

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072820.D
 Acq On : 05 May 2022 20:03
 Operator : VA/SY
 Sample : N2649-01
 Misc : 6.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: May 06 03:52:16 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)

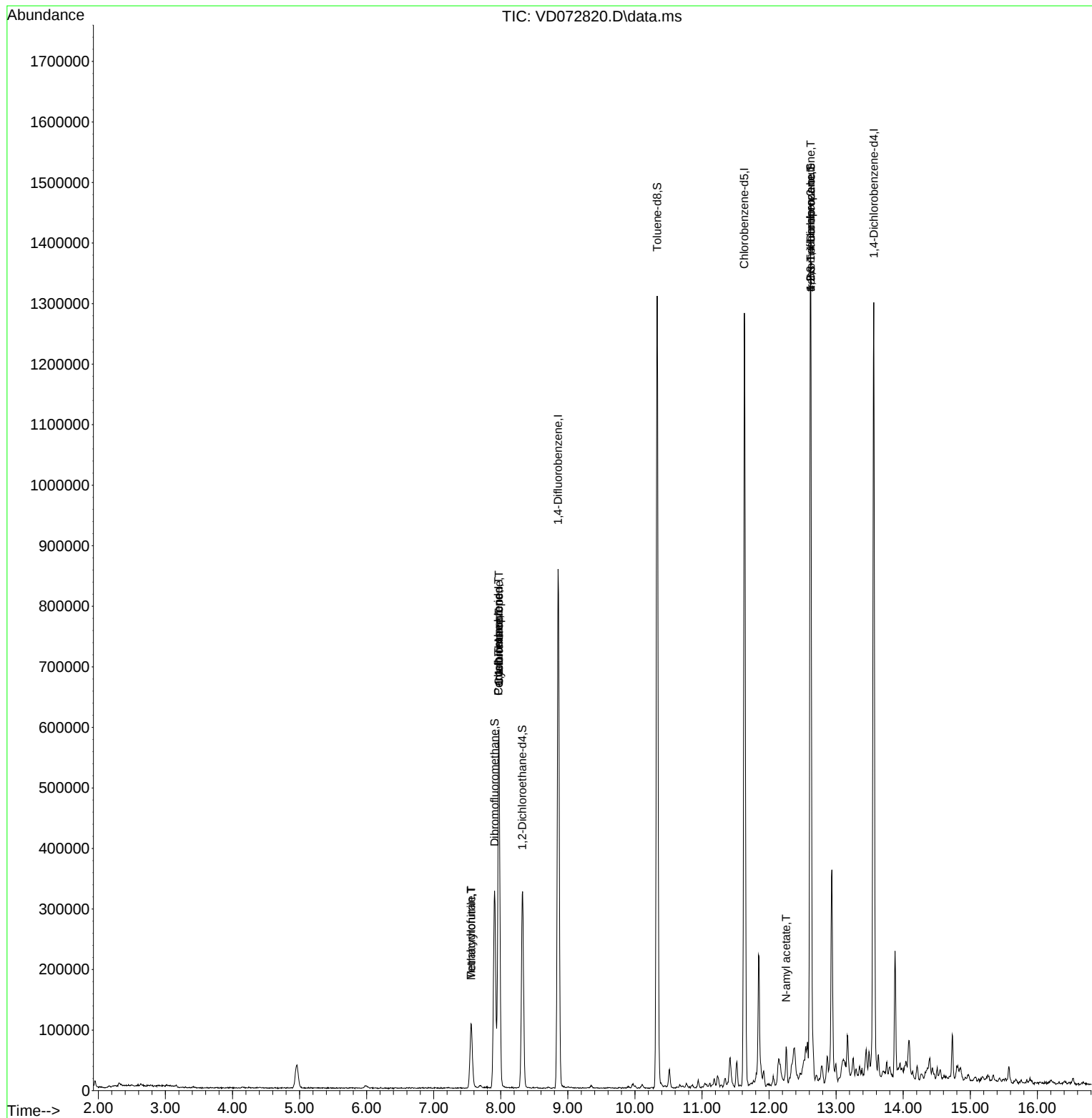
Internal Standards						
1) Pentafluorobenzene	7.967	168	395833	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.855	114	698014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	687088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	311962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	267752	52.110	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	104.220%	
35) Dibromofluoromethane	7.908	113	235614	48.063	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	96.120%	
50) Toluene-d8	10.332	98	857760	48.779	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	=	97.560%	
62) 4-Bromofluorobenzene	12.620	95	348244	53.111	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	=	106.220%	
Target Compounds						Qvalue
5) Bromomethane	2.756	94	390	Below Cal	#	17
16) Acetone	4.132	43	595	Below Cal		98
18) Methyl Acetate	4.750	43	144	Below Cal	#	55
20) Methylene Chloride	4.962	84	28767	Below Cal		82
29) Tetrahydrofuran	7.556	42	79691	83.510	ug/l	96
31) Cyclohexane	7.973	56	11298	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	38098	4.779	ug/l #	51
38) Carbon Tetrachloride	7.967	117	46161	5.579	ug/l #	17
41) Methacrylonitrile	7.561	41	50046	22.937	ug/l #	55
74) N-amyl acetate	12.255	43	13420	2.220	ug/l #	83
76) 1,2,3-Trichloropropane	12.620	75	194343	55.868	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	194343	128.475	ug/l #	7

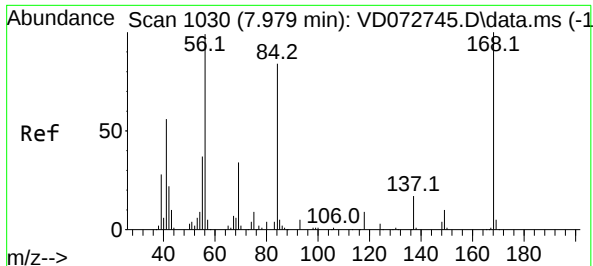
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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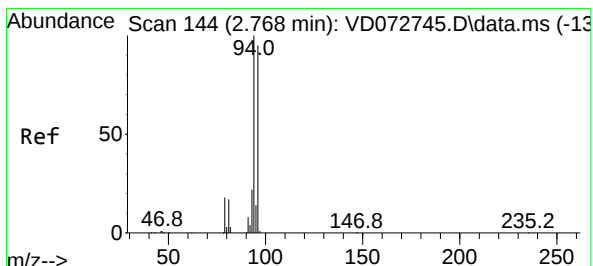
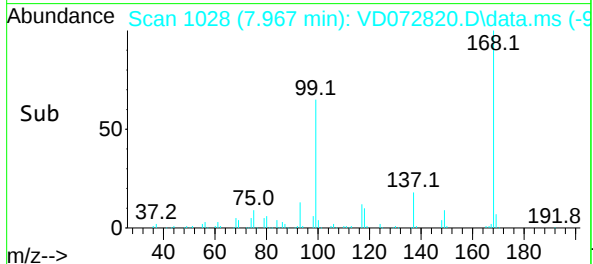
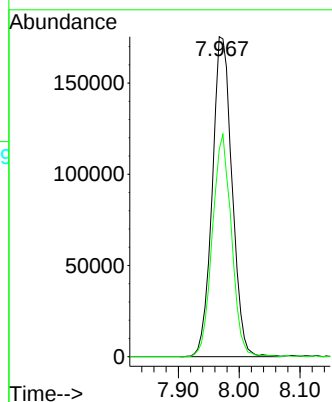
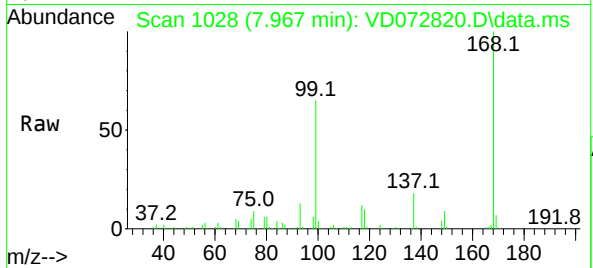




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

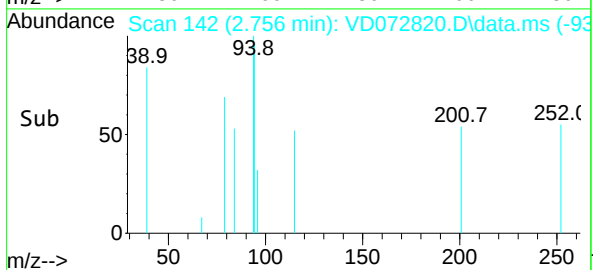
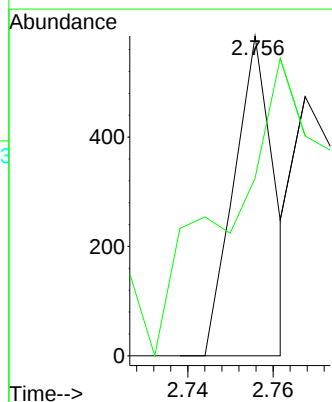
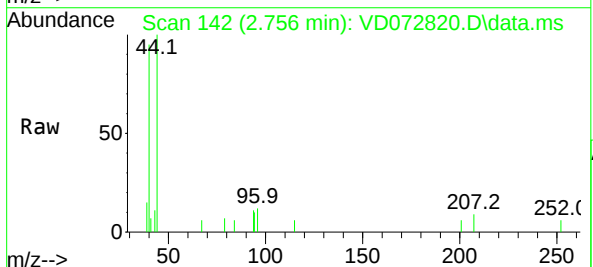
Instrument :
MSVOA_D
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WC-1

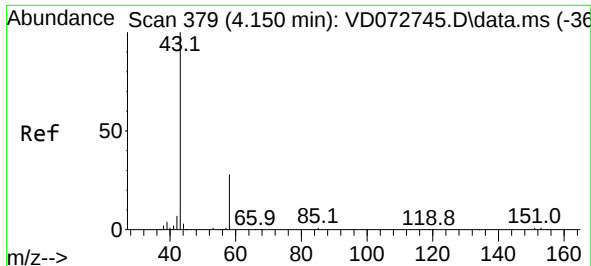
Tgt Ion:168 Resp: 395833
Ion Ratio Lower Upper
168 100
99 64.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.012 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 15.7 77.6 116.4#

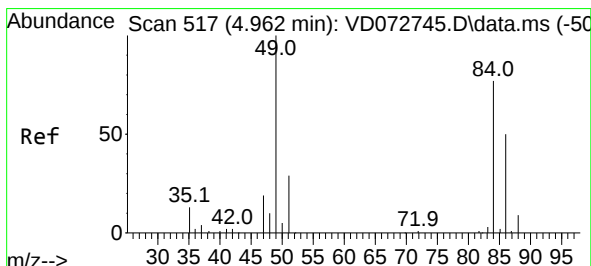
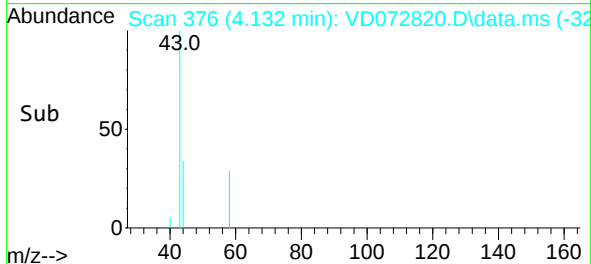
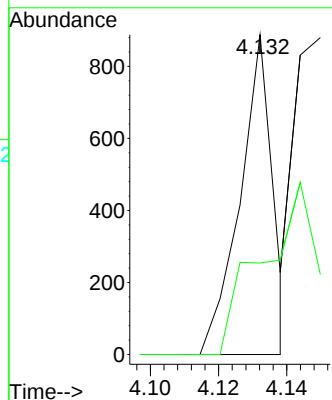
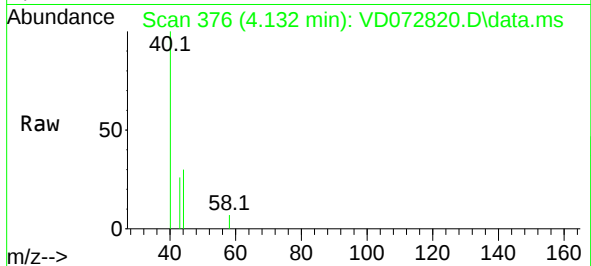




#16
Acetone
Concen: Below Cal
RT: 4.132 min Scan# 31
Delta R.T. -0.018 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

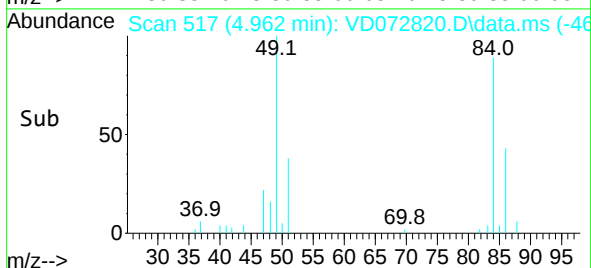
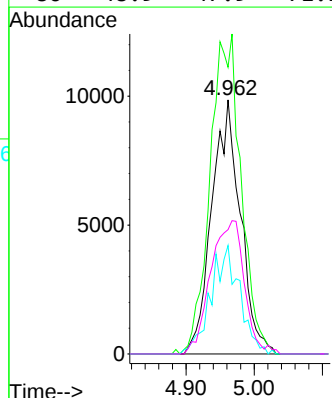
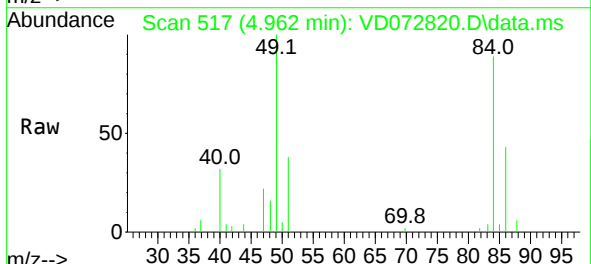
Instrument :
MSVOA_D
ClientSampleId :
WC-1

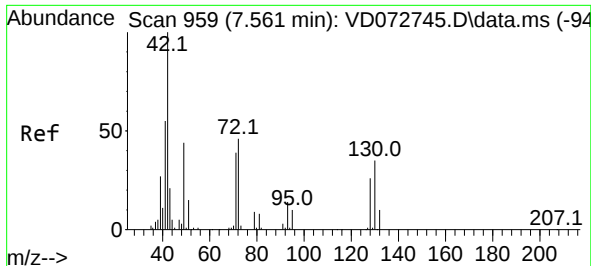
Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
58 28.6 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

Tgt Ion: 84 Resp: 28767
Ion Ratio Lower Upper
84 100
49 112.9 112.8 169.2
51 42.7 32.6 48.8
86 48.9 47.9 71.9





#29

Tetrahydrofuran

Concen: 83.510 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD072820.D

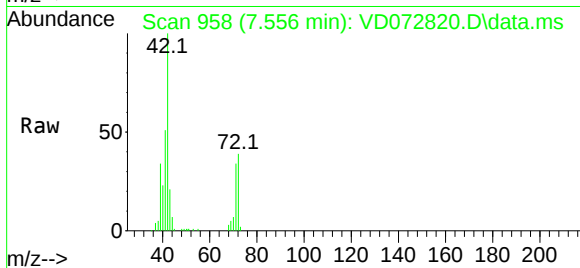
Acq: 05 May 2022 20:03

Instrument :

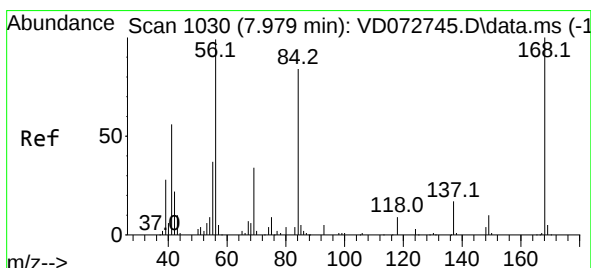
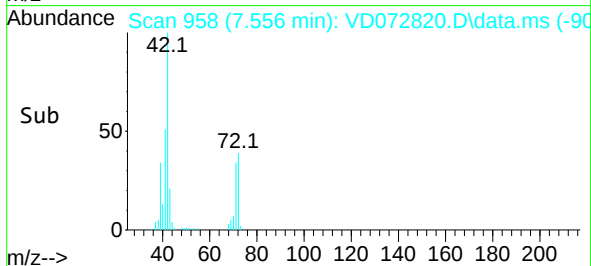
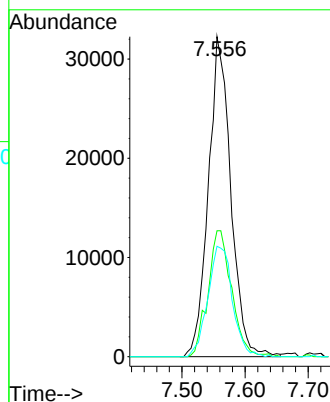
MSVOA_D

ClientSampleId :

WC-1



Tgt Ion: 42	Resp: 79691
Ion Ratio	Lower Upper
42	100
72	41.6 30.7 46.1
71	37.7 28.6 43.0



#31

Cyclohexane

Concen: 1.258 ug/l

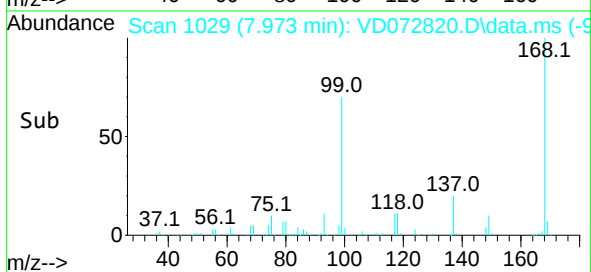
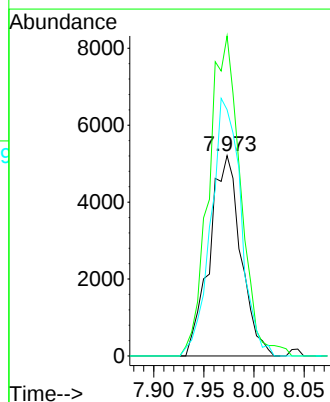
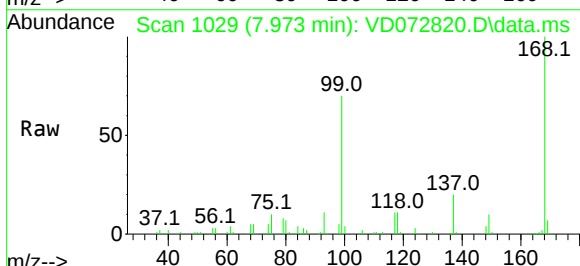
RT: 7.973 min Scan# 1029

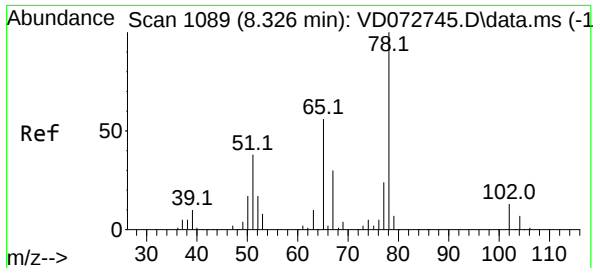
Delta R.T. -0.006 min

Lab File: VD072820.D

Acq: 05 May 2022 20:03

Tgt Ion: 56	Resp: 11298
Ion Ratio	Lower Upper
56	100
69	159.7 25.4 38.2#
84	122.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.110 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD072820.D

Acq: 05 May 2022 20:03

Instrument :

MSVOA_D

ClientSampleId :

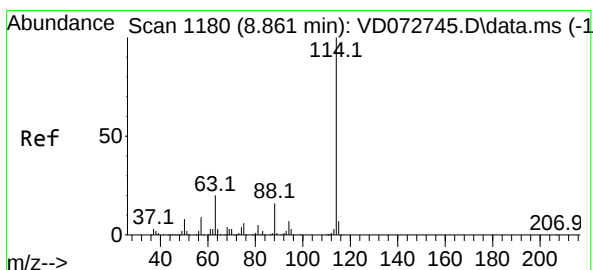
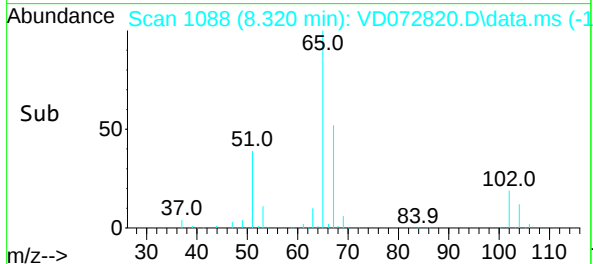
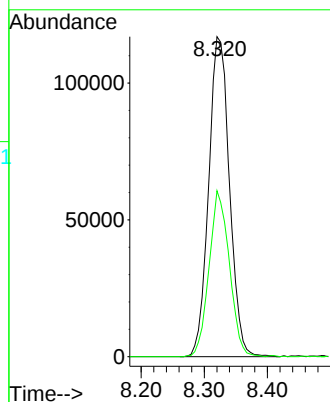
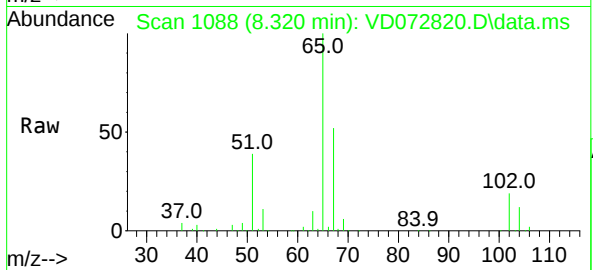
WC-1

Tgt Ion: 65 Resp: 267752

Ion Ratio Lower Upper

65 100

67 50.6 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: VD072820.D

Acq: 05 May 2022 20:03

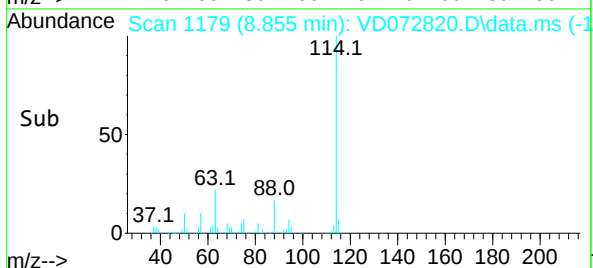
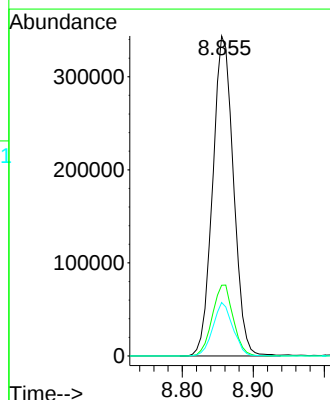
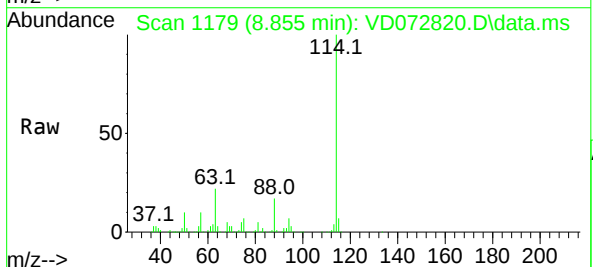
Tgt Ion: 114 Resp: 698014

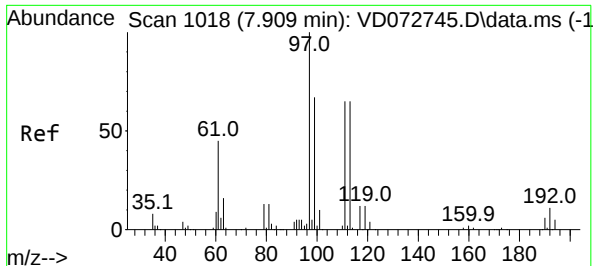
Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.6

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.063 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072820.D

Acq: 05 May 2022 20:03

Instrument :

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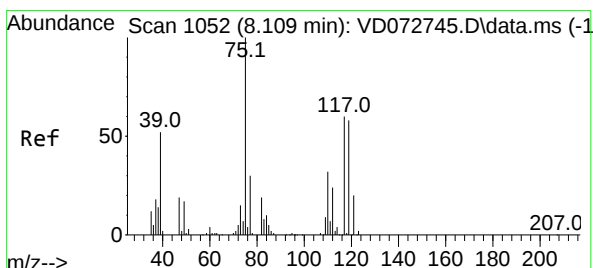
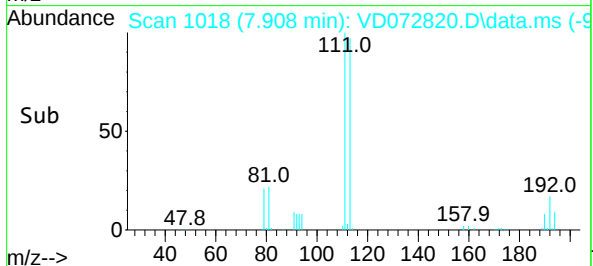
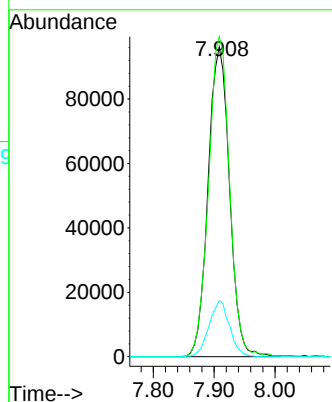
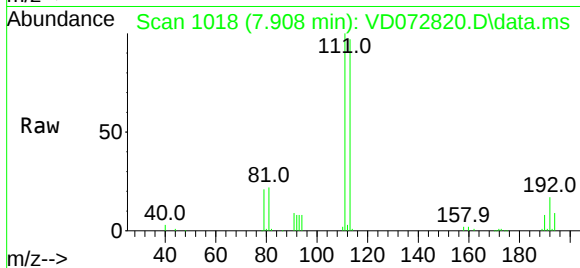
Tgt Ion:113 Resp: 235614

Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 17.3 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072820.D

Acq: 05 May 2022 20:03

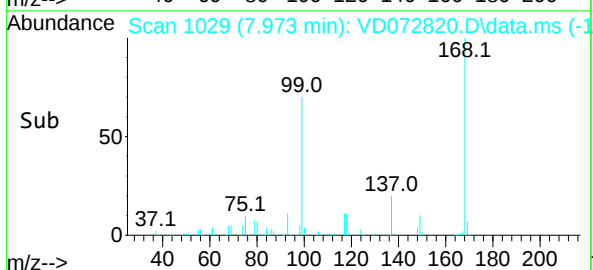
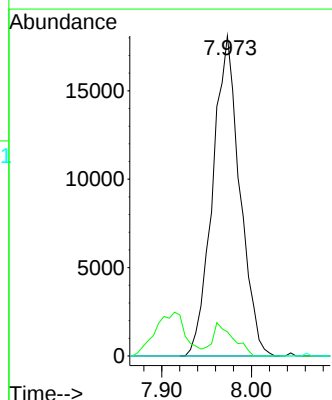
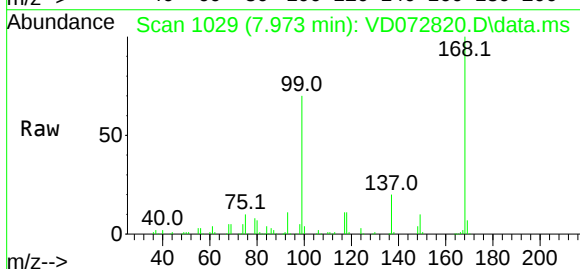
Tgt Ion: 75 Resp: 38098

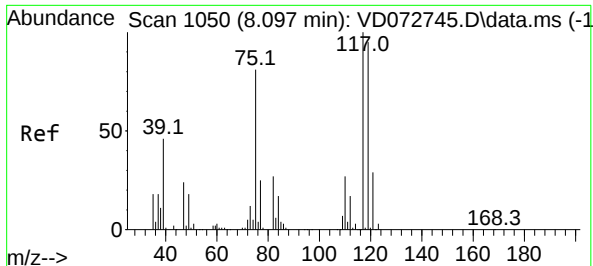
Ion Ratio Lower Upper

75 100

110 8.0 16.4 49.1#

77 0.0 24.2 36.2#

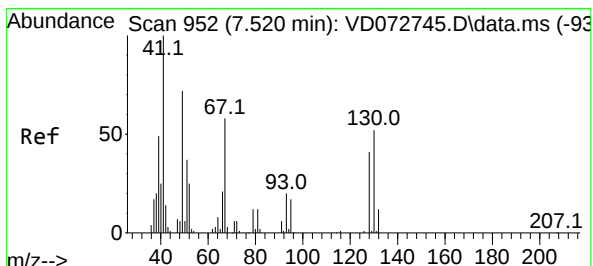
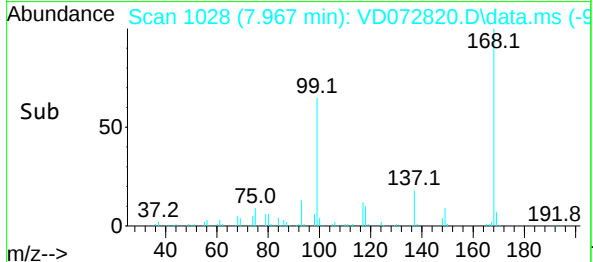
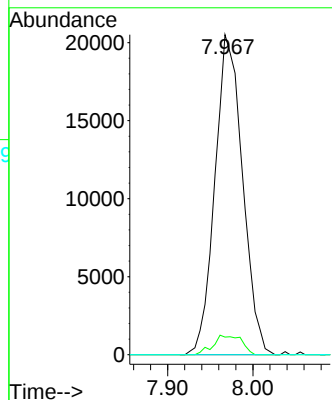
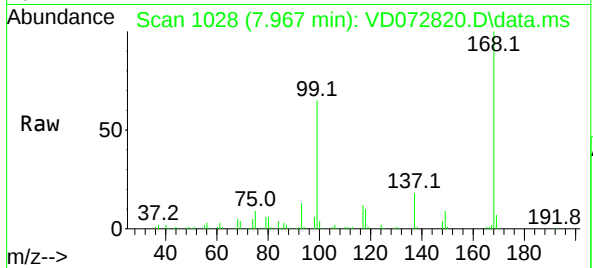




#38
Carbon Tetrachloride
Concen: 5.579 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

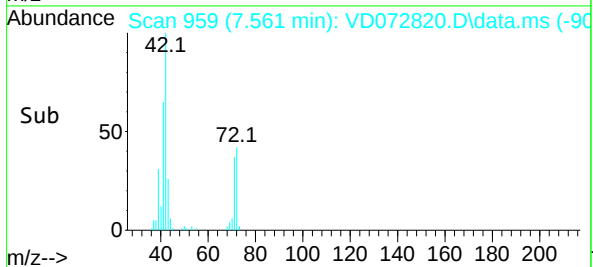
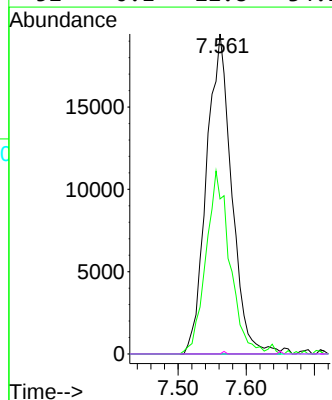
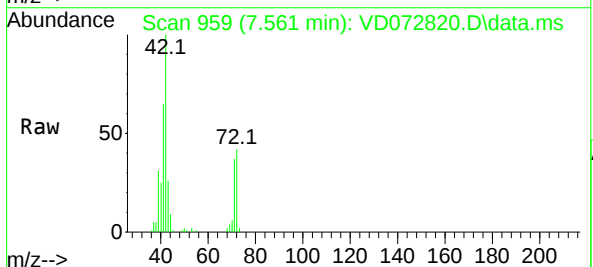
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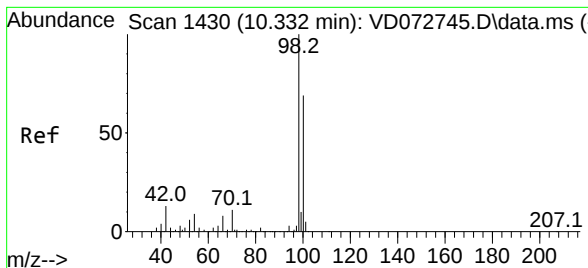
Tgt Ion:117 Resp: 46161
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 22.937 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.041 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

Tgt Ion: 41 Resp: 50046
Ion Ratio Lower Upper
41 100
39 54.2 44.6 67.0
67 0.0 48.2 72.4#
52 0.1 22.8 34.2#

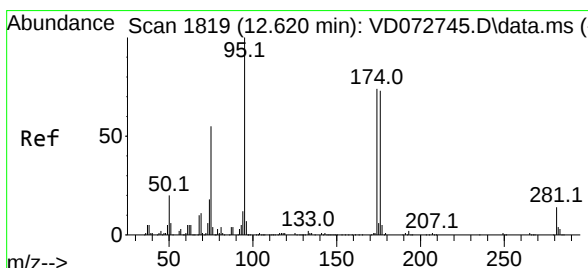
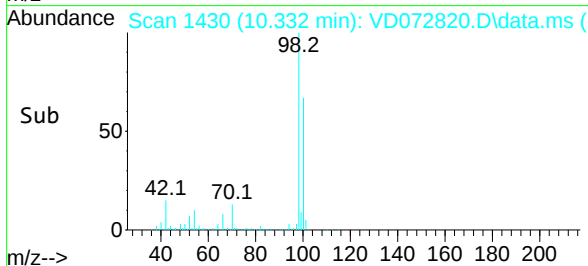
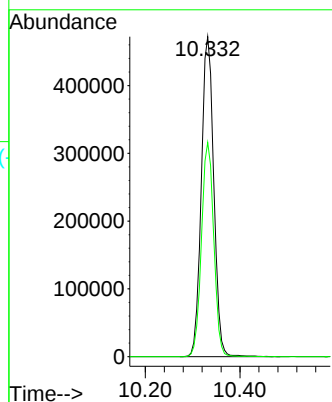
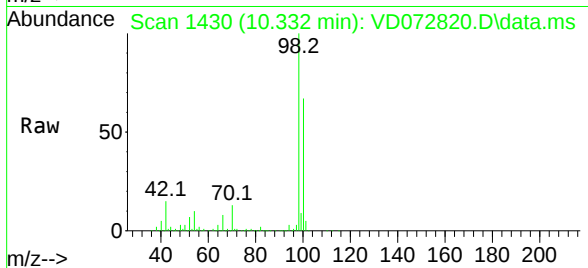




#50
Toluene-d8
Concen: 48.779 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

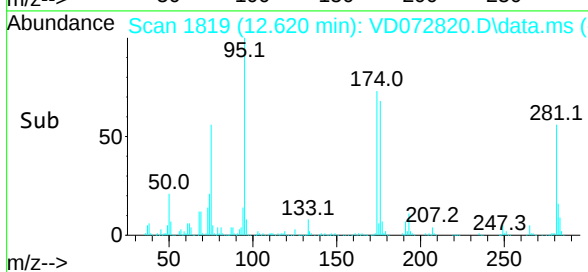
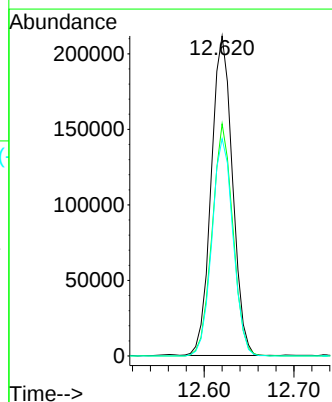
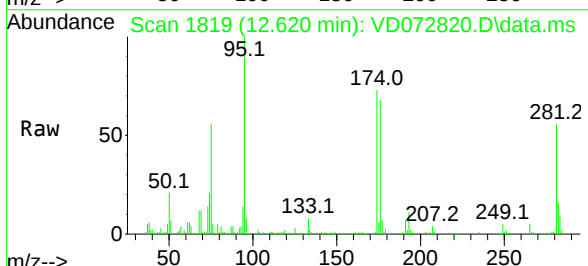
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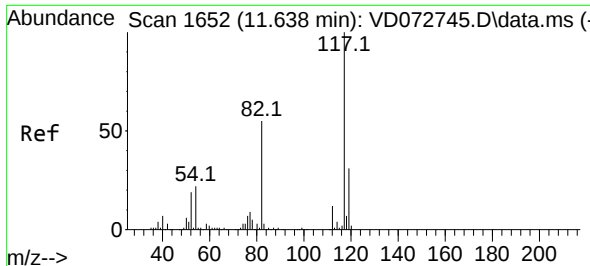
Tgt Ion: 98 Resp: 857760
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 53.111 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

Tgt Ion: 95 Resp: 348244
Ion Ratio Lower Upper
95 100
174 70.5 0.0 152.8
176 67.5 0.0 145.4

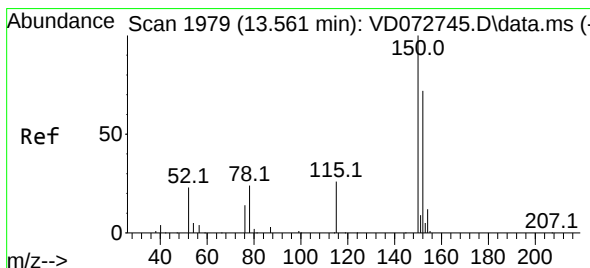
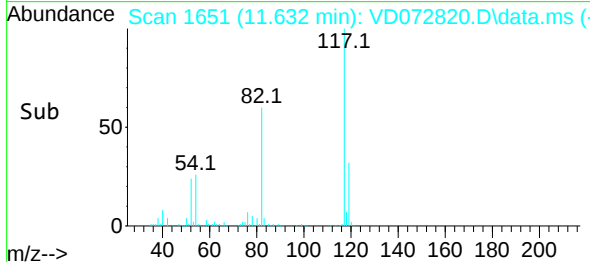
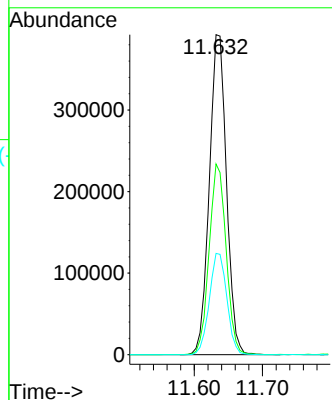
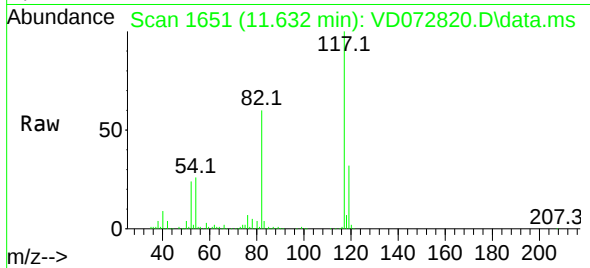




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

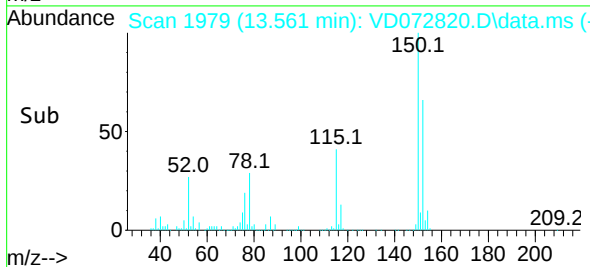
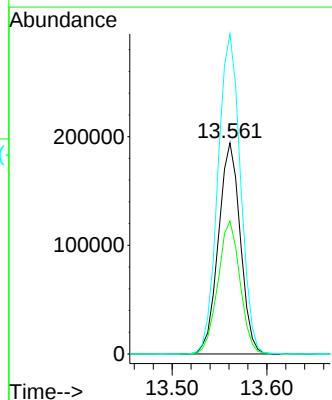
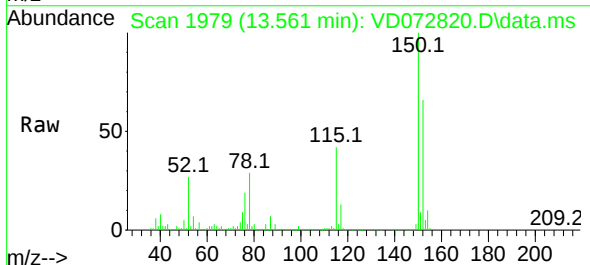
Instrument :
MSVOA_D
ClientSampleId :
WC-1

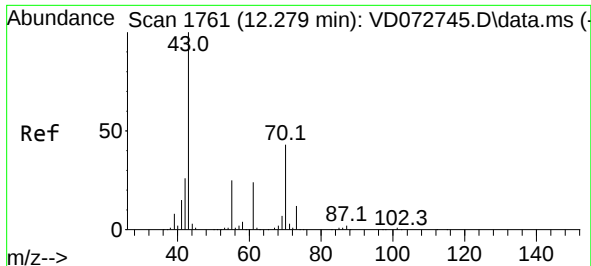
Tgt Ion:117 Resp: 687088
Ion Ratio Lower Upper
117 100
82 59.5 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

Tgt Ion:152 Resp: 311962
Ion Ratio Lower Upper
152 100
115 63.7 31.3 93.8
150 156.1 0.0 348.6

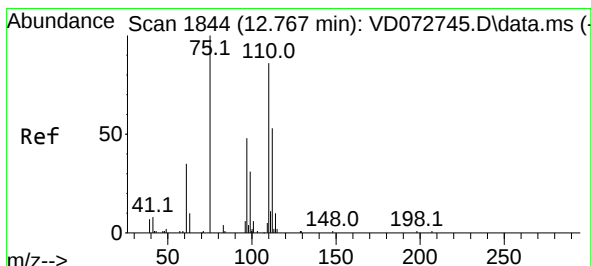
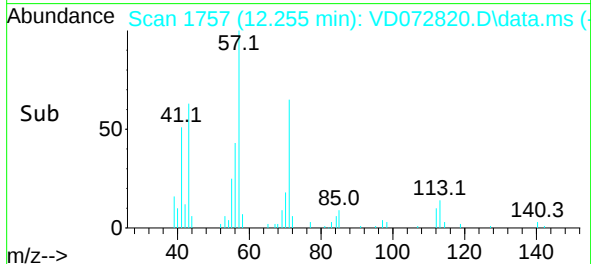
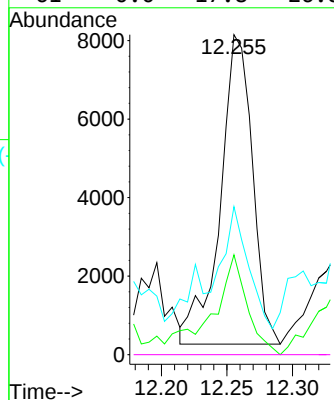
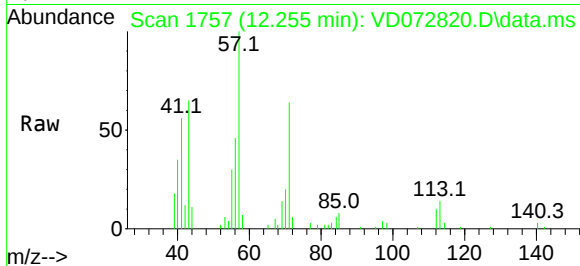




#74
N-amy1 acetate
Concen: 2.220 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

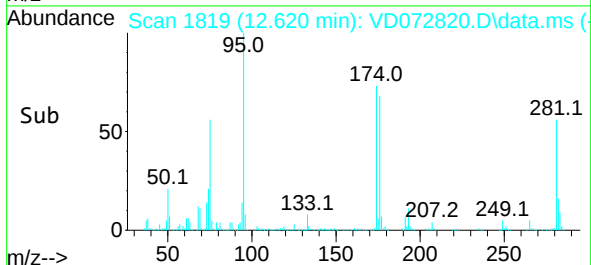
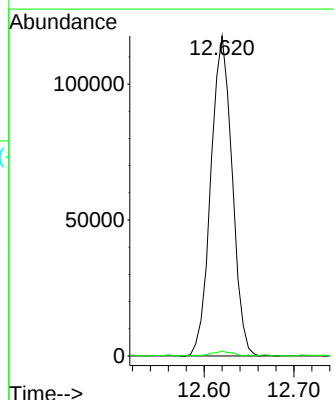
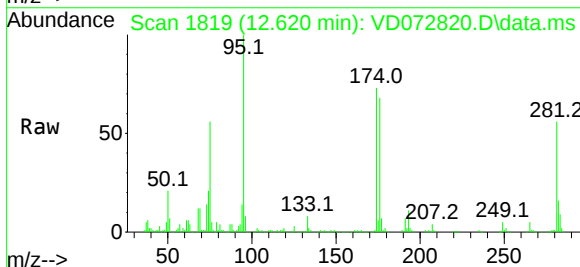
Instrument :
MSVOA_D
ClientSampleId :
WC-1

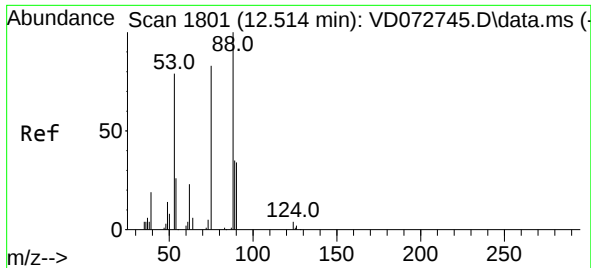
Tgt Ion: 43	Resp: 13420
Ion Ratio	Lower Upper
43 100	
70 37.3	31.3 46.9
55 30.7	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 55.868 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072820.D
Acq: 05 May 2022 20:03

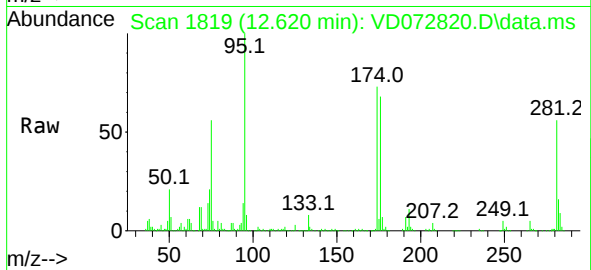
Tgt Ion: 75	Resp: 194343
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.475 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072820.D
 Acq: 05 May 2022 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1



Tgt Ion: 75 Resp: 194343
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 1.1 33.9 50.9#

