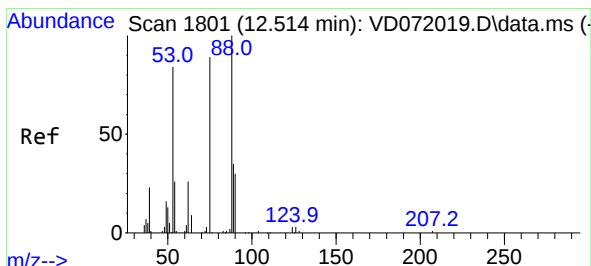
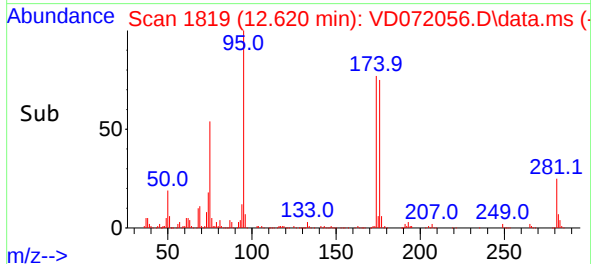
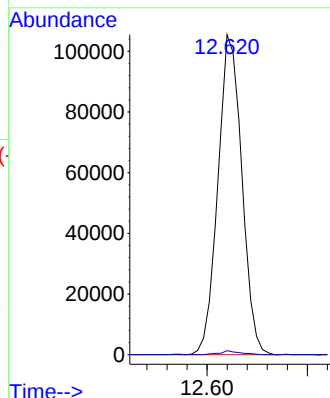
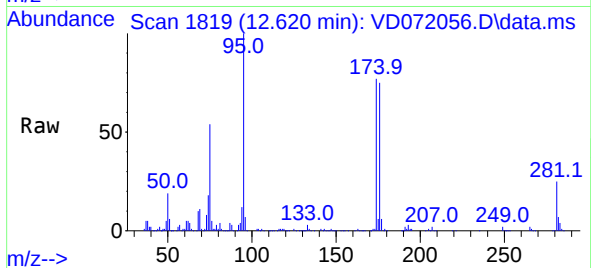




#76
1,2,3-Trichloropropane
Concen: 55.831 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 174212
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.814 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072056.D
Acq: 22 Feb 2022 14:39

Tgt Ion: 75 Resp: 174212
Ion Ratio Lower Upper
75 100
53 0.2 80.2 120.4#
89 0.6 36.4 54.6#

