

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040522.D
 Acq On : 28 Feb 2024 19:29
 Operator : JC/MD
 Sample : P1615-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20240226

Quant Time: Feb 29 03:54:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

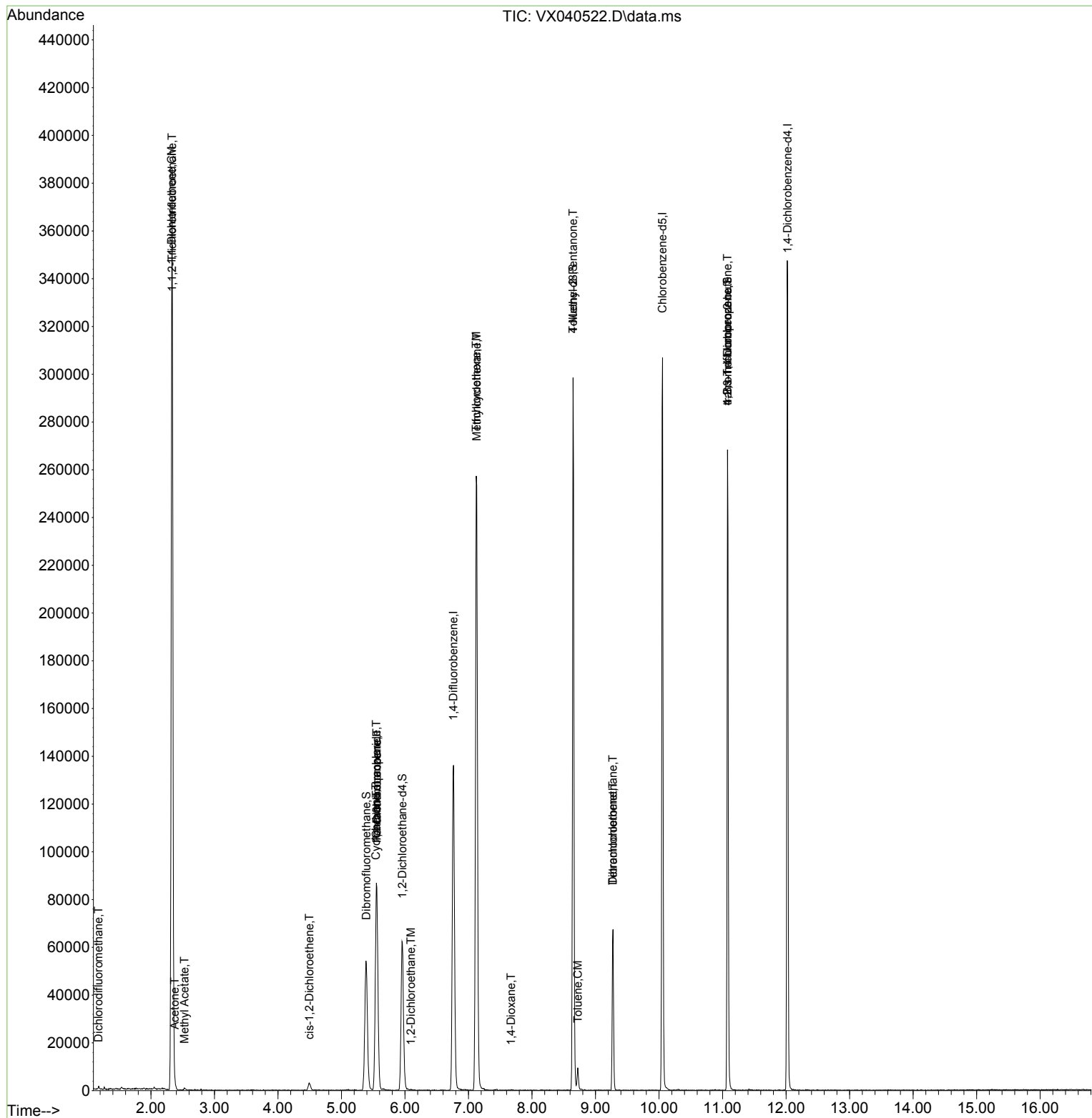
Internal Standards						
1) Pentafluorobenzene	5.556	168	76187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	133173	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62859	49.329	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.660%		
35) Dibromofluoromethane	5.391	113	45869	49.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.060%		
50) Toluene-d8	8.647	98	165439	49.215	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.440%		
62) 4-Bromofluorobenzene	11.079	95	68522	53.475	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.940%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	240	0.253	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	143116	165.534	ug/l	99
12) 1,1-Dichloroethene	2.325	96	1187	1.367	ug/l #	70
16) Acetone	2.374	43	1088	2.618	ug/l	94
18) Methyl Acetate	2.526	43	279	0.218	ug/l #	53
27) cis-1,2-Dichloroethene	4.495	96	1971	1.820	ug/l	86
31) Cyclohexane	5.544	56	2001	1.386	ug/l #	42
36) 1,1-Dichloropropene	5.556	75	7201	5.047	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8688	6.303	ug/l #	16
39) Methylcyclohexane	7.129	83	1273	0.826	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	376	0.235	ug/l #	77
44) Trichloroethene	7.123	130	93060	89.577	ug/l	93
49) 1,4-Dioxane	7.671	88	226	9.756	ug/l #	25
51) 4-Methyl-2-Pentanone	8.647	43	722	0.446	ug/l #	1
52) Toluene	8.720	92	3139	1.324	ug/l	92
60) Dibromochloromethane	9.275	129	11529	10.789	ug/l #	11
64) Tetrachloroethene	9.275	164	10850	12.076	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	38939	25.841	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	38939	75.258	ug/l #	5

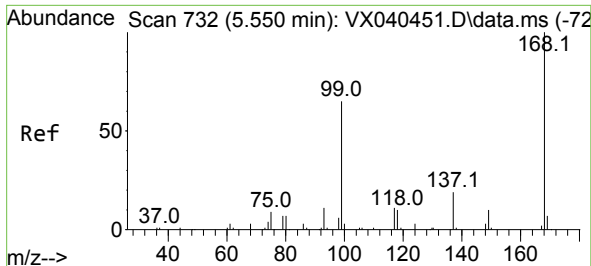
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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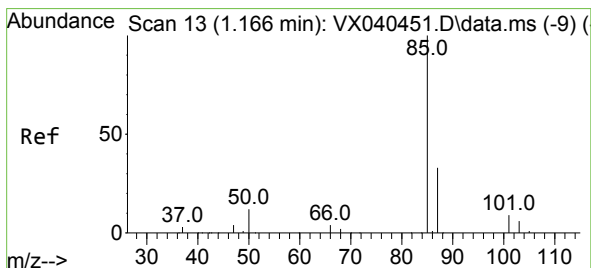
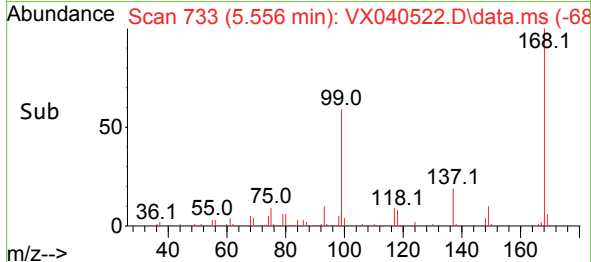
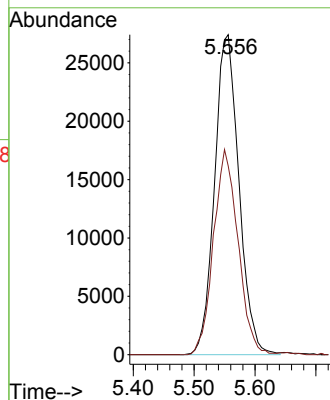
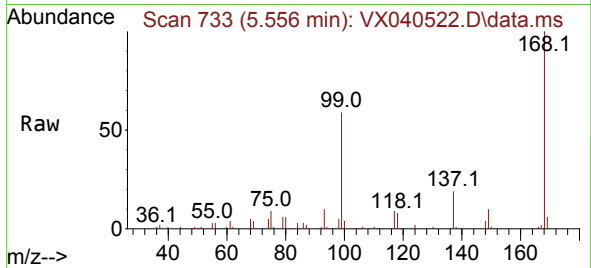




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

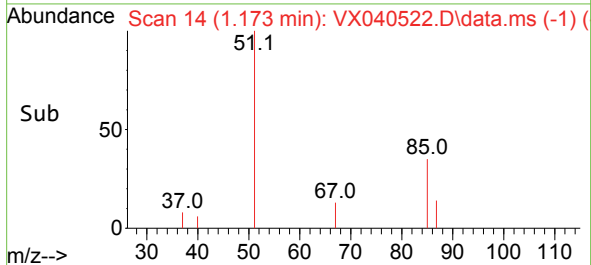
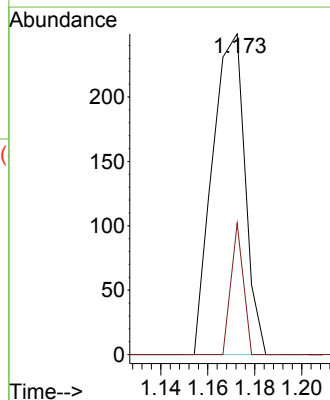
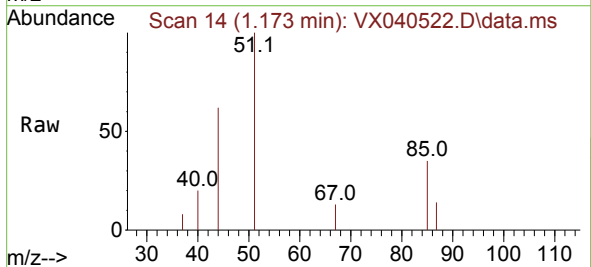
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MSVOA_X
ClientSampleId :
RE125D3-20240226

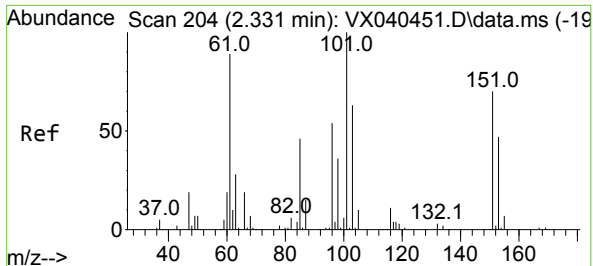
Tgt Ion:168 Resp: 76187
Ion Ratio Lower Upper
168 100
99 59.0 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.253 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion: 85 Resp: 240
Ion Ratio Lower Upper
85 100
87 41.0 16.7 50.1

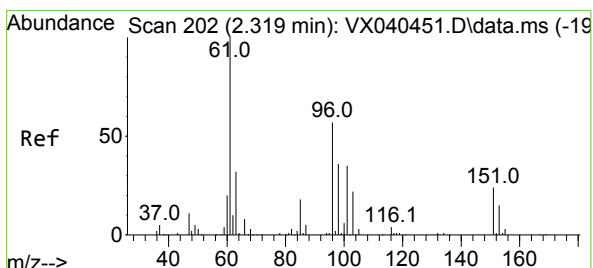
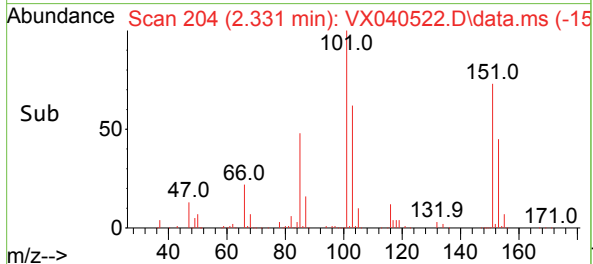
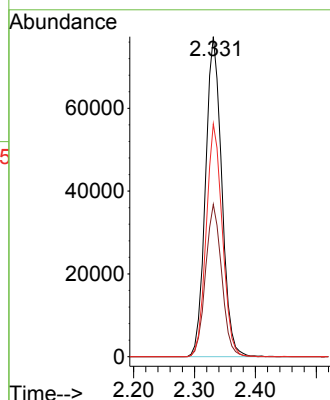
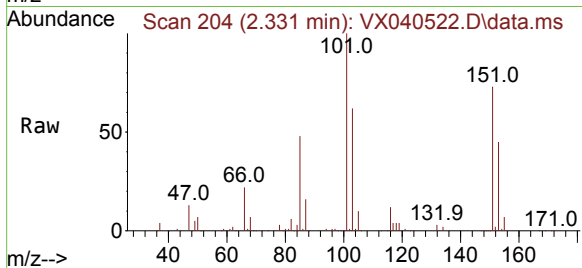




#9
1,1,2-Trichlorotrifluoroethane
Concen: 165.534 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

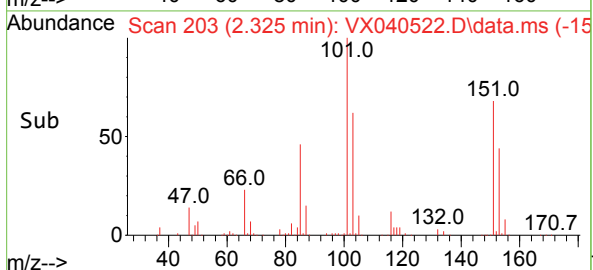
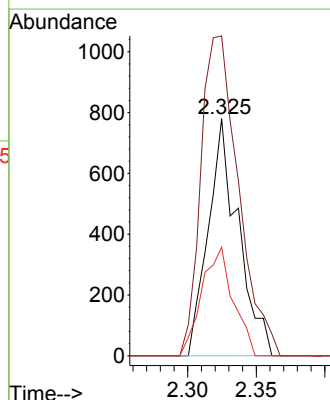
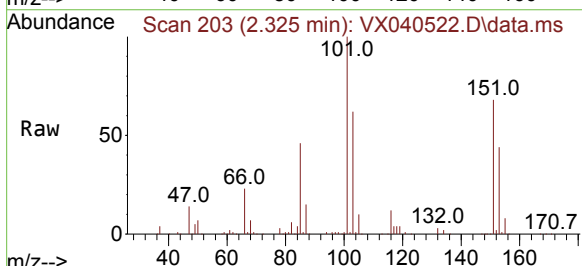
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226

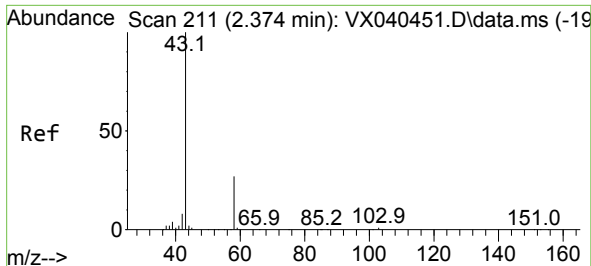
Tgt Ion:101 Resp: 143116
Ion Ratio Lower Upper
101 100
85 47.3 37.0 55.6
151 72.0 58.6 87.8



#12
1,1-Dichloroethene
Concen: 1.367 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion: 96 Resp: 1187
Ion Ratio Lower Upper
96 100
61 134.9 144.6 216.8#
98 45.8 50.4 75.6#

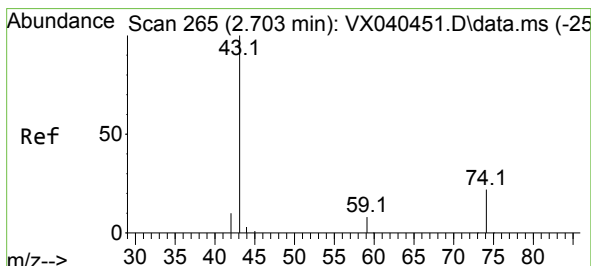
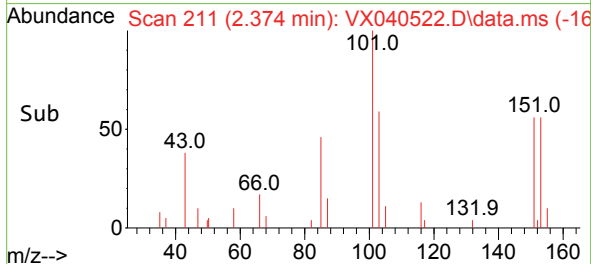
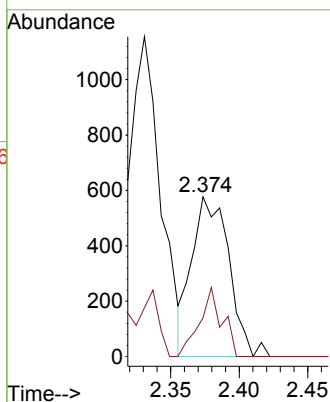
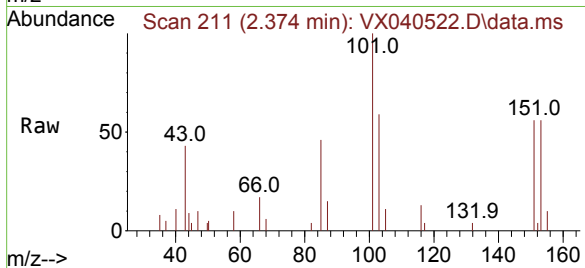




#16
Acetone
Concen: 2.618 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

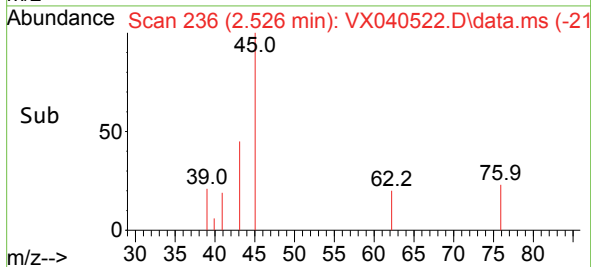
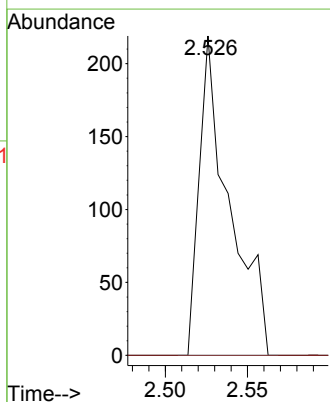
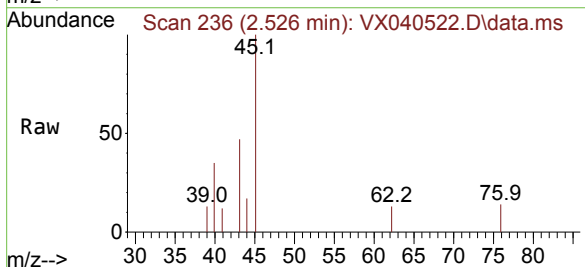
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226

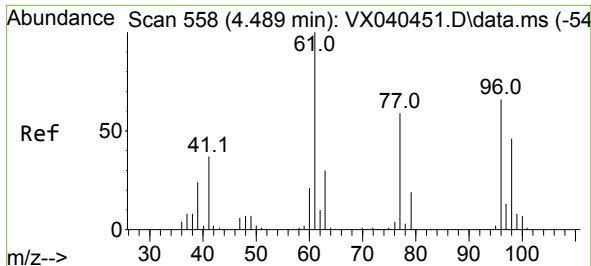
Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
58 24.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.177 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#





#27

cis-1,2-Dichloroethene

Concen: 1.820 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX040522.D

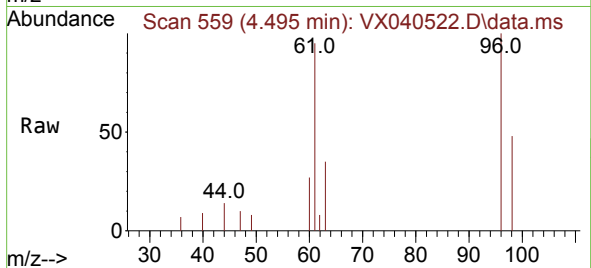
Acq: 28 Feb 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20240226



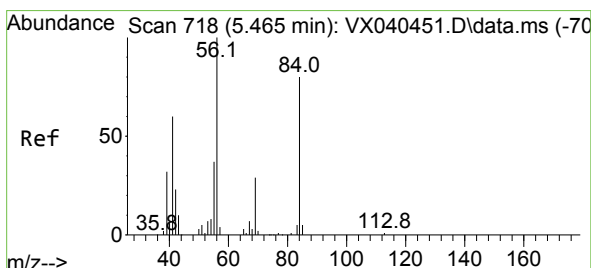
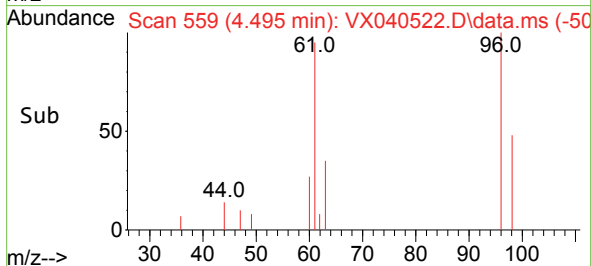
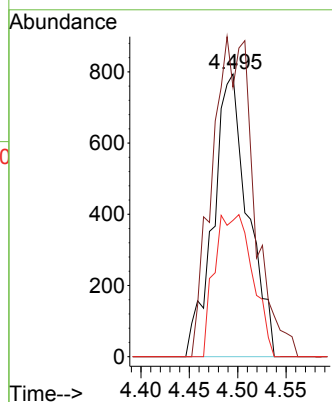
Tgt Ion: 96 Resp: 1971

Ion Ratio Lower Upper

96 100

61 137.0 0.0 312.2

98 55.6 0.0 129.0



#31

Cyclohexane

Concen: 1.386 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX040522.D

Acq: 28 Feb 2024 19:29

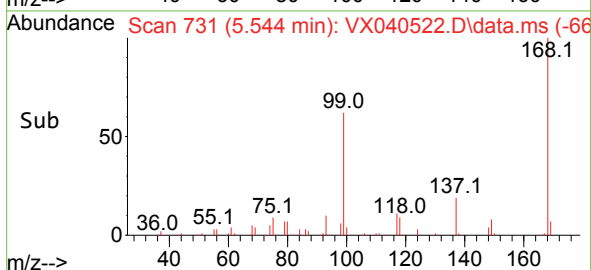
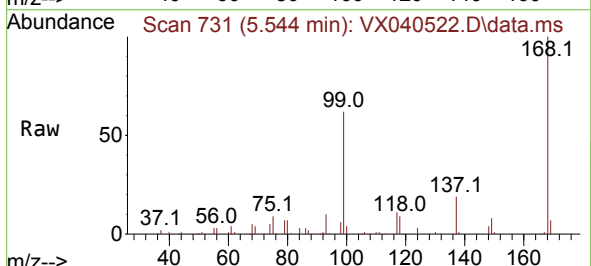
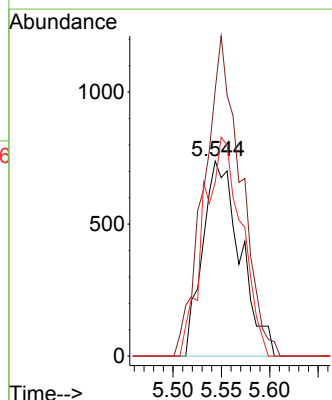
Tgt Ion: 56 Resp: 2001

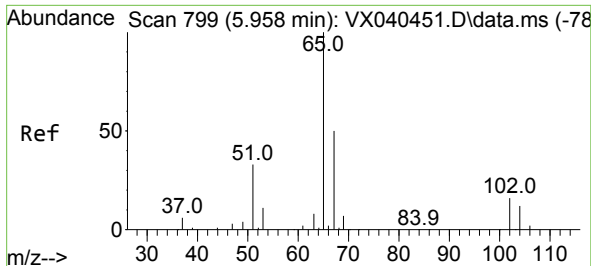
Ion Ratio Lower Upper

56 100

69 136.7 23.4 35.2#

84 89.0 65.9 98.9

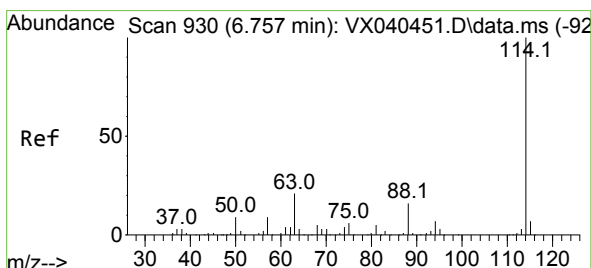
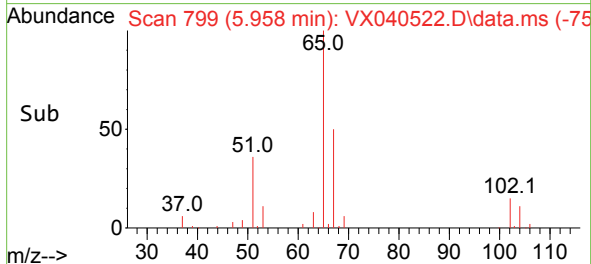
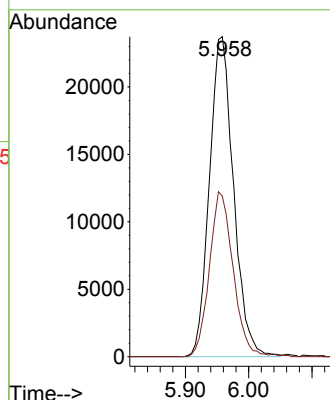
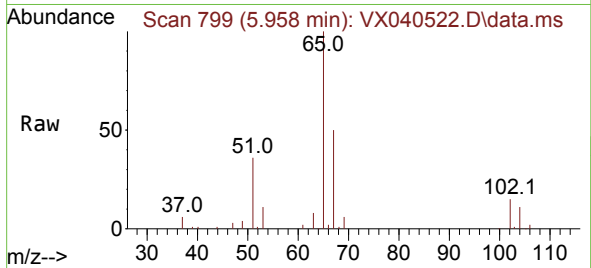




#33
1,2-Dichloroethane-d4
Concen: 49.329 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

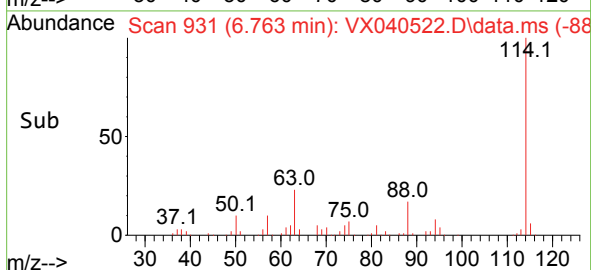
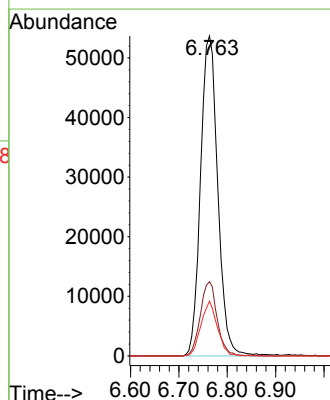
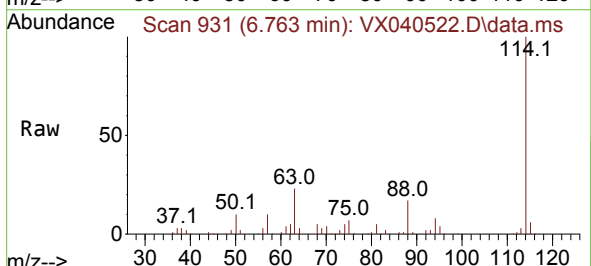
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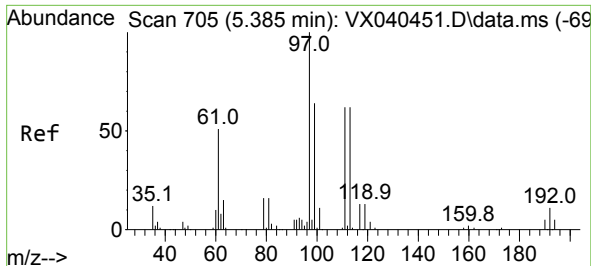
Tgt Ion: 65 Resp: 62859
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion: 114 Resp: 133173
Ion Ratio Lower Upper
114 100
63 23.2 0.0 45.0
88 17.1 0.0 36.6

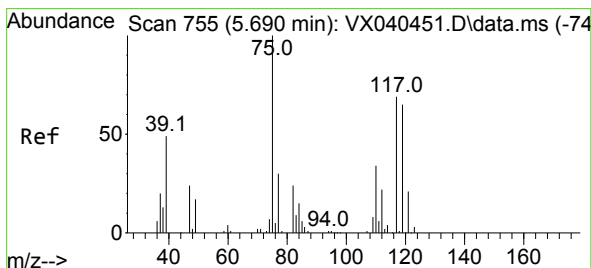
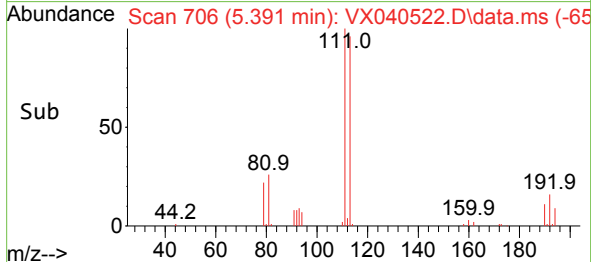
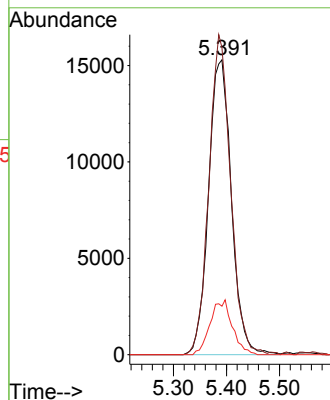
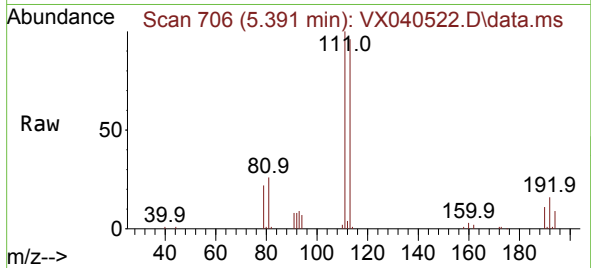




#35
Dibromofluoromethane
Concen: 49.530 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

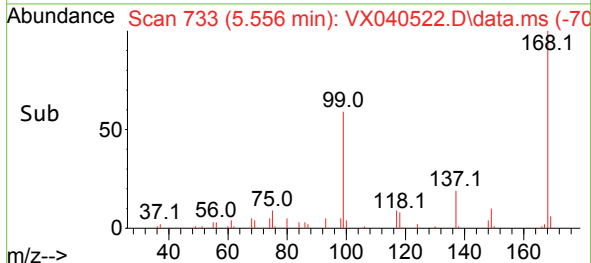
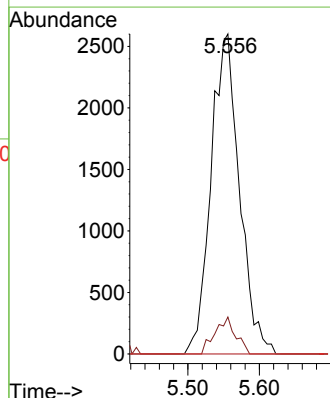
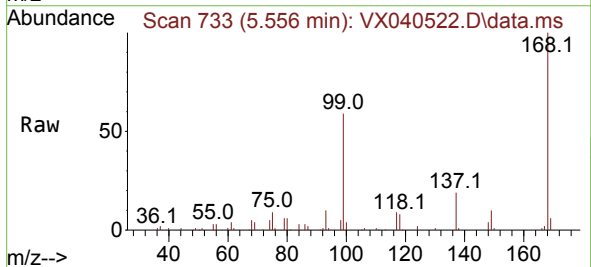
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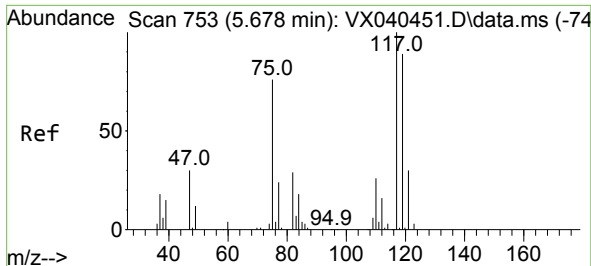
Tgt Ion:113 Resp: 45869
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.047 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion: 75 Resp: 7201
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#

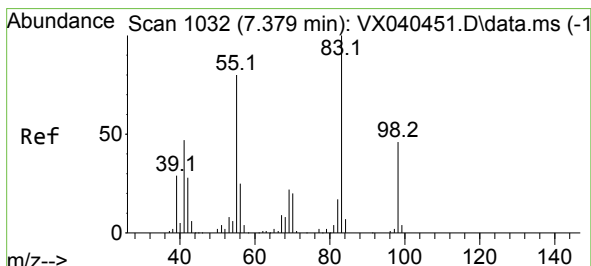
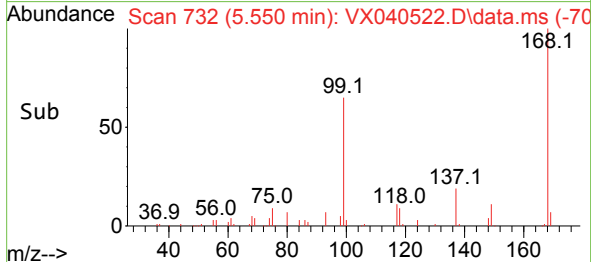
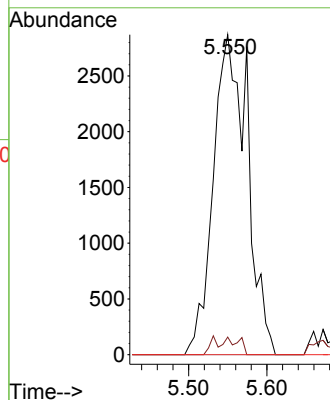
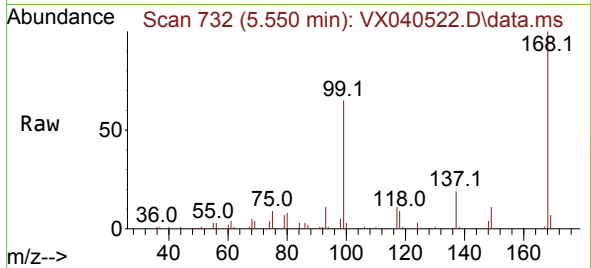




#38
Carbon Tetrachloride
Concen: 6.303 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

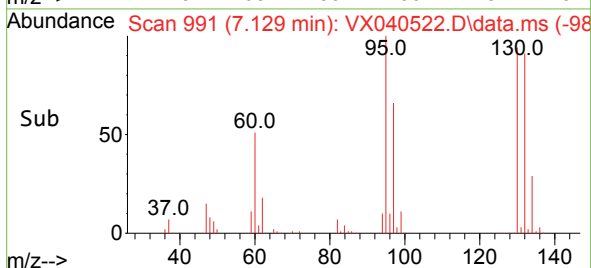
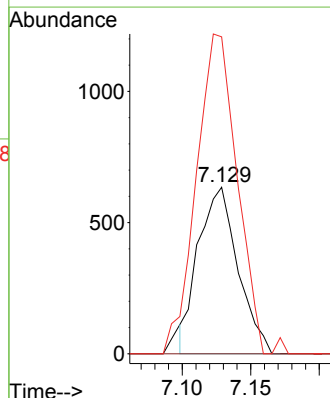
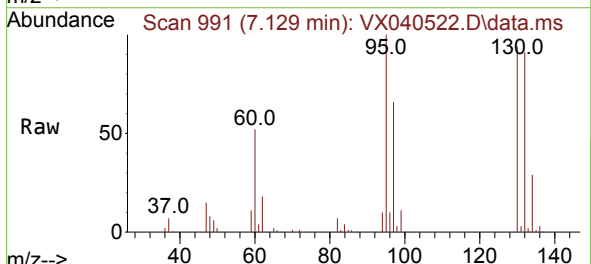
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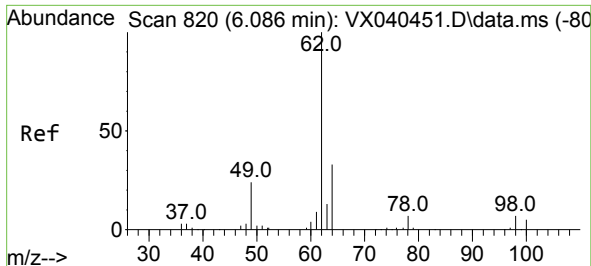
Tgt Ion:117 Resp: 8688
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.826 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion: 83 Resp: 1273
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 180.5 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.235 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX040522.D

Acq: 28 Feb 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

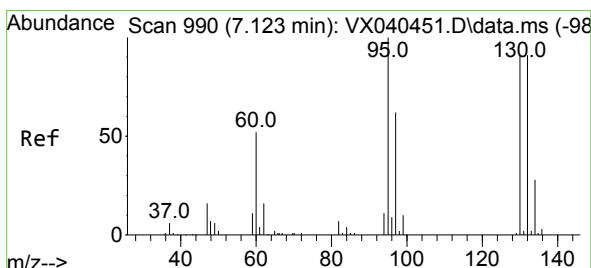
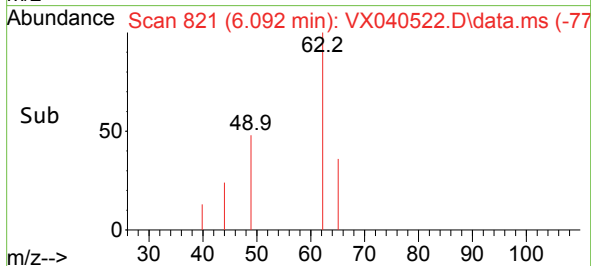
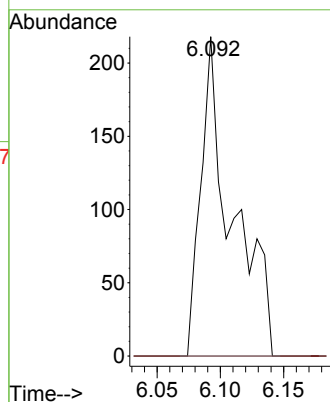
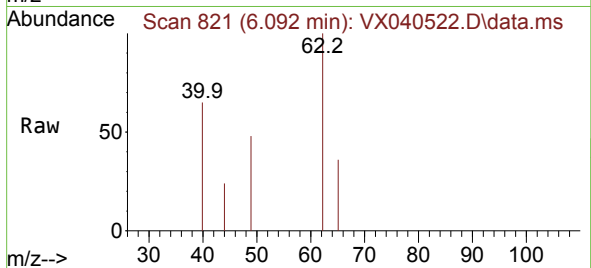
RE125D3-20240226

Tgt Ion: 62 Resp: 376

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 89.577 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX040522.D

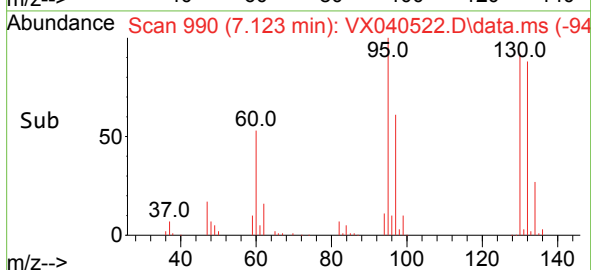
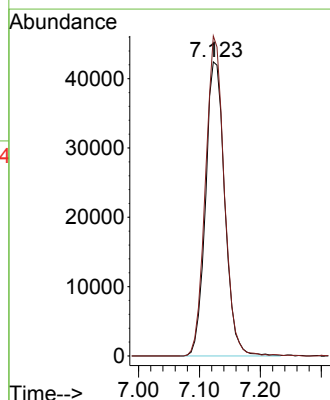
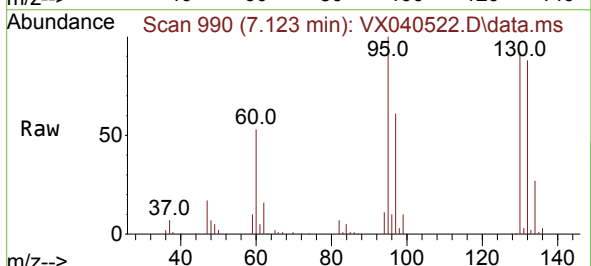
Acq: 28 Feb 2024 19:29

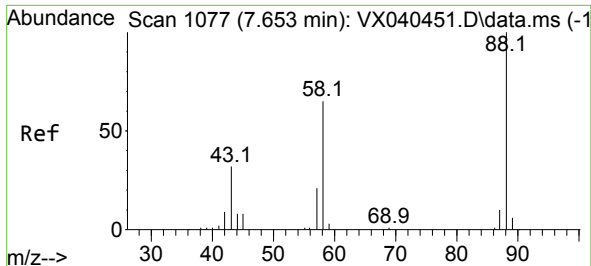
Tgt Ion:130 Resp: 93060

Ion Ratio Lower Upper

130 100

95 108.8 0.0 204.4





#49

1,4-Dioxane

Concen: 9.756 ug/l

RT: 7.671 min Scan# 1077

Delta R.T. 0.018 min

Lab File: VX040522.D

Acq: 28 Feb 2024 19:29

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20240226

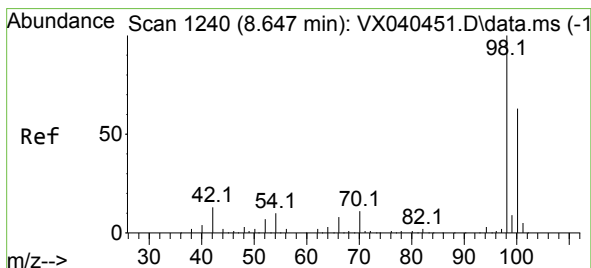
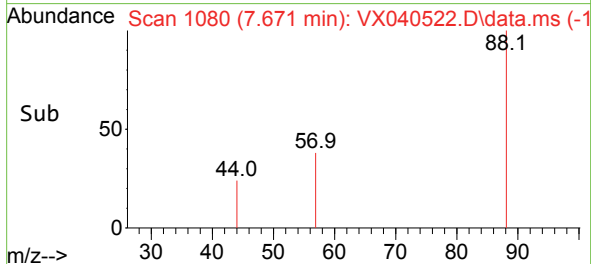
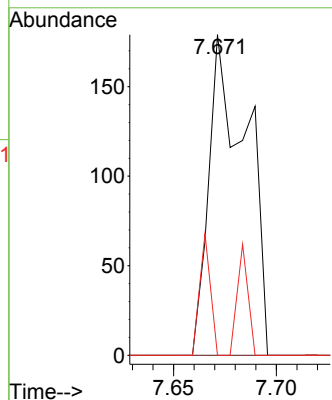
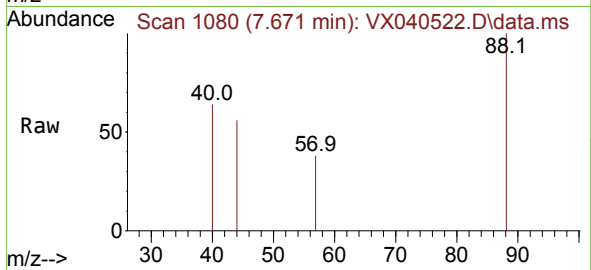
Tgt Ion: 88 Resp: 226

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 11.1 60.1 90.1#



#50

Toluene-d8

Concen: 49.215 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040522.D

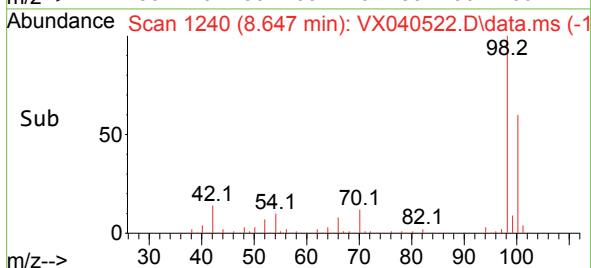
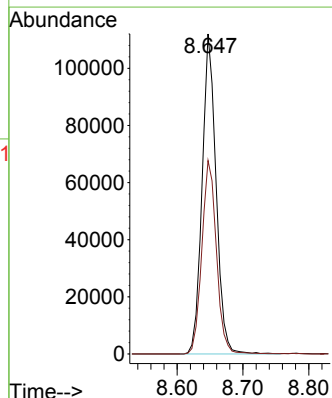
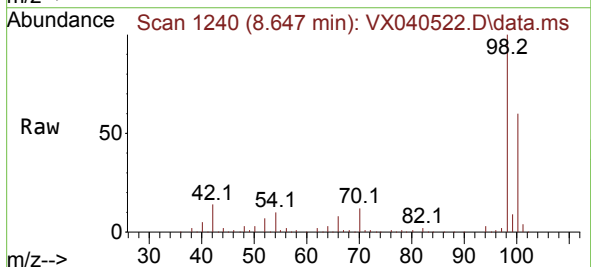
Acq: 28 Feb 2024 19:29

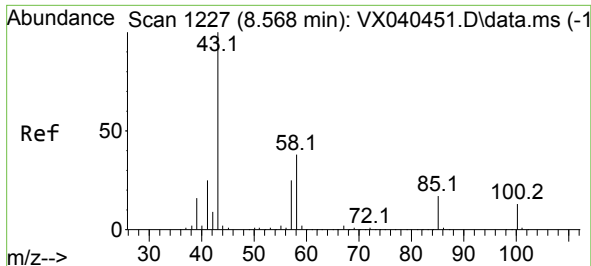
Tgt Ion: 98 Resp: 165439

Ion Ratio Lower Upper

98 100

100 63.1 53.1 79.7

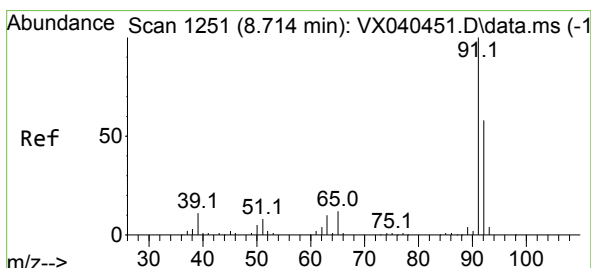
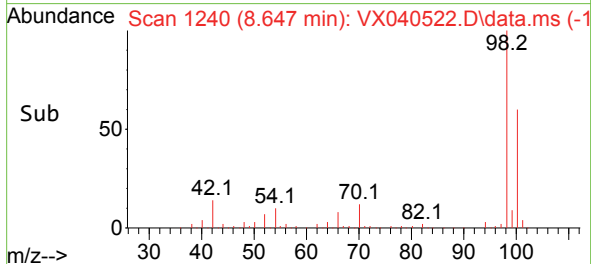
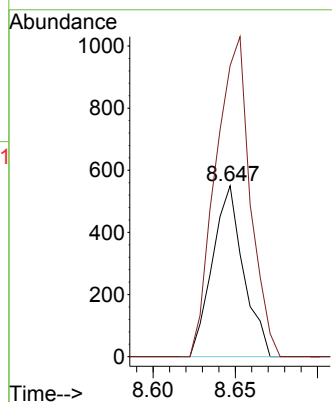
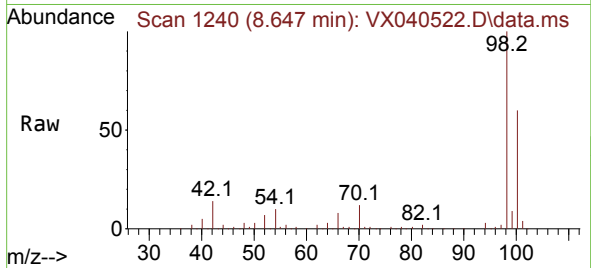




#51
4-Methyl-2-Pentanone
Concen: 0.446 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

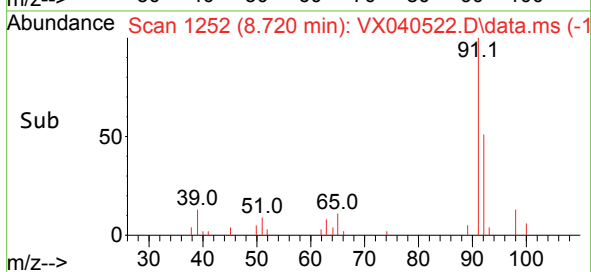
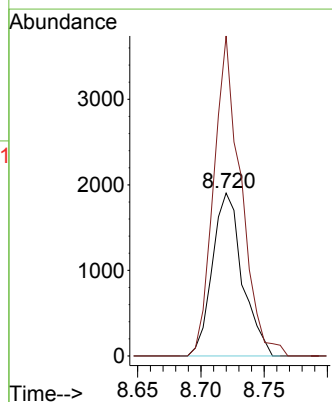
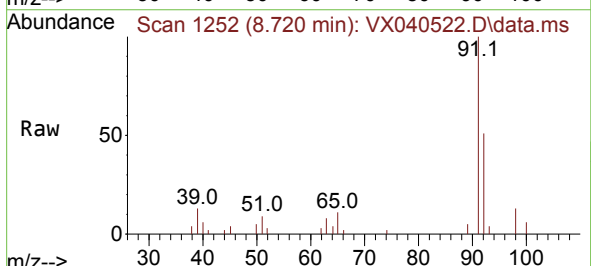
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226

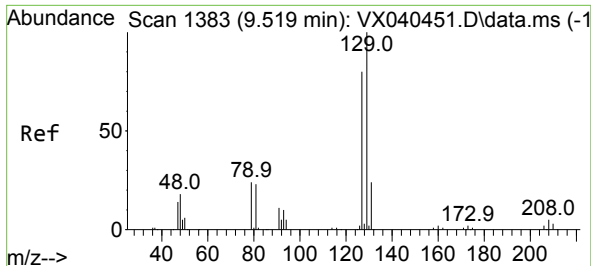
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 208.9 30.4 45.6#



#52
Toluene
Concen: 1.324 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion: 92 Resp: 3139
Ion Ratio Lower Upper
92 100
91 178.2 134.2 201.2

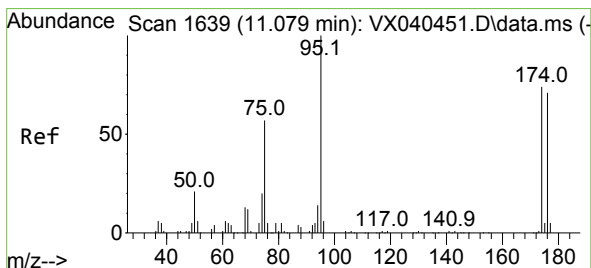
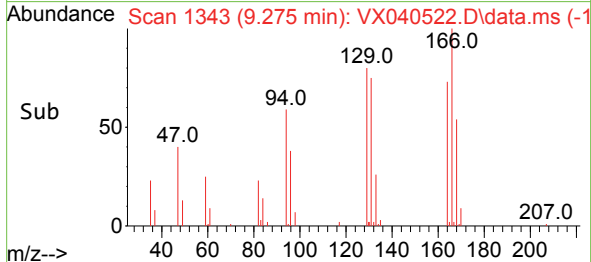
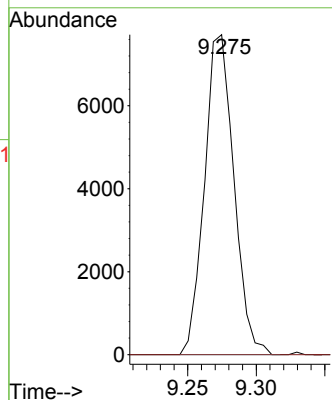
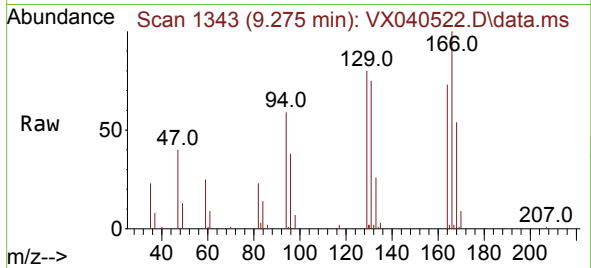




#60
Dibromochloromethane
Concen: 10.789 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

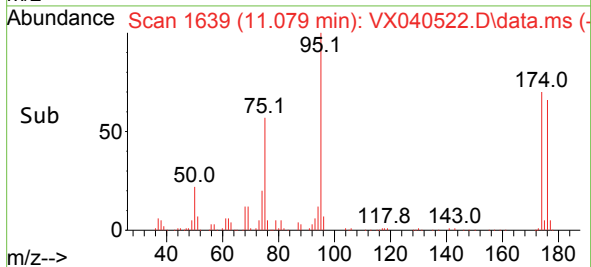
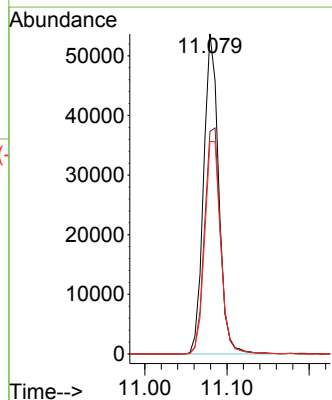
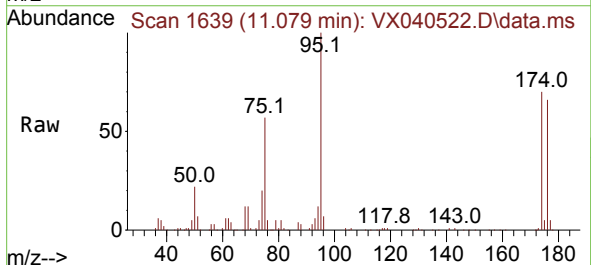
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226

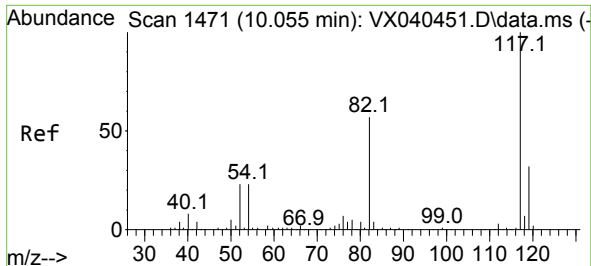
Tgt Ion:129 Resp: 11529
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 53.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion: 95 Resp: 68522
Ion Ratio Lower Upper
95 100
174 74.5 0.0 135.6
176 70.5 0.0 131.0

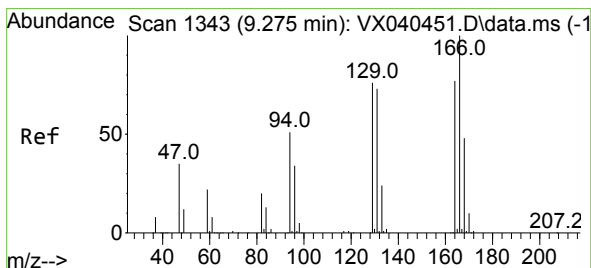
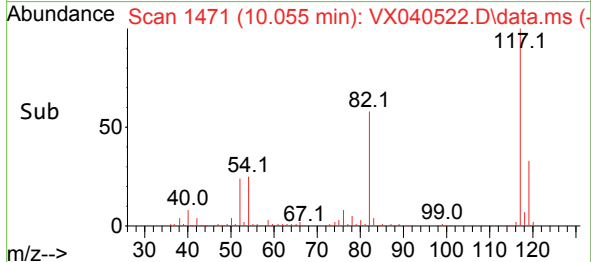
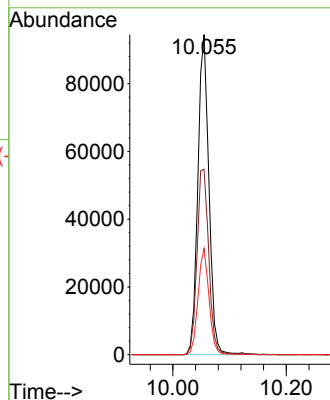
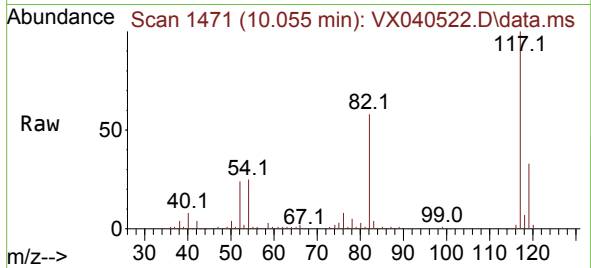




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

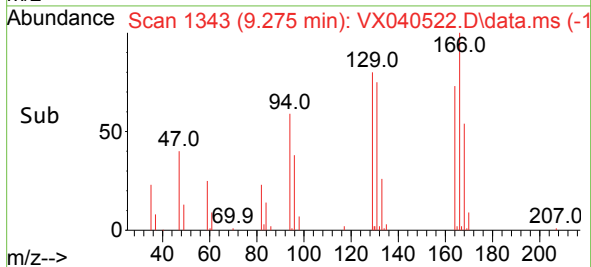
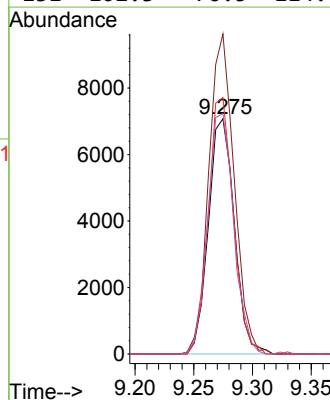
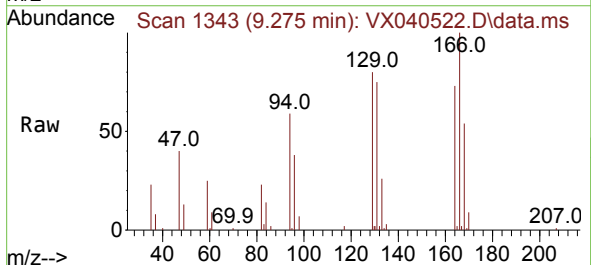
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20240226

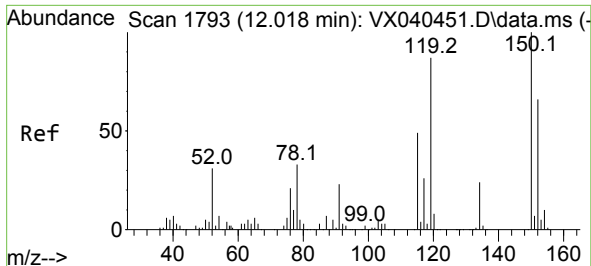
Tgt Ion:117 Resp: 127981
Ion Ratio Lower Upper
117 100
82 57.9 46.2 69.4
119 33.2 25.5 38.3



#64
Tetrachloroethene
Concen: 12.076 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040522.D
Acq: 28 Feb 2024 19:29

Tgt Ion:164 Resp: 10850
Ion Ratio Lower Upper
164 100
166 136.1 102.7 154.1
129 109.0 80.4 120.6
131 102.3 76.5 114.7

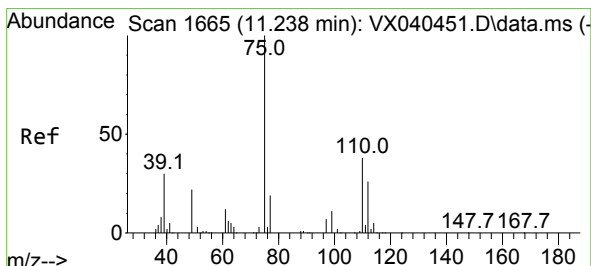
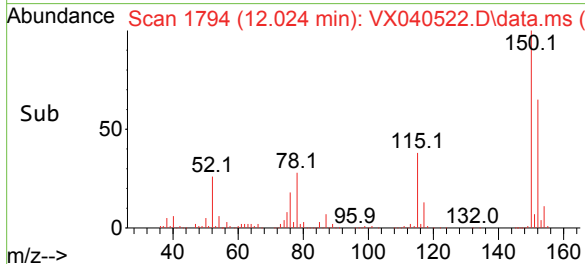
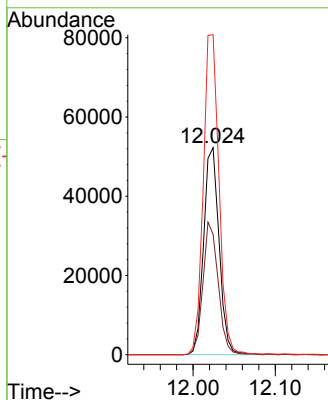
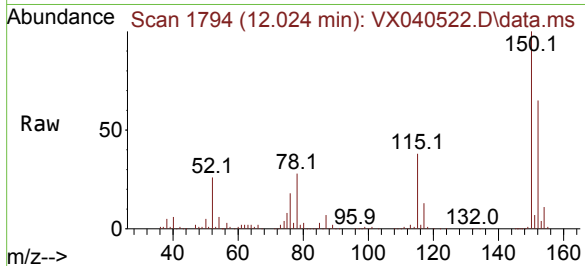




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX040522.D
 Acq: 28 Feb 2024 19:29

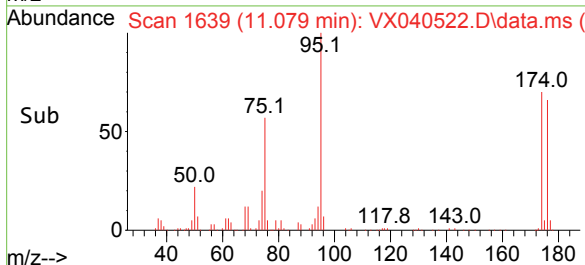
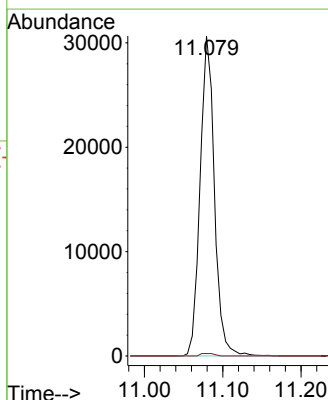
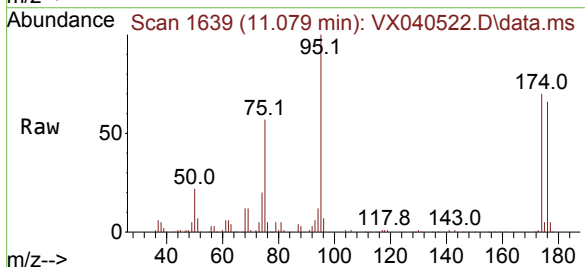
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20240226

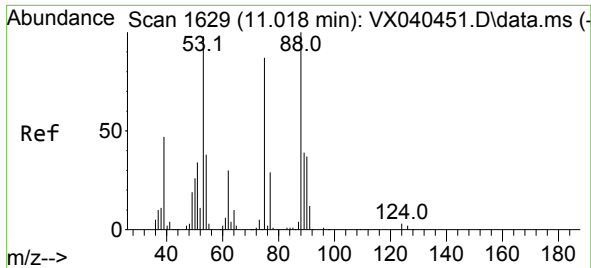
Tgt Ion:152 Resp: 68467
 Ion Ratio Lower Upper
 152 100
 115 62.9 43.3 129.9
 150 157.1 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.841 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX040522.D
 Acq: 28 Feb 2024 19:29

Tgt Ion: 75 Resp: 38939
 Ion Ratio Lower Upper
 75 100
 77 0.7 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.258 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040522.D
 Acq: 28 Feb 2024 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20240226

Tgt Ion: 75 Resp: 38939
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

