

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040277.D
 Acq On : 16 Feb 2024 14:45
 Operator : JC/MD
 Sample : P1507-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20240214

Quant Time: Feb 17 01:36:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

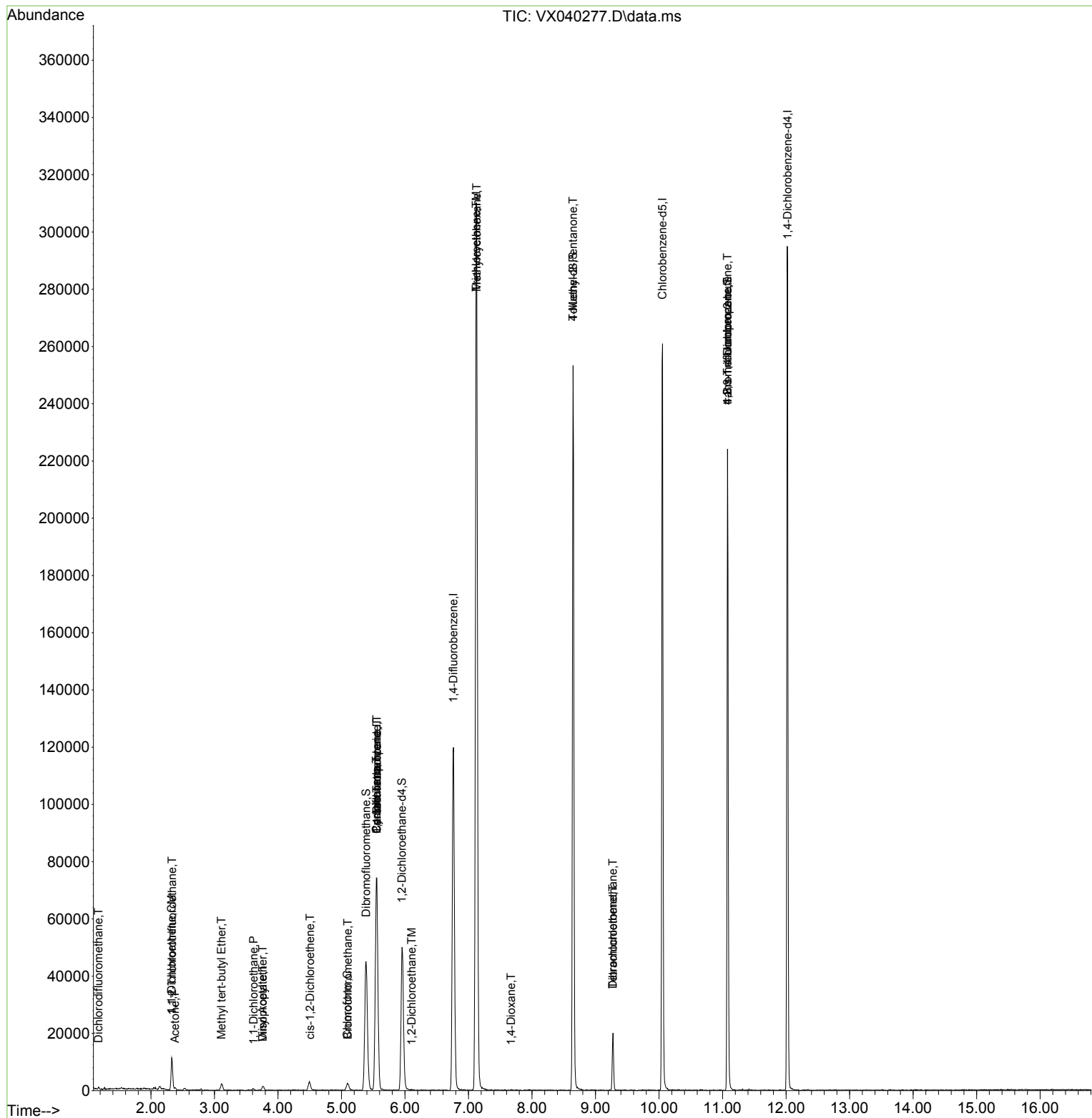
Internal Standards						
1) Pentafluorobenzene	5.556	168	71427	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	120664	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48441	45.586	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.180%
35) Dibromofluoromethane	5.385	113	40106	47.595	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.180%
50) Toluene-d8	8.647	98	148978	47.263	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.520%
62) 4-Bromofluorobenzene	11.079	95	58187	45.262	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.520%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	182	0.226	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	3720	4.912	ug/l	95
12) 1,1-Dichloroethene	2.325	96	612	0.839	ug/l	# 63
16) Acetone	2.380	43	828	1.897	ug/l	# 41
19) Methyl tert-butyl Ether	3.111	73	2543	0.990	ug/l	93
20) Methylene Chloride	2.788	84	120	Below Cal		84
22) Diisopropyl ether	3.757	45	1527	0.595	ug/l	# 75
23) Vinyl Acetate	3.757	43	795	0.347	ug/l	# 73
24) 1,1-Dichloroethane	3.617	63	891	0.596	ug/l	# 83
27) cis-1,2-Dichloroethene	4.507	96	2027	2.139	ug/l	76
28) Bromochloromethane	5.099	49	143	0.225	ug/l	# 16
30) Chloroform	5.093	83	3085	1.909	ug/l	93
31) Cyclohexane	5.550	56	1559	1.230	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	5727	4.852	ug/l	# 46
38) Carbon Tetrachloride	5.556	117	7215	6.429	ug/l	# 18
39) Methylcyclohexane	7.129	83	1381	1.007	ug/l	# 1
42) 1,2-Dichloroethane	6.105	62	278	0.215	ug/l	# 77
44) Trichloroethene	7.123	130	116564	128.016	ug/l	98
49) 1,4-Dioxane	7.671	88	178	7.799	ug/l	# 42
51) 4-Methyl-2-Pentanone	8.647	43	758	0.541	ug/l	# 1
60) Dibromochloromethane	9.275	129	3335	3.550	ug/l	# 11
64) Tetrachloroethene	9.275	164	3622	4.345	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	30536	24.652	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	30536	67.860	ug/l	# 5

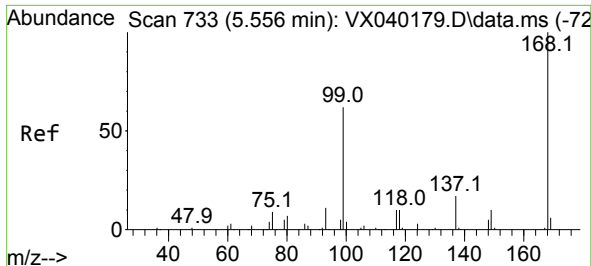
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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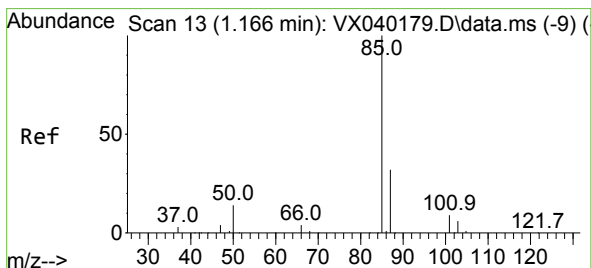
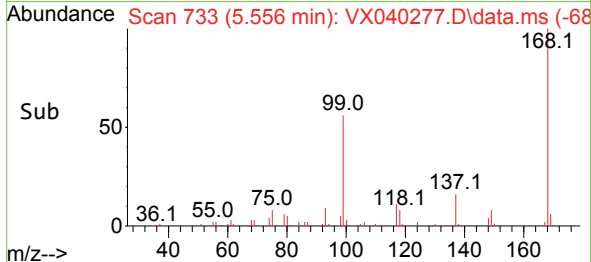
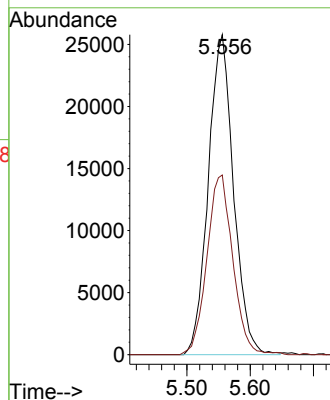
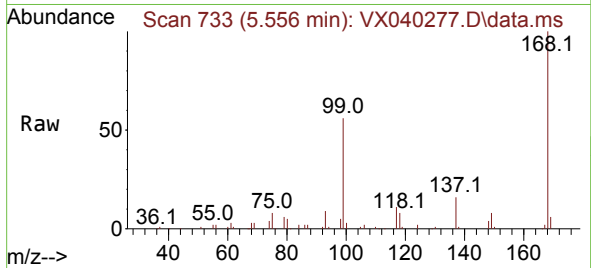




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

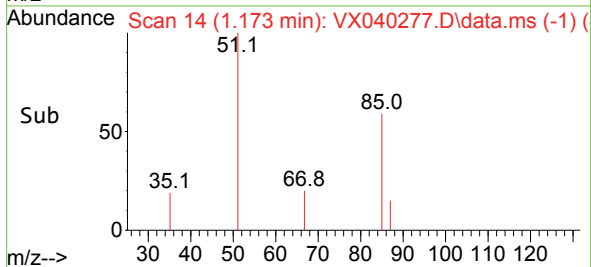
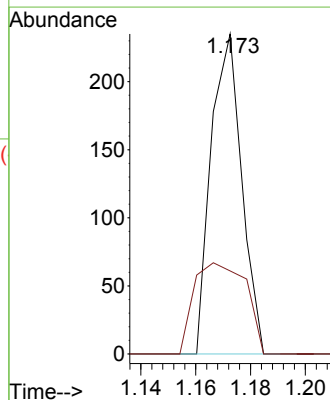
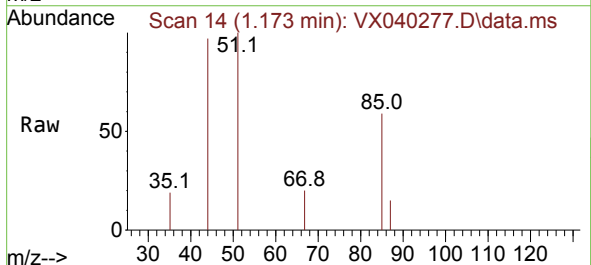
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20240214

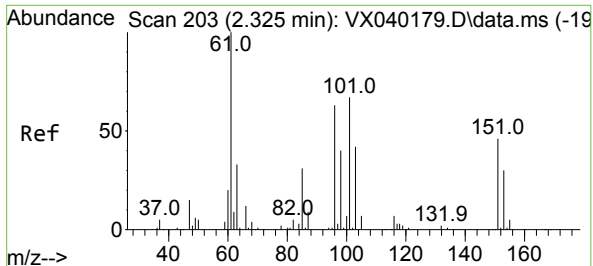
Tgt Ion:168 Resp: 71427
Ion Ratio Lower Upper
168 100
99 56.2 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.226 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Tgt Ion: 85 Resp: 182
Ion Ratio Lower Upper
85 100
87 26.0 16.7 50.1

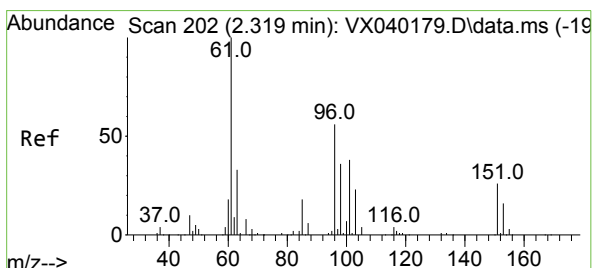
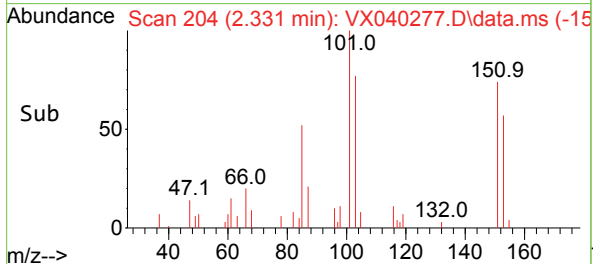
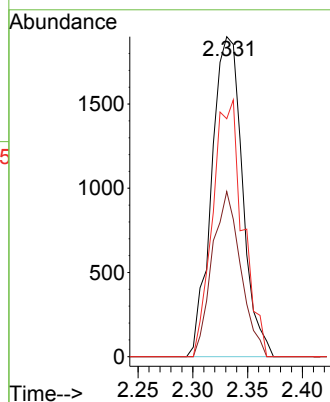
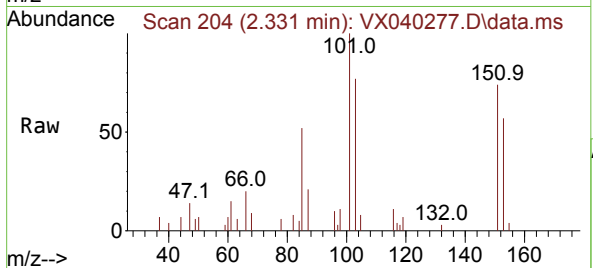




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.912 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

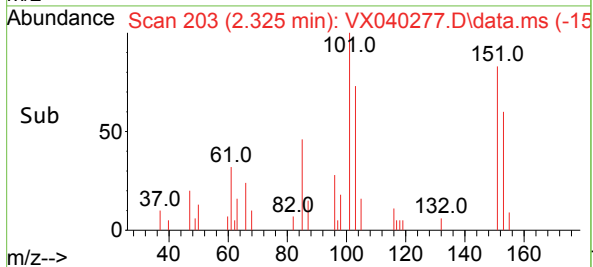
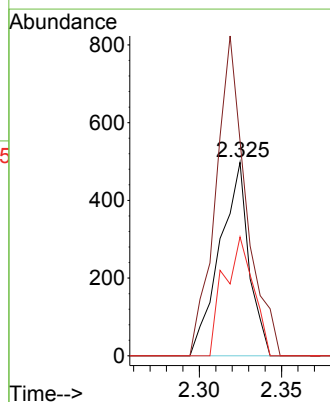
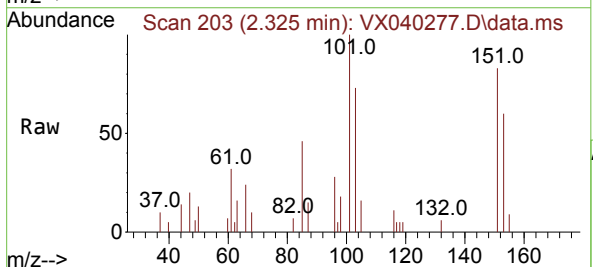
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20240214

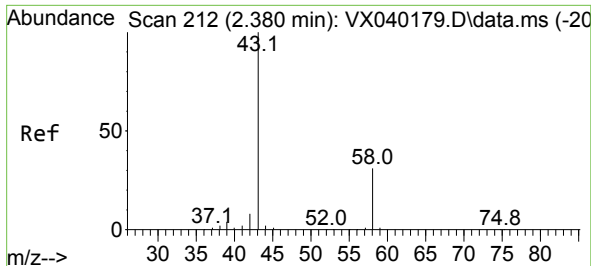
Tgt Ion:101 Resp: 3720
Ion Ratio Lower Upper
101 100
85 47.7 37.0 55.6
151 78.5 58.6 87.8



#12
1,1-Dichloroethene
Concen: 0.839 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Tgt Ion: 96 Resp: 612
Ion Ratio Lower Upper
96 100
61 111.0 144.6 216.8#
98 61.4 50.4 75.6

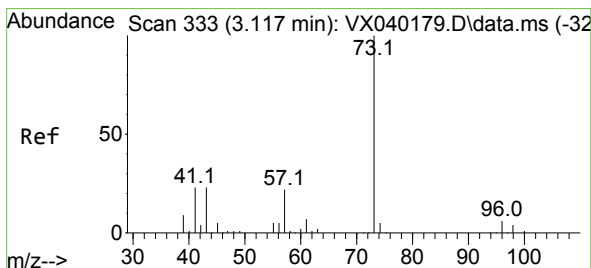
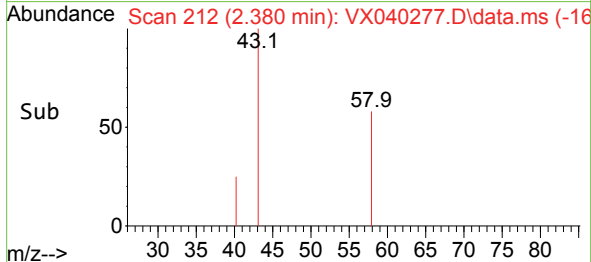
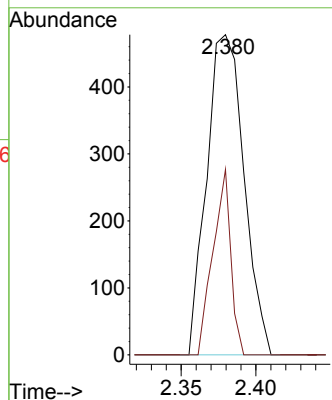
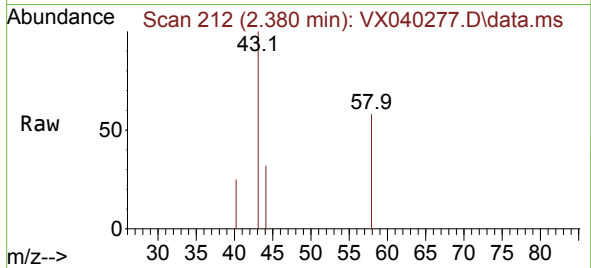




#16
Acetone
Concen: 1.897 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

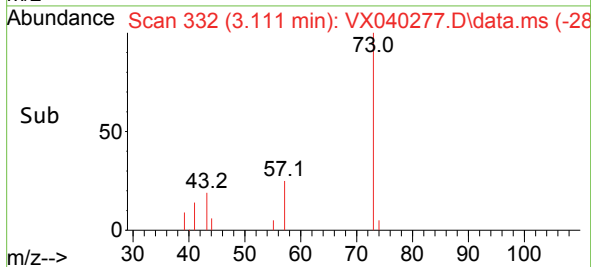
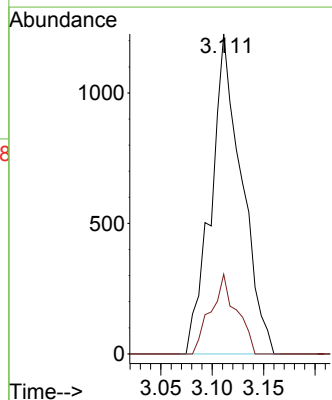
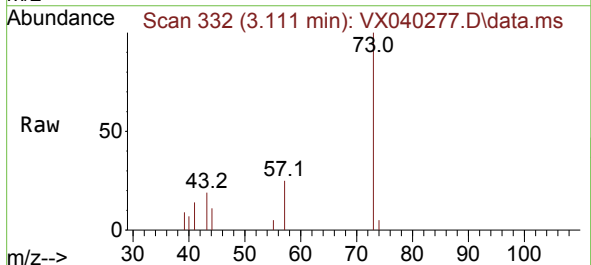
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20240214

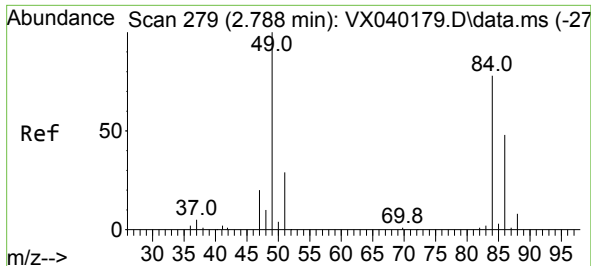
Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
58 57.9 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.990 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Tgt Ion: 73 Resp: 2543
Ion Ratio Lower Upper
73 100
57 24.9 17.3 25.9





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040277.D

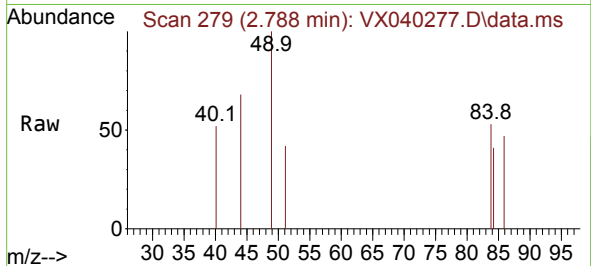
Acq: 16 Feb 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20240214



Tgt Ion: 84 Resp: 120

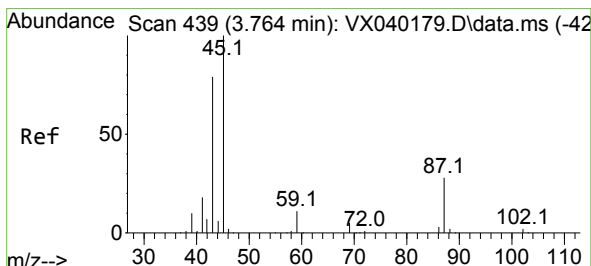
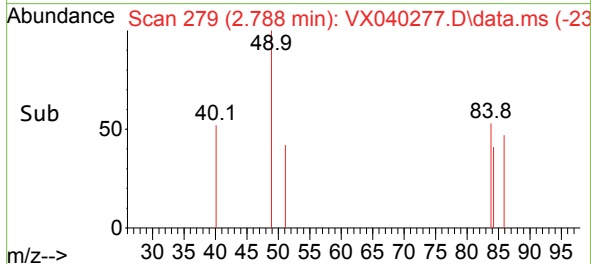
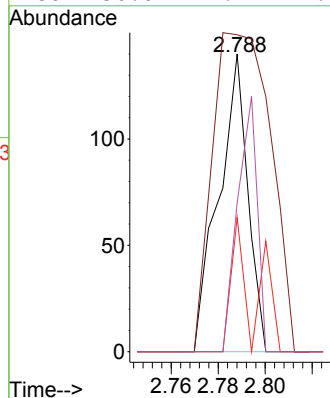
Ion Ratio Lower Upper

84 100

49 106.4 103.6 155.4

51 45.0 33.8 50.6

86 50.0 49.4 74.0



#22

Diisopropyl ether

Concen: 0.595 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX040277.D

Acq: 16 Feb 2024 14:45

Tgt Ion: 45 Resp: 1527

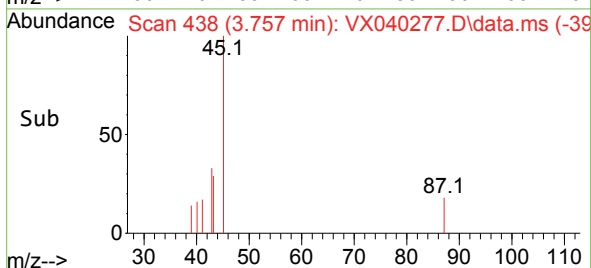
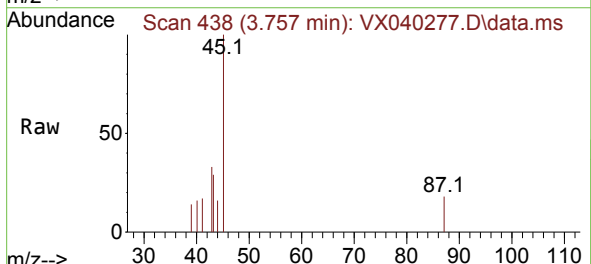
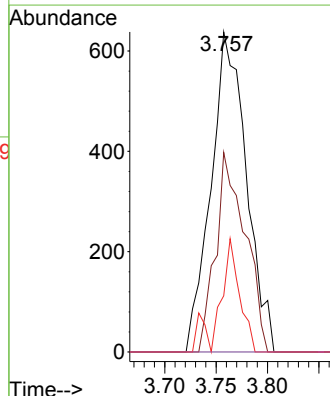
Ion Ratio Lower Upper

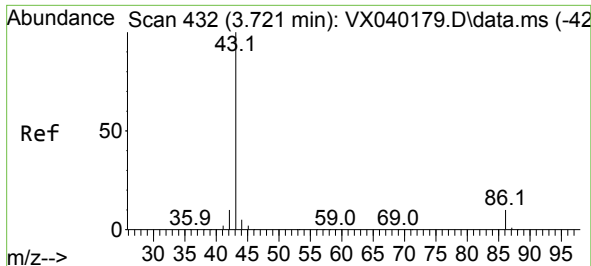
45 100

43 62.4 69.7 104.5#

87 17.6 20.8 31.2#

59 0.0 9.0 13.4#

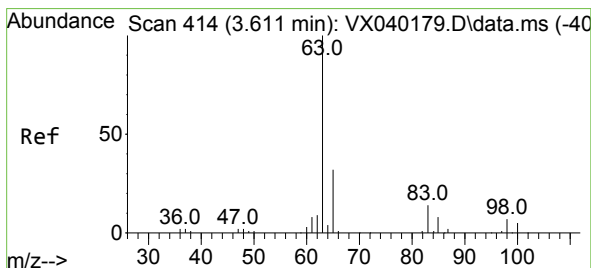
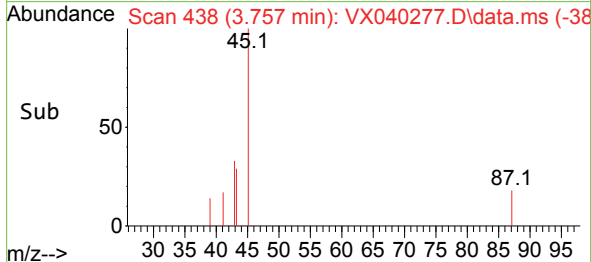
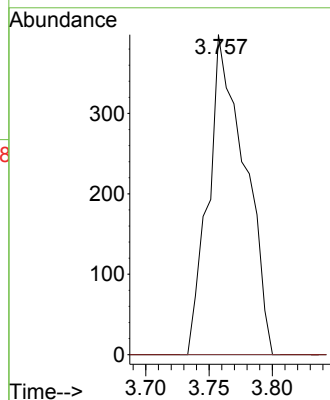
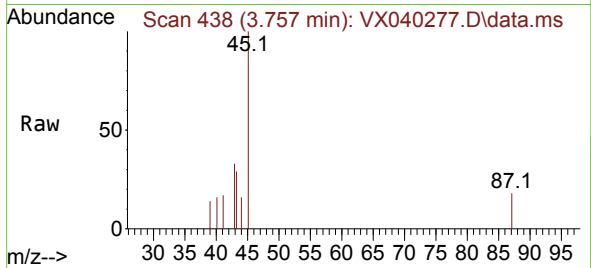




#23
 Vinyl Acetate
 Concen: 0.347 ug/l
 RT: 3.757 min Scan# 415
 Delta R.T. 0.037 min
 Lab File: VX040277.D
 Acq: 16 Feb 2024 14:45

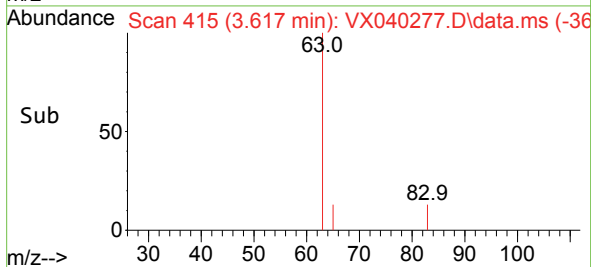
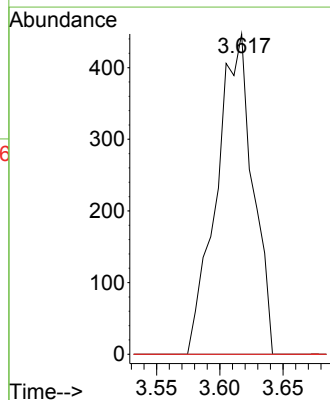
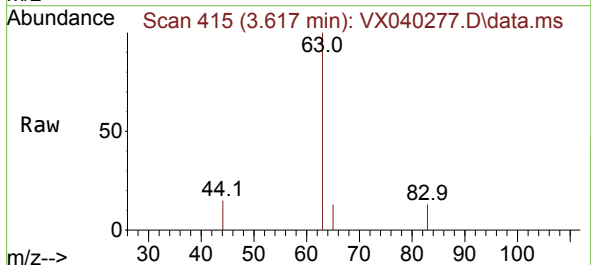
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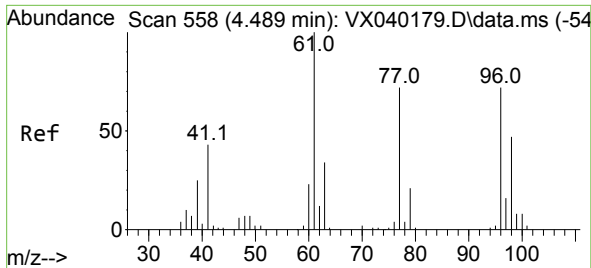
Tgt Ion: 43 Resp: 795
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#24
 1,1-Dichloroethane
 Concen: 0.596 ug/l
 RT: 3.617 min Scan# 415
 Delta R.T. 0.012 min
 Lab File: VX040277.D
 Acq: 16 Feb 2024 14:45

Tgt Ion: 63 Resp: 891
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 2.139 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX040277.D

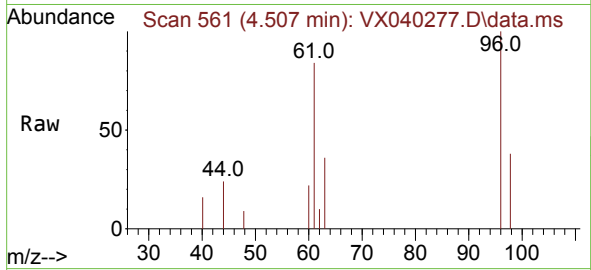
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Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20240214



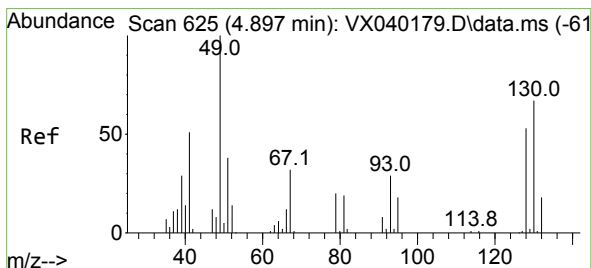
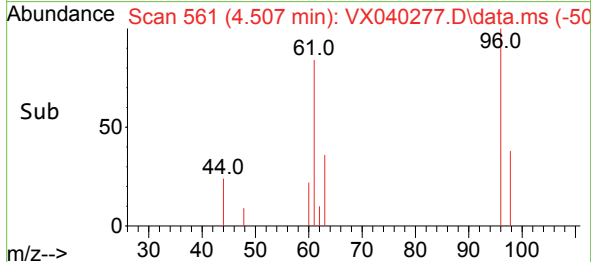
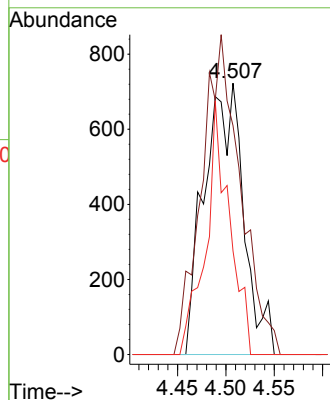
Tgt Ion: 96 Resp: 2027

Ion Ratio Lower Upper

96 100

61 117.0 0.0 312.2

98 56.8 0.0 129.0



#28

Bromochloromethane

Concen: 0.225 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.201 min

Lab File: VX040277.D

Acq: 16 Feb 2024 14:45

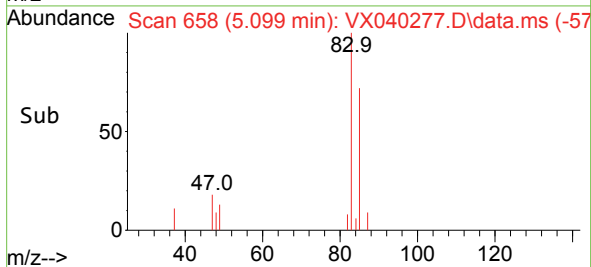
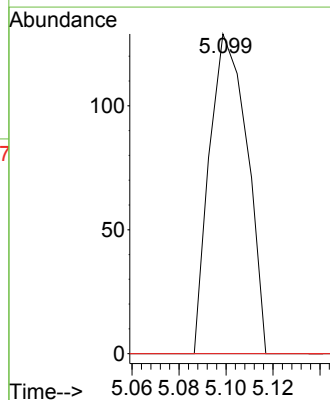
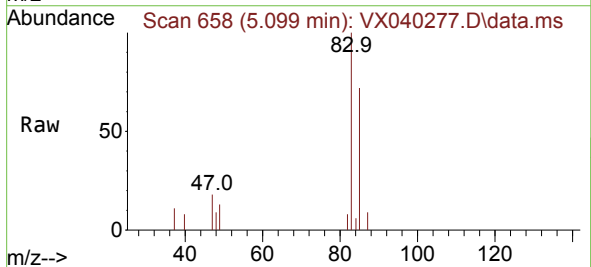
Tgt Ion: 49 Resp: 143

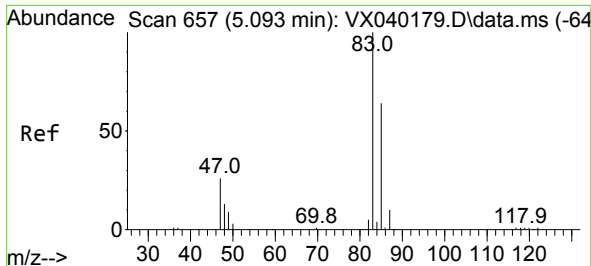
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#

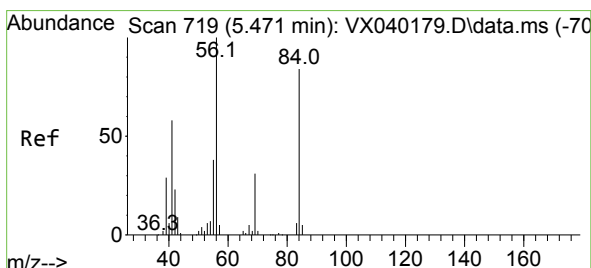
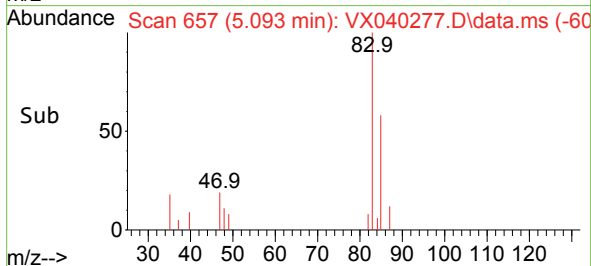
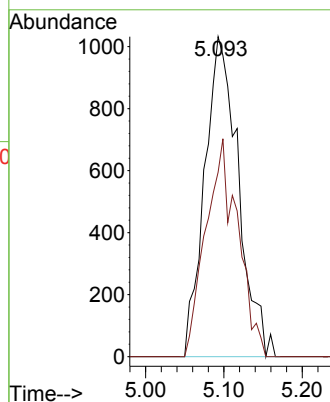
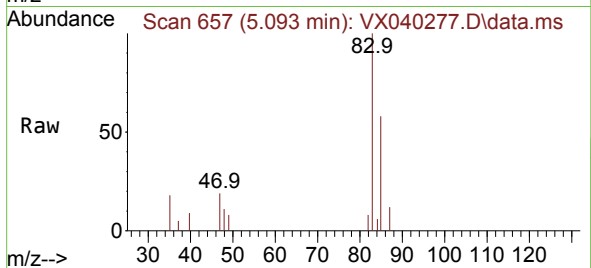




#30
Chloroform
Concen: 1.909 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

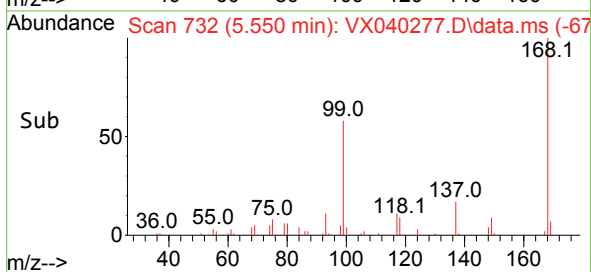
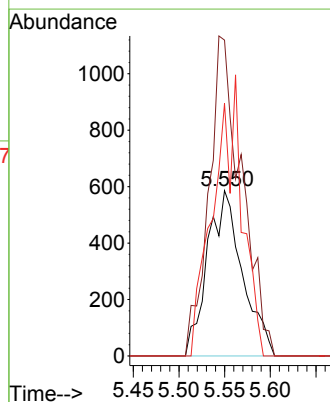
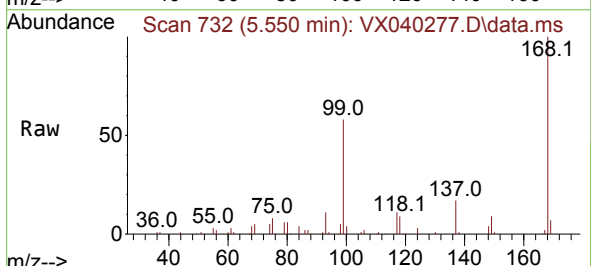
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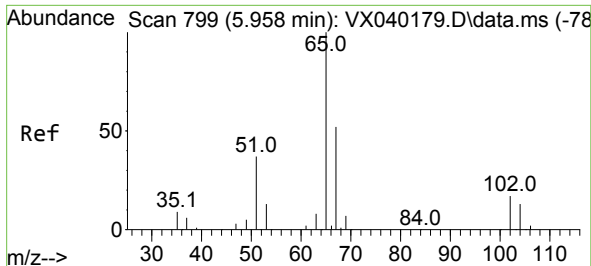
Tgt Ion: 83 Resp: 3085
Ion Ratio Lower Upper
83 100
85 57.7 50.3 75.5



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Tgt Ion: 56 Resp: 1559
Ion Ratio Lower Upper
56 100
69 191.0 23.4 35.2#
84 152.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.586 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040277.D

Acq: 16 Feb 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :

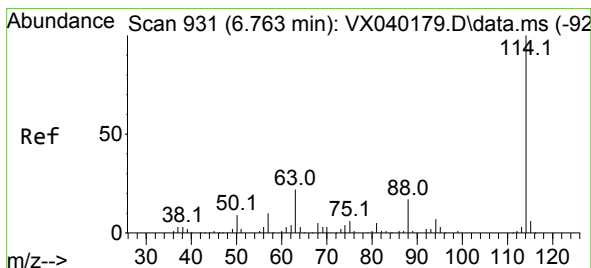
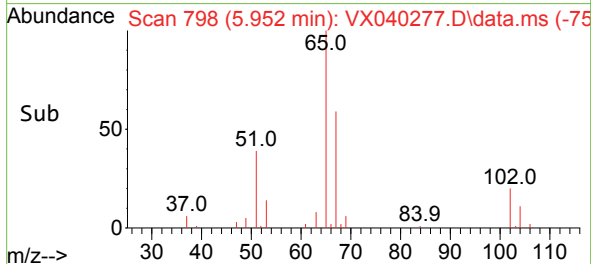
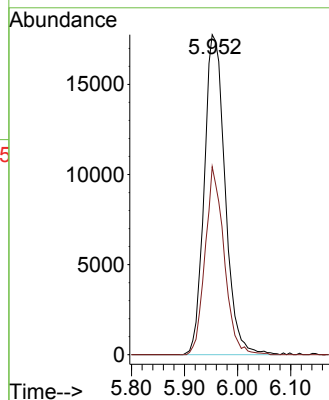
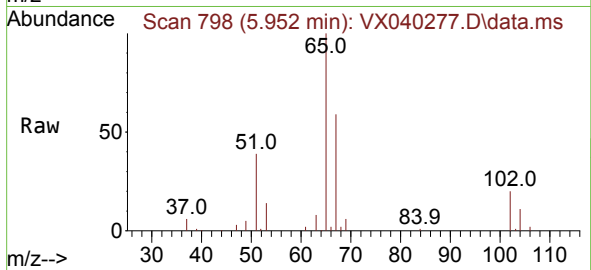
RE132D1-20240214

Tgt Ion: 65 Resp: 48441

Ion Ratio Lower Upper

65 100

67 53.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX040277.D

Acq: 16 Feb 2024 14:45

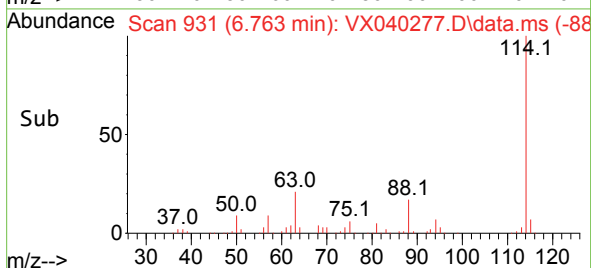
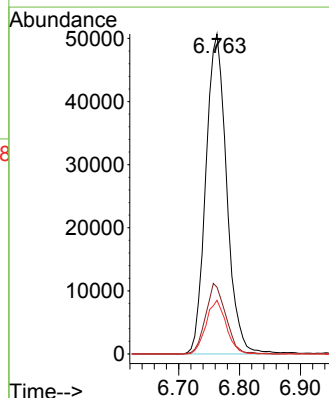
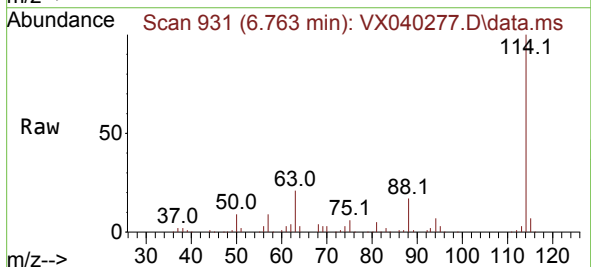
Tgt Ion: 114 Resp: 120664

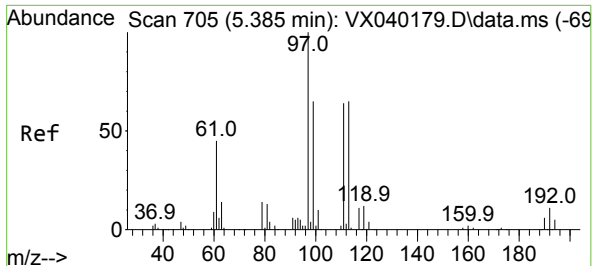
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

88 16.8 0.0 36.6

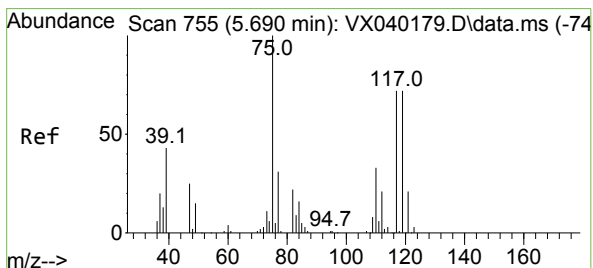
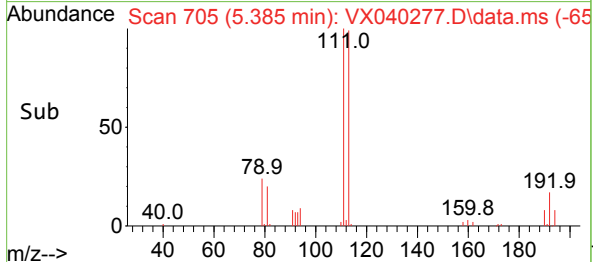
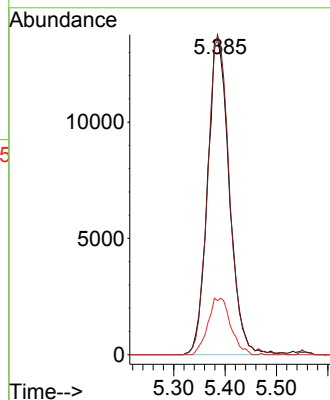
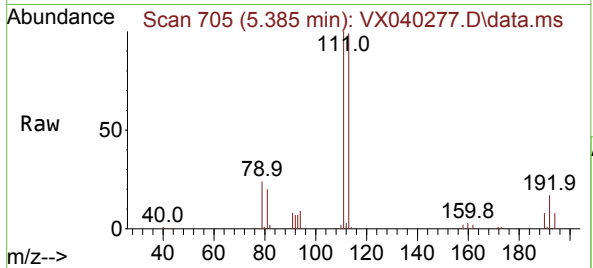




#35
Dibromofluoromethane
Concen: 47.595 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

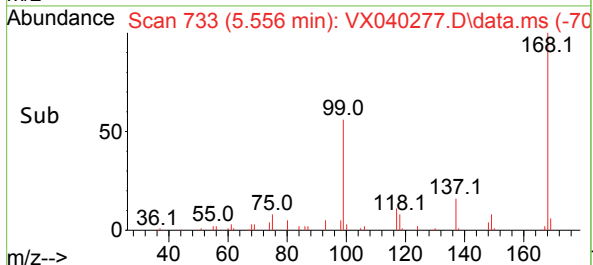
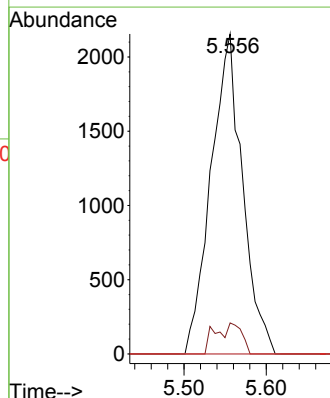
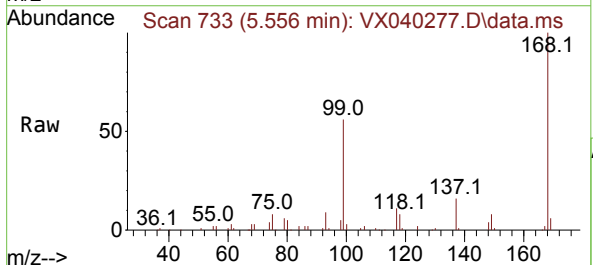
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20240214

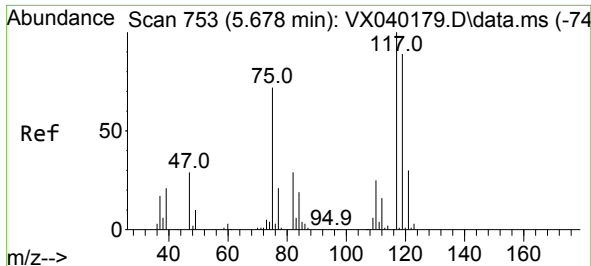
Tgt Ion:113 Resp: 40106
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.852 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Tgt Ion: 75 Resp: 5727
Ion Ratio Lower Upper
75 100
110 4.3 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.429 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.116 min

Lab File: VX040277.D

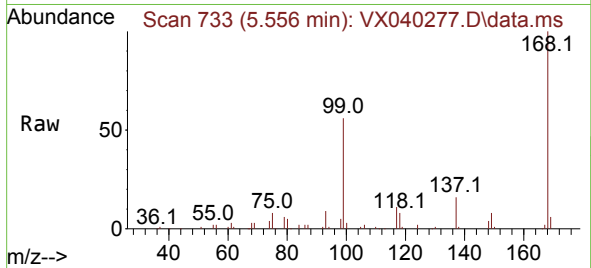
Acq: 16 Feb 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20240214



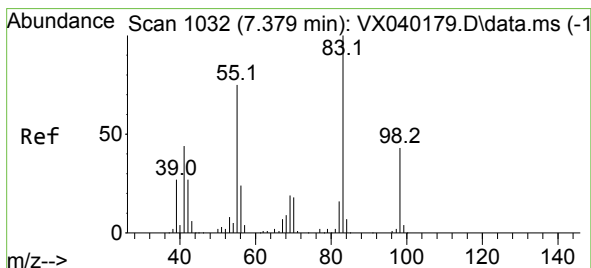
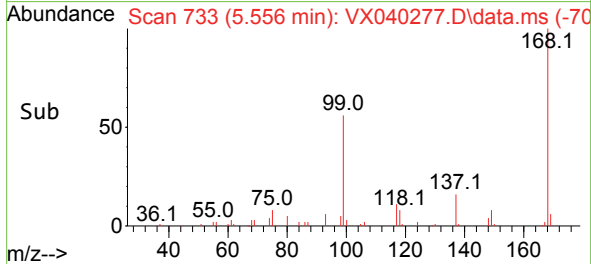
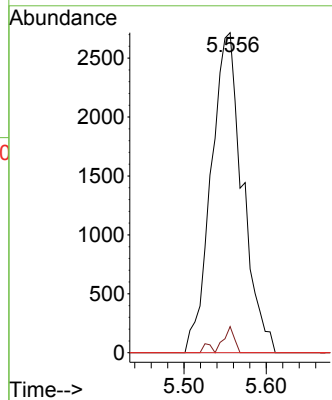
Tgt Ion:117 Resp: 7215

Ion Ratio Lower Upper

117 100

119 8.2 78.2 117.2#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 1.007 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.250 min

Lab File: VX040277.D

Acq: 16 Feb 2024 14:45

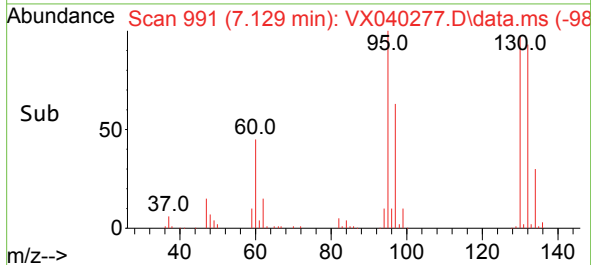
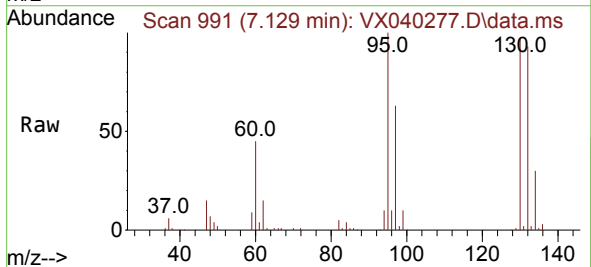
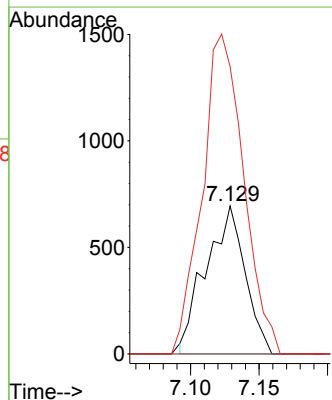
Tgt Ion: 83 Resp: 1381

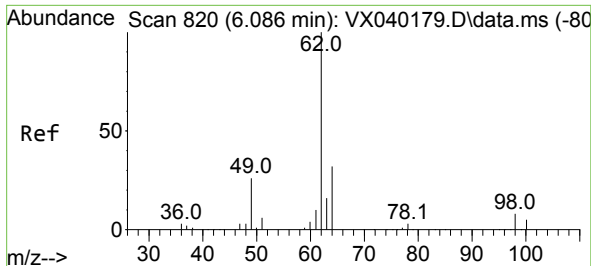
Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 209.0 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.215 ug/l

RT: 6.105 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX040277.D

Acq: 16 Feb 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :

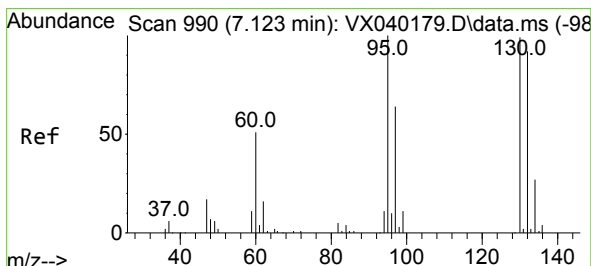
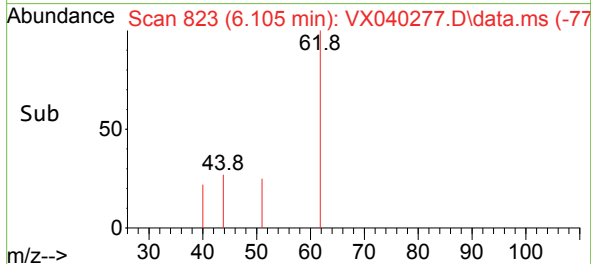
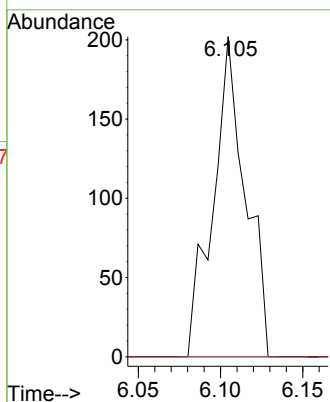
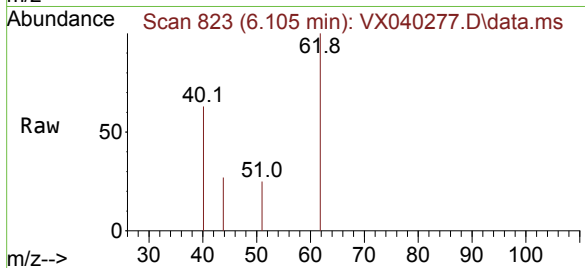
RE132D1-20240214

Tgt Ion: 62 Resp: 278

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 128.016 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX040277.D

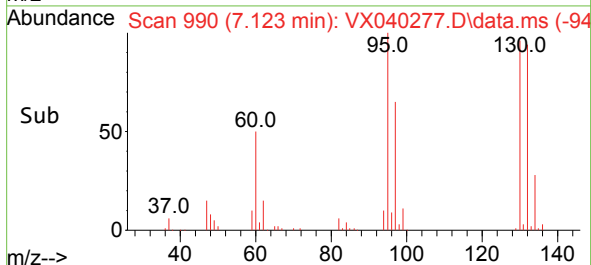
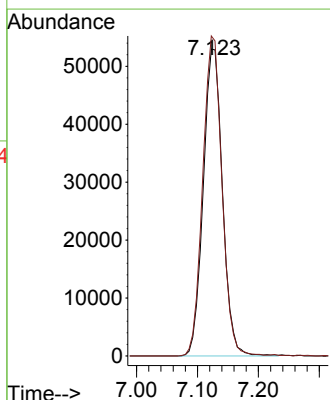
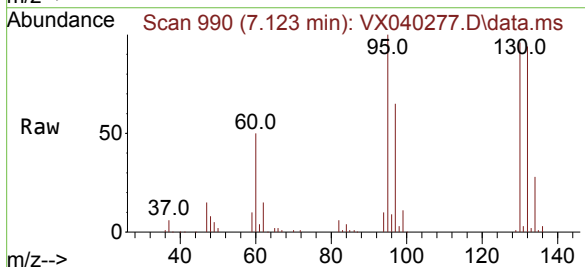
Acq: 16 Feb 2024 14:45

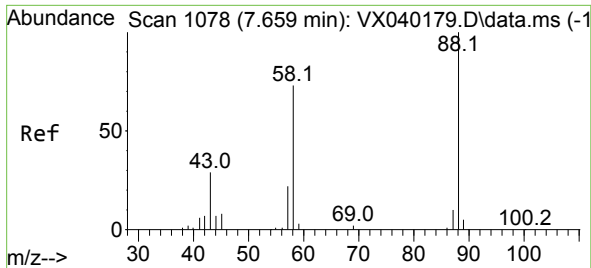
Tgt Ion:130 Resp: 116564

Ion Ratio Lower Upper

130 100

95 104.3 0.0 204.4

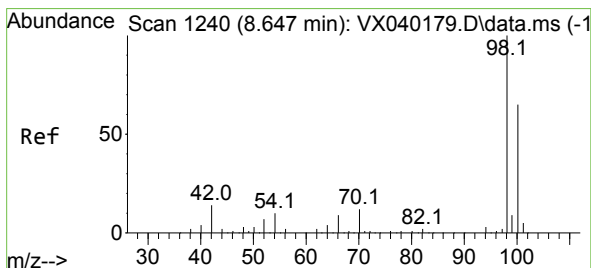
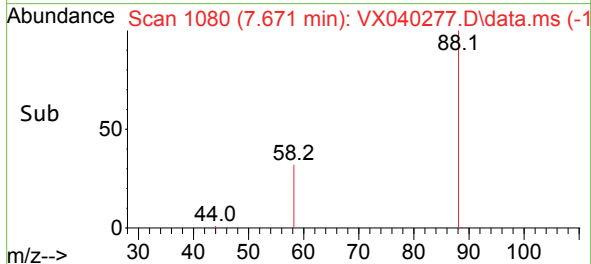
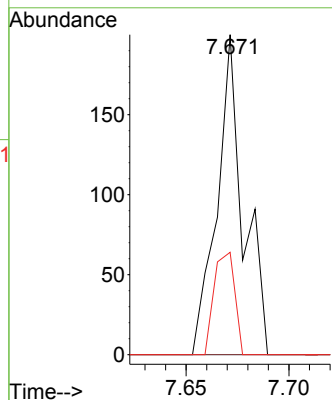
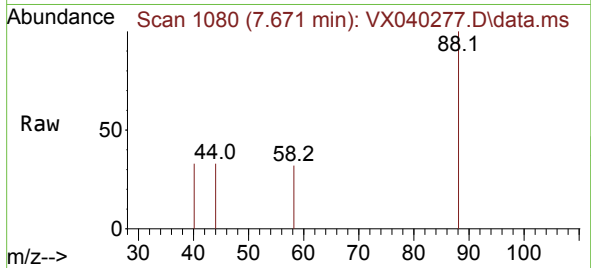




#49
1,4-Dioxane
Concen: 7.799 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

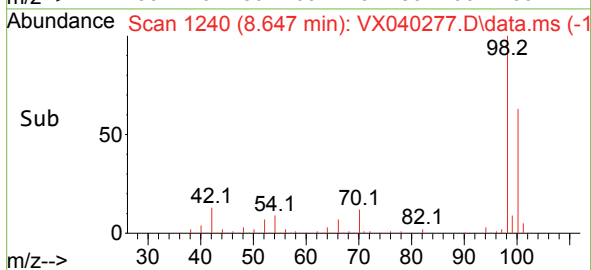
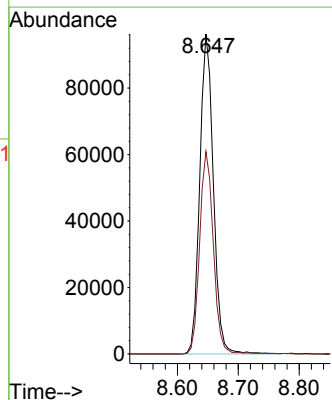
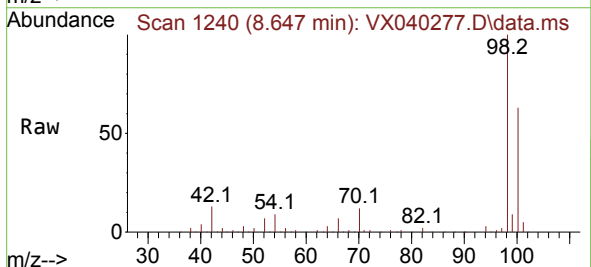
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20240214

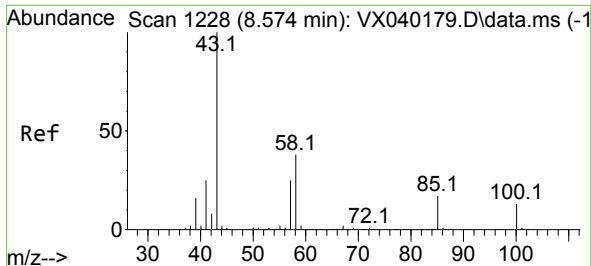
Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 25.3 60.1 90.1#



#50
Toluene-d8
Concen: 47.263 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Tgt Ion: 98 Resp: 148978
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7

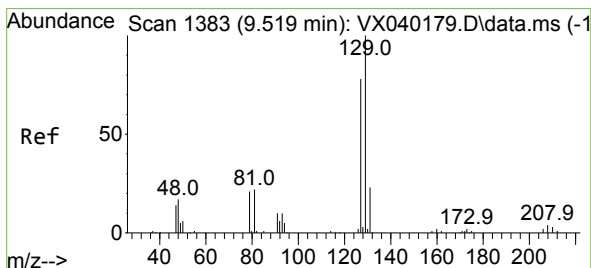
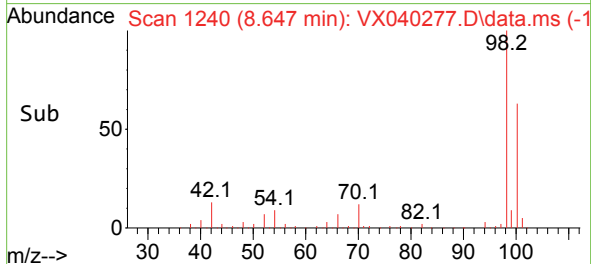
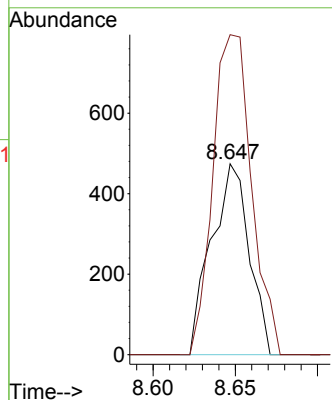
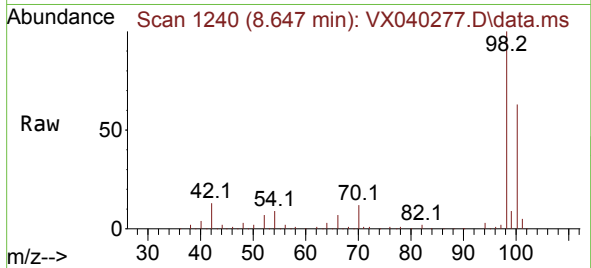




#51
 4-Methyl-2-Pentanone
 Concen: 0.541 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX040277.D
 Acq: 16 Feb 2024 14:45

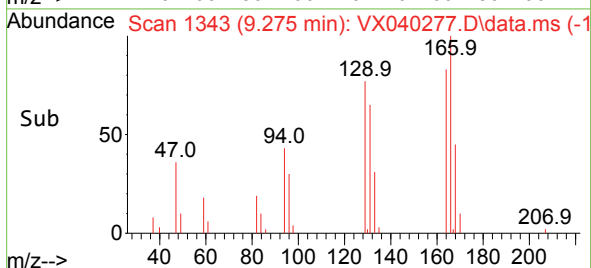
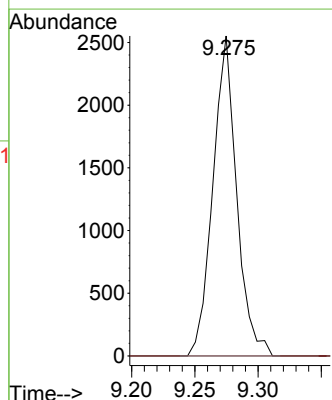
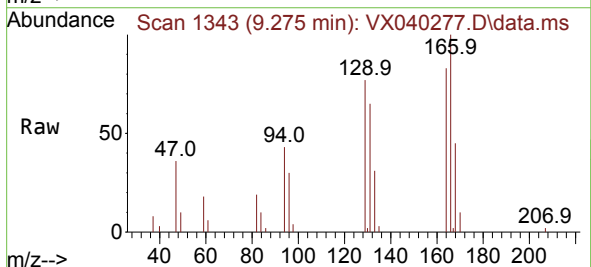
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20240214

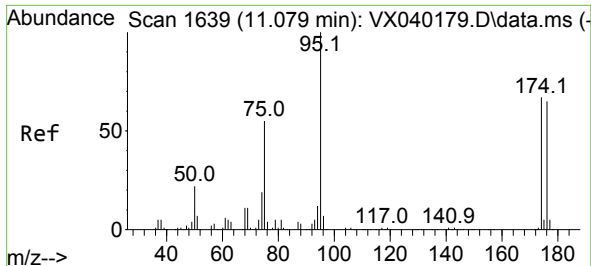
Tgt Ion: 43 Resp: 758
 Ion Ratio Lower Upper
 43 100
 58 171.9 30.4 45.6#



#60
 Dibromochloromethane
 Concen: 3.550 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX040277.D
 Acq: 16 Feb 2024 14:45

Tgt Ion: 129 Resp: 3335
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#

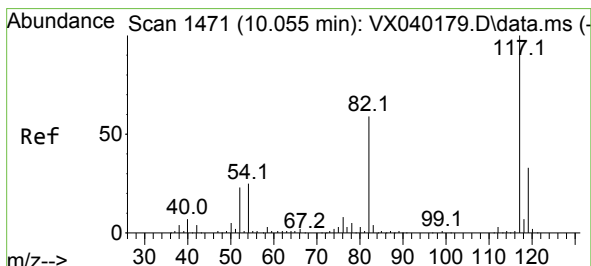
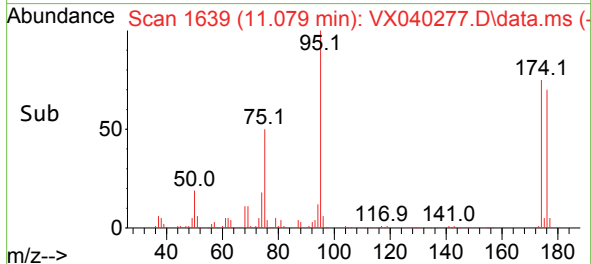
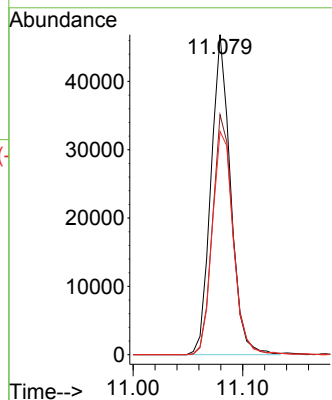
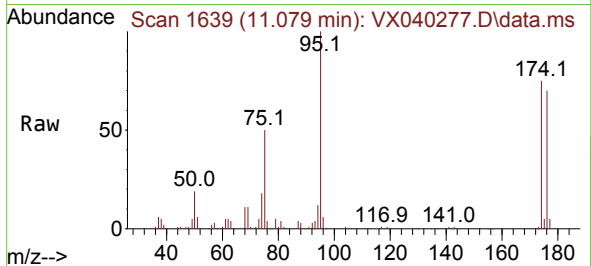




#62
4-Bromofluorobenzene
Concen: 45.262 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

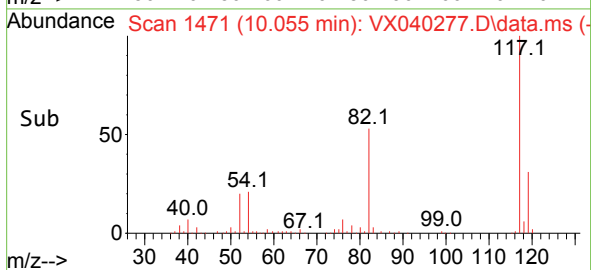
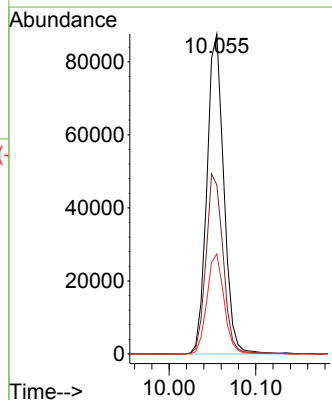
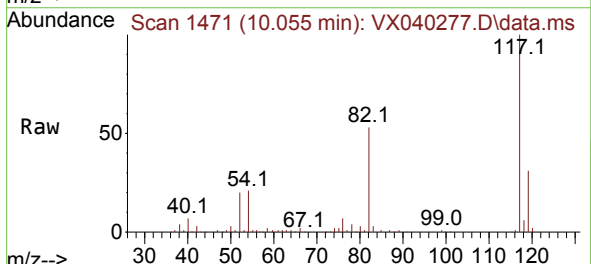
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20240214

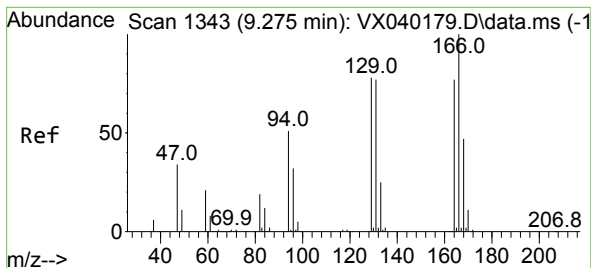
Tgt Ion: 95 Resp: 58187
Ion Ratio Lower Upper
95 100
174 78.1 0.0 135.6
176 74.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Tgt Ion: 117 Resp: 118968
Ion Ratio Lower Upper
117 100
82 52.8 46.2 69.4
119 31.3 25.5 38.3





#64

Tetrachloroethene

Concen: 4.345 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040277.D

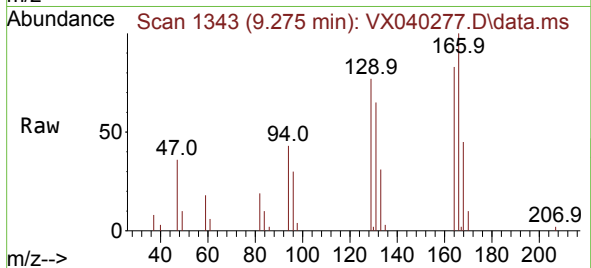
Acq: 16 Feb 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :

RE132D1-20240214



Tgt Ion:164 Resp: 3622

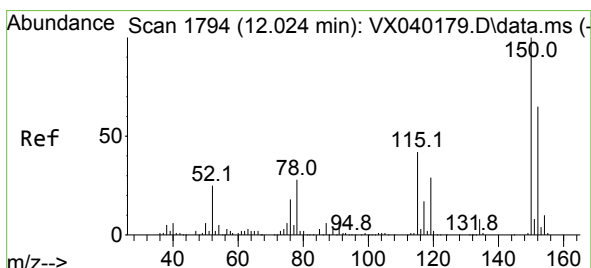
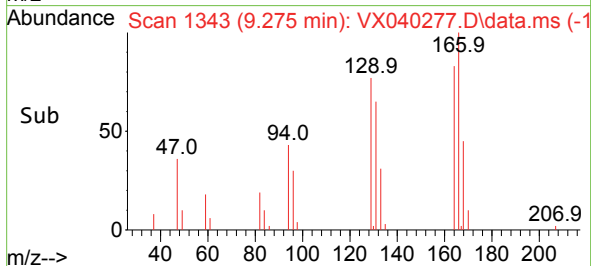
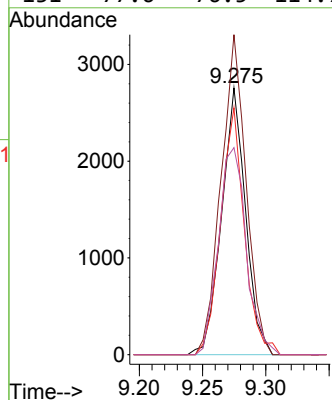
Ion Ratio Lower Upper

164 100

166 120.0 102.7 154.1

129 92.6 80.4 120.6

131 77.6 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX040277.D

Acq: 16 Feb 2024 14:45

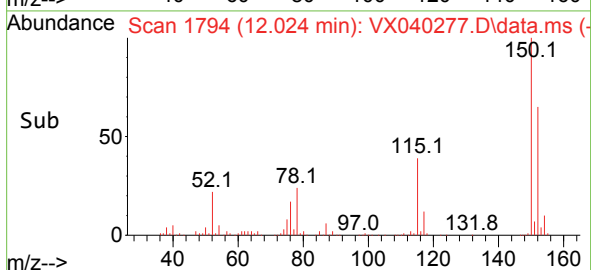
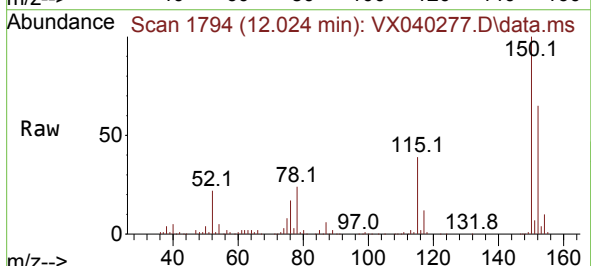
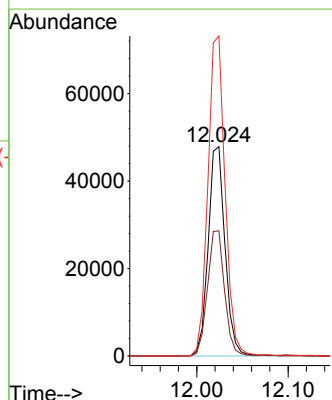
Tgt Ion:152 Resp: 61169

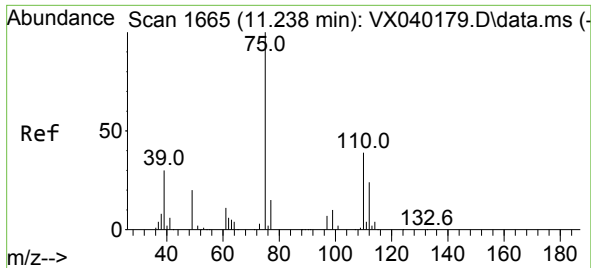
Ion Ratio Lower Upper

152 100

115 60.4 43.3 129.9

150 156.2 0.0 345.0

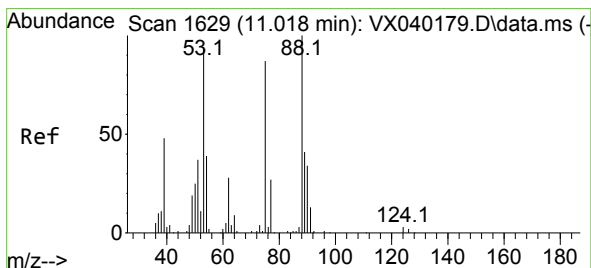
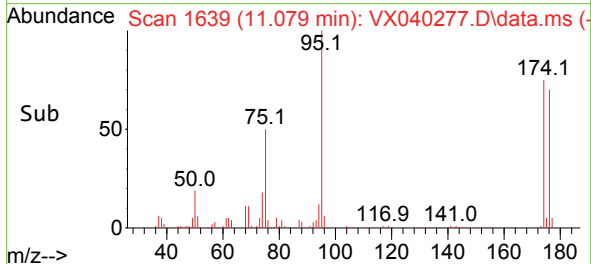
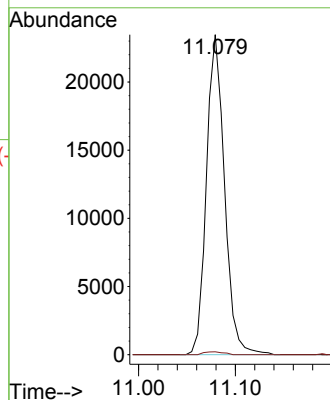
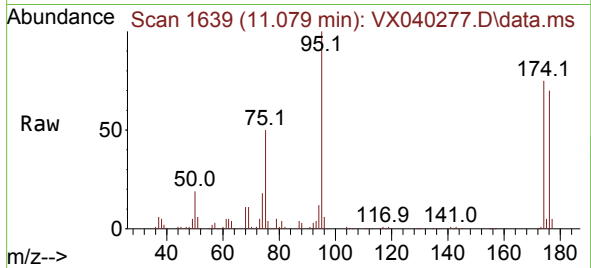




#76
1,2,3-Trichloropropane
Concen: 24.652 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20240214

Tgt Ion: 75 Resp: 30536
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.860 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040277.D
Acq: 16 Feb 2024 14:45

Tgt Ion: 75 Resp: 30536
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

