

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040521.D
 Acq On : 28 Feb 2024 19:07
 Operator : JC/MD
 Sample : P1615-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20240226

Quant Time: Feb 29 03:54:34 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)

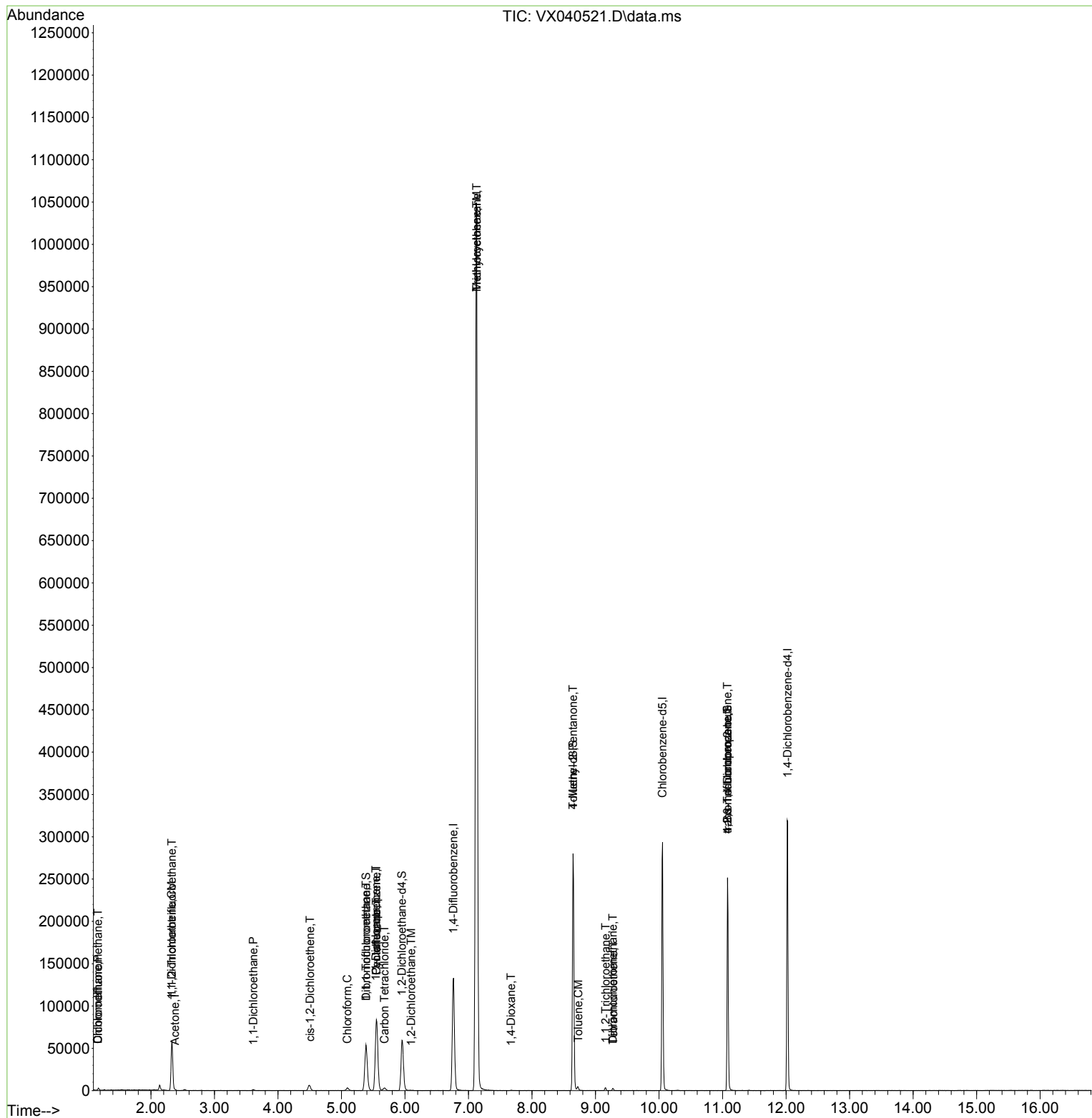
Internal Standards						
1) Pentafluorobenzene	5.550	168	73507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60421	49.145	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.280%		
35) Dibromofluoromethane	5.385	113	44087	49.970	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.940%		
50) Toluene-d8	8.647	98	159672	49.858	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.720%		
62) 4-Bromofluorobenzene	11.079	95	63324	51.872	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1110	1.213	ug/l	96
3) Chloromethane	1.166	50	212	0.234	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	19328	23.171	ug/l	97
12) 1,1-Dichloroethene	2.325	96	3003	3.586	ug/l	88
16) Acetone	2.380	43	1126	2.808	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	1498	0.872	ug/l #	83
27) cis-1,2-Dichloroethene	4.507	96	3739	3.578	ug/l	90
30) Chloroform	5.093	83	3241	1.778	ug/l	94
31) Cyclohexane	5.550	56	2139	1.536	ug/l #	38
32) 1,1,1-Trichloroethane	5.385	97	463	0.298	ug/l #	49
36) 1,1-Dichloropropene	5.544	75	6844	5.035	ug/l #	46
38) Carbon Tetrachloride	5.678	117	2469	1.880	ug/l	87
39) Methylcyclohexane	7.129	83	4841	3.299	ug/l #	1
42) 1,2-Dichloroethane	6.099	62	382	0.251	ug/l #	77
44) Trichloroethene	7.129	130	372979	376.847	ug/l	99
49) 1,4-Dioxane	7.671	88	351	15.904	ug/l #	94
51) 4-Methyl-2-Pentanone	8.647	43	859	0.557	ug/l #	1
52) Toluene	8.726	92	1685	0.746	ug/l	95
55) 1,1,2-Trichloroethane	9.159	97	991	1.057	ug/l #	75
60) Dibromochloromethane	9.275	129	420	0.413	ug/l #	11
64) Tetrachloroethene	9.281	164	454	0.527	ug/l #	75
76) 1,2,3-Trichloropropane	11.079	75	36729	26.167	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	36729	76.128	ug/l #	5

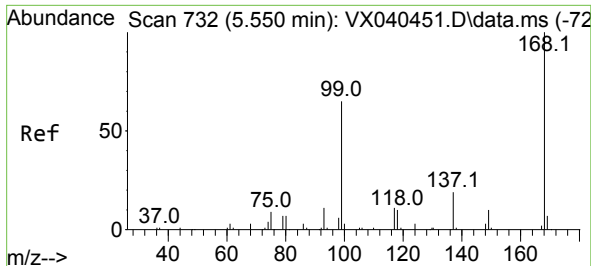
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 2024
Response via : Initial Calibration

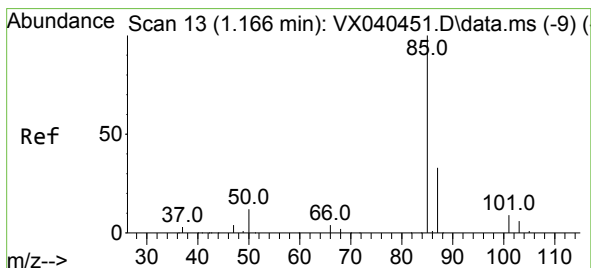
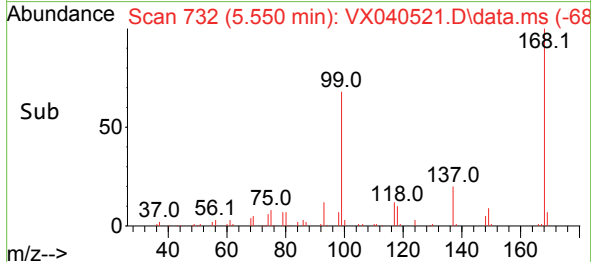
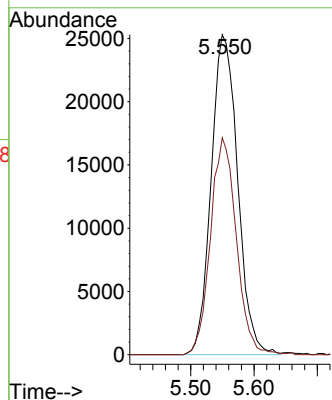
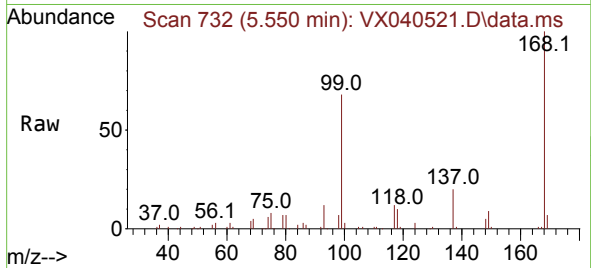




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

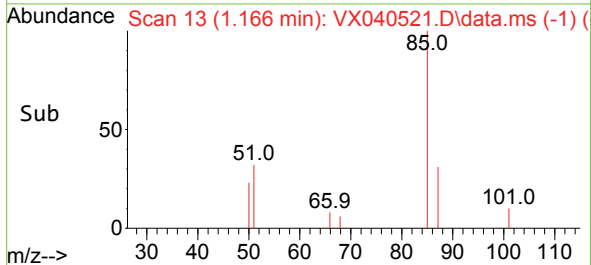
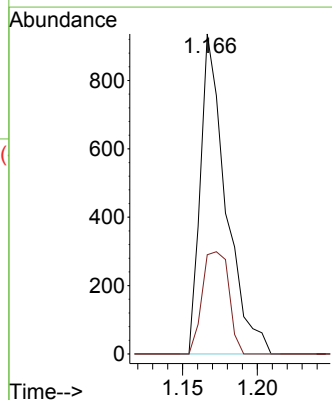
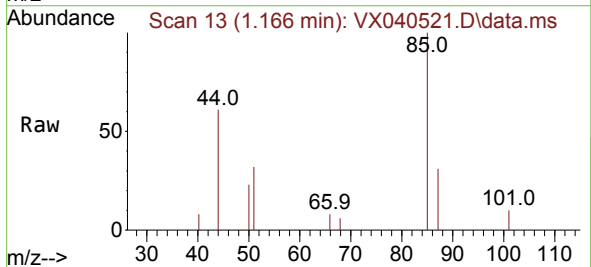
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

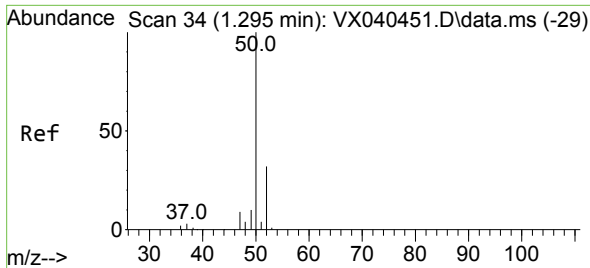
Tgt Ion:168 Resp: 73507
Ion Ratio Lower Upper
168 100
99 67.8 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 1.213 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion: 85 Resp: 1110
Ion Ratio Lower Upper
85 100
87 31.0 16.7 50.1

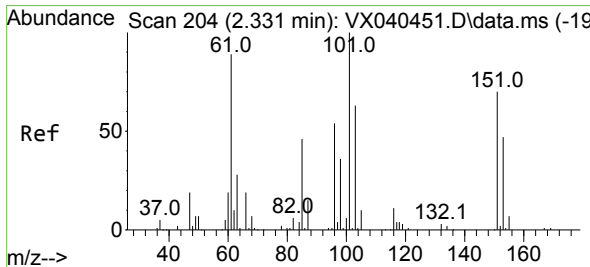
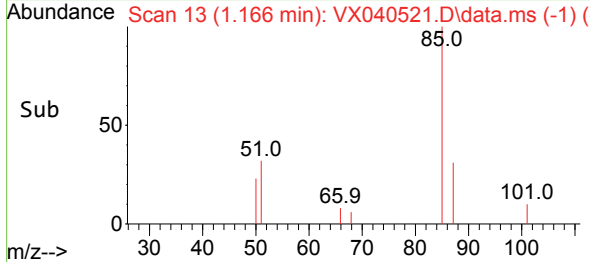
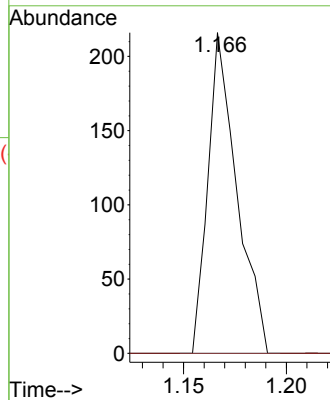
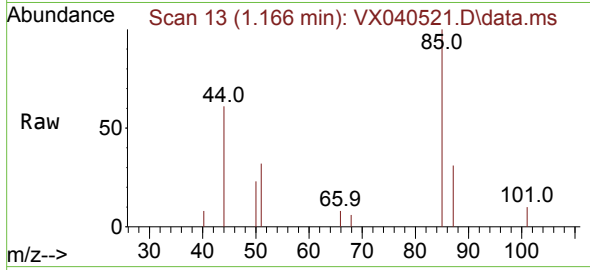




#3
Chloromethane
Concen: 0.234 ug/l
RT: 1.166 min Scan# 11
Delta R.T. -0.128 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

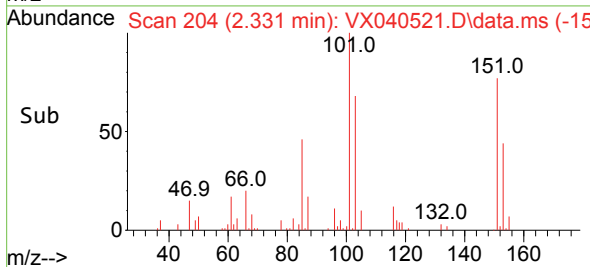
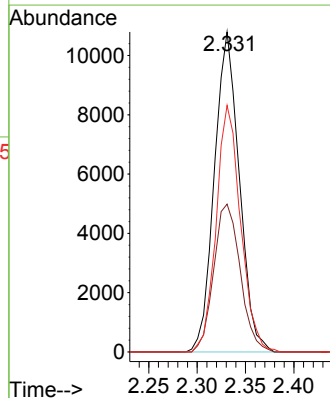
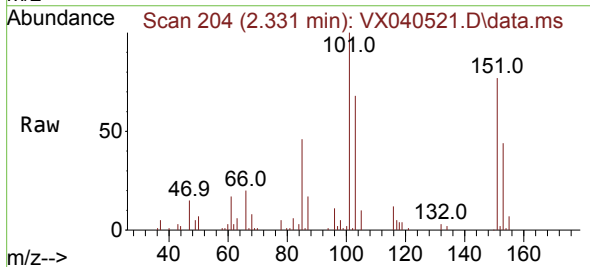
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

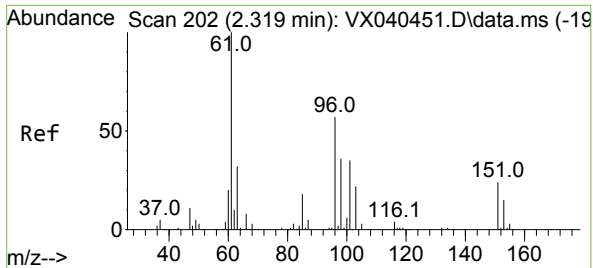
Tgt Ion: 50 Resp: 212
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.171 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion: 101 Resp: 19328
Ion Ratio Lower Upper
101 100
85 49.1 37.0 55.6
151 75.3 58.6 87.8

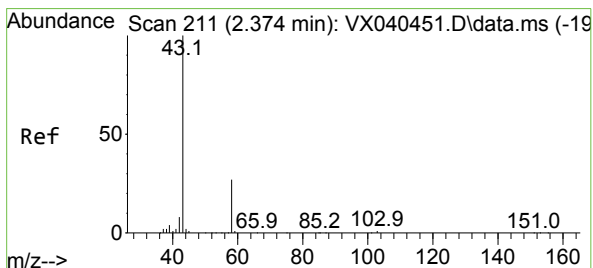
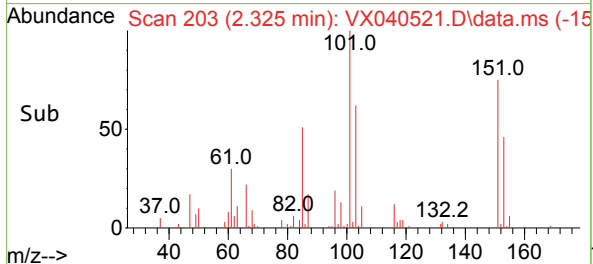
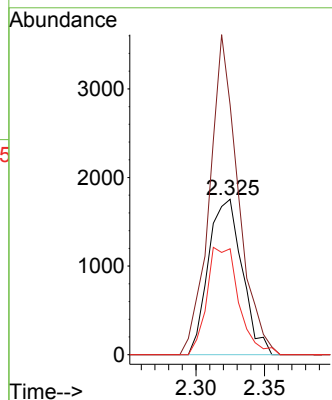
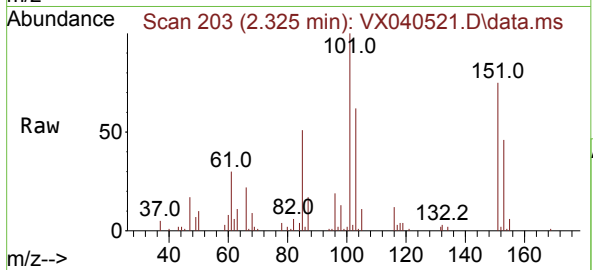




#12
1,1-Dichloroethene
Concen: 3.586 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

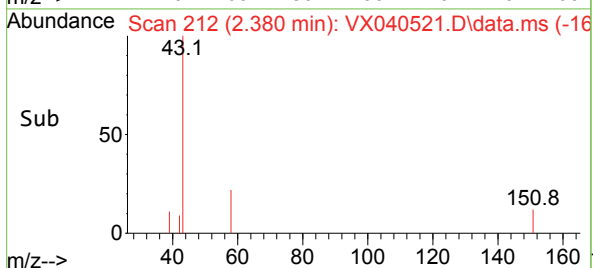
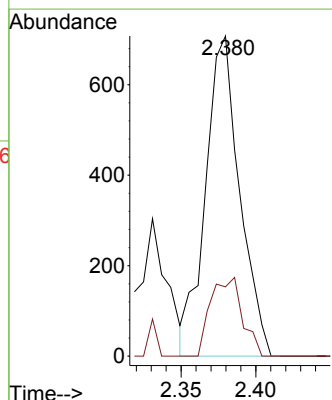
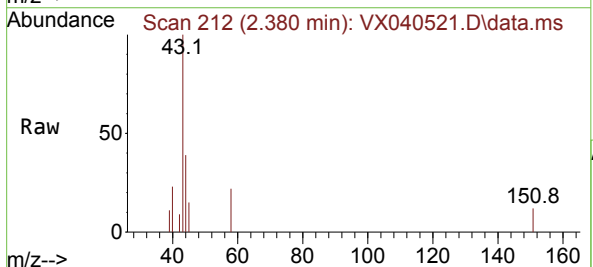
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

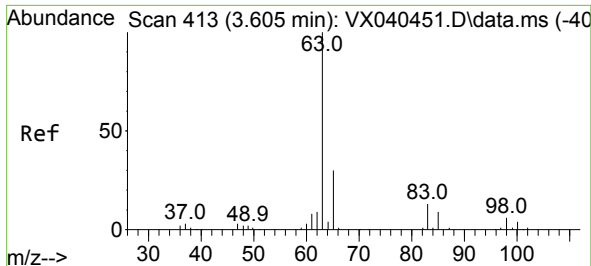
Tgt Ion: 96 Resp: 3003
Ion Ratio Lower Upper
96 100
61 160.8 144.6 216.8
98 68.2 50.4 75.6



#16
Acetone
Concen: 2.808 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
58 21.6 21.9 32.9#





#24

1,1-Dichloroethane

Concen: 0.872 ug/l

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX040521.D

Acq: 28 Feb 2024 19:07

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20240226

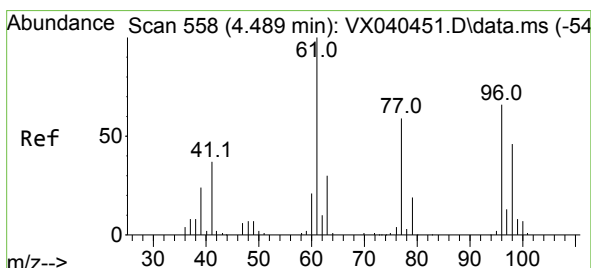
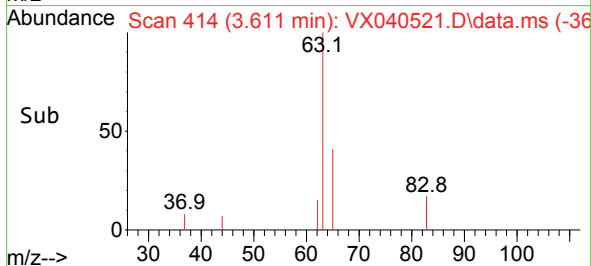
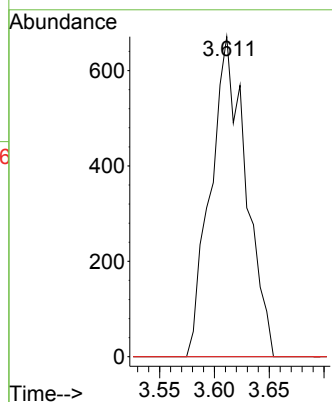
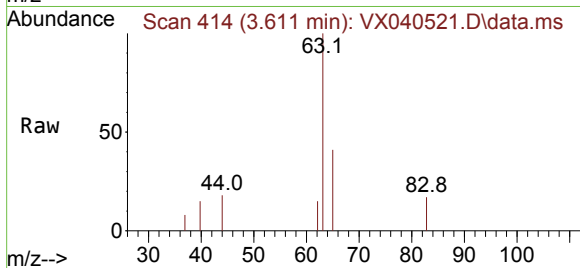
Tgt Ion: 63 Resp: 1498

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: 3.578 ug/l

RT: 4.507 min Scan# 561

Delta R.T. 0.018 min

Lab File: VX040521.D

Acq: 28 Feb 2024 19:07

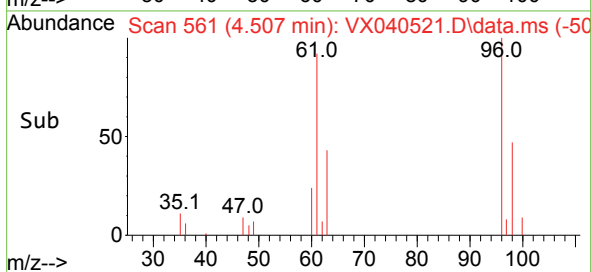
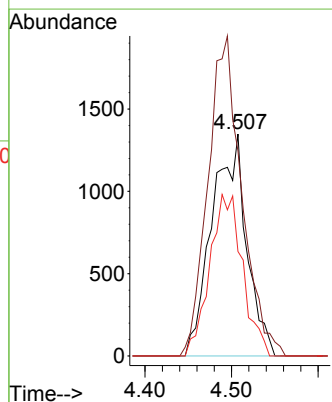
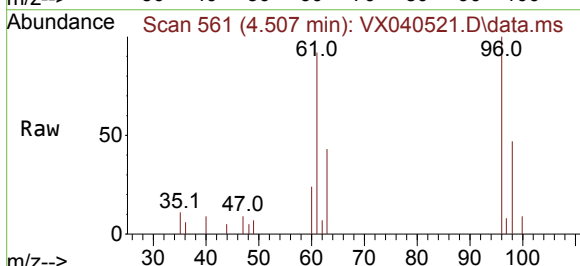
Tgt Ion: 96 Resp: 3739

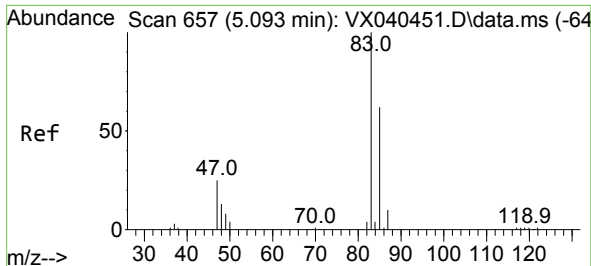
Ion Ratio Lower Upper

96 100

61 140.9 0.0 312.2

98 69.0 0.0 129.0





#30

Chloroform

Concen: 1.778 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX040521.D

Acq: 28 Feb 2024 19:07

Instrument :

MSVOA_X

ClientSampleId :

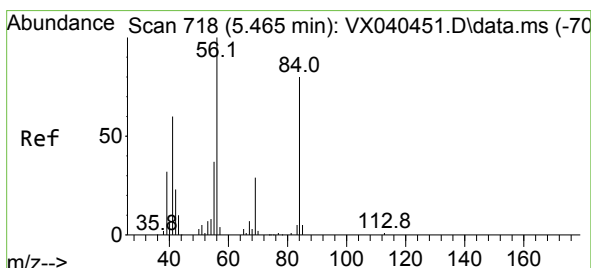
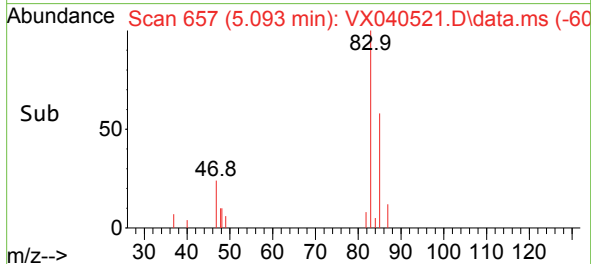
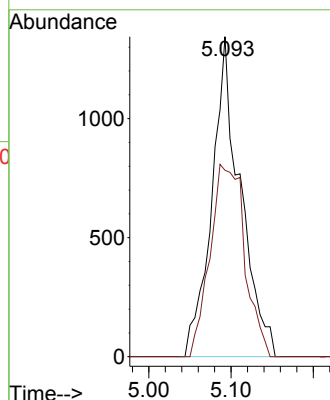
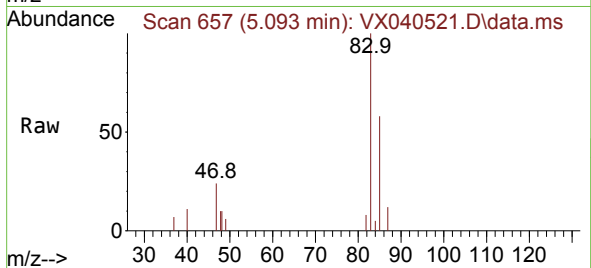
RE114D1-20240226

Tgt Ion: 83 Resp: 3241

Ion Ratio Lower Upper

83 100

85 58.3 50.3 75.5



#31

Cyclohexane

Concen: 1.536 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX040521.D

Acq: 28 Feb 2024 19:07

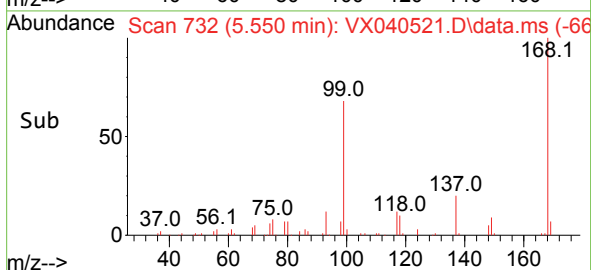
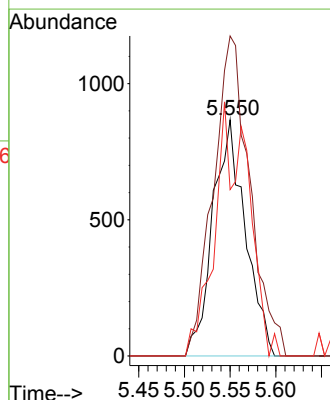
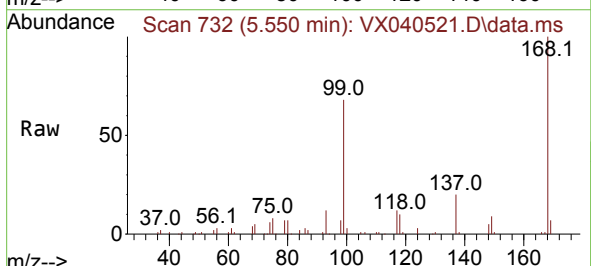
Tgt Ion: 56 Resp: 2139

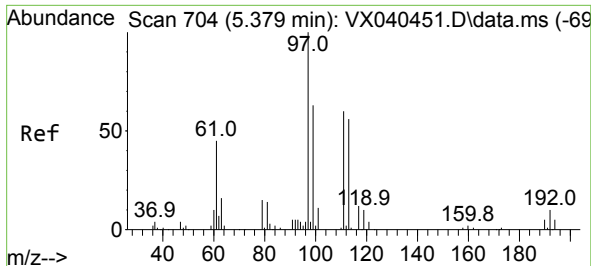
Ion Ratio Lower Upper

56 100

69 135.5 23.4 35.2#

84 70.5 65.9 98.9

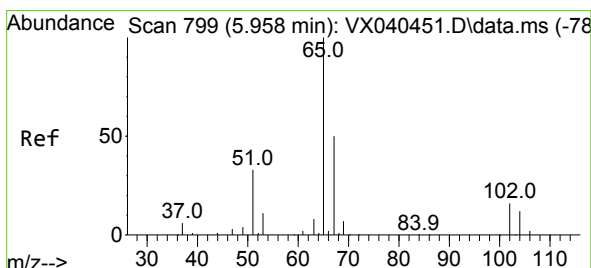
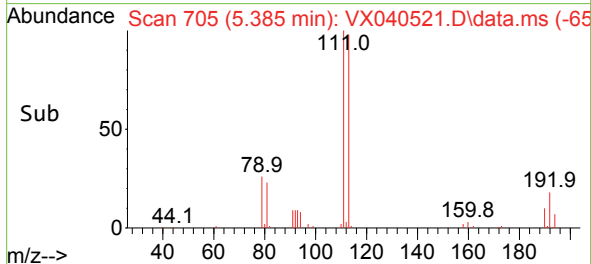
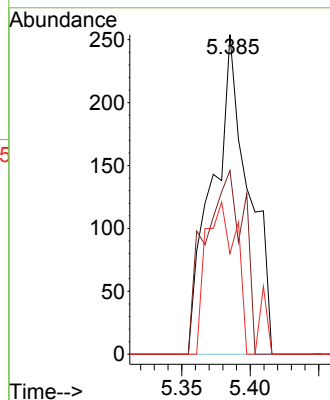
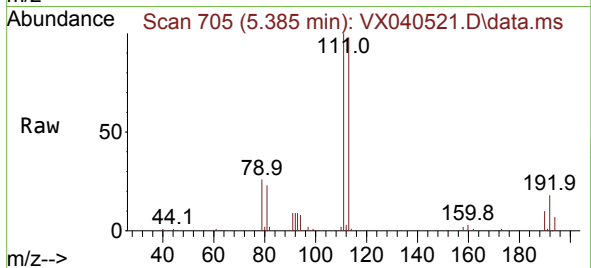




#32
1,1,1-Trichloroethane
Concen: 0.298 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

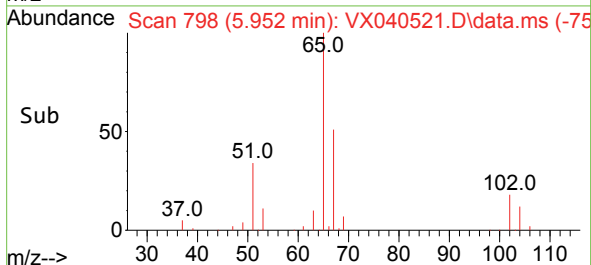
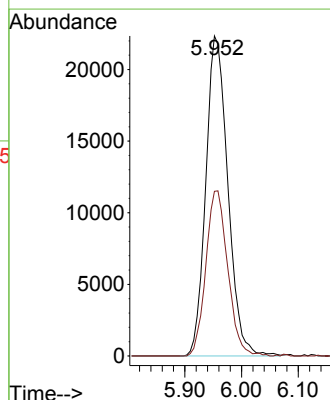
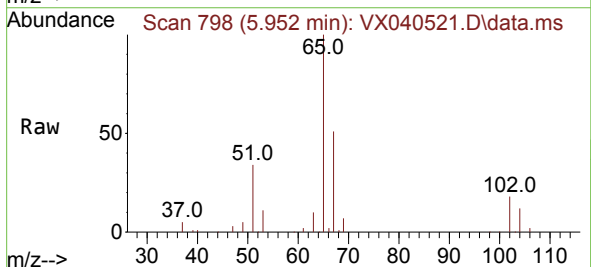
Instrument :
MSVOA_X
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RE114D1-20240226

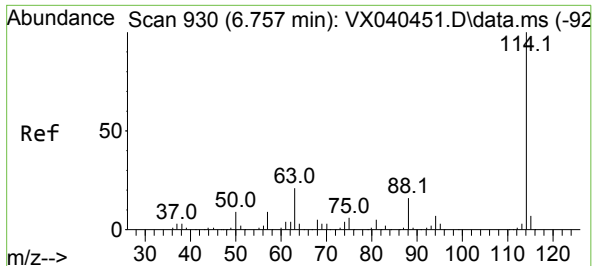
Tgt Ion: 97 Resp: 463
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 40.0 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 49.145 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion: 65 Resp: 60421
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2

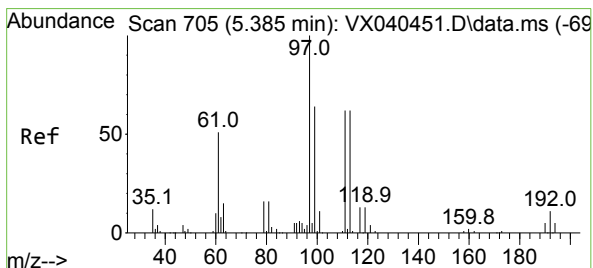
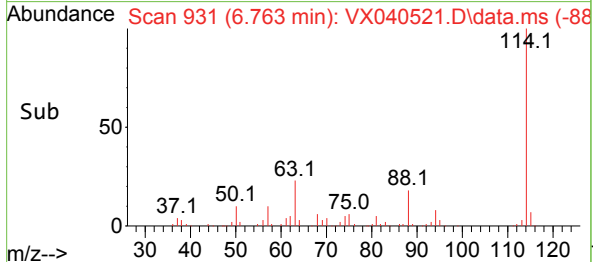
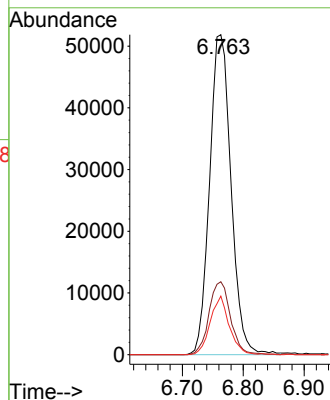
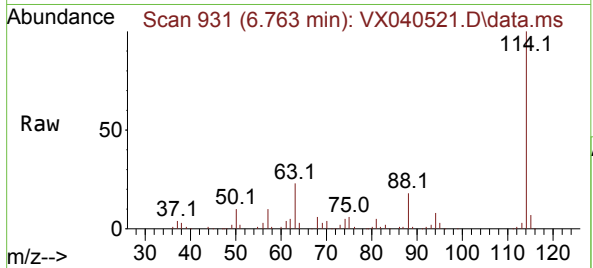




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

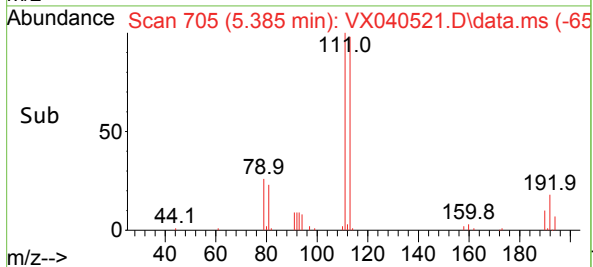
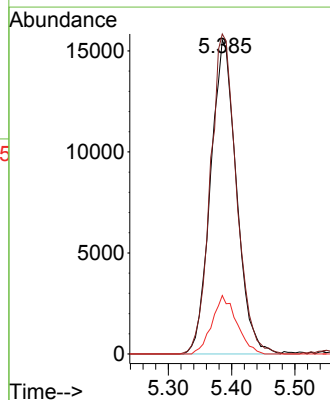
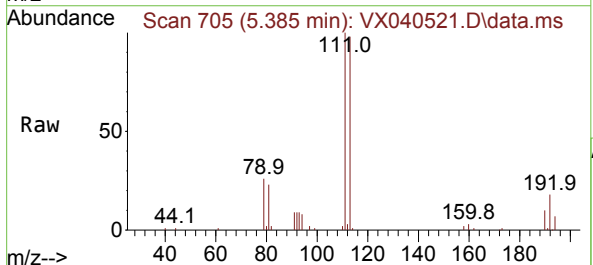
Instrument :
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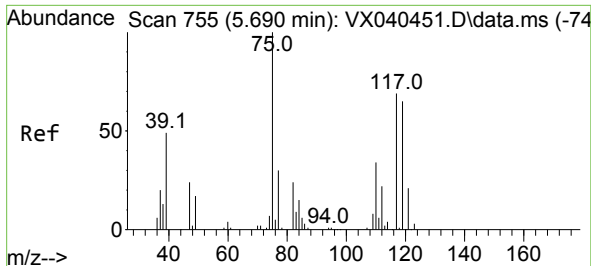
Tgt Ion:114 Resp: 126873
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.0
88 18.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.970 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion:113 Resp: 44087
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 17.7 13.3 19.9

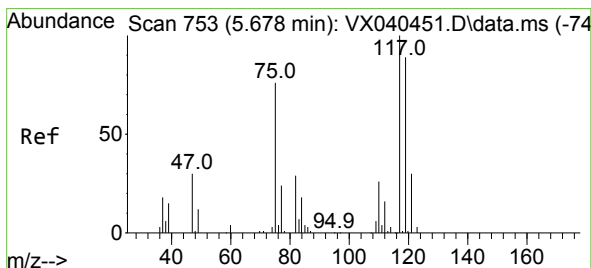
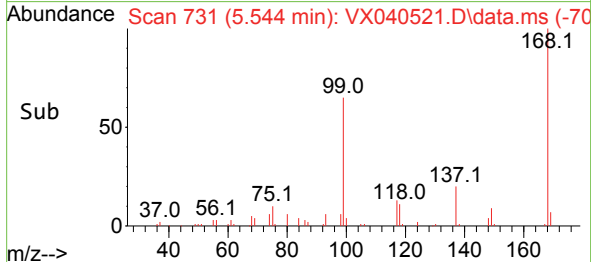
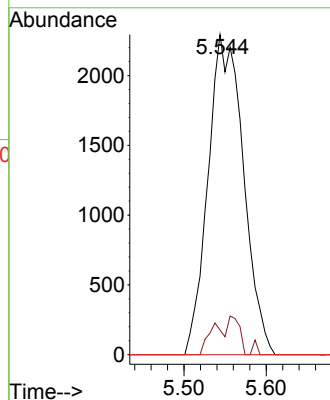
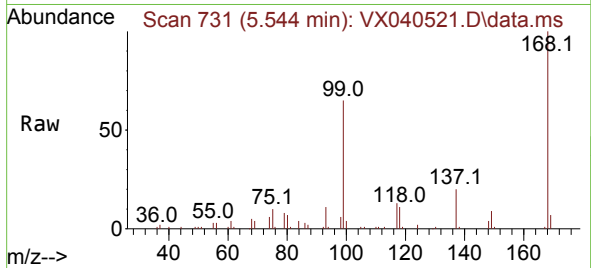




#36
1,1-Dichloropropene
Concen: 5.035 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

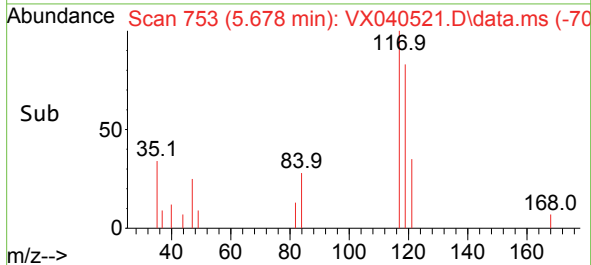
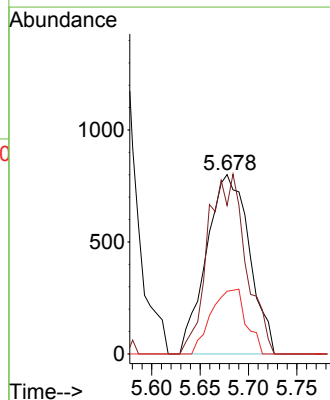
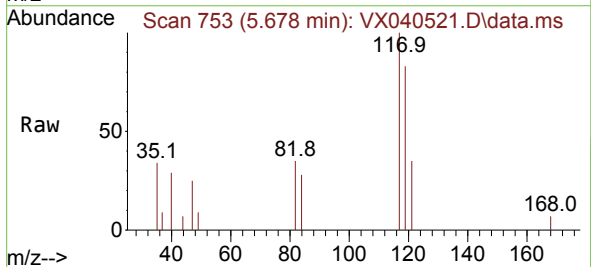
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

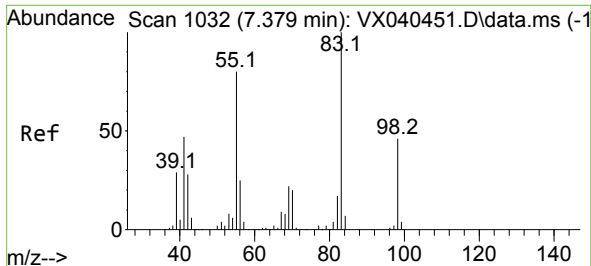
Tgt Ion: 75 Resp: 6844
Ion Ratio Lower Upper
75 100
110 4.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 1.880 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

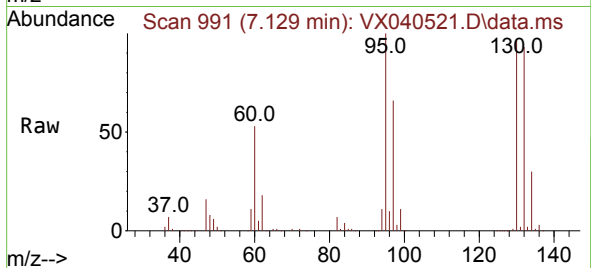
Tgt Ion: 117 Resp: 2469
Ion Ratio Lower Upper
117 100
119 82.8 78.2 117.2
121 35.0 24.4 36.6



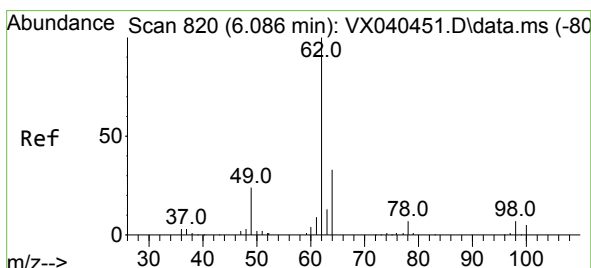
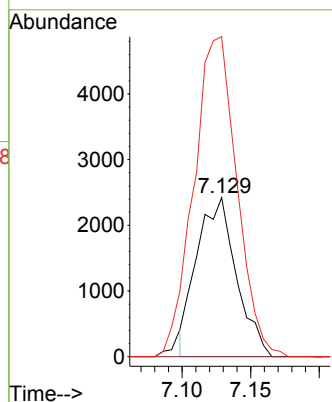
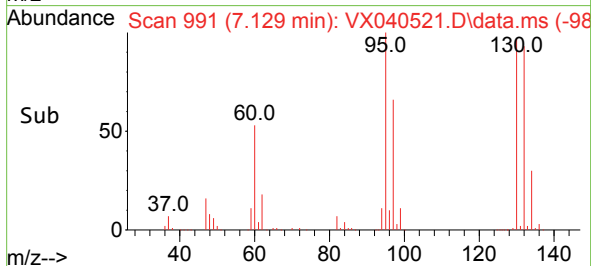


#39
Methylcyclohexane
Concen: 3.299 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

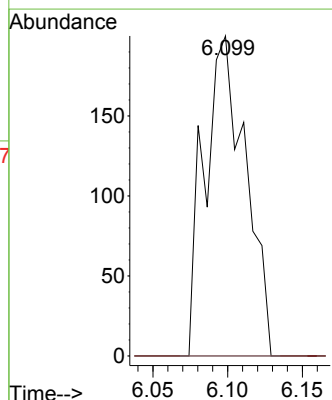
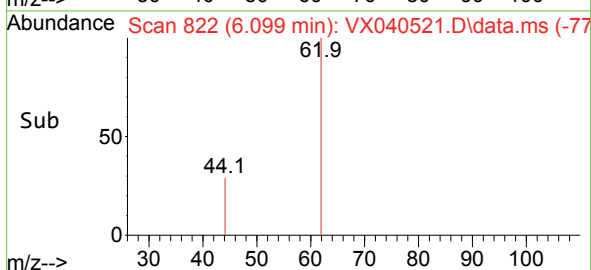
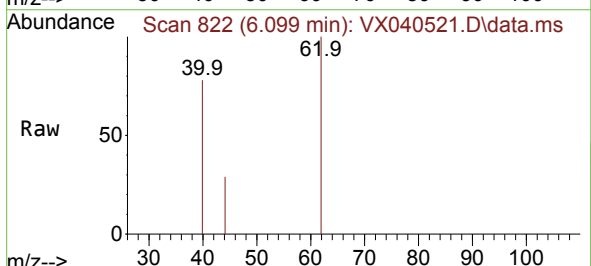


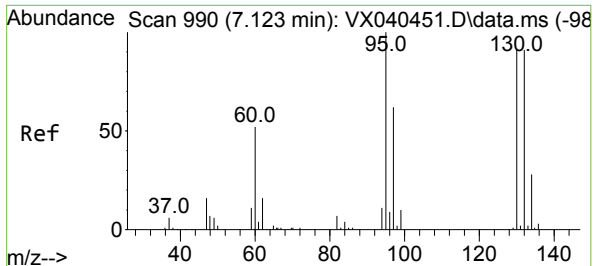
Tgt Ion: 83 Resp: 4841
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 206.9 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.251 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion: 62 Resp: 382
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

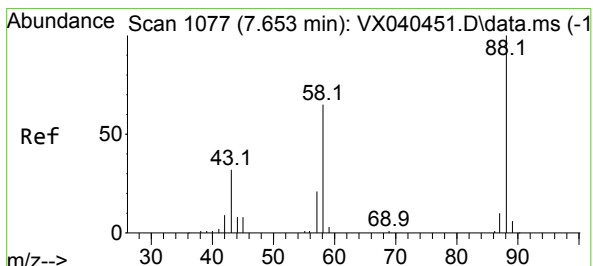
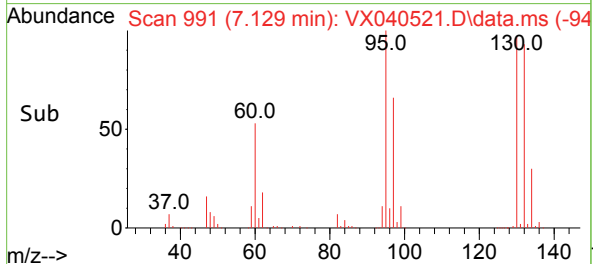
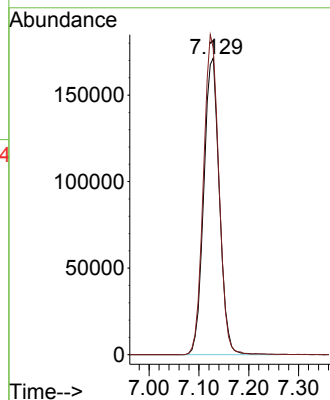
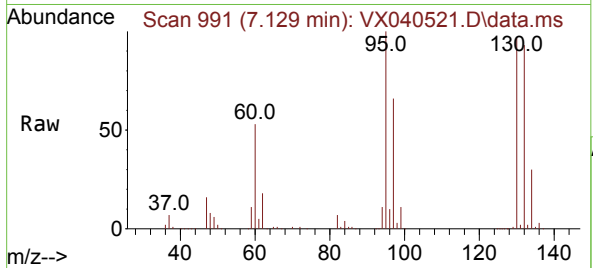




#44
Trichloroethene
Concen: 376.847 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

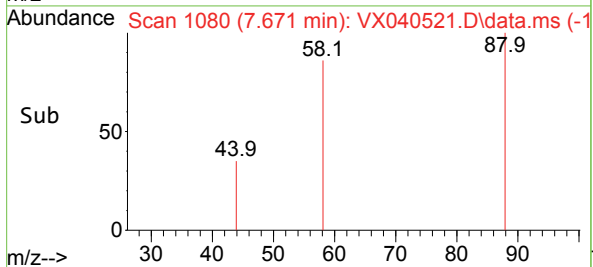
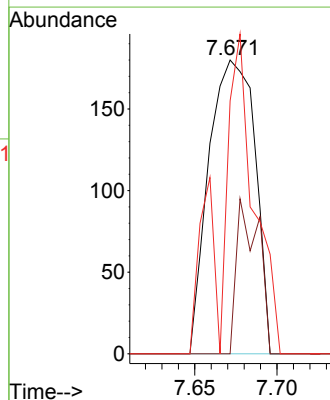
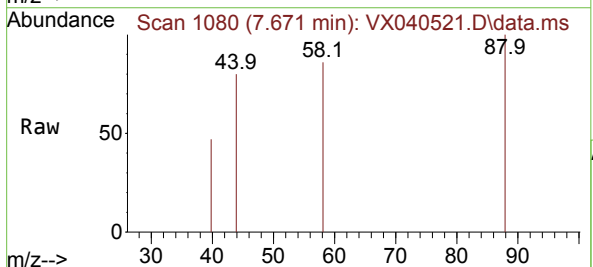
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

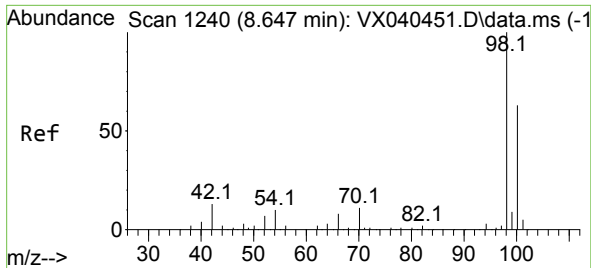
Tgt Ion:130 Resp: 372979
Ion Ratio Lower Upper
130 100
95 103.2 0.0 204.4



#49
1,4-Dioxane
Concen: 15.904 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 25.4 0.0 0.0#
58 80.3 60.1 90.1

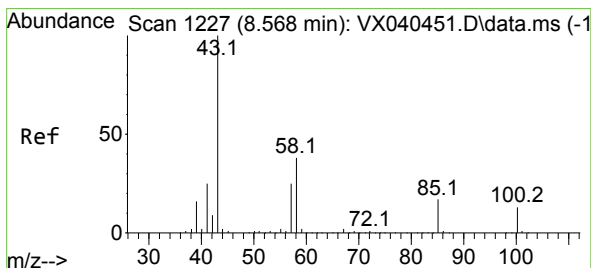
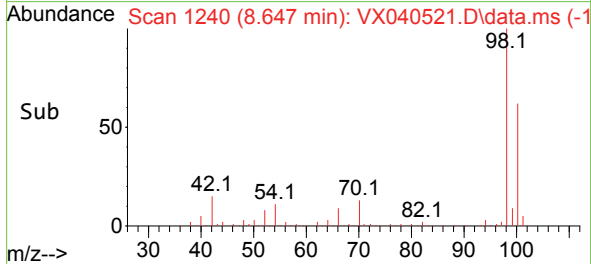
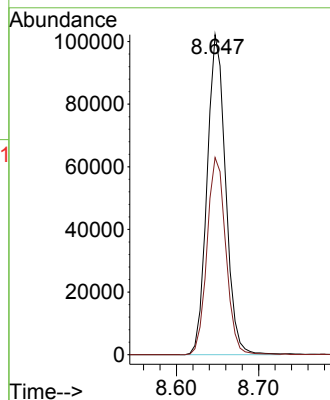
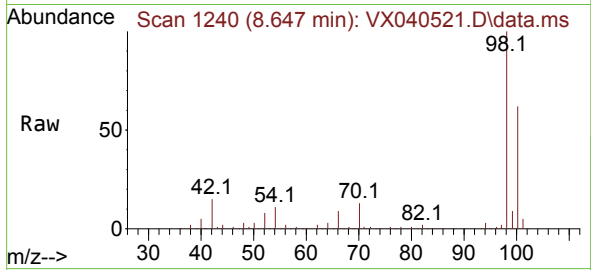




#50
Toluene-d8
Concen: 49.858 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

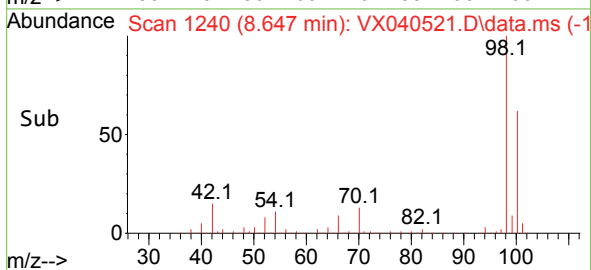
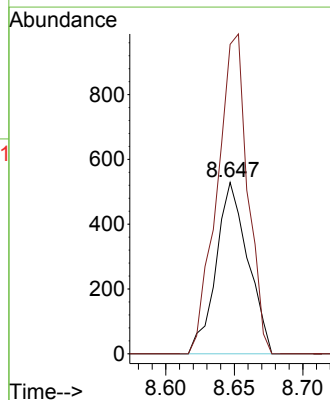
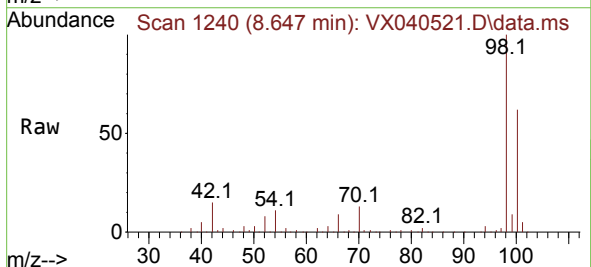
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

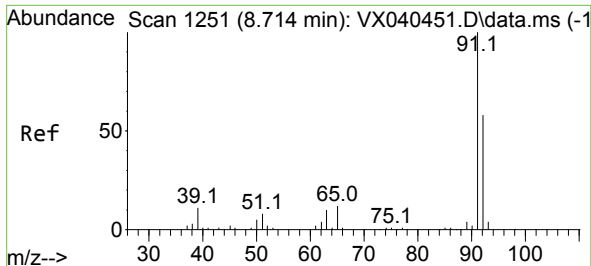
Tgt Ion: 98 Resp: 159672
Ion Ratio Lower Upper
98 100
100 62.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.557 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
58 179.0 30.4 45.6#





#52

Toluene

Concen: 0.746 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX040521.D

Acq: 28 Feb 2024 19:07

Instrument :

MSVOA_X

ClientSampleId :

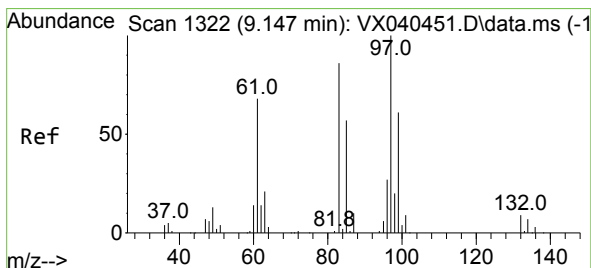
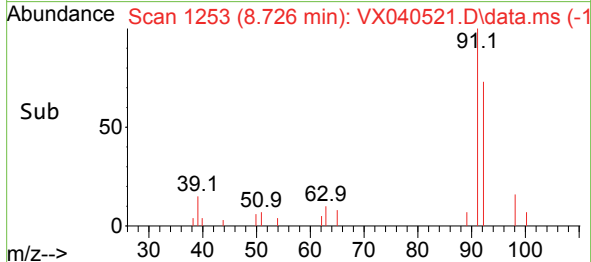
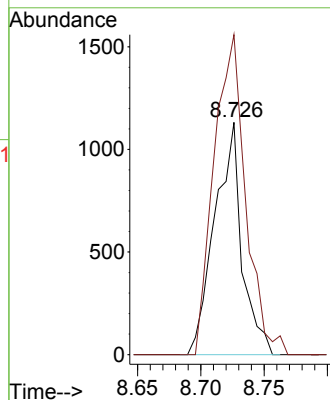
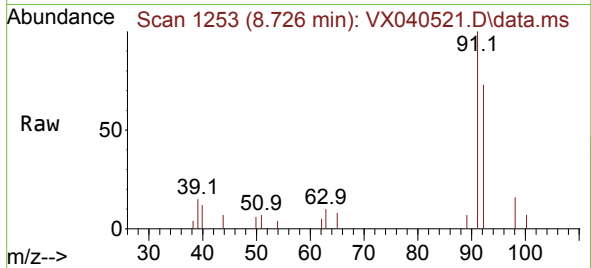
RE114D1-20240226

Tgt Ion: 92 Resp: 1685

Ion Ratio Lower Upper

92 100

91 160.9 134.2 201.2



#55

1,1,2-Trichloroethane

Concen: 1.057 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.012 min

Lab File: VX040521.D

Acq: 28 Feb 2024 19:07

Tgt Ion: 97 Resp: 991

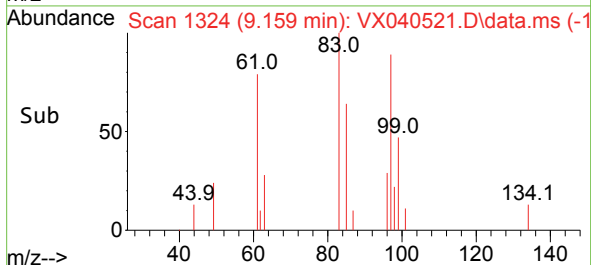
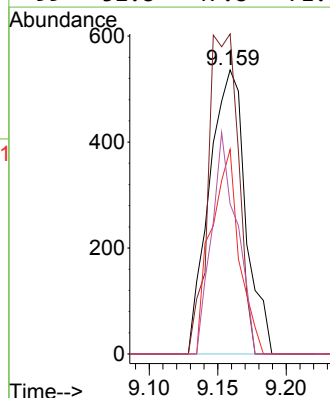
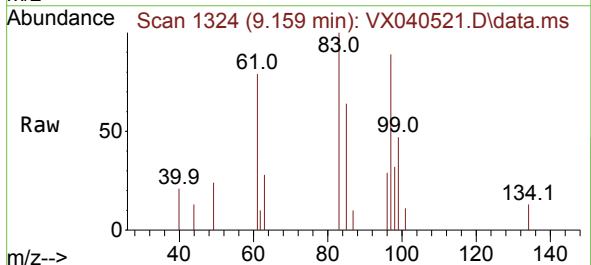
Ion Ratio Lower Upper

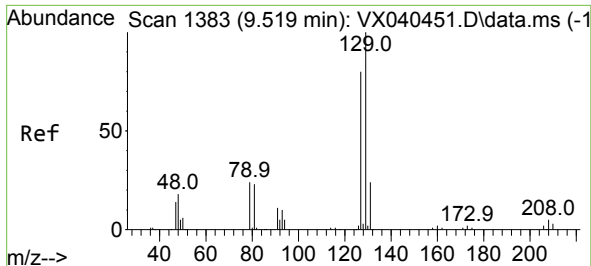
97 100

83 112.7 65.8 98.8#

85 72.0 41.6 62.4#

99 52.8 47.8 71.8

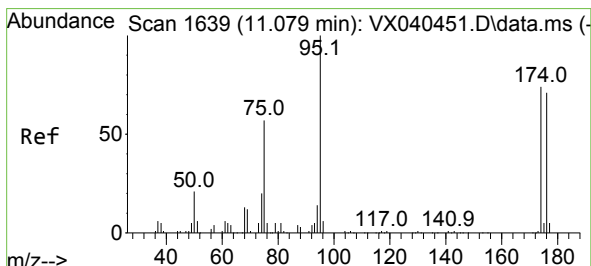
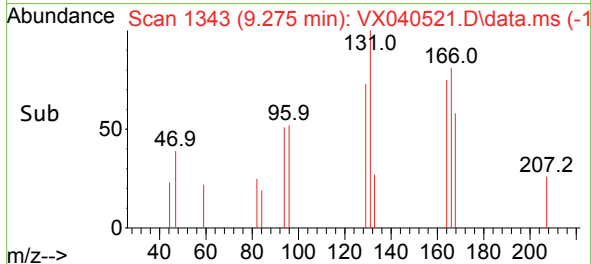
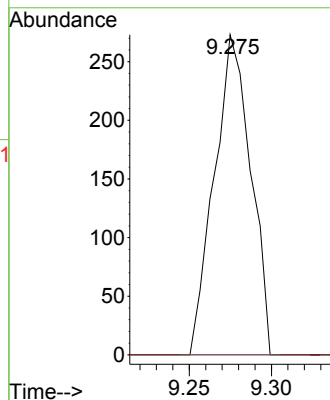
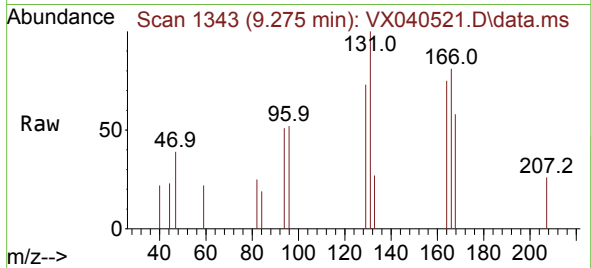




#60
Dibromochloromethane
Concen: 0.413 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

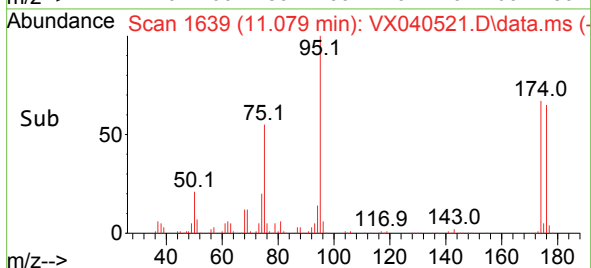
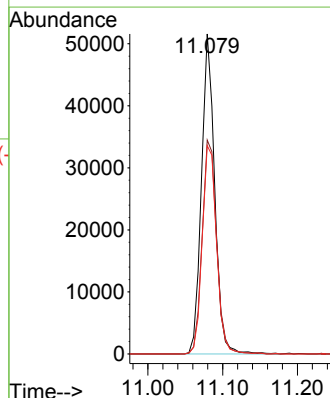
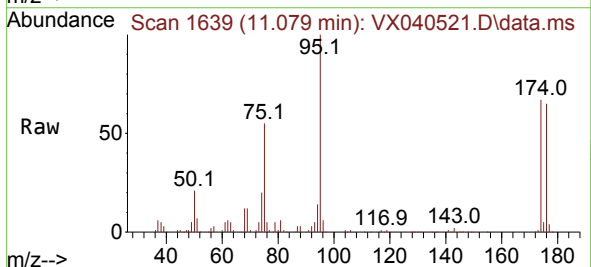
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

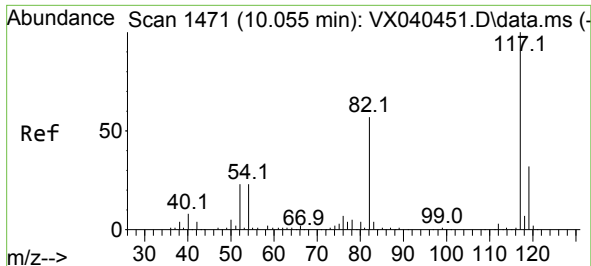
Tgt Ion:129 Resp: 420
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 51.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion: 95 Resp: 63324
Ion Ratio Lower Upper
95 100
174 73.1 0.0 135.6
176 70.6 0.0 131.0

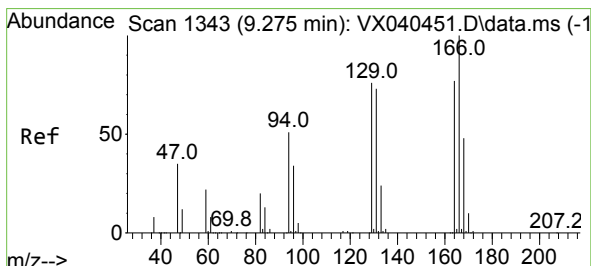
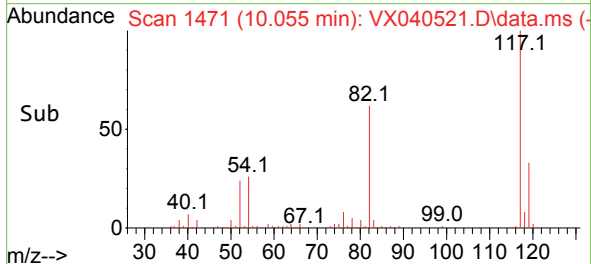
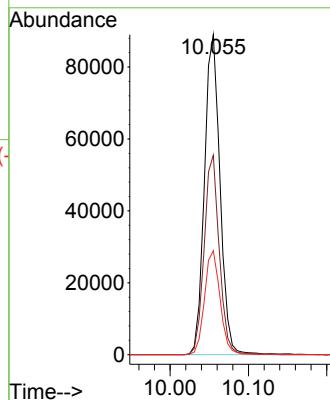
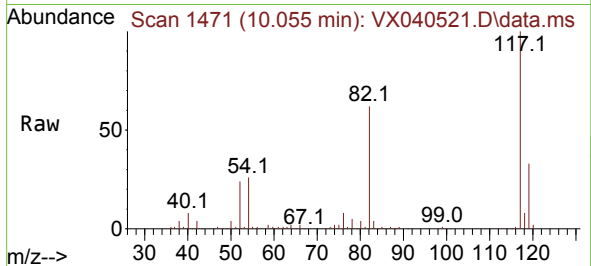




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

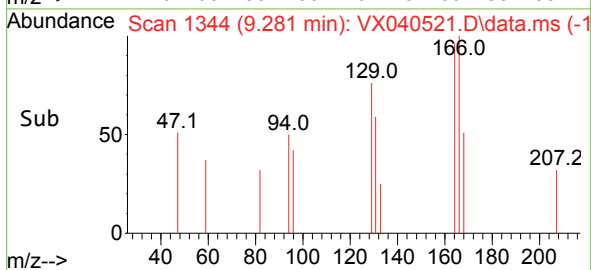
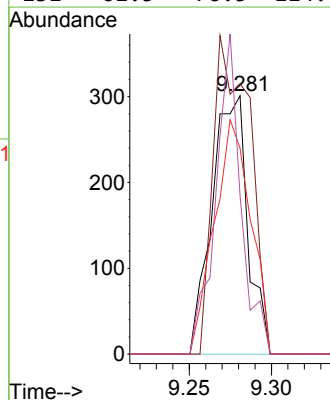
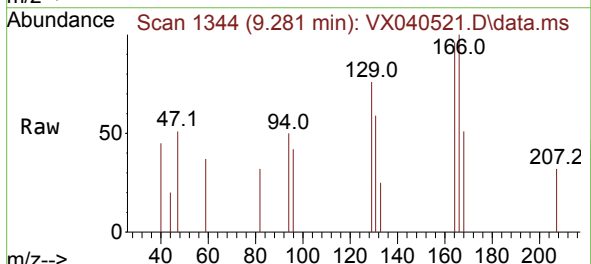
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20240226

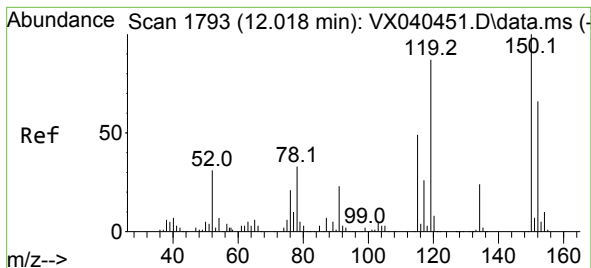
Tgt Ion:117 Resp: 122808
Ion Ratio Lower Upper
117 100
82 62.3 46.2 69.4
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 0.527 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX040521.D
Acq: 28 Feb 2024 19:07

Tgt Ion:164 Resp: 454
Ion Ratio Lower Upper
164 100
166 104.7 102.7 154.1
129 79.7 80.4 120.6#
131 61.5 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: VX040521.D

Acq: 28 Feb 2024 19:07

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20240226

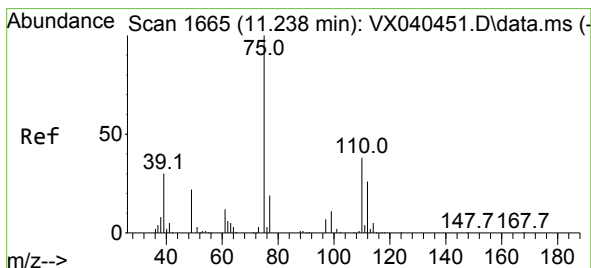
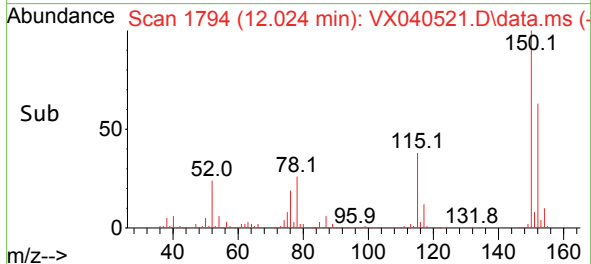
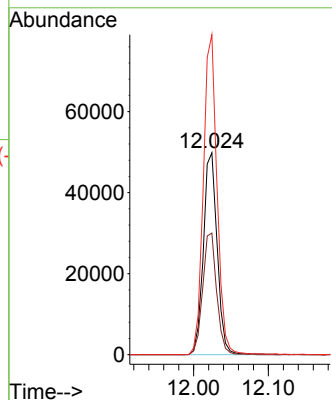
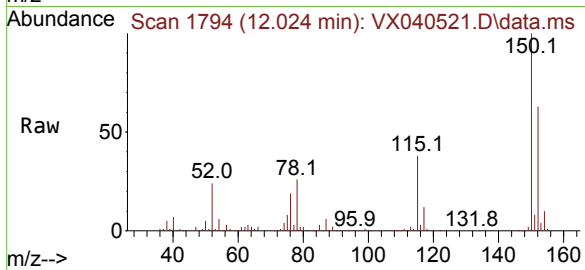
Tgt Ion:152 Resp: 63778

Ion Ratio Lower Upper

152 100

115 61.2 43.3 129.9

150 157.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.167 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040521.D

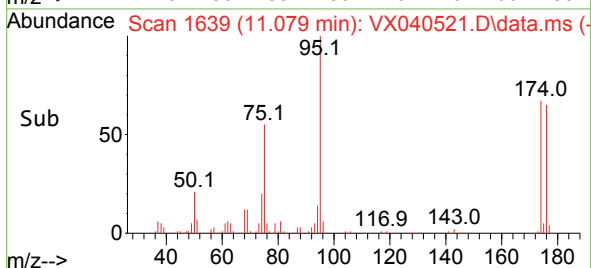
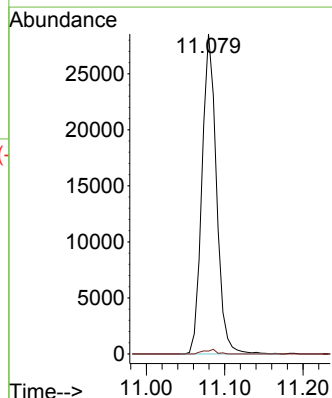
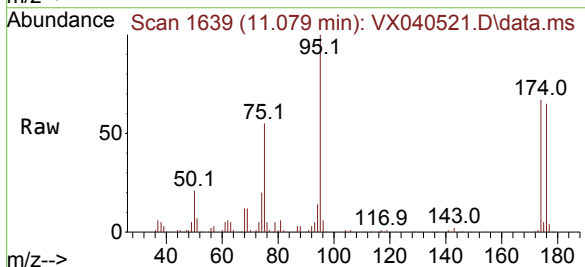
Acq: 28 Feb 2024 19:07

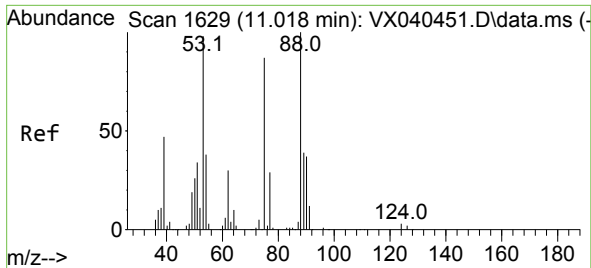
Tgt Ion: 75 Resp: 36729

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.128 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040521.D
 Acq: 28 Feb 2024 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20240226

Tgt Ion: 75 Resp: 36729
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

