

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022024\
 Data File : VX040365.D
 Acq On : 20 Feb 2024 18:27
 Operator : JC/MD
 Sample : P1520-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20240215

Quant Time: Feb 21 01:17:34 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)

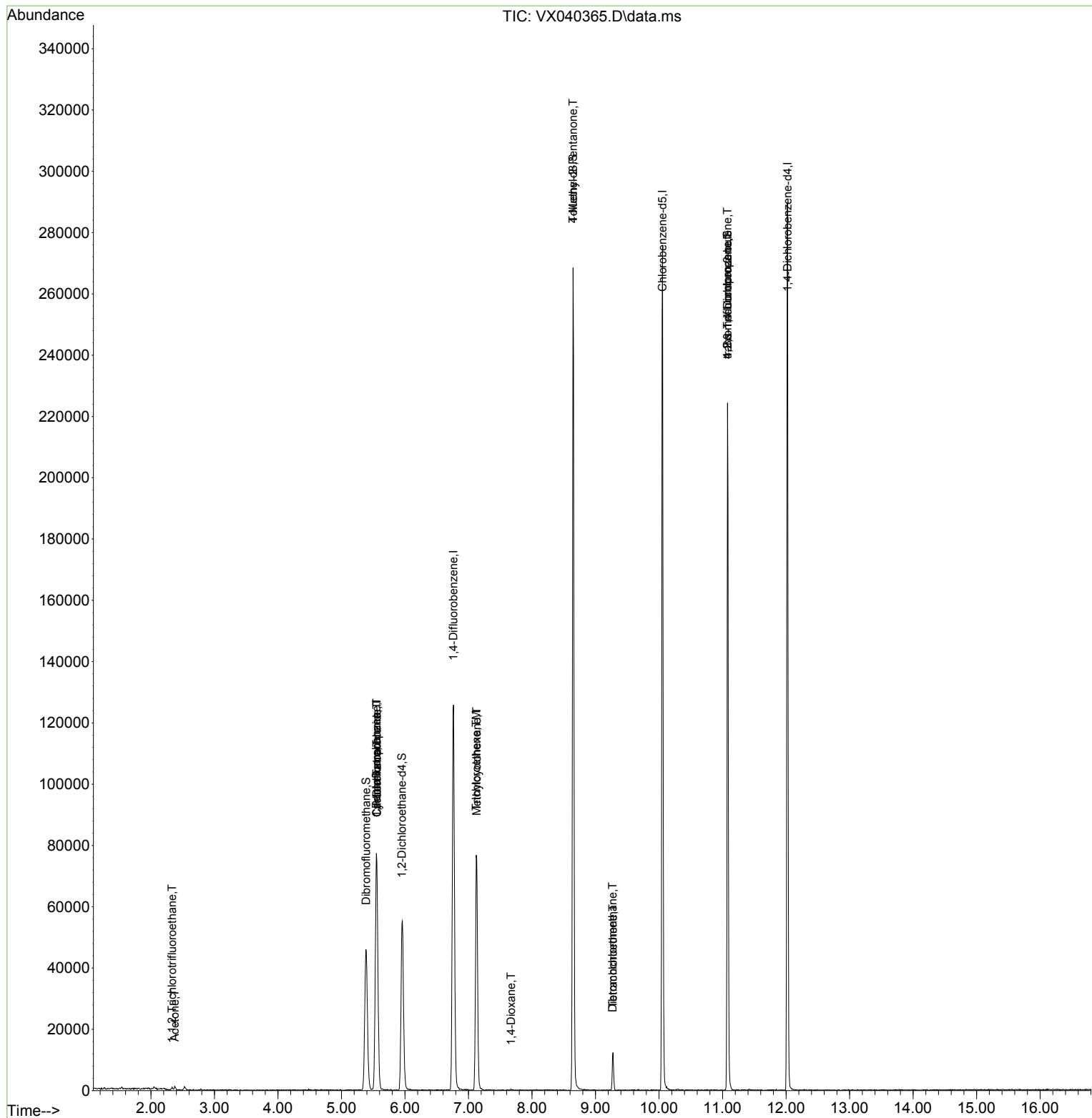
Internal Standards						
1) Pentafluorobenzene	5.550	168	68335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121318	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54083	53.199	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.400%	
35) Dibromofluoromethane	5.385	113	40319	47.590	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.180%	
50) Toluene-d8	8.647	98	151291	47.738	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.480%	
62) 4-Bromofluorobenzene	11.079	95	57994	44.869	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.740%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	417	0.575	ug/l #	75
16) Acetone	2.373	43	1179	2.824	ug/l #	79
20) Methylene Chloride	2.782	84	78	Below Cal	#	56
31) Cyclohexane	5.556	56	1932	1.593	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	6330	5.334	ug/l #	50
38) Carbon Tetrachloride	5.556	117	7520	6.664	ug/l #	16
39) Methylcyclohexane	7.129	83	420	0.305	ug/l #	1
44) Trichloroethene	7.123	130	28910	31.579	ug/l	99
49) 1,4-Dioxane	7.671	88	237	10.328	ug/l #	57
51) 4-Methyl-2-Pentanone	8.647	43	739	0.525	ug/l #	1
60) Dibromochloromethane	9.268	129	2193	2.322	ug/l #	11
64) Tetrachloroethene	9.275	164	2237	2.719	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	32429	27.000	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	32429	73.986	ug/l #	5

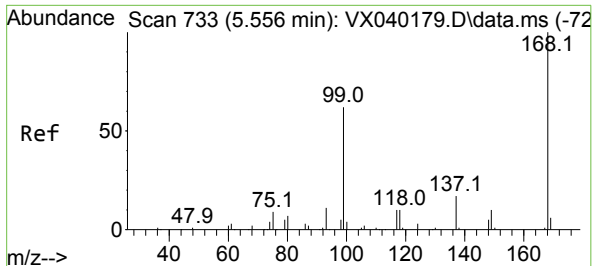
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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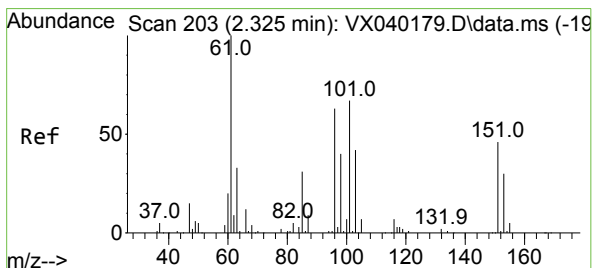
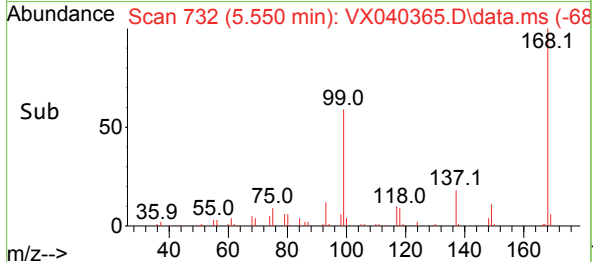
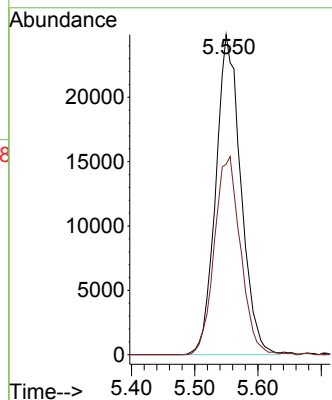
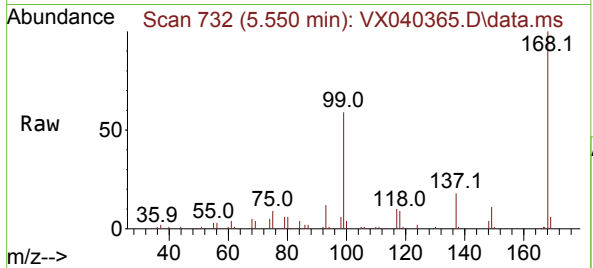




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

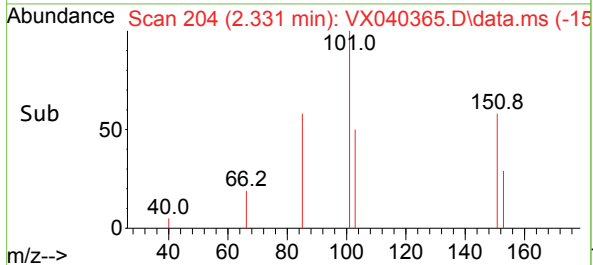
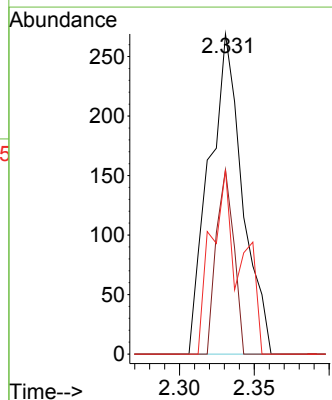
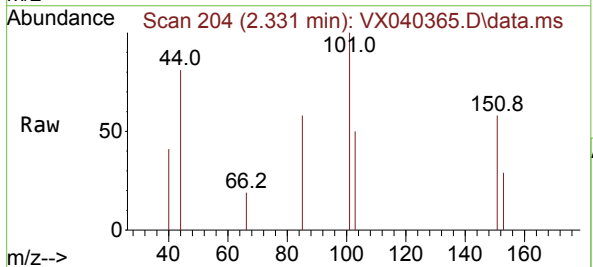
Instrument :
MSVOA_X
ClientSampleId :
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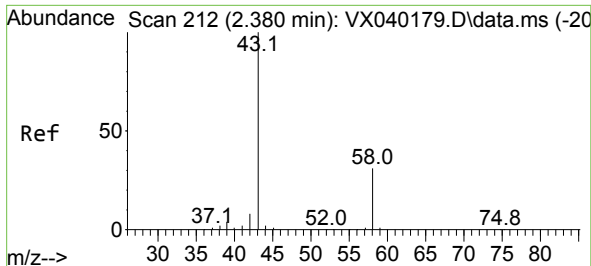
Tgt Ion:168 Resp: 68335
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.575 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Tgt Ion:101 Resp: 417
Ion Ratio Lower Upper
101 100
85 30.5 37.0 55.6#
151 51.3 58.6 87.8#

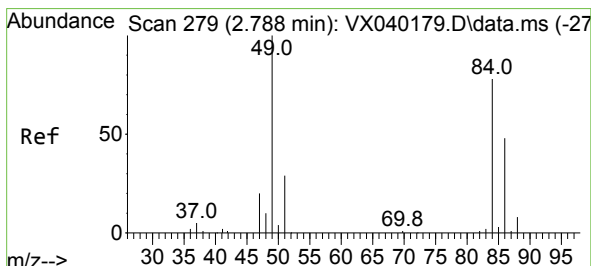
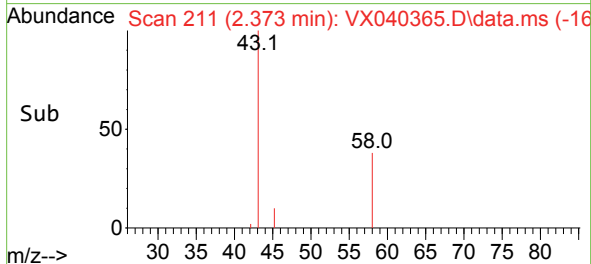
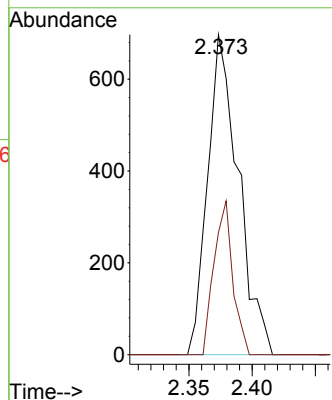
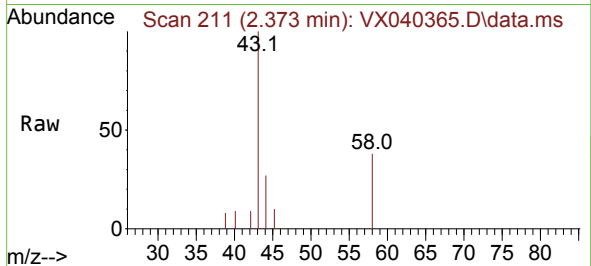




#16
Acetone
Concen: 2.824 ug/l
RT: 2.373 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

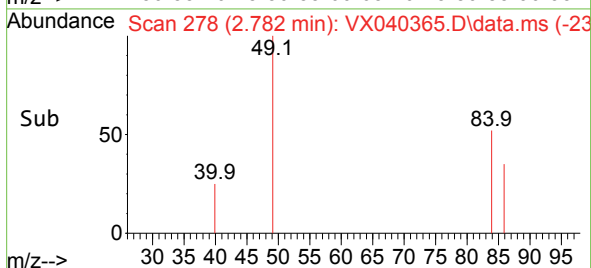
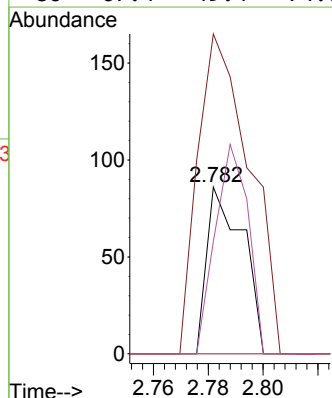
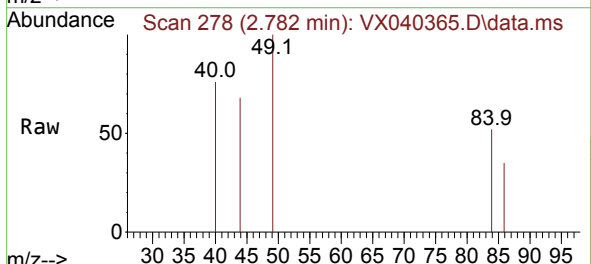
Instrument :
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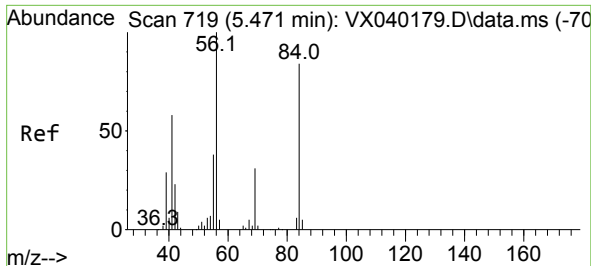
Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 38.2 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

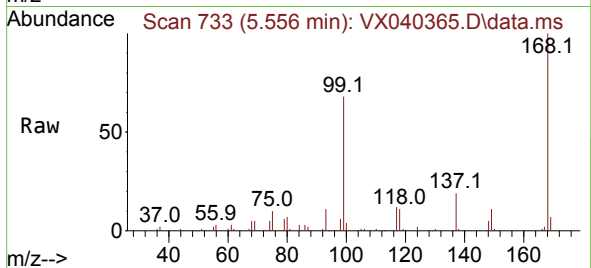
Tgt Ion: 84 Resp: 78
Ion Ratio Lower Upper
84 100
49 191.9 103.6 155.4#
51 0.0 33.8 50.6#
86 67.4 49.4 74.0



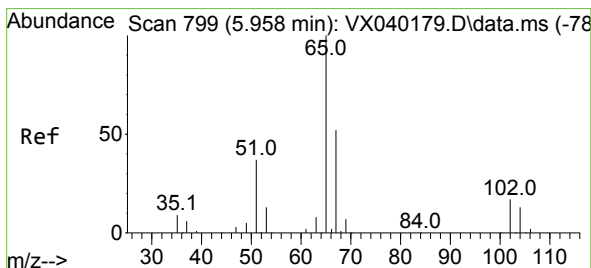
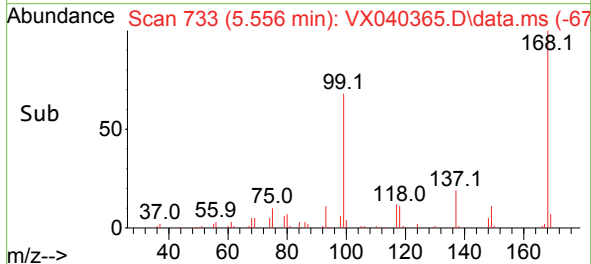
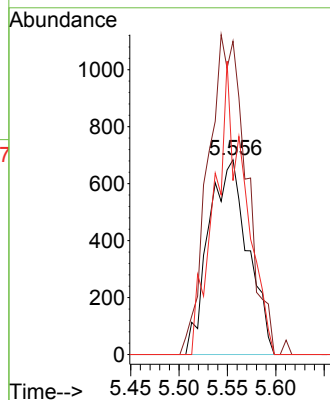


#31
Cyclohexane
Concen: 1.593 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20240215

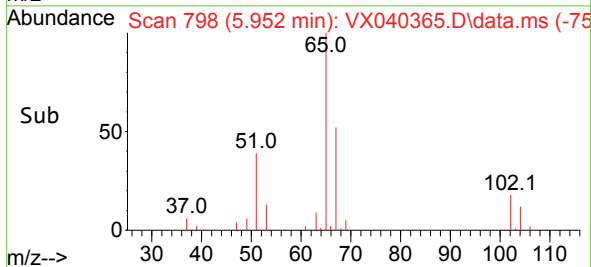
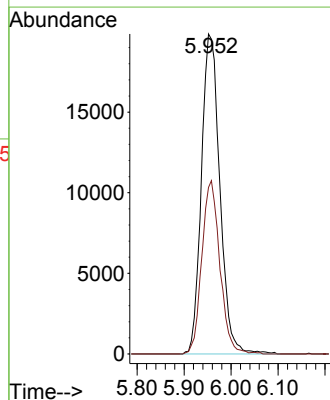
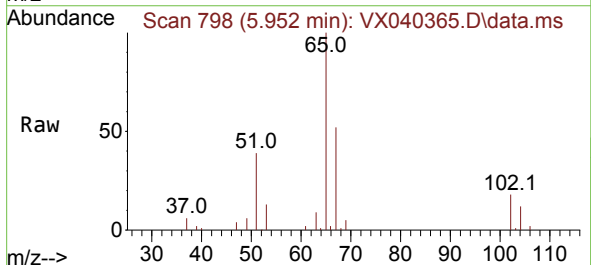


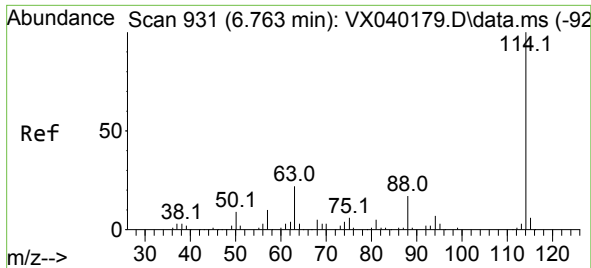
Tgt Ion: 56 Resp: 1932
Ion Ratio Lower Upper
56 100
69 160.8 23.4 35.2#
84 89.3 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 53.199 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Tgt Ion: 65 Resp: 54083
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2

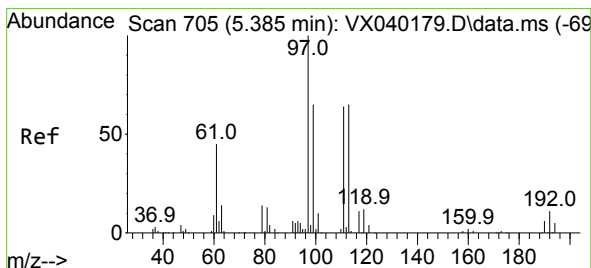
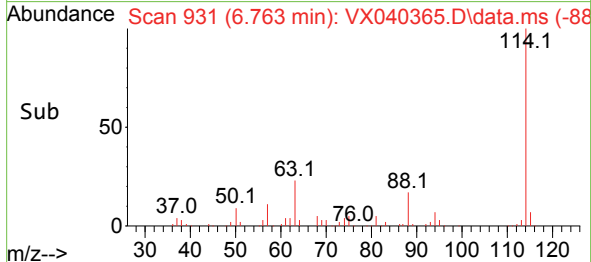
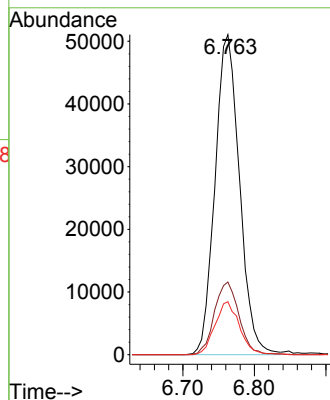
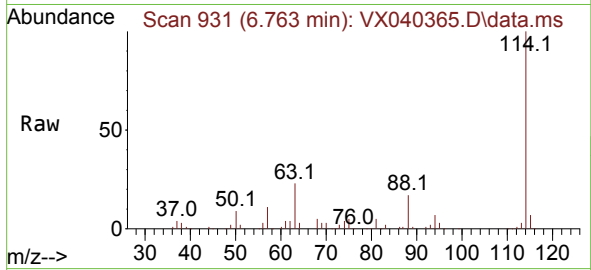




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

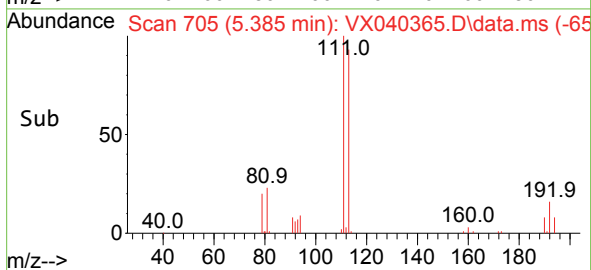
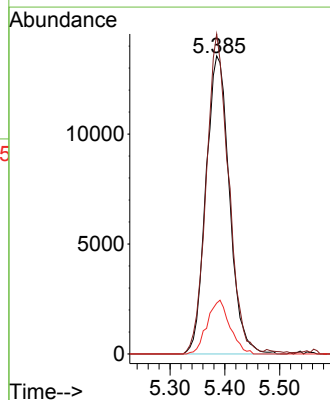
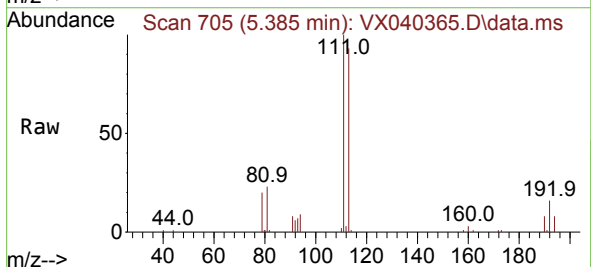
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20240215

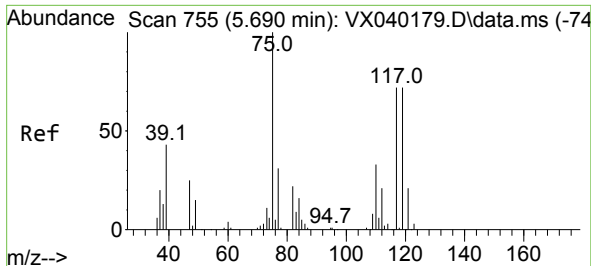
Tgt Ion:114 Resp: 121318
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.590 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Tgt Ion:113 Resp: 40319
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 17.5 13.3 19.9

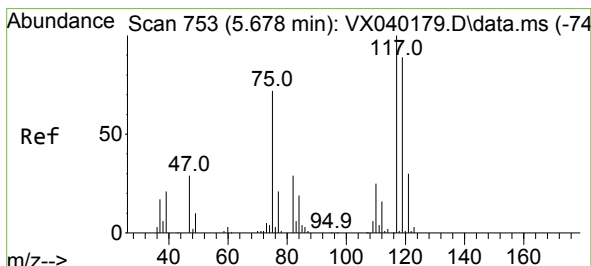
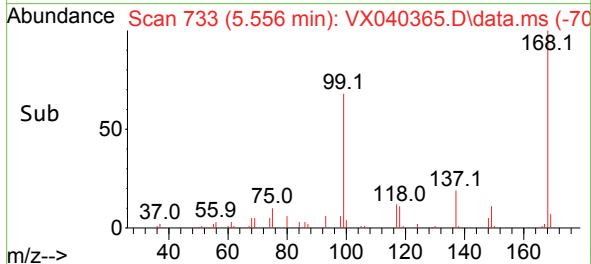
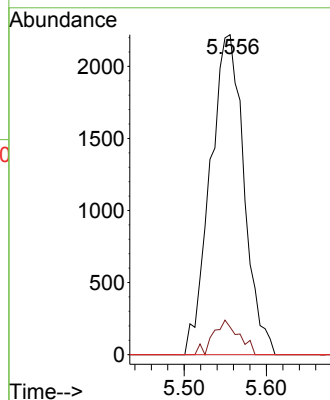
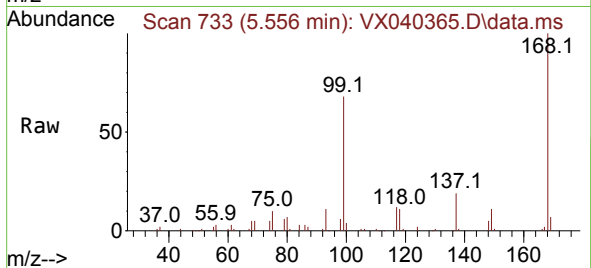




#36
 1,1-Dichloropropene
 Concen: 5.334 ug/l
 RT: 5.556 min Scan# 711
 Delta R.T. -0.140 min
 Lab File: VX040365.D
 Acq: 20 Feb 2024 18:27

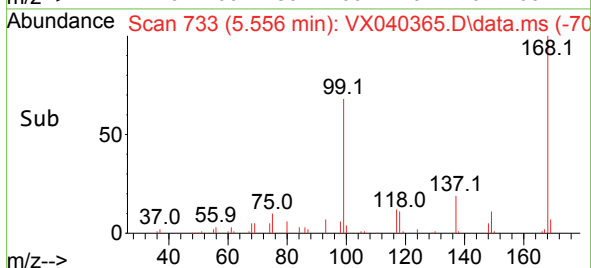
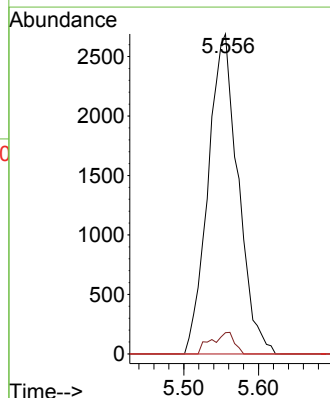
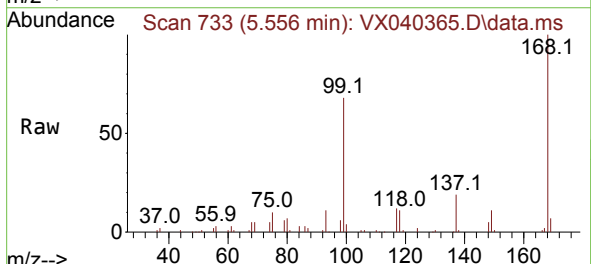
Instrument :
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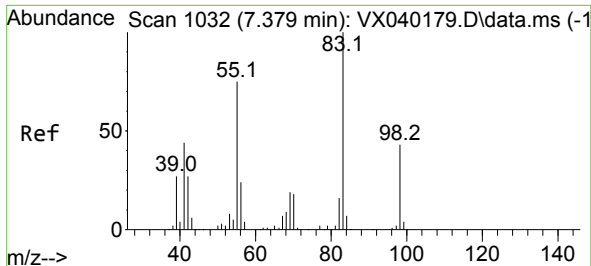
Tgt Ion: 75 Resp: 6330
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.664 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.116 min
 Lab File: VX040365.D
 Acq: 20 Feb 2024 18:27

Tgt Ion: 117 Resp: 7520
 Ion Ratio Lower Upper
 117 100
 119 6.7 78.2 117.2#
 121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.305 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.250 min

Lab File: VX040365.D

Acq: 20 Feb 2024 18:27

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20240215

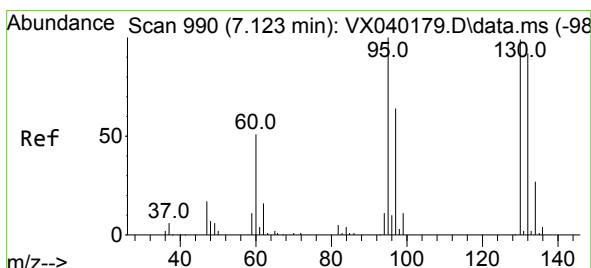
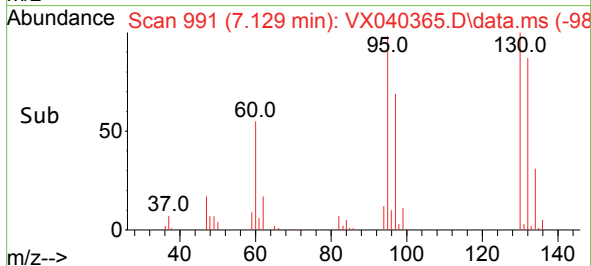
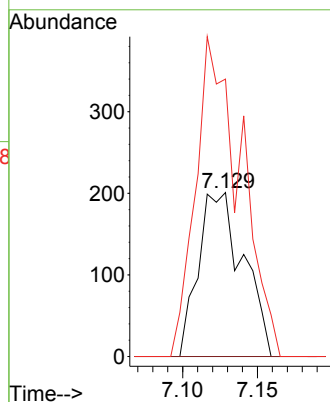
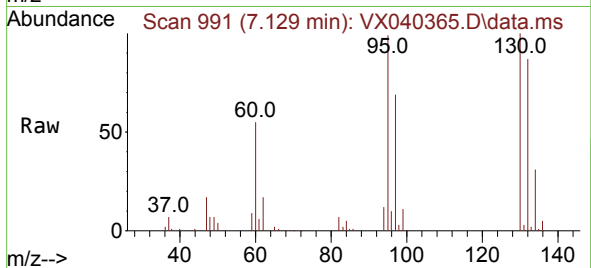
Tgt Ion: 83 Resp: 420

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 142.3 36.7 55.1#



#44

Trichloroethene

Concen: 31.579 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX040365.D

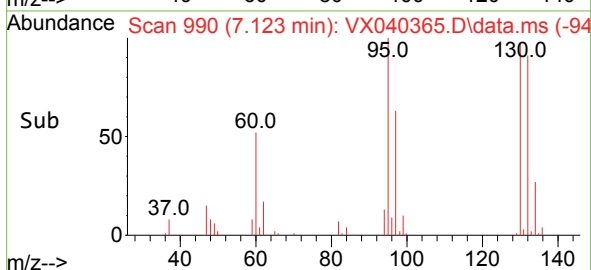
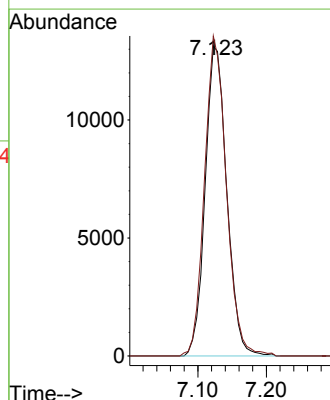
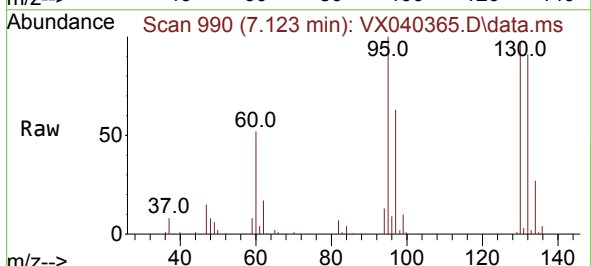
Acq: 20 Feb 2024 18:27

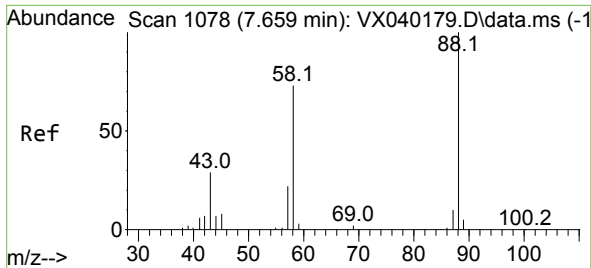
Tgt Ion:130 Resp: 28910

Ion Ratio Lower Upper

130 100

95 103.2 0.0 204.4

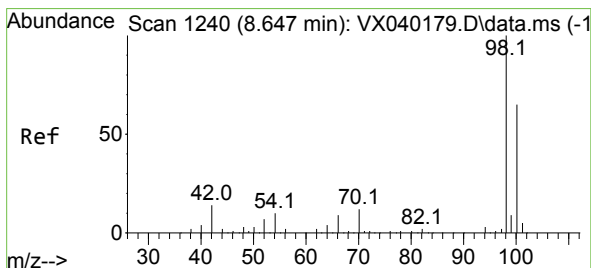
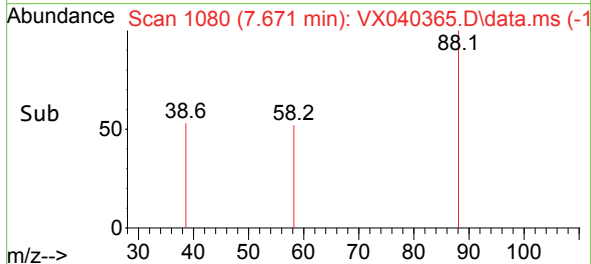
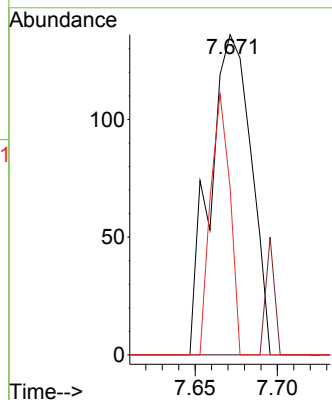
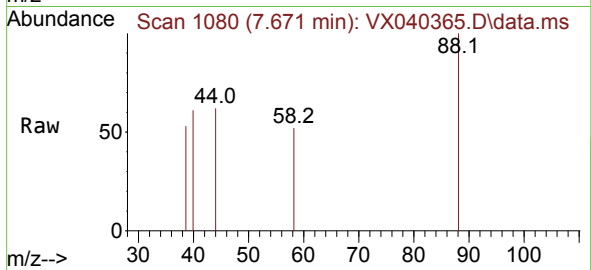




#49
1,4-Dioxane
Concen: 10.328 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

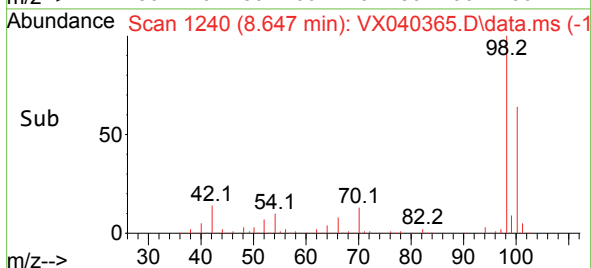
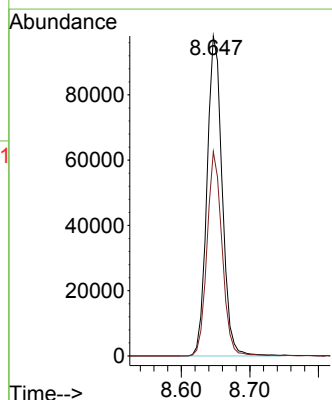
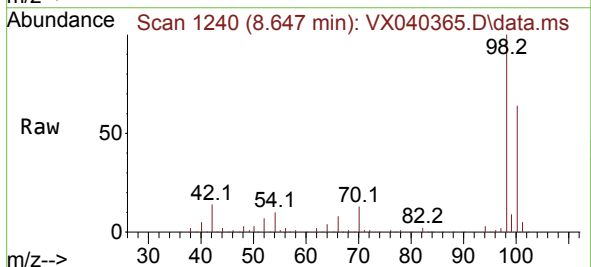
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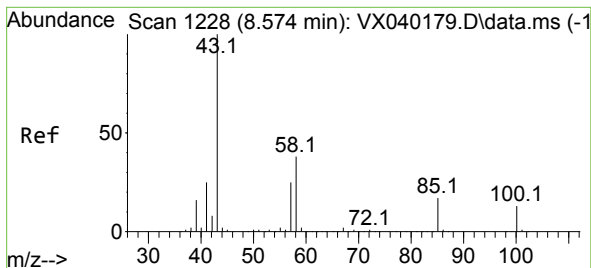
Tgt Ion: 88 Resp: 237
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 38.4 60.1 90.1#



#50
Toluene-d8
Concen: 47.738 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Tgt Ion: 98 Resp: 151291
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.525 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX040365.D

Acq: 20 Feb 2024 18:27

Instrument :

MSVOA_X

ClientSampleId :

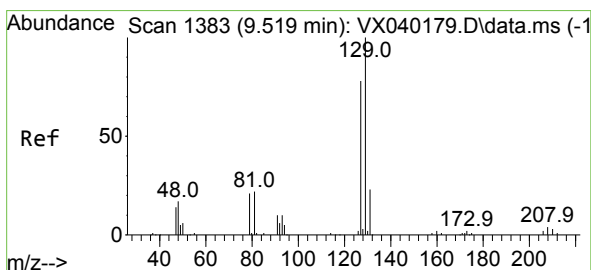
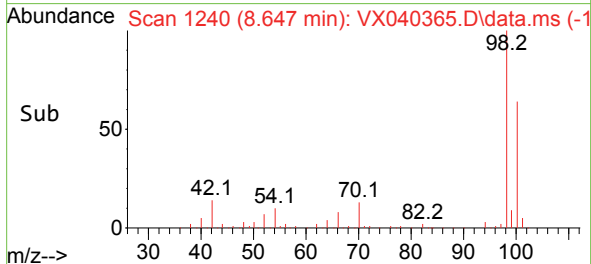
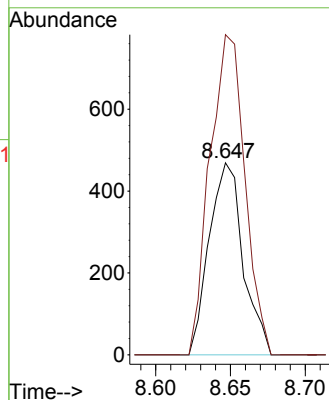
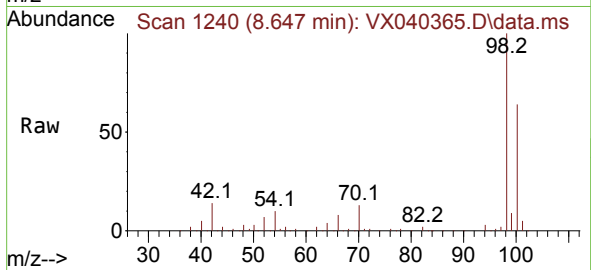
RE108D1-20240215

Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

58 172.5 30.4 45.6#



#60

Dibromochloromethane

Concen: 2.322 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.250 min

Lab File: VX040365.D

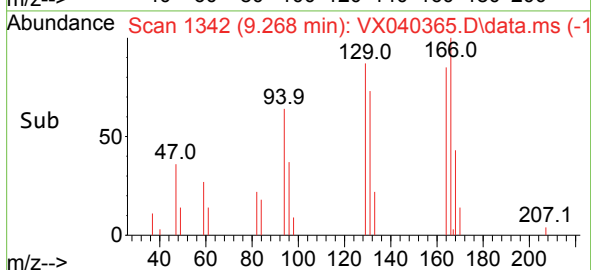
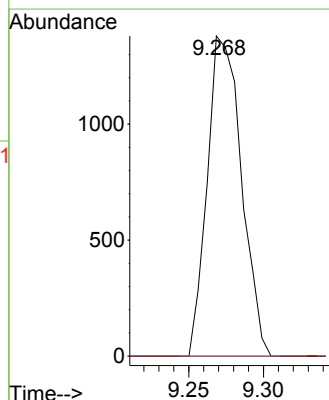
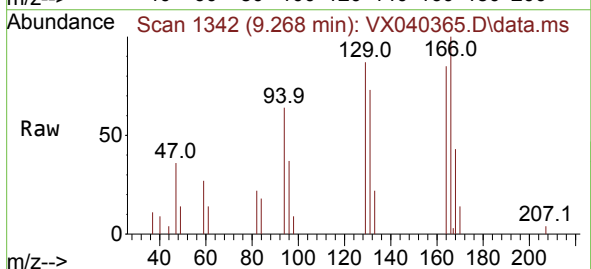
Acq: 20 Feb 2024 18:27

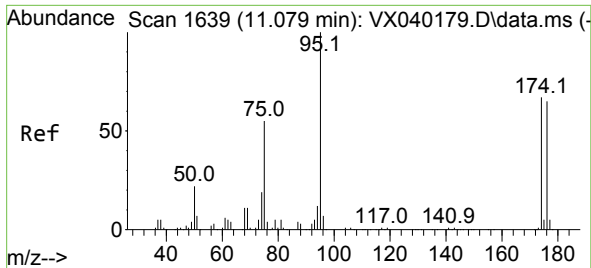
Tgt Ion: 129 Resp: 2193

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

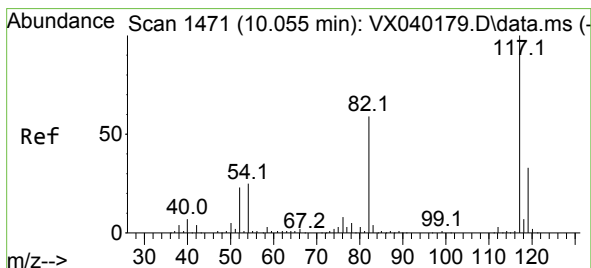
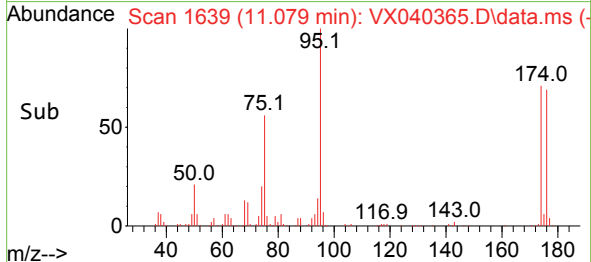
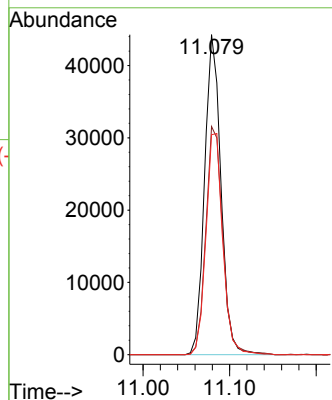
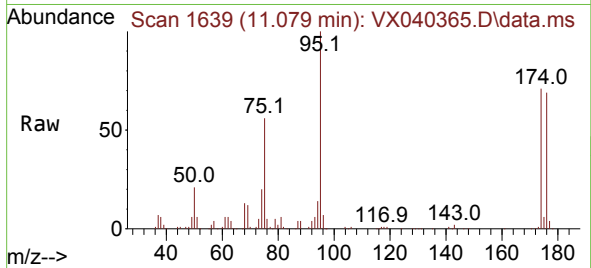




#62
4-Bromofluorobenzene
Concen: 44.869 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

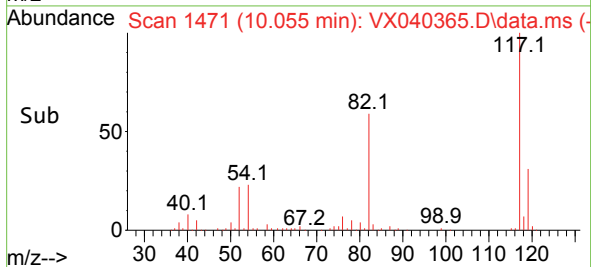
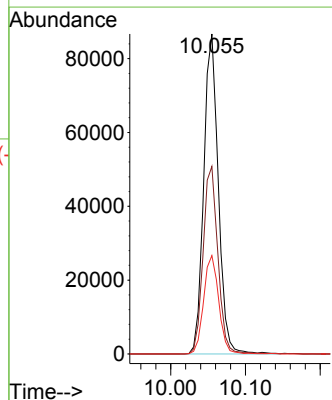
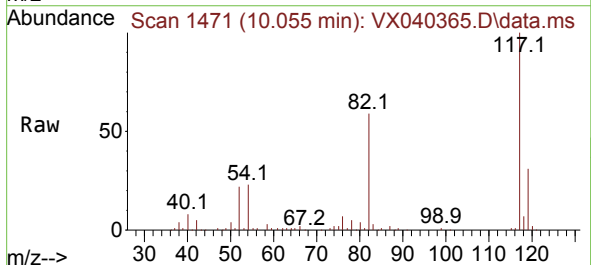
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20240215

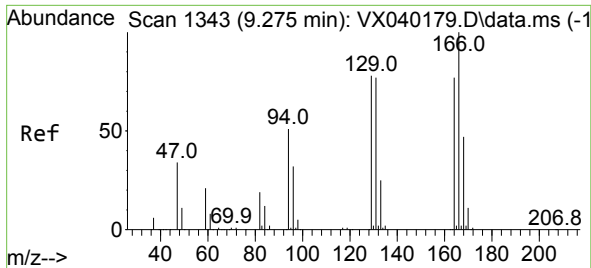
Tgt Ion: 95 Resp: 57994
Ion Ratio Lower Upper
95 100
174 73.9 0.0 135.6
176 71.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Tgt Ion: 117 Resp: 117401
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 30.8 25.5 38.3



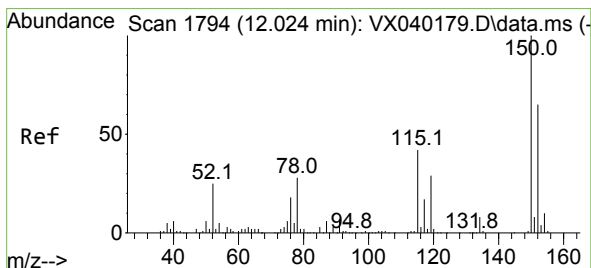
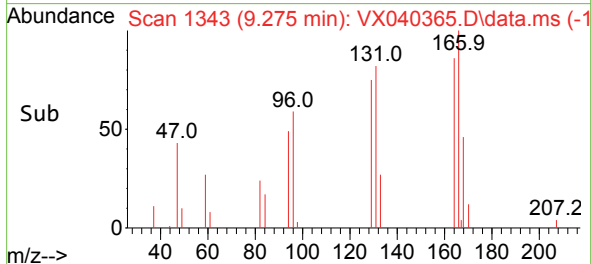
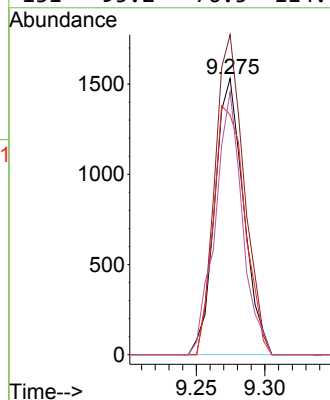
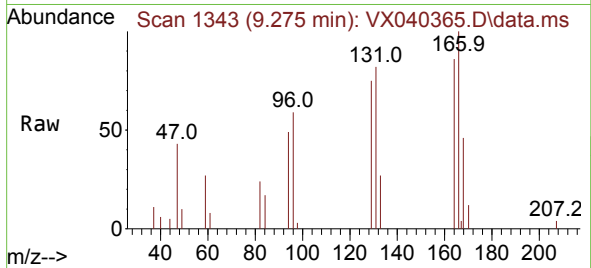


#64
Tetrachloroethene
Concen: 2.719 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20240215

Tgt Ion:164 Resp: 2237

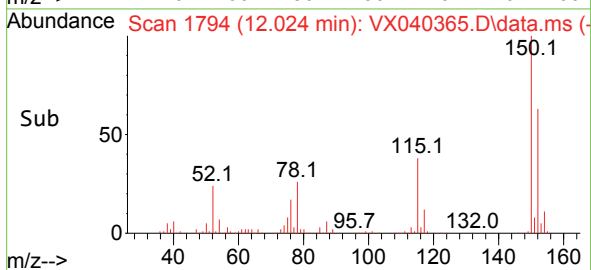
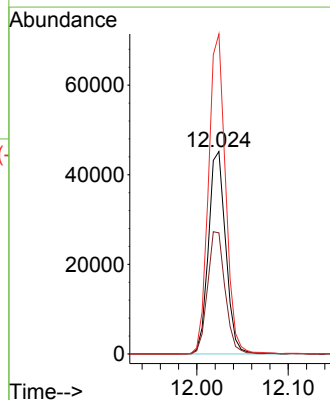
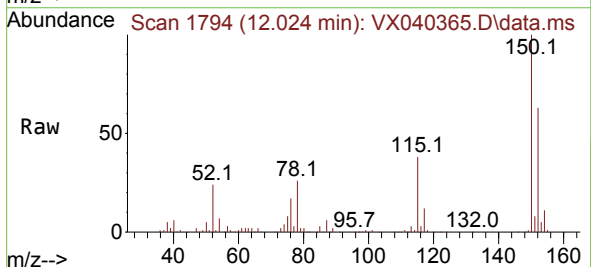
Ion	Ratio	Lower	Upper
164	100		
166	115.9	102.7	154.1
129	86.8	80.4	120.6
131	95.2	76.5	114.7

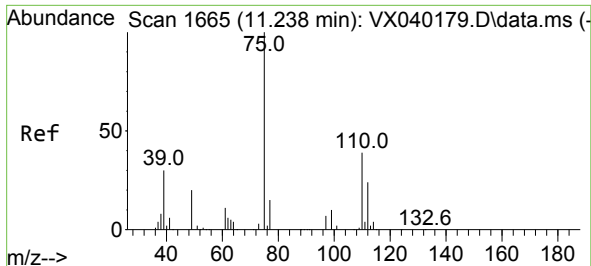


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Tgt Ion:152 Resp: 59311

Ion	Ratio	Lower	Upper
152	100		
115	61.4	43.3	129.9
150	155.9	0.0	345.0

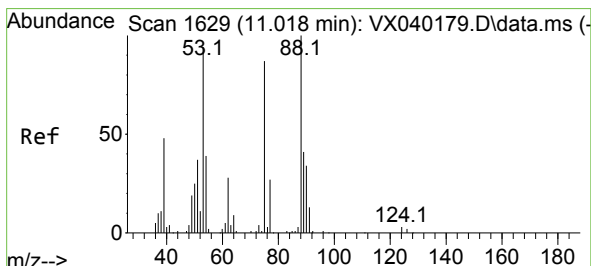
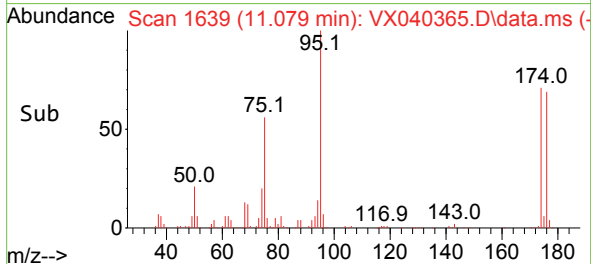
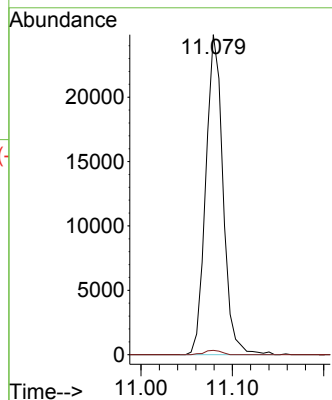
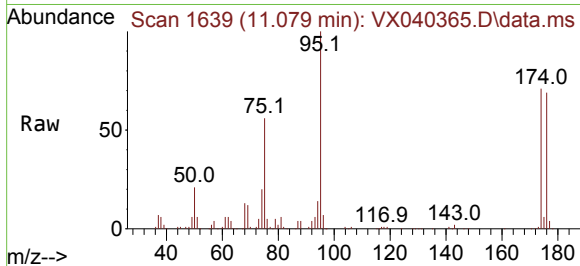




#76
1,2,3-Trichloropropane
Concen: 27.000 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20240215

Tgt Ion: 75 Resp: 32429
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040365.D
Acq: 20 Feb 2024 18:27

Tgt Ion: 75 Resp: 32429
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

