

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072757.D
 Acq On : 02 May 2022 20:29
 Operator : VA/SY
 Sample : N2609-10
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-4

Quant Time: May 03 08:37:27 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)

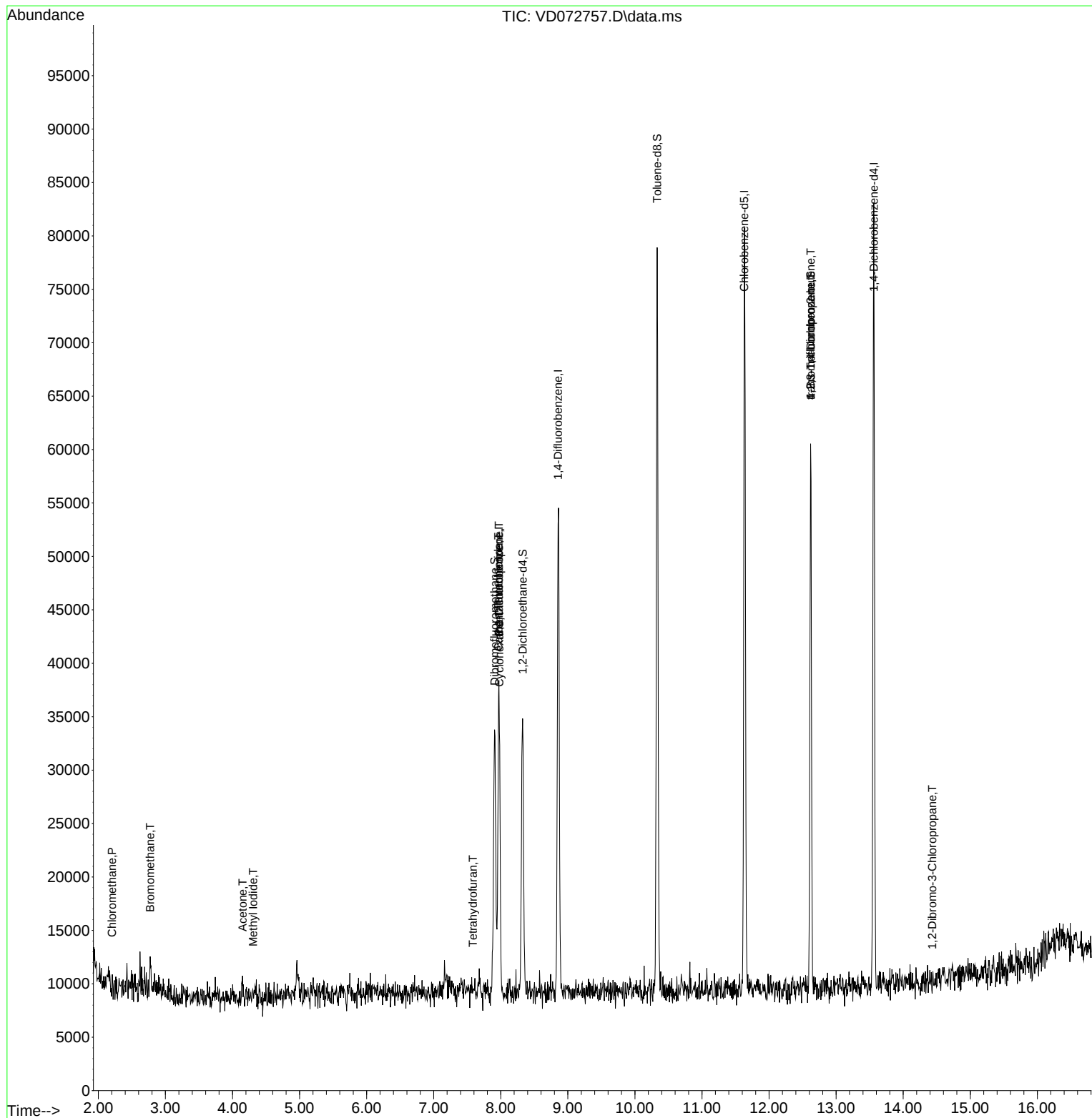
Internal Standards						
1) Pentafluorobenzene	7.973	168	21033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	38695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	41424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	19028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	21551	78.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.860%	
35) Dibromofluoromethane	7.908	113	17531	64.509	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.020%	
50) Toluene-d8	10.332	98	45589	46.766	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.540%	
62) 4-Bromofluorobenzene	12.620	95	16739	46.051	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	728	2.408	ug/l #	60
5) Bromomethane	2.773	94	1363	6.837	ug/l #	67
10) Methyl Iodide	4.309	142	927	3.276	ug/l #	68
16) Acetone	4.150	43	852	2.891	ug/l #	81
20) Methylene Chloride	4.962	84	1151	Below Cal	#	75
29) Tetrahydrofuran	7.585	42	60	1.183	ug/l #	38
31) Cyclohexane	7.979	56	718	1.504	ug/l #	62
36) 1,1-Dichloropropene	7.973	75	1863	4.216	ug/l #	49
38) Carbon Tetrachloride	7.967	117	2458	5.359	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	8458	39.863	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	8458	91.670	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.432	75	55	1.161	ug/l #	6

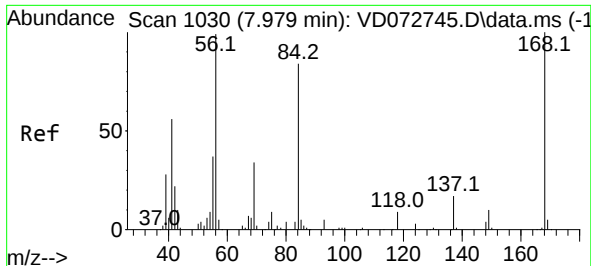
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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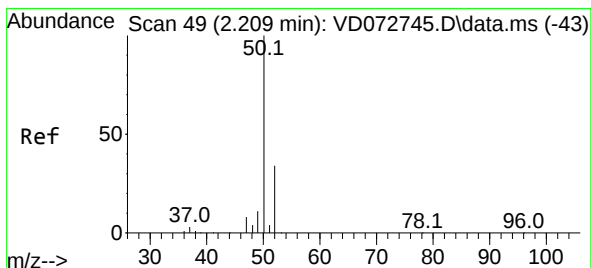
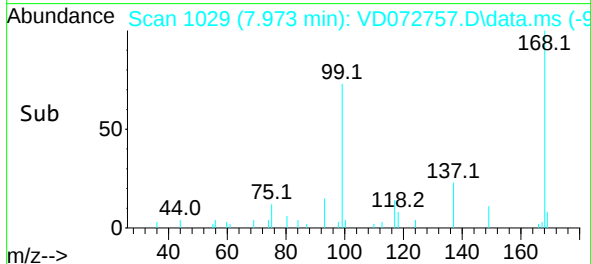
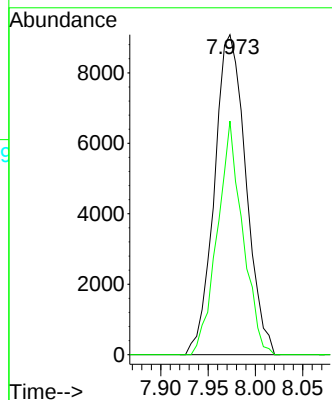
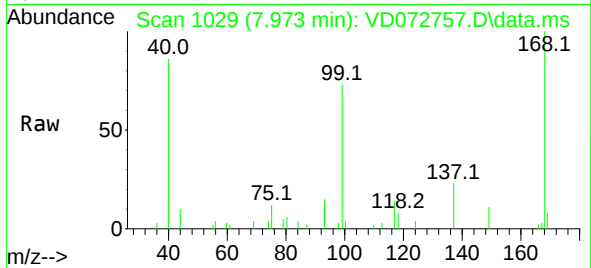




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072757.D
Acq: 02 May 2022 20:29

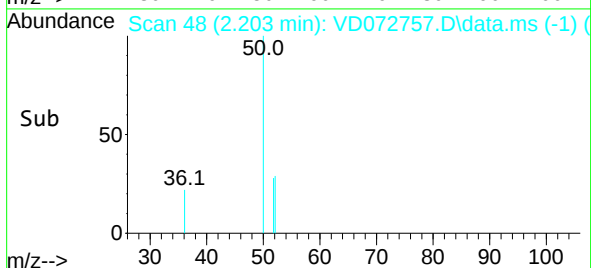
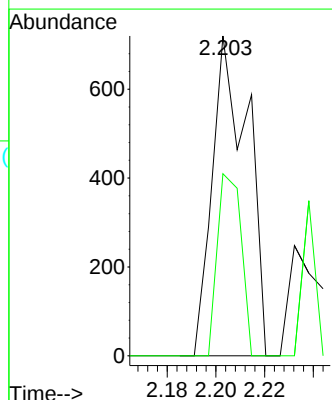
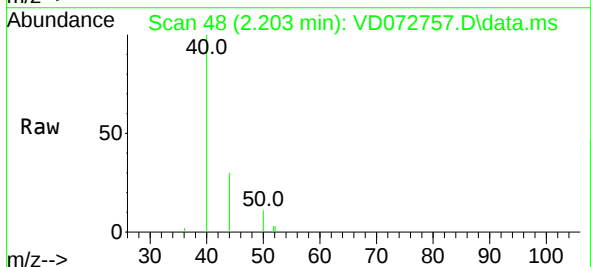
Instrument :
MSVOA_D
ClientSampleId :
WC-4

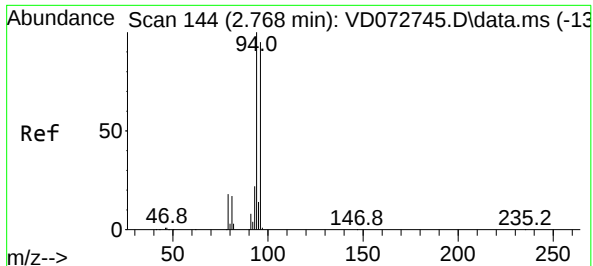
Tgt Ion:168 Resp: 21033
Ion Ratio Lower Upper
168 100
99 73.0 49.8 74.6



#3
Chloromethane
Concen: 2.408 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072757.D
Acq: 02 May 2022 20:29

Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 56.9 27.4 41.0#

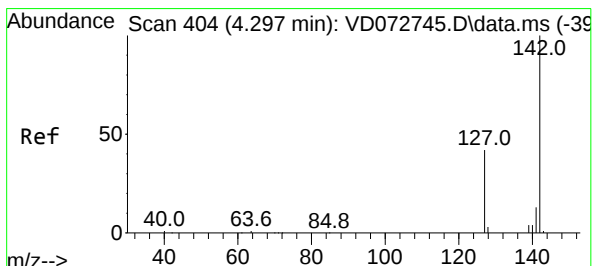
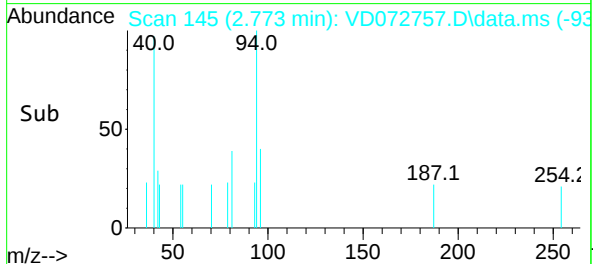
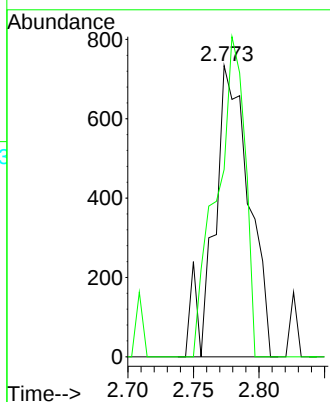
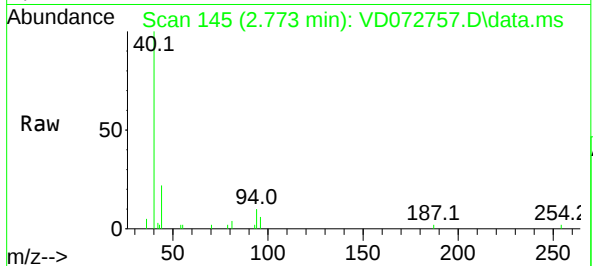




#5
Bromomethane
Concen: 6.837 ug/l
RT: 2.773 min Scan# 14
Delta R.T. 0.005 min
Lab File: VD072757.D
Acq: 02 May 2022 20:29

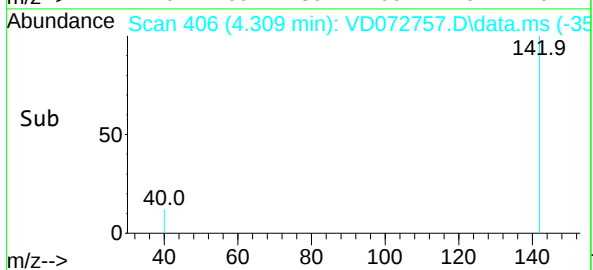
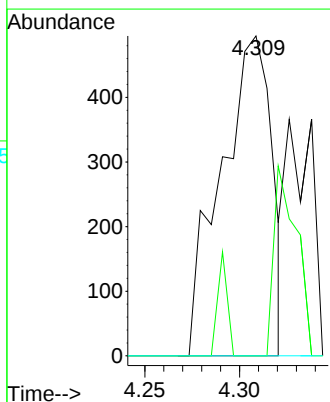
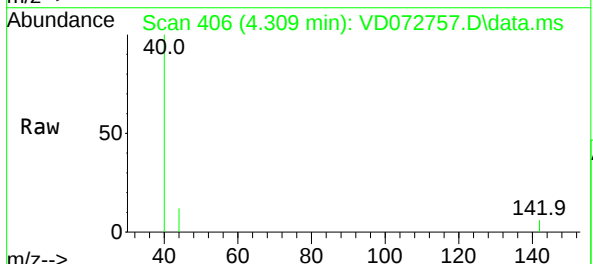
Instrument :
MSVOA_D
ClientSampleId :
WC-4

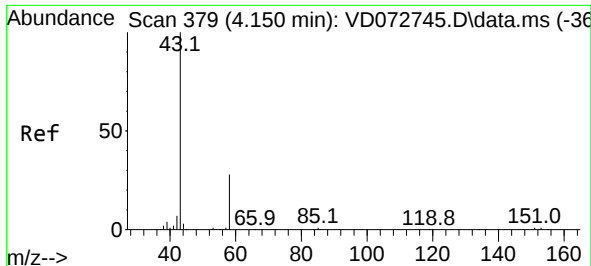
Tgt Ion: 94 Resp: 1363
Ion Ratio Lower Upper
94 100
96 64.3 77.6 116.4#



#10
Methyl Iodide
Concen: 3.276 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD072757.D
Acq: 02 May 2022 20:29

Tgt Ion:142 Resp: 927
Ion Ratio Lower Upper
142 100
127 26.4 37.3 55.9#
141 0.0 11.7 17.5#





#16

Acetone

Concen: 2.891 ug/l

RT: 4.150 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD072757.D

Acq: 02 May 2022 20:29

Instrument :

MSVOA_D

ClientSampleId :

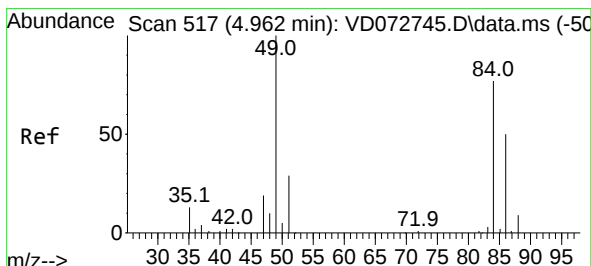
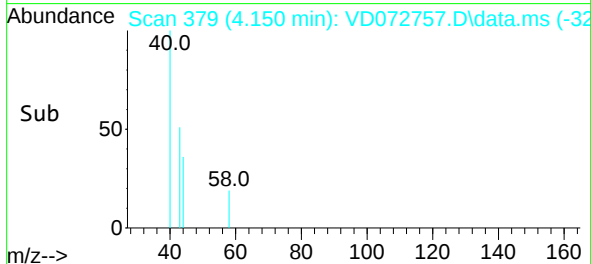
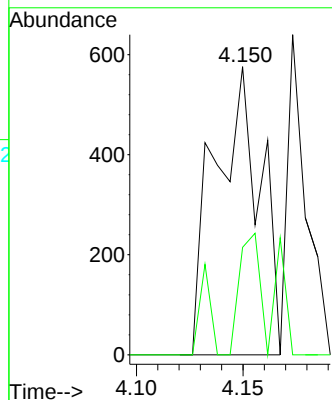
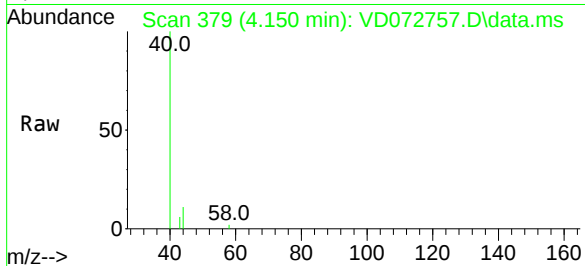
WC-4

Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

58 37.3 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD072757.D

Acq: 02 May 2022 20:29

Tgt Ion: 84 Resp: 1151

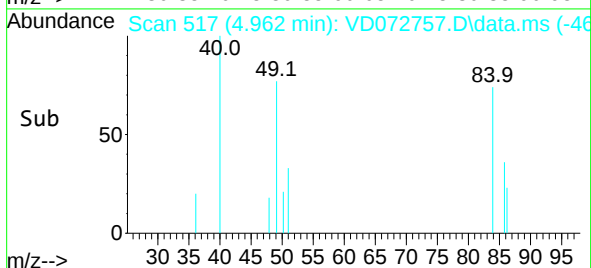
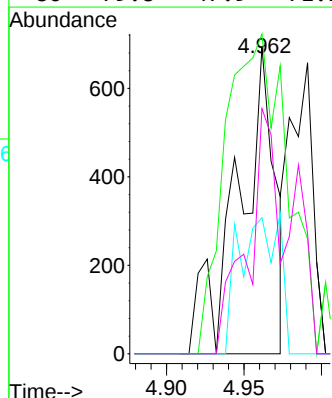
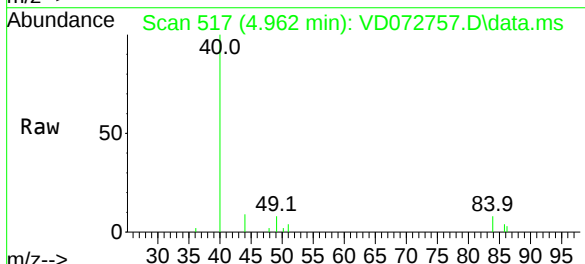
Ion Ratio Lower Upper

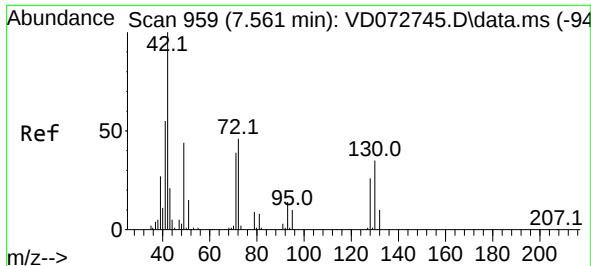
84 100

49 104.2 112.8 169.2#

51 44.4 32.6 48.8

86 79.8 47.9 71.9#





#29

Tetrahydrofuran

Concen: 1.183 ug/l

RT: 7.585 min Scan# 90

Delta R.T. 0.024 min

Lab File: VD072757.D

Acq: 02 May 2022 20:29

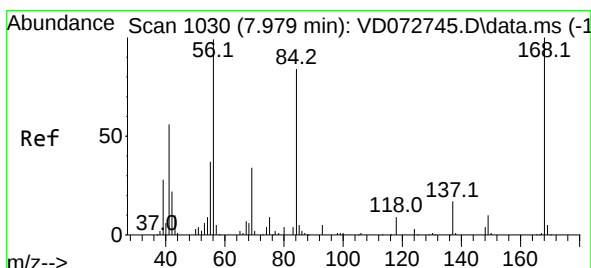
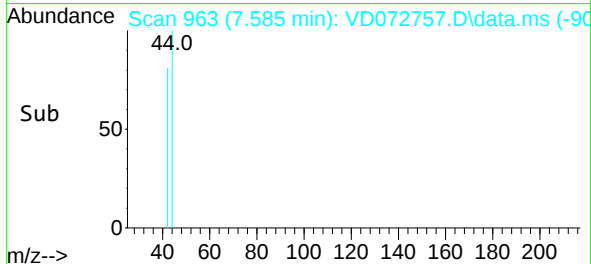
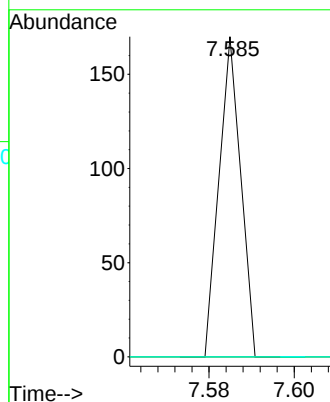
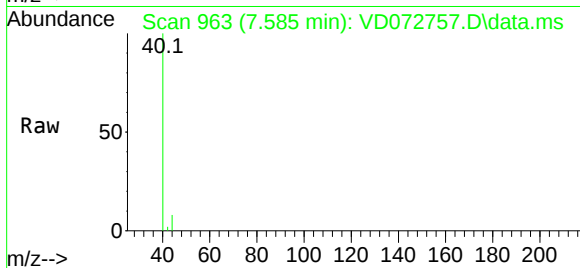
Instrument :

MSVOA_D

ClientSampleId :

WC-4

Tgt Ion: 42	Resp: 60
Ion Ratio	Lower Upper
42	100
72	0.0 30.7 46.1#
71	0.0 28.6 43.0#



#31

Cyclohexane

Concen: 1.504 ug/l

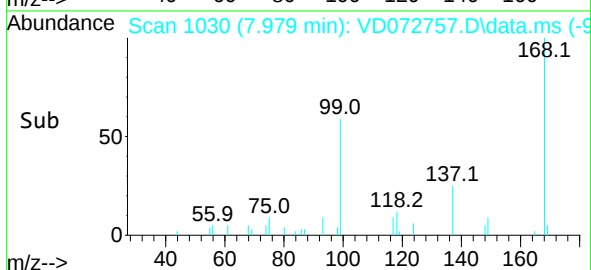
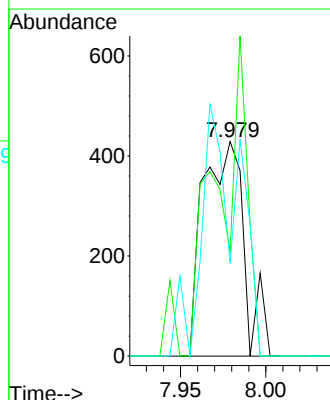
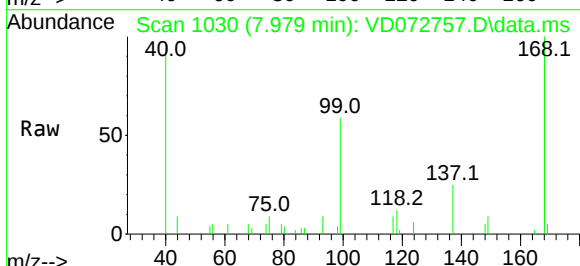
RT: 7.979 min Scan# 1030

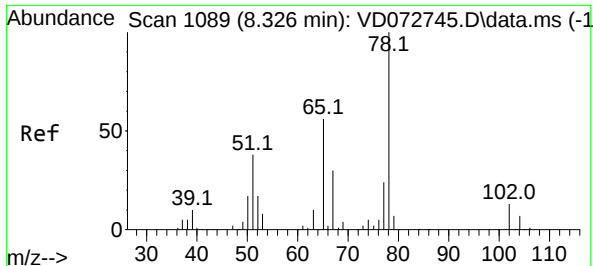
Delta R.T. 0.000 min

Lab File: VD072757.D

Acq: 02 May 2022 20:29

Tgt Ion: 56	Resp: 718
Ion Ratio	Lower Upper
56	100
69	48.7 25.4 38.2#
84	43.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 78.934 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072757.D

Acq: 02 May 2022 20:29

Instrument :

MSVOA_D

ClientSampleId :

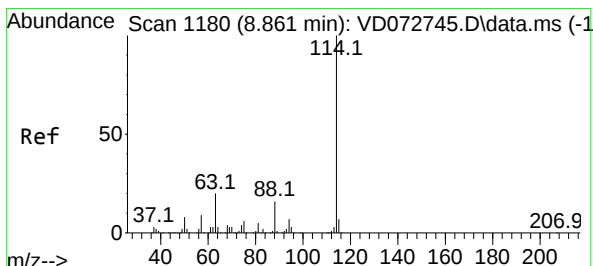
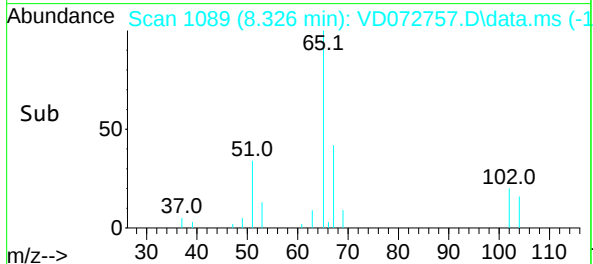
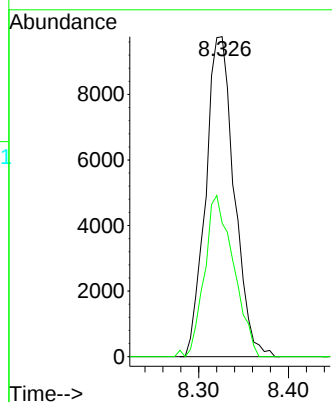
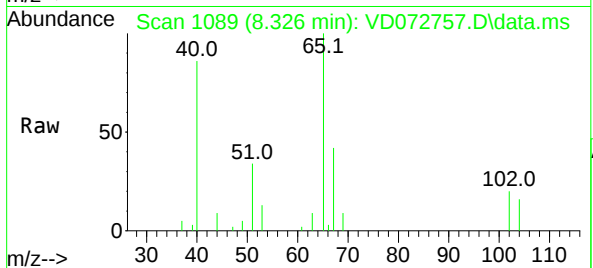
WC-4

Tgt Ion: 65 Resp: 21551

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072757.D

Acq: 02 May 2022 20:29

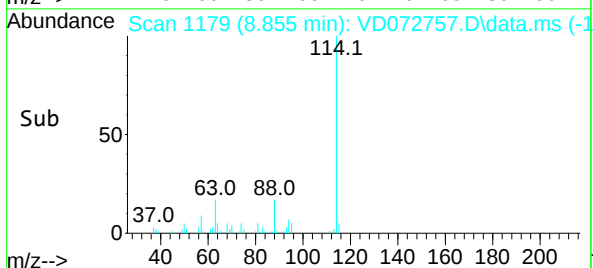
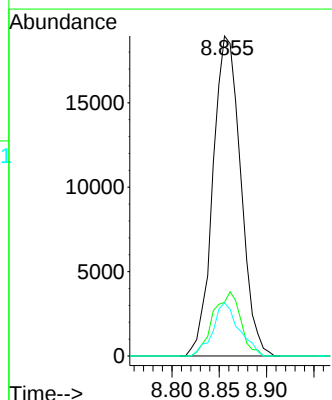
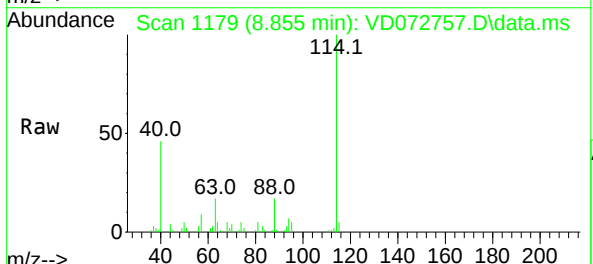
Tgt Ion: 114 Resp: 38695

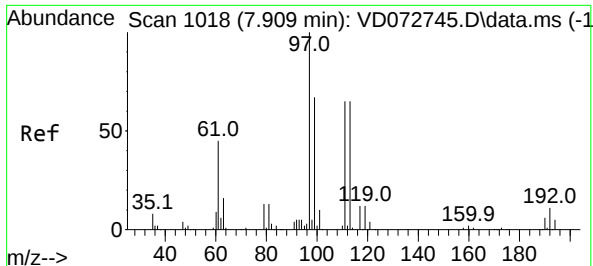
Ion Ratio Lower Upper

114 100

63 16.7 0.0 46.6

88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 64.509 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072757.D

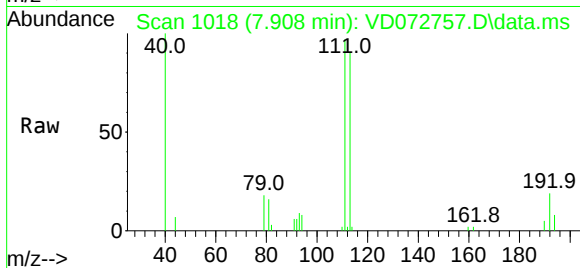
Acq: 02 May 2022 20:29

Instrument :

MSVOA_D

ClientSampleId :

WC-4



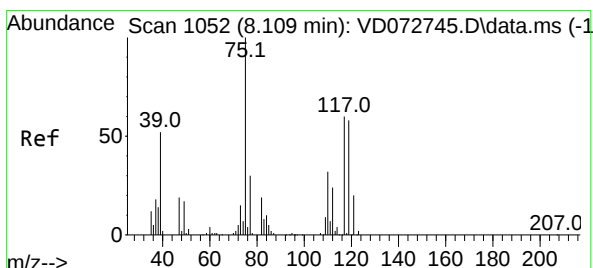
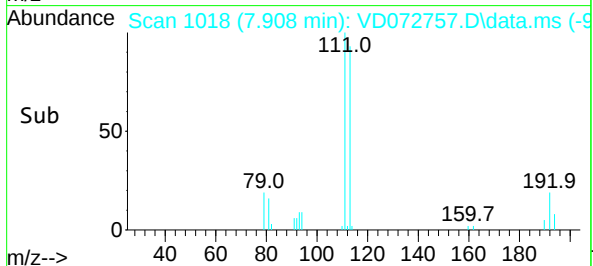
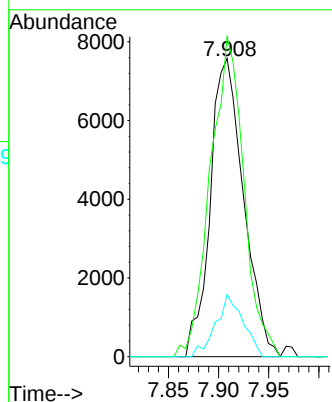
Tgt Ion:113 Resp: 17531

Ion Ratio Lower Upper

113 100

111 107.8 83.8 125.6

192 17.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.216 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072757.D

Acq: 02 May 2022 20:29

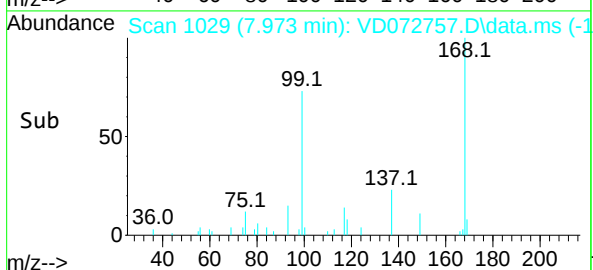
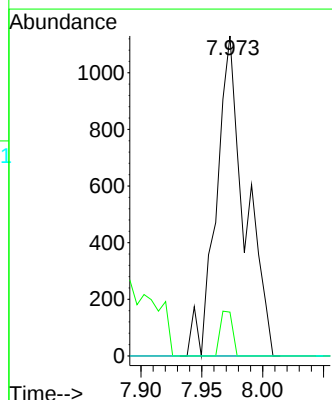
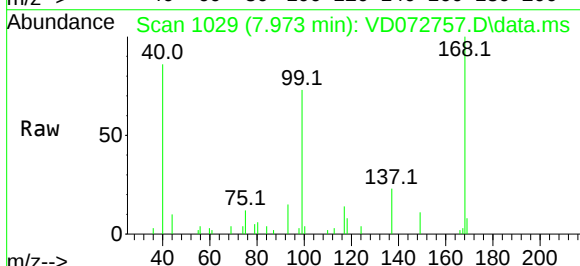
Tgt Ion: 75 Resp: 1863

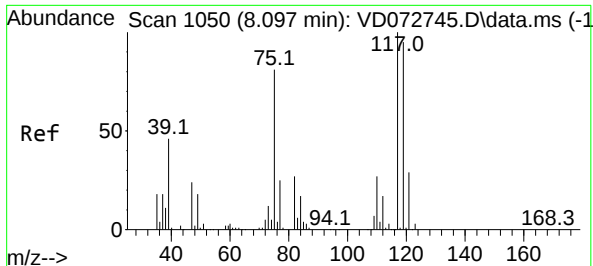
Ion Ratio Lower Upper

75 100

110 5.9 16.4 49.1#

77 0.0 24.2 36.2#

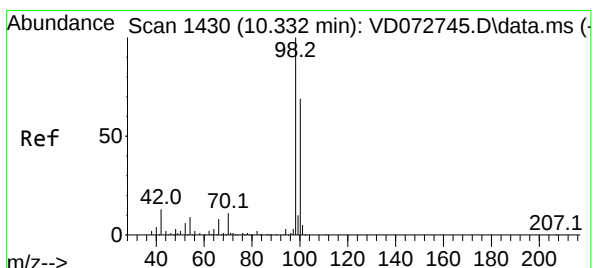
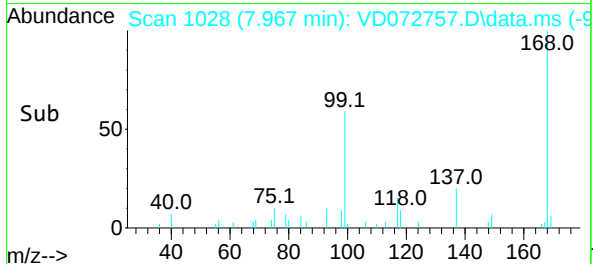
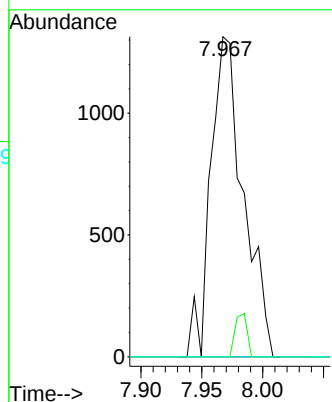
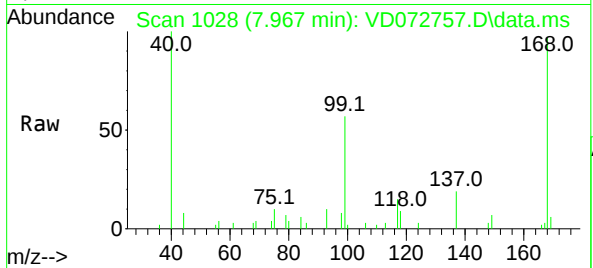




#38
Carbon Tetrachloride
Concen: 5.359 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD072757.D
Acq: 02 May 2022 20:29

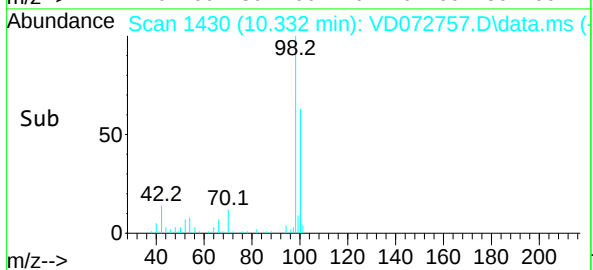
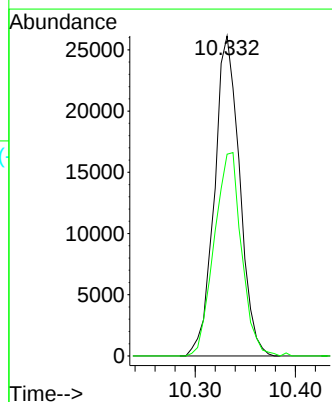
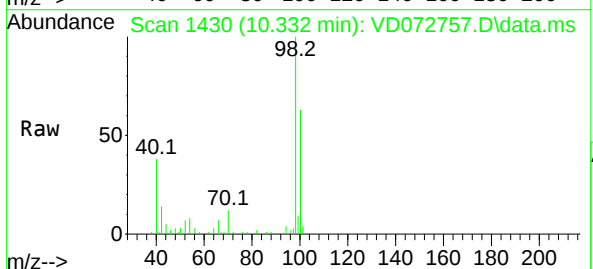
Instrument :
MSVOA_D
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WC-4

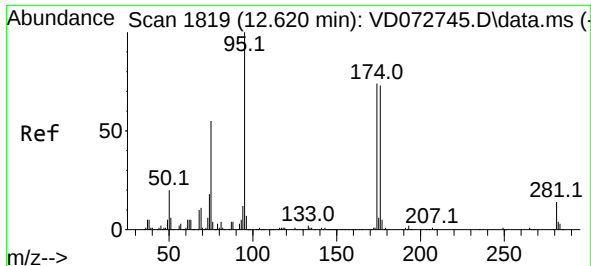
Tgt Ion:117 Resp: 2458
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 46.766 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072757.D
Acq: 02 May 2022 20:29

Tgt Ion: 98 Resp: 45589
Ion Ratio Lower Upper
98 100
100 69.1 52.4 78.6

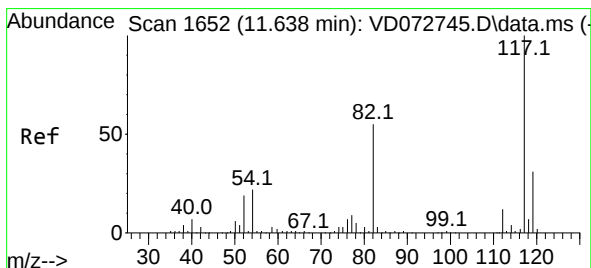
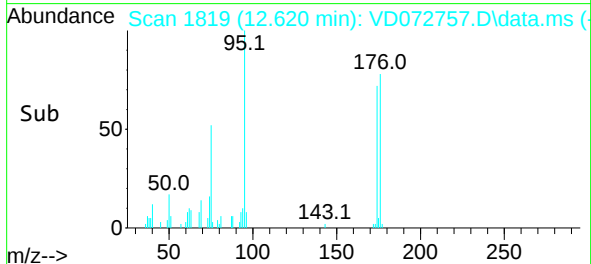
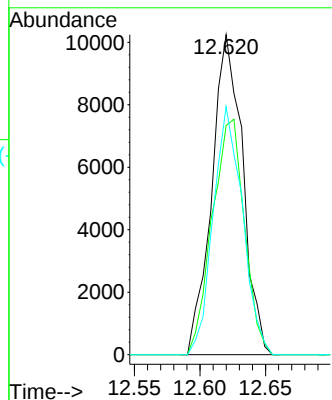
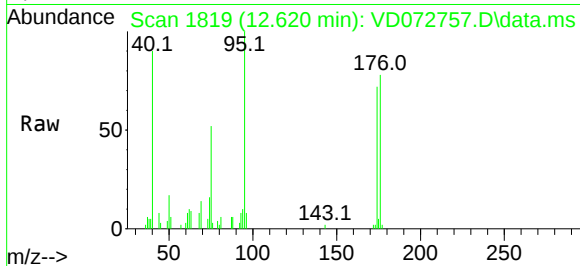




#62
4-Bromofluorobenzene
Concen: 46.051 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072757.D
Acq: 02 May 2022 20:29

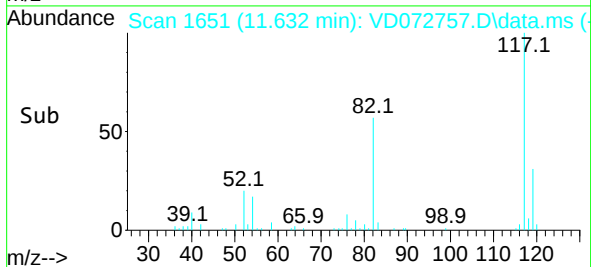
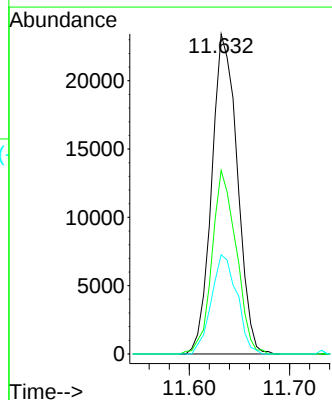
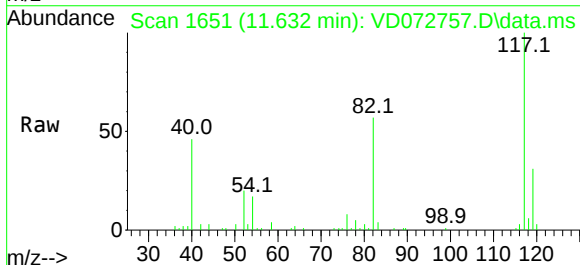
Instrument :
MSVOA_D
ClientSampleId :
WC-4

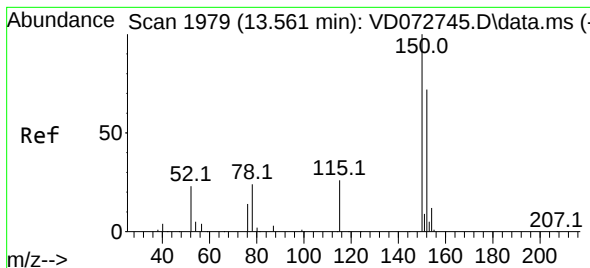
Tgt Ion:	95	Resp:	16739
Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	152.8
176	73.8	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072757.D
Acq: 02 May 2022 20:29

Tgt Ion:	117	Resp:	41424
Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.3	67.9
119	31.0	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: VD072757.D

Acq: 02 May 2022 20:29

Instrument :

MSVOA_D

ClientSampleId :

WC-4

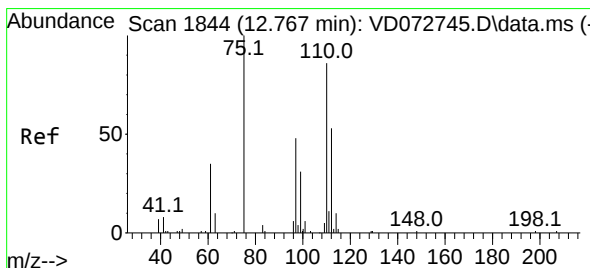
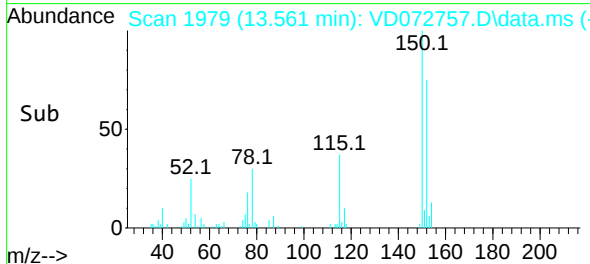
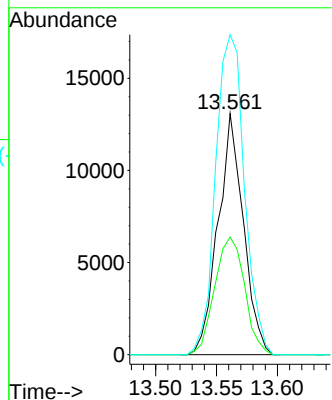
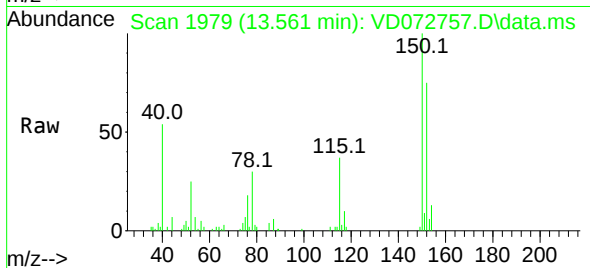
Tgt Ion:152 Resp: 19028

Ion Ratio Lower Upper

152 100

115 57.4 31.3 93.8

150 150.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 39.863 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD072757.D

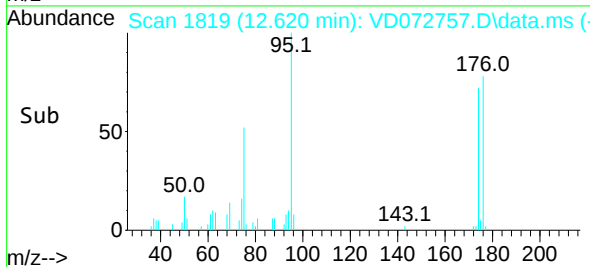
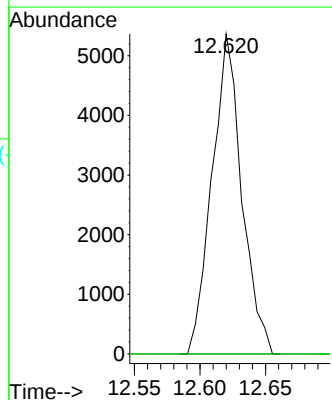
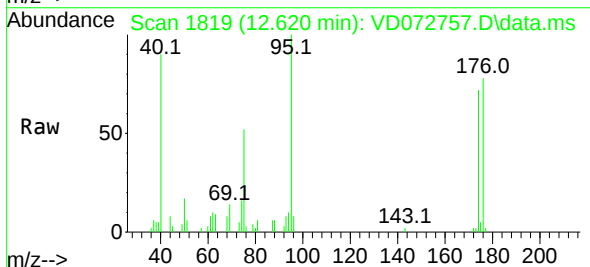
Acq: 02 May 2022 20:29

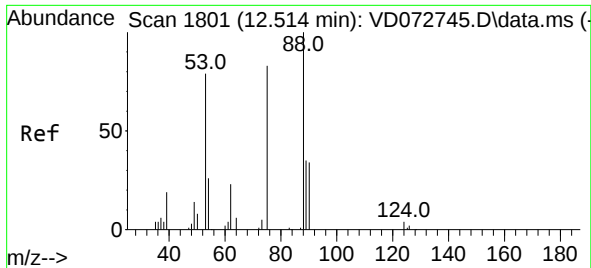
Tgt Ion: 75 Resp: 8458

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

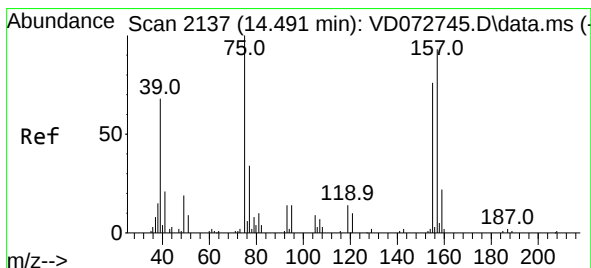
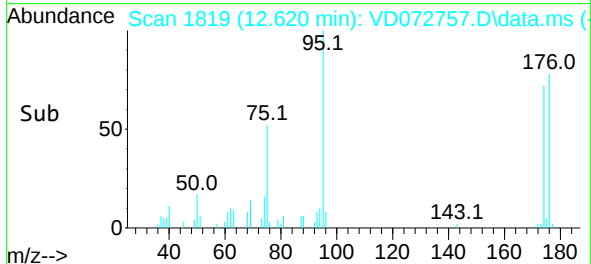
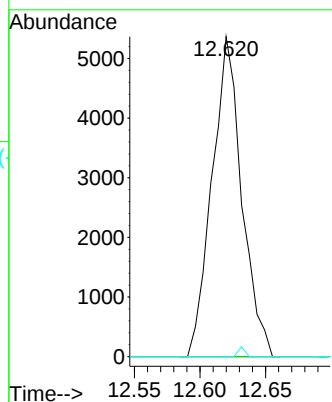
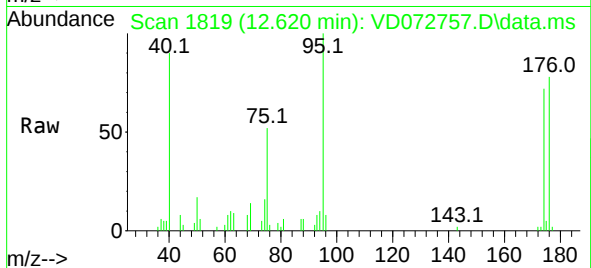




#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.670 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD072757.D
 Acq: 02 May 2022 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-4

Tgt Ion: 75 Resp: 8458
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.7 33.9 50.9#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.161 ug/l
 RT: 14.432 min Scan# 2127
 Delta R.T. -0.059 min
 Lab File: VD072757.D
 Acq: 02 May 2022 20:29

Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.8 110.3#
 157 0.0 48.4 145.0#

