

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034514.D
 Acq On : 15 Mar 2023 17:32
 Operator : JC/MD
 Sample : 01909-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DS-02-031023-AM

Quant Time: Mar 16 05:22:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	243303	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	413296	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151251	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161919	45.745	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.500%
35) Dibromofluoromethane	5.385	113	127380	46.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.360%
50) Toluene-d8	8.647	98	494659	48.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.120%
62) 4-Bromofluorobenzene	11.079	95	185449	45.070	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.140%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.307	50	751	Below Cal	#	42
13) Acrolein	2.215	56	143	0.245	ug/l #	1
16) Acetone	2.380	43	1905	1.143	ug/l	96
31) Cyclohexane	5.550	56	5686	1.145	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19243	4.591	ug/l #	50
38) Carbon Tetrachloride	5.550	117	24798	5.947	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	2518	0.560	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	98109	28.250	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	98109	76.425	ug/l #	8

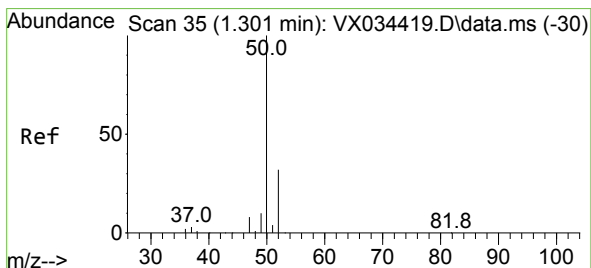
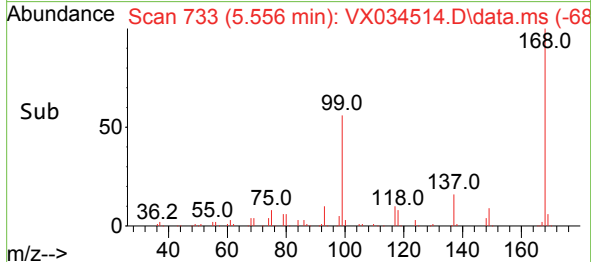
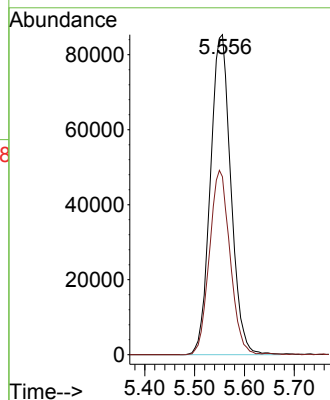
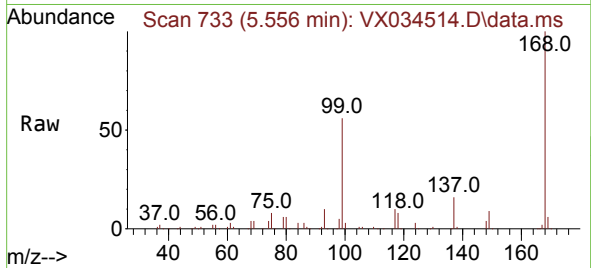
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

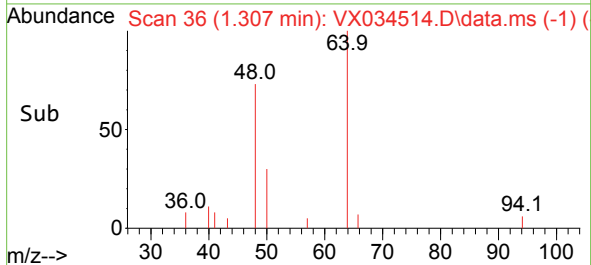
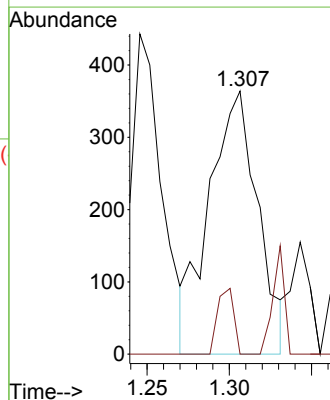
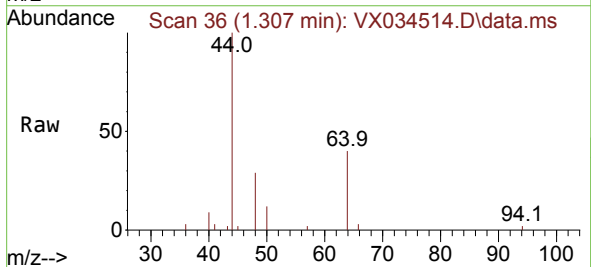
Instrument :
MSVOA_X
ClientSampleId :
DS-02-031023-AM

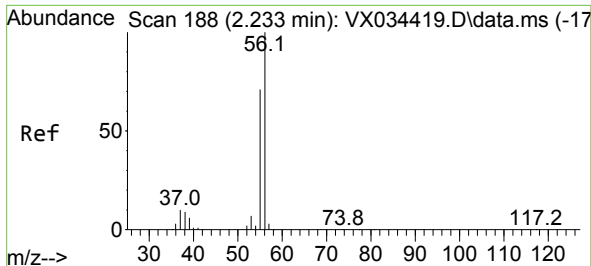
Tgt Ion:168 Resp: 243303
Ion Ratio Lower Upper
168 100
99 55.6 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

Tgt Ion: 50 Resp: 751
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#13

Acrolein

Concen: 0.245 ug/l

RT: 2.215 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX034514.D

Acq: 15 Mar 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

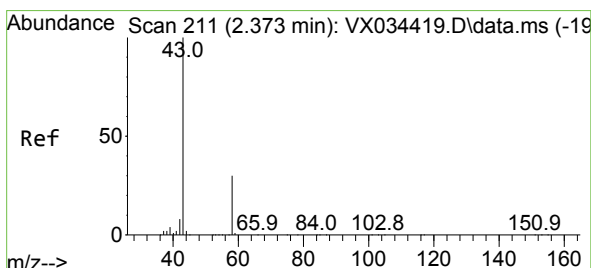
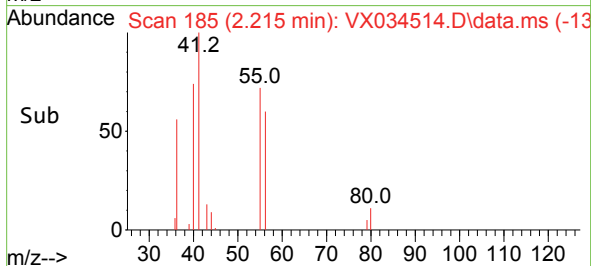
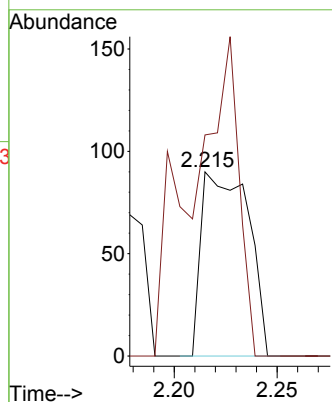
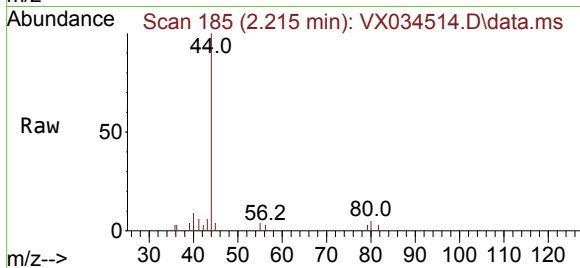
DS-02-031023-AM

Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

55 173.4 56.6 85.0#



#16

Acetone

Concen: 1.143 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034514.D

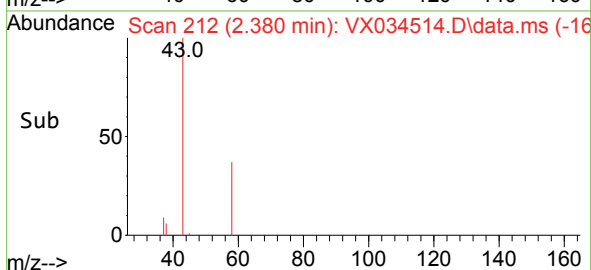
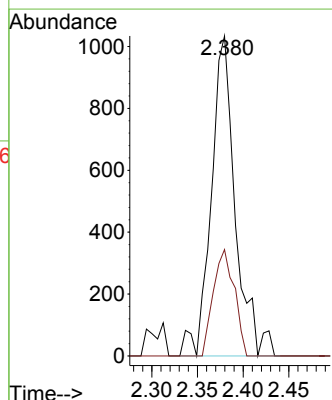
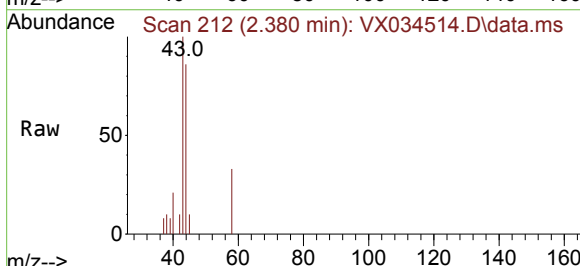
Acq: 15 Mar 2023 17:32

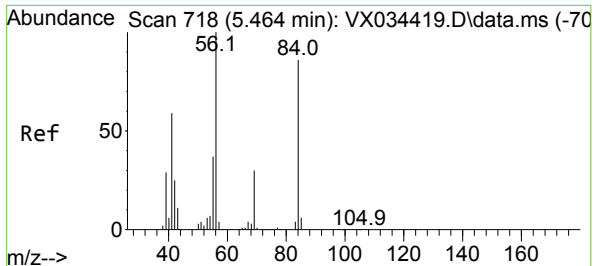
Tgt Ion: 43 Resp: 1905

Ion Ratio Lower Upper

43 100

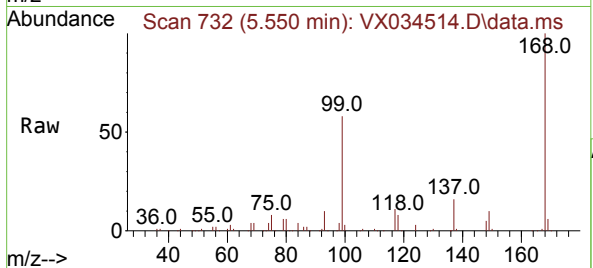
58 33.3 24.7 37.1



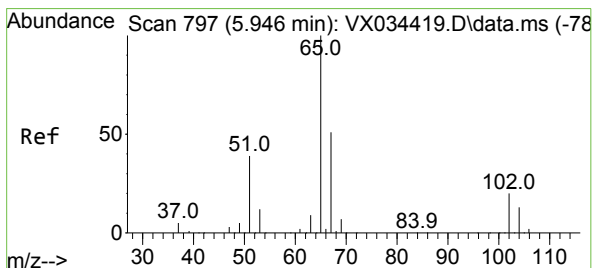
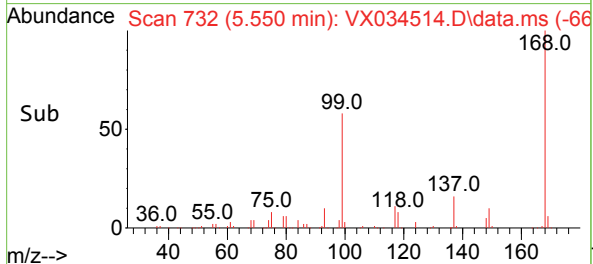
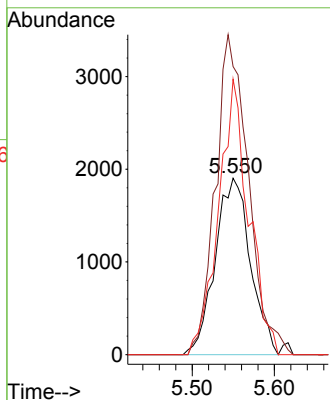


#31
Cyclohexane
Concen: 1.145 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

Instrument :
MSVOA_X
ClientSampleId :
DS-02-031023-AM

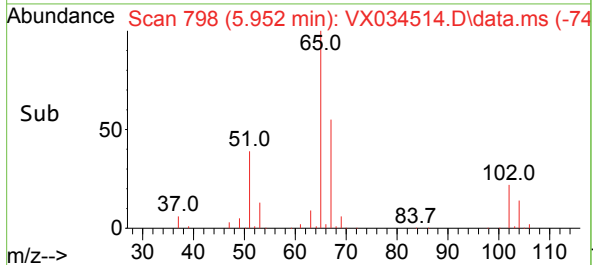
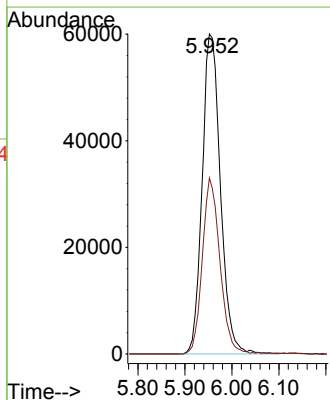
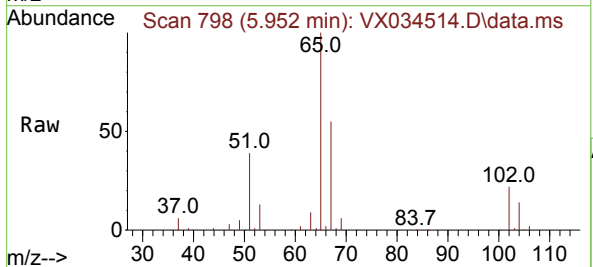


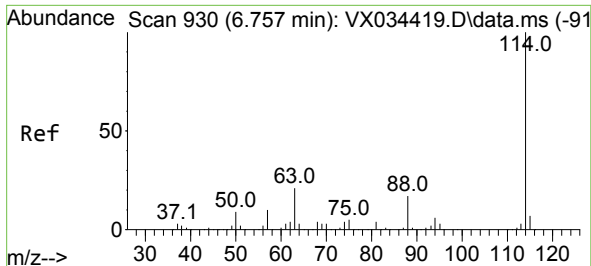
Tgt Ion: 56 Resp: 5686
Ion Ratio Lower Upper
56 100
69 163.3 23.7 35.5#
84 156.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.745 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

Tgt Ion: 65 Resp: 161919
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.0

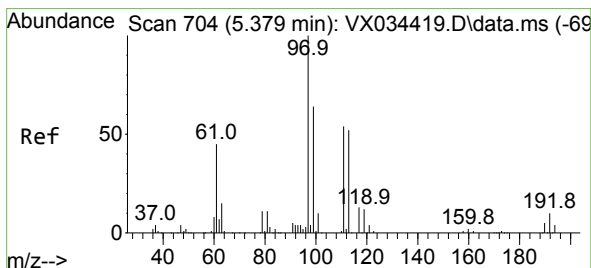
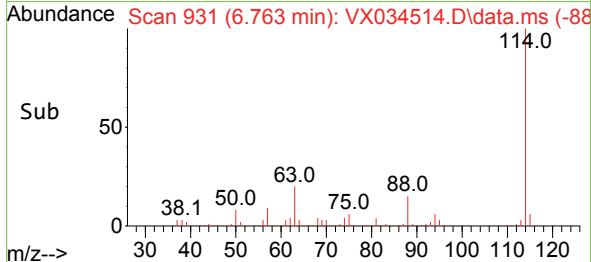
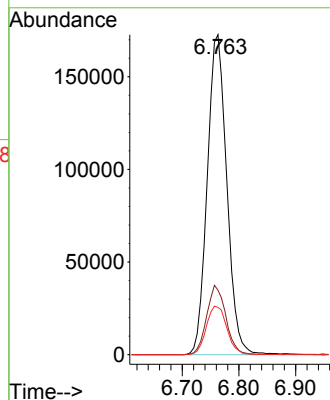
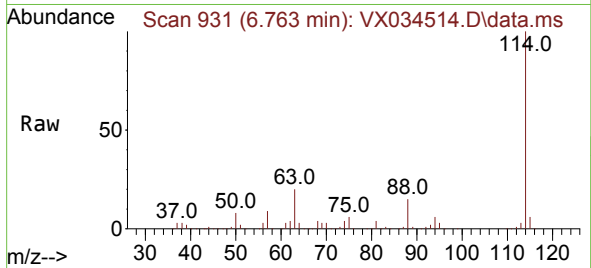




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

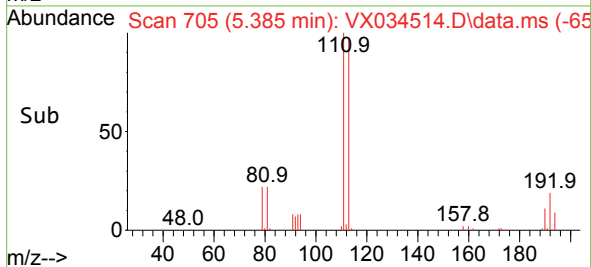
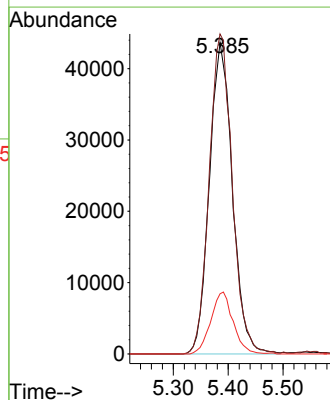
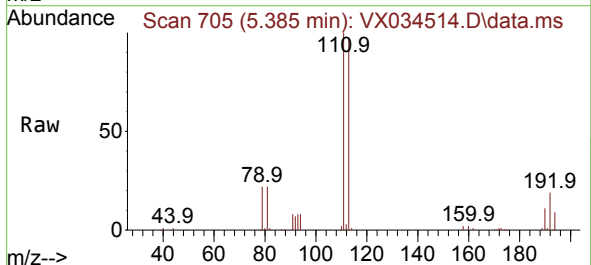
Instrument :
MSVOA_X
ClientSampleId :
DS-02-031023-AM

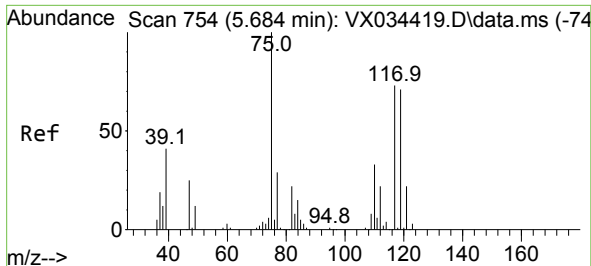
Tgt Ion:114 Resp: 413296
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.2
88 14.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.680 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

Tgt Ion:113 Resp: 127380
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 19.2 15.4 23.2

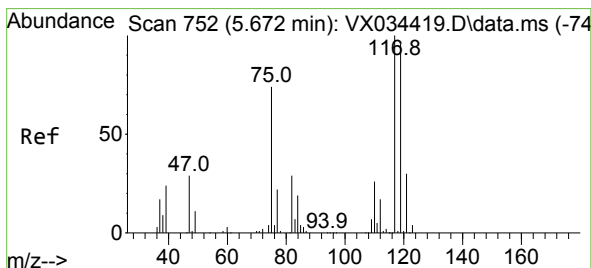
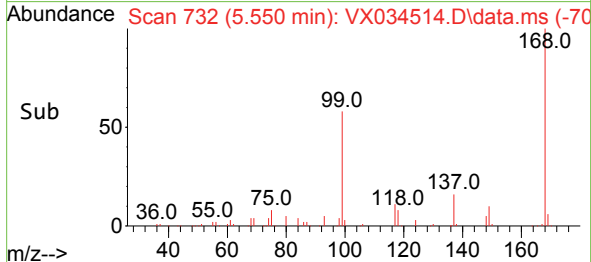
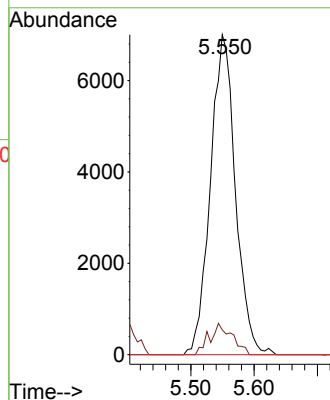
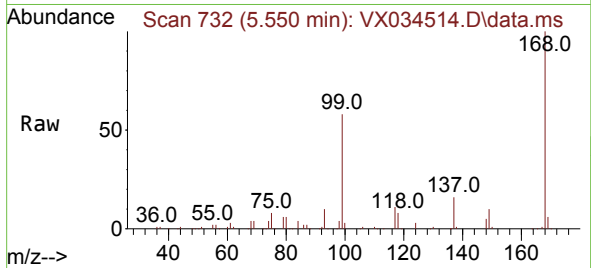




#36
1,1-Dichloropropene
Concen: 4.591 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.134 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

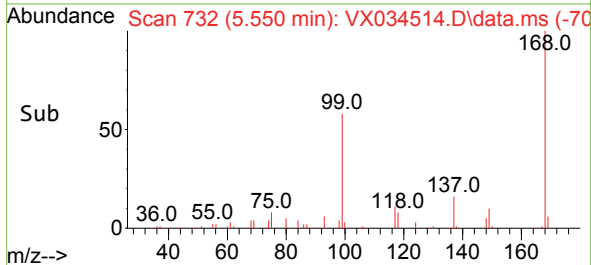
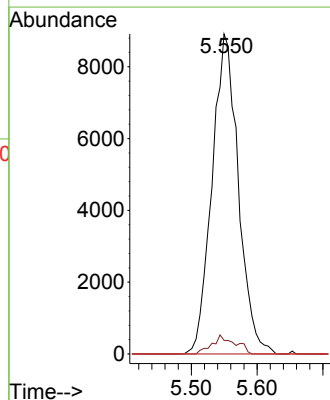
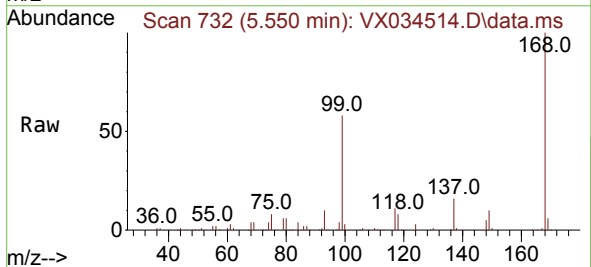
Instrument :
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ClientSampleId :
DS-02-031023-AM

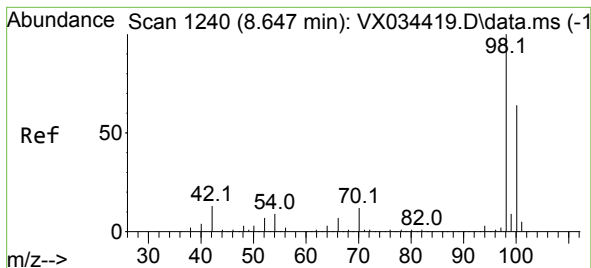
Tgt Ion: 75 Resp: 19243
Ion Ratio Lower Upper
75 100
110 8.9 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

Tgt Ion: 117 Resp: 24798
Ion Ratio Lower Upper
117 100
119 4.3 76.6 114.8#
121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 48.559 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034514.D

Acq: 15 Mar 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

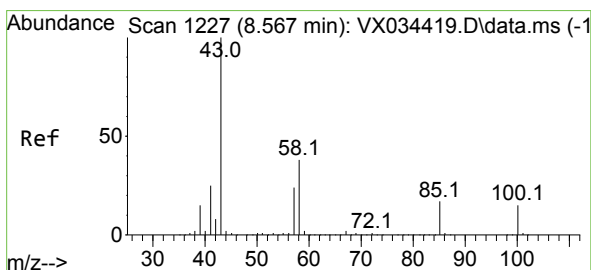
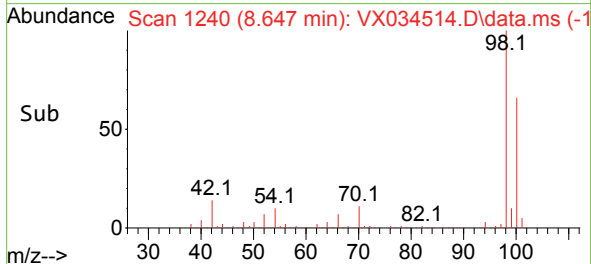
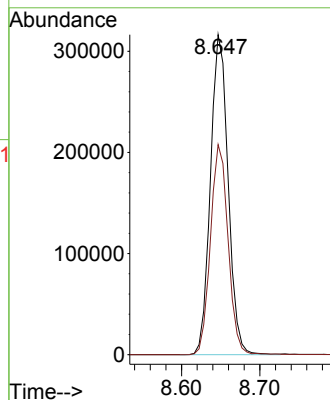
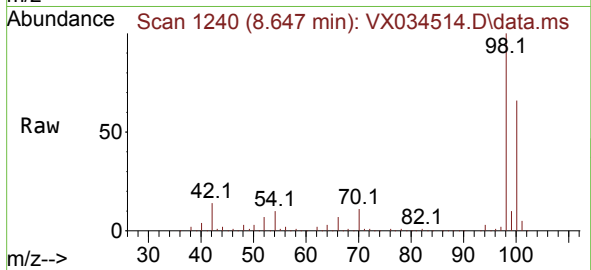
DS-02-031023-AM

Tgt Ion: 98 Resp: 494659

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.560 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.079 min

Lab File: VX034514.D

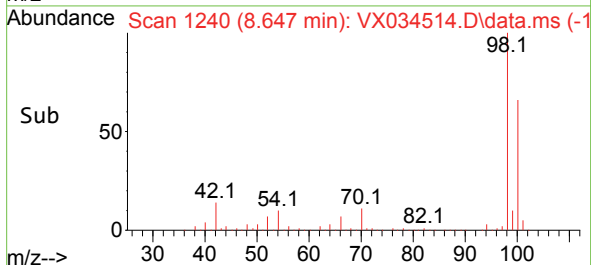
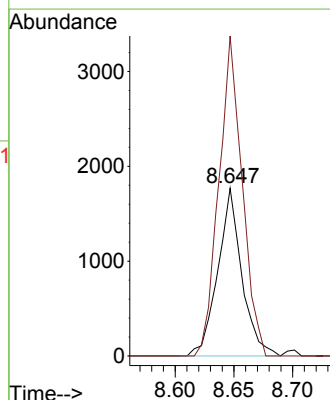
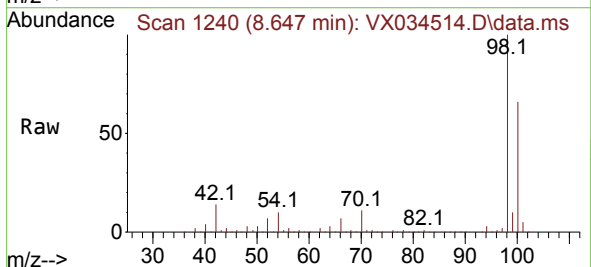
Acq: 15 Mar 2023 17:32

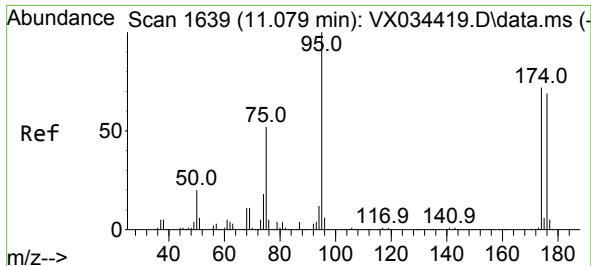
Tgt Ion: 43 Resp: 2518

Ion Ratio Lower Upper

43 100

58 185.6 30.6 46.0#

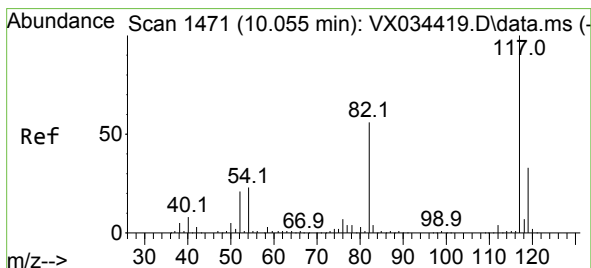
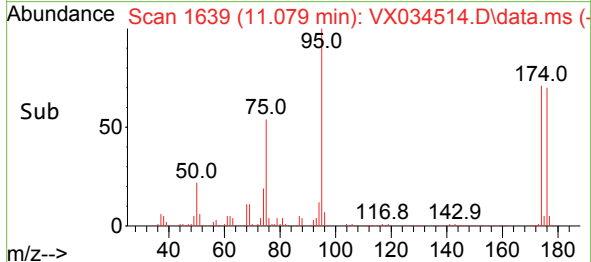
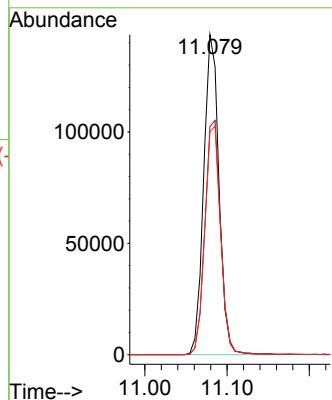
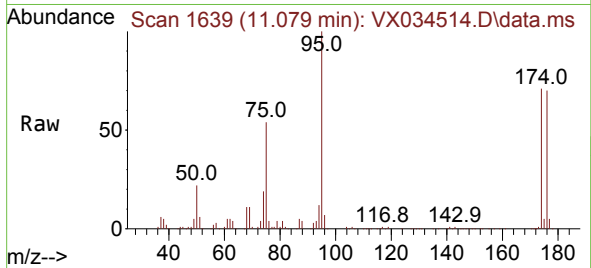




#62
4-Bromofluorobenzene
Concen: 45.070 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

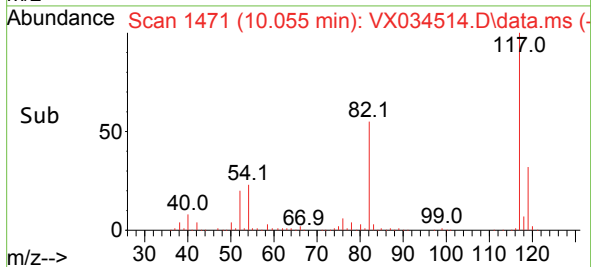
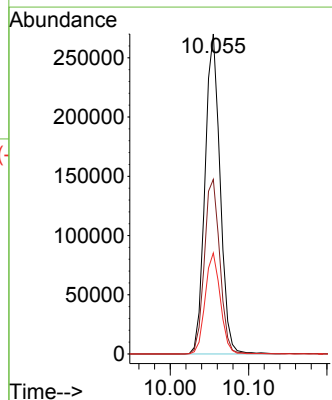
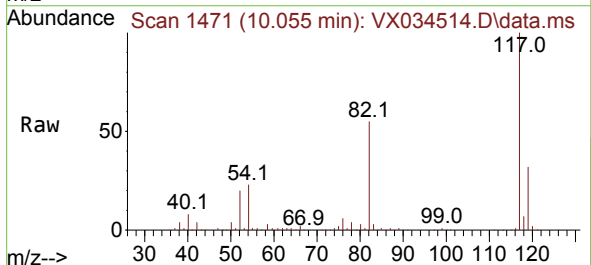
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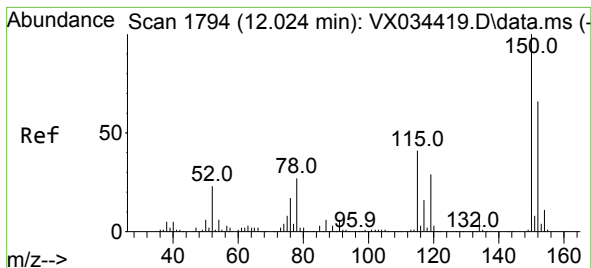
Tgt Ion: 95 Resp: 185449
Ion Ratio Lower Upper
95 100
174 75.6 0.0 147.4
176 73.9 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034514.D
Acq: 15 Mar 2023 17:32

Tgt Ion: 117 Resp: 360985
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 31.5 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034514.D

Acq: 15 Mar 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

DS-02-031023-AM

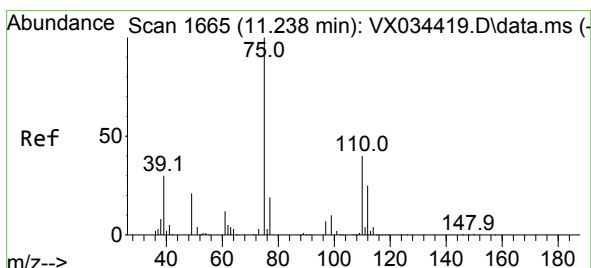
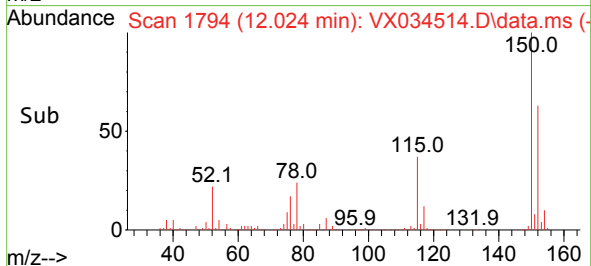
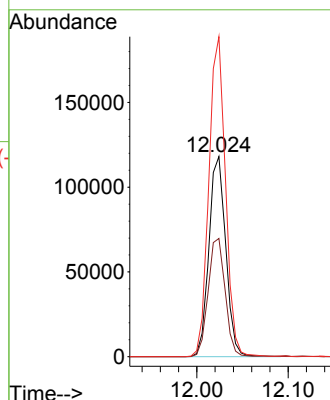
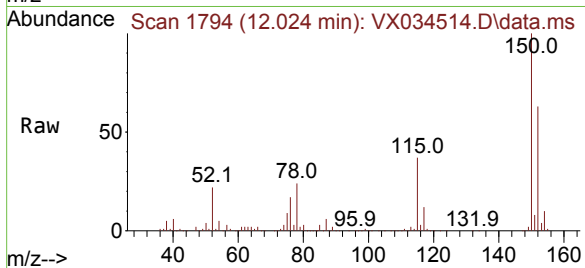
Tgt Ion:152 Resp: 151251

Ion Ratio Lower Upper

152 100

115 59.9 45.0 135.0

150 157.6 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 28.250 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034514.D

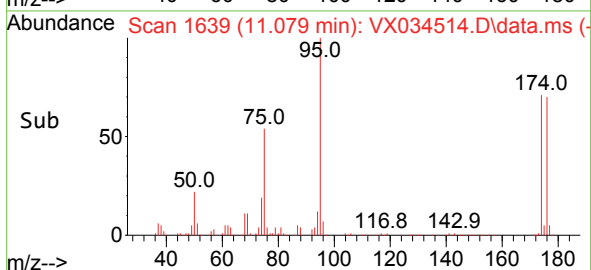
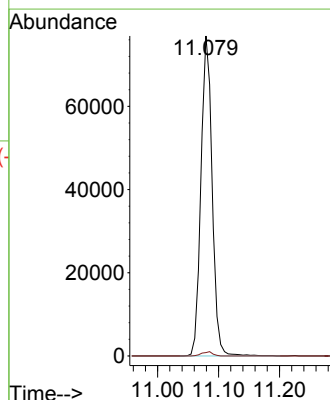
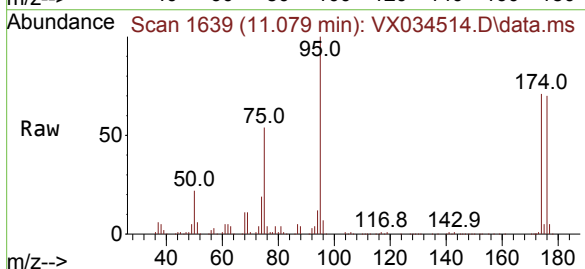
Acq: 15 Mar 2023 17:32

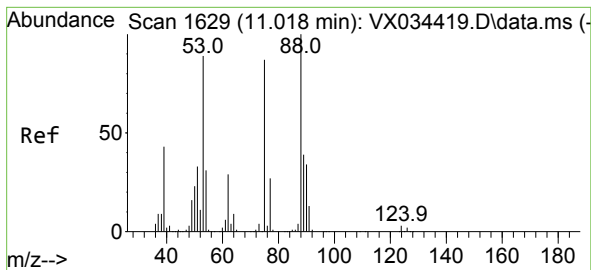
Tgt Ion: 75 Resp: 98109

Ion Ratio Lower Upper

75 100

77 1.3 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.425 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX034514.D
 Acq: 15 Mar 2023 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 DS-02-031023-AM

Tgt Ion: 75 Resp: 98109
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.1 36.9 55.3#

