

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022024\
 Data File : VX040366.D
 Acq On : 20 Feb 2024 18:50
 Operator : JC/MD
 Sample : P1520-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20240215

Quant Time: Feb 21 01:17:56 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

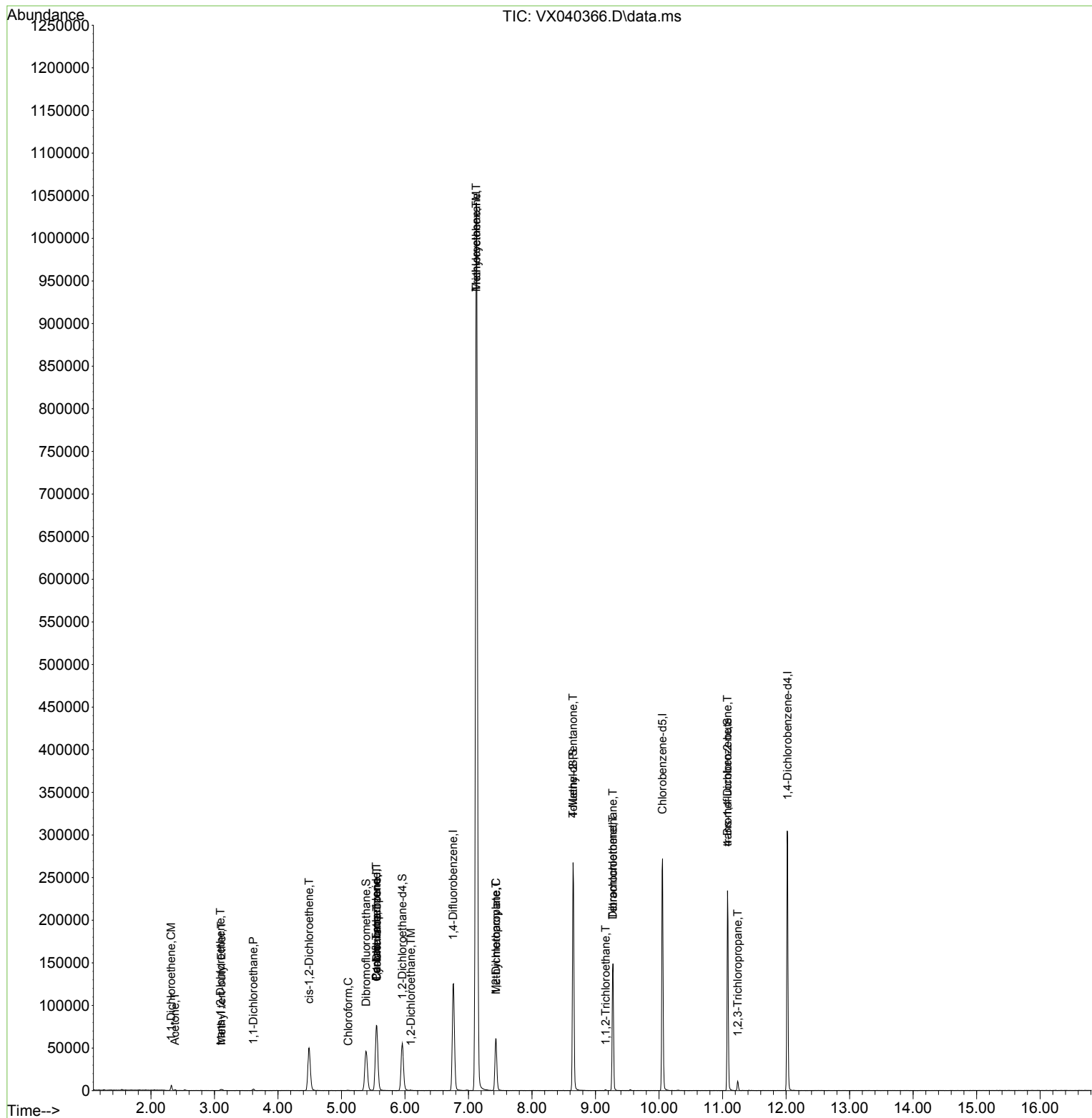
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122519	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54726	52.987	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.980%
35) Dibromofluoromethane	5.385	113	40968	47.882	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.760%
50) Toluene-d8	8.647	98	154008	48.119	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.240%
62) 4-Bromofluorobenzene	11.079	95	59439	45.536	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.080%
Target Compounds						
12) 1,1-Dichloroethene	2.318	96	1831	2.583	ug/l #	71
16) Acetone	2.379	43	772	1.820	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	1231	0.493	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	239	0.296	ug/l	98
24) 1,1-Dichloroethane	3.611	63	1742	1.199	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	30236	32.833	ug/l	89
30) Chloroform	5.105	83	426	0.271	ug/l #	70
31) Cyclohexane	5.556	56	1784	1.448	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	6374	5.318	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7653	6.716	ug/l #	16
39) Methylcyclohexane	7.122	83	5227	3.753	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	558	0.426	ug/l #	77
44) Trichloroethene	7.122	130	385474	416.935	ug/l	99
45) 1,2-Dichloropropane	7.433	63	23749	27.223	ug/l	96
48) Methyl methacrylate	7.433	41	14301	13.425	ug/l #	40
51) 4-Methyl-2-Pentanone	8.647	43	813	0.572	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	361	0.386	ug/l #	75
60) Dibromochloromethane	9.275	129	25694	26.933	ug/l #	11
64) Tetrachloroethene	9.275	164	25889	30.918	ug/l	95
76) 1,2,3-Trichloropropane	11.238	75	3571	2.944	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	32412	73.270	ug/l #	5

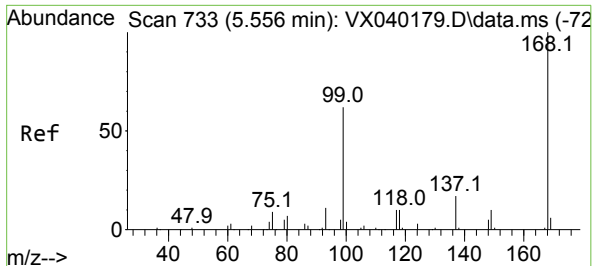
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022024\
Data File : VX040366.D
Acq On : 20 Feb 2024 18:50
Operator : JC/MD
Sample : P1520-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

Quant Time: Feb 21 01:17:56 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

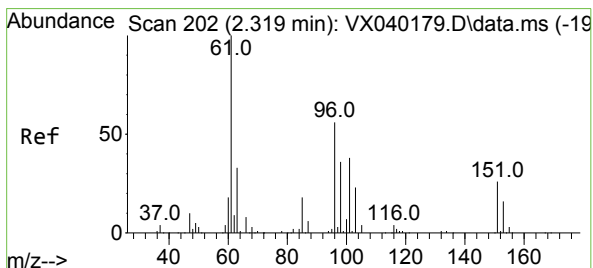
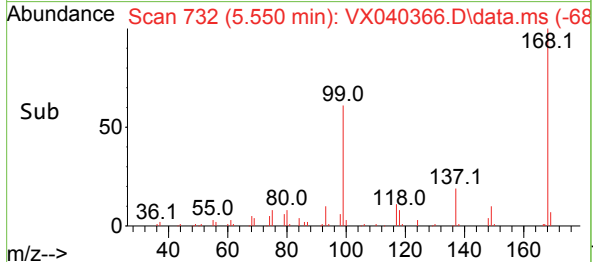
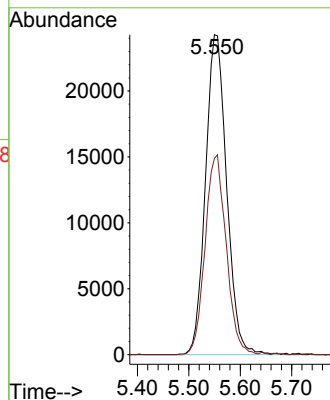
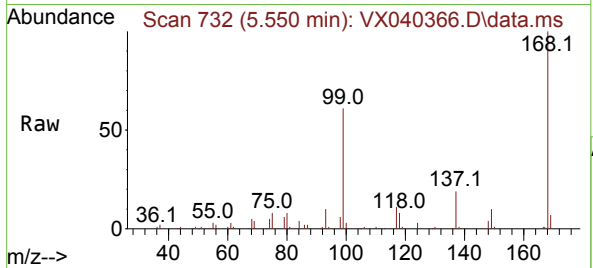




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

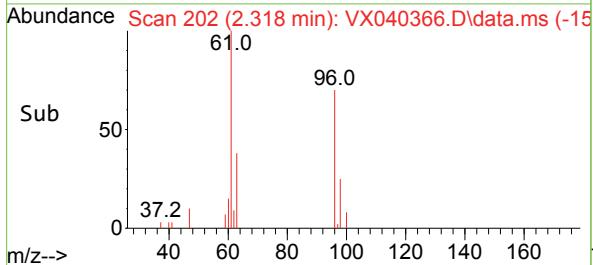
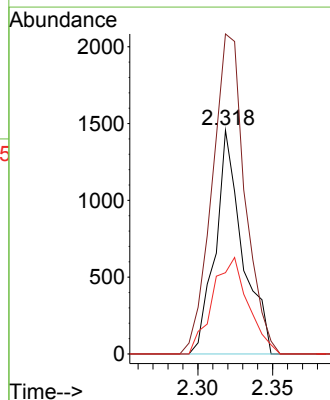
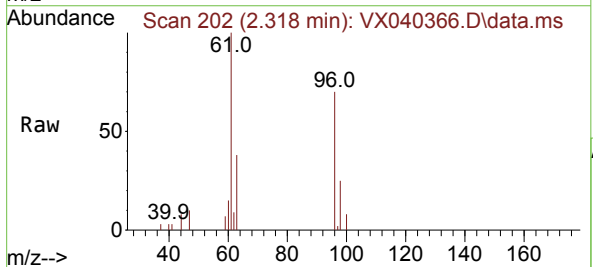
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

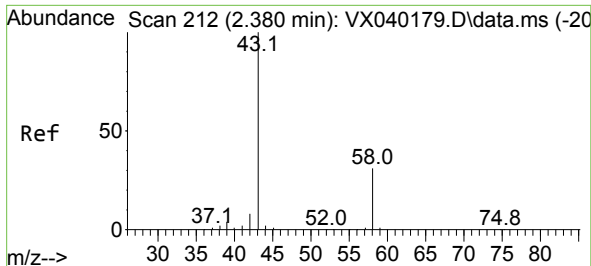
Tgt Ion:168 Resp: 69424
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#12
1,1-Dichloroethene
Concen: 2.583 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion: 96 Resp: 1831
Ion Ratio Lower Upper
96 100
61 143.1 144.6 216.8#
98 36.3 50.4 75.6#

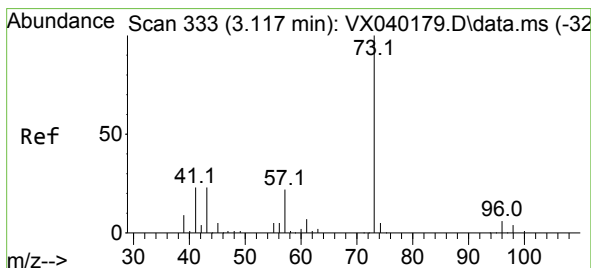
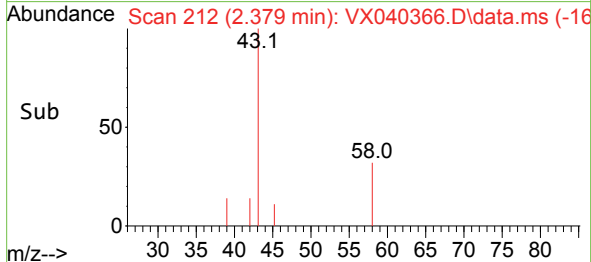
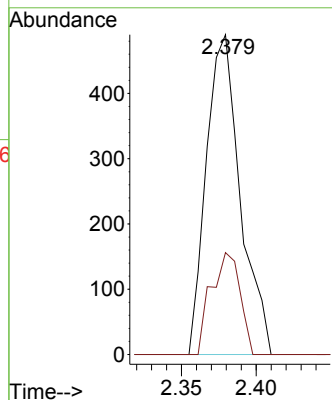
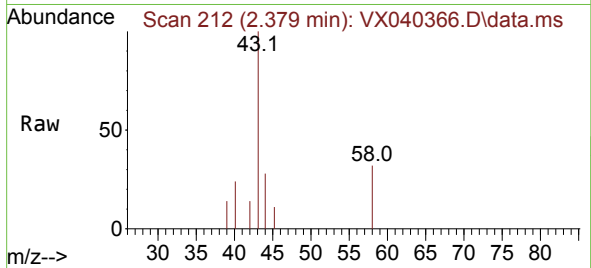




#16
Acetone
Concen: 1.820 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

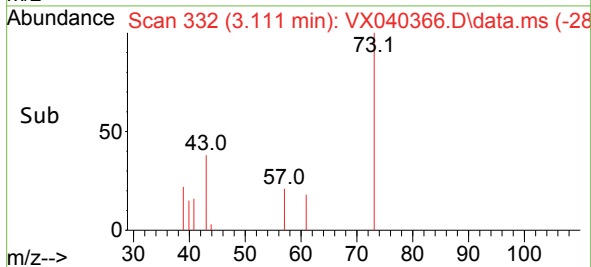
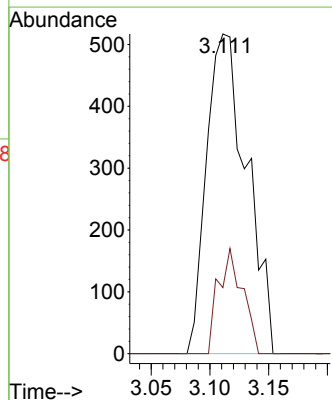
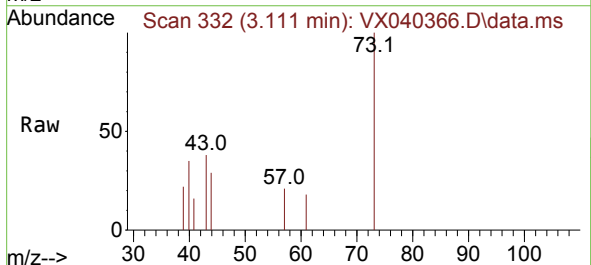
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

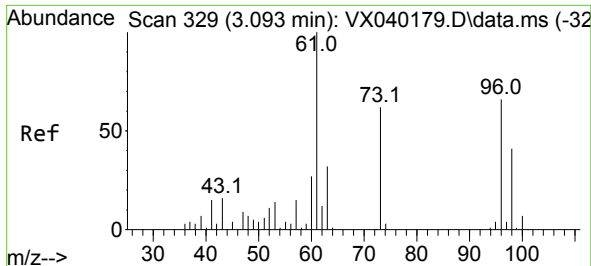
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
58 31.8 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.493 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

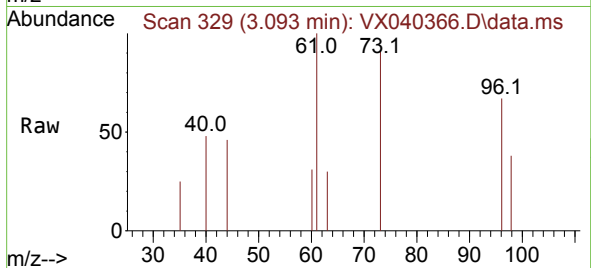
Tgt Ion: 73 Resp: 1231
Ion Ratio Lower Upper
73 100
57 20.7 17.3 25.9



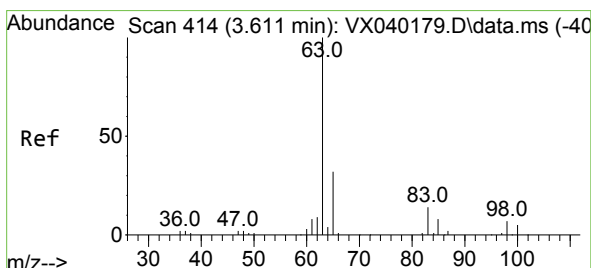
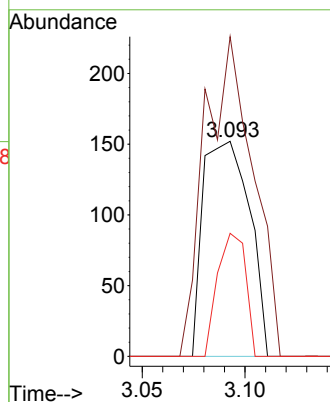
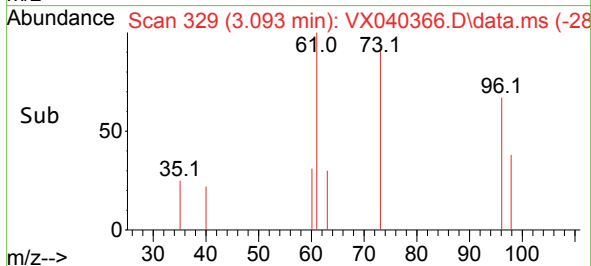


#21
trans-1,2-Dichloroethene
Concen: 0.296 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

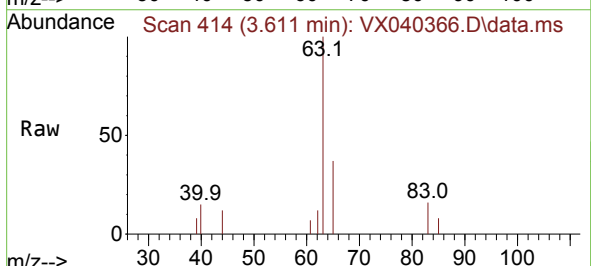
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215



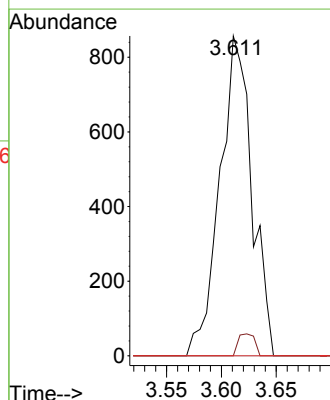
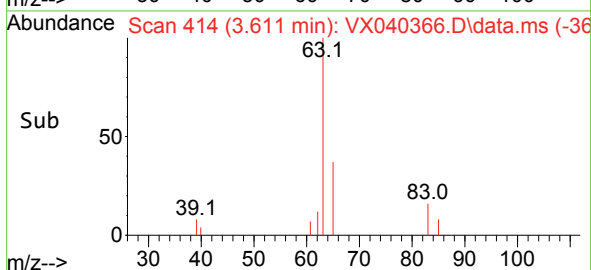
Tgt Ion: 96 Resp: 239
Ion Ratio Lower Upper
96 100
61 148.7 119.2 178.8
98 57.2 48.7 73.1

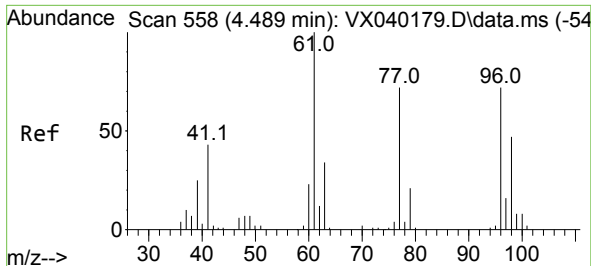


#24
1,1-Dichloroethane
Concen: 1.199 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50



Tgt Ion: 63 Resp: 1742
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: 32.833 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX040366.D

Acq: 20 Feb 2024 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW17811-20240215

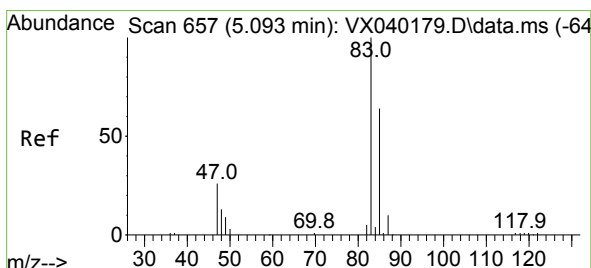
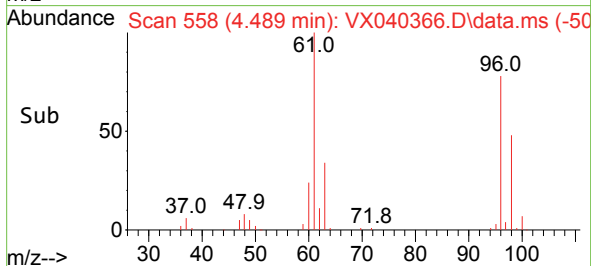
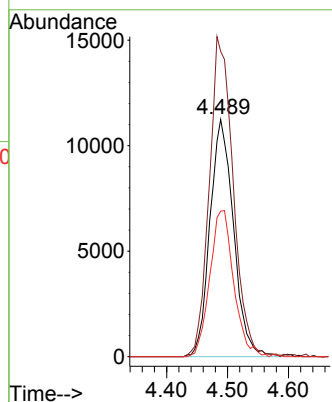
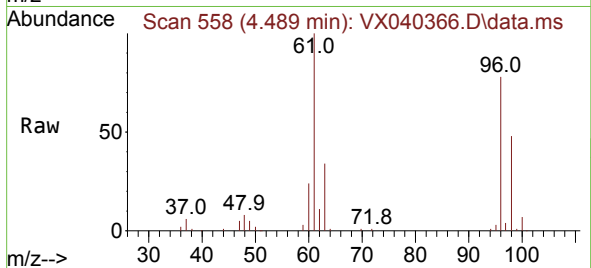
Tgt Ion: 96 Resp: 30236

Ion Ratio Lower Upper

96 100

61 136.5 0.0 312.2

98 62.5 0.0 129.0



#30

Chloroform

Concen: 0.271 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX040366.D

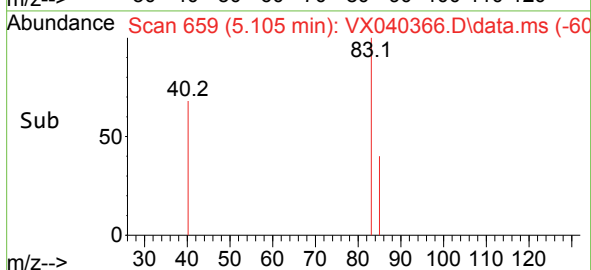
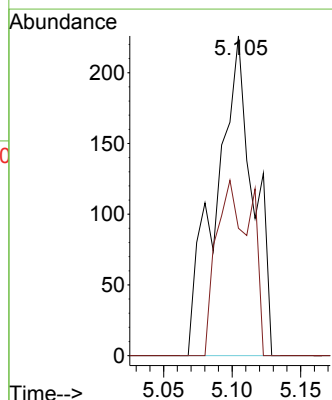
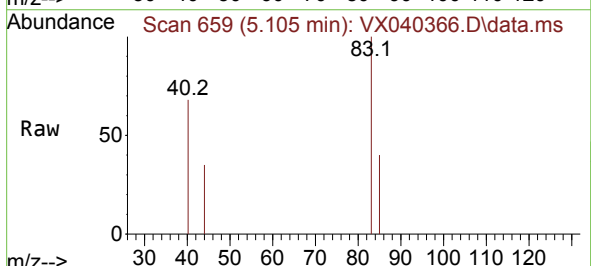
Acq: 20 Feb 2024 18:50

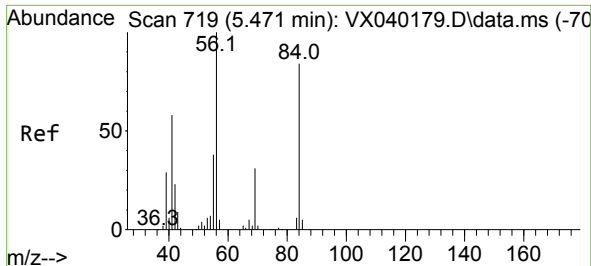
Tgt Ion: 83 Resp: 426

Ion Ratio Lower Upper

83 100

85 39.8 50.3 75.5#

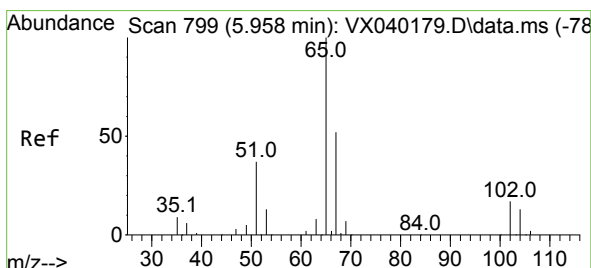
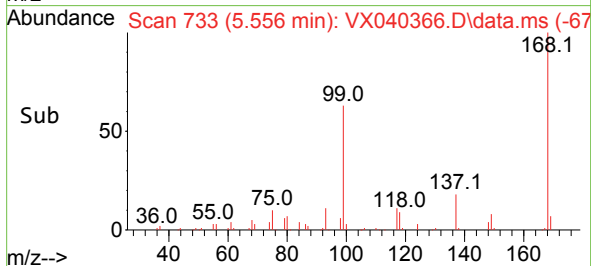
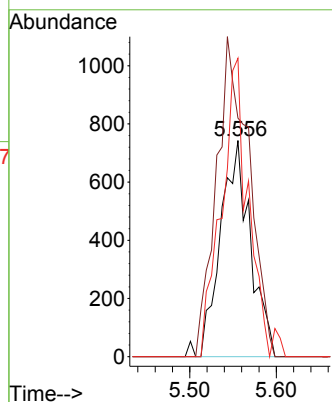
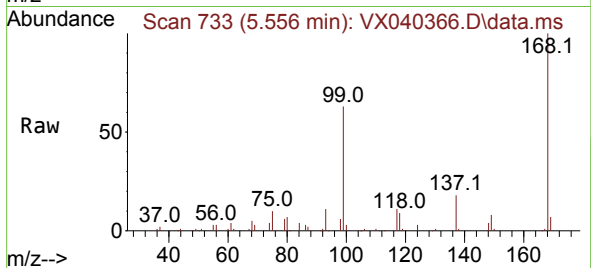




#31
Cyclohexane
Concen: 1.448 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

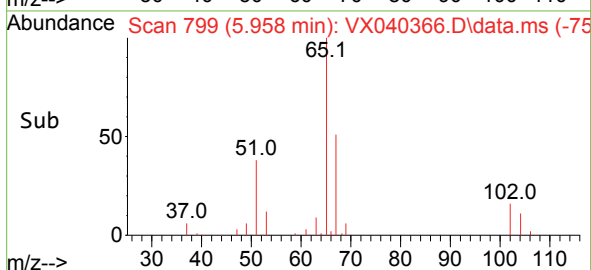
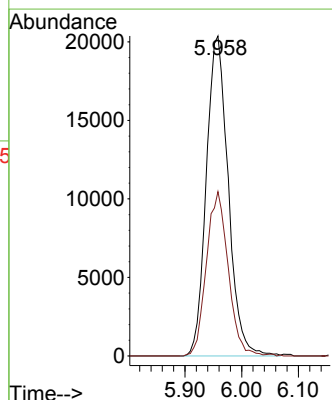
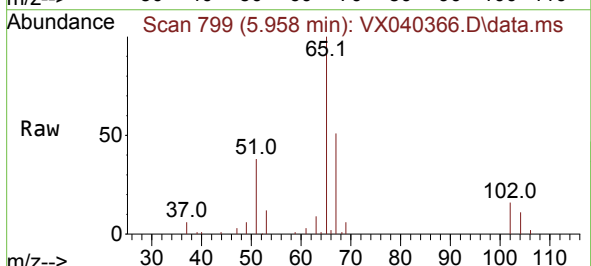
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

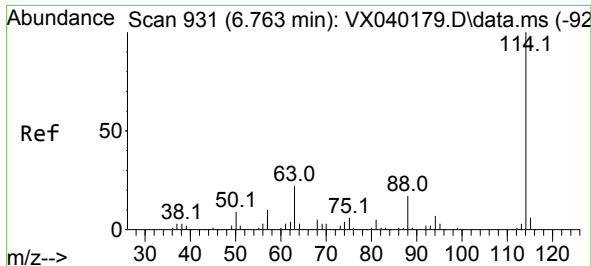
Tgt Ion: 56 Resp: 1784
Ion Ratio Lower Upper
56 100
69 110.4 23.4 35.2#
84 138.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 52.987 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion: 65 Resp: 54726
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

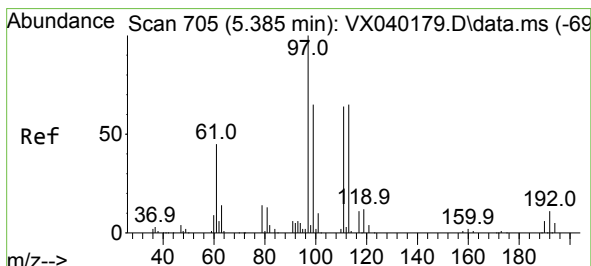
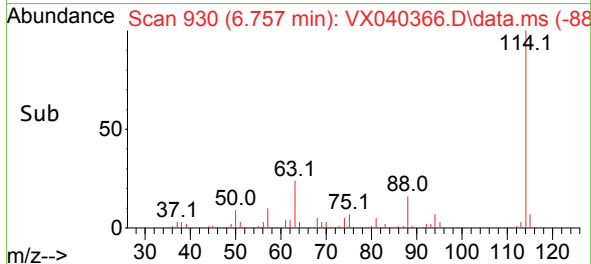
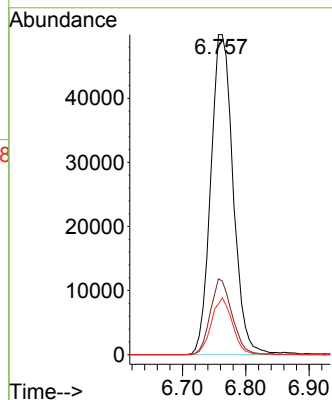
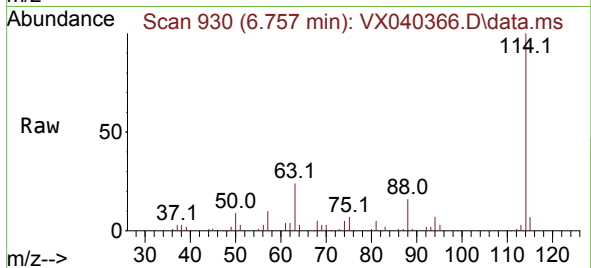




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

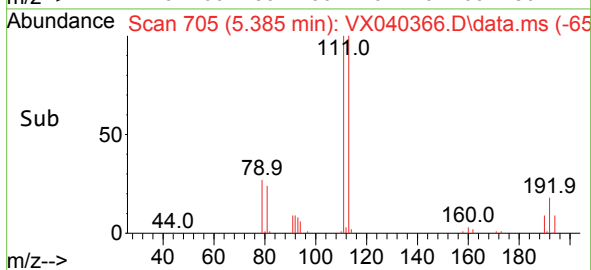
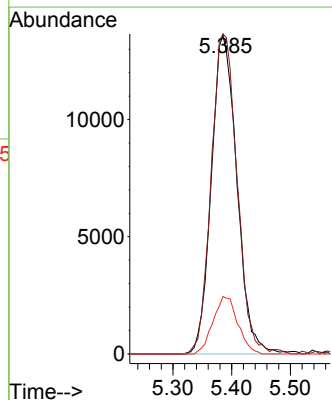
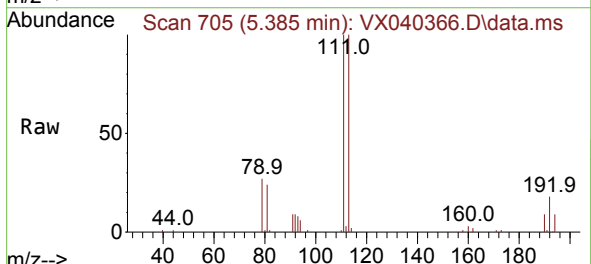
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

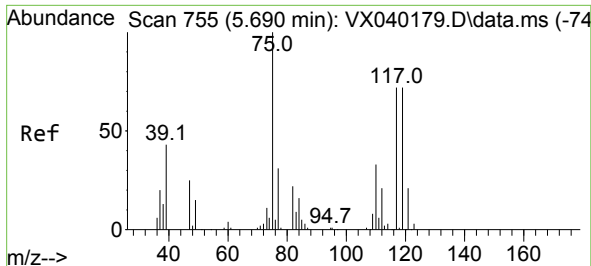
Tgt Ion:114 Resp: 122519
Ion Ratio Lower Upper
114 100
63 23.7 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.882 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion:113 Resp: 40968
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 17.5 13.3 19.9

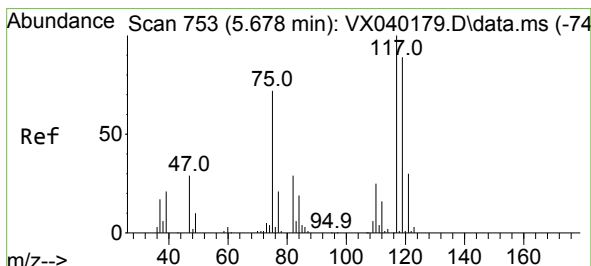
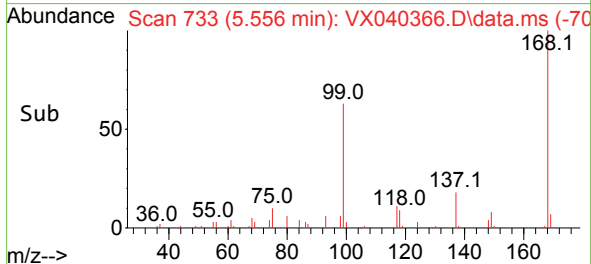
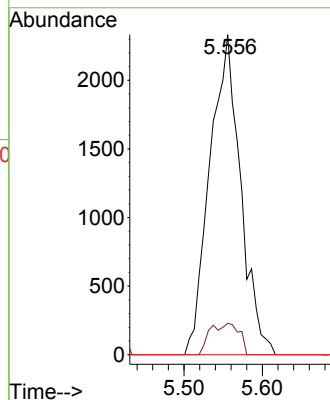
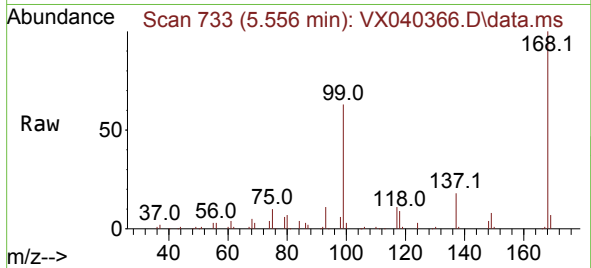




#36
1,1-Dichloropropene
Concen: 5.318 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

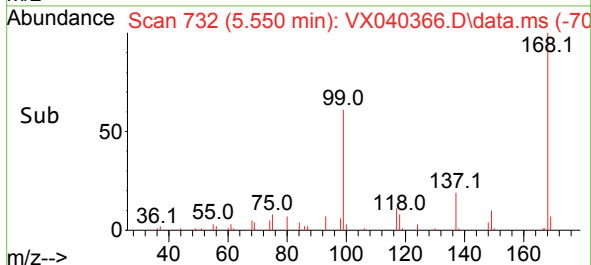
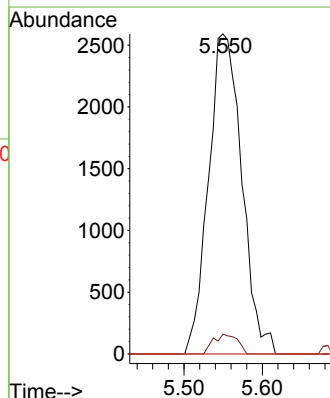
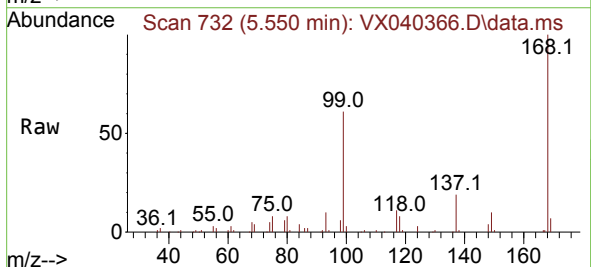
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

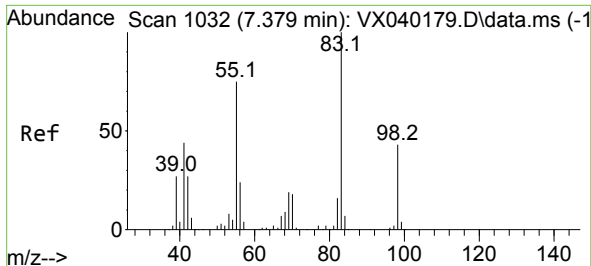
Tgt Ion: 75 Resp: 6374
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.716 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion: 117 Resp: 7653
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#

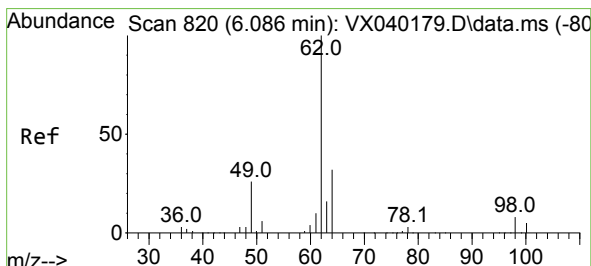
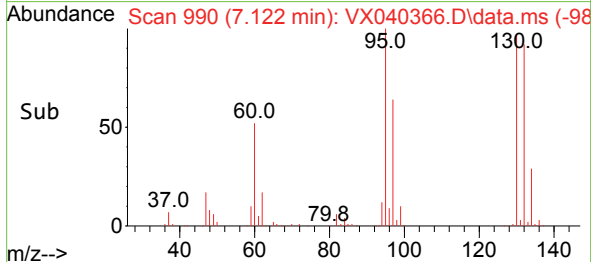
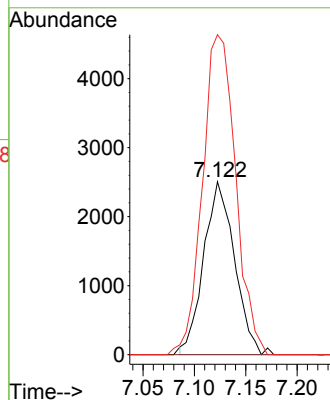
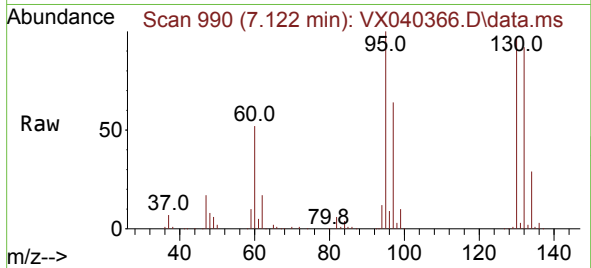




#39
Methylcyclohexane
Concen: 3.753 ug/l
RT: 7.122 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

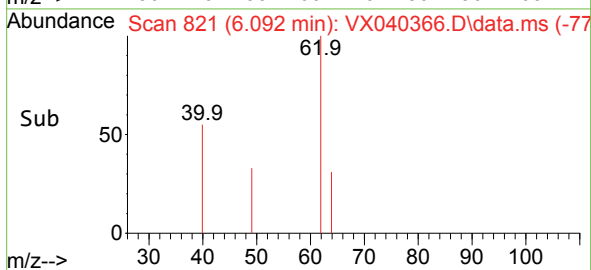
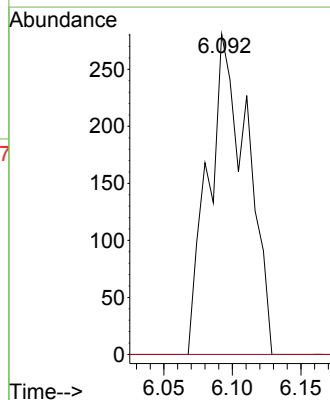
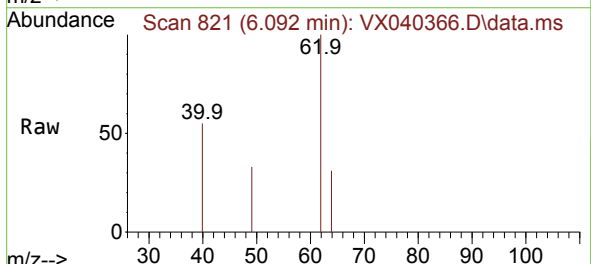
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

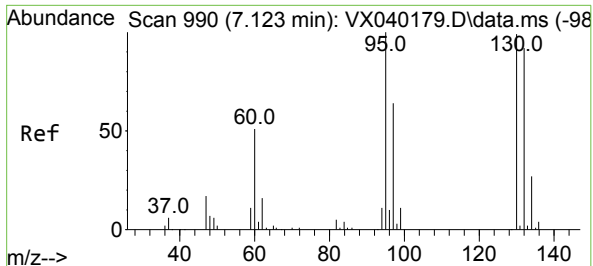
Tgt Ion: 83 Resp: 5227
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 185.0 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.426 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion: 62 Resp: 558
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

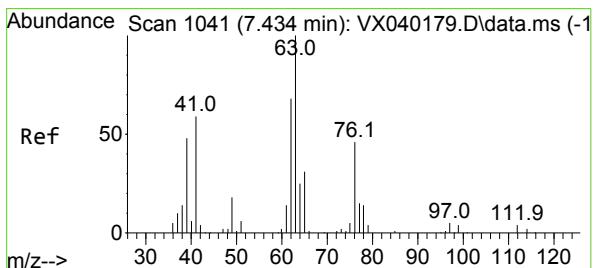
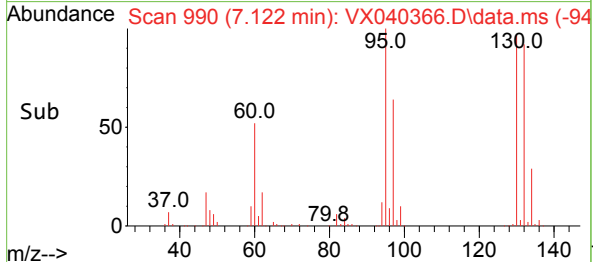
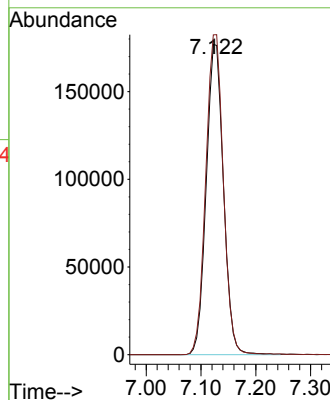
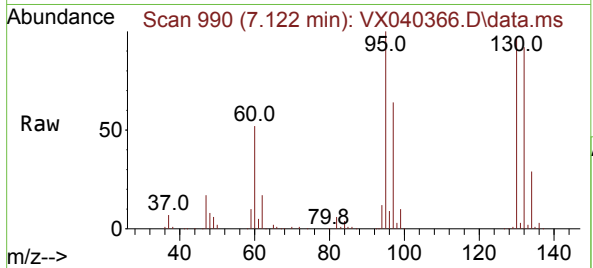




#44
Trichloroethene
Concen: 416.935 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

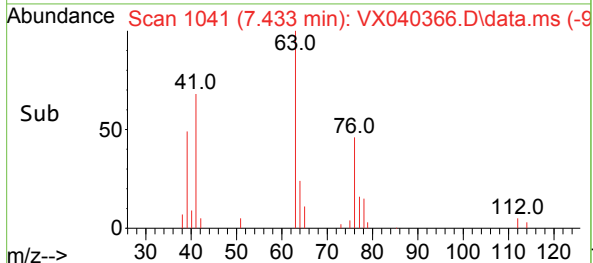
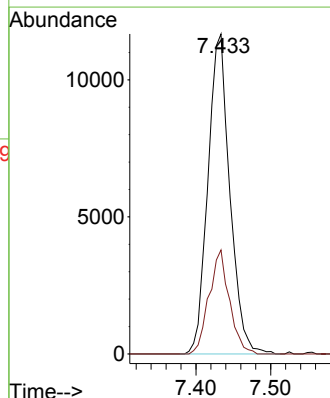
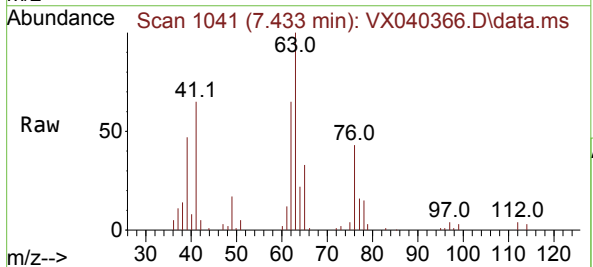
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

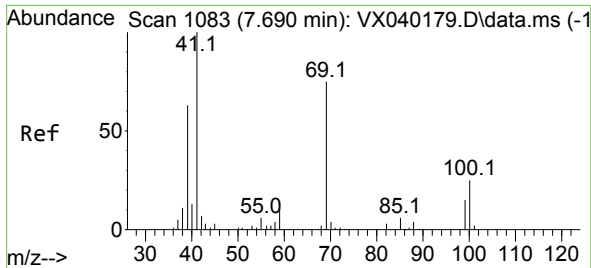
Tgt Ion:130 Resp: 385474
Ion Ratio Lower Upper
130 100
95 103.1 0.0 204.4



#45
1,2-Dichloropropane
Concen: 27.223 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion: 63 Resp: 23749
Ion Ratio Lower Upper
63 100
65 32.5 24.3 36.5

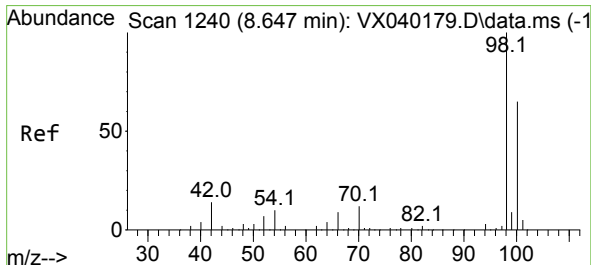
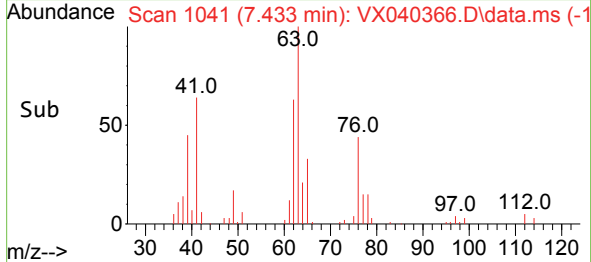
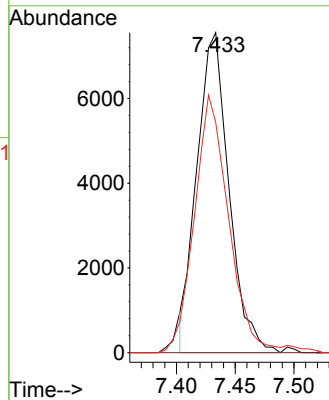
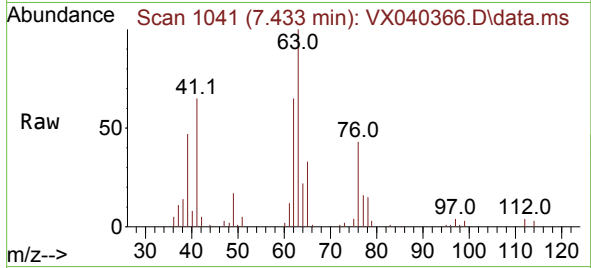




#48
Methyl methacrylate
Concen: 13.425 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. -0.262 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

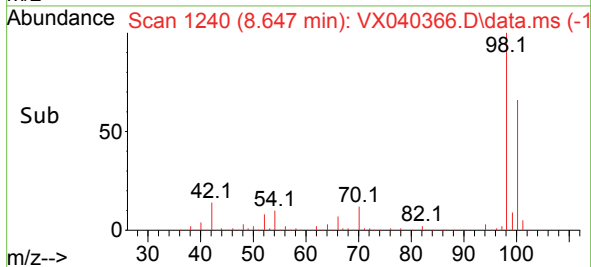
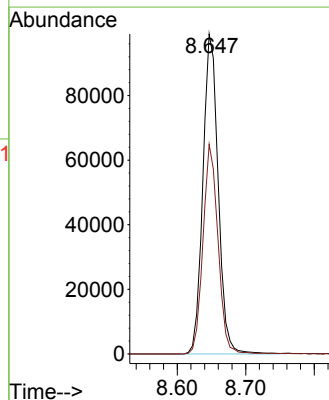
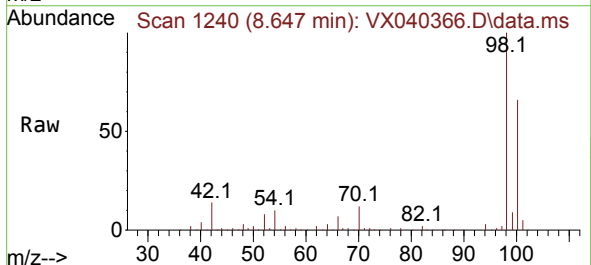
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

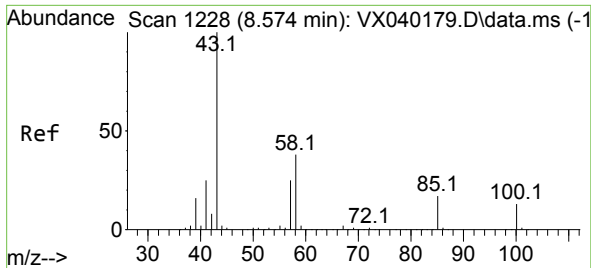
Tgt Ion: 41 Resp: 14301
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 78.6 47.7 71.5#



#50
Toluene-d8
Concen: 48.119 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion: 98 Resp: 154008
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

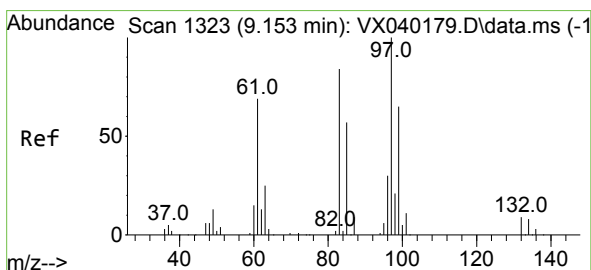
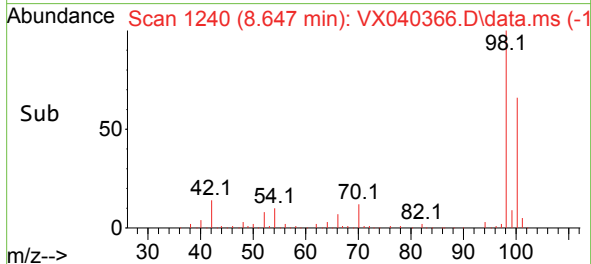
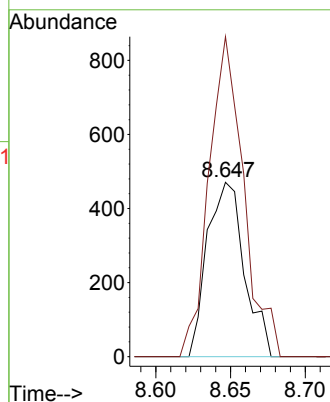
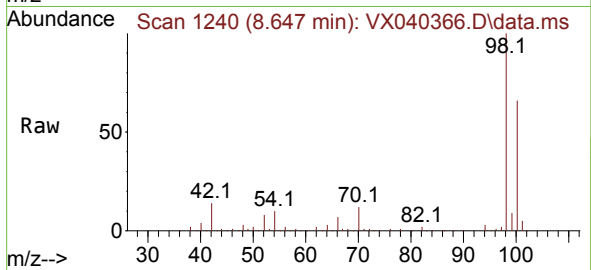




#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

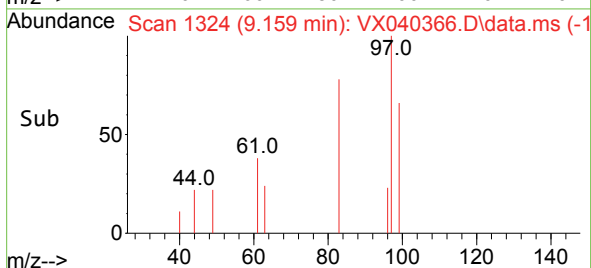
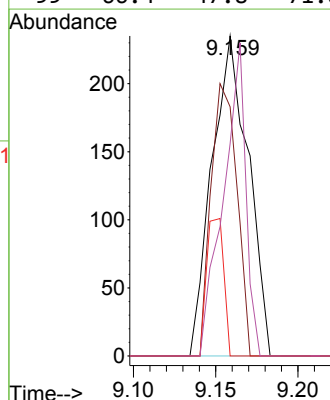
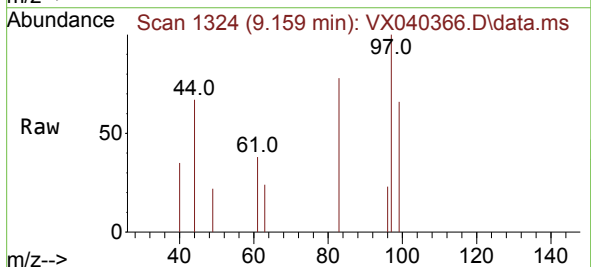
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

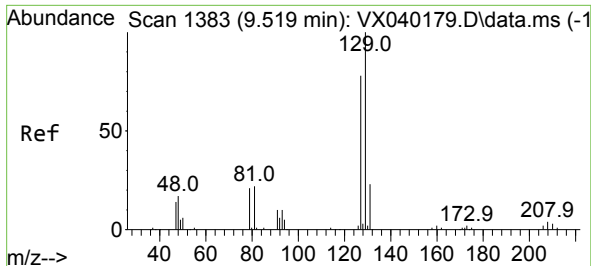
Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
58 171.3 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.386 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion: 97 Resp: 361
Ion Ratio Lower Upper
97 100
83 77.9 65.8 98.8
85 0.0 41.6 62.4#
99 66.4 47.8 71.8

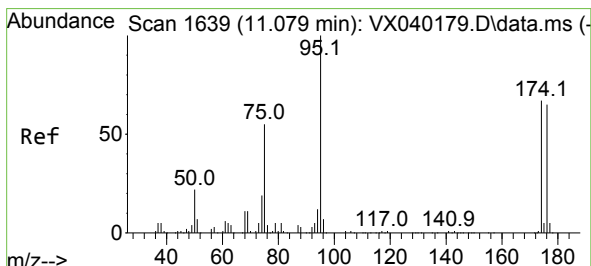
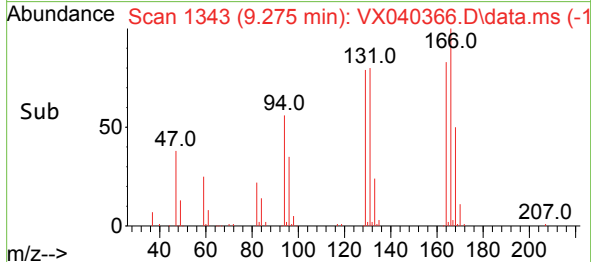
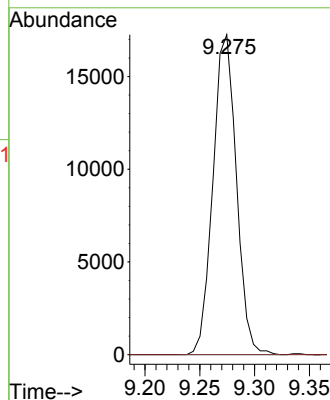
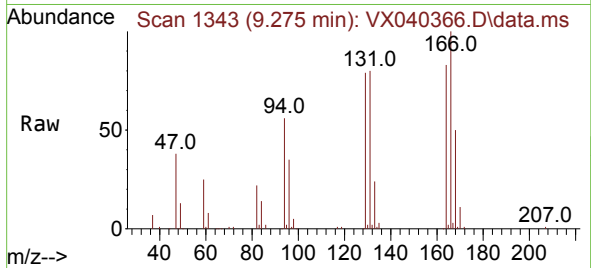




#60
Dibromochloromethane
Concen: 26.933 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

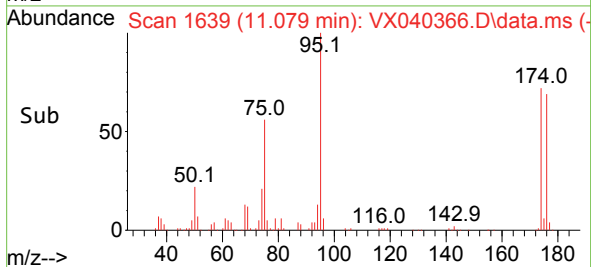
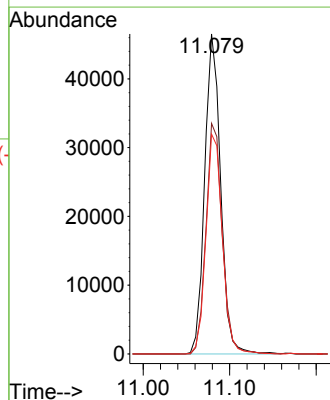
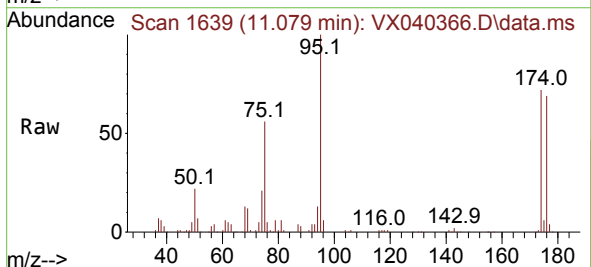
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

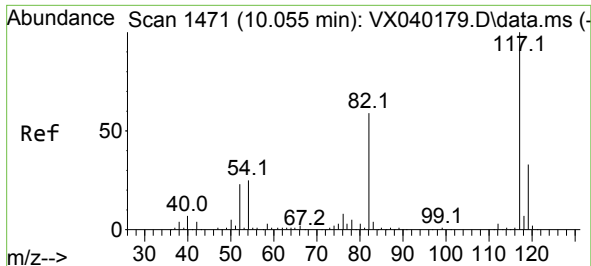
Tgt Ion:129 Resp: 25694
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.536 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion: 95 Resp: 59439
Ion Ratio Lower Upper
95 100
174 73.9 0.0 135.6
176 70.8 0.0 131.0

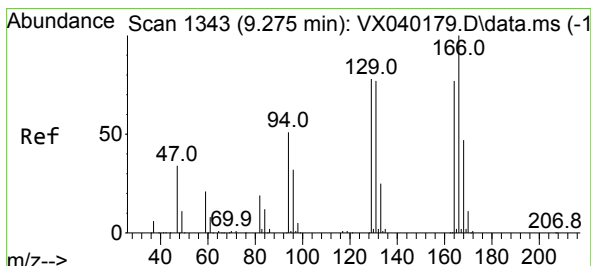
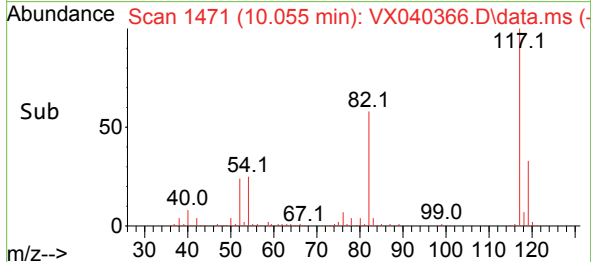
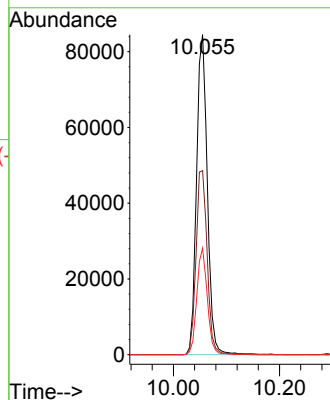
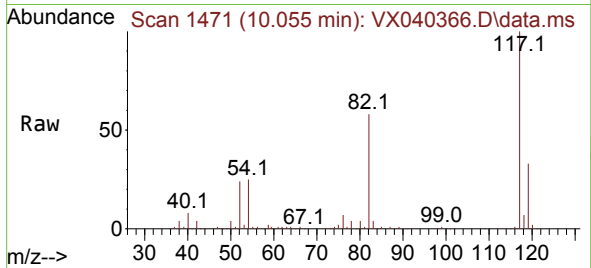




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

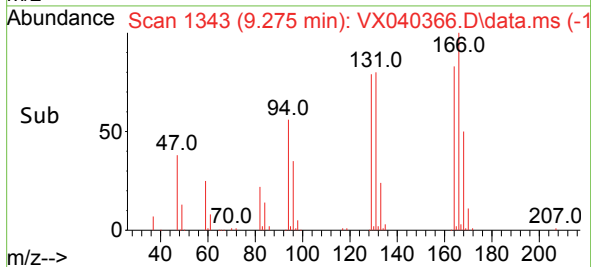
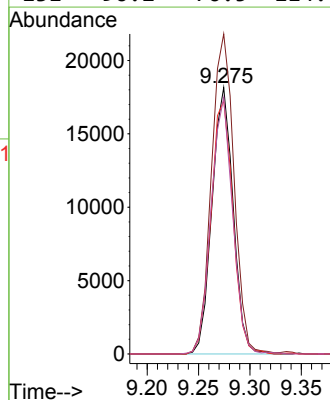
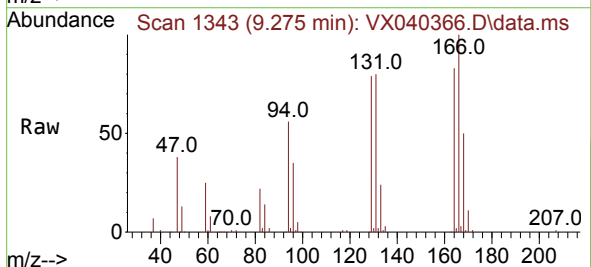
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215

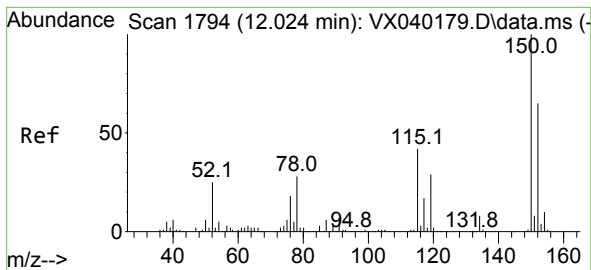
Tgt Ion:117 Resp: 119489
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 33.3 25.5 38.3



#64
Tetrachloroethene
Concen: 30.918 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040366.D
Acq: 20 Feb 2024 18:50

Tgt Ion:164 Resp: 25889
Ion Ratio Lower Upper
164 100
166 120.1 102.7 154.1
129 95.1 80.4 120.6
131 96.2 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: VX040366.D

Acq: 20 Feb 2024 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW17811-20240215

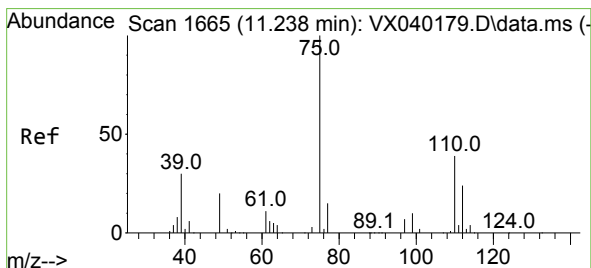
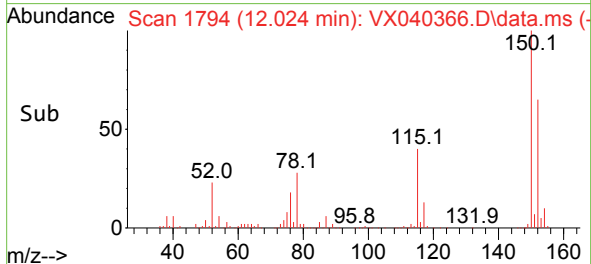
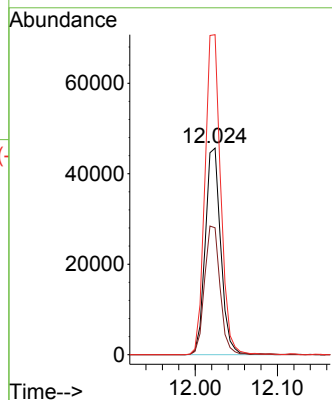
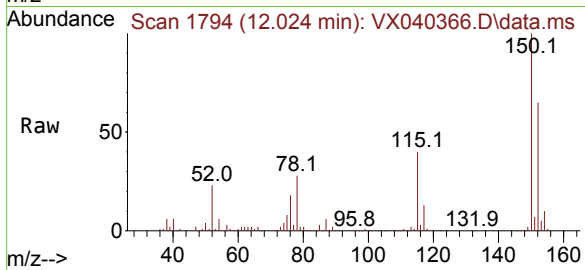
Tgt Ion:152 Resp: 59889

Ion Ratio Lower Upper

152 100

115 62.3 43.3 129.9

150 157.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 2.944 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX040366.D

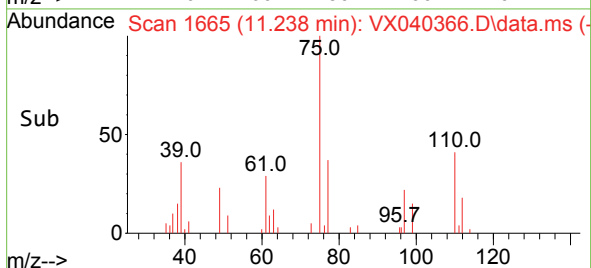
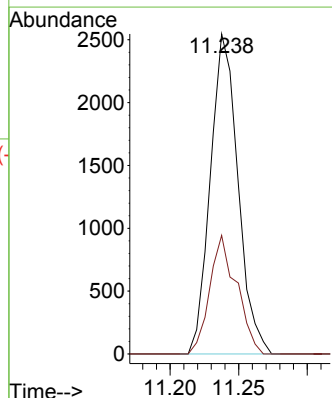
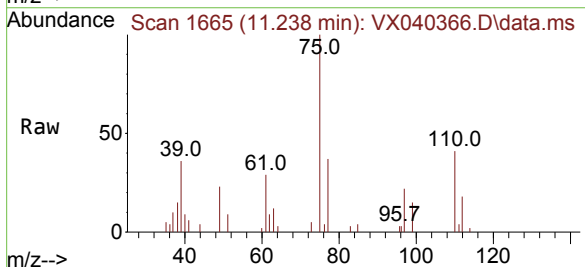
Acq: 20 Feb 2024 18:50

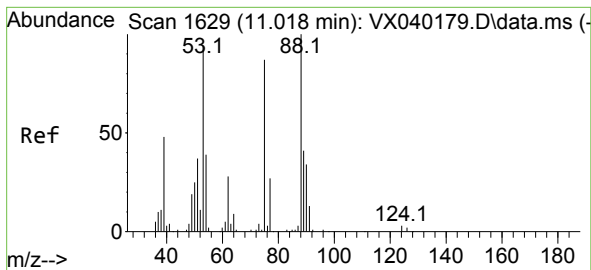
Tgt Ion: 75 Resp: 3571

Ion Ratio Lower Upper

75 100

77 36.1 19.1 57.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.270 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040366.D
 Acq: 20 Feb 2024 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I1-20240215

Tgt Ion: 75 Resp: 32412
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

