

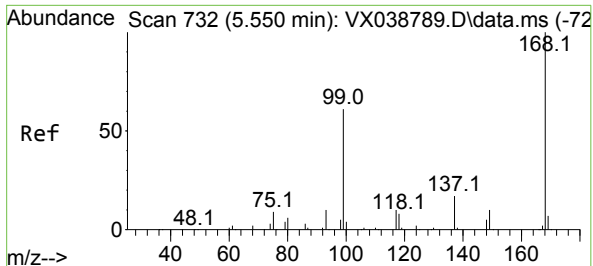
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038934.D
 Acq On : 18 Nov 2023 17:27
 Operator : JC/MD
 Sample : 05404-30
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20231110

Quant Time: Nov 20 04:37:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	98939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202518	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79622	49.943	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.880%
35) Dibromofluoromethane	5.385	113	65102	44.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.020%
50) Toluene-d8	8.647	98	253602	45.318	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.640%#
62) 4-Bromofluorobenzene	11.079	95	107179	47.844	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.680%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	2775	2.272	ug/l	90
12) 1,1-Dichloroethene	2.325	96	809	0.656	ug/l #	76
13) Acrolein	2.185	56	53	0.226	ug/l #	1
16) Acetone	2.374	43	760	0.896	ug/l #	83
20) Methylene Chloride	2.788	84	368	0.241	ug/l #	90
21) trans-1,2-Dichloroethene	3.099	96	680	0.500	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	2592	1.634	ug/l	87
31) Cyclohexane	5.544	56	2761	1.213	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	9119	4.350	ug/l #	50
38) Carbon Tetrachloride	5.684	117	599	0.309	ug/l #	80
39) Methylcyclohexane	7.123	83	5886	2.153	ug/l #	1
44) Trichloroethene	7.123	130	423213	280.425	ug/l	94
49) 1,4-Dioxane	7.678	88	597	14.571	ug/l #	93
55) 1,1,2-Trichloroethane	9.159	97	345	0.215	ug/l #	63
60) Dibromochloromethane	9.275	129	2829	1.733	ug/l #	11
64) Tetrachloroethene	9.275	164	2745	2.178	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	56517	23.041	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56517	51.108	ug/l #	5

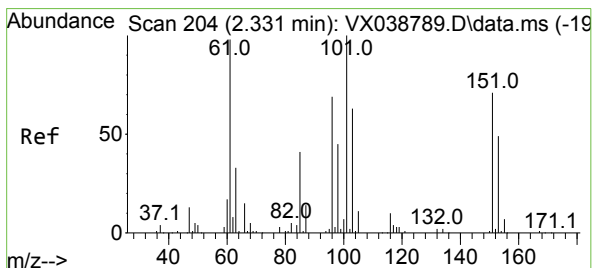
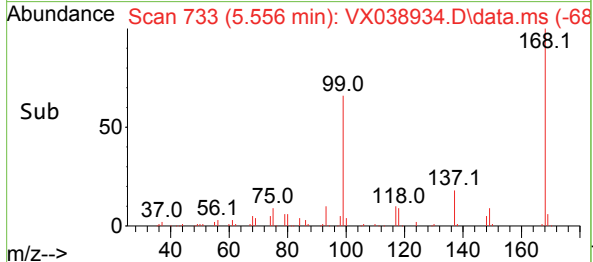
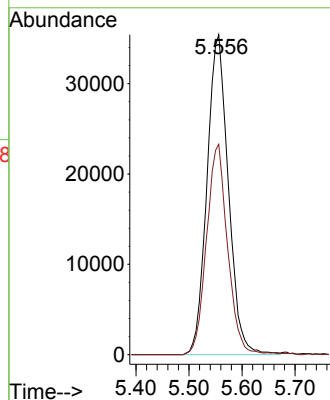
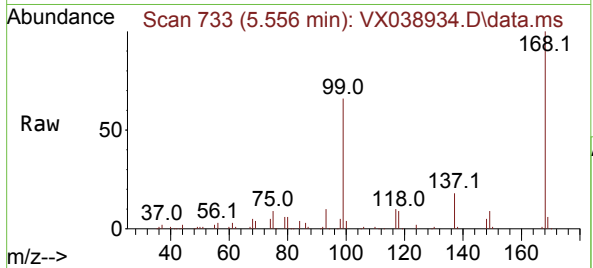
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

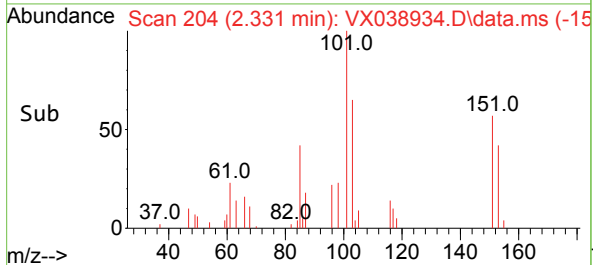
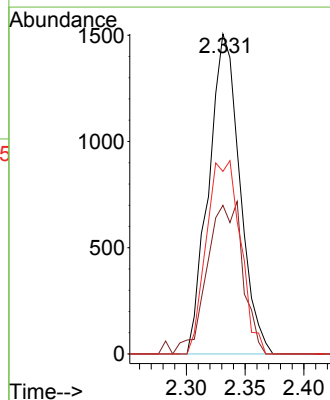
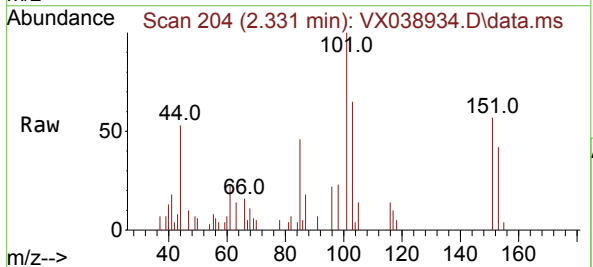
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20231110

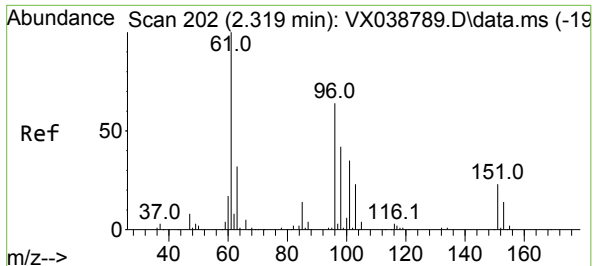
Tgt Ion:168 Resp: 98939
Ion Ratio Lower Upper
168 100
99 65.7 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.272 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

Tgt Ion:101 Resp: 2775
Ion Ratio Lower Upper
101 100
85 55.1 37.0 55.6
151 66.0 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.656 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038934.D

Acq: 18 Nov 2023 17:27

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20231110

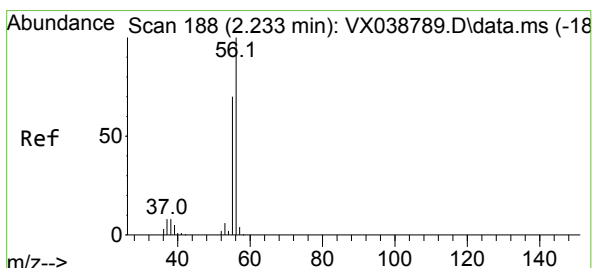
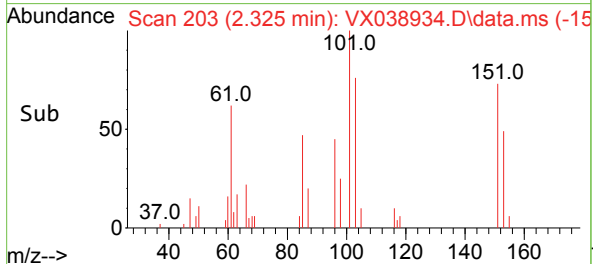
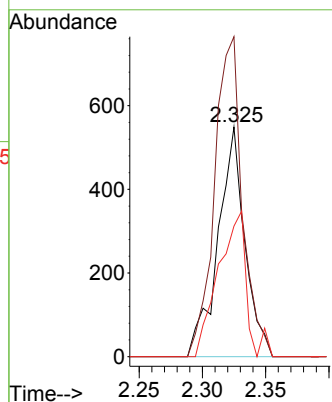
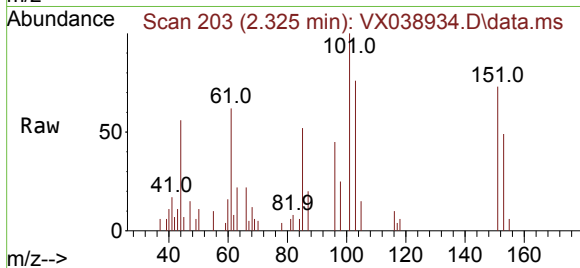
Tgt Ion: 96 Resp: 809

Ion Ratio Lower Upper

96 100

61 139.3 144.6 216.8#

98 56.8 50.4 75.6



#13

Acrolein

Concen: 0.226 ug/l

RT: 2.185 min Scan# 180

Delta R.T. -0.049 min

Lab File: VX038934.D

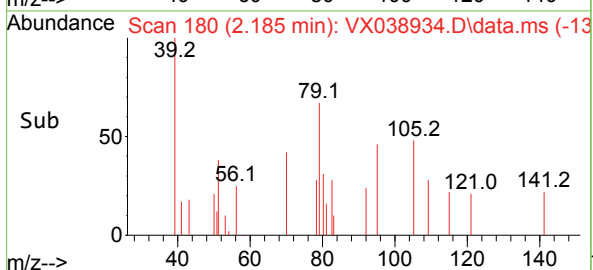
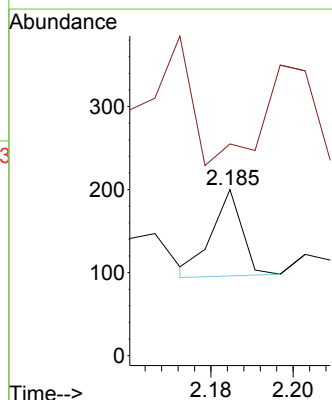
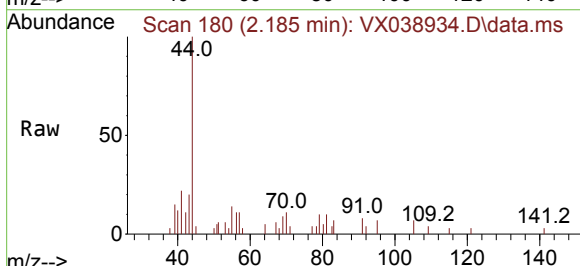
Acq: 18 Nov 2023 17:27

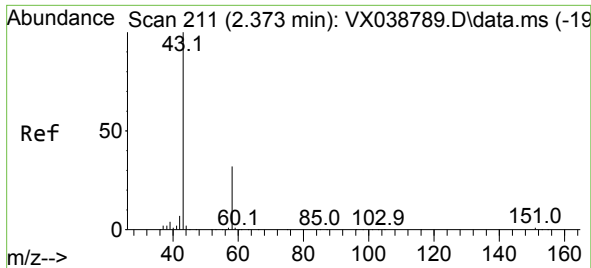
Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

55 154.7 57.1 85.7#





#16

Acetone

Concen: 0.896 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX038934.D

Acq: 18 Nov 2023 17:27

Instrument :

MSVOA_X

ClientSampleId :

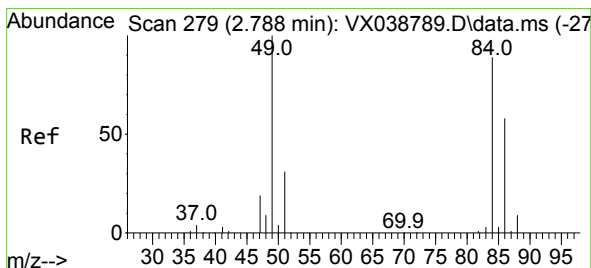
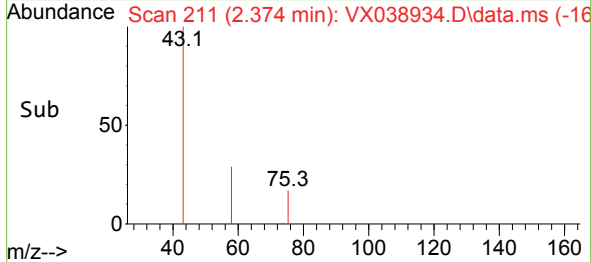
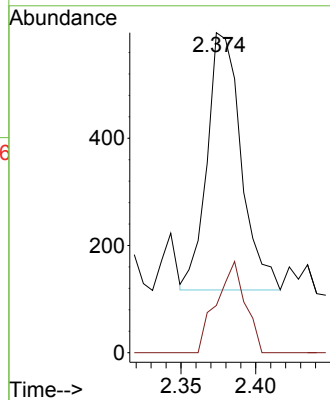
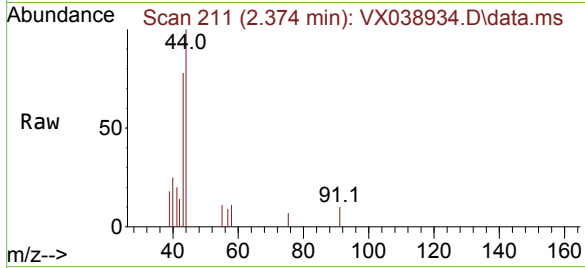
RE122D1-20231110

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

58 18.3 21.9 32.9#



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX038934.D

Acq: 18 Nov 2023 17:27

Tgt Ion: 84 Resp: 368

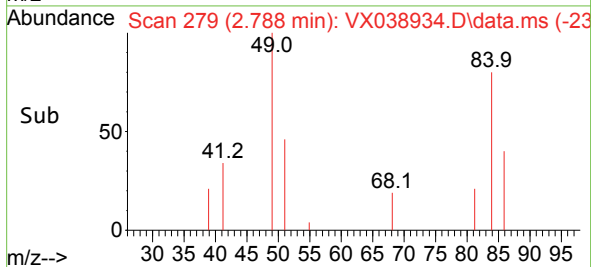
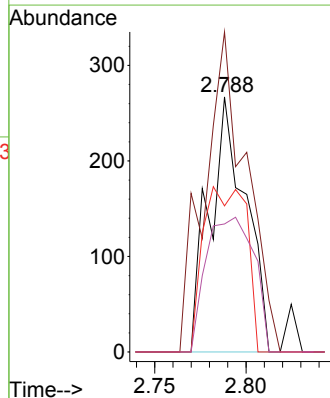
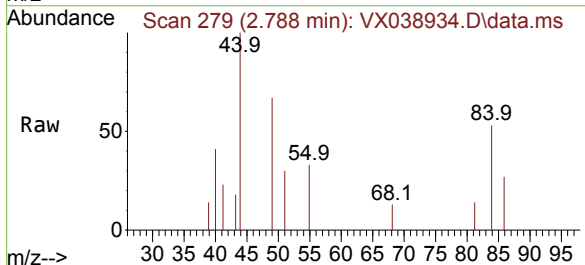
Ion Ratio Lower Upper

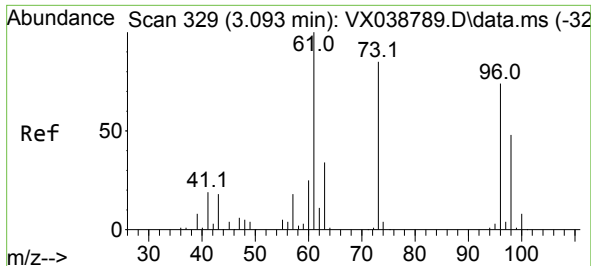
84 100

49 125.5 103.6 155.4

51 57.3 33.8 50.6#

86 50.2 49.4 74.0

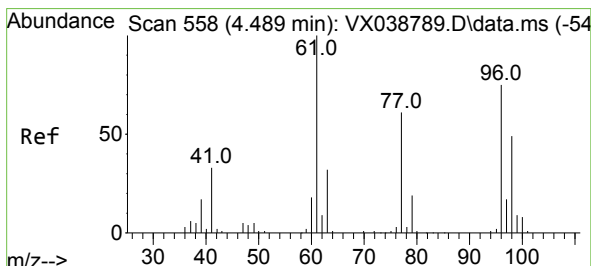
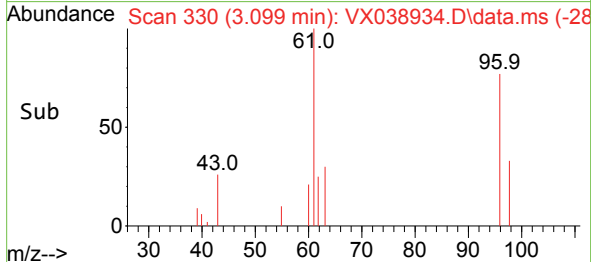
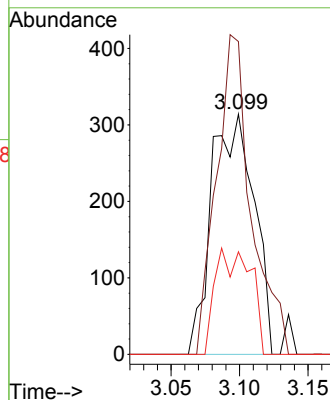
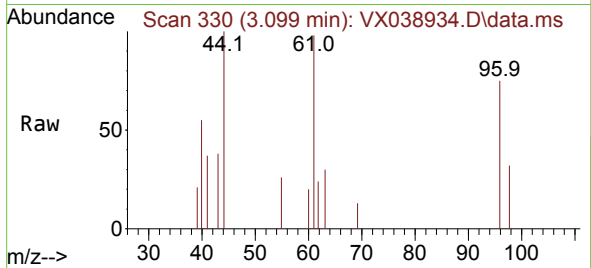




#21
trans-1,2-Dichloroethene
Concen: 0.500 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

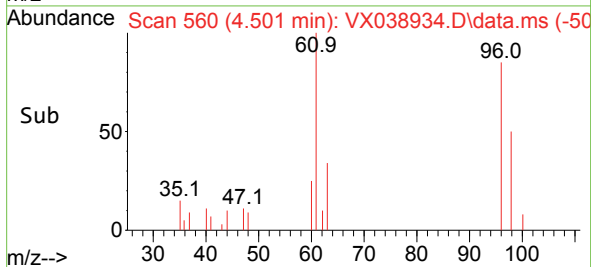
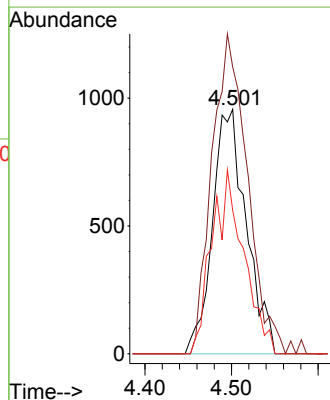
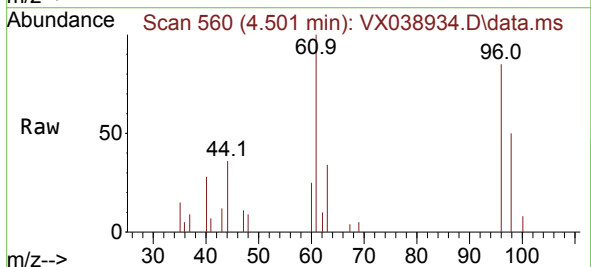
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20231110

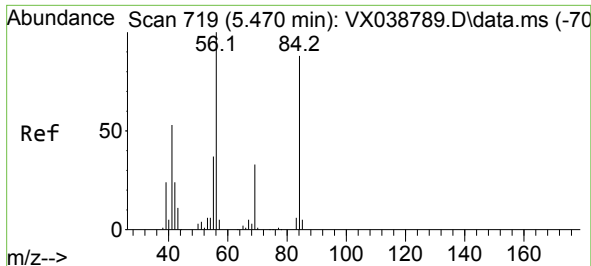
Tgt Ion: 96 Resp: 680
Ion Ratio Lower Upper
96 100
61 130.3 119.2 178.8
98 42.7 48.7 73.1#



#27
cis-1,2-Dichloroethene
Concen: 1.634 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

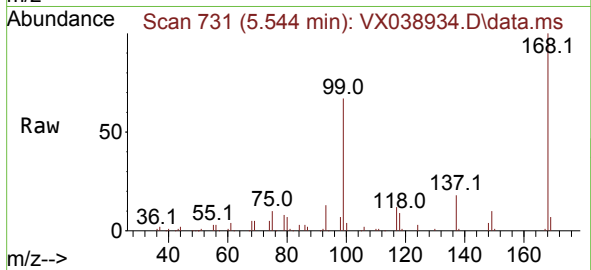
Tgt Ion: 96 Resp: 2592
Ion Ratio Lower Upper
96 100
61 137.0 0.0 312.2
98 71.0 0.0 129.0



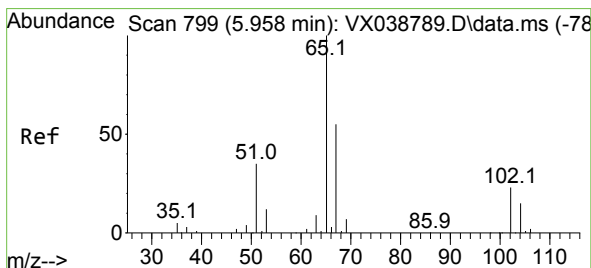
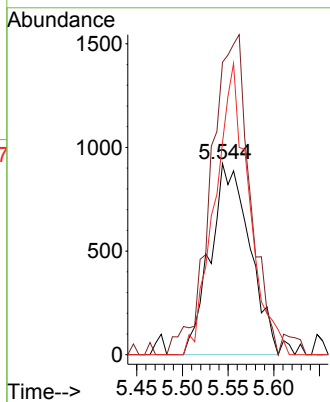
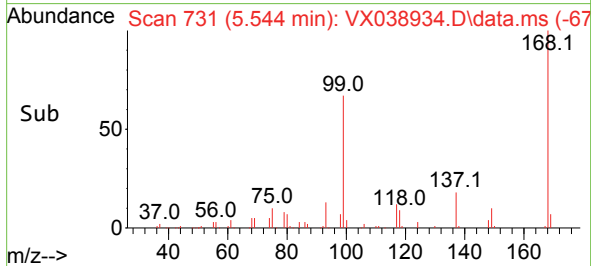


#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20231110

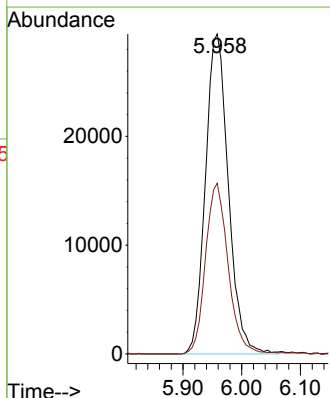
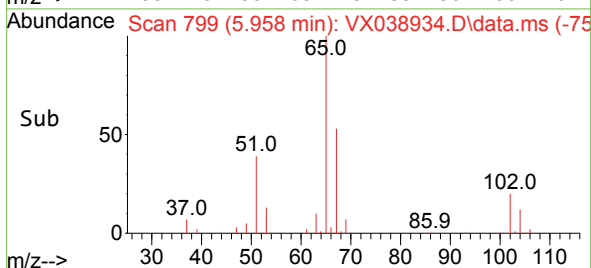
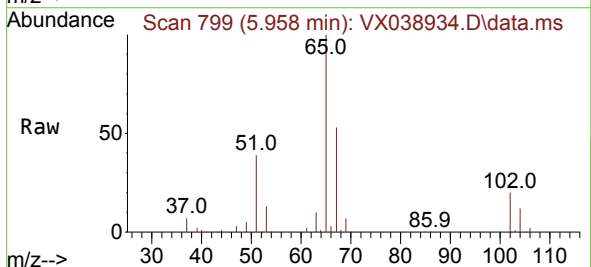


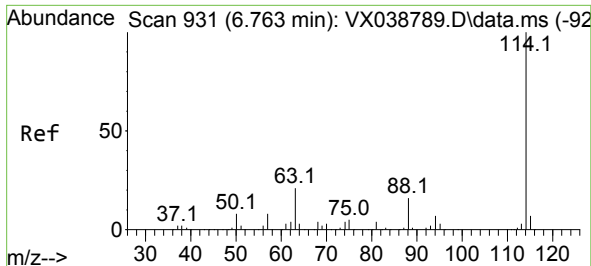
Tgt Ion: 56 Resp: 2761
Ion Ratio Lower Upper
56 100
69 153.0 23.4 35.2#
84 111.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.943 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

Tgt Ion: 65 Resp: 79622
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

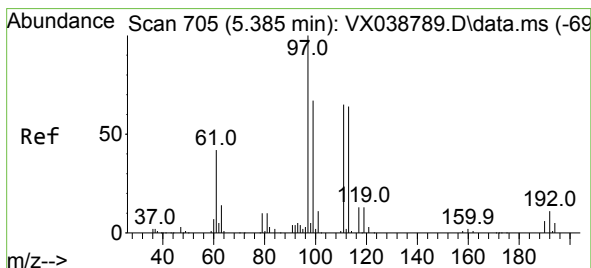
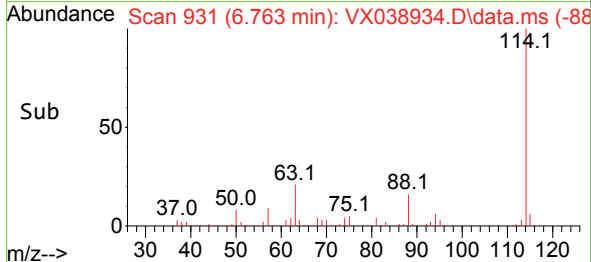
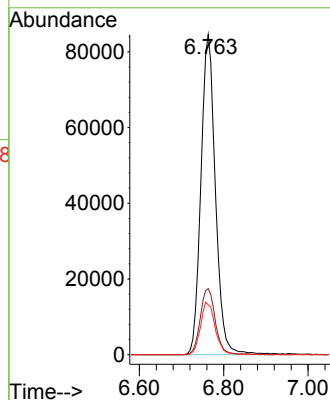
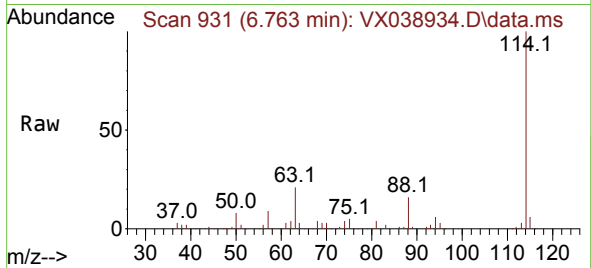




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

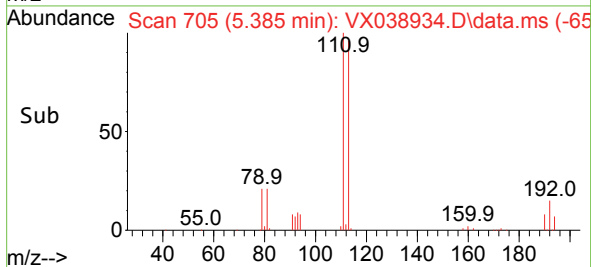
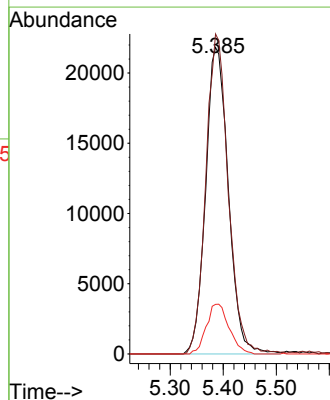
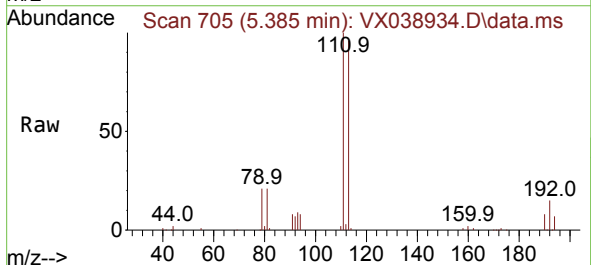
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20231110

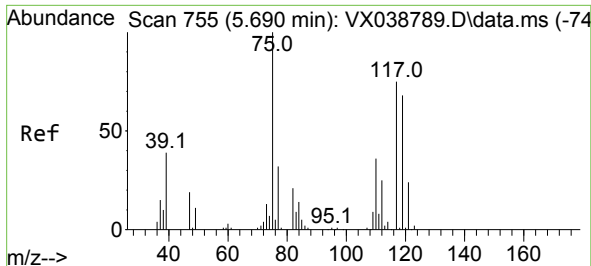
Tgt Ion:114 Resp: 202518
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.510 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

Tgt Ion:113 Resp: 65102
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 16.2 13.3 19.9

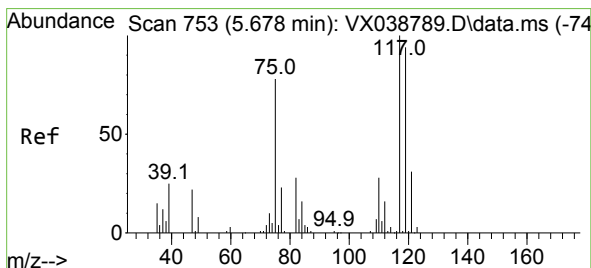
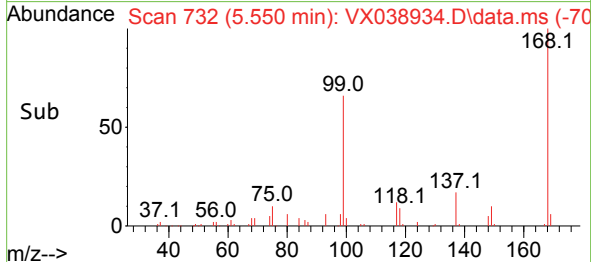
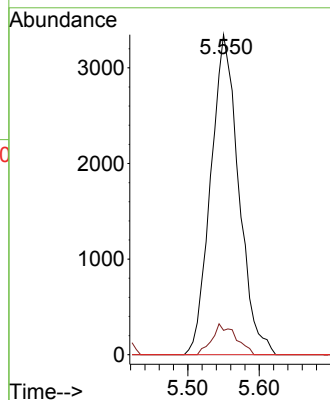
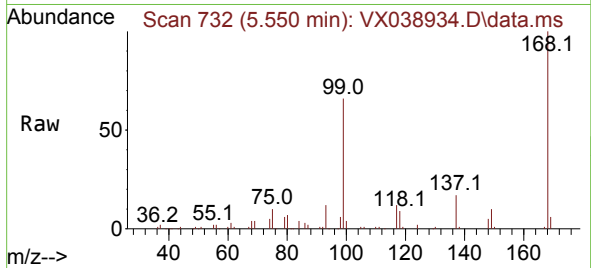




#36
1,1-Dichloropropene
Concen: 4.350 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

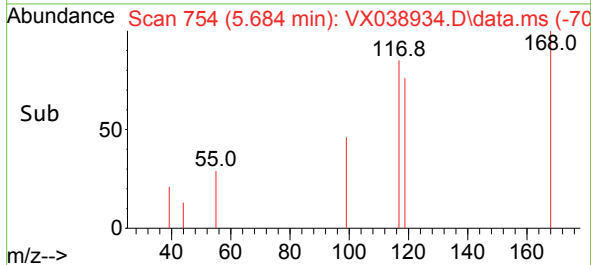
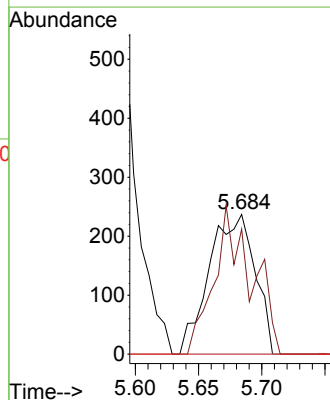
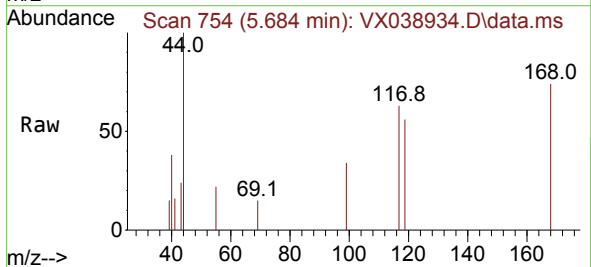
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20231110

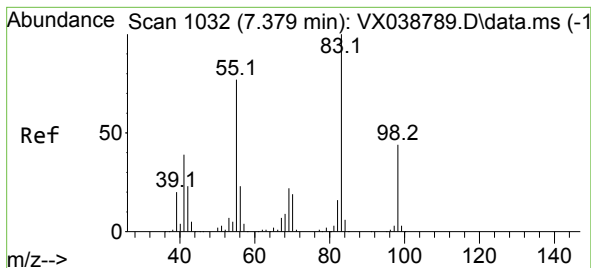
Tgt Ion: 75 Resp: 9119
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.309 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

Tgt Ion: 117 Resp: 599
Ion Ratio Lower Upper
117 100
119 89.5 78.2 117.2
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 2.153 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX038934.D

Acq: 18 Nov 2023 17:27

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20231110

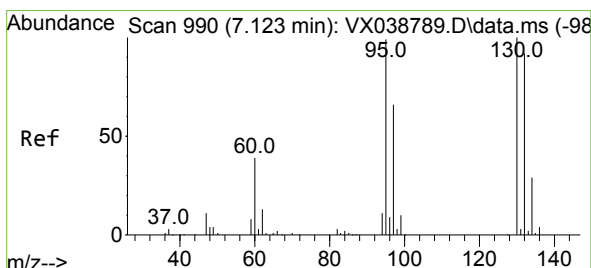
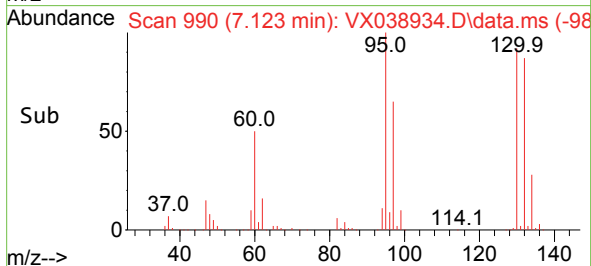
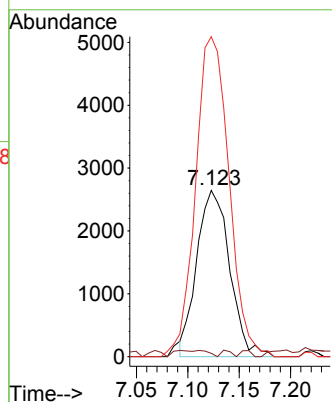
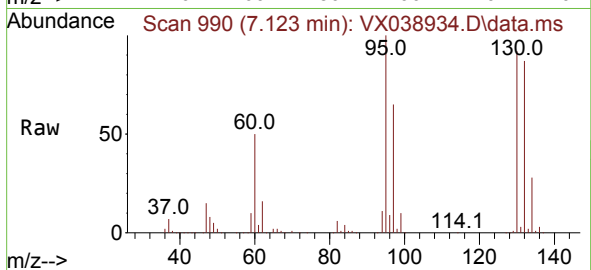
Tgt Ion: 83 Resp: 5886

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 192.5 36.7 55.1#



#44

Trichloroethene

Concen: 280.425 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX038934.D

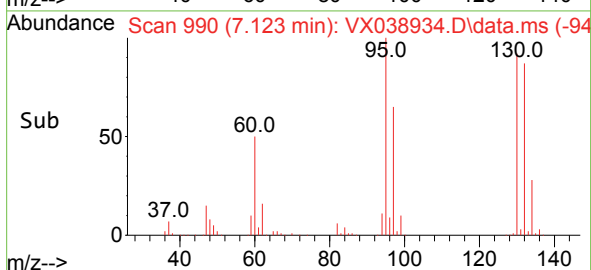
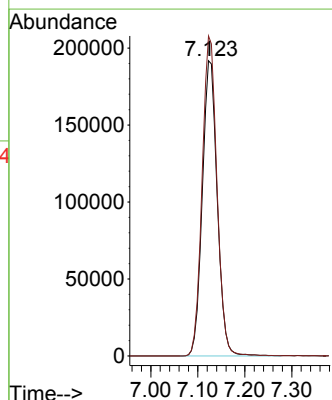
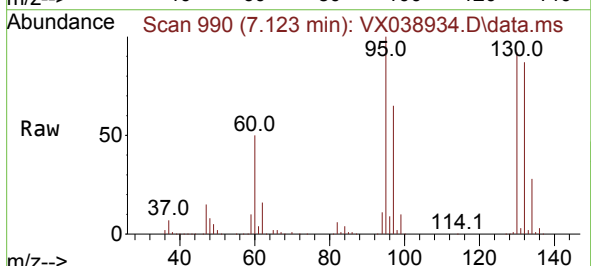
Acq: 18 Nov 2023 17:27

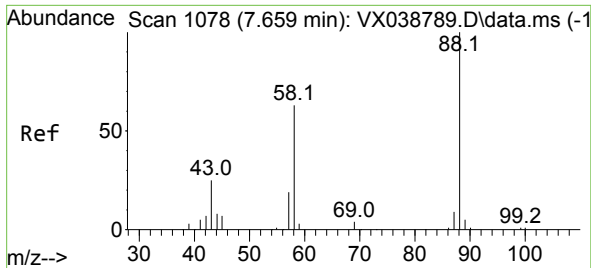
Tgt Ion:130 Resp: 423213

Ion Ratio Lower Upper

130 100

95 108.4 0.0 204.4

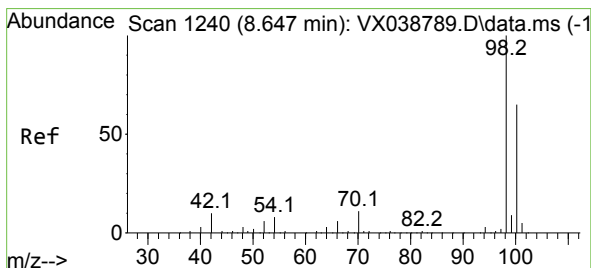
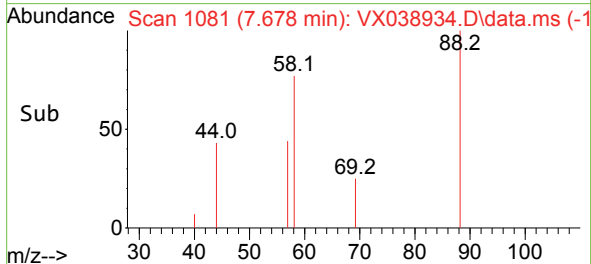
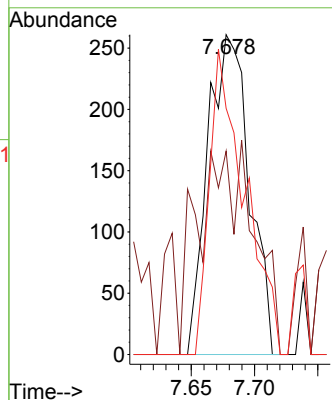
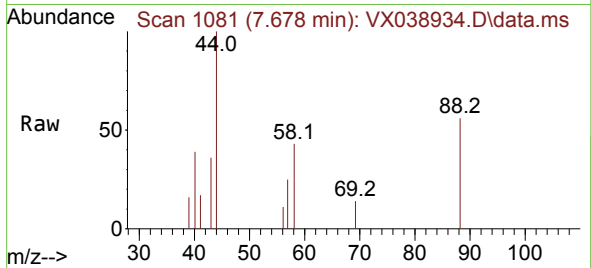




#49
1,4-Dioxane
Concen: 14.571 ug/l
RT: 7.678 min Scan# 1078
Delta R.T. 0.018 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

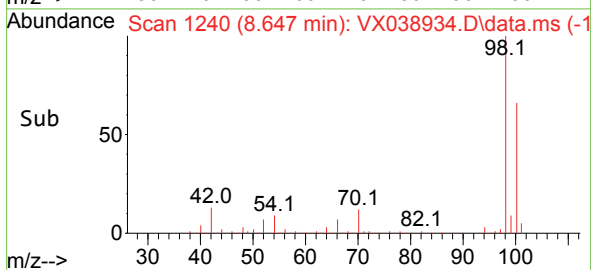
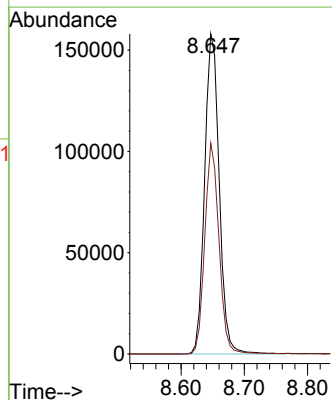
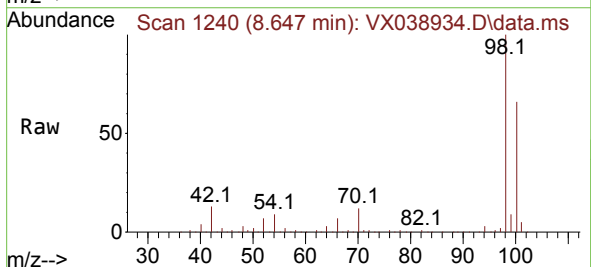
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20231110

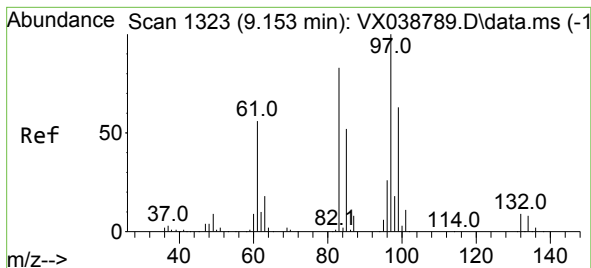
Tgt Ion: 88 Resp: 597
Ion Ratio Lower Upper
88 100
43 87.1 0.0 0.0#
58 80.9 60.1 90.1



#50
Toluene-d8
Concen: 45.318 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

Tgt Ion: 98 Resp: 253602
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7





#55

1,1,2-Trichloroethane

Concen: 0.215 ug/l

RT: 9.159 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038934.D

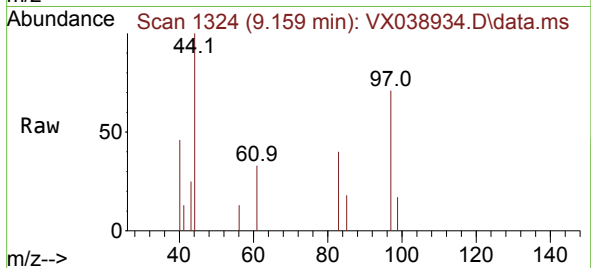
Acq: 18 Nov 2023 17:27

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20231110



Tgt Ion: 97 Resp: 345

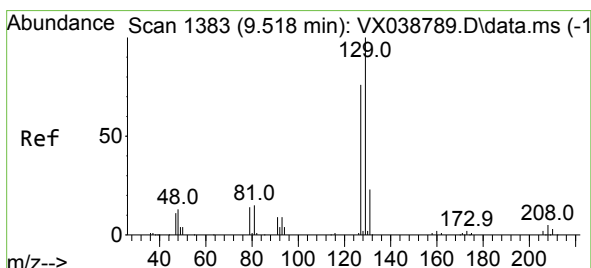
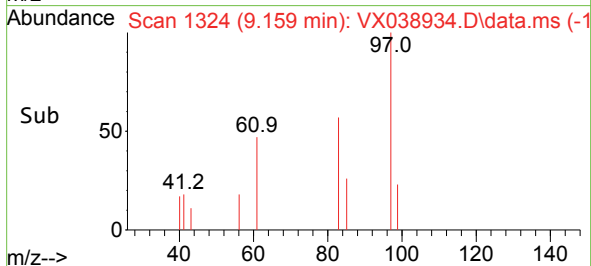
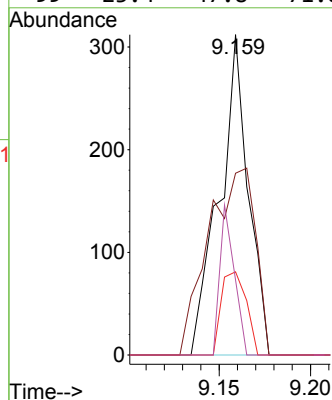
Ion Ratio Lower Upper

97 100

83 56.7 65.8 98.8#

85 26.0 41.6 62.4#

99 23.4 47.8 71.8#



#60

Dibromochloromethane

Concen: 1.733 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX038934.D

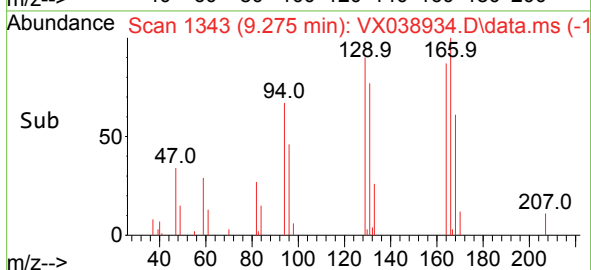
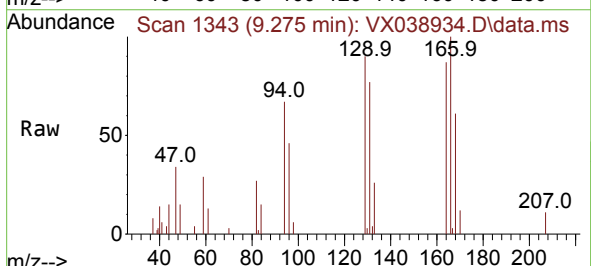
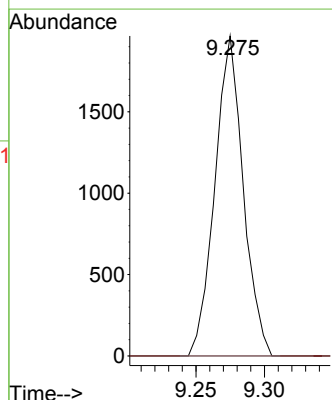
Acq: 18 Nov 2023 17:27

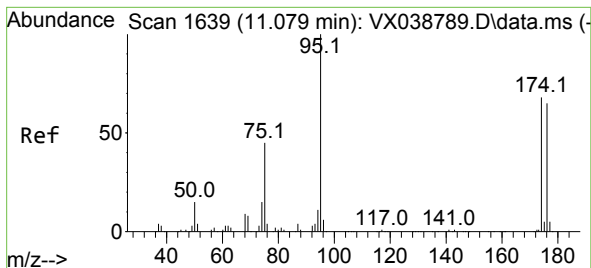
Tgt Ion:129 Resp: 2829

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

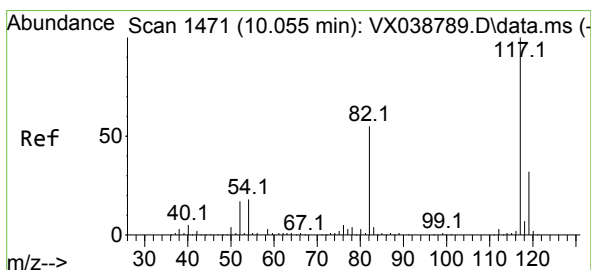
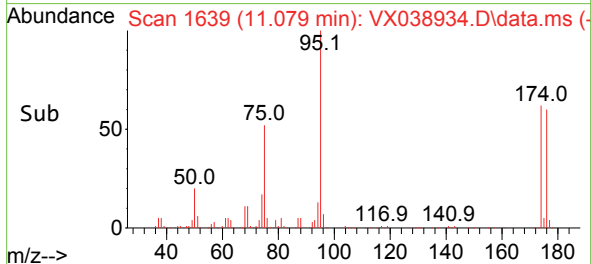
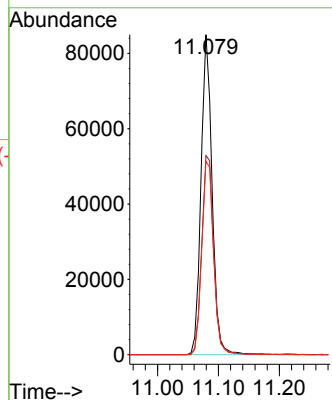
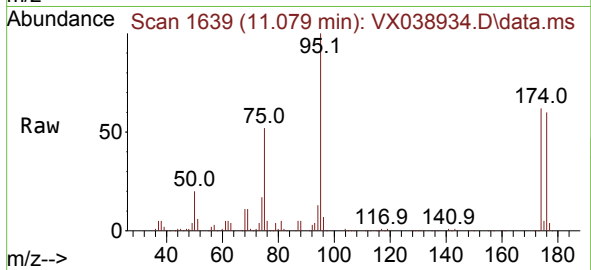




#62
4-Bromofluorobenzene
Concen: 47.844 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

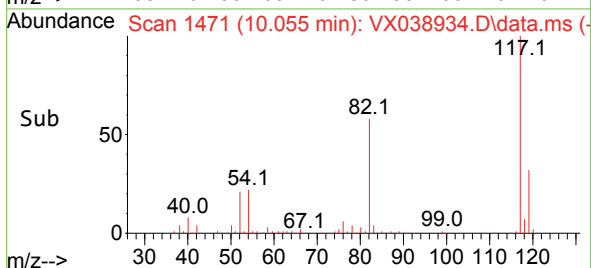
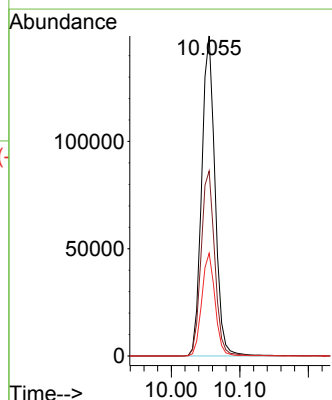
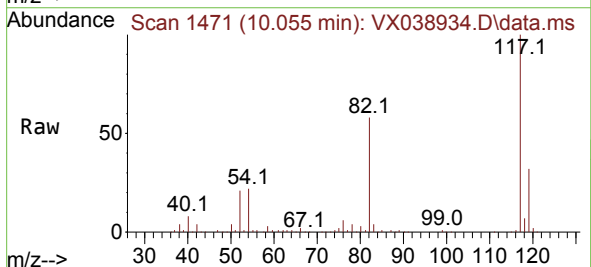
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20231110

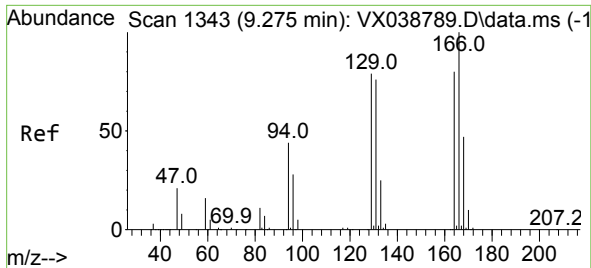
Tgt Ion: 95 Resp: 107179
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.6
176 64.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

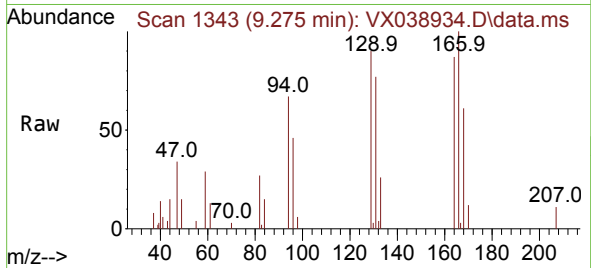
Tgt Ion: 117 Resp: 202769
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.4
119 32.1 25.5 38.3



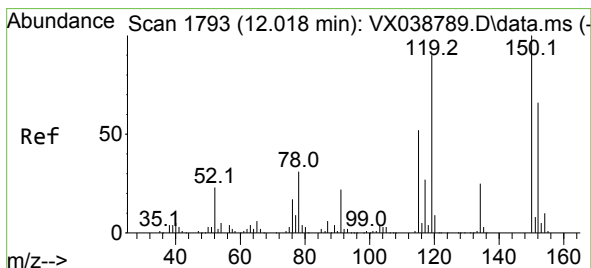
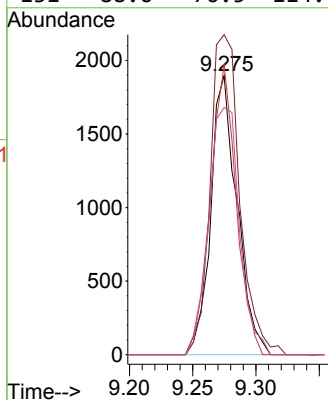
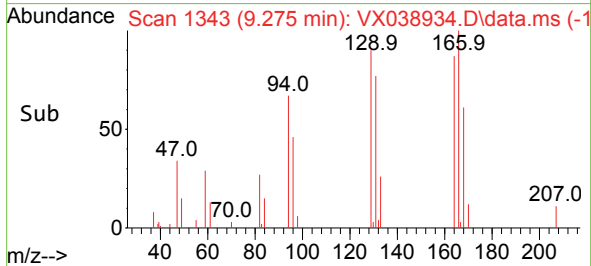


#64
Tetrachloroethene
Concen: 2.178 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27

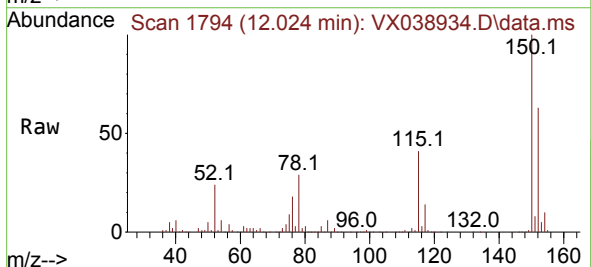
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20231110



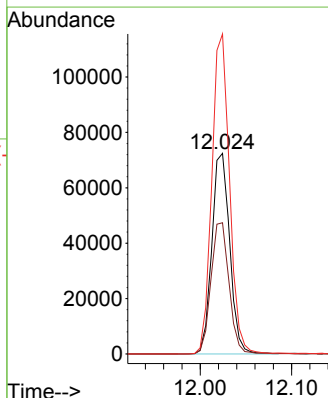
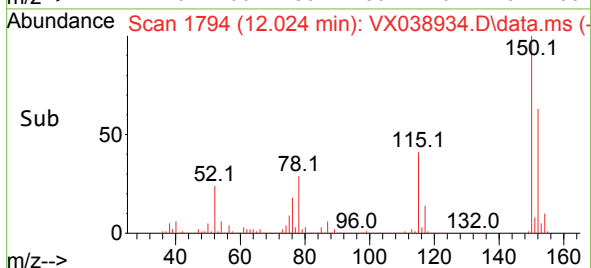
Tgt Ion:164 Resp: 2745
Ion Ratio Lower Upper
164 100
166 114.7 102.7 154.1
129 103.7 80.4 120.6
131 88.6 76.5 114.7

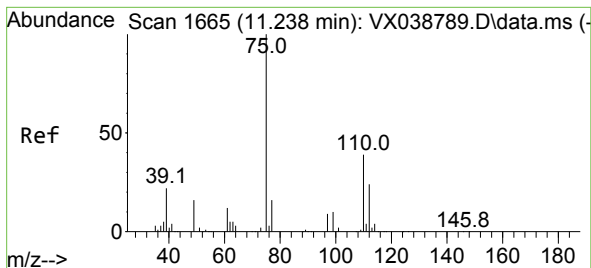


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038934.D
Acq: 18 Nov 2023 17:27



Tgt Ion:152 Resp: 98311
Ion Ratio Lower Upper
152 100
115 66.3 43.3 129.9
150 158.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.041 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038934.D

Acq: 18 Nov 2023 17:27

Instrument :

MSVOA_X

ClientSampleId :

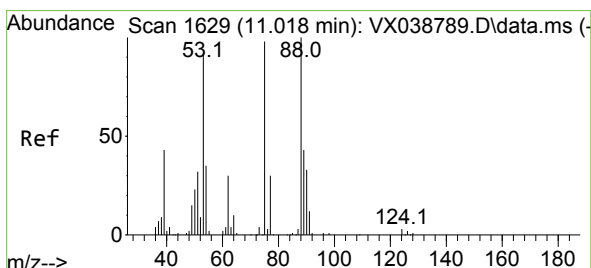
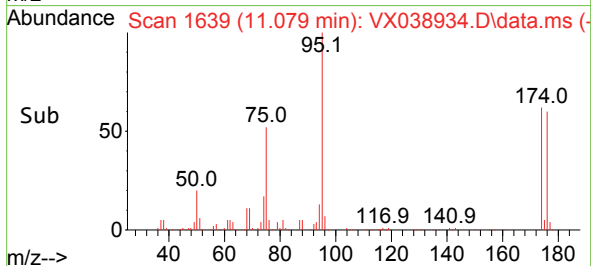
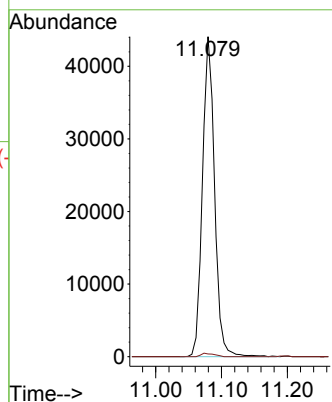
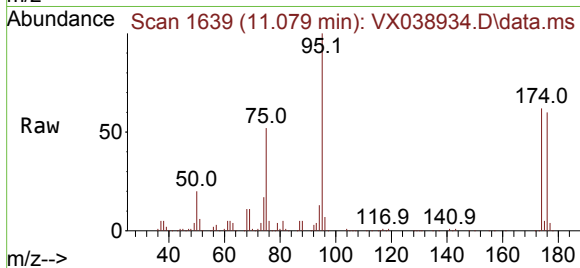
RE122D1-20231110

Tgt Ion: 75 Resp: 56517

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.108 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038934.D

Acq: 18 Nov 2023 17:27

Tgt Ion: 75 Resp: 56517

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

