

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072775.D
 Acq On : 03 May 2022 18:44
 Operator : VA/SY
 Sample : N2659-04
 Misc : 5.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-D

Quant Time: May 04 01:27:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

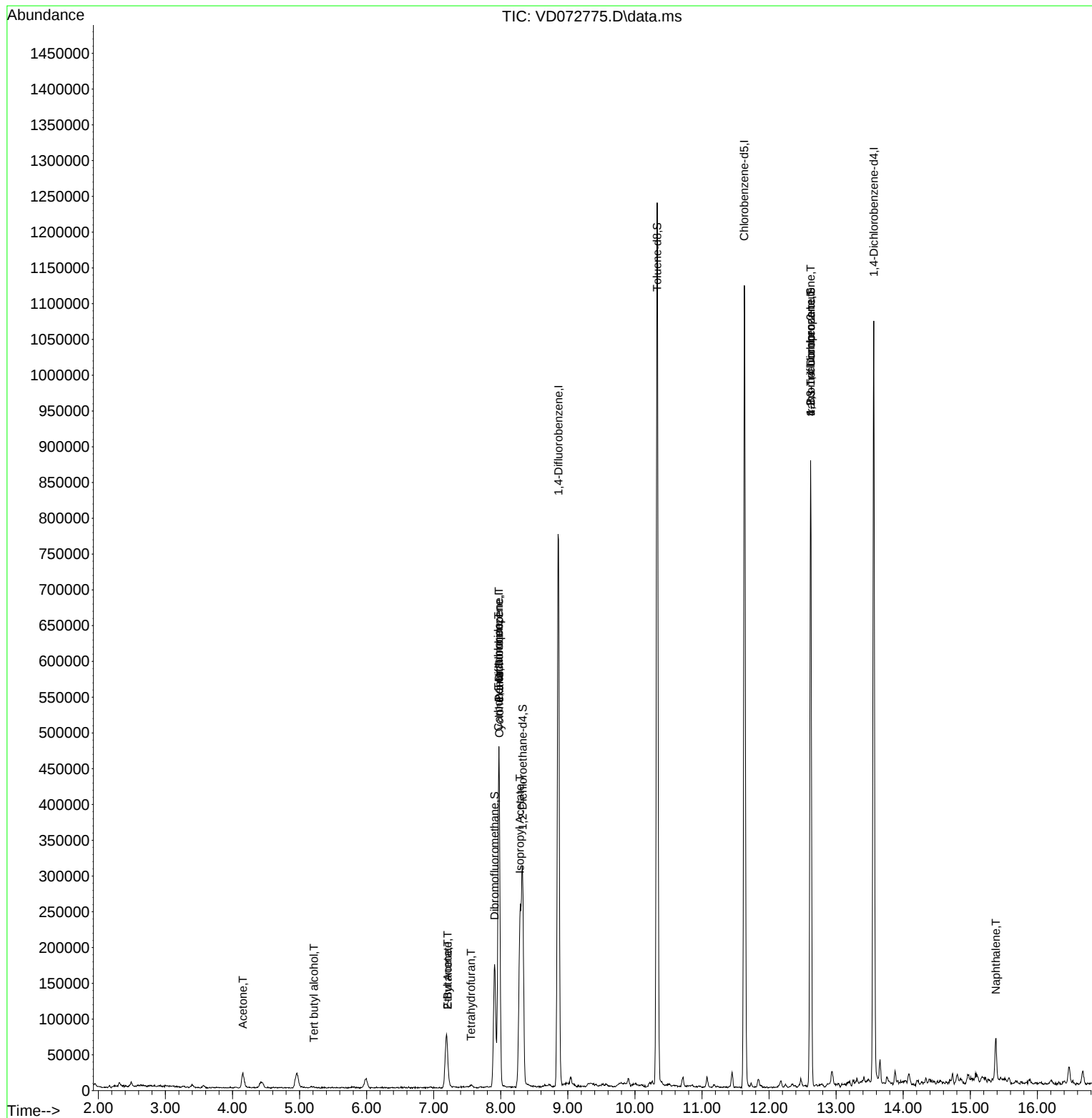
Internal Standards						
1) Pentafluorobenzene	7.973	168	337235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	663209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	644977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	228602	52.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.440%	
35) Dibromofluoromethane	7.908	113	126660	27.193	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 54.380%	
50) Toluene-d8	10.332	98	798005	47.762	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	12.620	95	286972	46.063	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.120%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	810	Below Cal	#	73
11) Tert butyl alcohol	5.214	59	873	2.305	ug/l #	74
16) Acetone	4.156	43	34798	30.213	ug/l	93
18) Methyl Acetate	4.720	43	54	Below Cal	#	55
20) Methylene Chloride	4.956	84	15982	Below Cal	#	83
25) 2-Butanone	7.208	43	8482	6.650	ug/l	100
29) Tetrahydrofuran	7.556	42	1960	2.411	ug/l	93
31) Cyclohexane	7.979	56	8888	1.161	ug/l #	9
36) 1,1-Dichloropropene	7.973	75	29999	3.961	ug/l #	51
37) Ethyl Acetate	7.208	43	8482	2.436	ug/l #	72
38) Carbon Tetrachloride	7.967	117	35596	4.528	ug/l #	16
43) Isopropyl Acetate	8.285	43	6784	1.056	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	149061	48.058	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	149061	110.514	ug/l #	7
95) Naphthalene	15.384	128	52605	5.355	ug/l	98

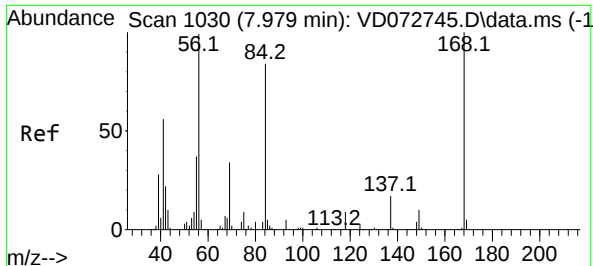
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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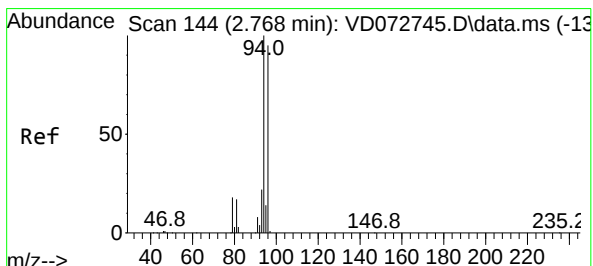
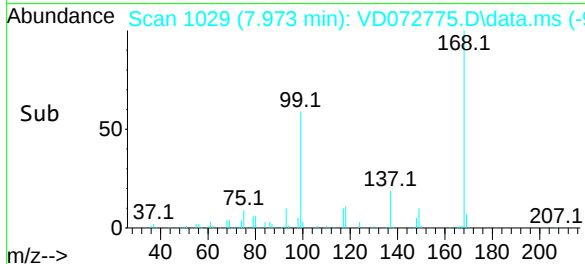
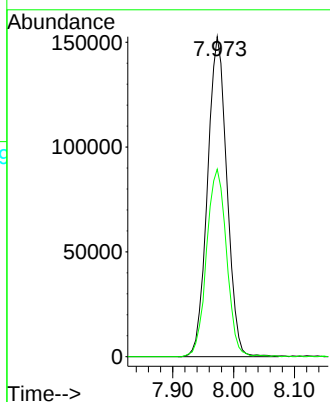
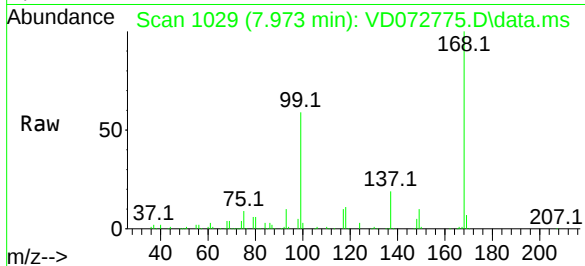




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072775.D
Acq: 03 May 2022 18:44

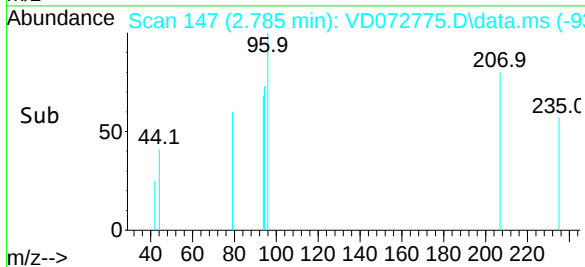
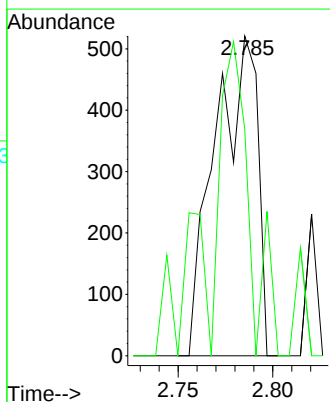
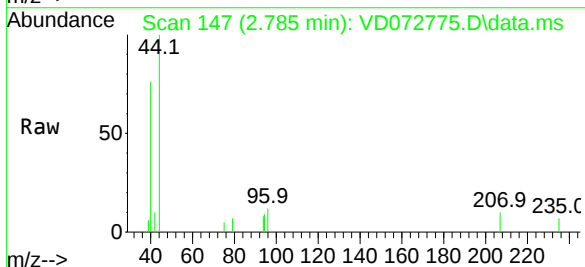
Instrument :
MSVOA_D
ClientSampleId :
22L097-D

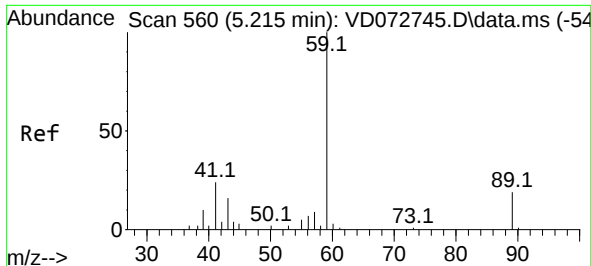
Tgt Ion:168 Resp: 337235
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072775.D
Acq: 03 May 2022 18:44

Tgt Ion: 94 Resp: 810
Ion Ratio Lower Upper
94 100
96 70.8 77.6 116.4#





#11

Tert butyl alcohol

Concen: 2.305 ug/l

RT: 5.214 min Scan# 5

Delta R.T. -0.001 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

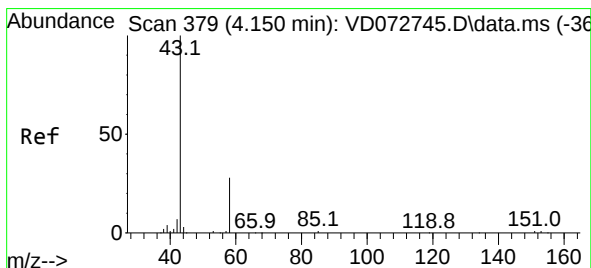
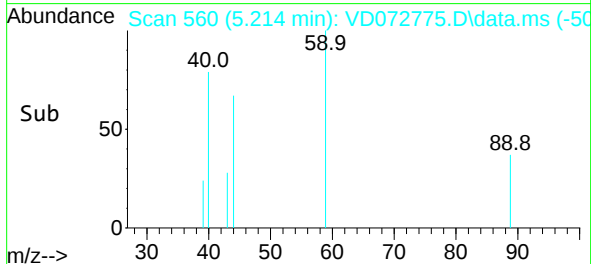
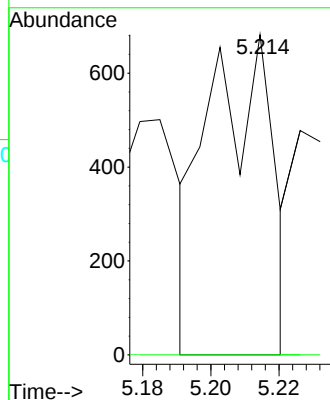
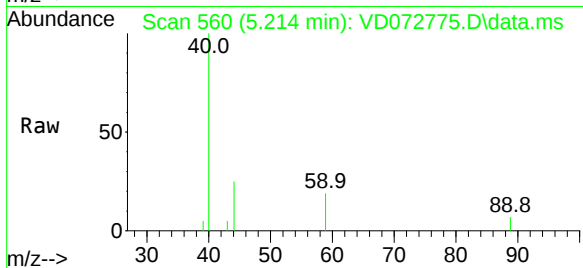
22L097-D

Tgt Ion: 59 Resp: 873

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 30.213 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD072775.D

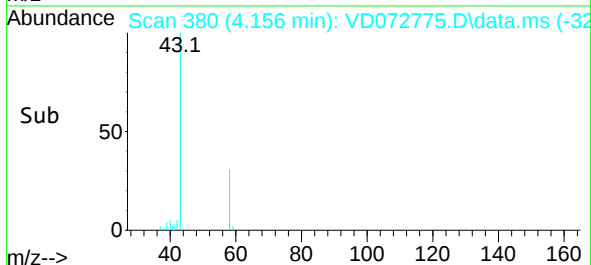
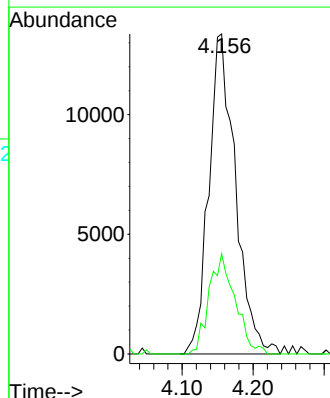
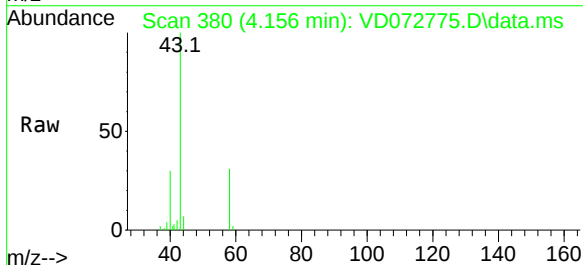
Acq: 03 May 2022 18:44

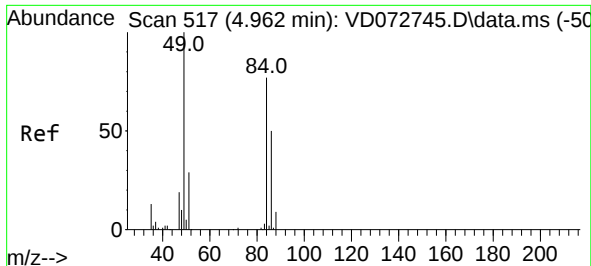
Tgt Ion: 43 Resp: 34798

Ion Ratio Lower Upper

43 100

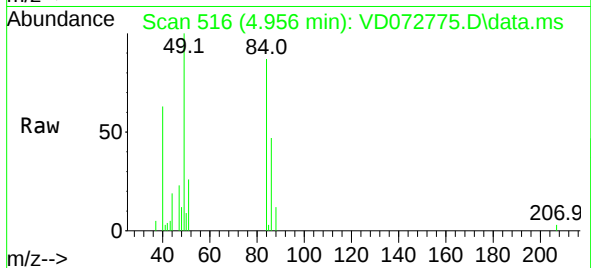
58 31.3 22.1 33.1





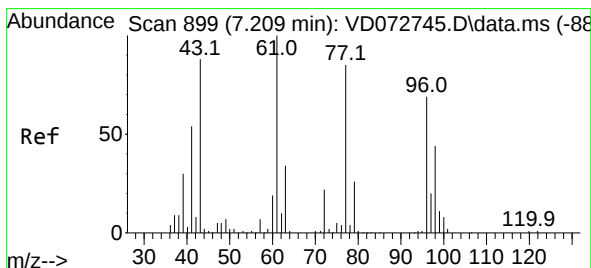
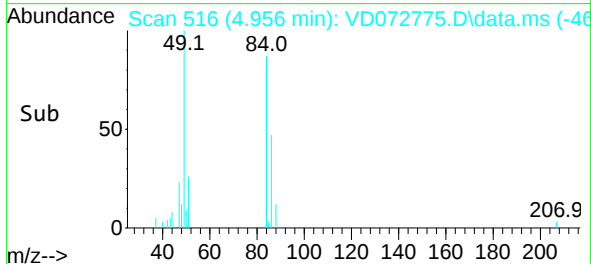
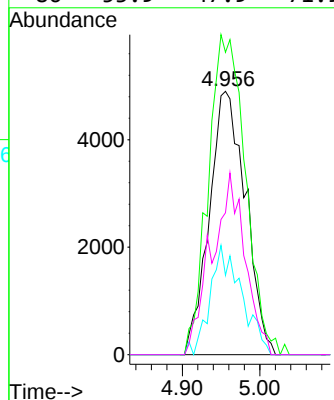
#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072775.D
Acq: 03 May 2022 18:44

Instrument :
MSVOA_D
ClientSampleId :
22L097-D



Tgt Ion: 84 Resp: 15982

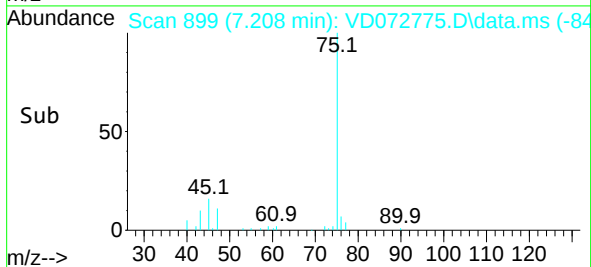
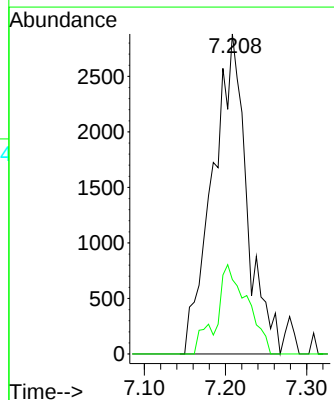
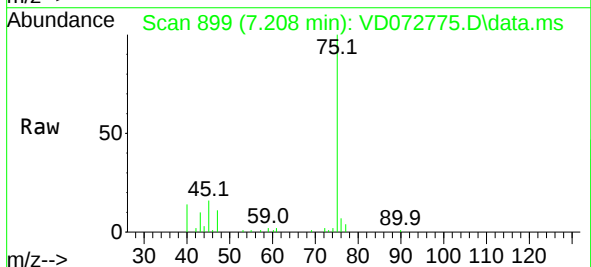
Ion	Ratio	Lower	Upper
84	100		
49	114.9	112.8	169.2
51	30.1	32.6	48.8#
86	53.9	47.9	71.9

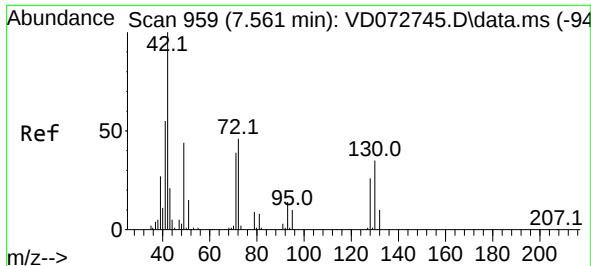


#25
2-Butanone
Concen: 6.650 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.001 min
Lab File: VD072775.D
Acq: 03 May 2022 18:44

Tgt Ion: 43 Resp: 8482

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.6	27.8





#29

Tetrahydrofuran

Concen: 2.411 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

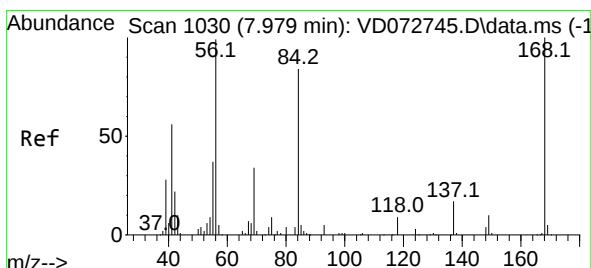
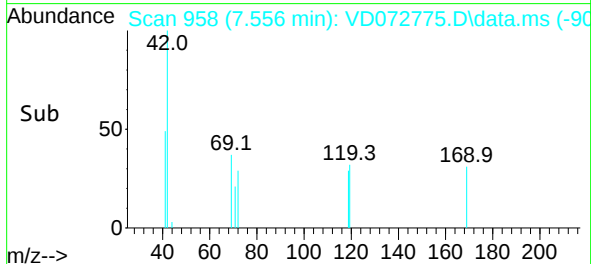
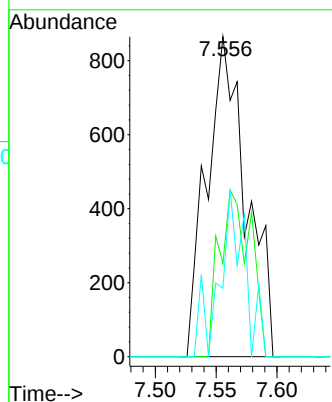
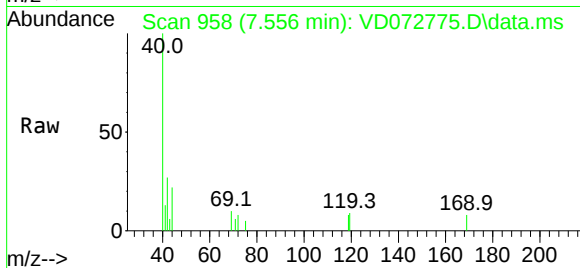
Instrument :

MSVOA_D

ClientSampleId :

22L097-D

Tgt Ion: 42	Resp: 1960
Ion Ratio	Lower Upper
42 100	
72 40.7	30.7 46.1
71 30.0	28.6 43.0



#31

Cyclohexane

Concen: 1.161 ug/l

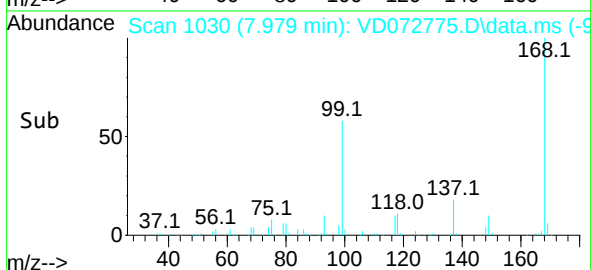
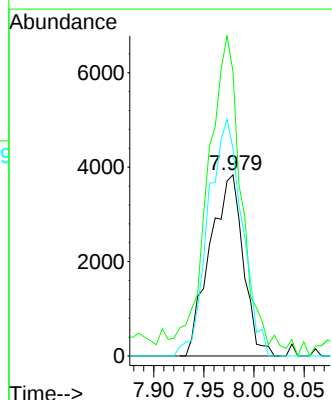
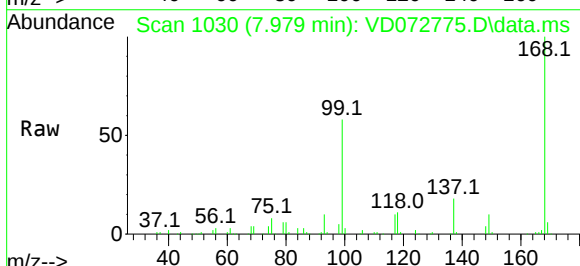
RT: 7.979 min Scan# 1030

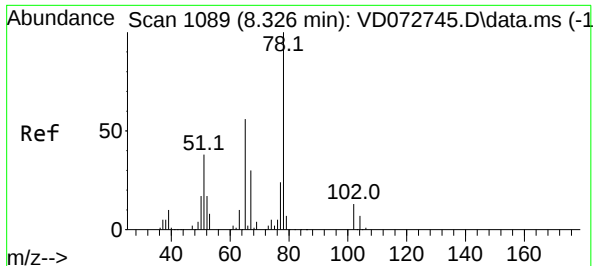
Delta R.T. 0.000 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

Tgt Ion: 56	Resp: 8888
Ion Ratio	Lower Upper
56 100	
69 151.4	25.4 38.2#
84 114.4	63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.221 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

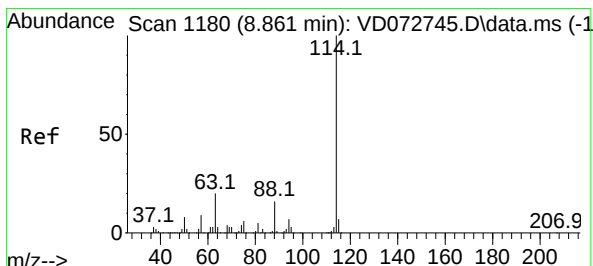
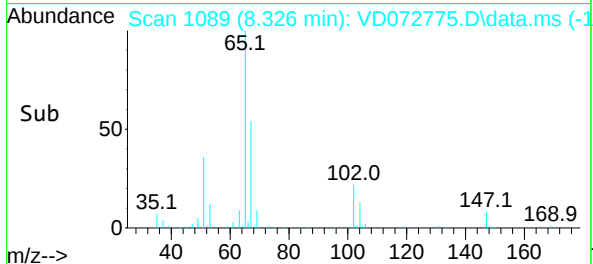
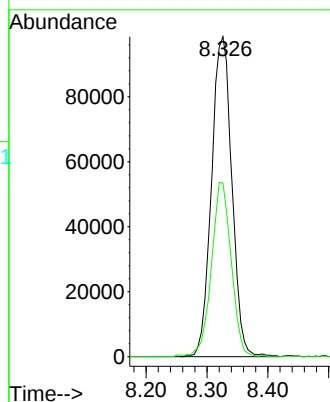
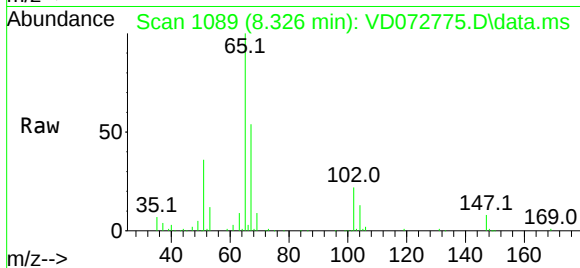
22L097-D

Tgt Ion: 65 Resp: 228602

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

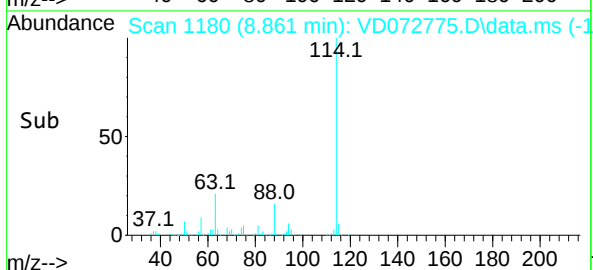
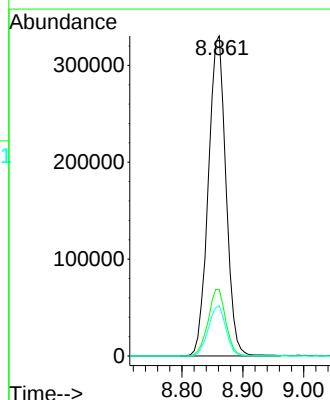
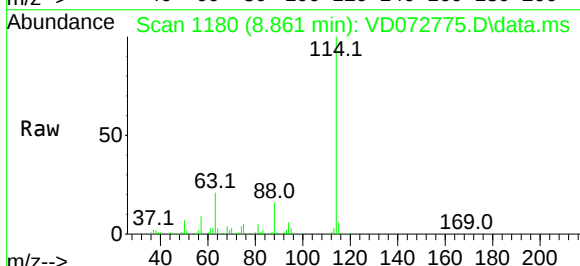
Tgt Ion: 114 Resp: 663209

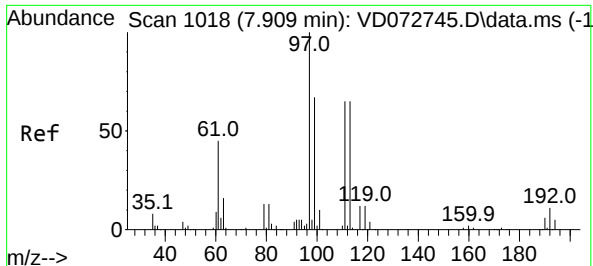
Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 27.193 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

22L097-D

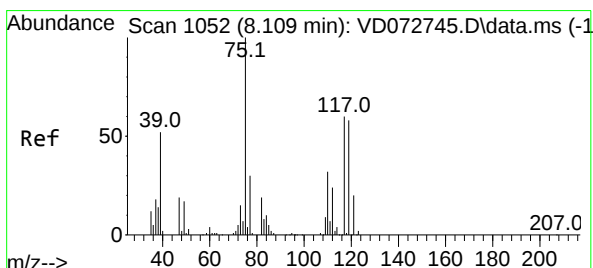
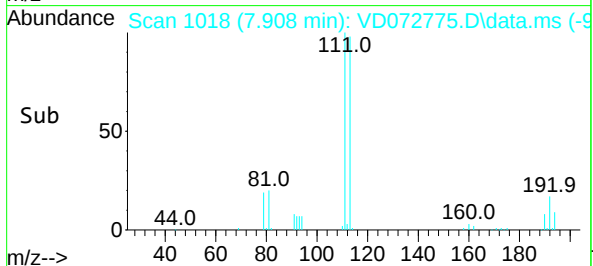
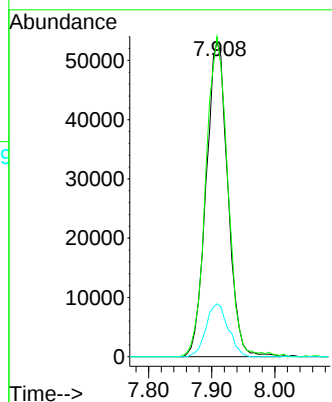
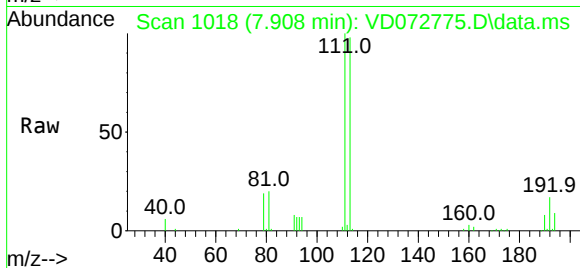
Tgt Ion:113 Resp: 126660

Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 17.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.961 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

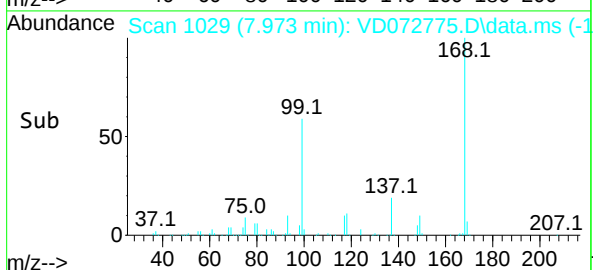
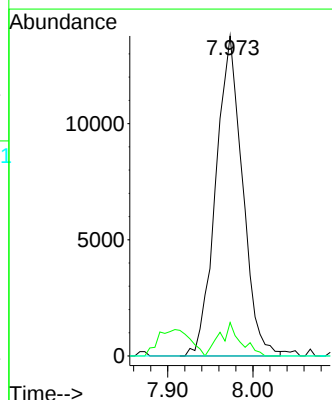
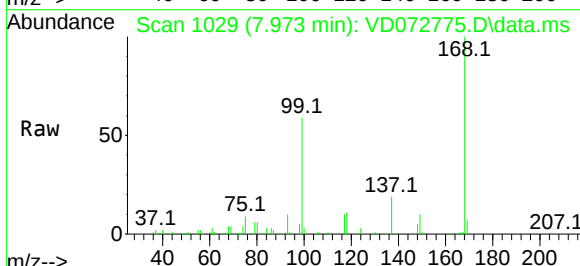
Tgt Ion: 75 Resp: 29999

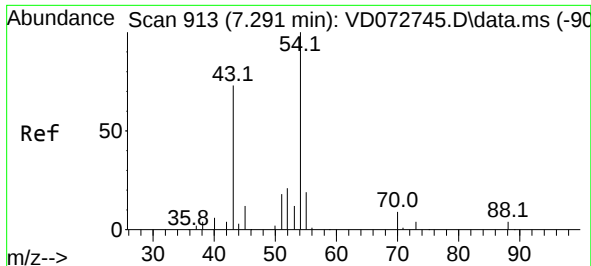
Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.436 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.083 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

22L097-D

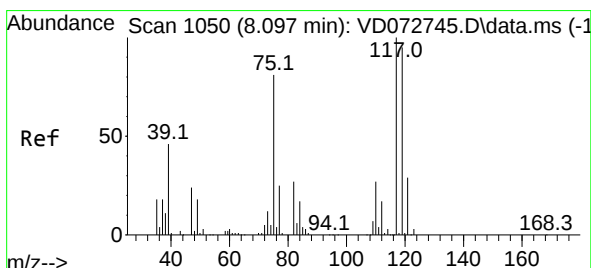
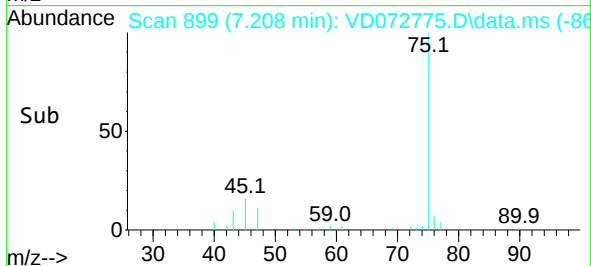
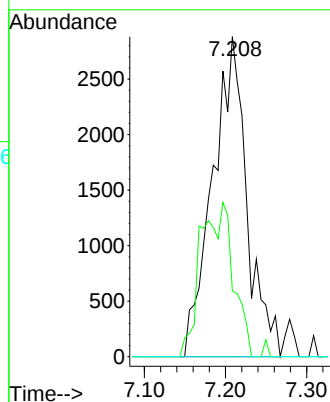
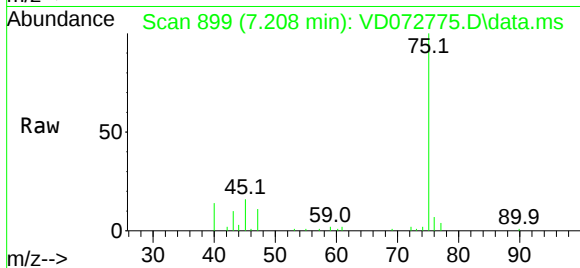
Tgt Ion: 43 Resp: 8482

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.528 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

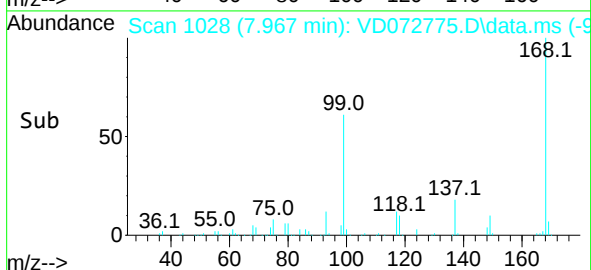
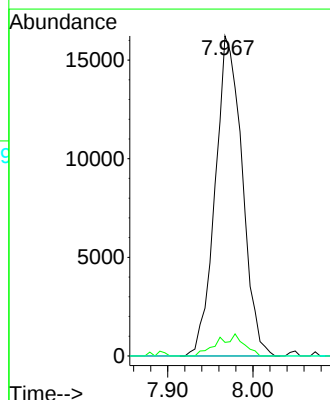
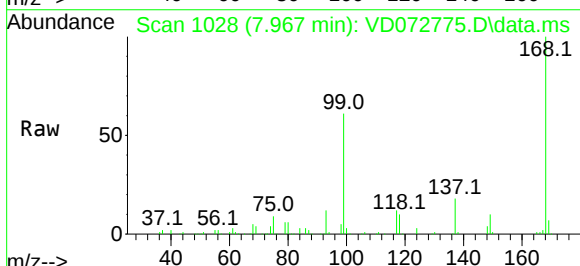
Tgt Ion: 117 Resp: 35596

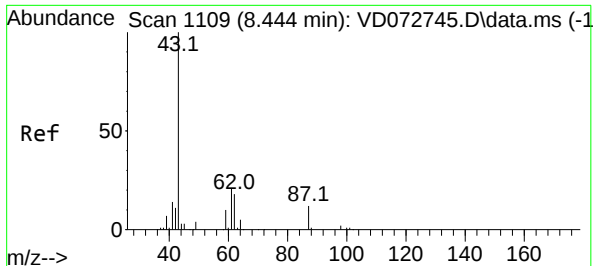
Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 1.056 ug/l

RT: 8.285 min Scan# 1082

Delta R.T. -0.159 min

Lab File: VD072775.D

Acq: 03 May 2022 18:44

Instrument :

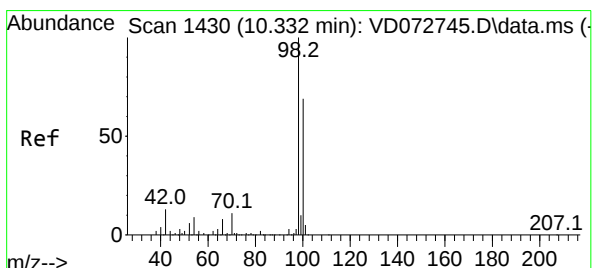
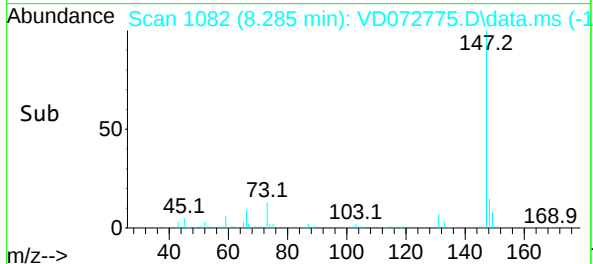
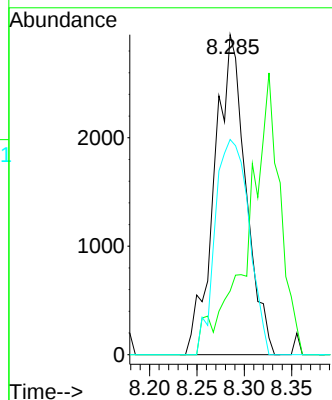
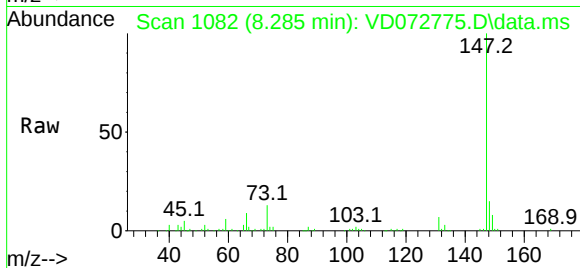
MSVOA_D

ClientSampleId :

22L097-D

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.4	33.6#
87	72.9	8.7	13.1#



#50

Toluene-d8

Concen: 47.762 ug/l

RT: 10.332 min Scan# 1430

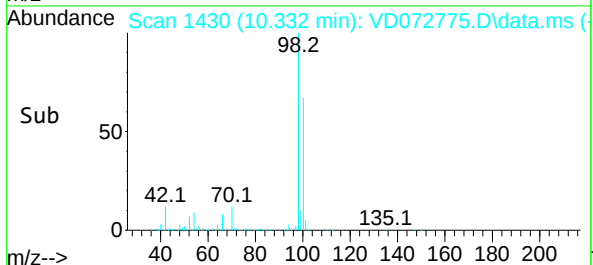
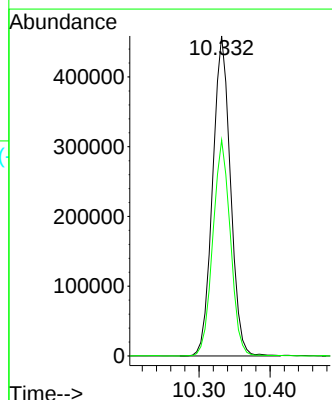
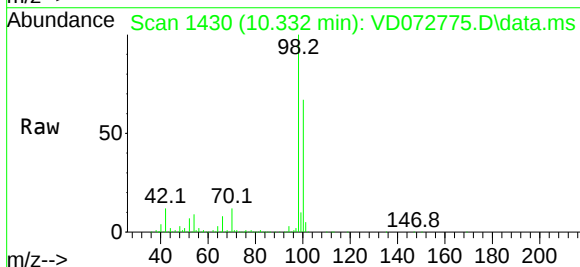
Delta R.T. -0.000 min

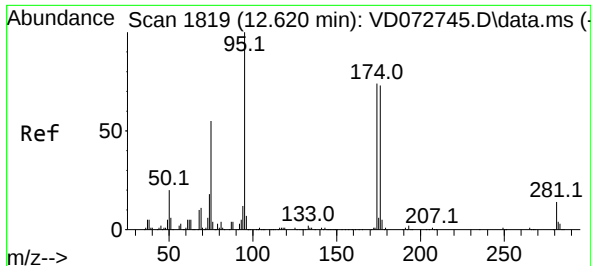
Lab File: VD072775.D

Acq: 03 May 2022 18:44

Tgt Ion: 98 Resp: 798005

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.4	78.6

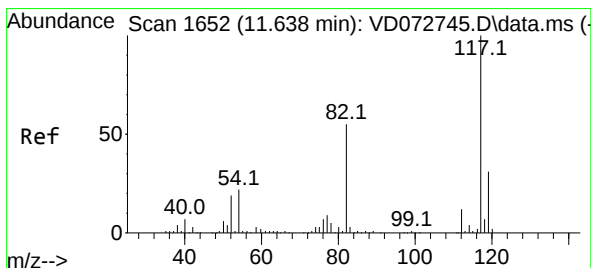
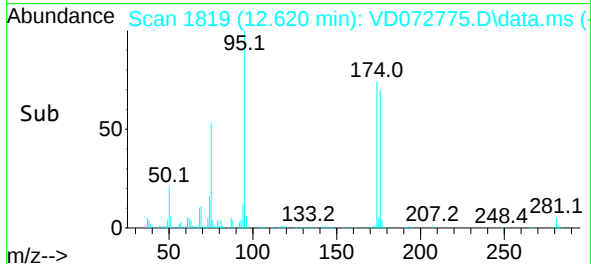
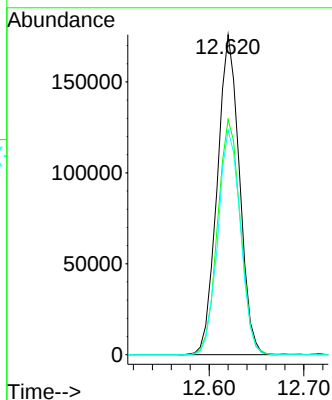
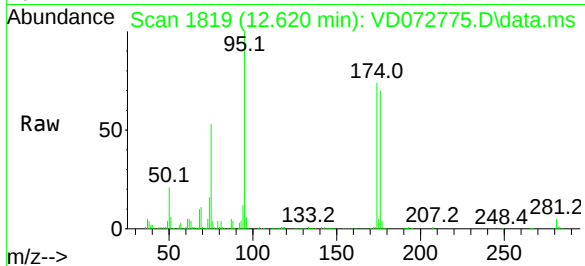




#62
4-Bromofluorobenzene
Concen: 46.063 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072775.D
Acq: 03 May 2022 18:44

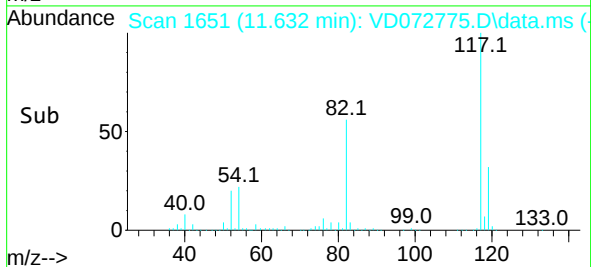
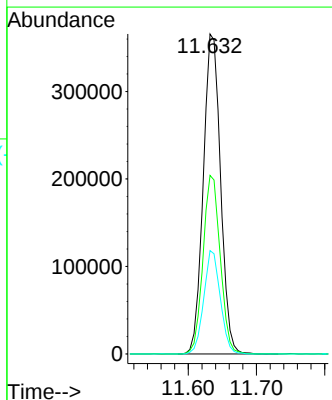
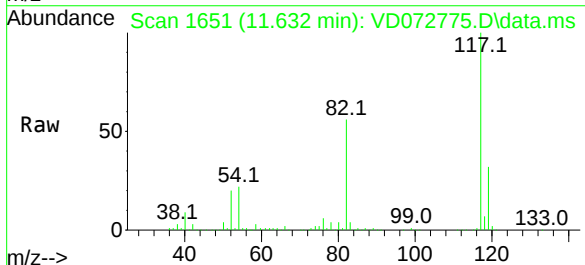
Instrument :
MSVOA_D
ClientSampleId :
22L097-D

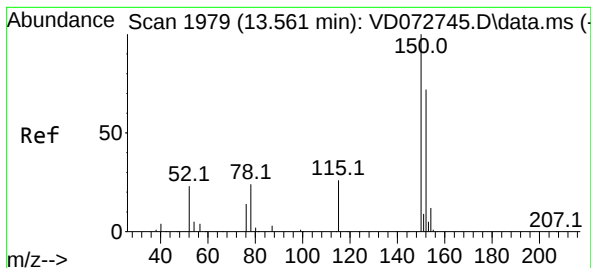
Tgt Ion: 95 Resp: 286972
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.8
176 71.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072775.D
Acq: 03 May 2022 18:44

Tgt Ion: 117 Resp: 644977
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 32.3 26.6 40.0

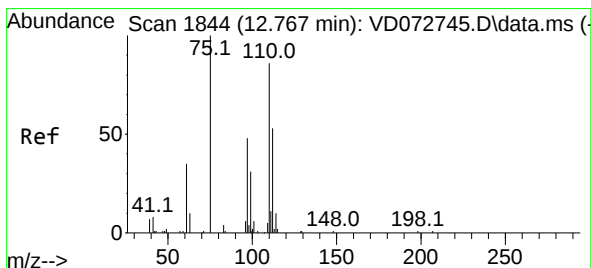
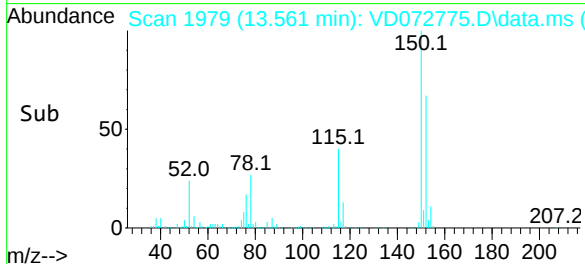
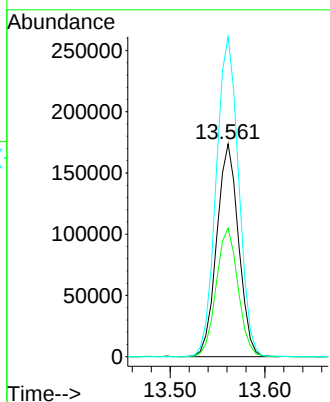
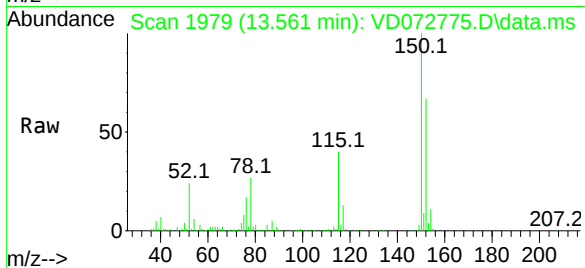




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD072775.D
 Acq: 03 May 2022 18:44

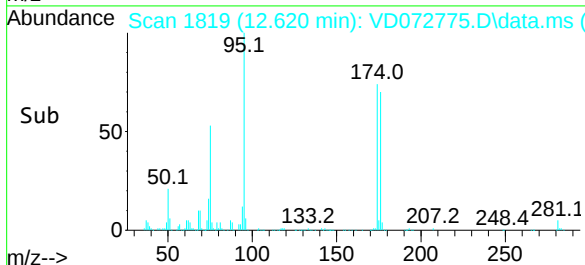
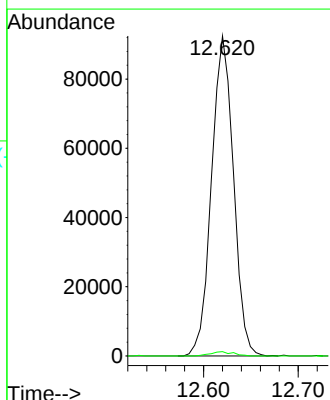
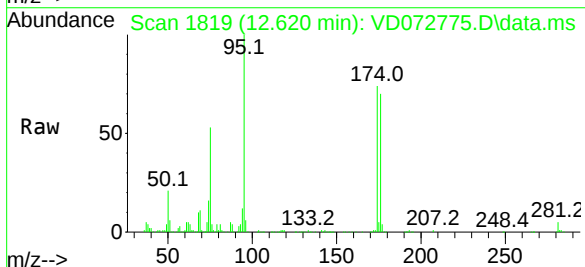
Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-D

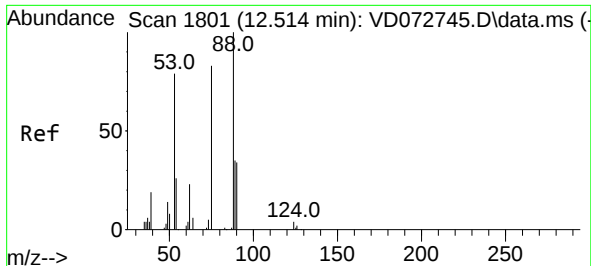
Tgt Ion:152 Resp: 278162
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.3 93.8
 150 154.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 48.058 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072775.D
 Acq: 03 May 2022 18:44

Tgt Ion: 75 Resp: 149061
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

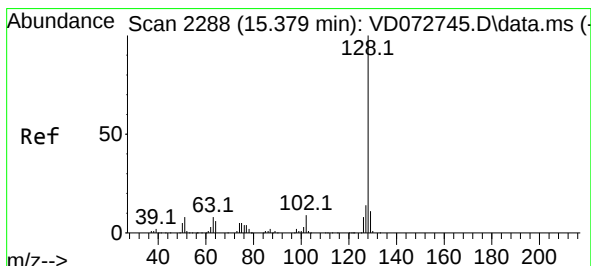
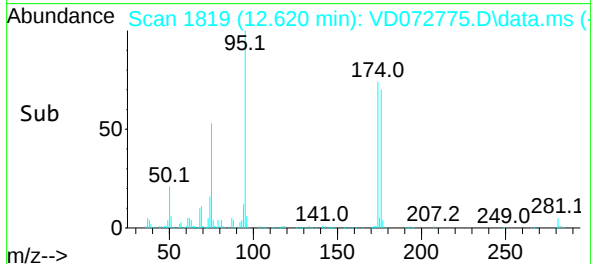
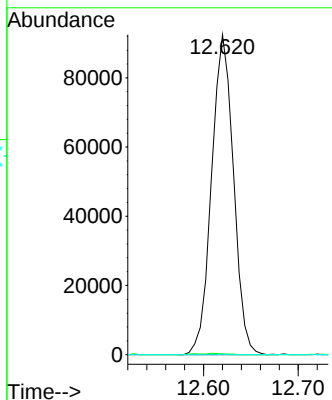
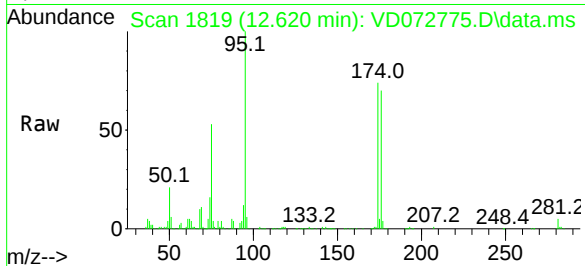




#81
trans-1,4-Dichloro-2-butene
Concen: 110.514 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072775.D
Acq: 03 May 2022 18:44

Instrument :
MSVOA_D
ClientSampleId :
22L097-D

Tgt Ion: 75 Resp: 149061
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 5.355 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.005 min
Lab File: VD072775.D
Acq: 03 May 2022 18:44

Tgt Ion:128 Resp: 52605
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.6 8.4 12.6

