

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072772.D
 Acq On : 03 May 2022 17:17
 Operator : VA/SY
 Sample : N2659-01
 Misc : 5.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-A

Quant Time: May 04 01:27:09 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)

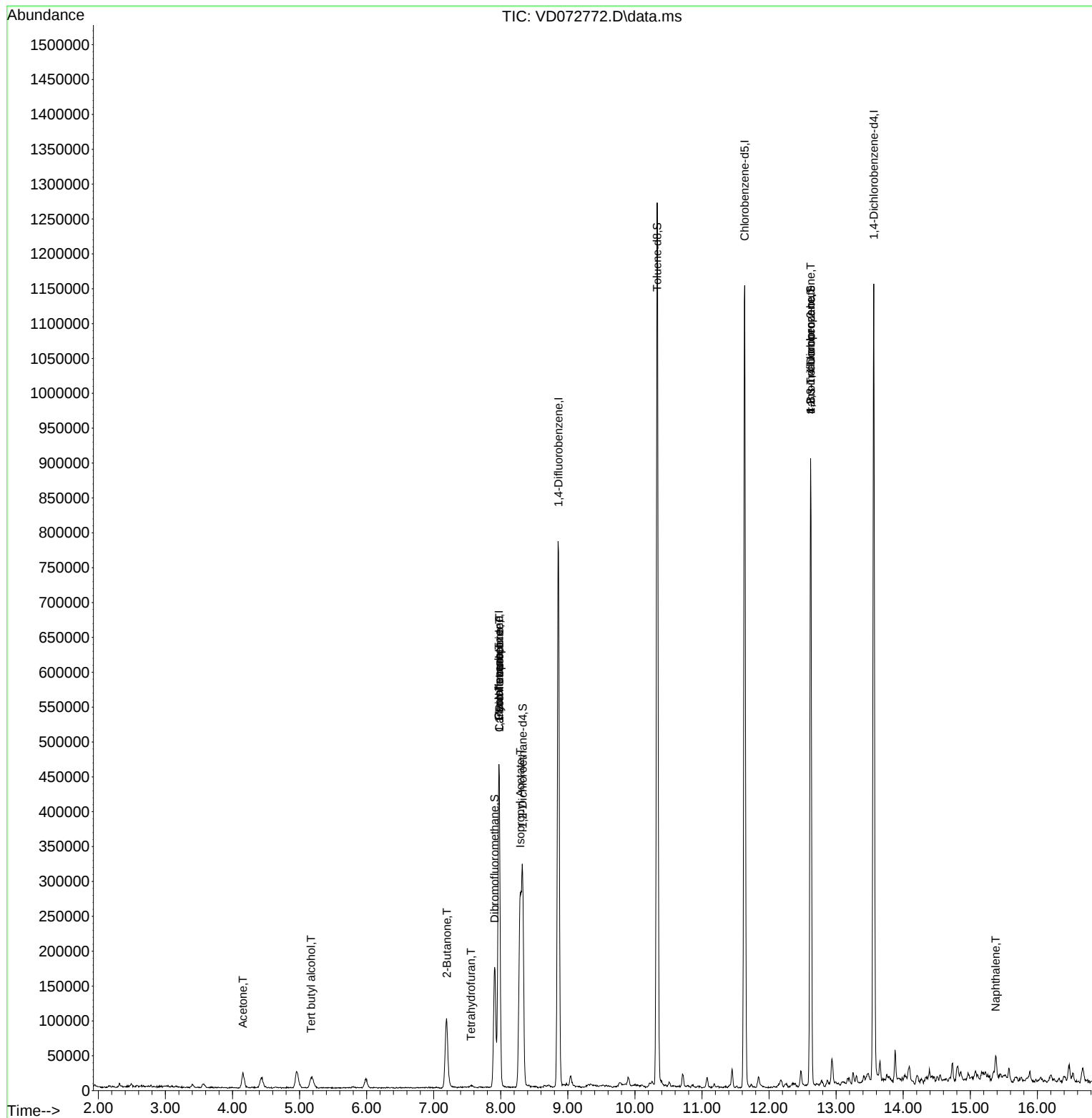
Internal Standards						
1) Pentafluorobenzene	7.973	168	328164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	669301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	649392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	292240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	227739	53.462	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.920%			
35) Dibromofluoromethane	7.908	113	125061	26.605	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 53.220%#			
50) Toluene-d8	10.332	98	817281	48.470	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.940%			
62) 4-Bromofluorobenzene	12.620	95	291879	46.425	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.840%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.762	94	623	Below Cal	#	43
11) Tert butyl alcohol	5.173	59	7112	19.297	ug/l #	78
16) Acetone	4.156	43	37246	34.708	ug/l #	86
18) Methyl Acetate	4.714	43	184	Below Cal	#	55
20) Methylene Chloride	4.956	84	18082	Below Cal		85
25) 2-Butanone	7.197	43	6460	5.205	ug/l	99
29) Tetrahydrofuran	7.556	42	1339	1.693	ug/l #	64
31) Cyclohexane	7.973	56	8983	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	29829	3.903	ug/l #	51
38) Carbon Tetrachloride	7.979	117	36067	4.546	ug/l #	17
43) Isopropyl Acetate	8.291	43	7299	1.125	ug/l #	5
76) 1,2,3-Trichloropropane	12.620	75	153867	47.218	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	153867	108.582	ug/l #	7
95) Naphthalene	15.379	128	30707	2.975	ug/l #	96

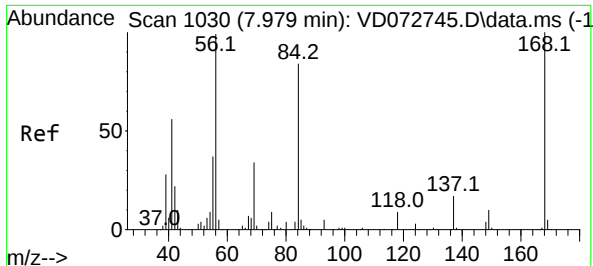
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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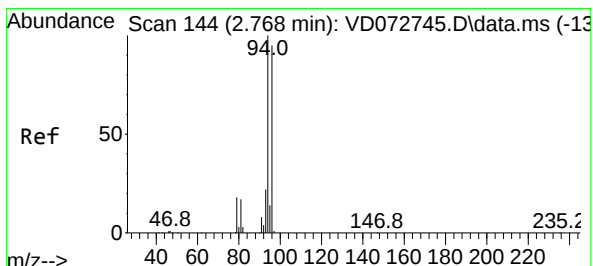
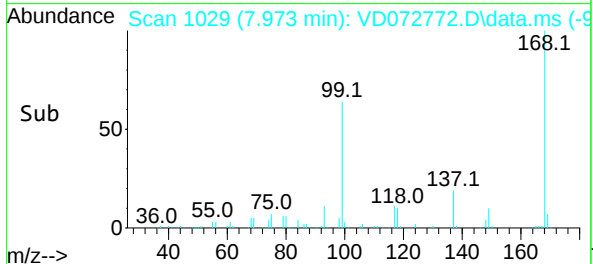
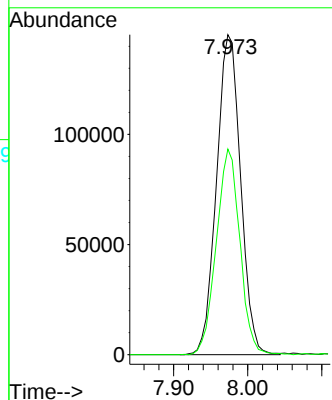
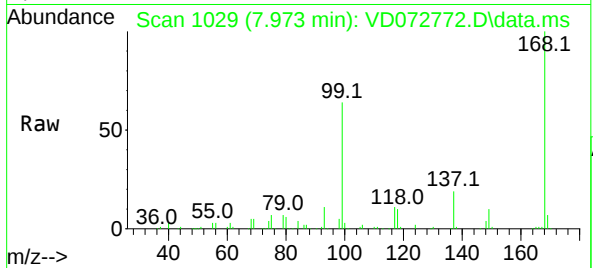




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

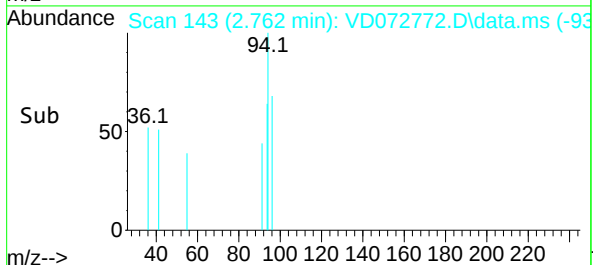
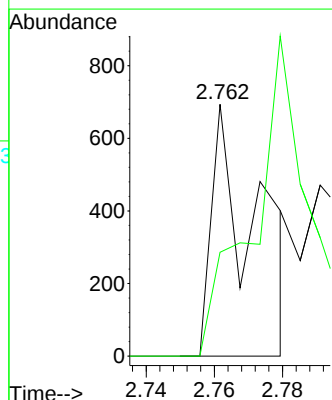
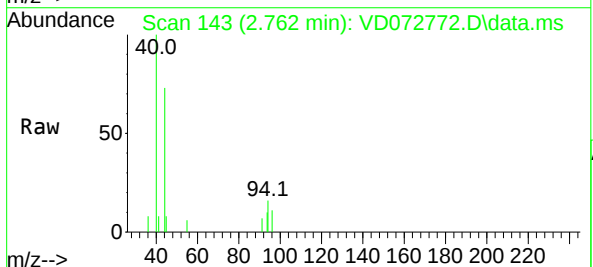
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

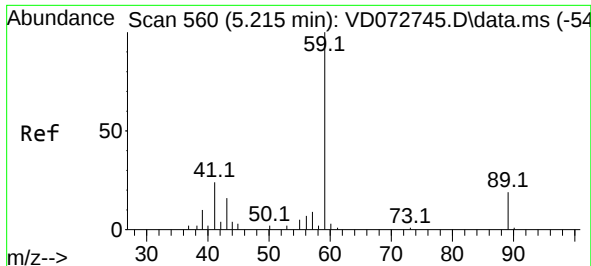
Tgt Ion:168 Resp: 328164
Ion Ratio Lower Upper
168 100
99 64.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.006 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

Tgt Ion: 94 Resp: 623
Ion Ratio Lower Upper
94 100
96 41.2 77.6 116.4#

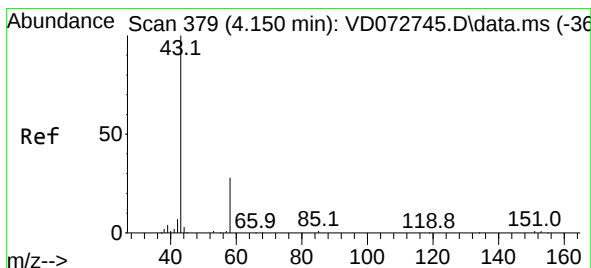
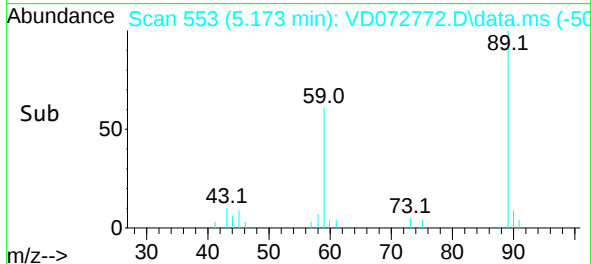
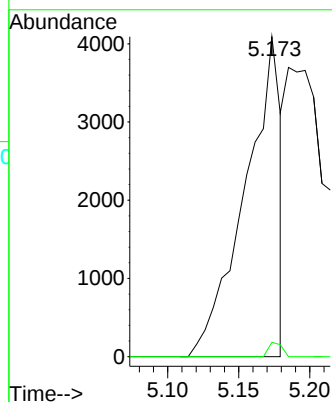
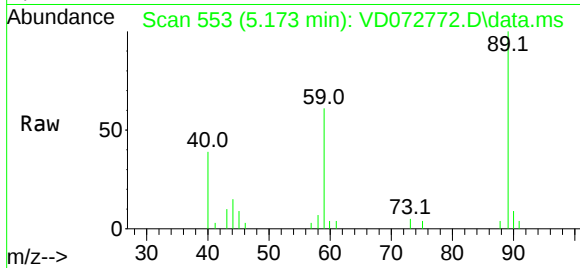




#11
Tert butyl alcohol
Concen: 19.297 ug/l
RT: 5.173 min Scan# 511
Delta R.T. -0.042 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

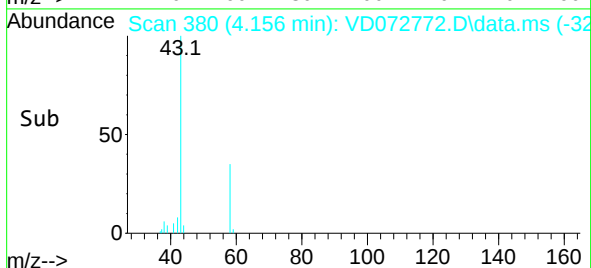
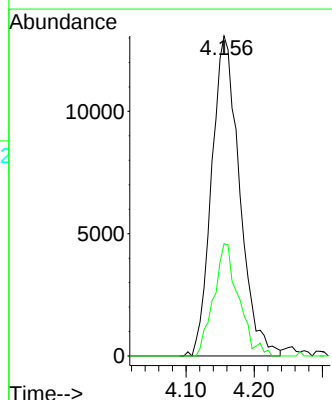
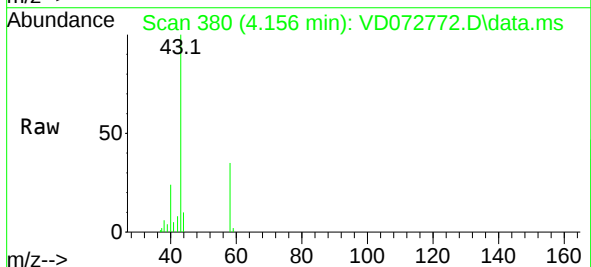
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

Tgt Ion: 59 Resp: 7112
Ion Ratio Lower Upper
59 100
57 1.7 7.8 11.6#



#16
Acetone
Concen: 34.708 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

Tgt Ion: 43 Resp: 37246
Ion Ratio Lower Upper
43 100
58 35.1 22.1 33.1#



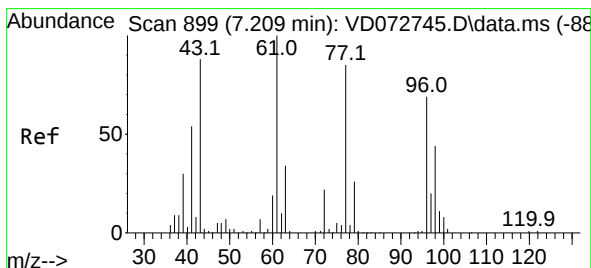
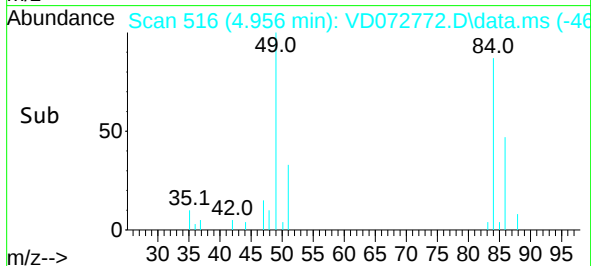
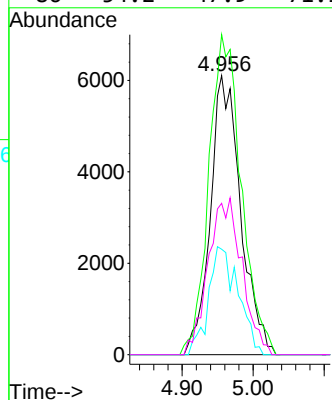
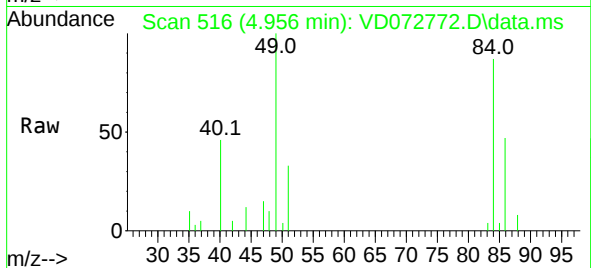


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

Instrument :
MSVOA_D
ClientSampleId :
22L097-A

Tgt Ion: 84 Resp: 18082

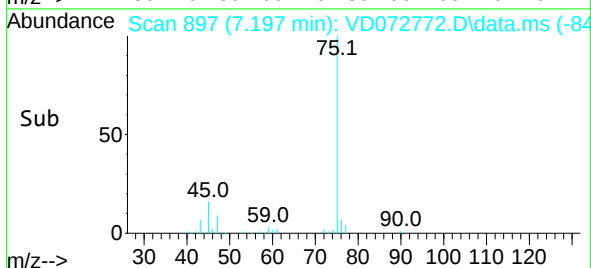
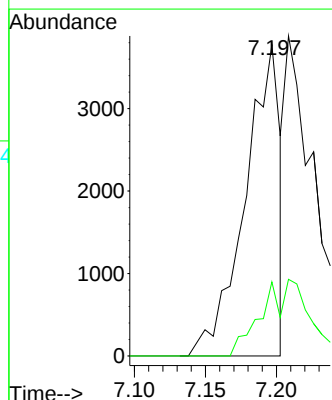
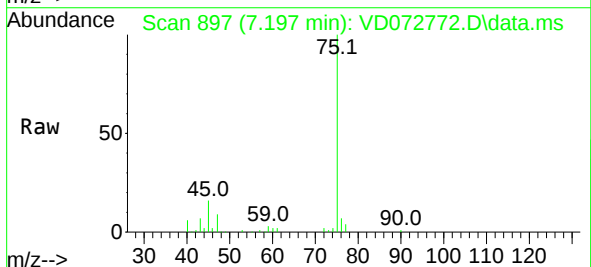
Ion	Ratio	Lower	Upper
84	100		
49	114.7	112.8	169.2
51	37.8	32.6	48.8
86	54.2	47.9	71.9

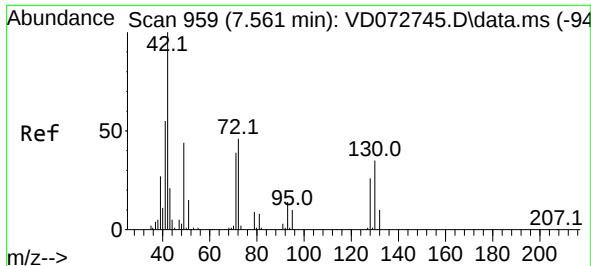


#25
2-Butanone
Concen: 5.205 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

Tgt Ion: 43 Resp: 6460

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	27.8





#29

Tetrahydrofuran

Concen: 1.693 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD072772.D

Acq: 03 May 2022 17:17

Instrument :

MSVOA_D

ClientSampleId :

22L097-A

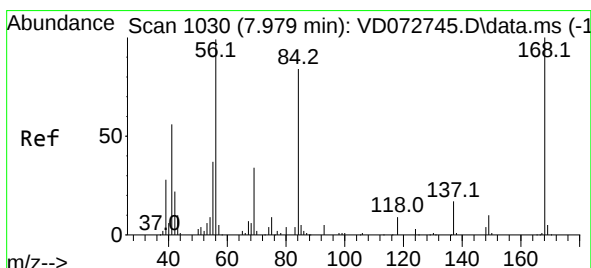
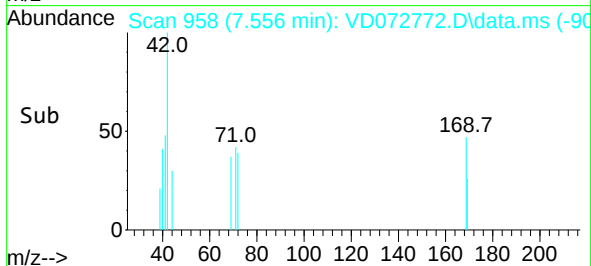
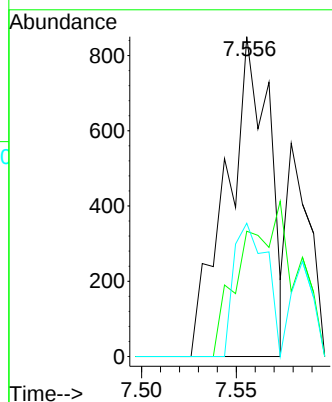
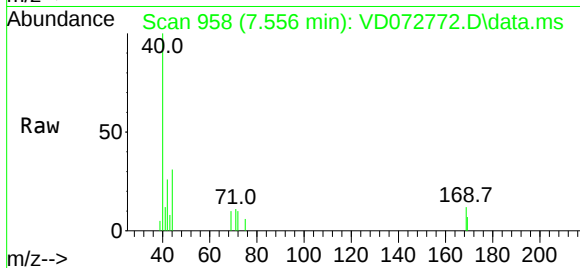
Tgt Ion: 42 Resp: 1339

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 31.7 28.6 43.0



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072772.D

Acq: 03 May 2022 17:17

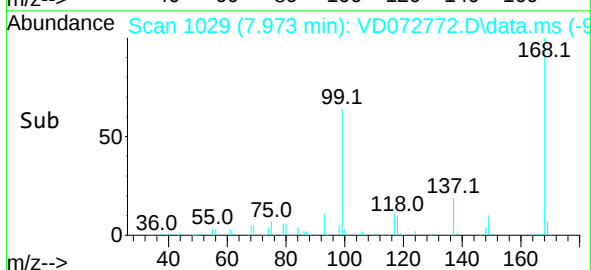
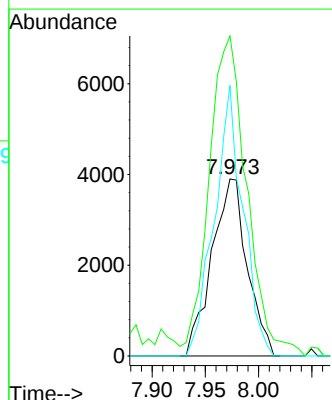
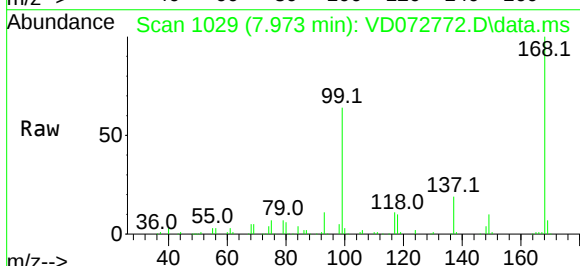
Tgt Ion: 56 Resp: 8983

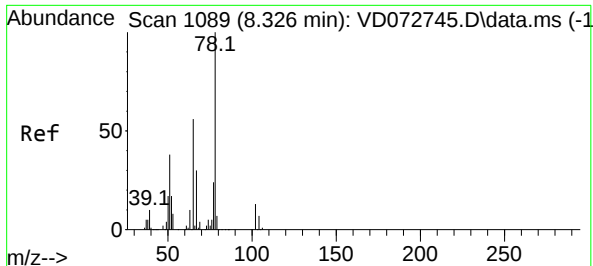
Ion Ratio Lower Upper

56 100

69 175.5 25.4 38.2#

84 152.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 53.462 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072772.D

Acq: 03 May 2022 17:17

Instrument :

MSVOA_D

ClientSampleId :

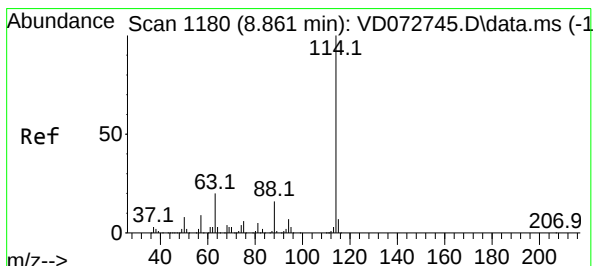
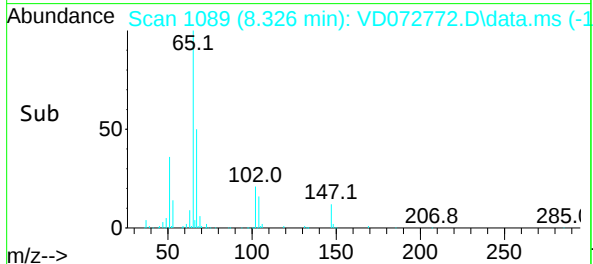
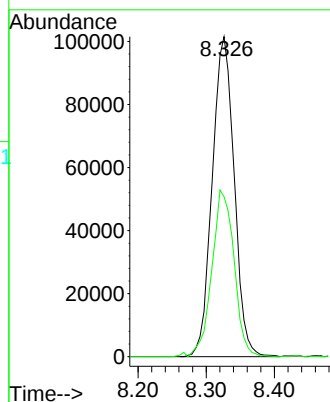
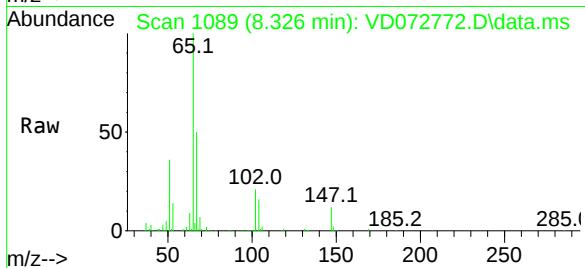
22L097-A

Tgt Ion: 65 Resp: 227739

Ion Ratio Lower Upper

65 100

67 52.8 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: VD072772.D

Acq: 03 May 2022 17:17

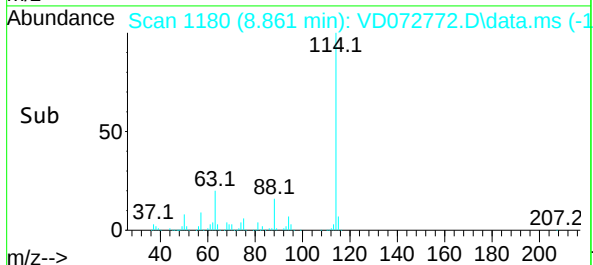
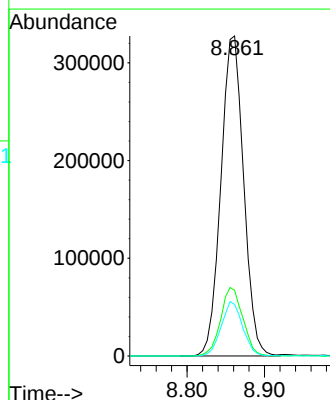
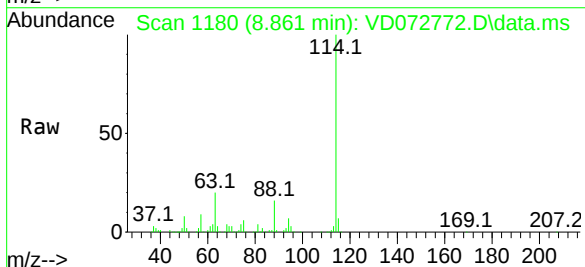
Tgt Ion: 114 Resp: 669301

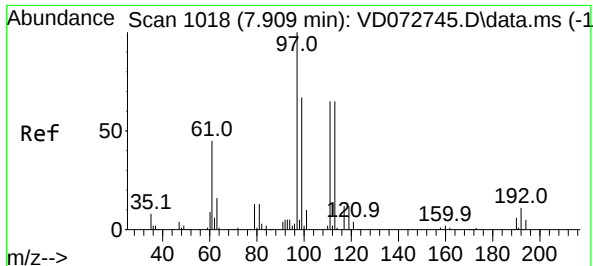
Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 26.605 ug/l

RT: 7.908 min Scan# 1030

Delta R.T. -0.001 min

Lab File: VD072772.D

Acq: 03 May 2022 17:17

Instrument :

MSVOA_D

ClientSampleId :

22L097-A

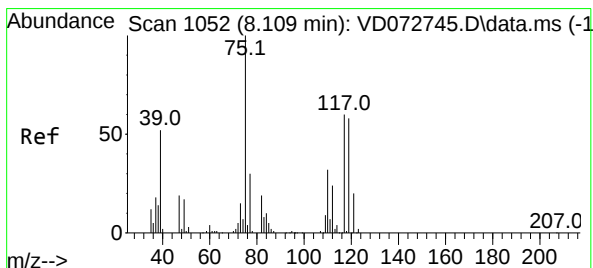
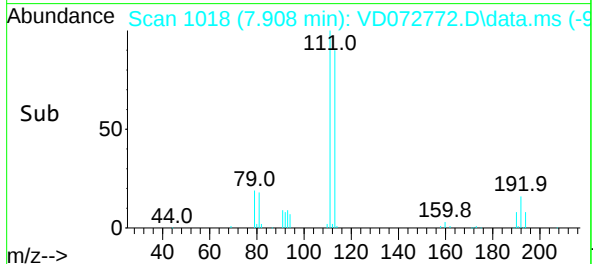
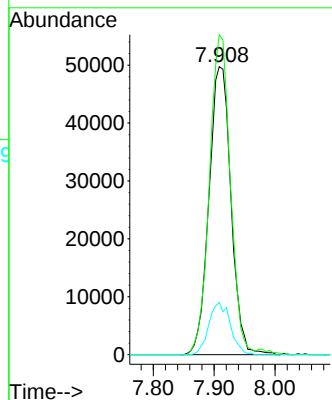
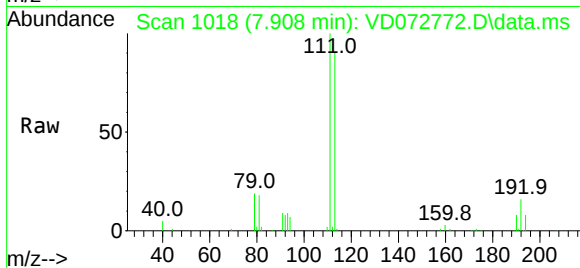
Tgt Ion:113 Resp: 125061

Ion Ratio Lower Upper

113 100

111 105.2 83.8 125.6

192 17.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.903 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD072772.D

Acq: 03 May 2022 17:17

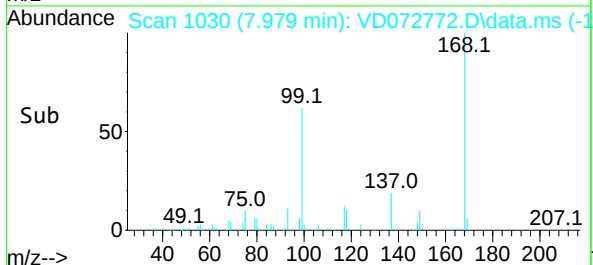
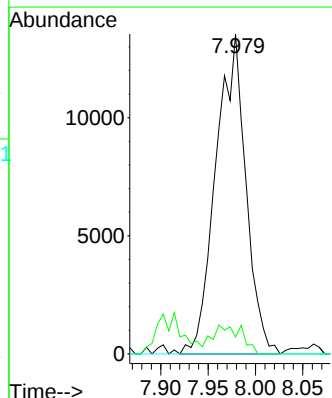
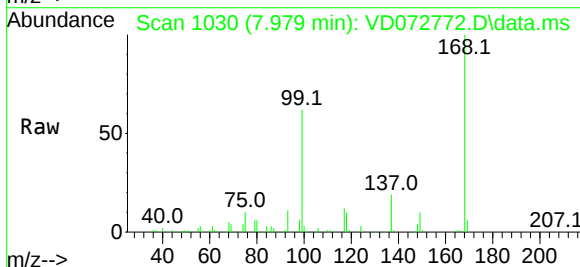
Tgt Ion: 75 Resp: 29829

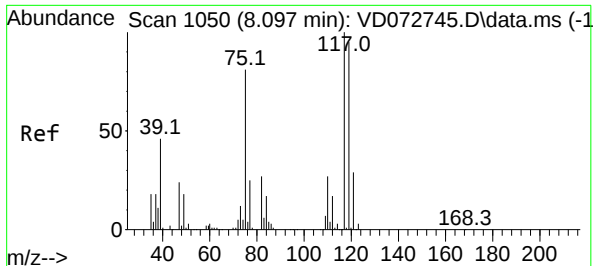
Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.1#

77 0.0 24.2 36.2#

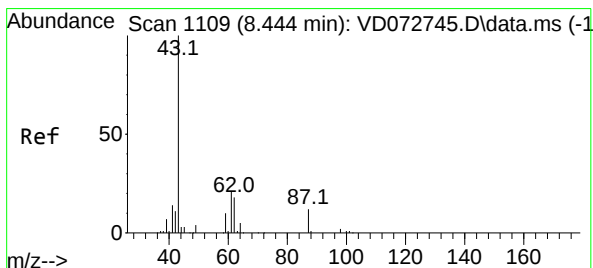
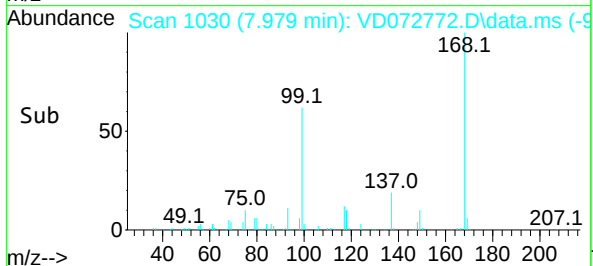
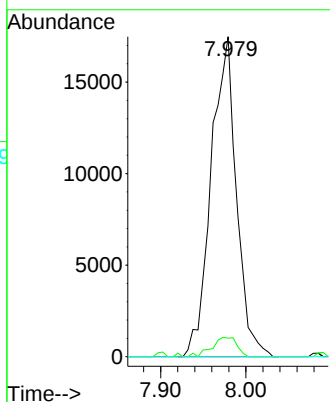
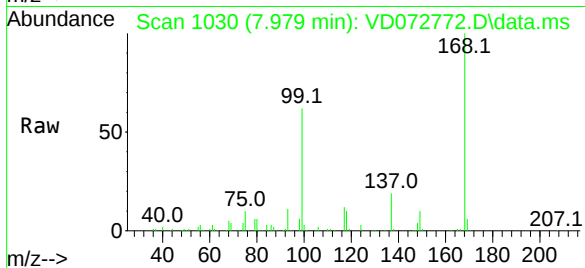




#38
Carbon Tetrachloride
Concen: 4.546 ug/l
RT: 7.979 min Scan# 1083
Delta R.T. -0.118 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

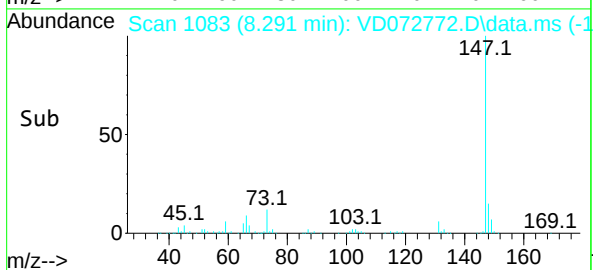
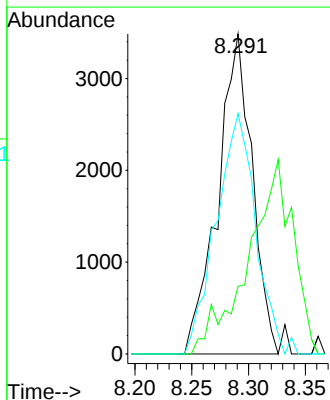
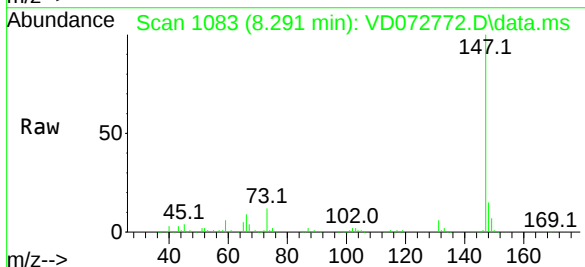
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

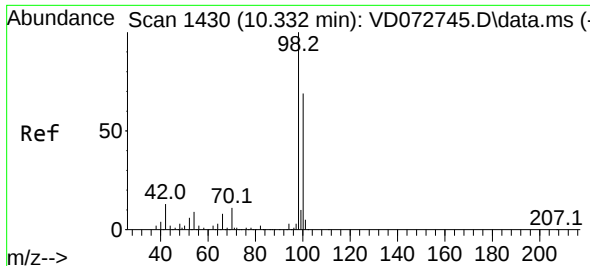
Tgt Ion:117 Resp: 36067
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 1.125 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.153 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

Tgt Ion: 43 Resp: 7299
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 86.8 8.7 13.1#

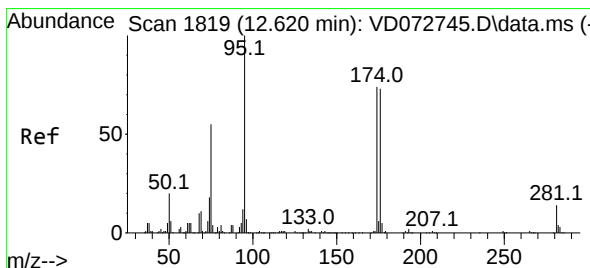
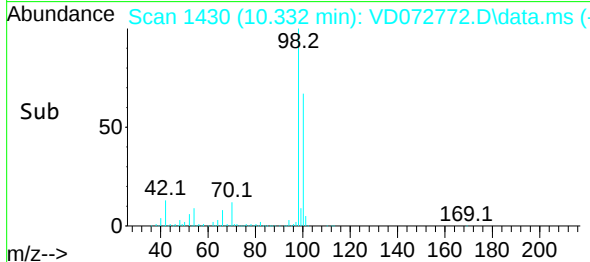
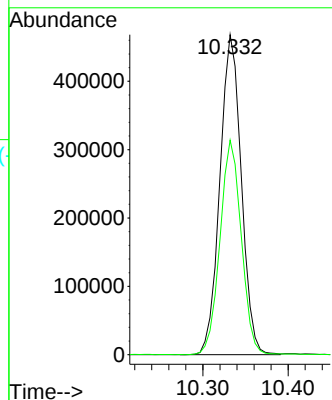
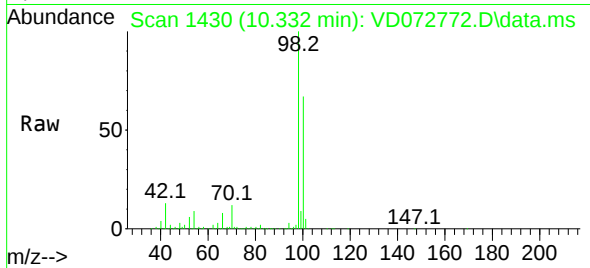




#50
Toluene-d8
Concen: 48.470 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

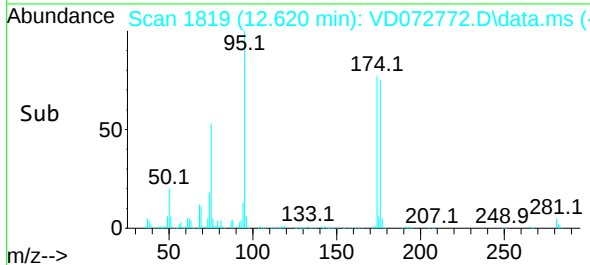
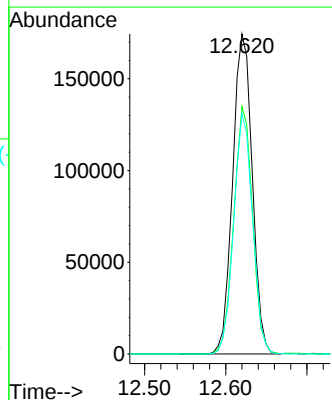
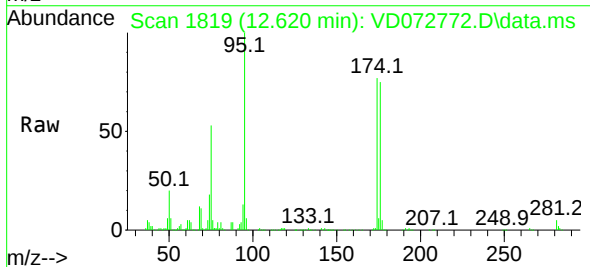
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

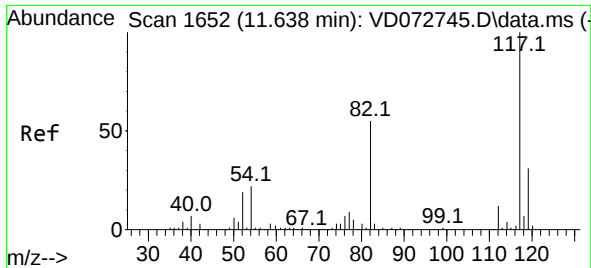
Tgt Ion: 98 Resp: 817281
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.425 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

Tgt Ion: 95 Resp: 291879
Ion Ratio Lower Upper
95 100
174 74.5 0.0 152.8
176 72.5 0.0 145.4

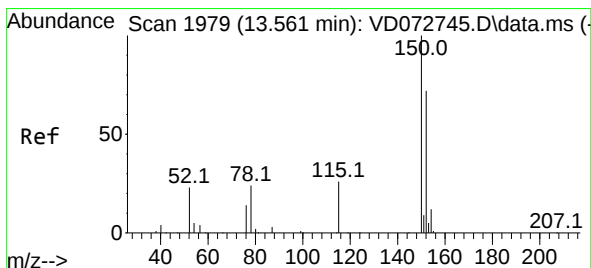
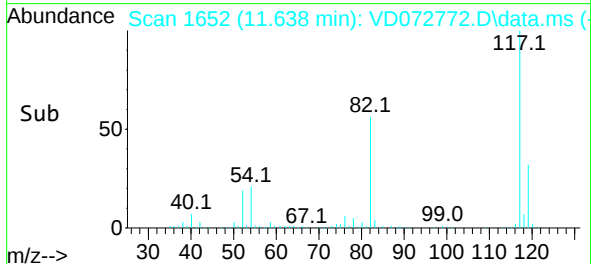
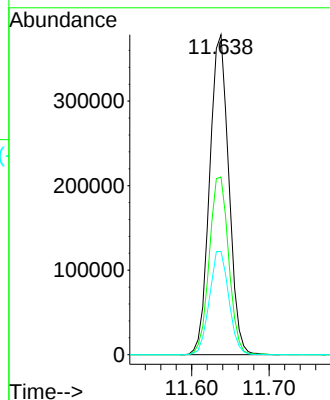
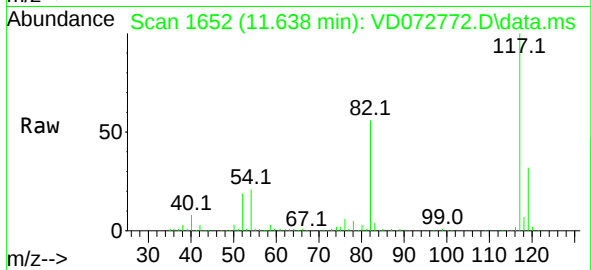




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

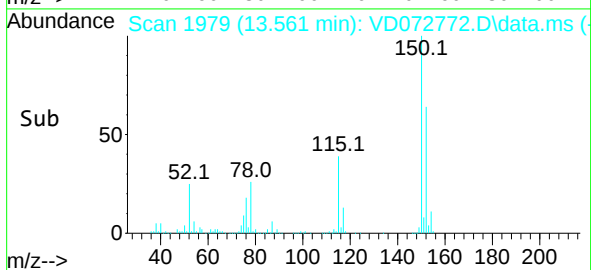
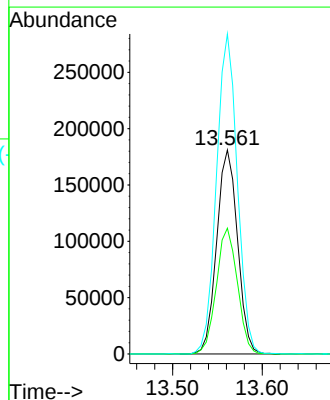
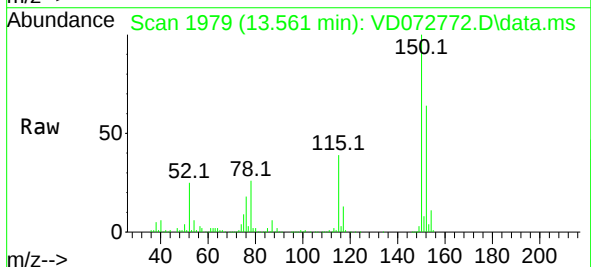
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

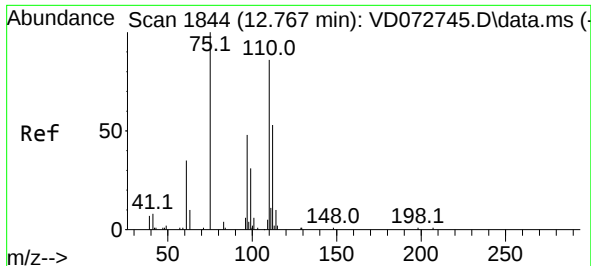
Tgt Ion:117 Resp: 649392
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 32.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

Tgt Ion:152 Resp: 292240
Ion Ratio Lower Upper
152 100
115 62.3 31.3 93.8
150 156.8 0.0 348.6

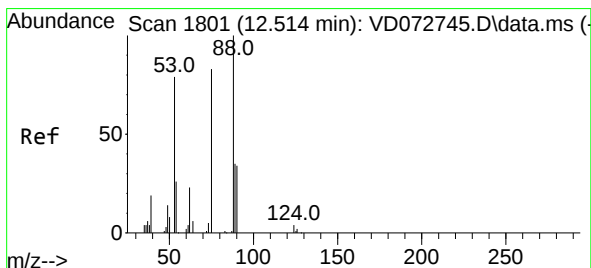
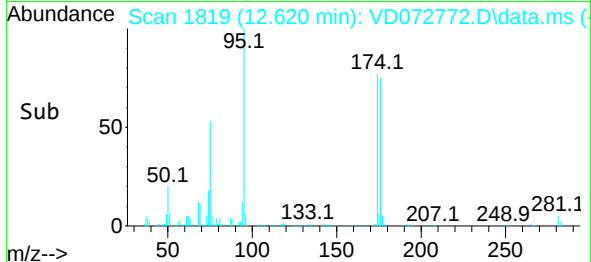
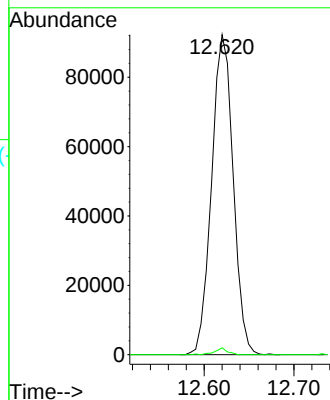
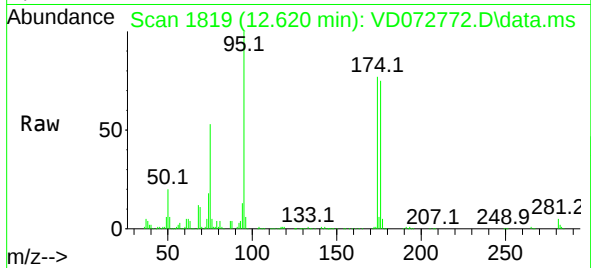




#76
1,2,3-Trichloropropane
Concen: 47.218 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

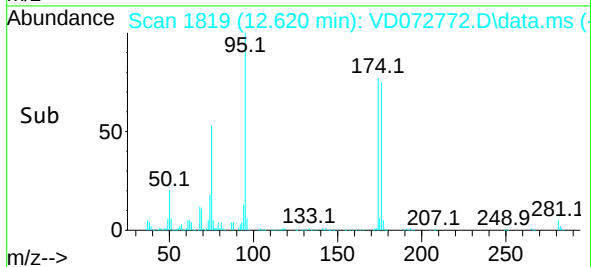
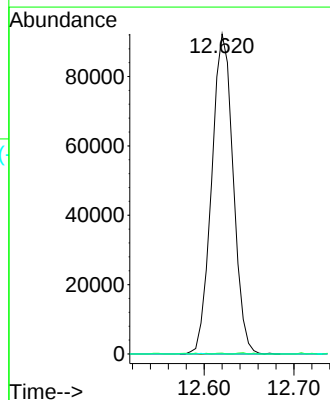
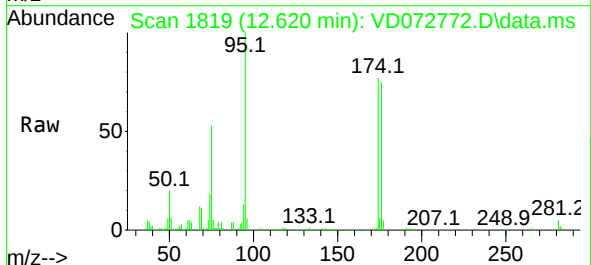
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

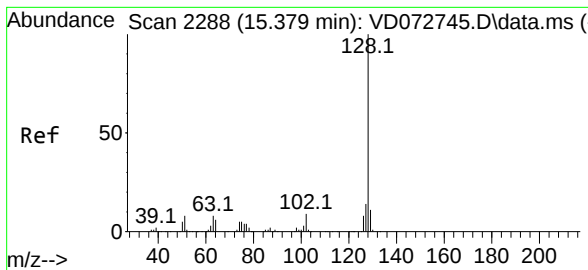
Tgt Ion: 75 Resp: 153867
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.582 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072772.D
Acq: 03 May 2022 17:17

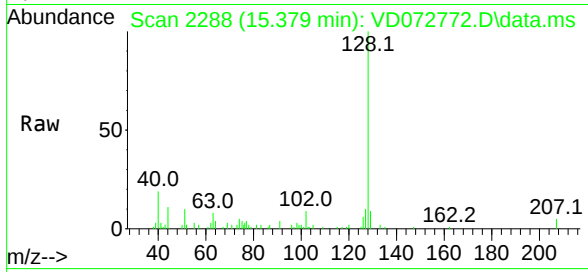
Tgt Ion: 75 Resp: 153867
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
 Naphthalene
 Concen: 2.975 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD072772.D
 Acq: 03 May 2022 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-A



Tgt Ion:	128	Resp:	30707
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	13.0	8.4	12.6

