

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022124\
 Data File : VX040389.D
 Acq On : 21 Feb 2024 18:08
 Operator : JC/MD
 Sample : P1532-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20240216

Quant Time: Feb 22 01:12:23 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)

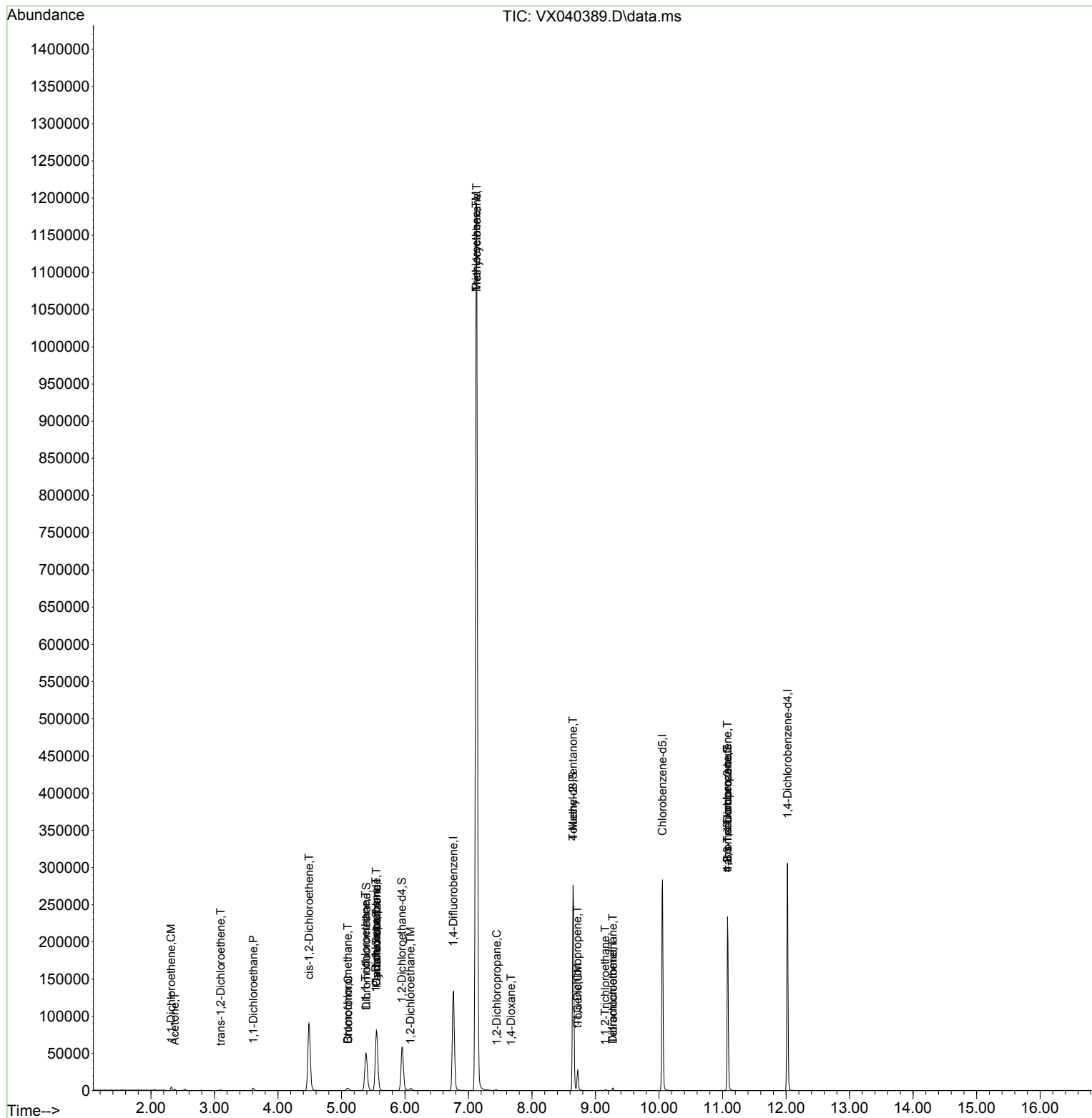
Internal Standards						
1) Pentafluorobenzene	5.556	168	72031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	130211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57453	53.614	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.220%
35) Dibromofluoromethane	5.391	113	43434	47.765	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.540%
50) Toluene-d8	8.647	98	158214	46.513	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.020%
62) 4-Bromofluorobenzene	11.079	95	59829	43.127	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.260%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	1554	2.113	ug/l #	91
16) Acetone	2.374	43	1564	3.554	ug/l	97
20) Methylene Chloride	2.788	84	241	Below Cal	#	68
21) trans-1,2-Dichloroethene	3.099	96	341	0.407	ug/l #	63
24) 1,1-Dichloroethane	3.611	63	3206	2.126	ug/l #	93
27) cis-1,2-Dichloroethene	4.489	96	53327	55.812	ug/l	90
28) Bromochloromethane	5.099	49	289	0.451	ug/l #	16
30) Chloroform	5.105	83	3705	2.273	ug/l	90
31) Cyclohexane	5.550	56	1924	1.505	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	340	0.248	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	6306	4.951	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7924	6.543	ug/l #	15
39) Methylcyclohexane	7.129	83	6183	4.177	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	3196	2.295	ug/l	98
44) Trichloroethene	7.123	130	433674	441.360	ug/l	96
45) 1,2-Dichloropropane	7.446	63	350	0.377	ug/l #	44
49) 1,4-Dioxane	7.671	88	259	10.516	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	751	0.497	ug/l #	1
52) Toluene	8.720	92	9759	4.183	ug/l	93
53) t-1,3-Dichloropropene	8.714	75	78	2.006	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	383	0.385	ug/l #	71
60) Dibromochloromethane	9.275	129	577	0.569	ug/l #	11
64) Tetrachloroethene	9.275	164	507	0.582	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	33120	27.147	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	33120	74.368	ug/l #	5

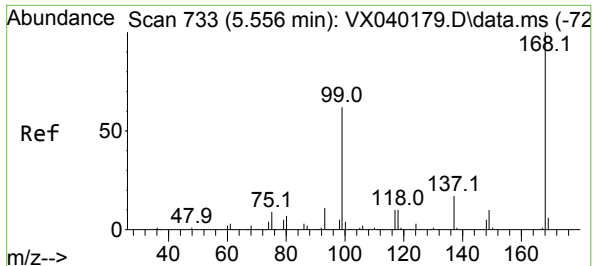
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration

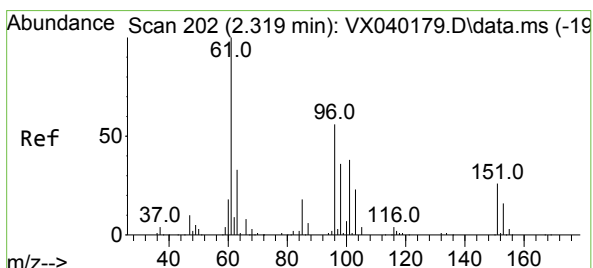
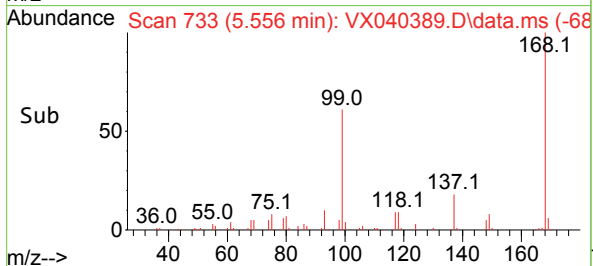
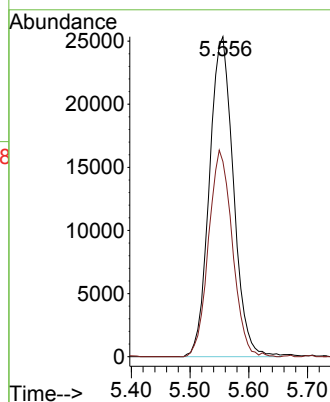
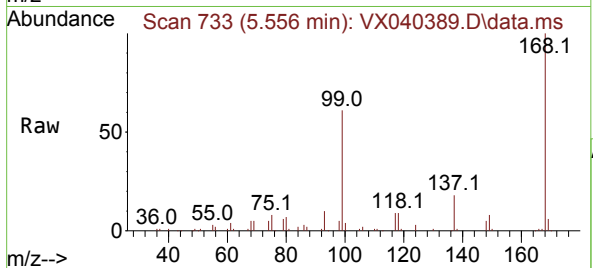




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

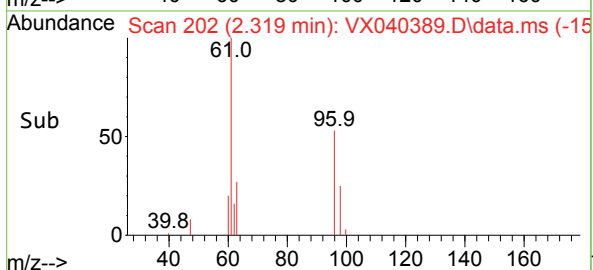
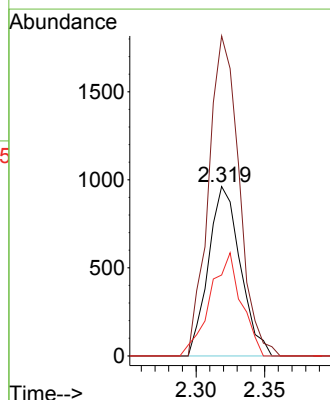
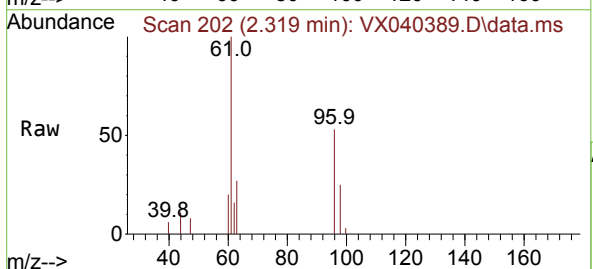
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

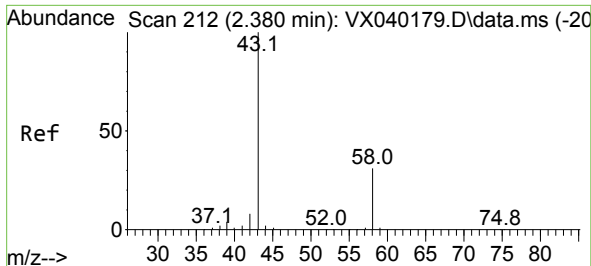
Tgt Ion:168 Resp: 72031
Ion Ratio Lower Upper
168 100
99 60.9 56.6 85.0



#12
1,1-Dichloroethene
Concen: 2.113 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 96 Resp: 1554
Ion Ratio Lower Upper
96 100
61 188.9 144.6 216.8
98 47.7 50.4 75.6#





#16

Acetone

Concen: 3.554 ug/l

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040389.D

Acq: 21 Feb 2024 18:08

Instrument :

MSVOA_X

ClientSampleId :

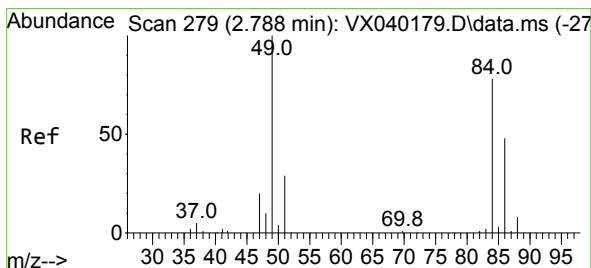
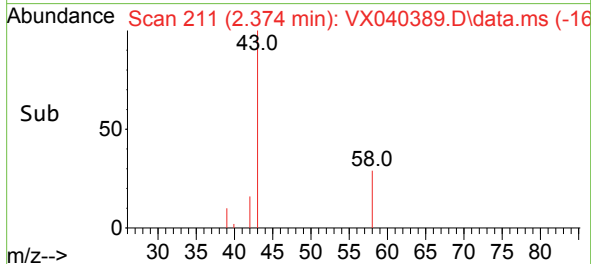
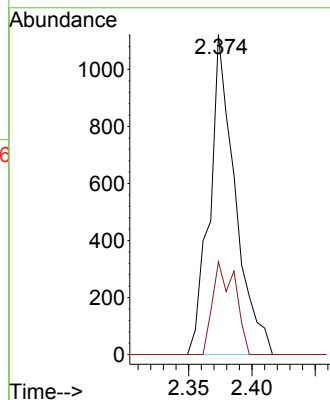
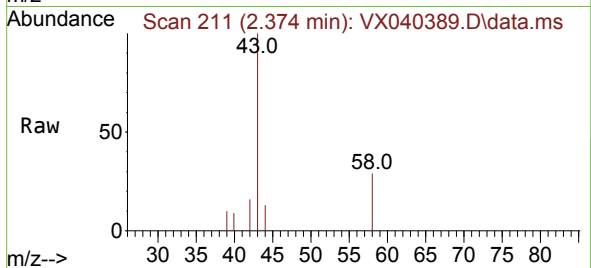
RE104D2-20240216

Tgt Ion: 43 Resp: 1564

Ion Ratio Lower Upper

43 100

58 29.1 21.9 32.9



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX040389.D

Acq: 21 Feb 2024 18:08

Tgt Ion: 84 Resp: 241

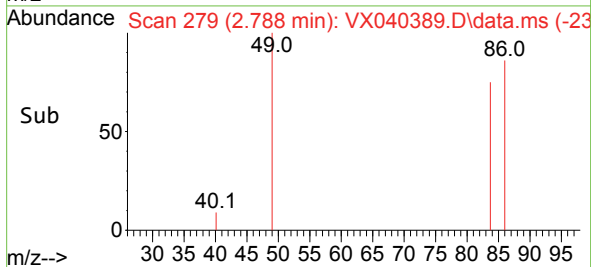
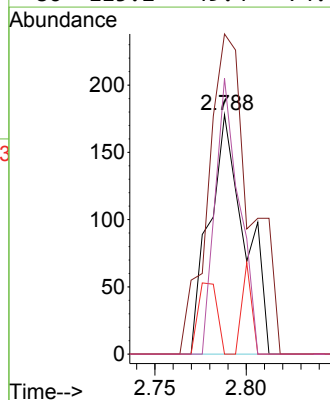
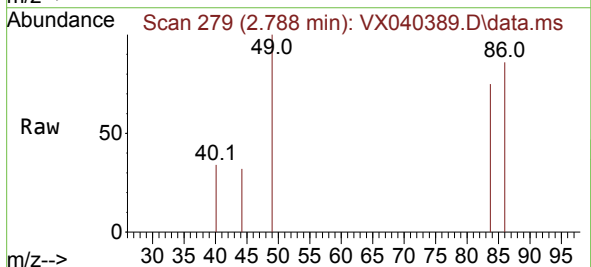
Ion Ratio Lower Upper

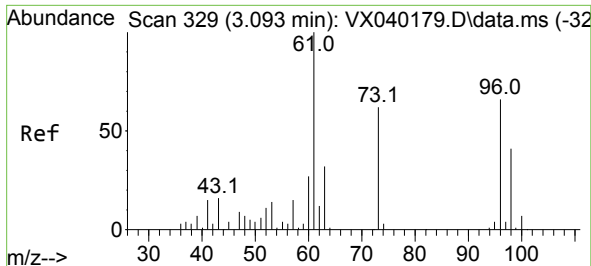
84 100

49 133.7 103.6 155.4

51 0.0 33.8 50.6#

86 115.2 49.4 74.0#

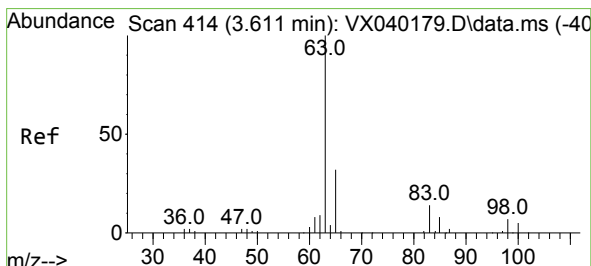
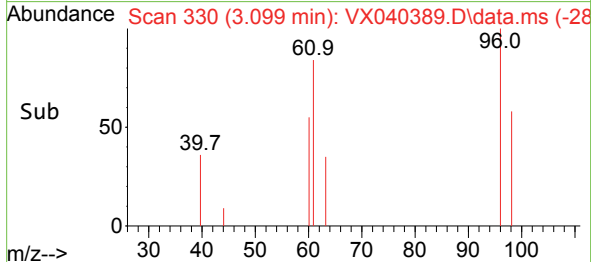
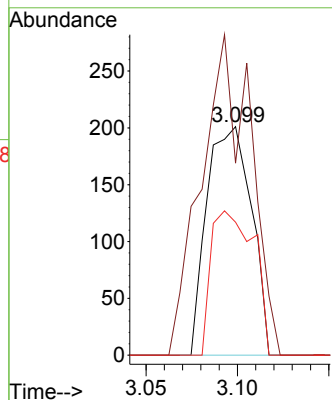
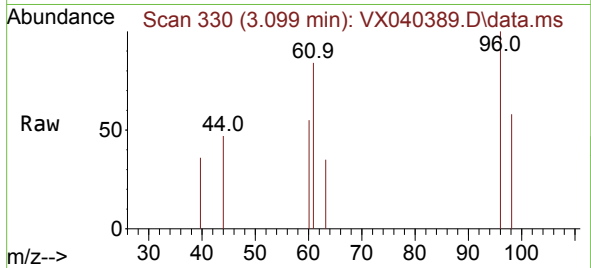




#21
trans-1,2-Dichloroethene
Concen: 0.407 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

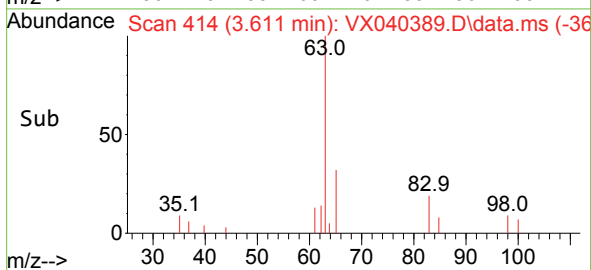
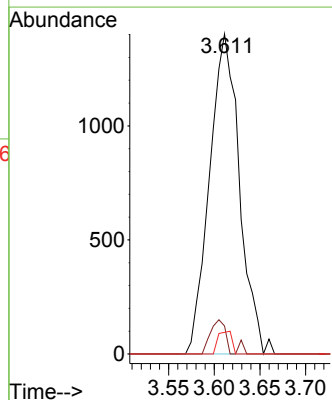
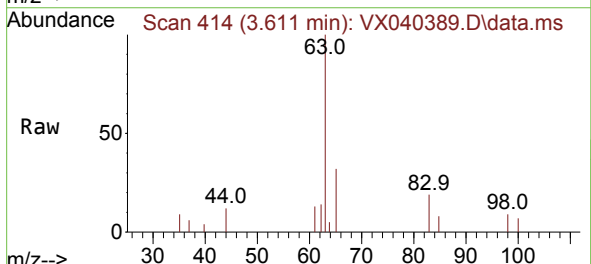
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

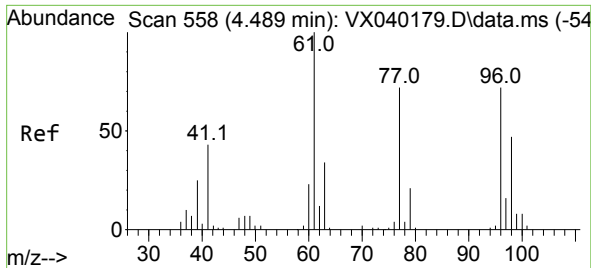
Tgt Ion: 96 Resp: 341
Ion Ratio Lower Upper
96 100
61 84.1 119.2 178.8#
98 58.2 48.7 73.1



#24
1,1-Dichloroethane
Concen: 2.126 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 63 Resp: 3206
Ion Ratio Lower Upper
63 100
98 8.8 3.3 9.8
100 6.8 2.1 6.5#



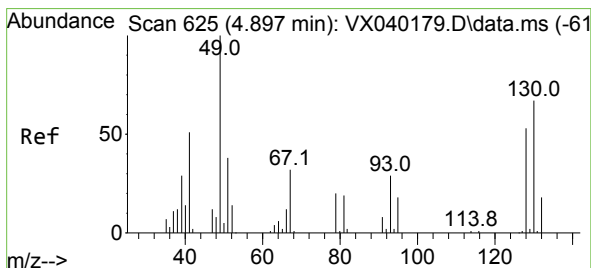
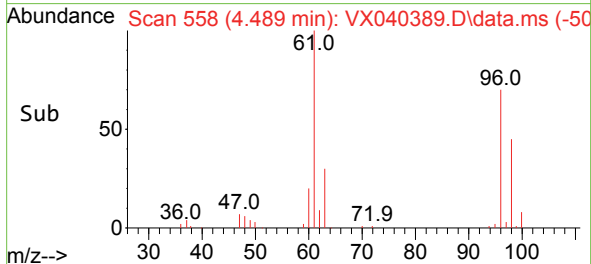
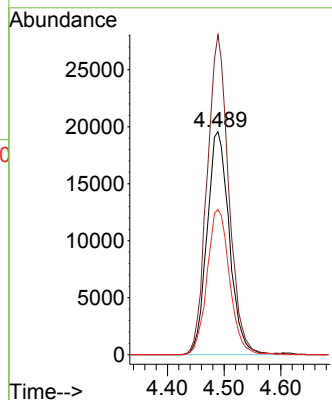
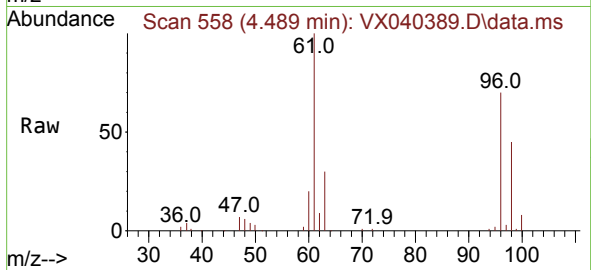


#27
 cis-1,2-Dichloroethene
 Concen: 55.812 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX040389.D
 Acq: 21 Feb 2024 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20240216

Tgt Ion: 96 Resp: 53327

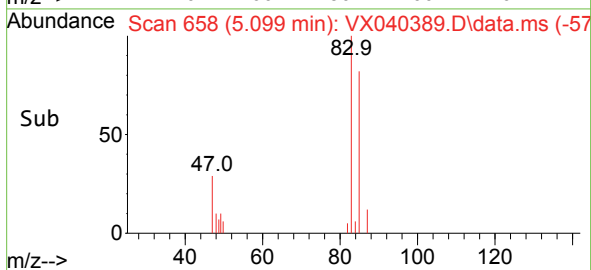
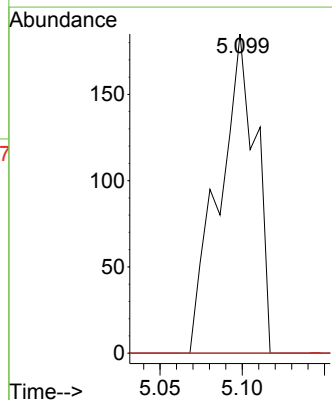
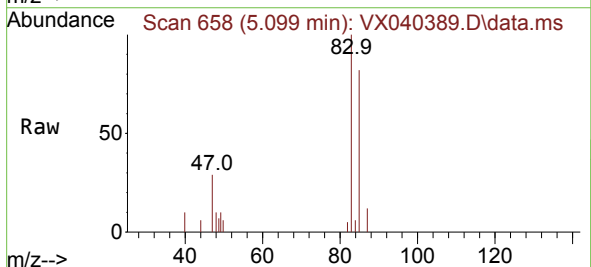
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	312.2
98	65.8	0.0	129.0

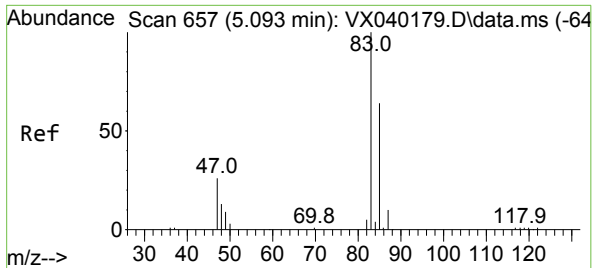


#28
 Bromochloromethane
 Concen: 0.451 ug/l
 RT: 5.099 min Scan# 658
 Delta R.T. 0.201 min
 Lab File: VX040389.D
 Acq: 21 Feb 2024 18:08

Tgt Ion: 49 Resp: 289

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	57.5	86.3

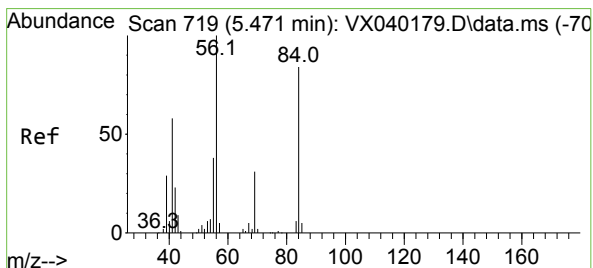
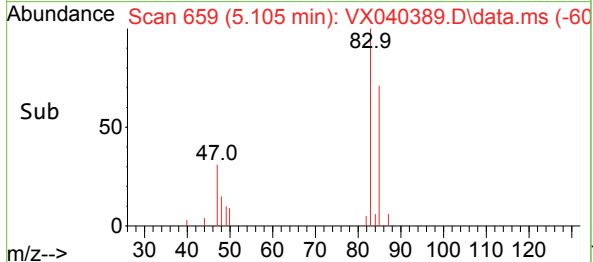
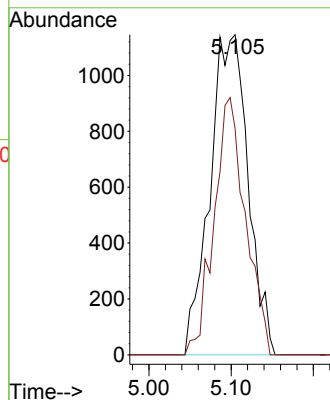
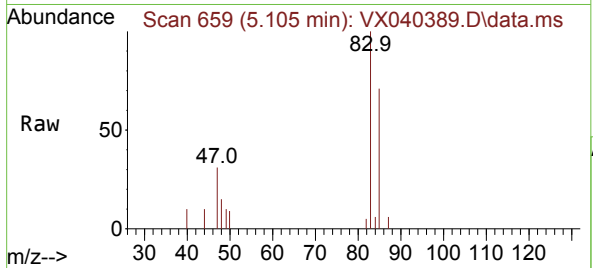




#30
Chloroform
Concen: 2.273 ug/l
RT: 5.105 min Scan# 610
Delta R.T. 0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

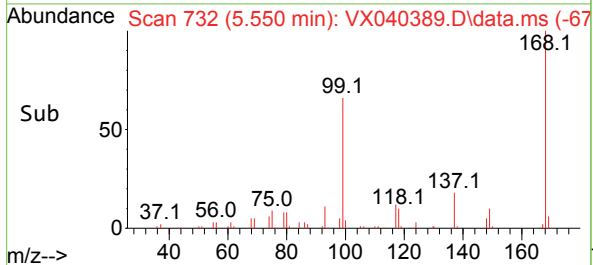
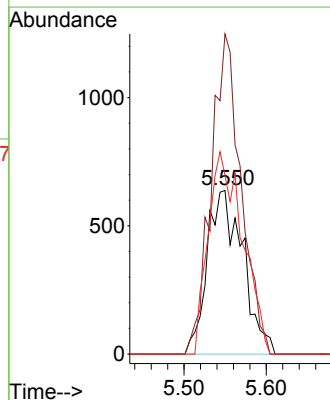
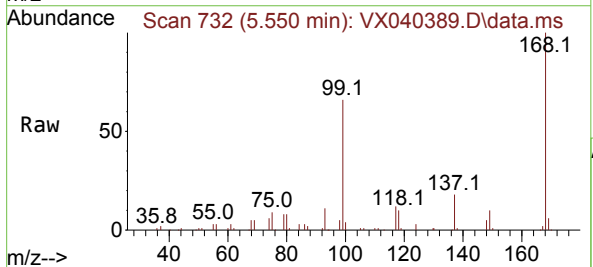
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MSVOA_X
ClientSampleId :
RE104D2-20240216

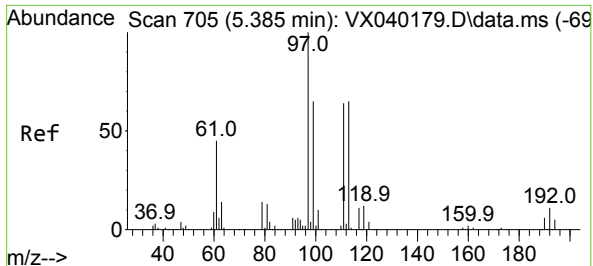
Tgt Ion: 83 Resp: 3705
Ion Ratio Lower Upper
83 100
85 70.7 50.3 75.5



#31
Cyclohexane
Concen: 1.505 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 56 Resp: 1924
Ion Ratio Lower Upper
56 100
69 195.6 23.4 35.2#
84 109.1 65.9 98.9#

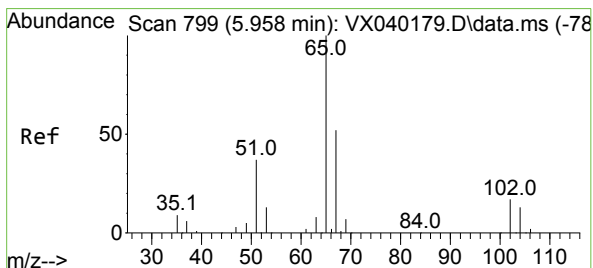
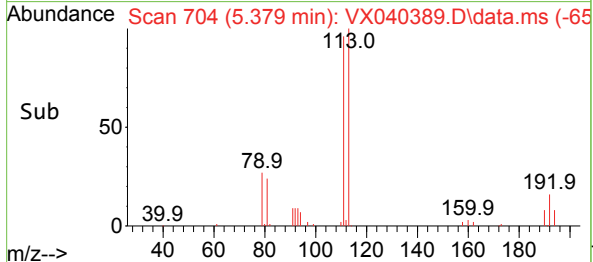
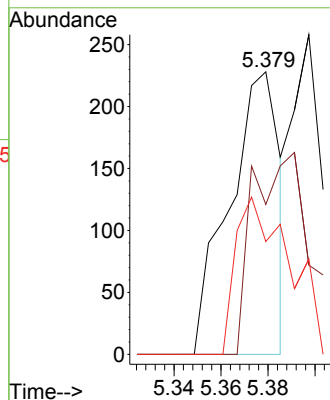
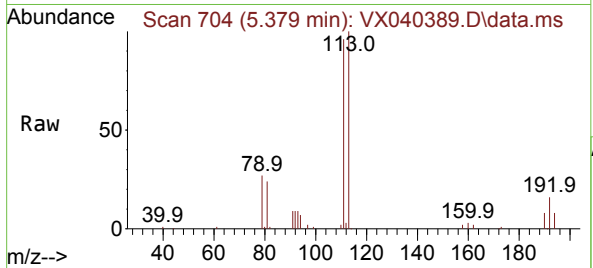




#32
1,1,1-Trichloroethane
Concen: 0.248 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

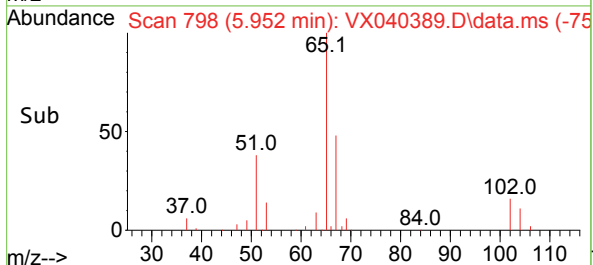
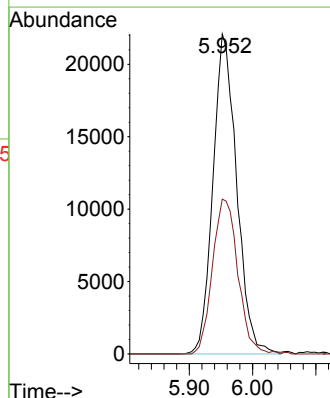
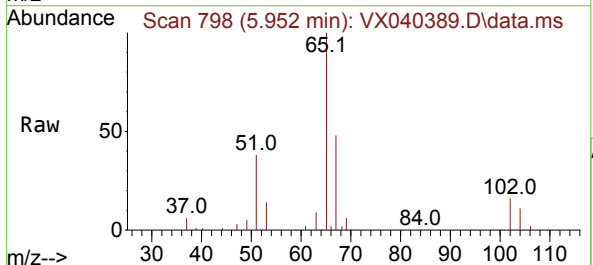
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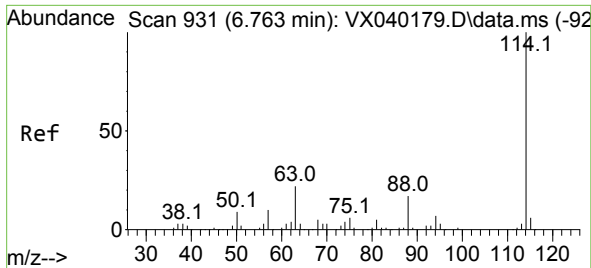
Tgt Ion: 97 Resp: 340
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 59.4 36.4 54.6#



#33
1,2-Dichloroethane-d4
Concen: 53.614 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 65 Resp: 57453
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

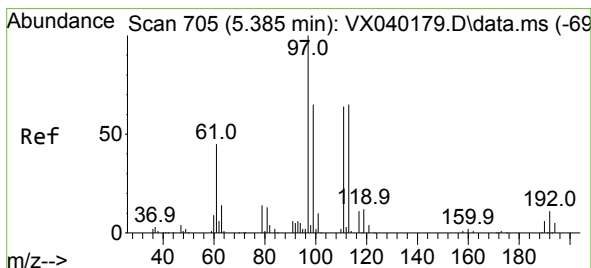
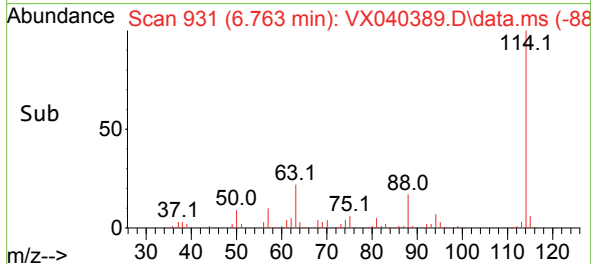
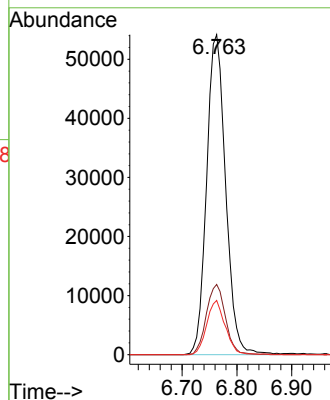
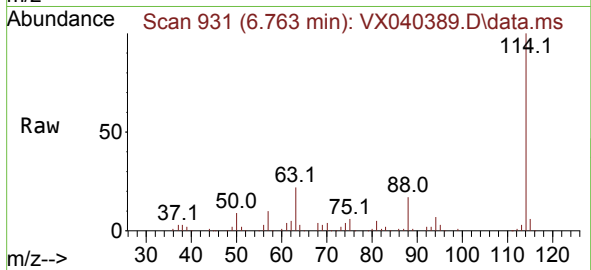




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

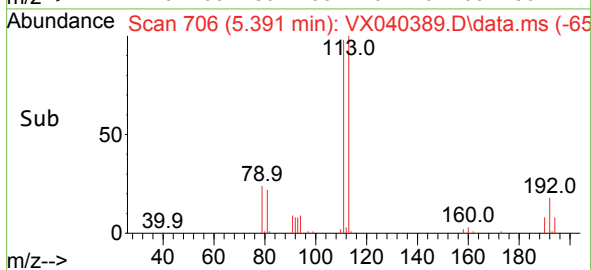
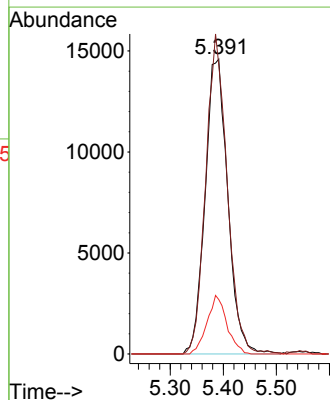
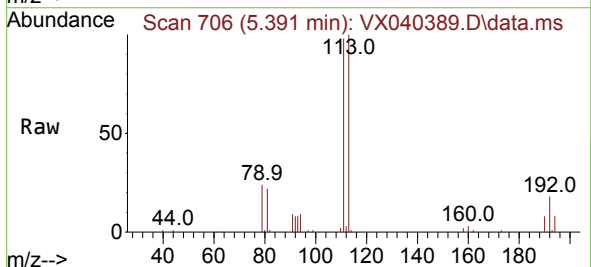
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

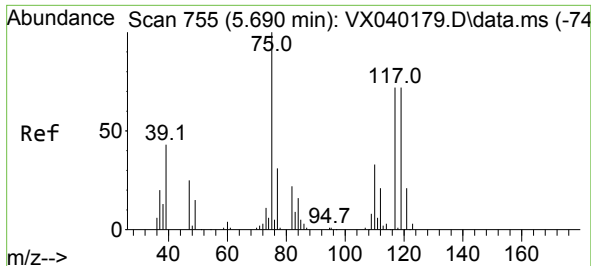
Tgt Ion:114 Resp: 130211
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.765 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion:113 Resp: 43434
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 17.3 13.3 19.9

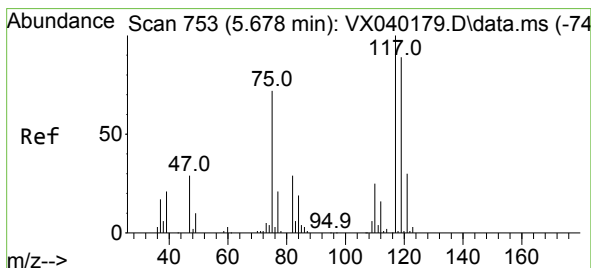
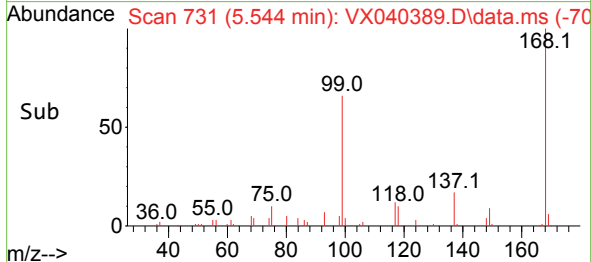
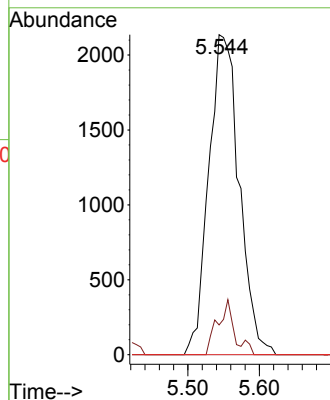
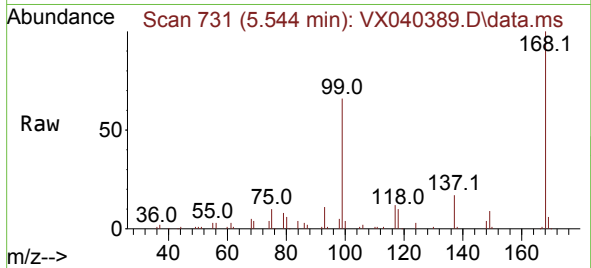




#36
1,1-Dichloropropene
Concen: 4.951 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

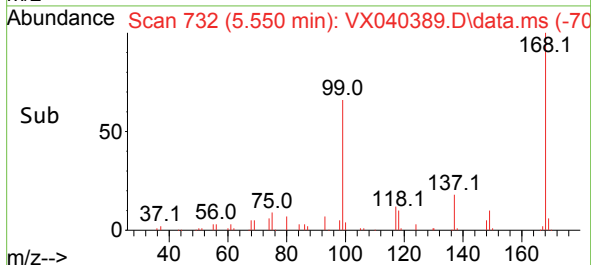
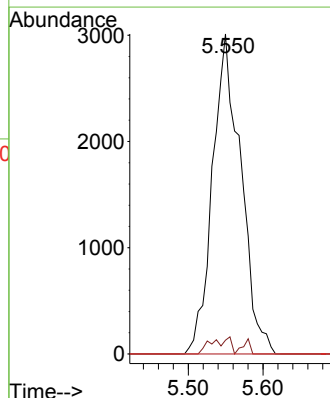
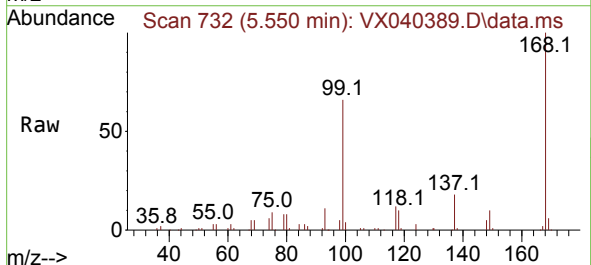
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

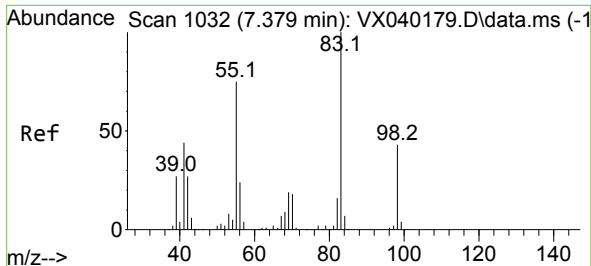
Tgt Ion: 75 Resp: 6306
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.543 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 117 Resp: 7924
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#

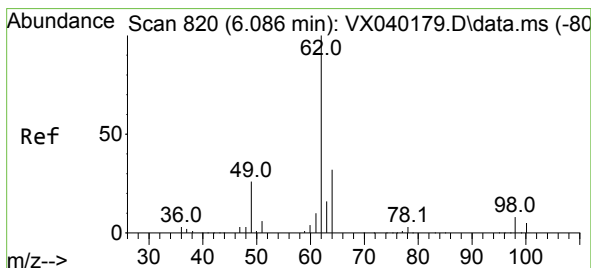
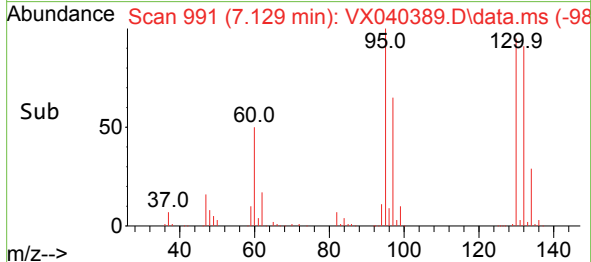
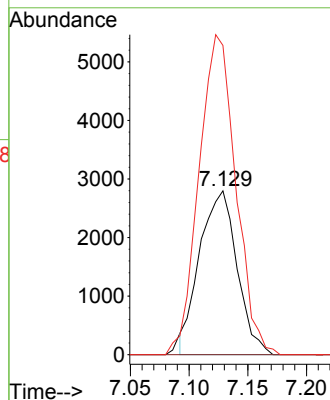
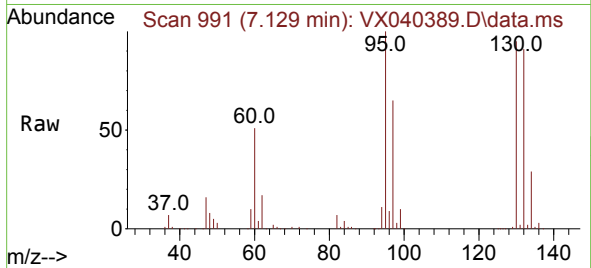




#39
Methylcyclohexane
Concen: 4.177 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

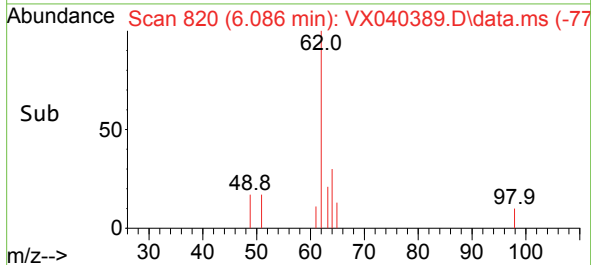
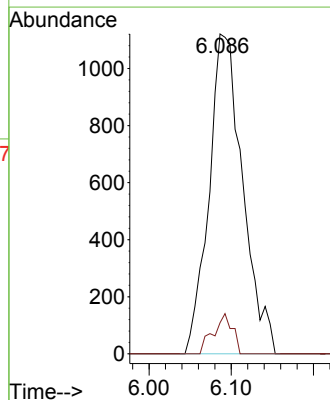
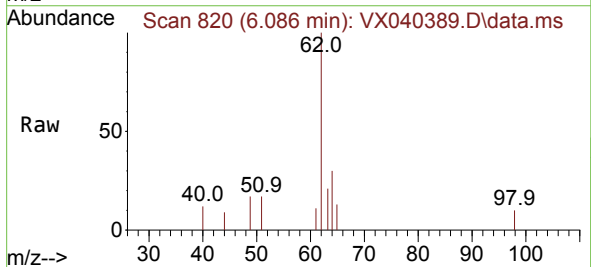
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

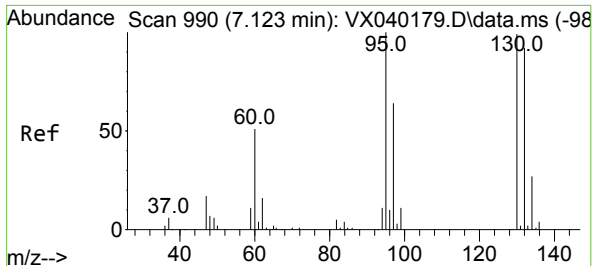
Tgt Ion: 83 Resp: 6183
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 188.9 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 2.295 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

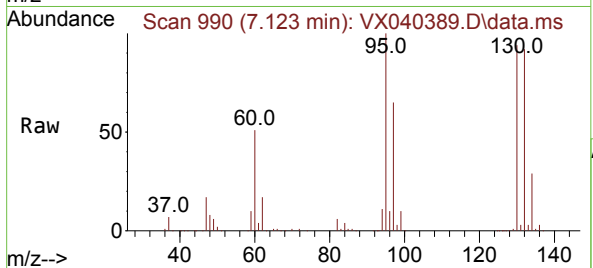
Tgt Ion: 62 Resp: 3196
Ion Ratio Lower Upper
62 100
98 7.1 0.0 16.0



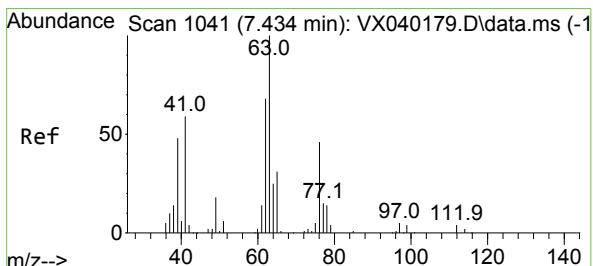
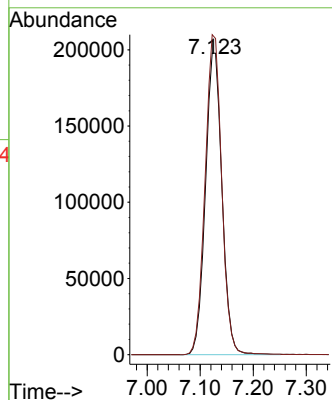
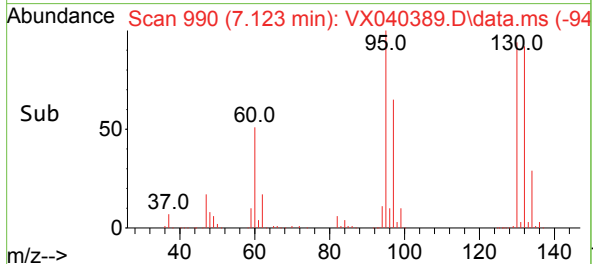


#44
Trichloroethene
Concen: 441.360 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

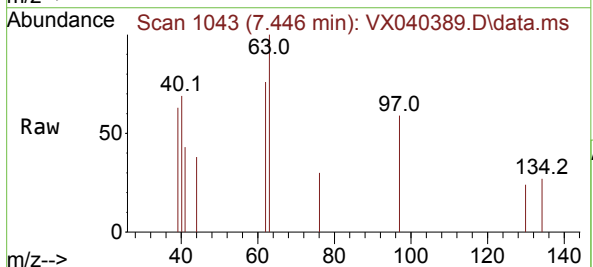
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216



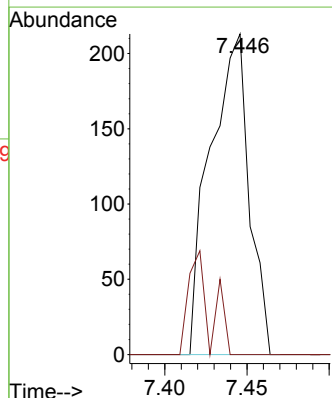
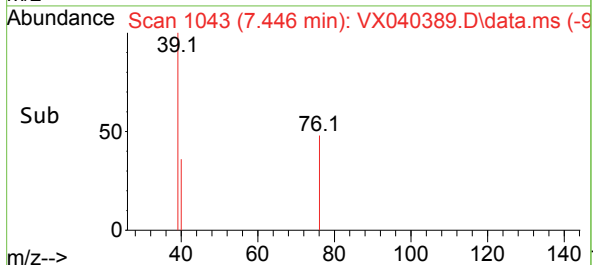
Tgt Ion:130 Resp: 433674
Ion Ratio Lower Upper
130 100
95 106.1 0.0 204.4

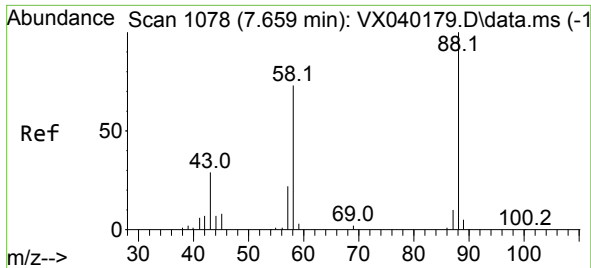


#45
1,2-Dichloropropane
Concen: 0.377 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. 0.018 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08



Tgt Ion: 63 Resp: 350
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

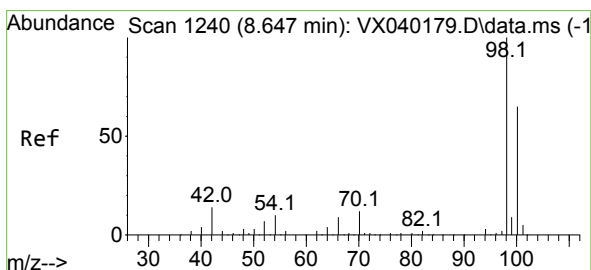
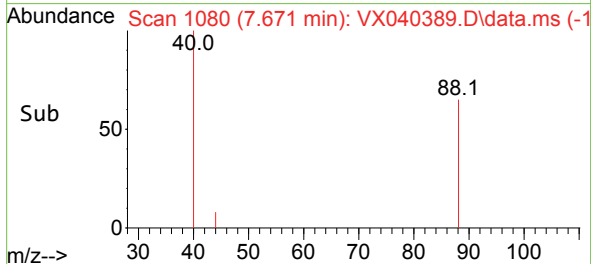
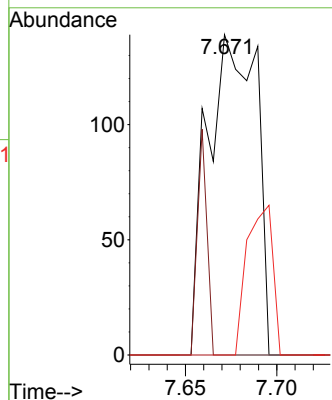
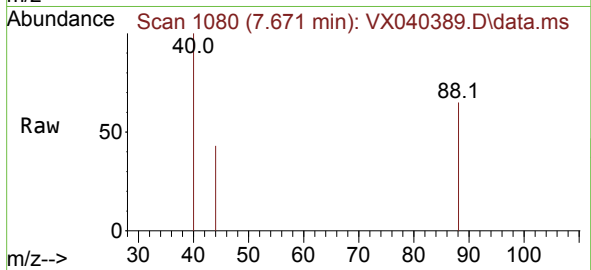




#49
1,4-Dioxane
Concen: 10.516 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

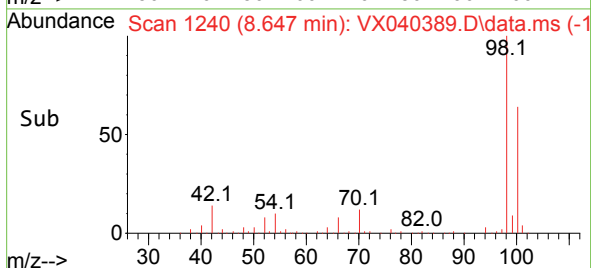
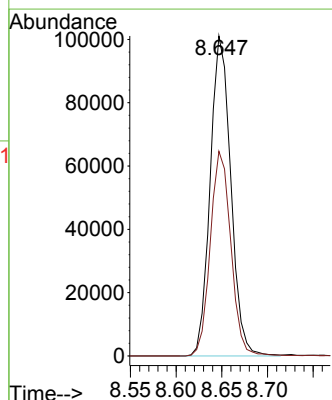
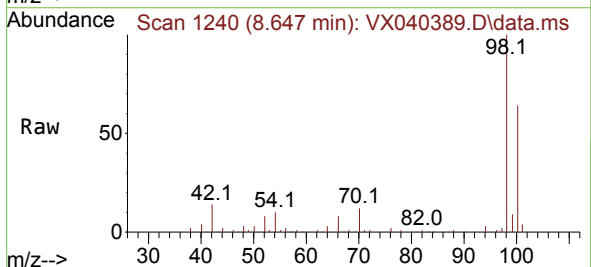
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

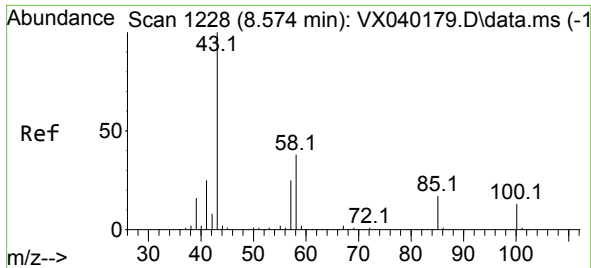
Tgt Ion: 88 Resp: 259
Ion Ratio Lower Upper
88 100
43 13.9 0.0 0.0#
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 46.513 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 98 Resp: 158214
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

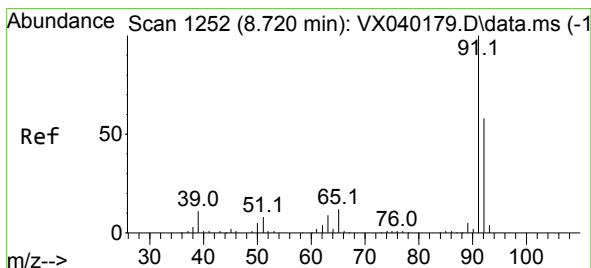
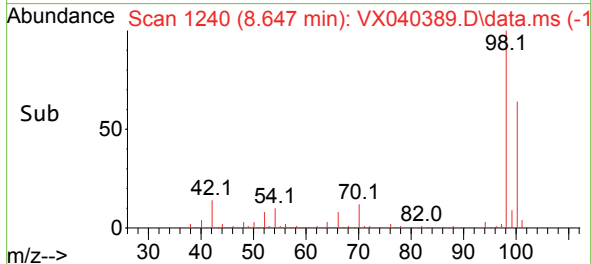
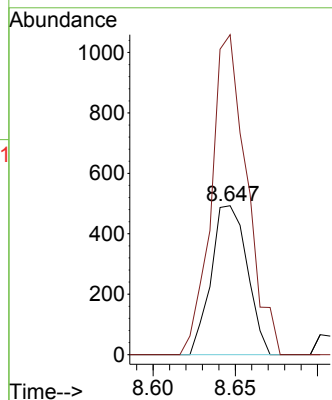
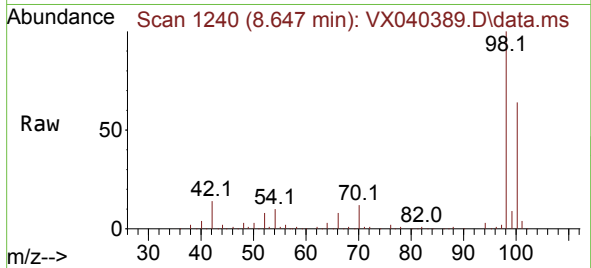




#51
4-Methyl-2-Pentanone
Concen: 0.497 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

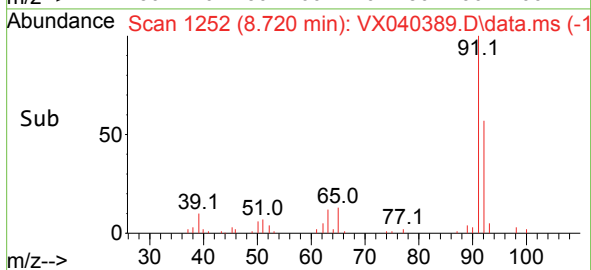
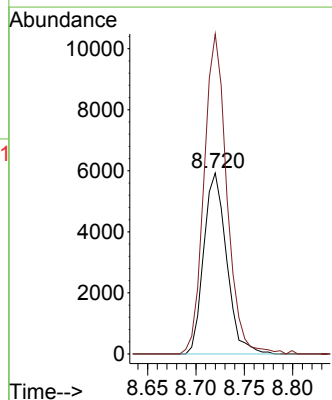
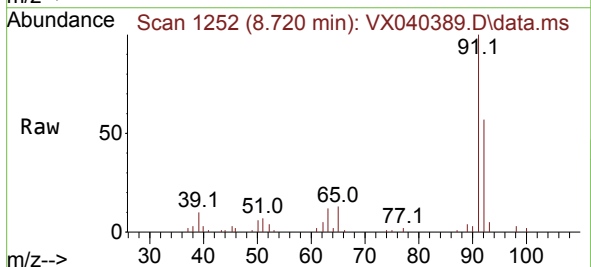
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

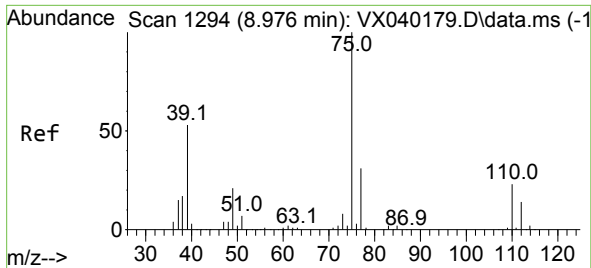
Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 211.9 30.4 45.6#



#52
Toluene
Concen: 4.183 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 92 Resp: 9759
Ion Ratio Lower Upper
92 100
91 176.5 134.2 201.2

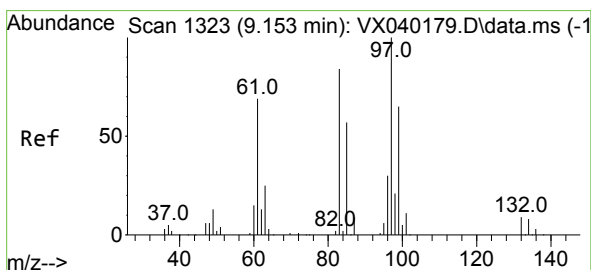
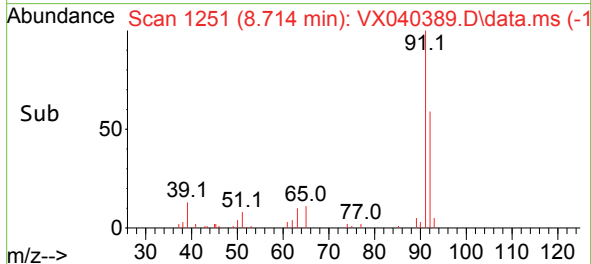
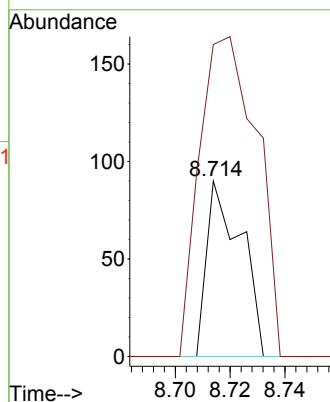
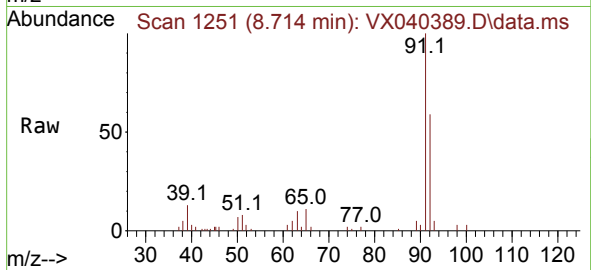




#53
t-1,3-Dichloropropene
Concen: 2.006 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.262 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

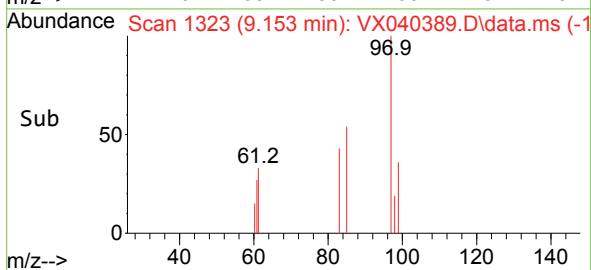
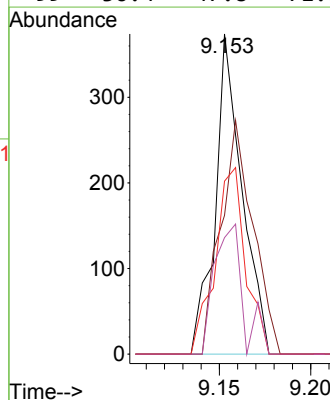
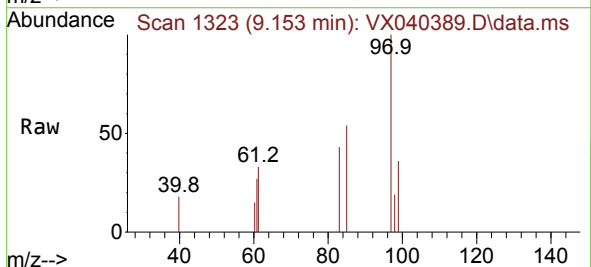
Instrument :
MSVOA_X
ClientSampleId :
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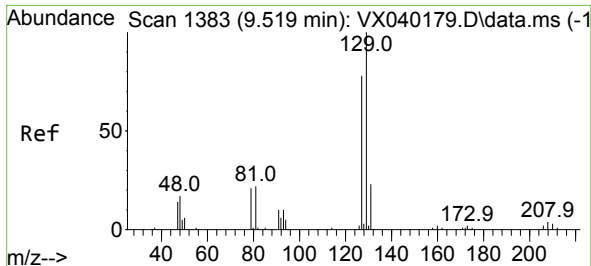
Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
77 177.8 25.7 38.5#



#55
1,1,2-Trichloroethane
Concen: 0.385 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 97 Resp: 383
Ion Ratio Lower Upper
97 100
83 43.3 65.8 98.8#
85 54.0 41.6 62.4
99 36.4 47.8 71.8#

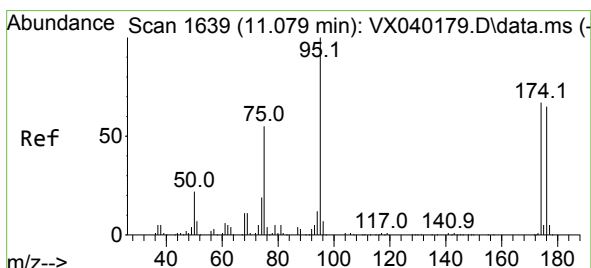
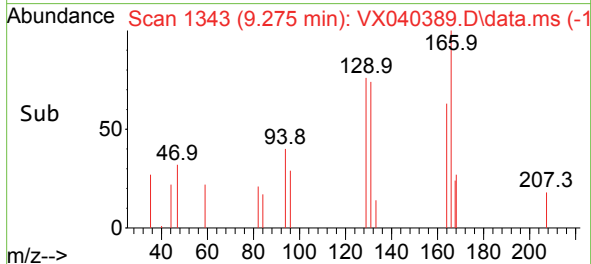
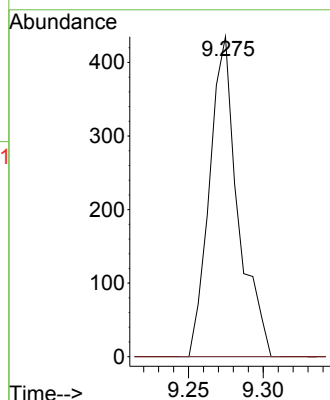
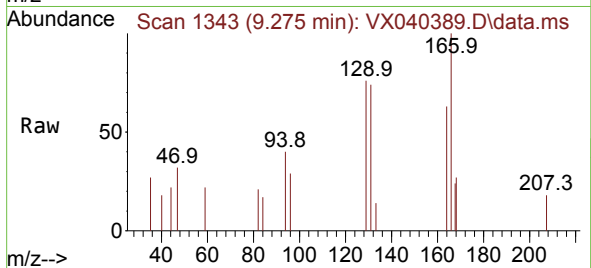




#60
Dibromochloromethane
Concen: 0.569 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

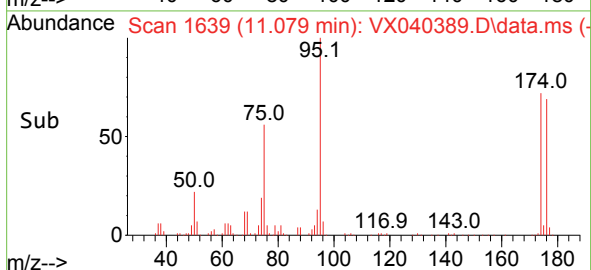
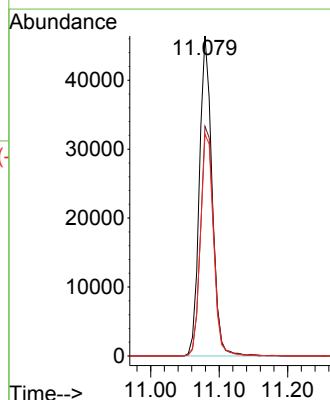
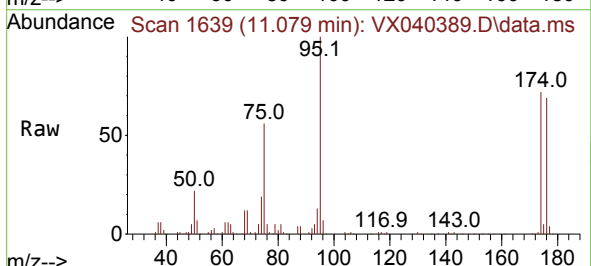
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

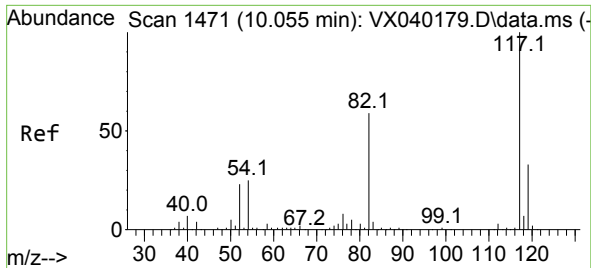
Tgt Ion:129 Resp: 577
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.127 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion: 95 Resp: 59829
Ion Ratio Lower Upper
95 100
174 74.7 0.0 135.6
176 71.4 0.0 131.0

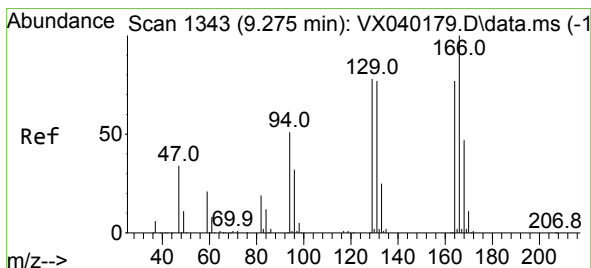
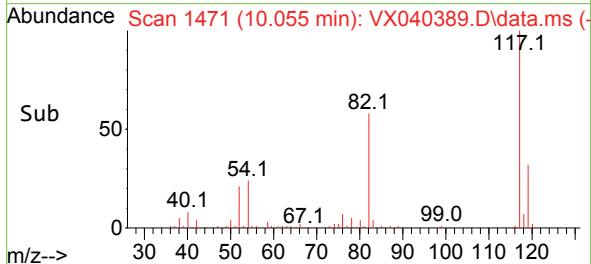
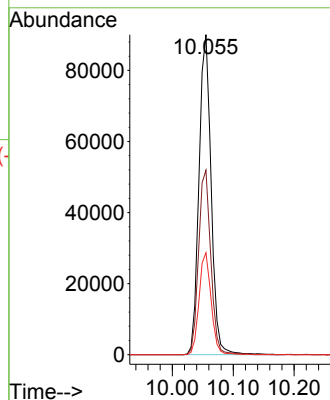
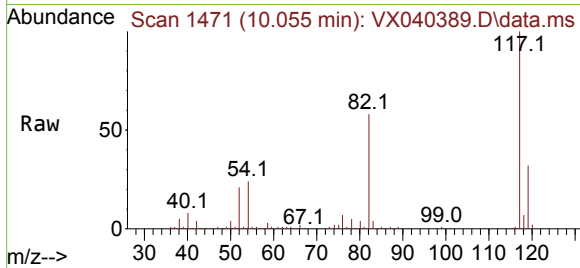




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

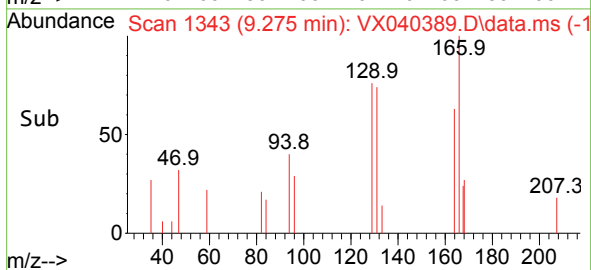
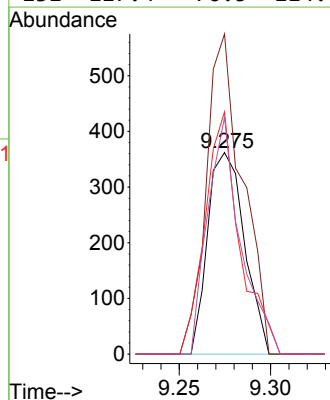
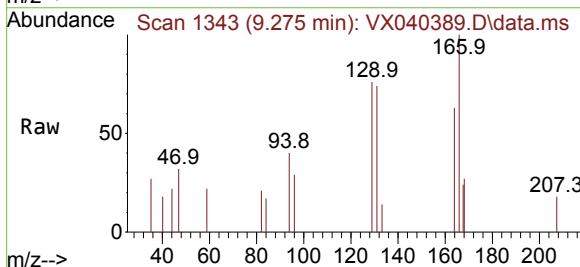
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216

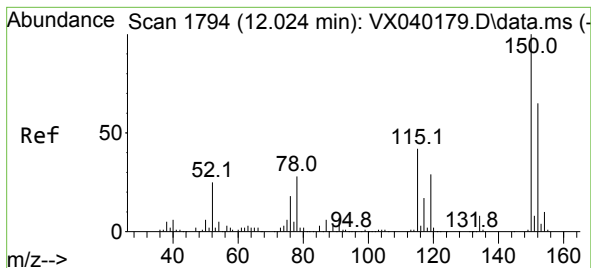
Tgt Ion:117 Resp: 124358
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.582 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Tgt Ion:164 Resp: 507
Ion Ratio Lower Upper
164 100
166 158.8 102.7 154.1#
129 120.2 80.4 120.6
131 117.4 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040389.D

Acq: 21 Feb 2024 18:08

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20240216

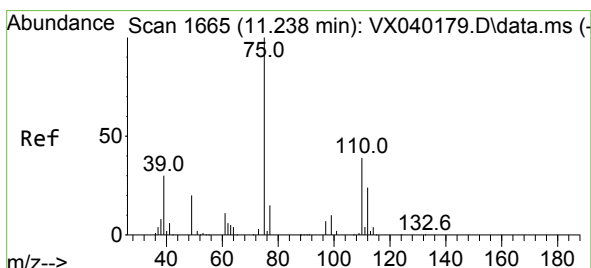
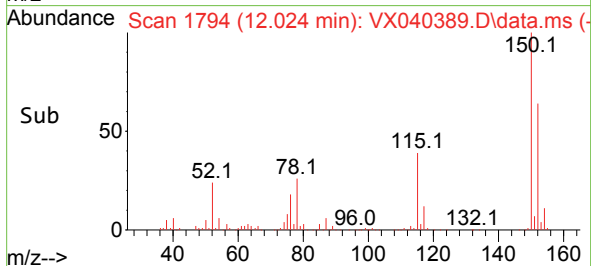
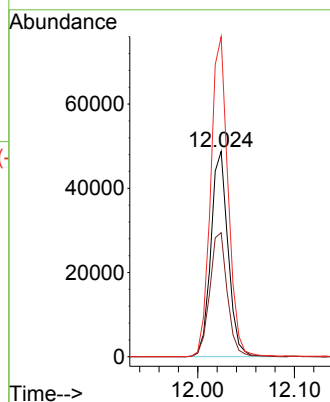
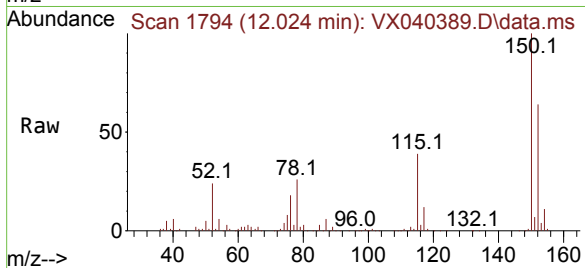
Tgt Ion:152 Resp: 60248

Ion Ratio Lower Upper

152 100

115 61.9 43.3 129.9

150 158.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.147 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040389.D

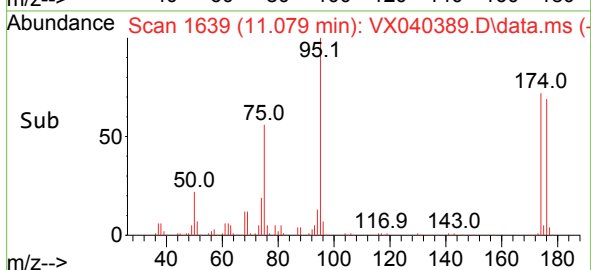
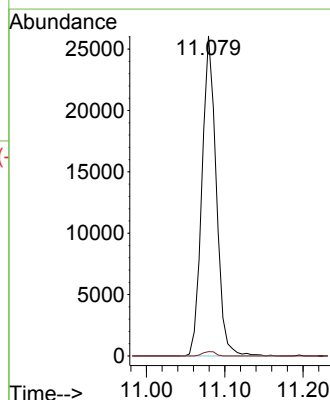
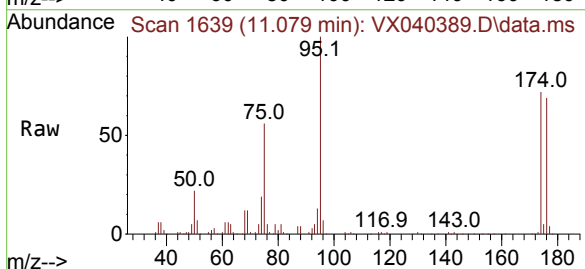
Acq: 21 Feb 2024 18:08

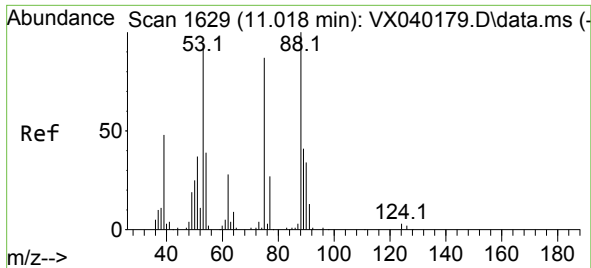
Tgt Ion: 75 Resp: 33120

Ion Ratio Lower Upper

75 100

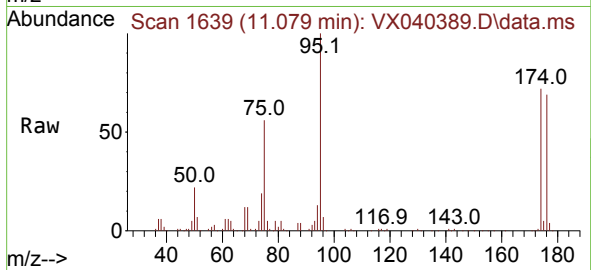
77 1.2 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.368 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040389.D
Acq: 21 Feb 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20240216



Tgt Ion: 75 Resp: 33120
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

