

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030623\
 Data File : VX034348.D
 Acq On : 06 Mar 2023 14:36
 Operator : JC/MD
 Sample : 01821-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2023-3-3

Quant Time: Mar 07 00:38:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

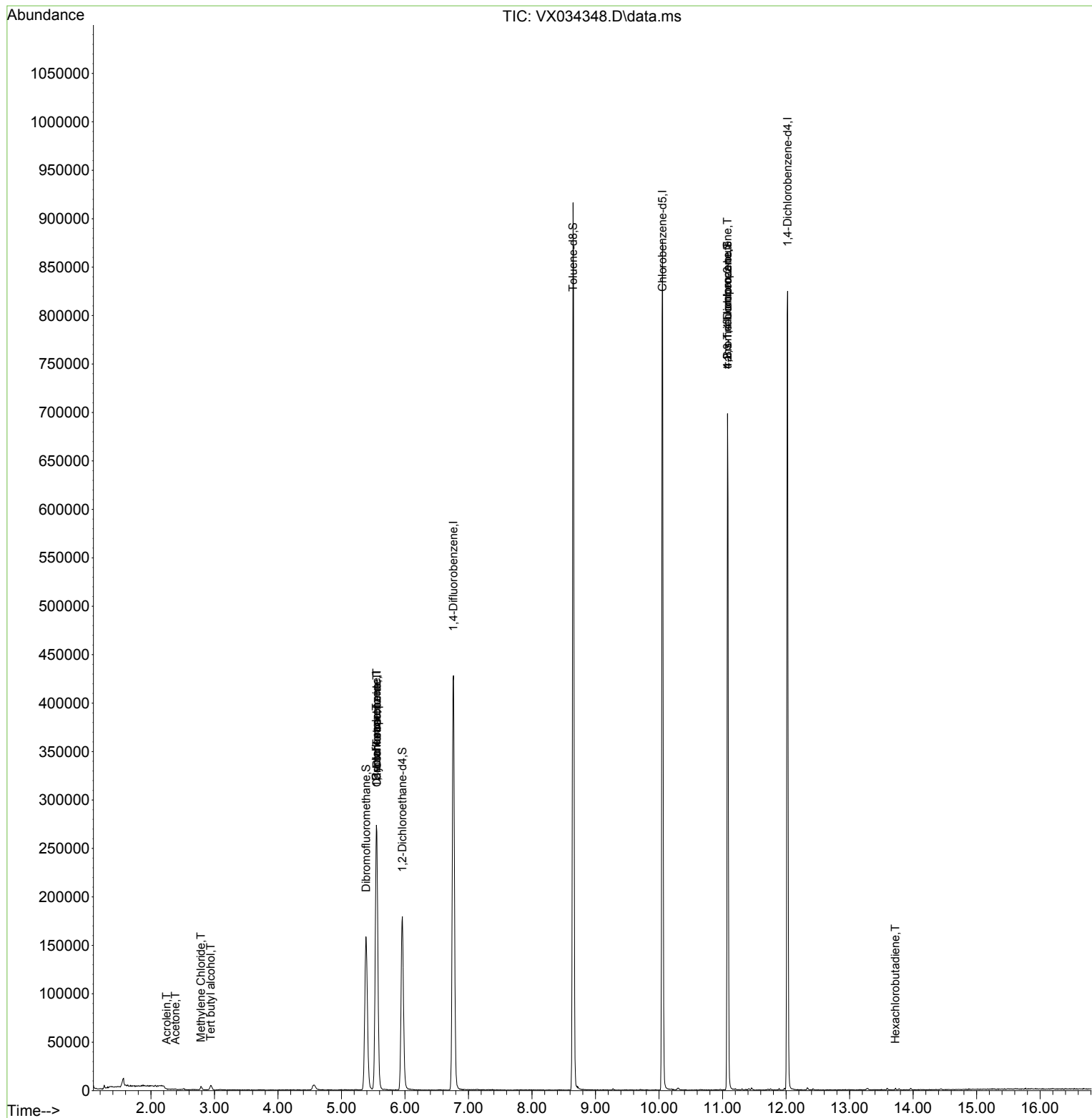
Internal Standards						
1) Pentafluorobenzene	5.550	168	268750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	449397	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	398351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165783	45.804	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.600%
35) Dibromofluoromethane	5.385	113	140315	47.954	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.900%
50) Toluene-d8	8.647	98	536662	51.084	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.160%
62) 4-Bromofluorobenzene	11.079	95	185005	46.040	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.080%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	248	Below Cal	#	78
11) Tert butyl alcohol	2.940	59	2724	3.365	ug/l #	93
13) Acrolein	2.245	56	113	0.306	ug/l #	1
16) Acetone	2.386	43	649	0.348	ug/l #	47
20) Methylene Chloride	2.788	84	1682	0.500	ug/l #	89
31) Cyclohexane	5.550	56	5876	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	21017	4.857	ug/l #	48
38) Carbon Tetrachloride	5.556	117	26100	5.861	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	92374	20.782	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	92374	53.386	ug/l #	8
94) Hexachlorobutadiene	13.719	225	391	0.247	ug/l	80

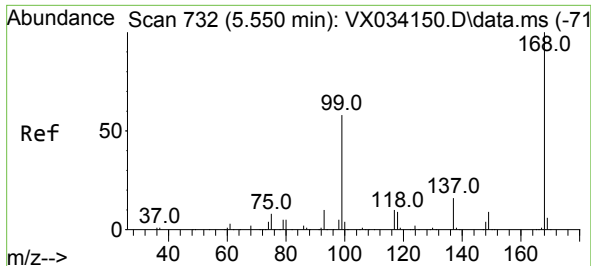
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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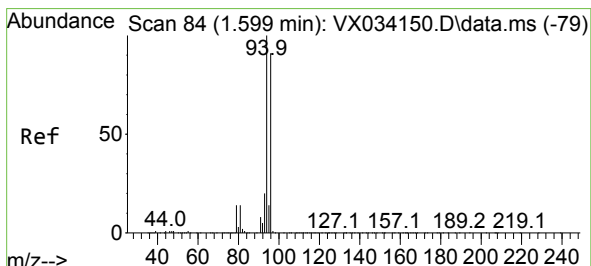
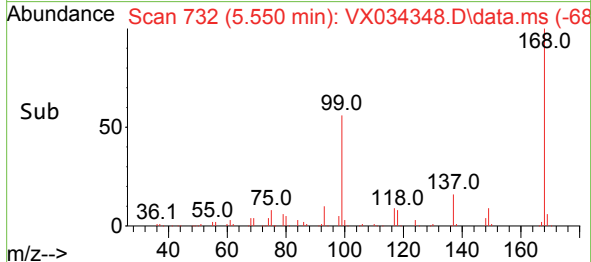
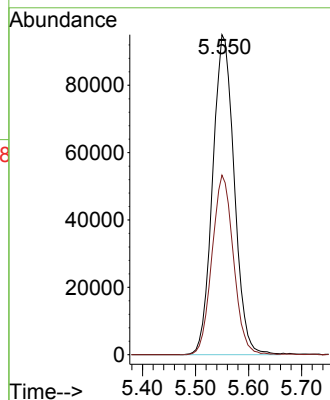
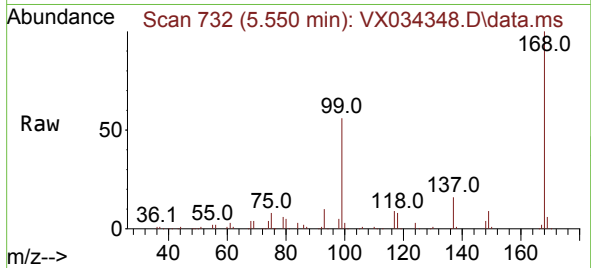




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

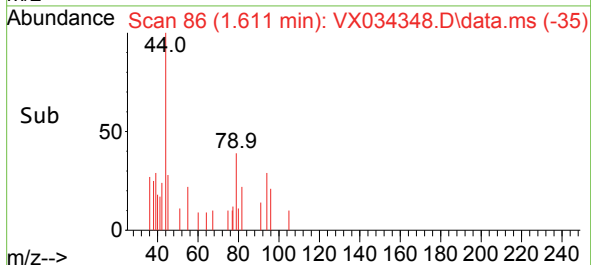
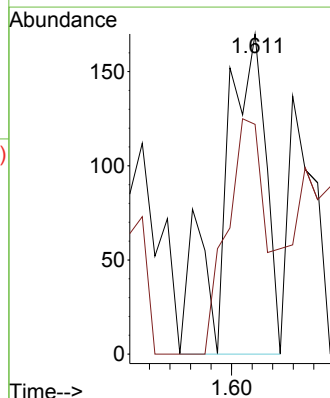
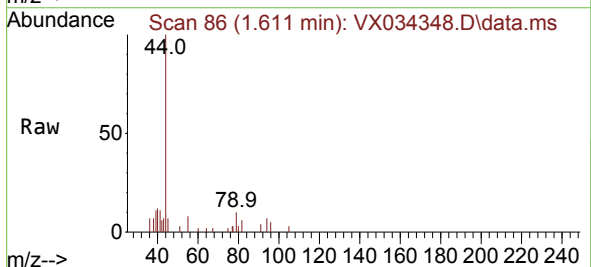
Instrument :
MSVOA_X
ClientSampleId :
TB-2023-3-3

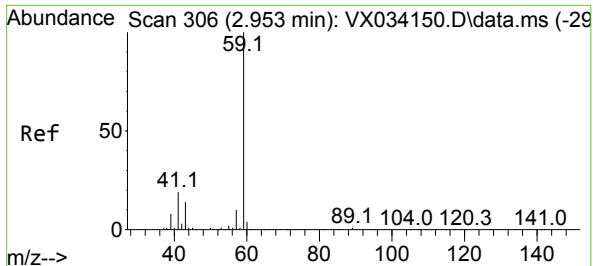
Tgt Ion:168 Resp: 268750
Ion Ratio Lower Upper
168 100
99 56.1 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 71.8 74.3 111.5#





#11

Tert butyl alcohol

Concen: 3.365 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX034348.D

Acq: 06 Mar 2023 14:36

Instrument :

MSVOA_X

ClientSampleId :

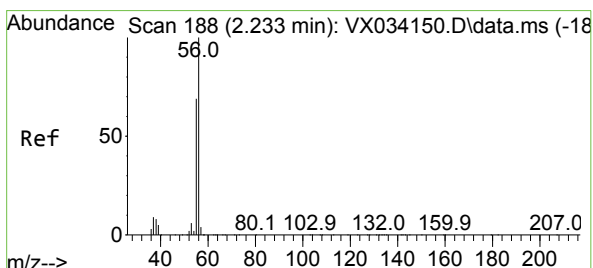
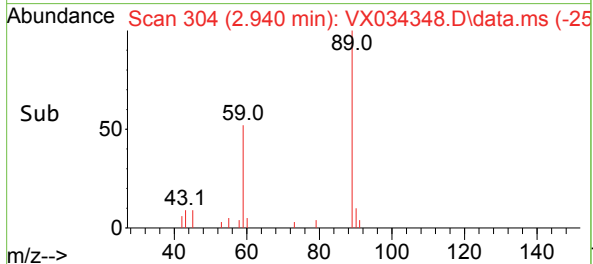
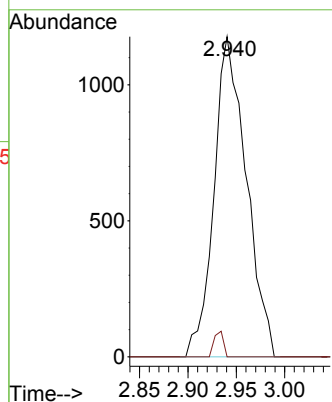
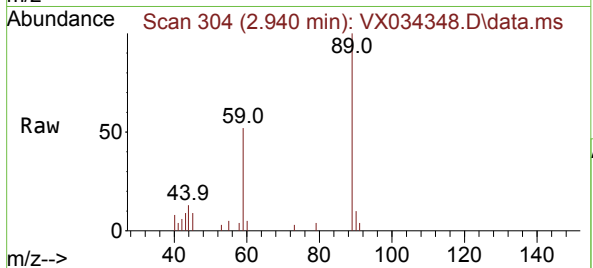
TB-2023-3-3

Tgt Ion: 59 Resp: 2724

Ion Ratio Lower Upper

59 100

57 2.3 3.7 5.5#



#13

Acrolein

Concen: 0.306 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX034348.D

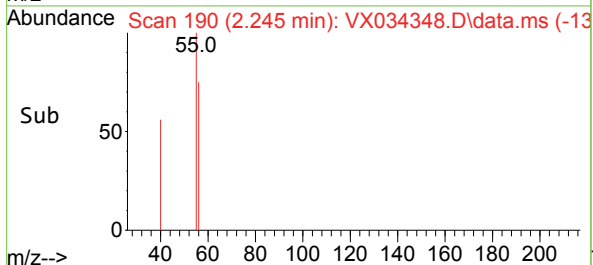
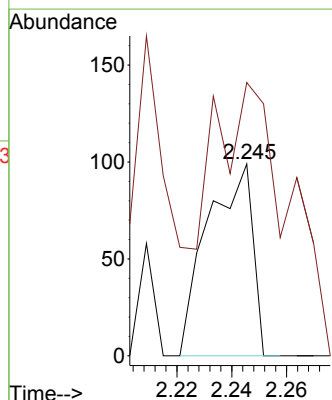
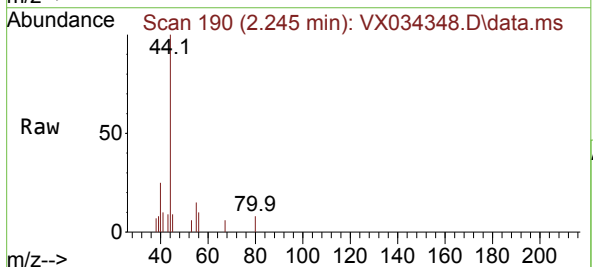
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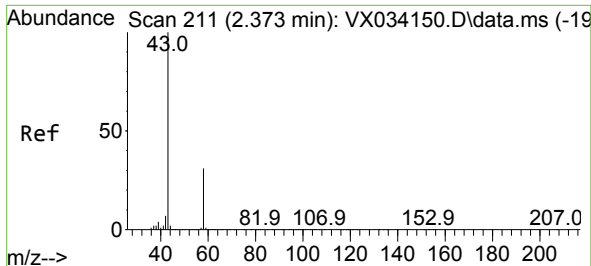
Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 230.1 56.3 84.5#

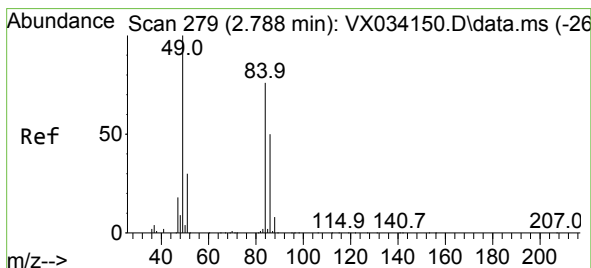
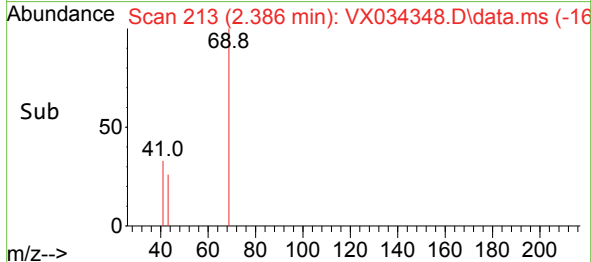
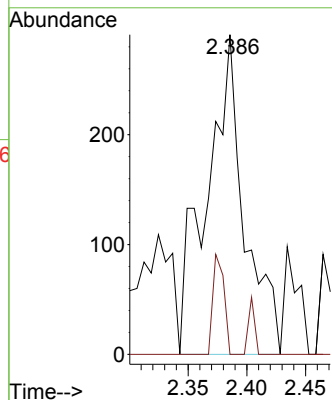
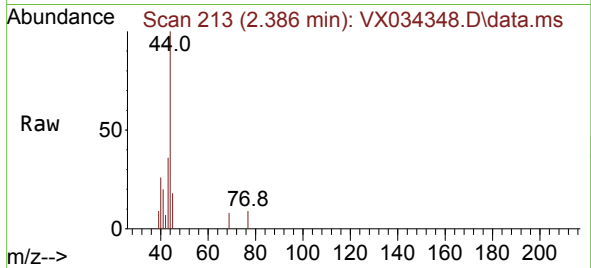




#16
Acetone
Concen: 0.348 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

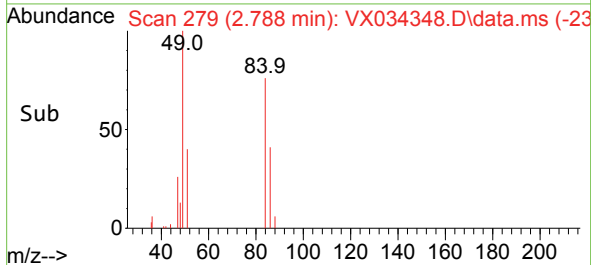
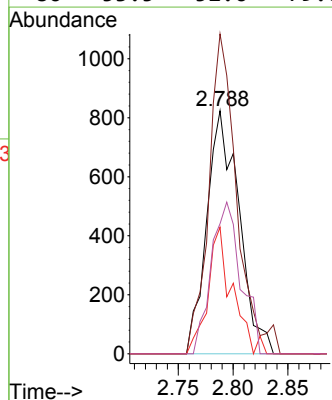
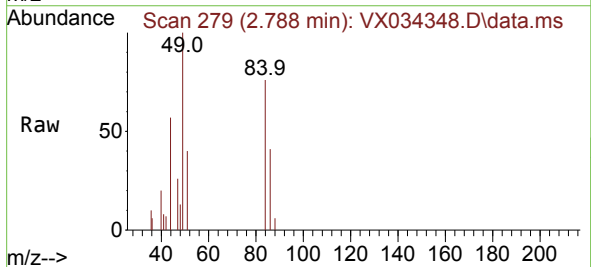
Instrument :
MSVOA_X
ClientSampleId :
TB-2023-3-3

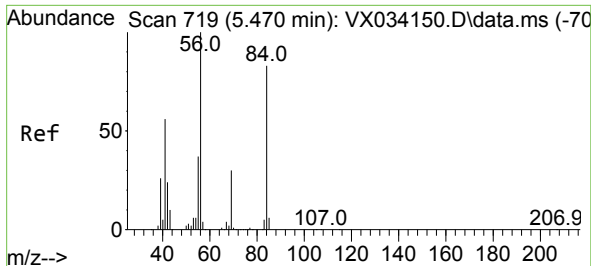
Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#20
Methylene Chloride
Concen: 0.500 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

Tgt Ion: 84 Resp: 1682
Ion Ratio Lower Upper
84 100
49 131.6 101.1 151.7
51 52.1 31.0 46.6#
86 53.5 52.6 79.0

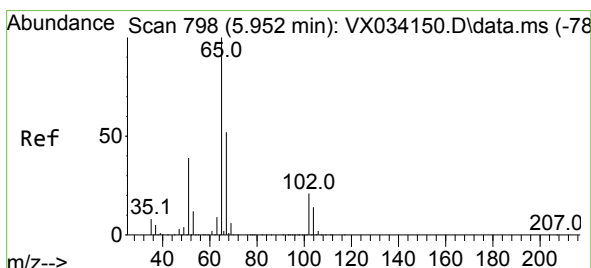
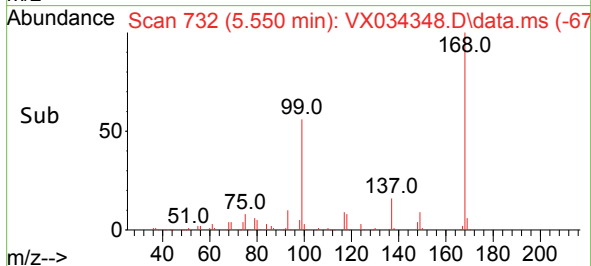
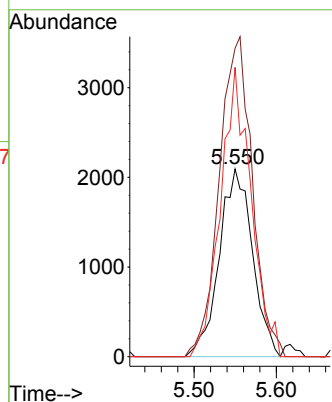
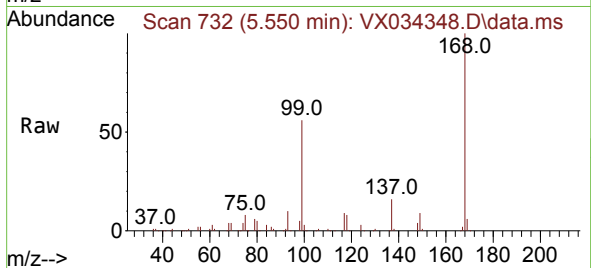




#31
Cyclohexane
Concen: 1.087 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

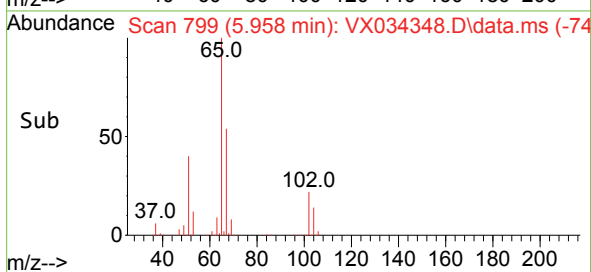
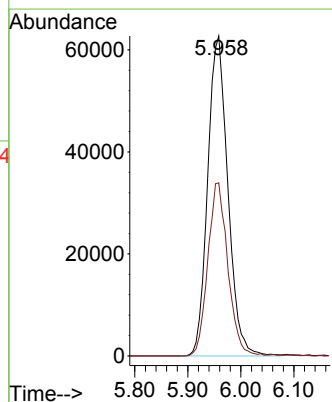
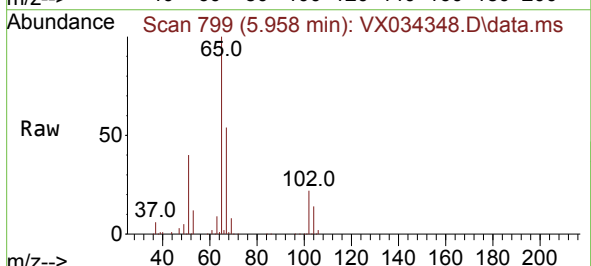
Instrument :
MSVOA_X
ClientSampleId :
TB-2023-3-3

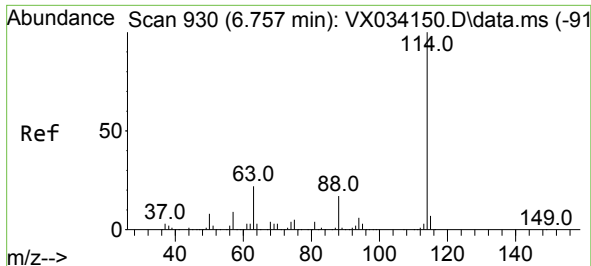
Tgt Ion: 56 Resp: 5876
Ion Ratio Lower Upper
56 100
69 164.3 24.6 37.0#
84 154.1 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.804 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

Tgt Ion: 65 Resp: 165783
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034348.D

Acq: 06 Mar 2023 14:36

Instrument :

MSVOA_X

ClientSampleId :

TB-2023-3-3

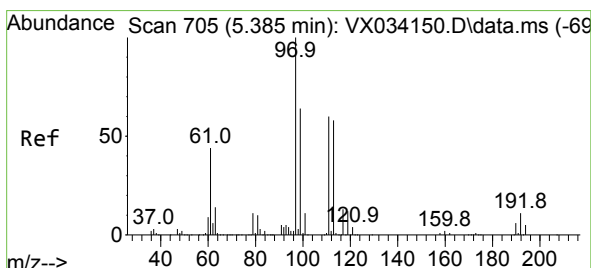
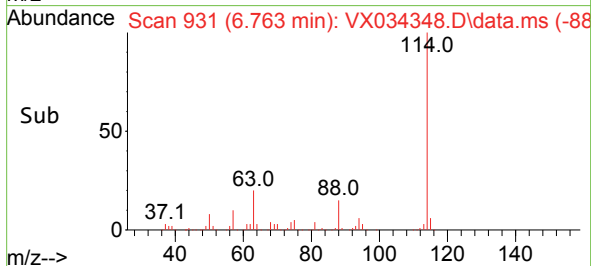
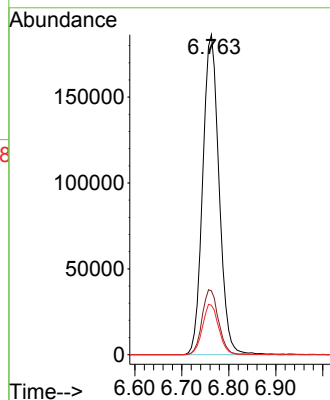
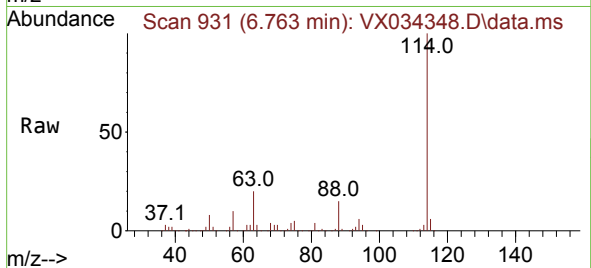
Tgt Ion:114 Resp: 449397

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.954 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX034348.D

Acq: 06 Mar 2023 14:36

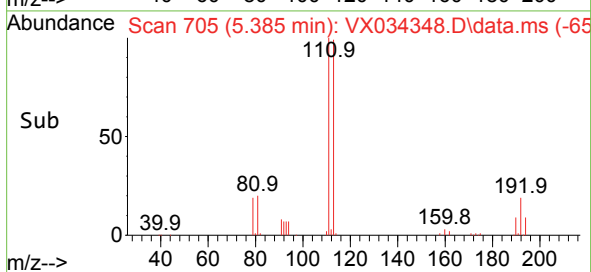
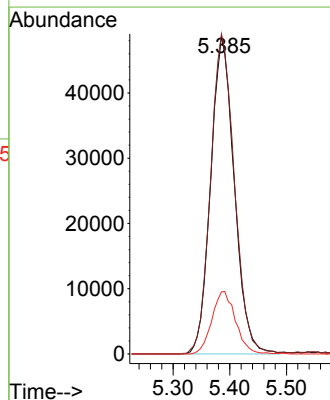
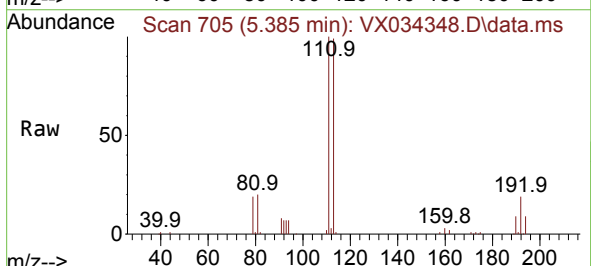
Tgt Ion:113 Resp: 140315

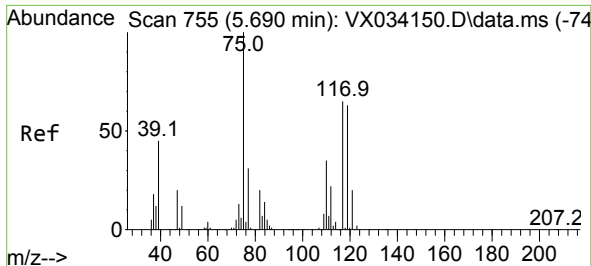
Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

192 19.8 19.0 28.4

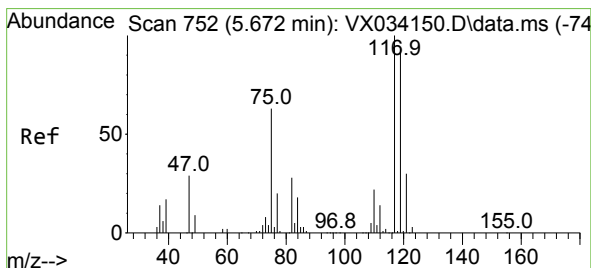
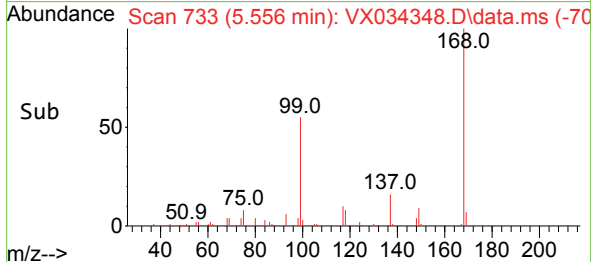
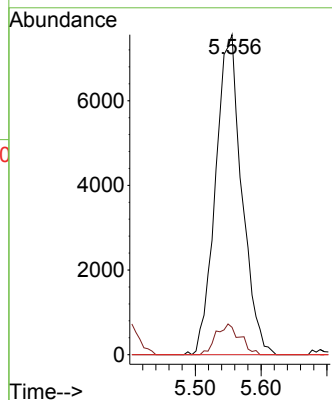
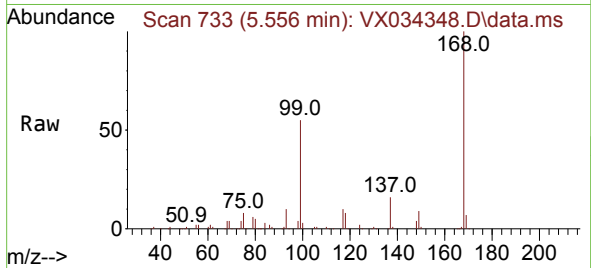




#36
 1,1-Dichloropropene
 Concen: 4.857 ug/l
 RT: 5.556 min Scan# 711
 Delta R.T. -0.134 min
 Lab File: VX034348.D
 Acq: 06 Mar 2023 14:36

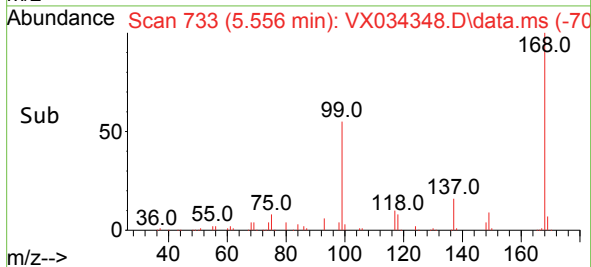
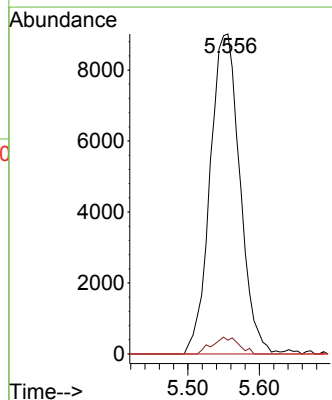
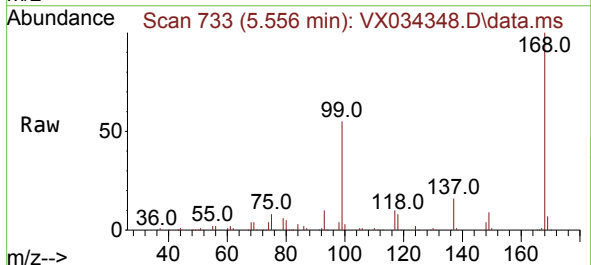
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2023-3-3

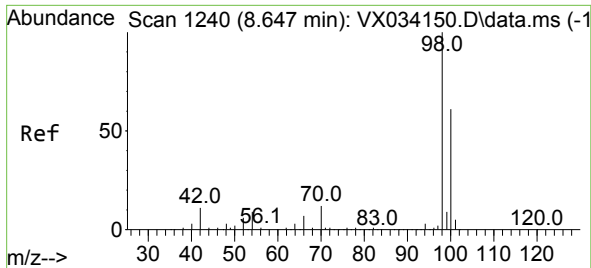
Tgt Ion: 75 Resp: 21017
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.8 56.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.861 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.116 min
 Lab File: VX034348.D
 Acq: 06 Mar 2023 14:36

Tgt Ion: 117 Resp: 26100
 Ion Ratio Lower Upper
 117 100
 119 4.3 78.0 117.0#
 121 0.0 24.4 36.6#

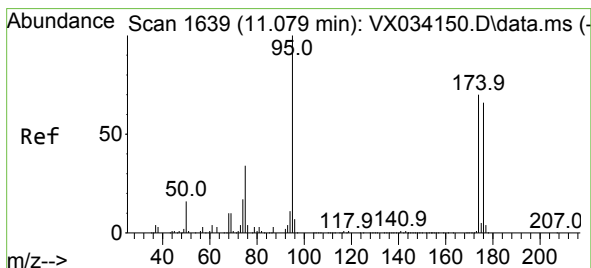
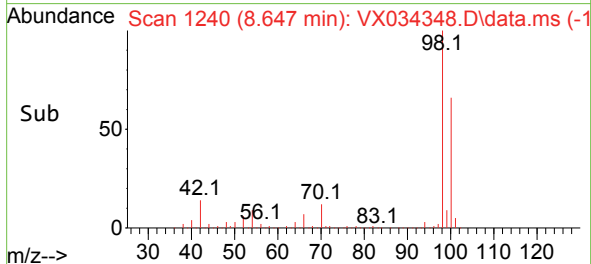
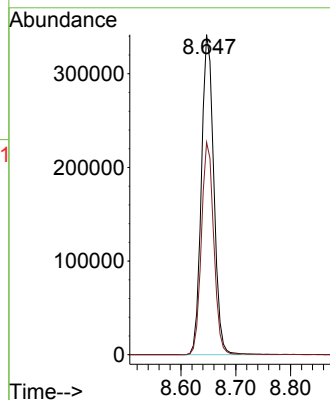
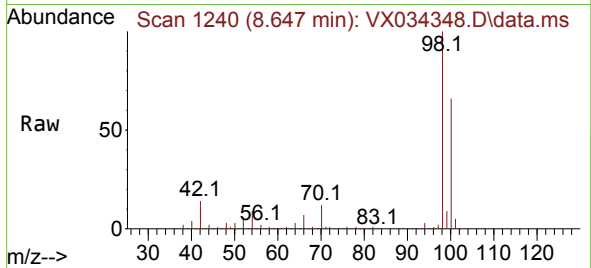




#50
Toluene-d8
Concen: 51.084 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

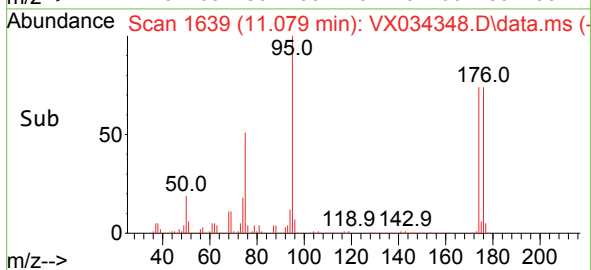
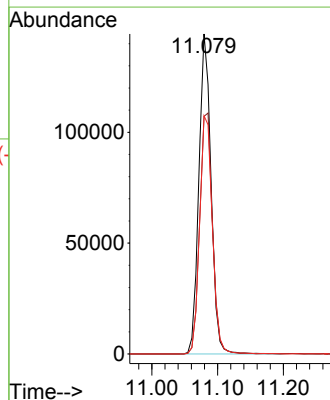
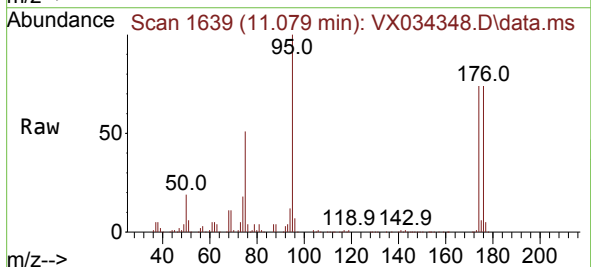
Instrument :
MSVOA_X
ClientSampleId :
TB-2023-3-3

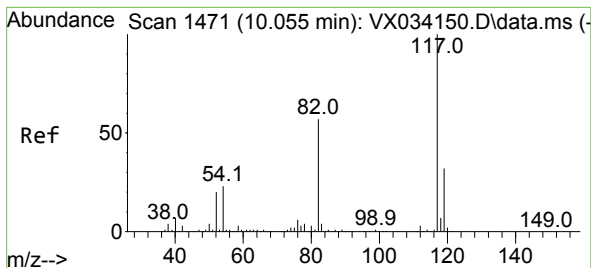
Tgt Ion: 98 Resp: 536662
Ion Ratio Lower Upper
98 100
100 66.0 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 46.040 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

Tgt Ion: 95 Resp: 185005
Ion Ratio Lower Upper
95 100
174 79.3 0.0 184.4
176 78.1 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034348.D

Acq: 06 Mar 2023 14:36

Instrument :

MSVOA_X

ClientSampleId :

TB-2023-3-3

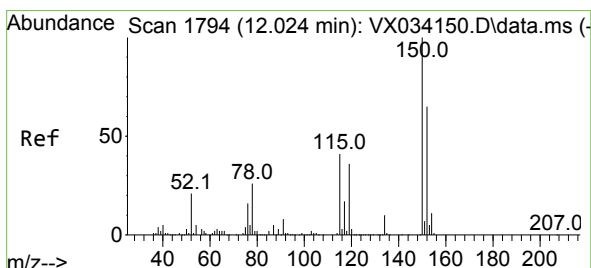
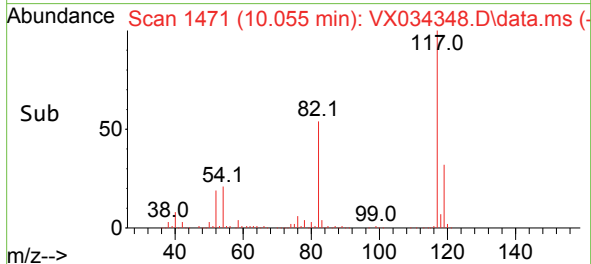
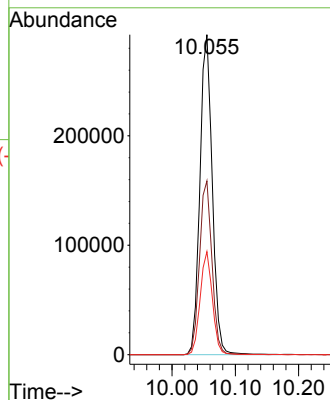
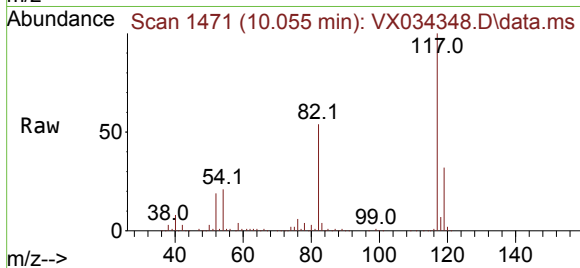
Tgt Ion:117 Resp: 398351

Ion Ratio Lower Upper

117 100

82 54.3 40.6 60.8

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034348.D

Acq: 06 Mar 2023 14:36

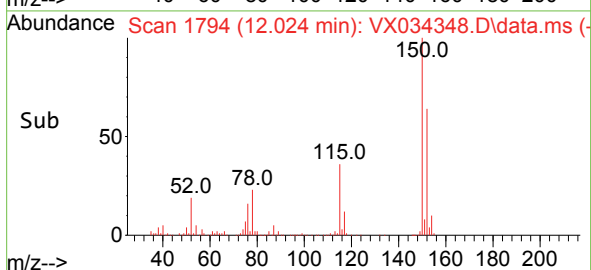
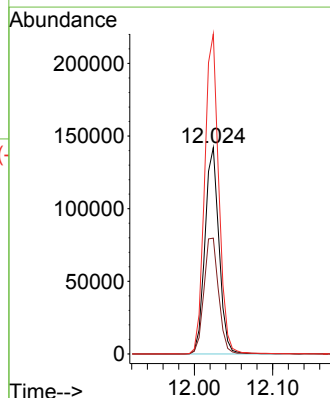
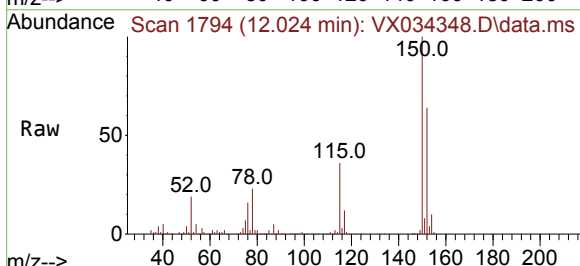
Tgt Ion:152 Resp: 176649

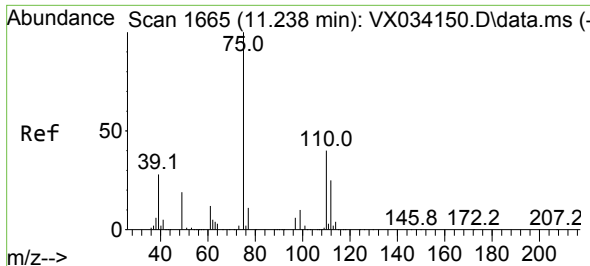
Ion Ratio Lower Upper

152 100

115 59.0 38.7 116.1

150 156.2 0.0 348.2

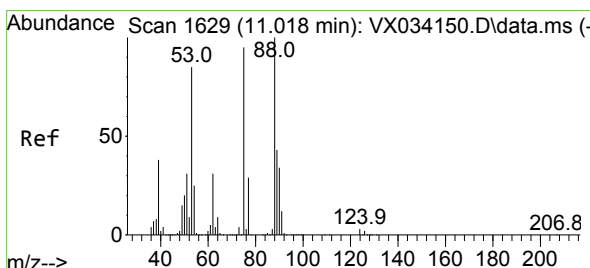
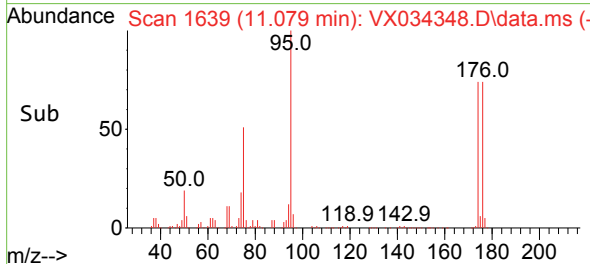
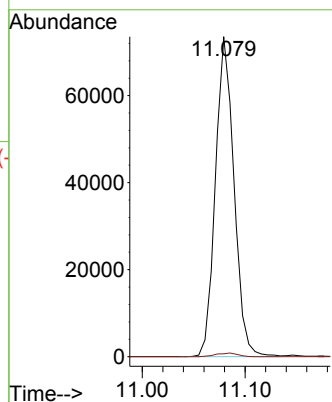
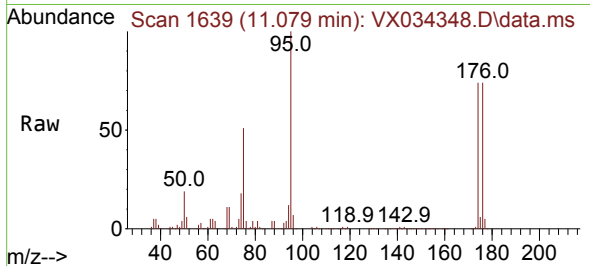




#76
1,2,3-Trichloropropane
Concen: 20.782 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

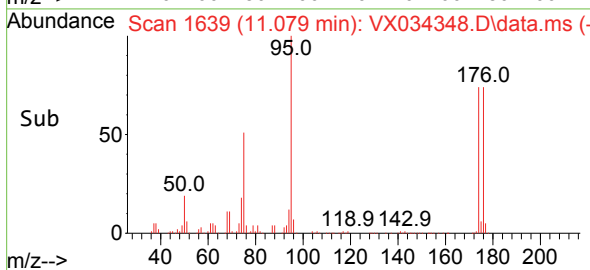
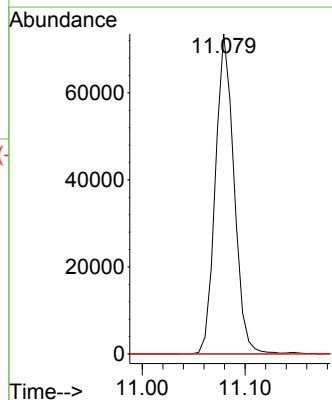
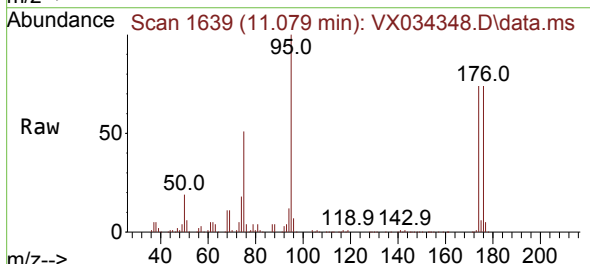
Instrument :
MSVOA_X
ClientSampleId :
TB-2023-3-3

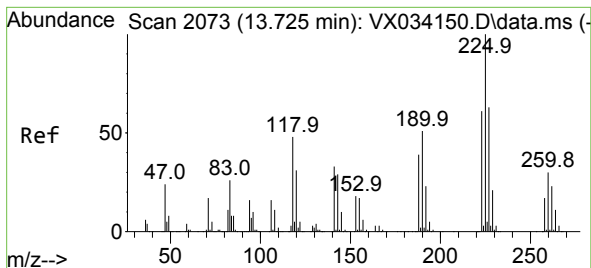
Tgt Ion: 75 Resp: 92374
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034348.D
Acq: 06 Mar 2023 14:36

Tgt Ion: 75 Resp: 92374
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#94

Hexachlorobutadiene

Concen: 0.247 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX034348.D

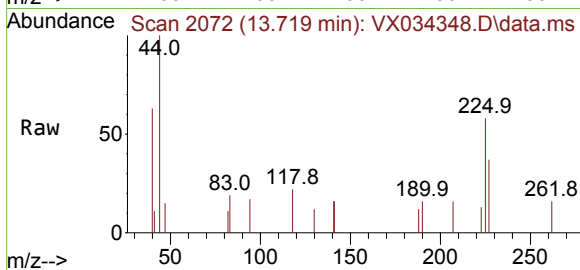
Acq: 06 Mar 2023 14:36

Instrument :

MSVOA_X

ClientSampleId :

TB-2023-3-3



Tgt Ion:225 Resp: 391

Ion Ratio Lower Upper

225 100

223 44.0 31.3 93.9

227 51.9 32.3 96.9

