

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073221.D
 Acq On : 21 May 2022 10:39
 Operator : VA/SY
 Sample : N2885-17
 Misc : 5.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P023-SS003-0006-01

Quant Time: May 22 00:01:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

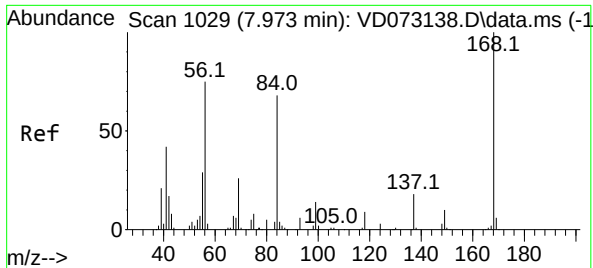
Internal Standards						
1) Pentafluorobenzene	7.973	168	294562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	523150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	534599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	231236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	169200	51.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.960%	
35) Dibromofluoromethane	7.909	113	179619	52.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.060%	
50) Toluene-d8	10.332	98	651098	51.166	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.340%	
62) 4-Bromofluorobenzene	12.620	95	228315	51.125	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.240%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	3692	1.254	ug/l	77
5) Bromomethane	2.774	94	727	Below Cal	#	74
11) Tert butyl alcohol	5.179	59	10010	19.819	ug/l #	74
16) Acetone	4.168	43	2764	4.902	ug/l #	86
20) Methylene Chloride	4.956	84	12248	Below Cal	#	80
25) 2-Butanone	7.185	43	1455	1.764	ug/l #	52
31) Cyclohexane	7.979	56	7639	1.343	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25840	4.977	ug/l #	52
38) Carbon Tetrachloride	7.979	117	32435	6.163	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	115036	50.703	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	115036	121.722	ug/l #	7

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

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P023-SS003-0006-01

The chromatogram displays the Total Ion Chromatogram (TIC) for the file VD073221.D\data.ms. The y-axis represents Abundance, ranging from 0 to 1,200,000. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The baseline is relatively flat, with several distinct peaks labeled with their corresponding chemical compounds. The peaks are as follows:

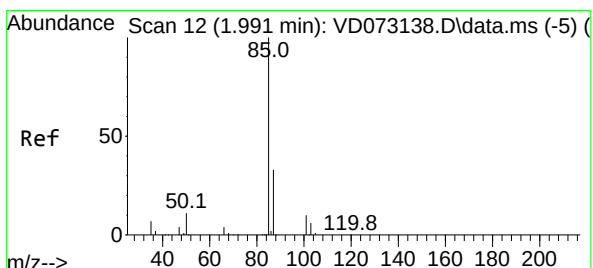
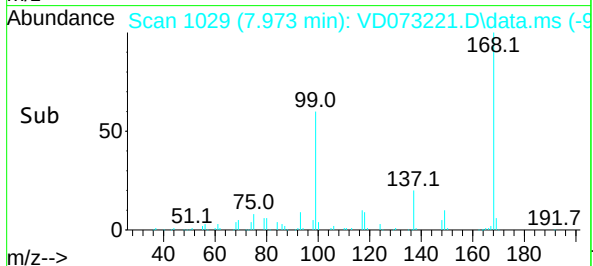
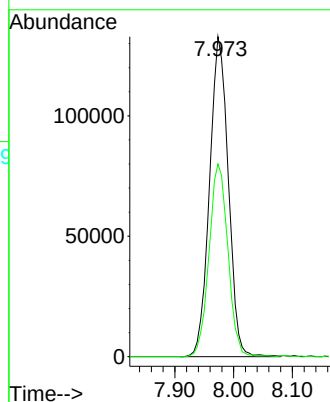
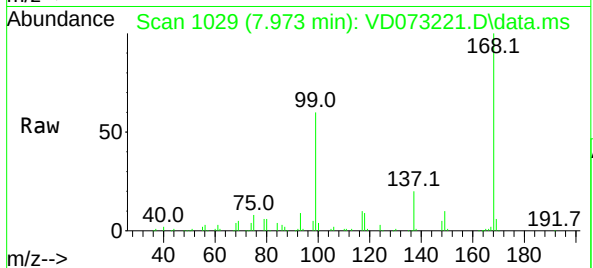
Compound	Approximate Retention Time (min)	Approximate Abundance
Acetone, T	4.2	30,000
Tert butyl alcohol, T	5.1	15,000
2-Butanone, T	7.2	25,000
Dichlorodifluoromethane, T	7.8	250,000
1,2-Dichloroethane-d4, S	8.2	220,000
1,4-Difluorobenzene, I	8.8	600,000
Toluene-d9, S	10.2	950,000
Chlorobenzene-d5, I	11.6	940,000
1,4-Dichlorobenzene-d4, I	13.5	920,000



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

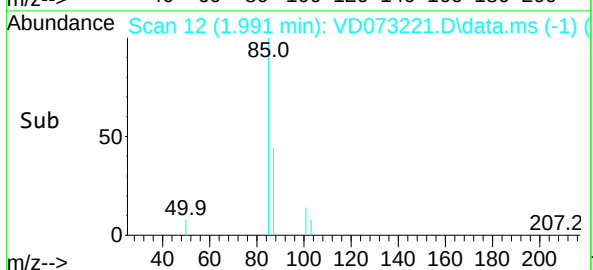
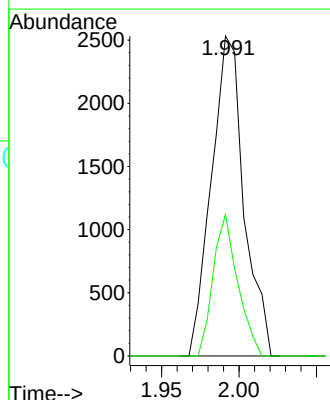
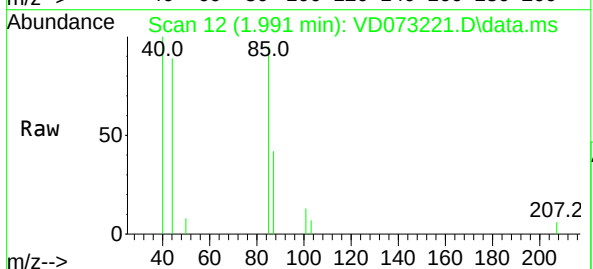
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

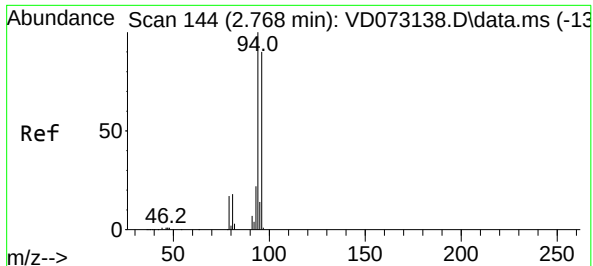
Tgt Ion:168 Resp: 294562
Ion Ratio Lower Upper
168 100
99 60.2 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.254 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

Tgt Ion: 85 Resp: 3692
Ion Ratio Lower Upper
85 100
87 44.2 15.7 47.0

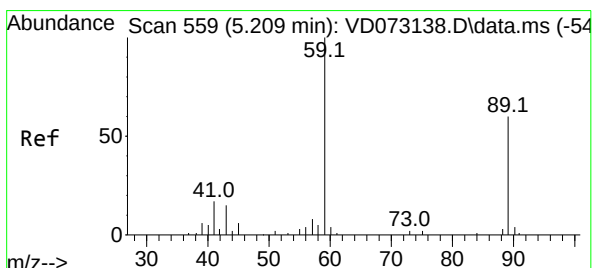
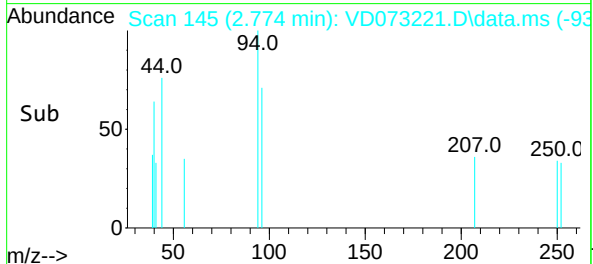
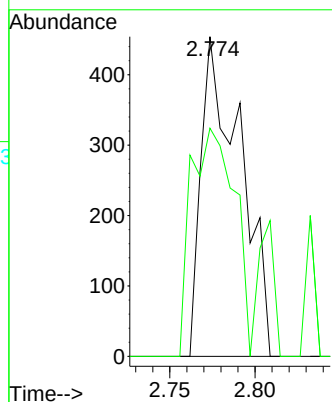
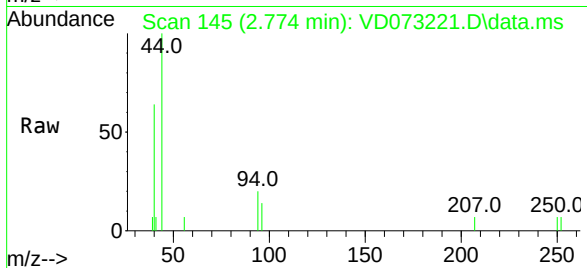




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

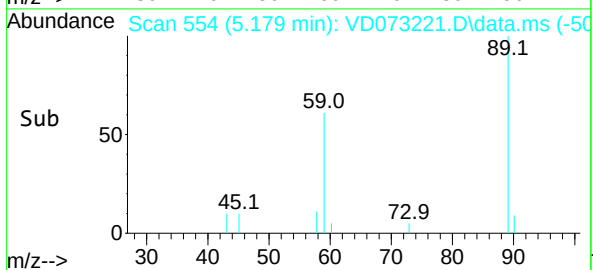
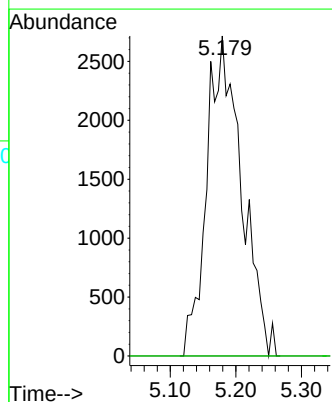
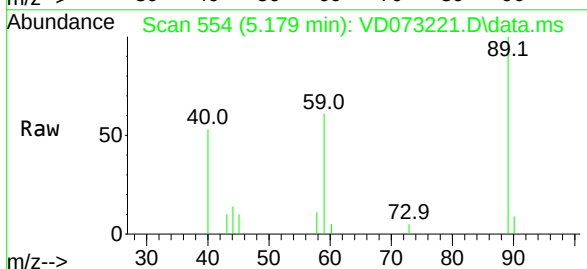
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

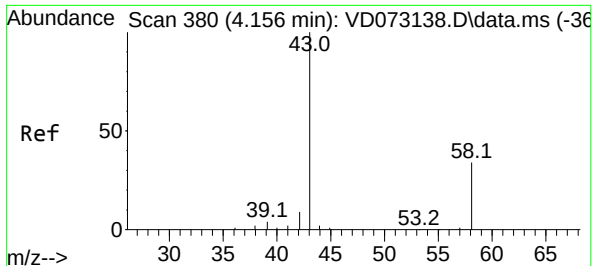
Tgt Ion: 94 Resp: 727
Ion Ratio Lower Upper
94 100
96 71.4 77.6 116.4#



#11
Tert butyl alcohol
Concen: 19.819 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

Tgt Ion: 59 Resp: 10010
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

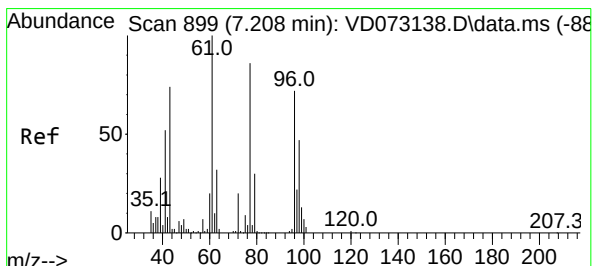
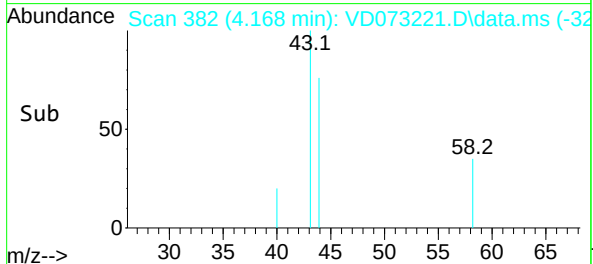
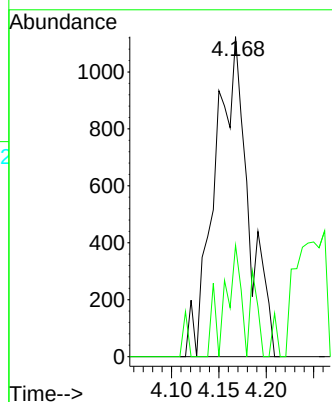
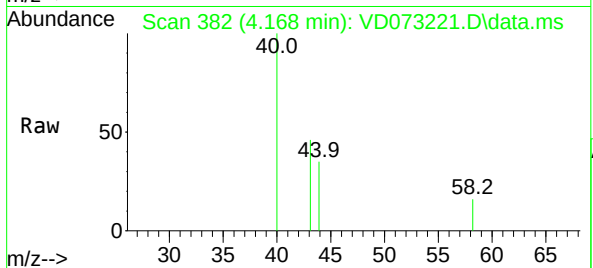




#16
Acetone
Concen: 4.902 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

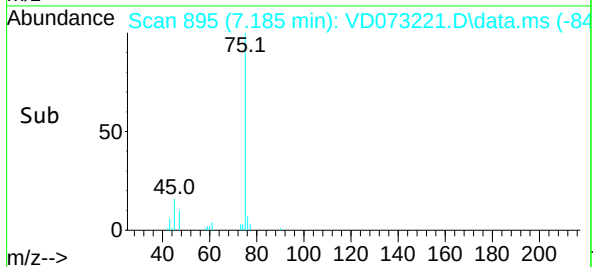
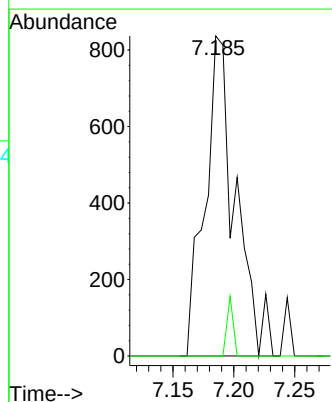
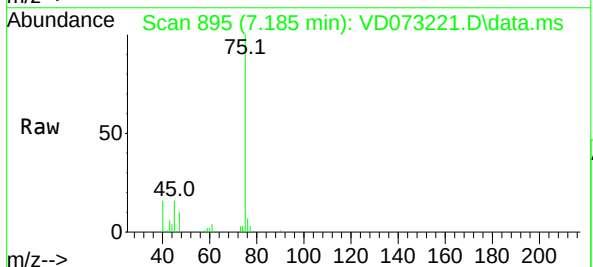
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

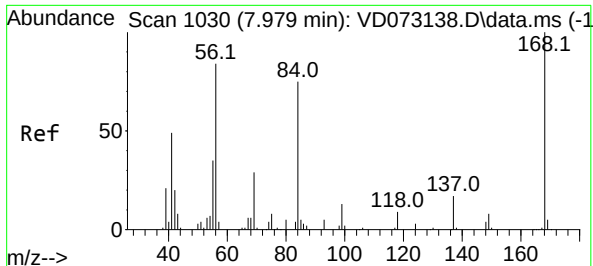
Tgt Ion: 43 Resp: 2764
Ion Ratio Lower Upper
43 100
58 34.8 22.1 33.1#



#25
2-Butanone
Concen: 1.764 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

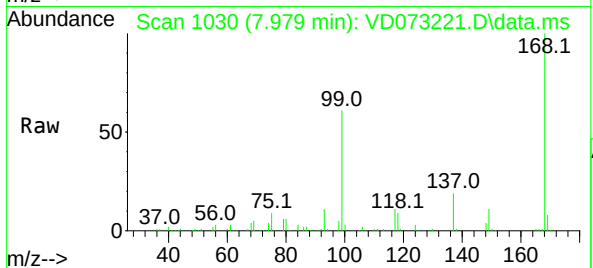
Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



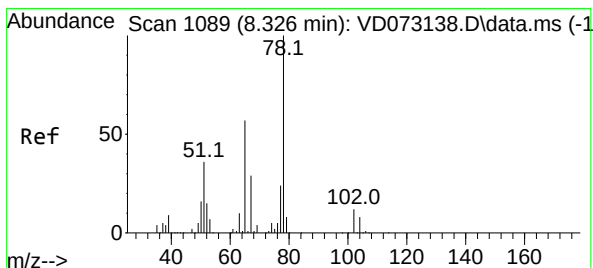
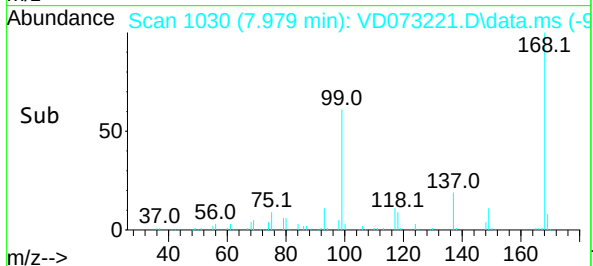
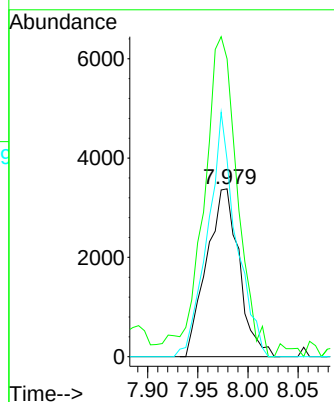


#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

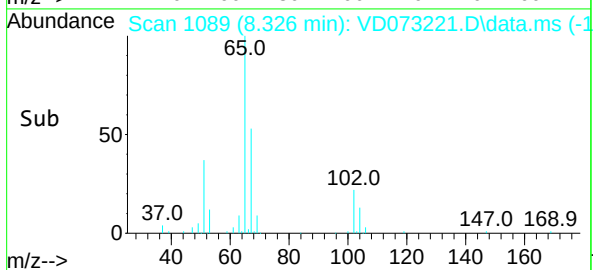
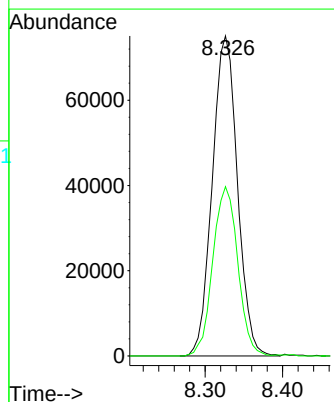
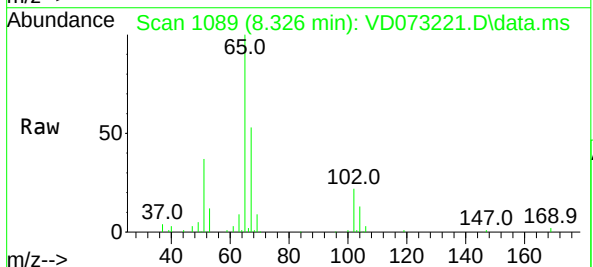


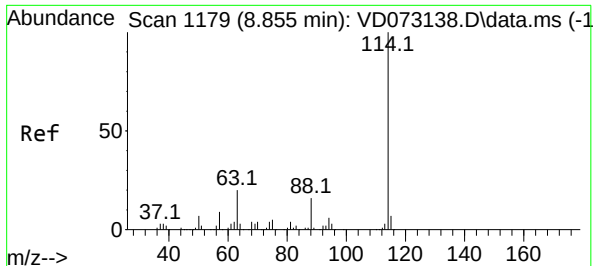
Tgt Ion: 56 Resp: 7639
Ion Ratio Lower Upper
56 100
69 169.6 25.4 38.2#
84 117.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 51.976 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

Tgt Ion: 65 Resp: 169200
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073221.D

Acq: 21 May 2022 10:39

Instrument :

MSVOA_D

ClientSampleId :

P023-SS003-0006-01

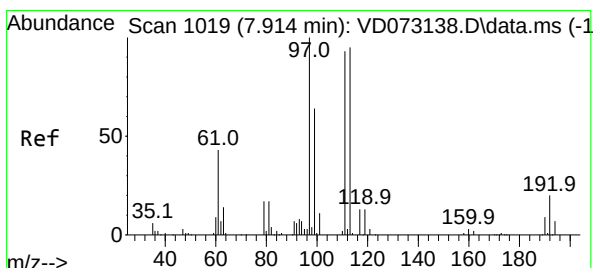
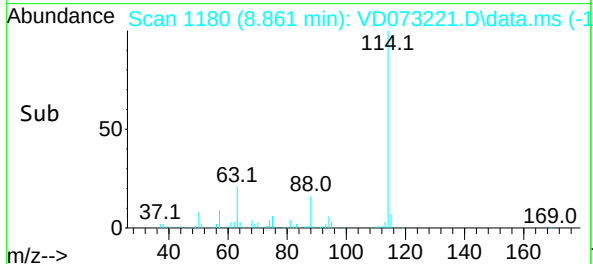
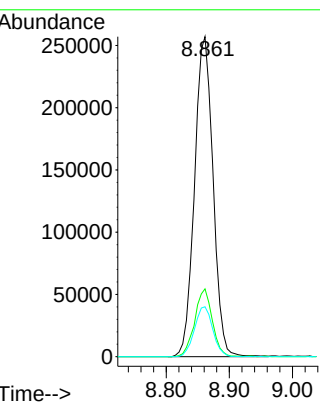
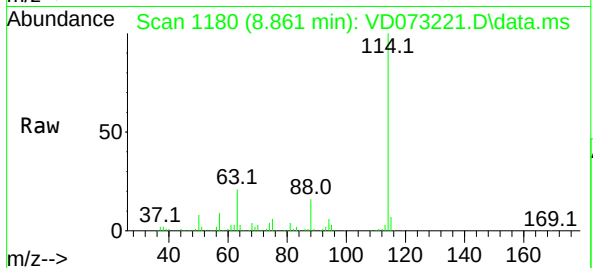
Tgt Ion:114 Resp: 523150

Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.032 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073221.D

Acq: 21 May 2022 10:39

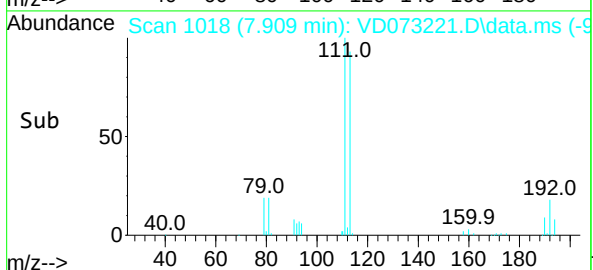
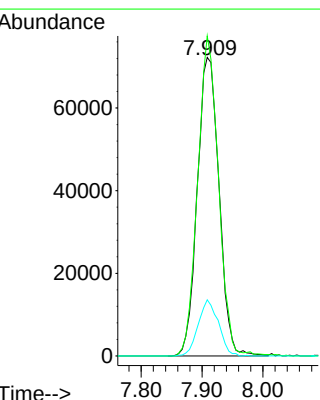
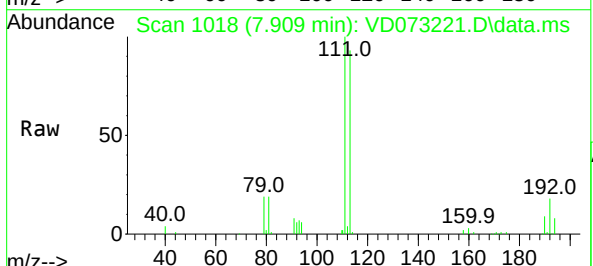
Tgt Ion:113 Resp: 179619

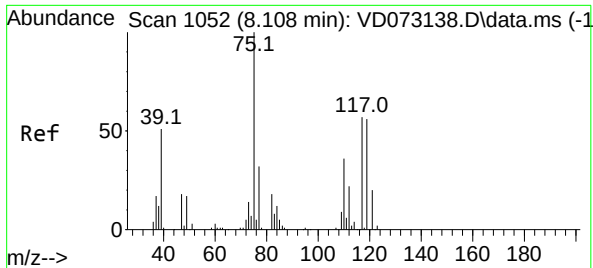
Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 17.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.977 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073221.D

Acq: 21 May 2022 10:39

Instrument :

MSVOA_D

ClientSampleId :

P023-SS003-0006-01

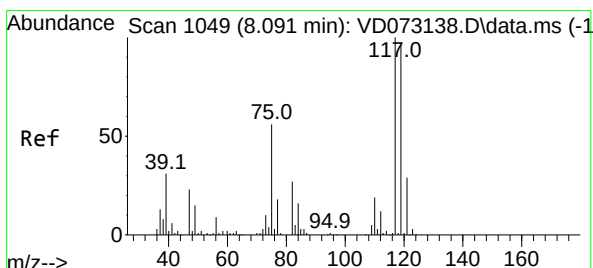
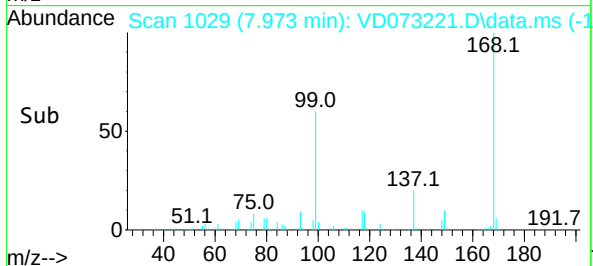
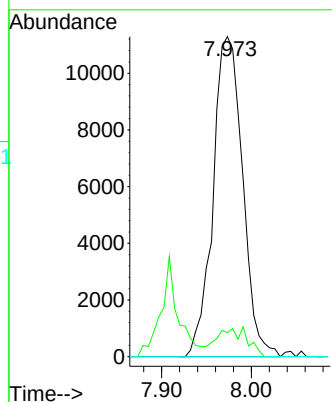
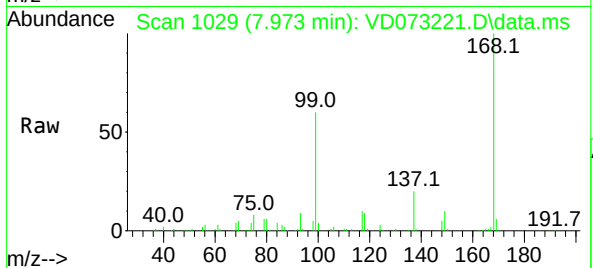
Tgt Ion: 75 Resp: 25840

Ion Ratio Lower Upper

75 100

110 9.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.163 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD073221.D

Acq: 21 May 2022 10:39

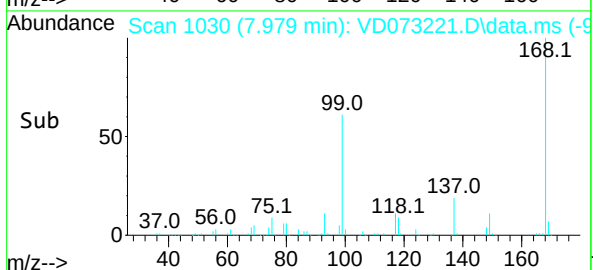
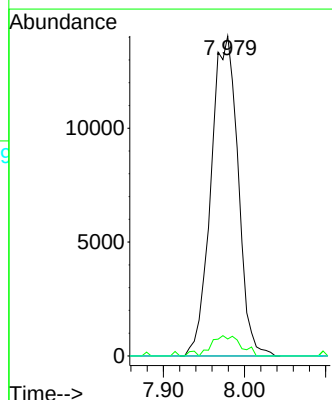
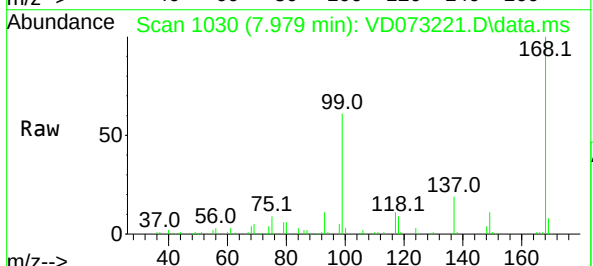
Tgt Ion: 117 Resp: 32435

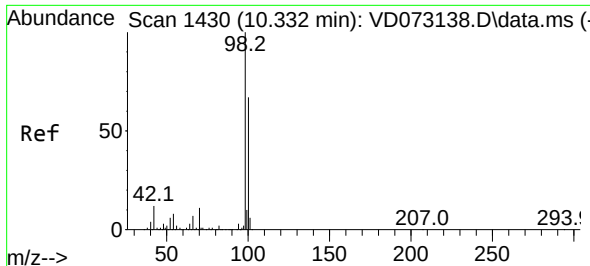
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

121 0.0 24.5 36.7#

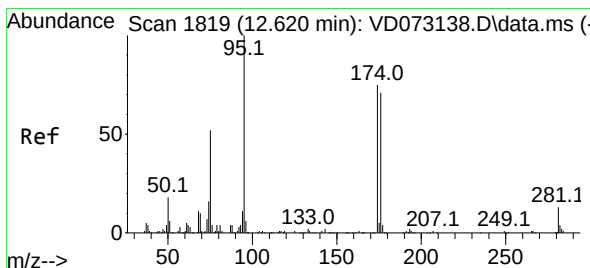
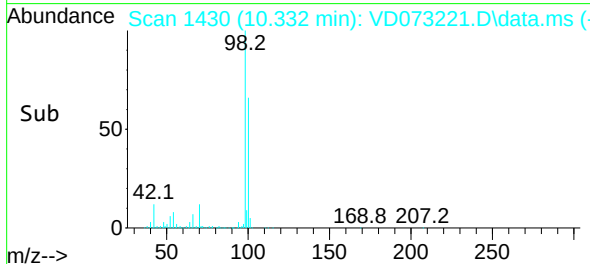
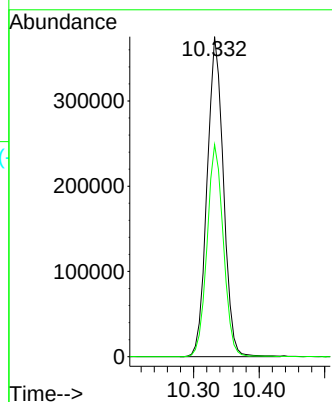
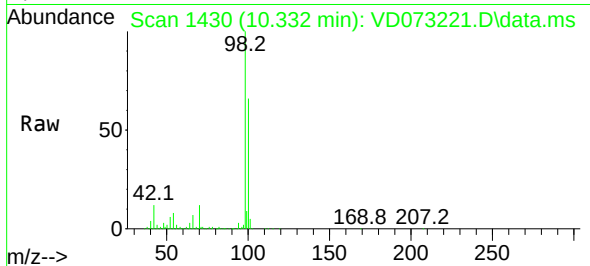




#50
Toluene-d8
Concen: 51.166 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

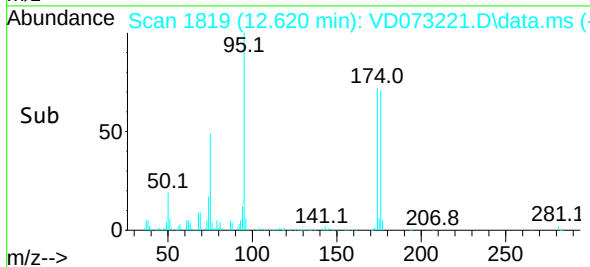
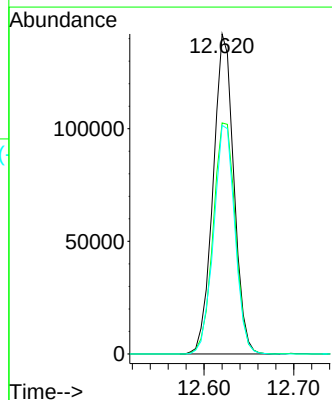
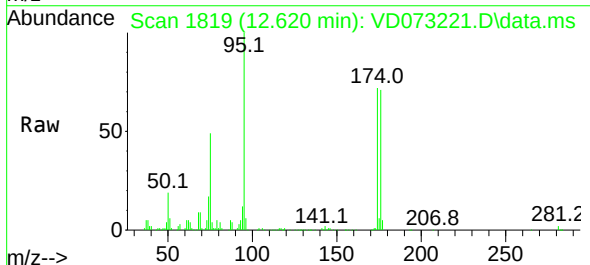
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

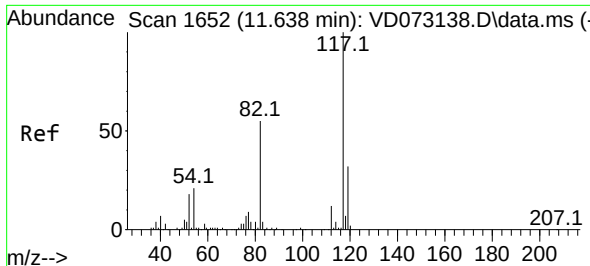
Tgt Ion: 98 Resp: 651098
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.125 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

Tgt Ion: 95 Resp: 228315
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.8
176 72.9 0.0 145.4

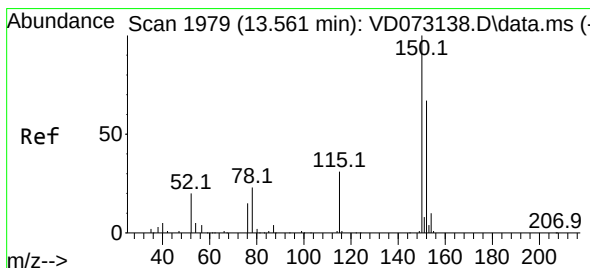
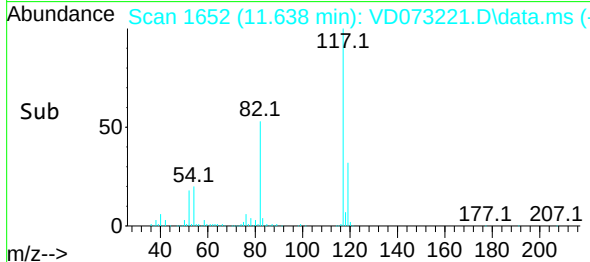
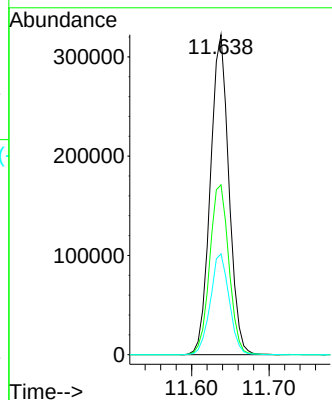
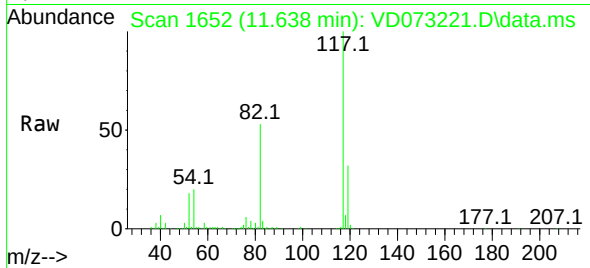




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

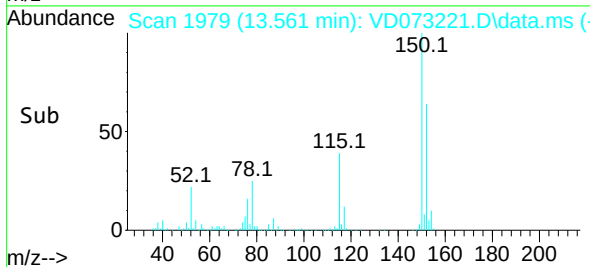
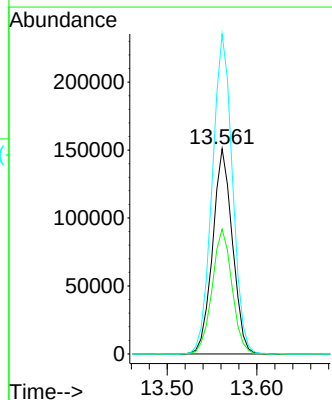
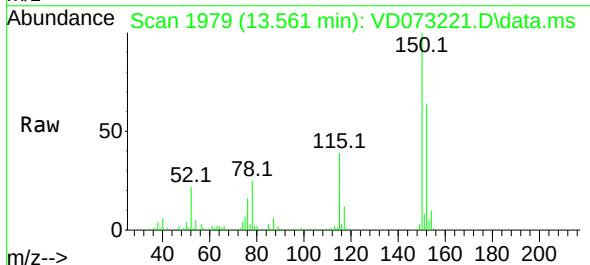
Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

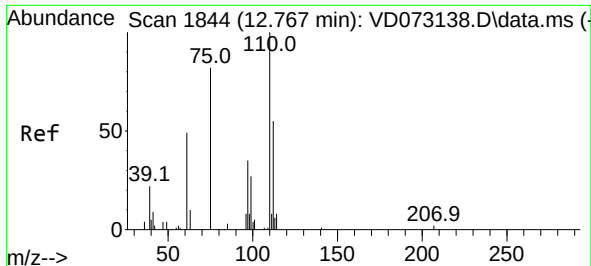
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.3	67.9
119	31.5	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.3	93.8
150	159.0	0.0	348.6

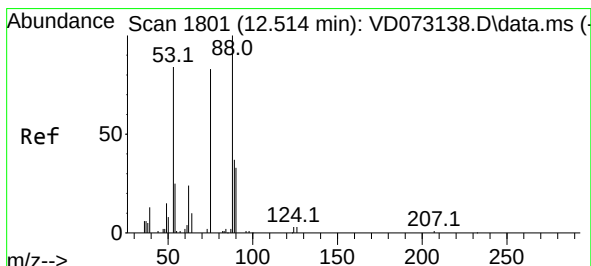
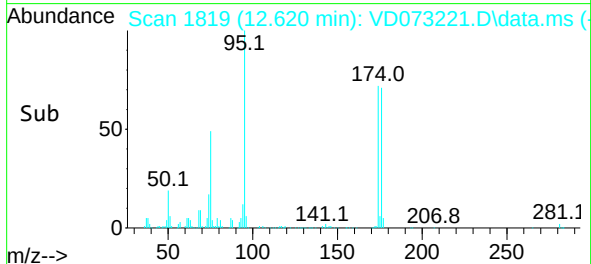
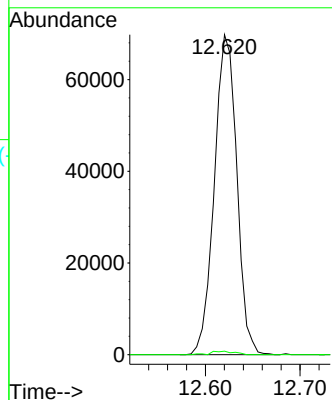
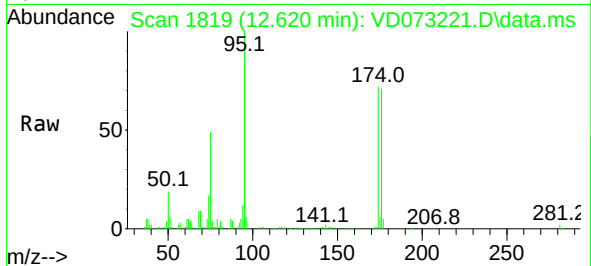




#76
1,2,3-Trichloropropane
Concen: 50.703 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

Instrument :
MSVOA_D
ClientSampleId :
P023-SS003-0006-01

Tgt Ion: 75 Resp: 115036
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.722 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073221.D
Acq: 21 May 2022 10:39

Tgt Ion: 75 Resp: 115036
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

