

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034390.D
 Acq On : 08 Mar 2023 17:53
 Operator : JC/MD
 Sample : 01843-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20230306

Quant Time: Mar 09 04:01:41 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

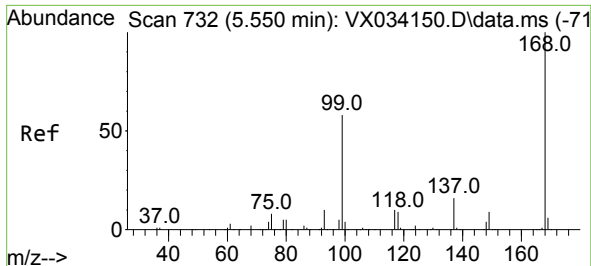
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	252167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	427892	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	163248	48.069	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.140%
35) Dibromofluoromethane	5.385	113	132850	47.685	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.380%
50) Toluene-d8	8.647	98	511685	51.155	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.300%
62) 4-Bromofluorobenzene	11.079	95	175446	45.855	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1506	0.691	ug/l	87
5) Bromomethane	1.611	94	68	Below Cal	#	3
9) 1,1,2-Trichlorotrifluo...	2.331	101	9527	3.501	ug/l	95
12) 1,1-Dichloroethene	2.319	96	1223	0.448	ug/l #	72
13) Acrolein	2.252	56	71	0.205	ug/l #	78
16) Acetone	2.373	43	1616	0.922	ug/l #	80
27) cis-1,2-Dichloroethene	4.495	96	2650	0.783	ug/l	97
31) Cyclohexane	5.550	56	5967	1.177	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	19549	4.745	ug/l #	49
38) Carbon Tetrachloride	5.544	117	24834	5.857	ug/l #	14
39) Methylcyclohexane	7.123	83	3076	0.580	ug/l #	1
44) Trichloroethene	7.123	130	238567	76.137	ug/l	91
49) 1,4-Dioxane	7.671	88	1666	21.657	ug/l #	80
51) 4-Methyl-2-Pentanone	8.647	43	2562	0.573	ug/l #	1
52) Toluene	8.720	92	5931	0.802	ug/l	100
60) Dibromochloromethane	9.275	129	6434	1.950	ug/l #	11
64) Tetrachloroethene	9.275	164	6326	2.326	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	90193	21.896	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	90193	56.248	ug/l #	8

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

Quant Time: Mar 09 04:01:41 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

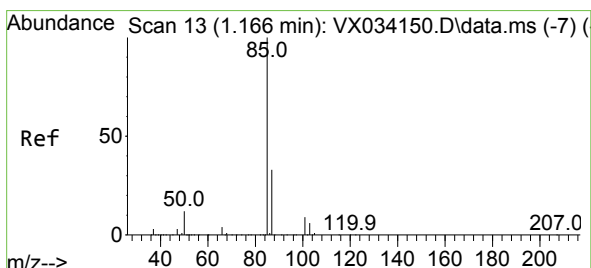
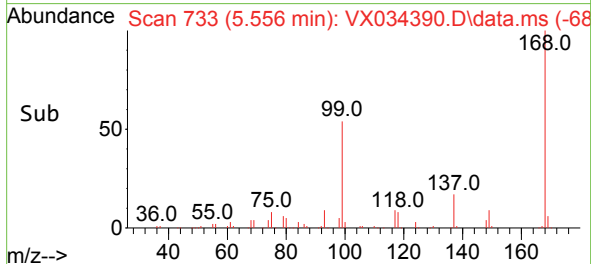
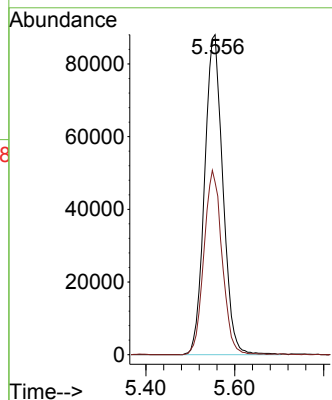
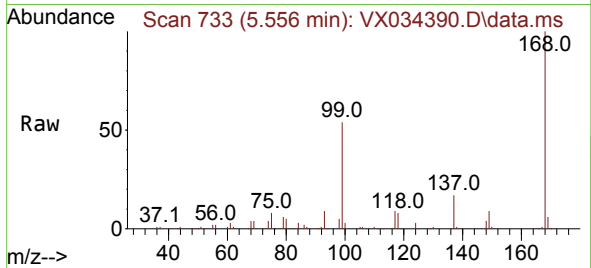




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

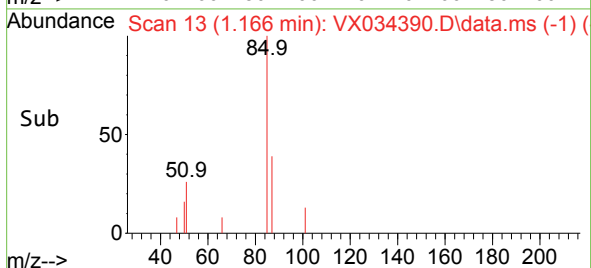
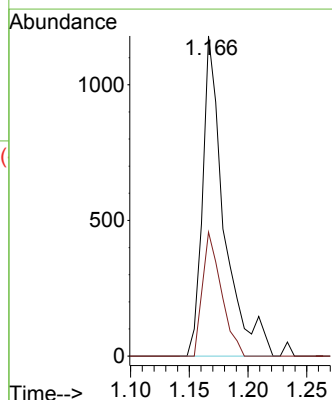
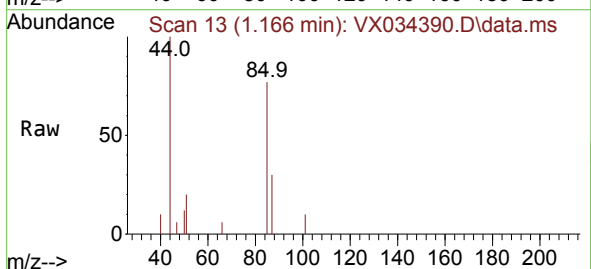
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230306

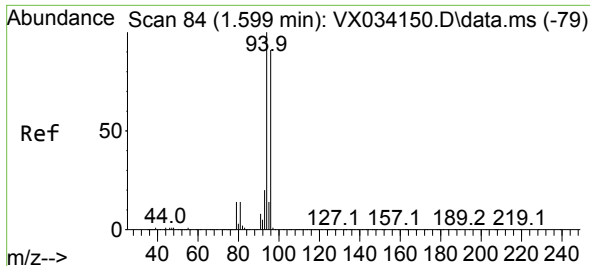
Tgt Ion:168 Resp: 252167
Ion Ratio Lower Upper
168 100
99 53.9 39.6 59.4



#2
Dichlorodifluoromethane
Concen: 0.691 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion: 85 Resp: 1506
Ion Ratio Lower Upper
85 100
87 38.7 15.8 47.4

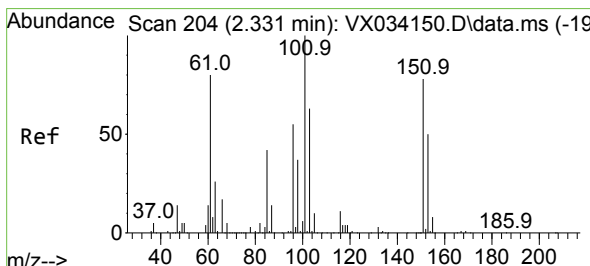
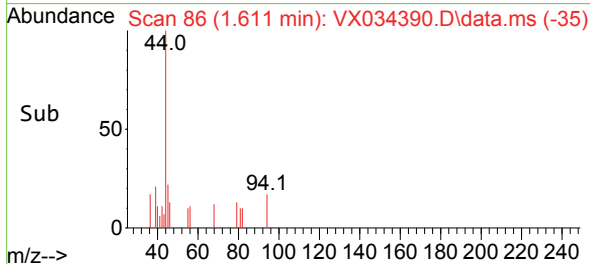
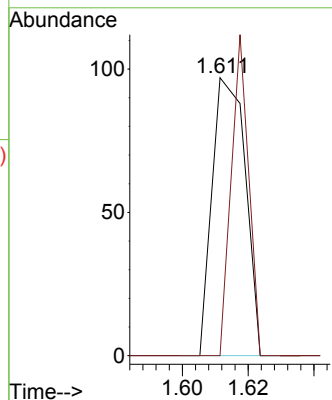
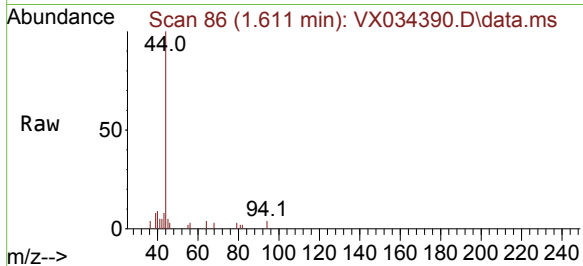




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

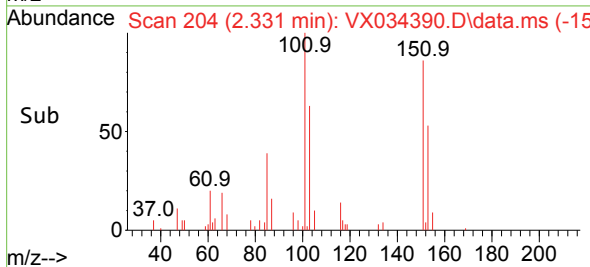
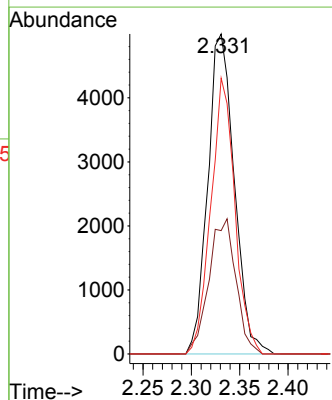
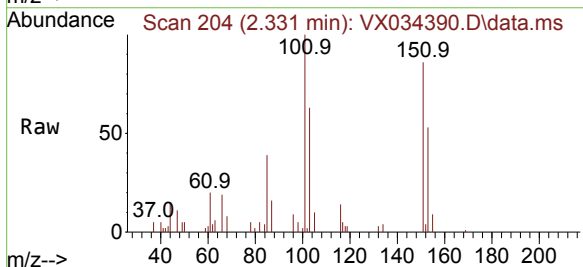
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230306

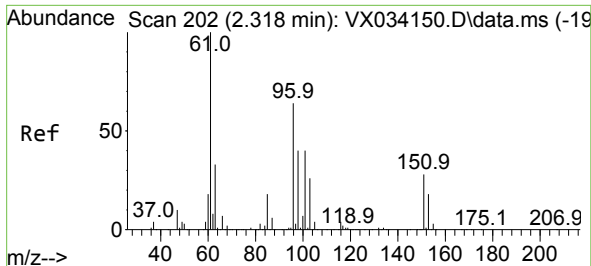
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.501 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion: 101 Resp: 9527
Ion Ratio Lower Upper
101 100
85 43.1 36.7 55.1
151 78.0 66.5 99.7





#12

1,1-Dichloroethene

Concen: 0.448 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX034390.D

Acq: 08 Mar 2023 17:53

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20230306

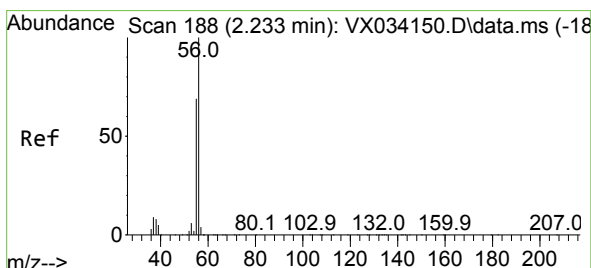
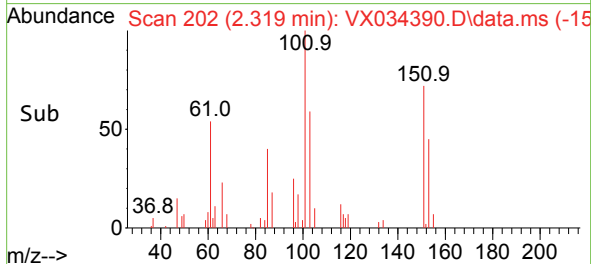
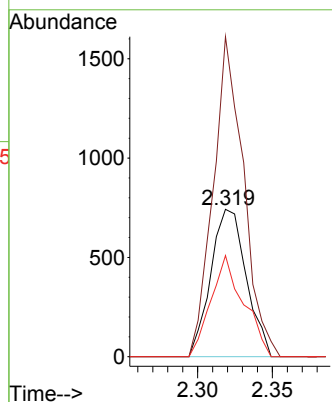
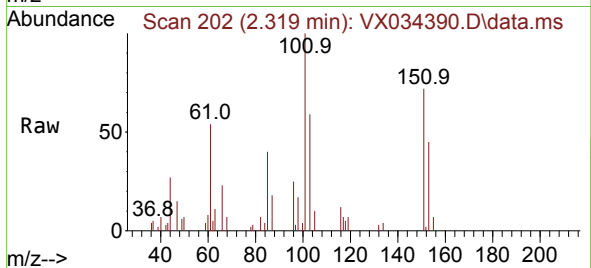
Tgt Ion: 96 Resp: 1223

Ion Ratio Lower Upper

96 100

61 217.1 134.2 201.4#

98 68.6 50.2 75.2



#13

Acrolein

Concen: 0.205 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.018 min

Lab File: VX034390.D

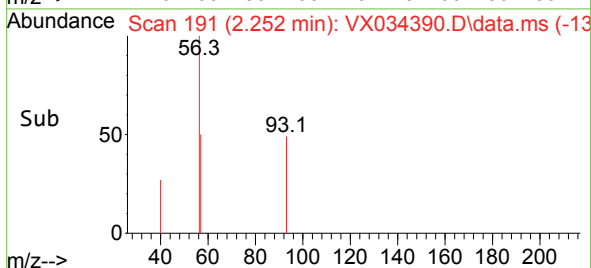
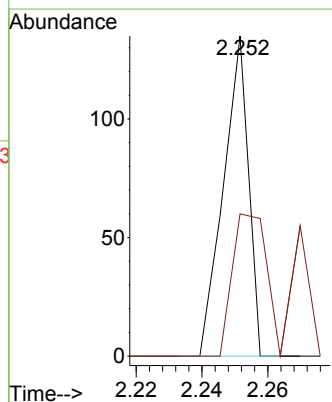
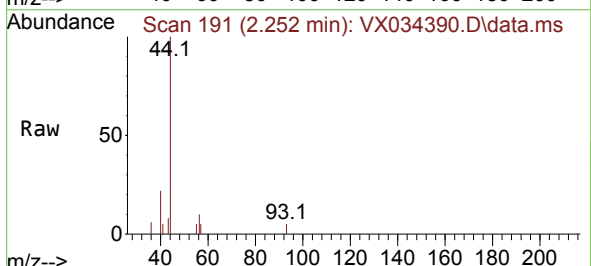
Acq: 08 Mar 2023 17:53

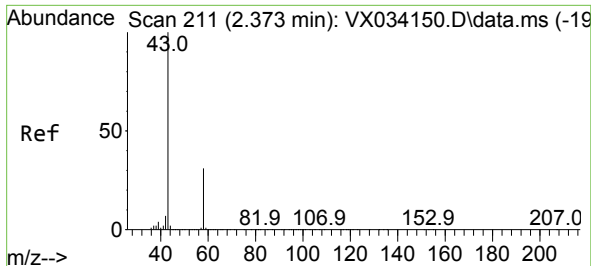
Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 88.7 56.3 84.5#

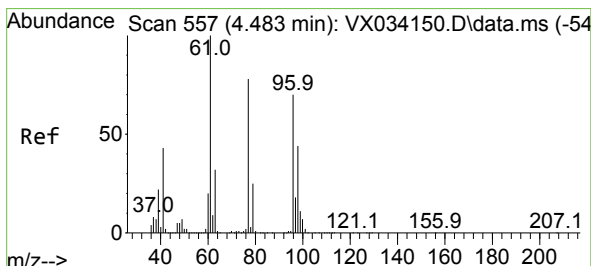
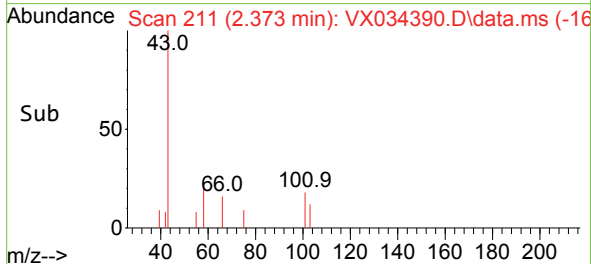
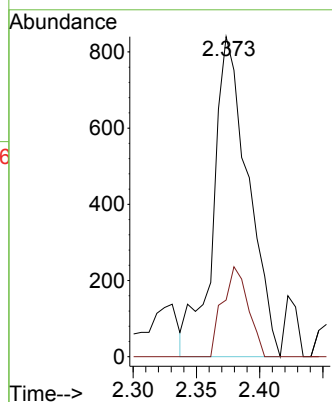
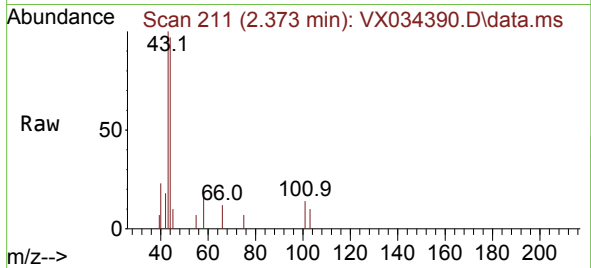




#16
Acetone
Concen: 0.922 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

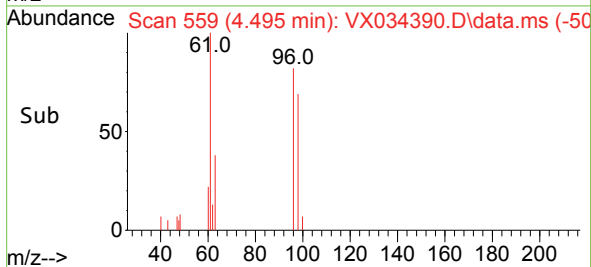
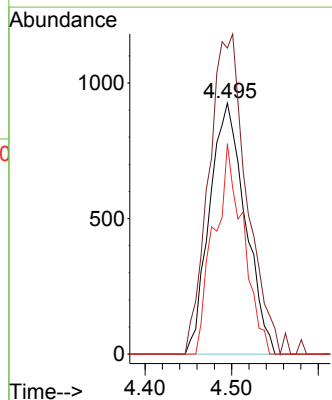
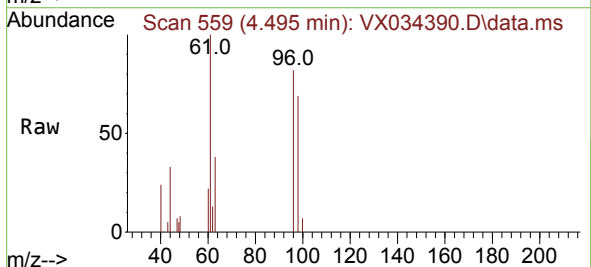
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230306

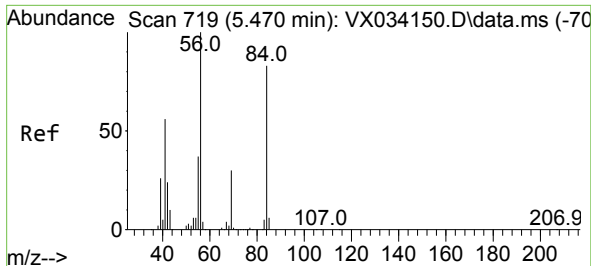
Tgt Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
58 17.7 22.6 33.8#



#27
cis-1,2-Dichloroethene
Concen: 0.783 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion: 96 Resp: 2650
Ion Ratio Lower Upper
96 100
61 136.3 0.0 277.6
98 68.7 0.0 128.0

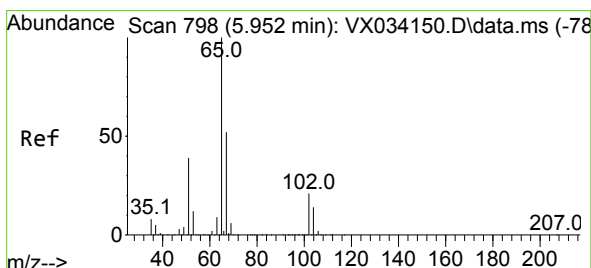
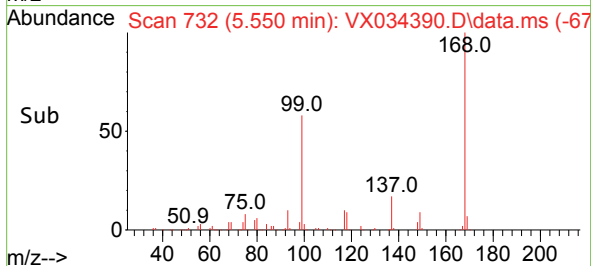
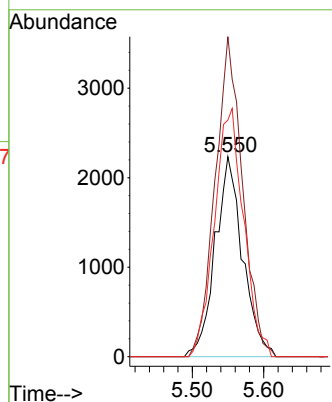
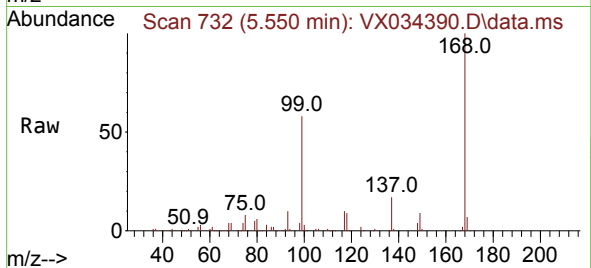




#31
Cyclohexane
Concen: 1.177 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

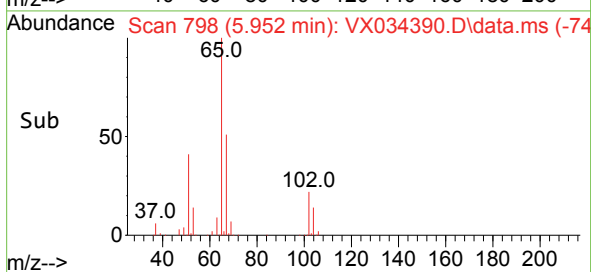
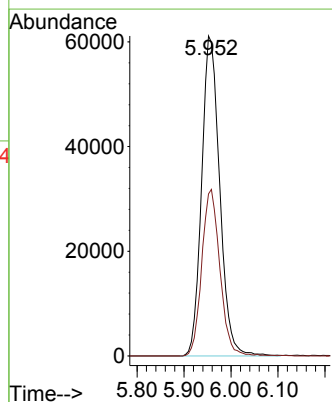
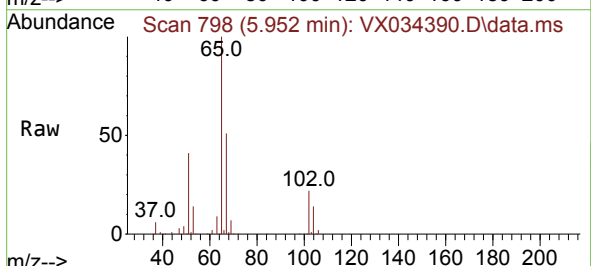
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ClientSampleId :
RE132D3-20230306

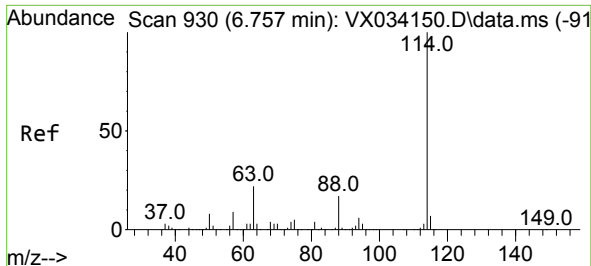
Tgt Ion: 56 Resp: 5967
Ion Ratio Lower Upper
56 100
69 159.9 24.6 37.0#
84 118.2 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 48.069 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion: 65 Resp: 163248
Ion Ratio Lower Upper
65 100
67 52.2 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: VX034390.D

Acq: 08 Mar 2023 17:53

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20230306

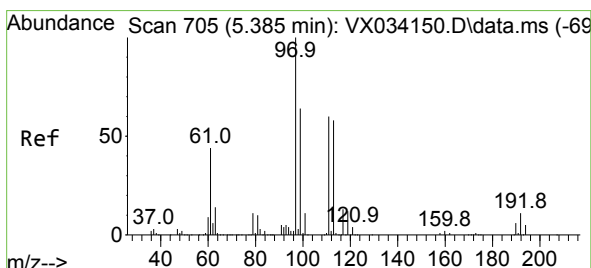
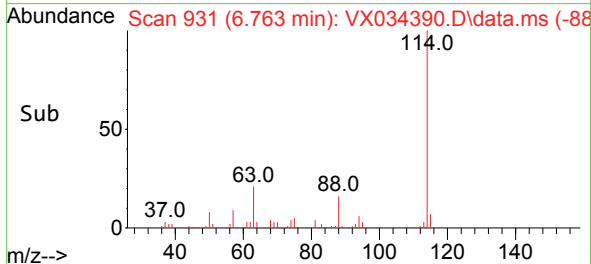
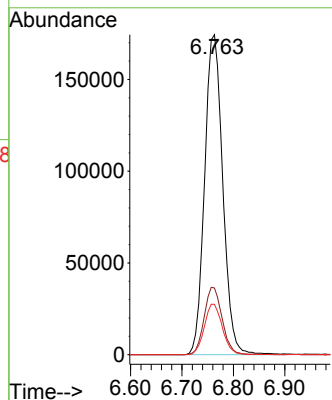
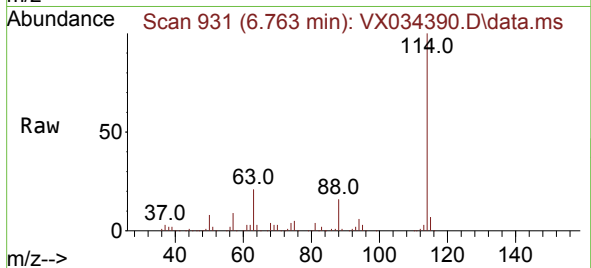
Tgt Ion:114 Resp: 427892

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.685 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX034390.D

Acq: 08 Mar 2023 17:53

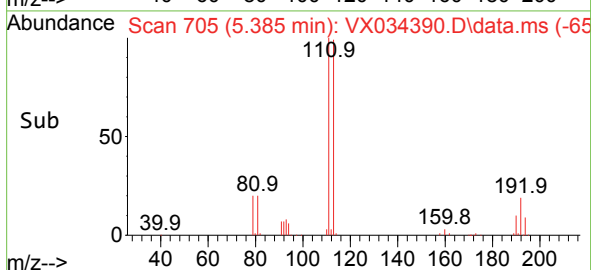
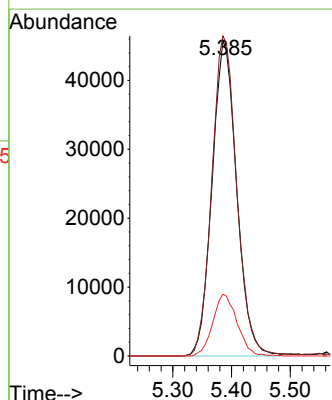
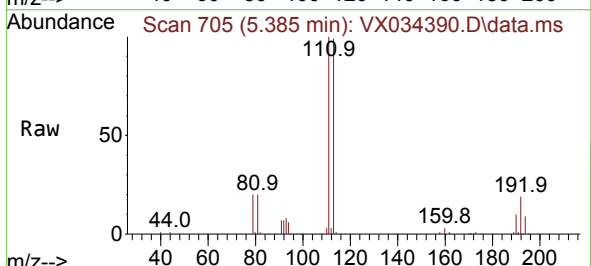
Tgt Ion:113 Resp: 132850

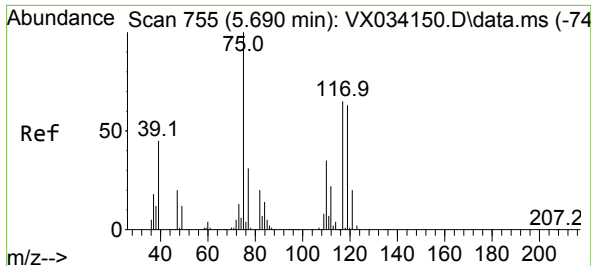
Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

192 19.4 19.0 28.4

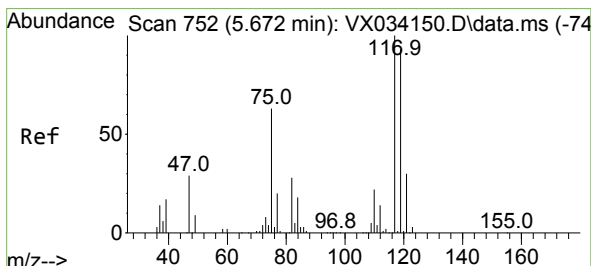
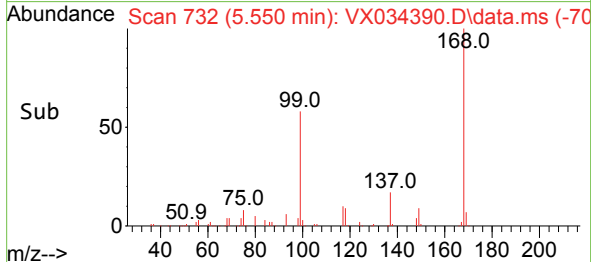
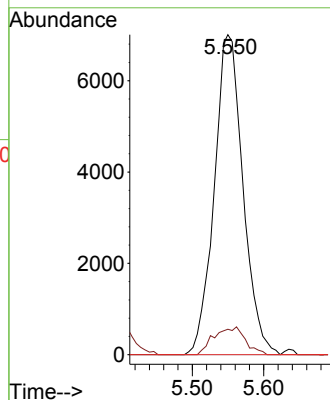
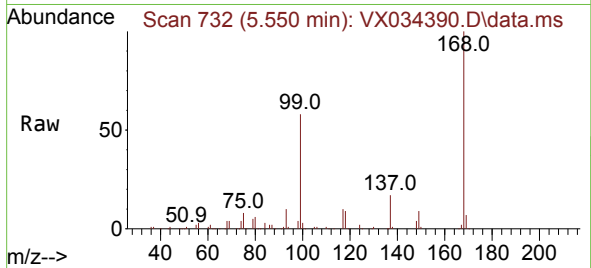




#36
1,1-Dichloropropene
Concen: 4.745 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

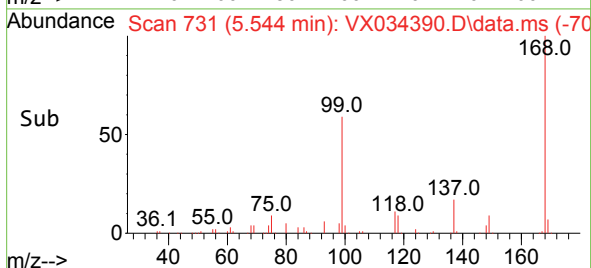
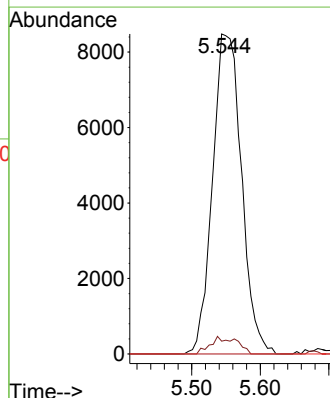
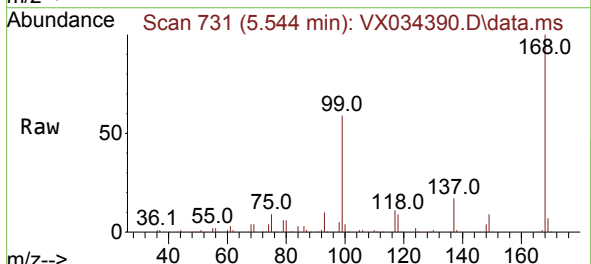
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230306

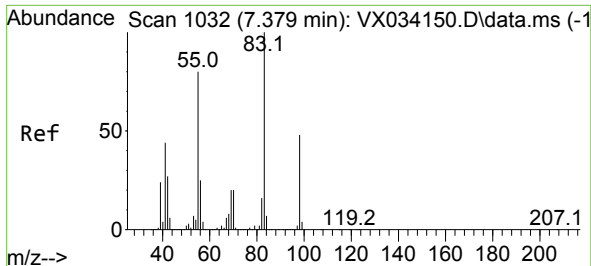
Tgt Ion: 75 Resp: 19549
Ion Ratio Lower Upper
75 100
110 9.4 18.8 56.4#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion: 117 Resp: 24834
Ion Ratio Lower Upper
117 100
119 4.0 78.0 117.0#
121 0.0 24.4 36.6#

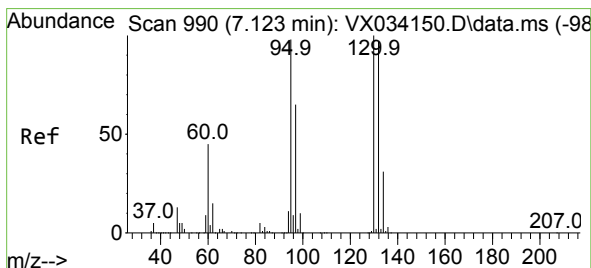
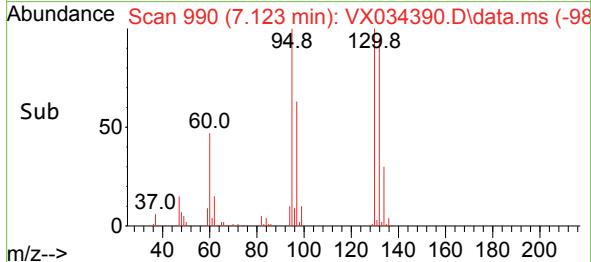
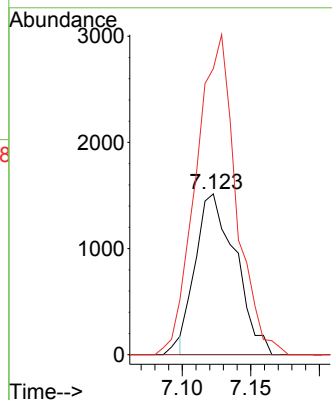
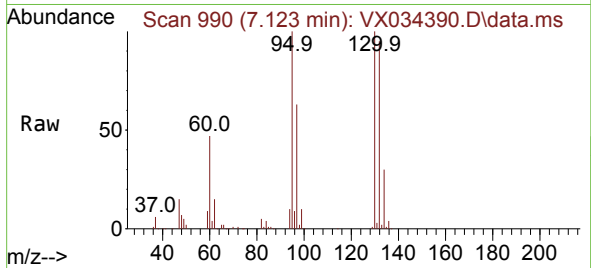




#39
Methylcyclohexane
Concen: 0.580 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

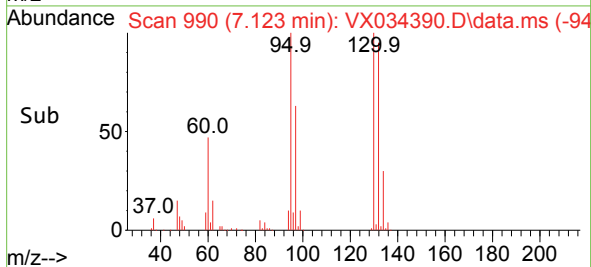
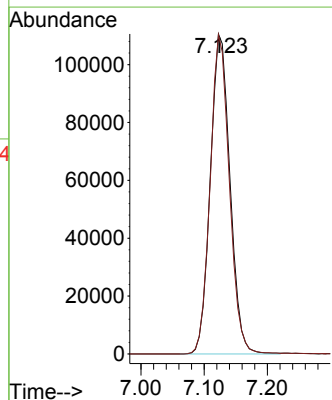
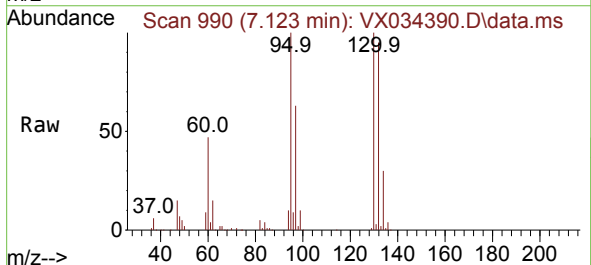
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230306

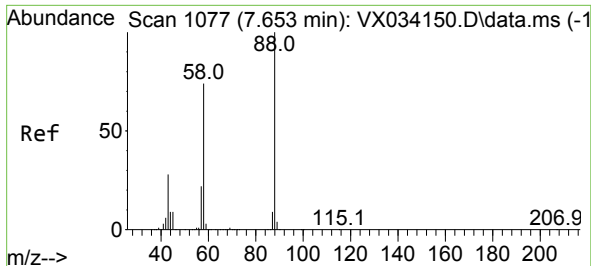
Tgt Ion: 83 Resp: 3076
Ion Ratio Lower Upper
83 100
55 0.0 61.8 92.6#
98 173.4 39.3 58.9#



#44
Trichloroethene
Concen: 76.137 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion:130 Resp: 238567
Ion Ratio Lower Upper
130 100
95 99.8 0.0 182.6

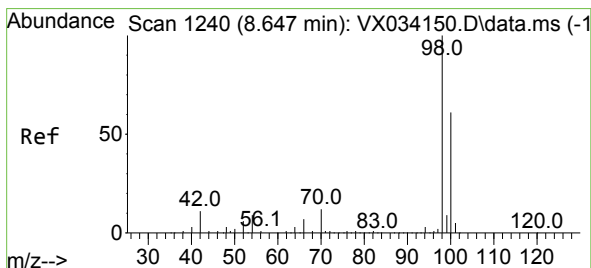
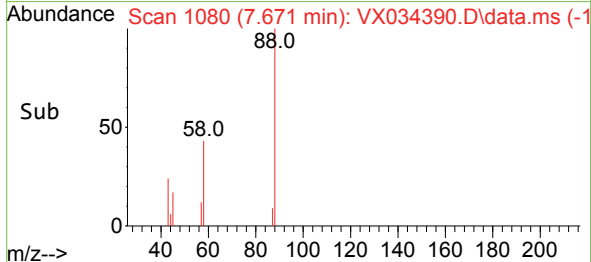
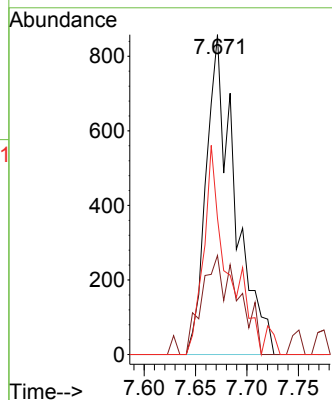
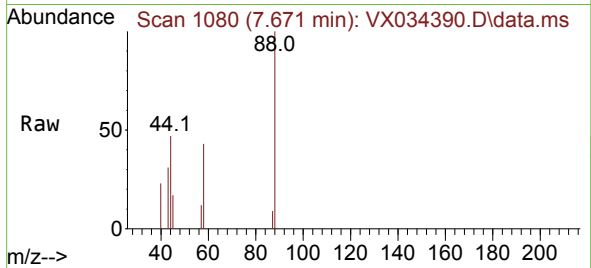




#49
1,4-Dioxane
Concen: 21.657 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

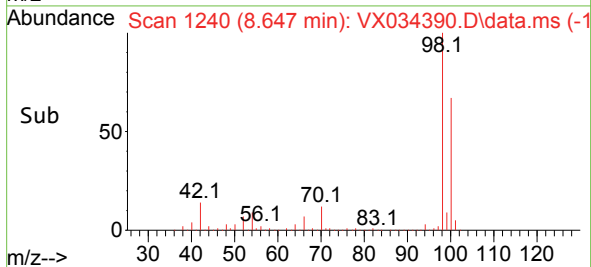
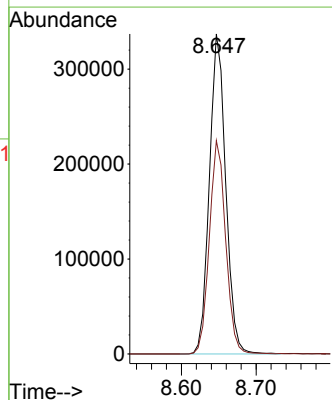
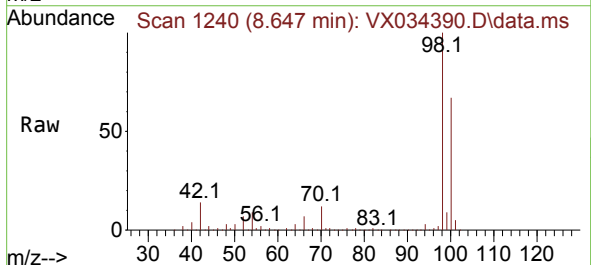
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230306

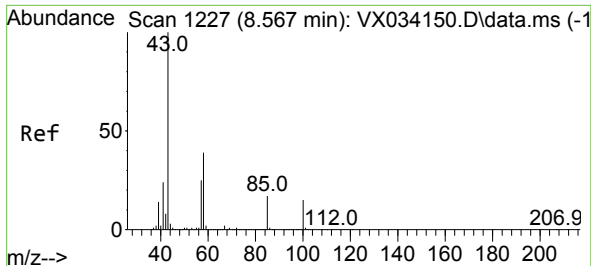
Tgt Ion: 88 Resp: 1666
Ion Ratio Lower Upper
88 100
43 39.7 0.0 0.0#
58 54.1 56.5 84.7#



#50
Toluene-d8
Concen: 51.155 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion: 98 Resp: 511685
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4

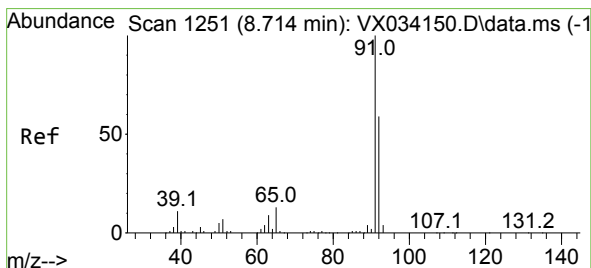
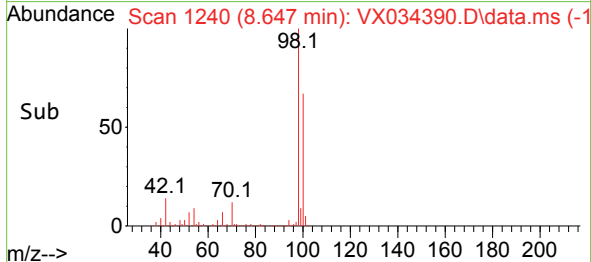
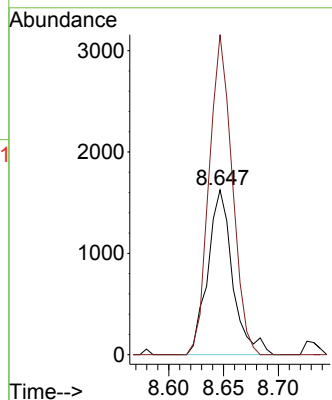
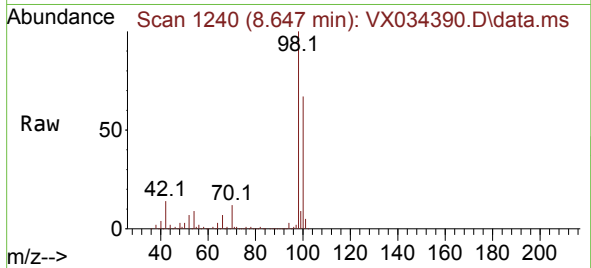




#51
4-Methyl-2-Pentanone
Concen: 0.573 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

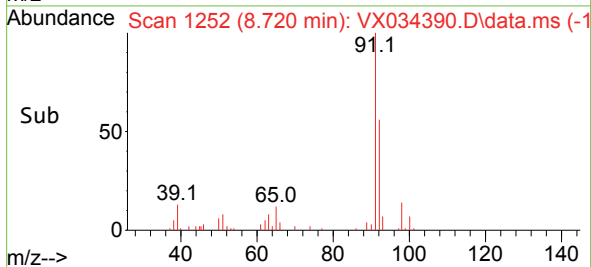
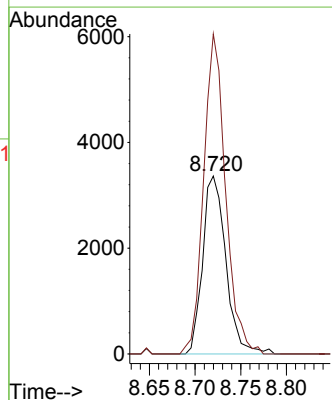
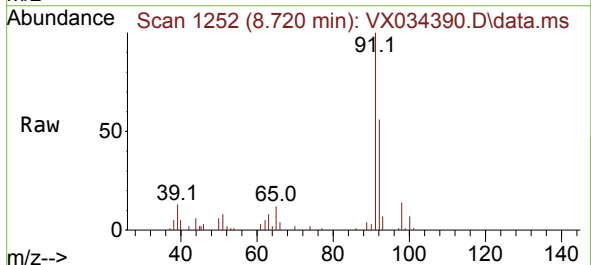
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230306

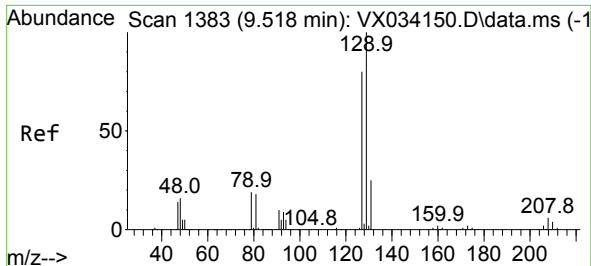
Tgt Ion: 43 Resp: 2562
Ion Ratio Lower Upper
43 100
58 180.7 31.2 46.8#



#52
Toluene
Concen: 0.802 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion: 92 Resp: 5931
Ion Ratio Lower Upper
92 100
91 169.9 135.5 203.3

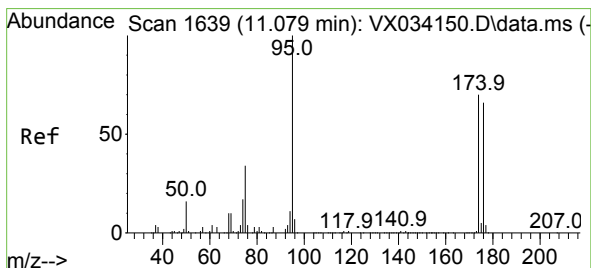
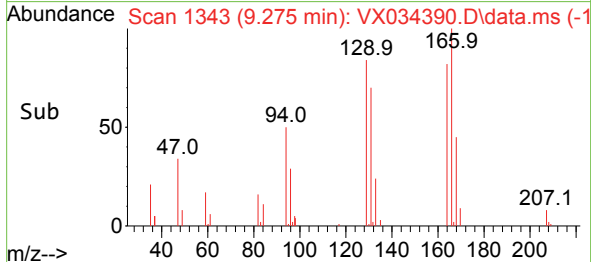
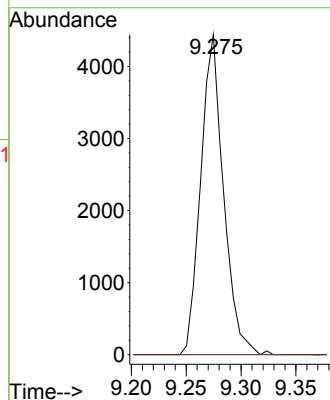
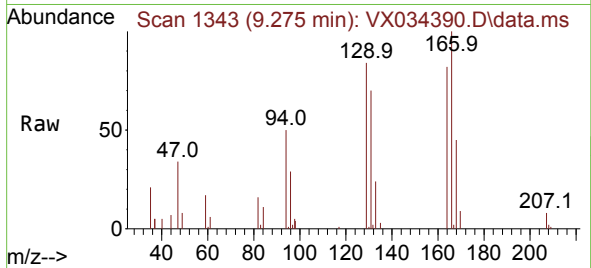




#60
Dibromochloromethane
Concen: 1.950 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

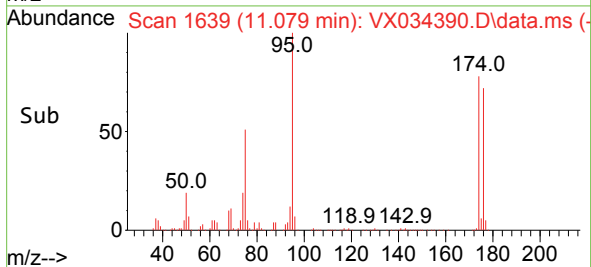
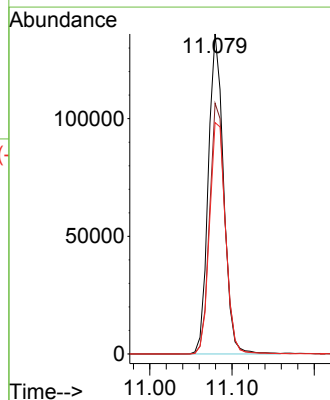
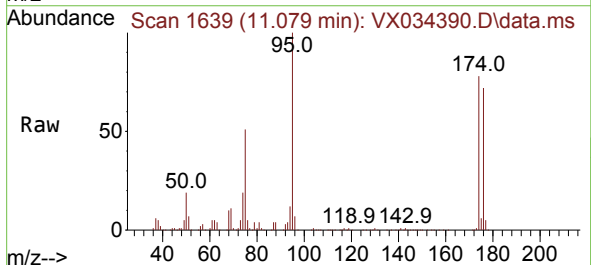
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20230306

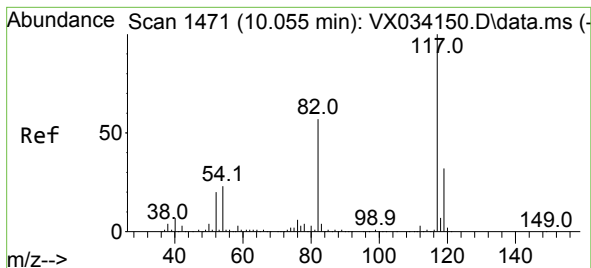
Tgt Ion:129 Resp: 6434
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 45.855 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034390.D
Acq: 08 Mar 2023 17:53

Tgt Ion: 95 Resp: 175446
Ion Ratio Lower Upper
95 100
174 79.7 0.0 184.4
176 75.9 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: VX034390.D

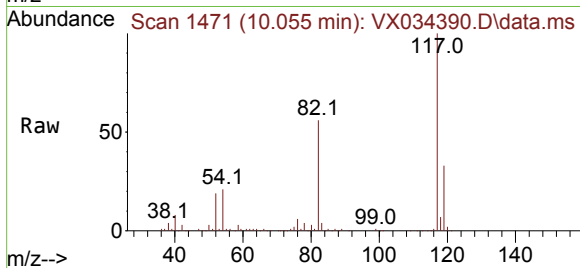
Acq: 08 Mar 2023 17:53

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20230306



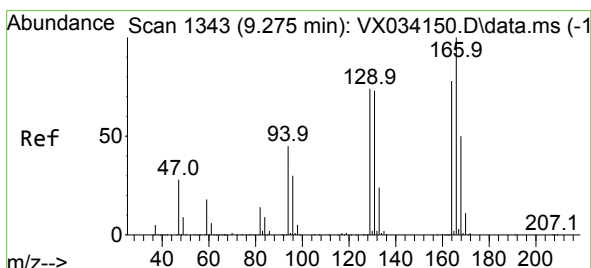
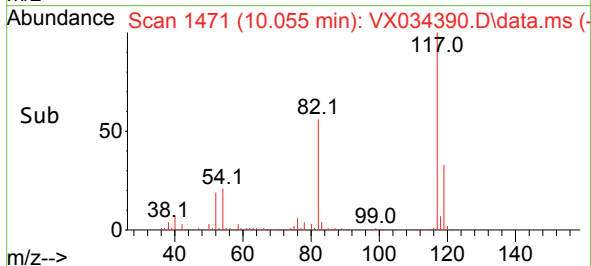
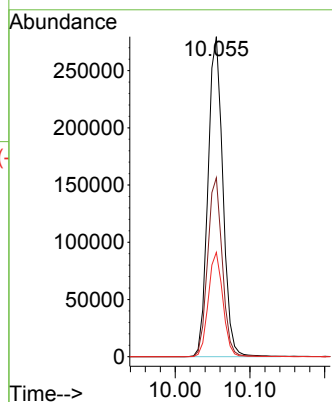
Tgt Ion:117 Resp: 385346

Ion Ratio Lower Upper

117 100

82 55.9 40.6 60.8

119 32.6 25.6 38.4



#64

Tetrachloroethene

Concen: 2.326 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX034390.D

Acq: 08 Mar 2023 17:53

Tgt Ion:164 Resp: 6326

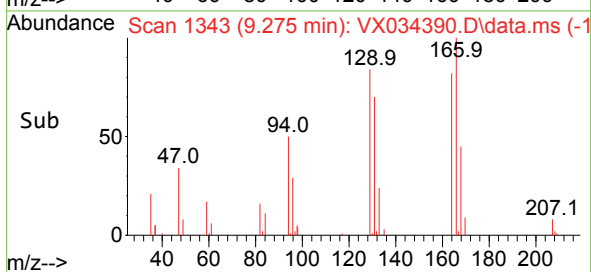
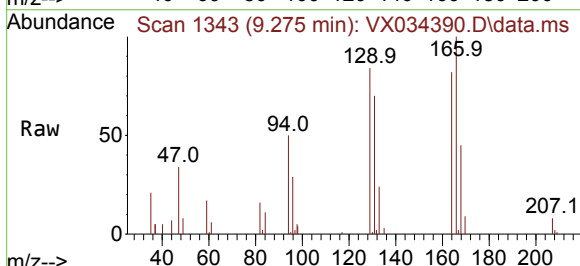
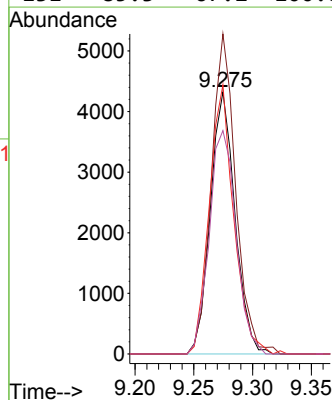
Ion Ratio Lower Upper

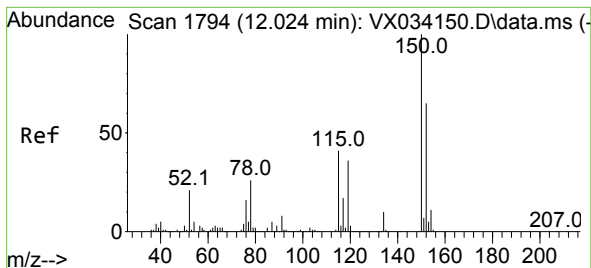
164 100

166 122.2 100.2 150.2

129 102.7 69.2 103.8

131 85.3 67.2 100.8

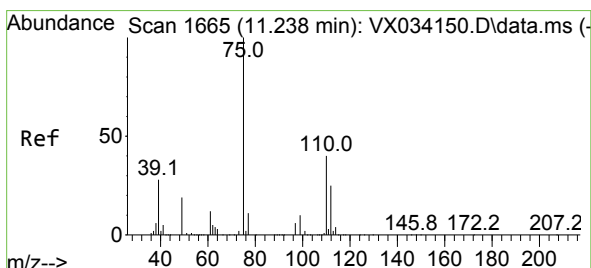
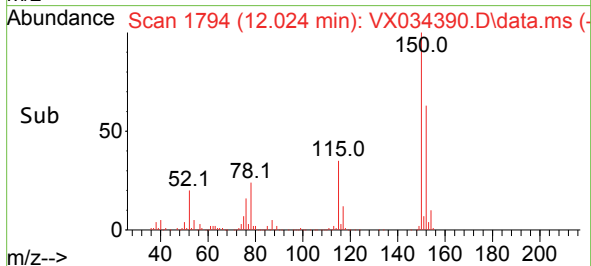
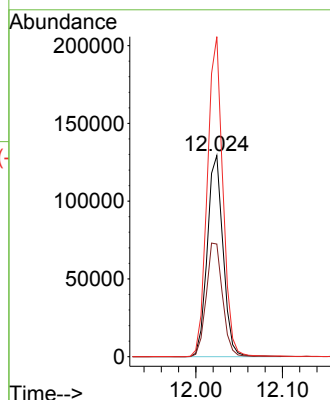
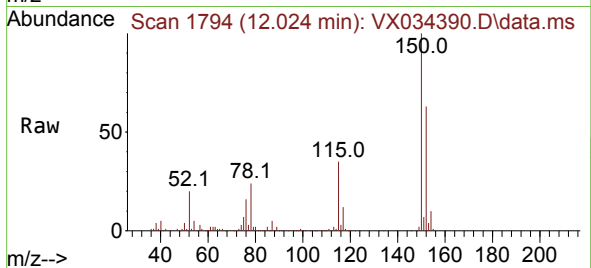




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034390.D
 Acq: 08 Mar 2023 17:53

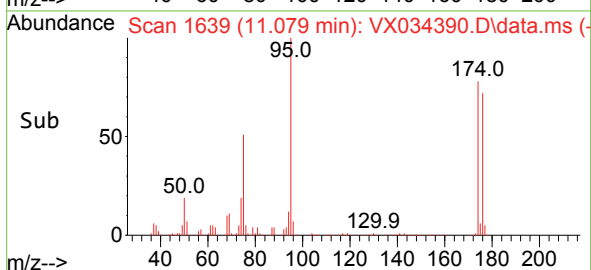
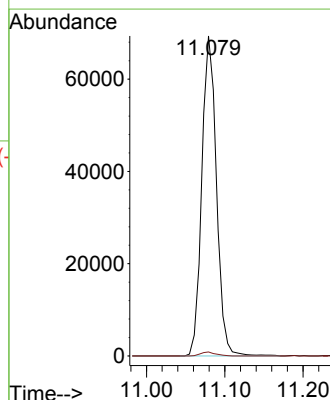
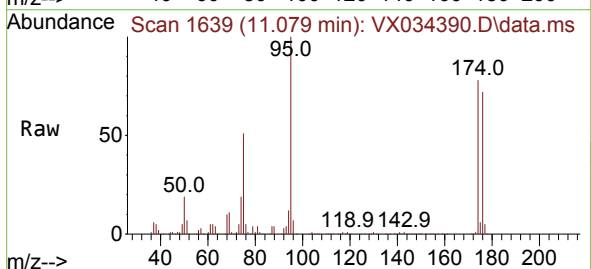
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20230306

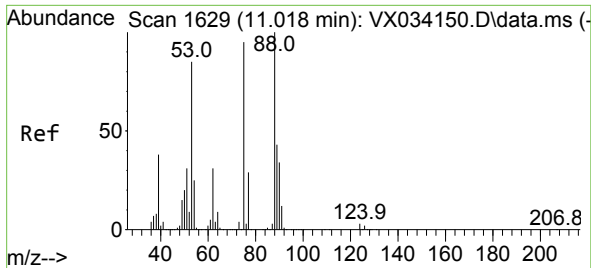
Tgt Ion:152 Resp: 163702
 Ion Ratio Lower Upper
 152 100
 115 58.5 38.7 116.1
 150 157.2 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 21.896 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034390.D
 Acq: 08 Mar 2023 17:53

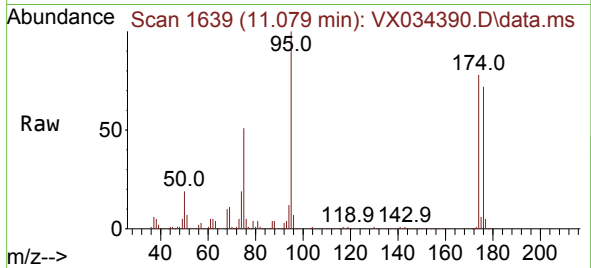
Tgt Ion: 75 Resp: 90193
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.248 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034390.D
 Acq: 08 Mar 2023 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20230306



Tgt Ion: 75 Resp: 90193
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

