

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022124\
 Data File : VX040375.D
 Acq On : 21 Feb 2024 12:48
 Operator : JC/MD
 Sample : P1520-05DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20240215DL

Quant Time: Feb 22 01:06:27 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)

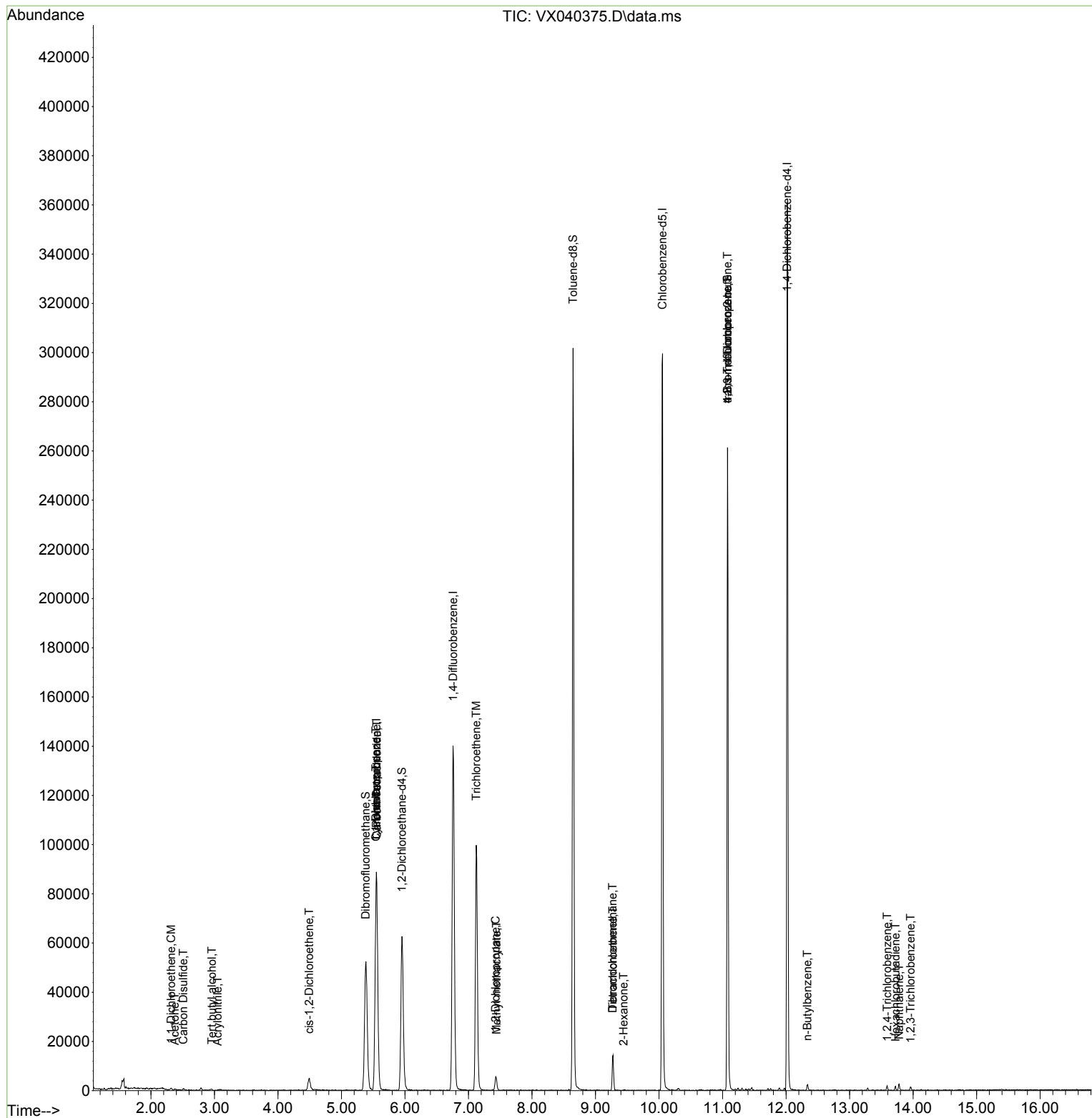
Internal Standards						
1) Pentafluorobenzene	5.550	168	79776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139857	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60079	50.621	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.240%			
35) Dibromofluoromethane	5.379	113	46144	47.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.500%			
50) Toluene-d8	8.647	98	172542	47.227	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.460%			
62) 4-Bromofluorobenzene	11.079	95	66645	44.727	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.460%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	381	1.648	ug/l #	78
12) 1,1-Dichloroethene	2.318	96	166	0.204	ug/l #	1
15) Acrylonitrile	3.050	53	113	0.218	ug/l #	51
16) Acetone	2.373	43	432	0.886	ug/l	95
17) Carbon Disulfide	2.507	76	659	0.306	ug/l #	76
20) Methylene Chloride	2.794	84	418	Below Cal	#	45
27) cis-1,2-Dichloroethene	4.489	96	2878	2.720	ug/l	90
31) Cyclohexane	5.544	56	2091	1.477	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	7111	5.197	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8488	6.525	ug/l #	16
44) Trichloroethene	7.122	130	36658	34.735	ug/l	96
45) 1,2-Dichloropropane	7.427	63	2266	2.275	ug/l #	81
48) Methyl methacrylate	7.440	41	1337	1.100	ug/l #	29
59) 2-Hexanone	9.439	43	279	0.217	ug/l #	26
60) Dibromochloromethane	9.268	129	2626	2.411	ug/l #	11
64) Tetrachloroethene	9.275	164	2523	2.685	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	36523	26.214	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36523	71.935	ug/l #	5
89) n-Butylbenzene	12.335	91	1052	0.259	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	542	0.361	ug/l	86
94) Hexachlorobutadiene	13.725	225	271	0.452	ug/l	80
95) Naphthalene	13.780	128	2086	0.439	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	483	0.337	ug/l	93

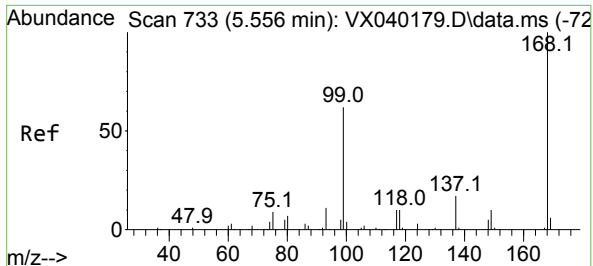
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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MW17811-20240215DL

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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

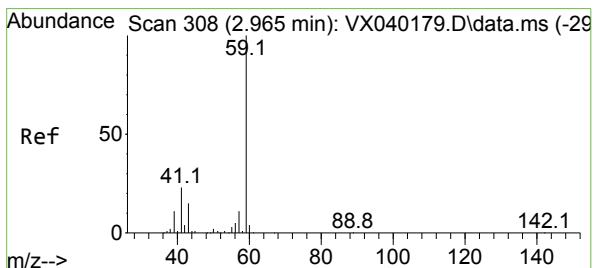
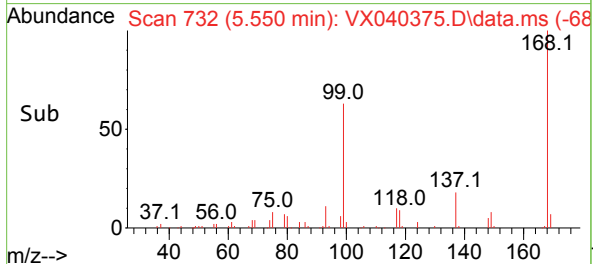
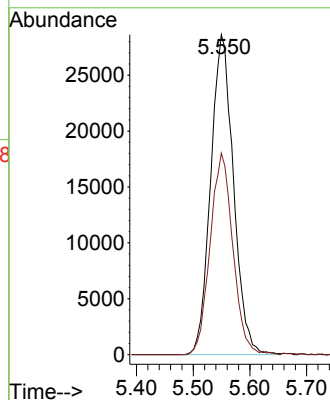
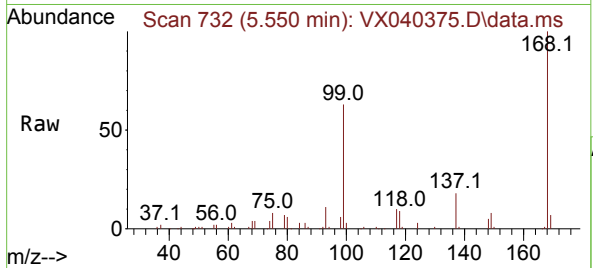




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

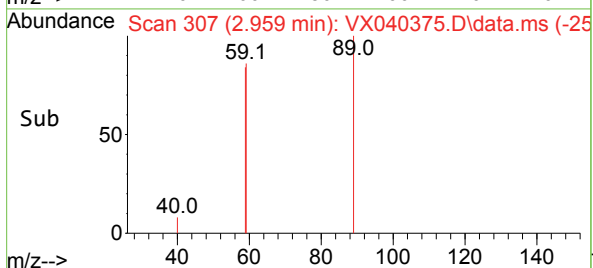
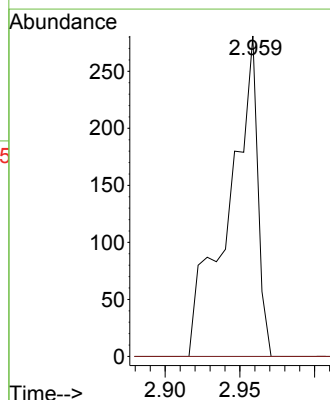
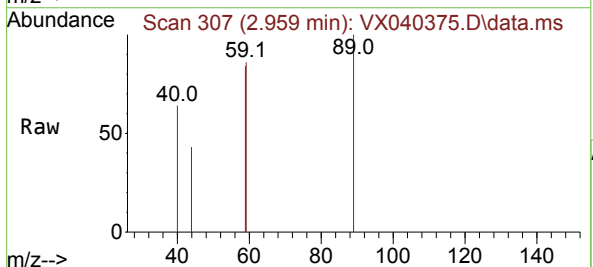
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215DL

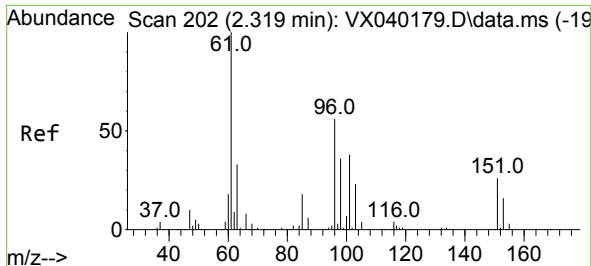
Tgt Ion:168 Resp: 79776
Ion Ratio Lower Upper
168 100
99 63.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.648 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 59 Resp: 381
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.204 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX040375.D

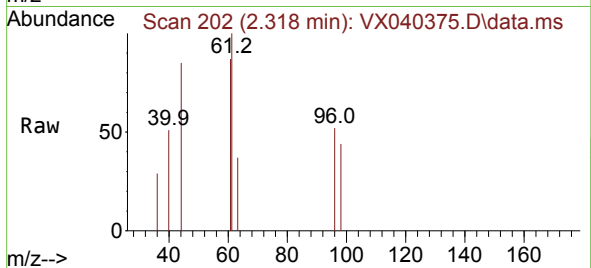
Acq: 21 Feb 2024 12:48

Instrument :

MSVOA_X

ClientSampleId :

MW17811-20240215DL



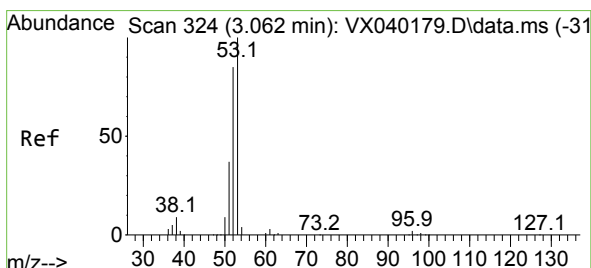
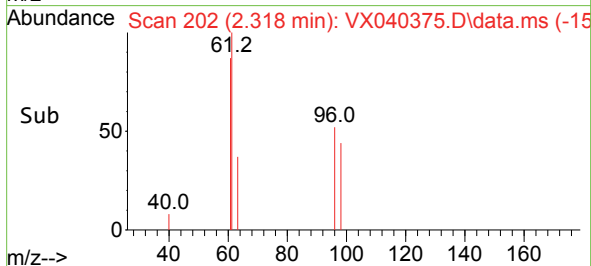
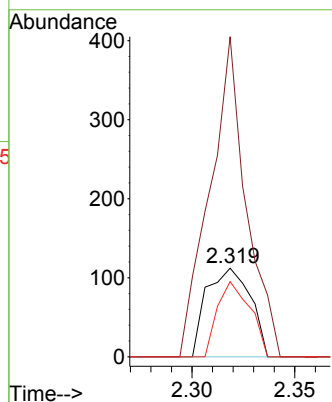
Tgt Ion: 96 Resp: 166

Ion Ratio Lower Upper

96 100

61 361.6 144.6 216.8#

98 84.8 50.4 75.6#



#15

Acrylonitrile

Concen: 0.218 ug/l

RT: 3.050 min Scan# 322

Delta R.T. -0.012 min

Lab File: VX040375.D

Acq: 21 Feb 2024 12:48

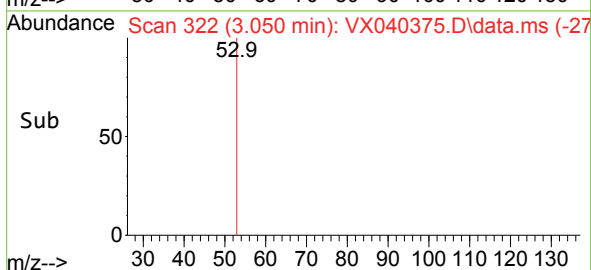
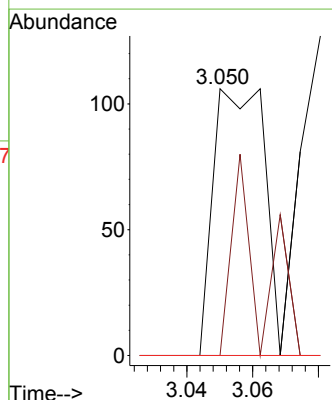
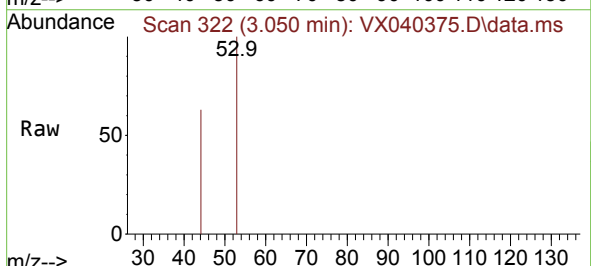
Tgt Ion: 53 Resp: 113

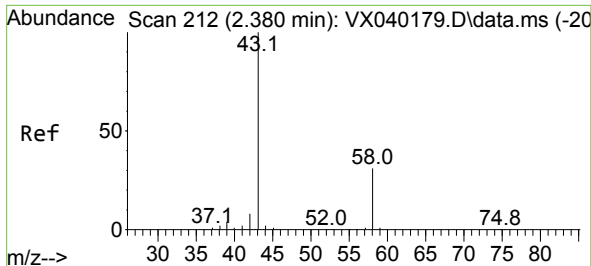
Ion Ratio Lower Upper

53 100

52 44.2 66.0 99.0#

51 0.0 29.8 44.6#

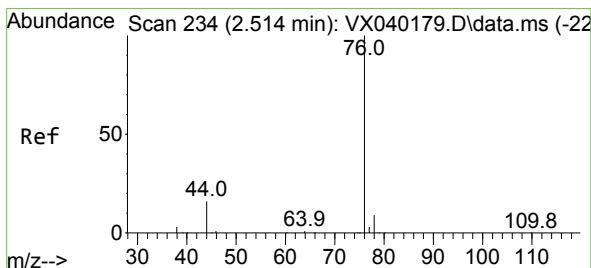
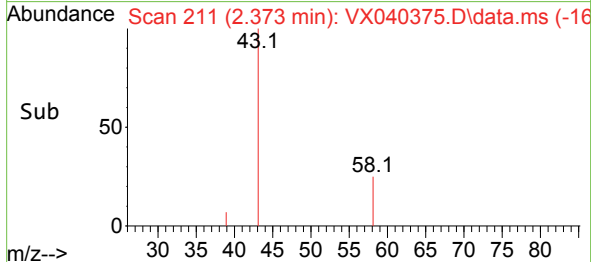
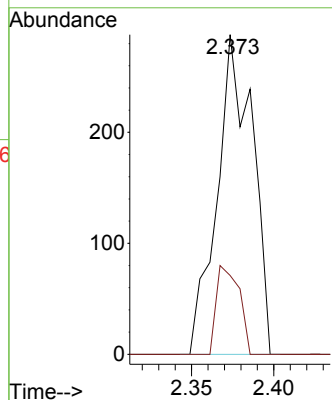
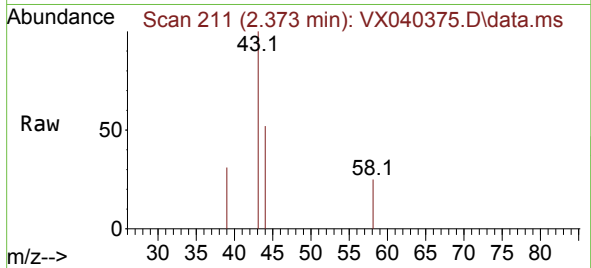




#16
Acetone
Concen: 0.886 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

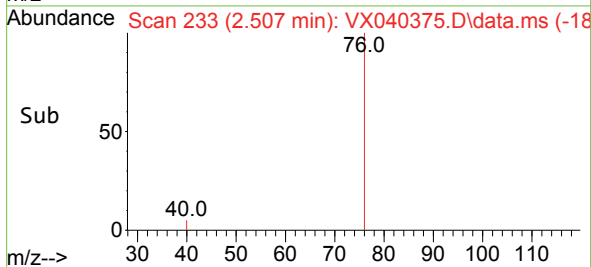
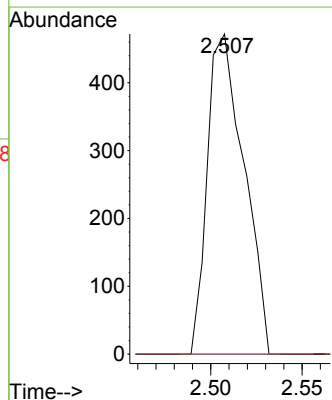
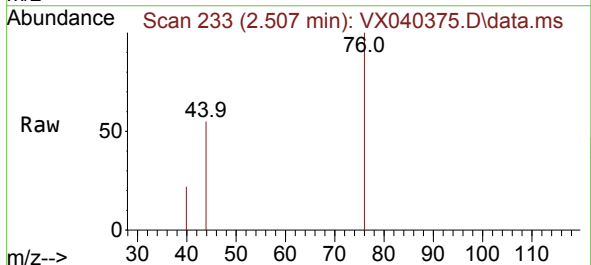
Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20240215DL

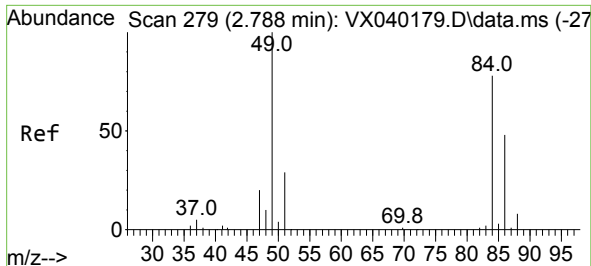
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 24.7 21.9 32.9



#17
Carbon Disulfide
Concen: 0.306 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 76 Resp: 659
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

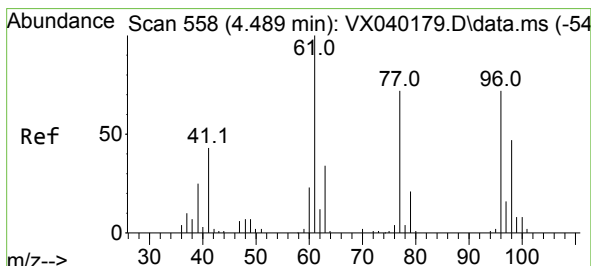
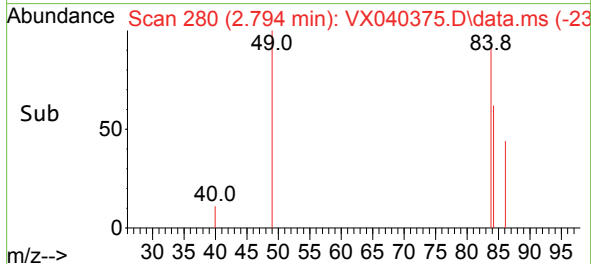
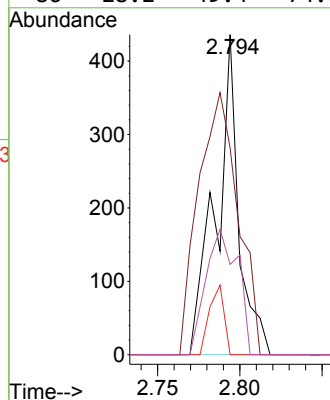
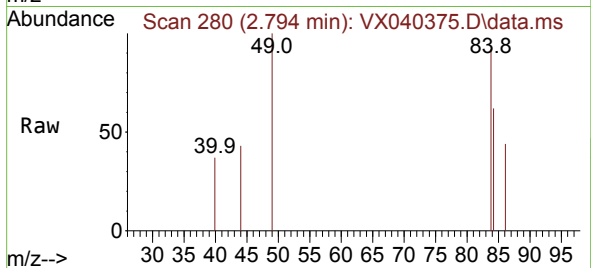




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

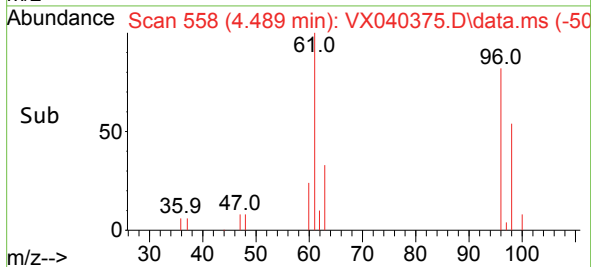
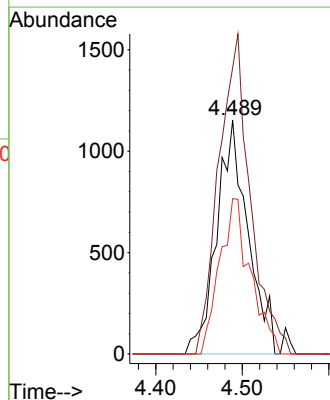
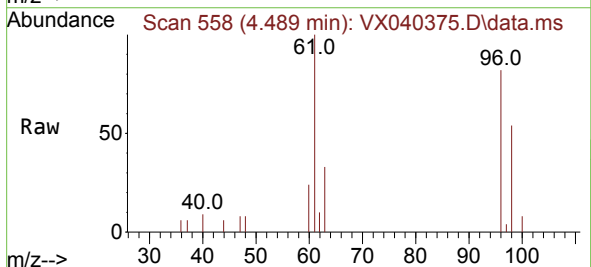
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215DL

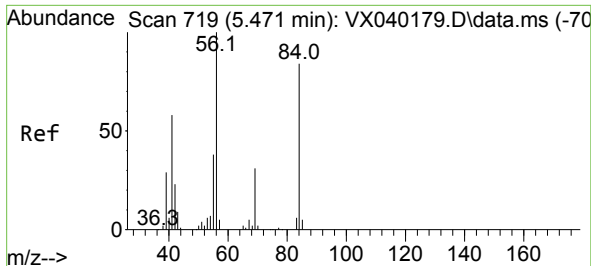
Tgt Ion: 84 Resp: 418
Ion Ratio Lower Upper
84 100
49 64.7 103.6 155.4#
51 0.0 33.8 50.6#
86 28.2 49.4 74.0#



#27
cis-1,2-Dichloroethene
Concen: 2.720 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

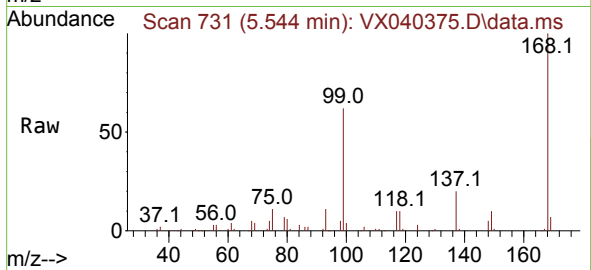
Tgt Ion: 96 Resp: 2878
Ion Ratio Lower Upper
96 100
61 139.0 0.0 312.2
98 65.9 0.0 129.0



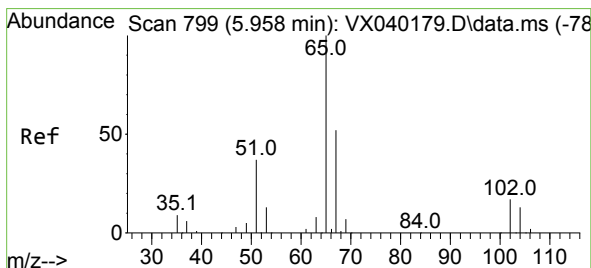
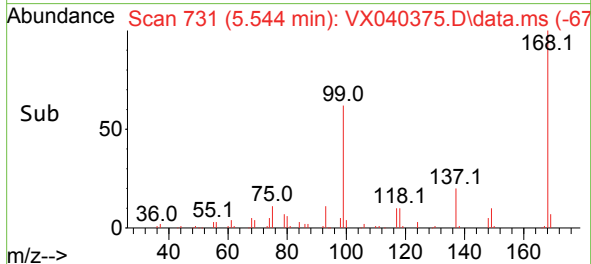
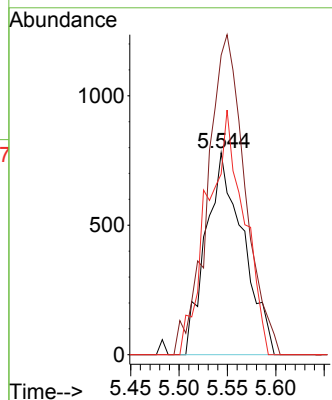


#31
Cyclohexane
Concen: 1.477 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215DL

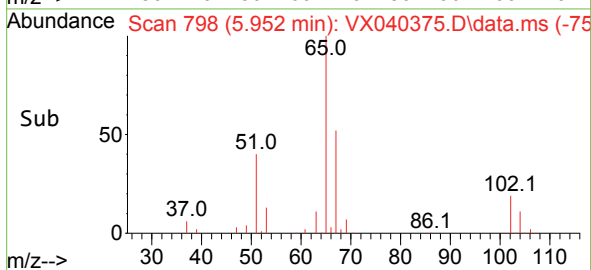
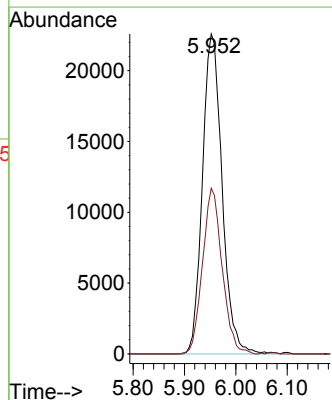
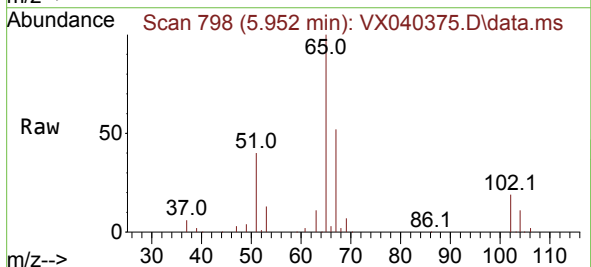


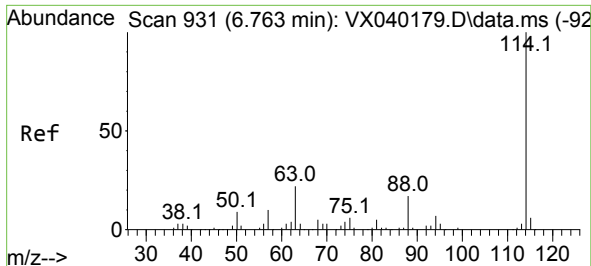
Tgt Ion: 56 Resp: 2091
Ion Ratio Lower Upper
56 100
69 148.3 23.4 35.2#
84 89.5 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 50.621 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 65 Resp: 60079
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

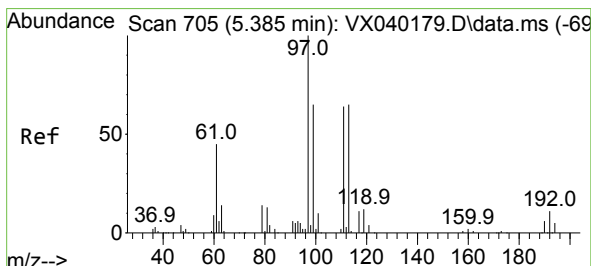
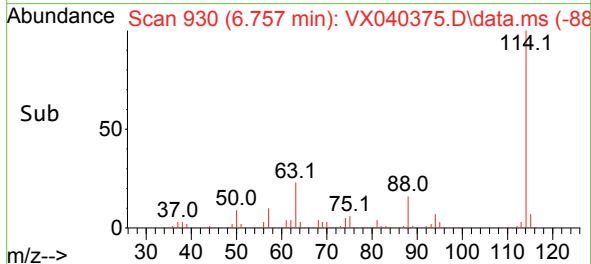
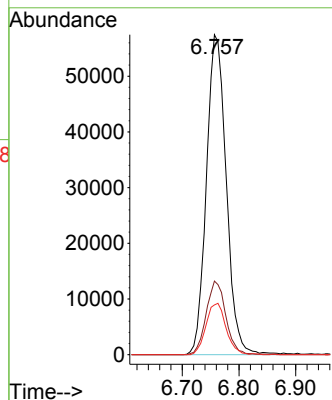
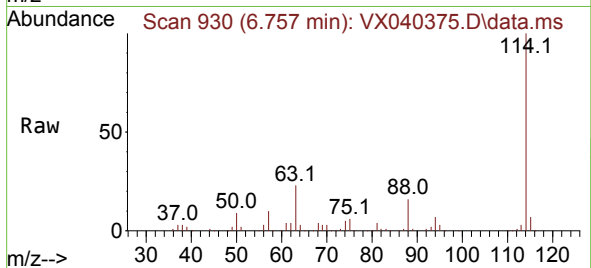




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

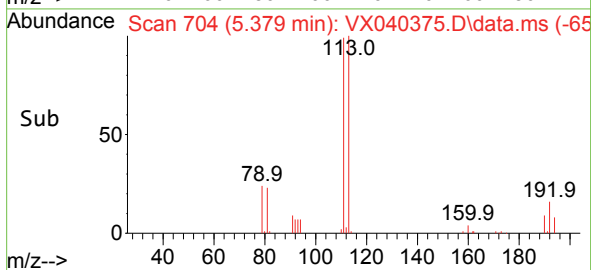
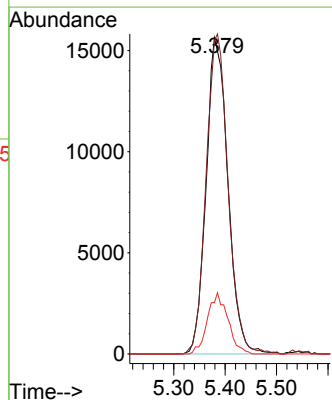
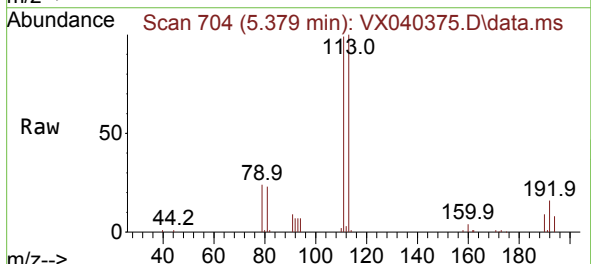
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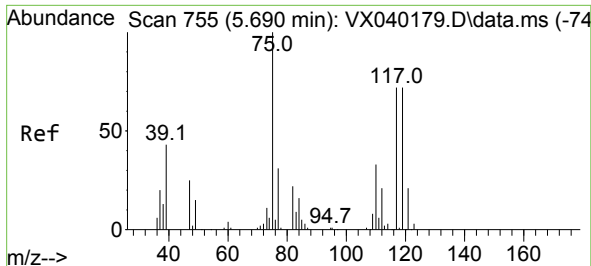
Tgt Ion:114 Resp: 139857
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.246 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion:113 Resp: 46144
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.1 13.3 19.9

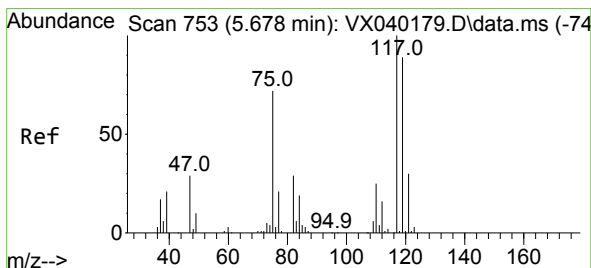
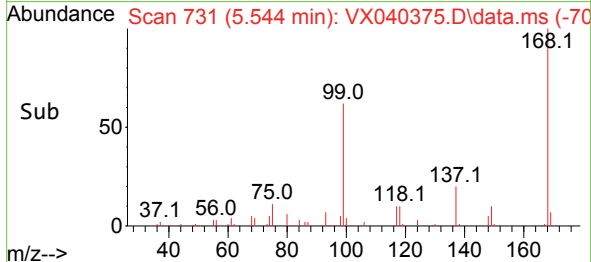
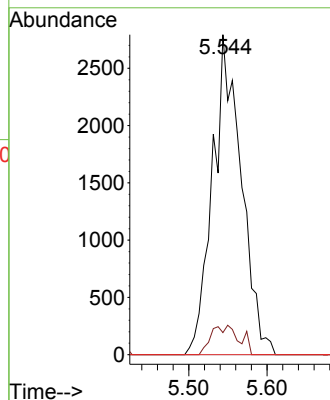
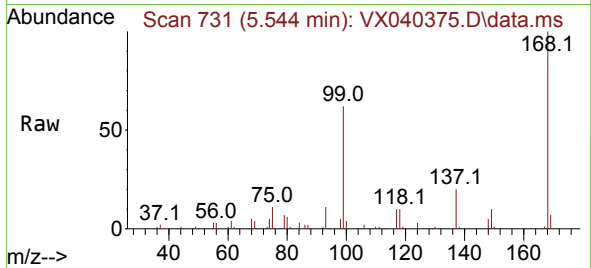




#36
1,1-Dichloropropene
Concen: 5.197 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

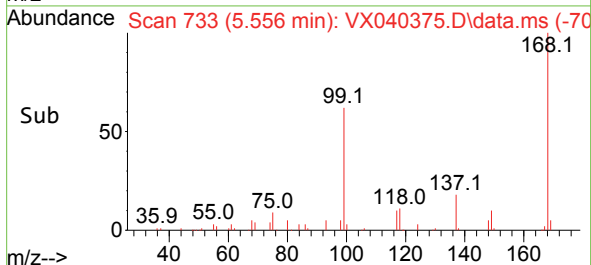
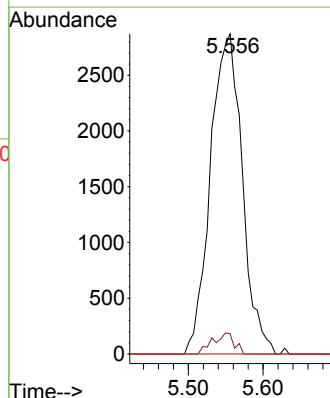
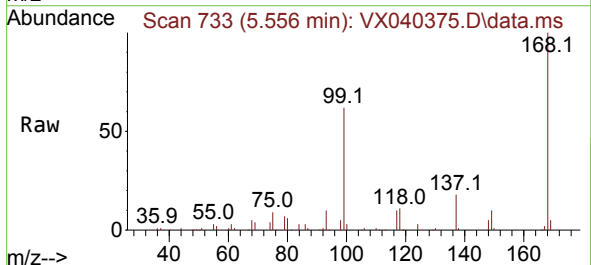
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215DL

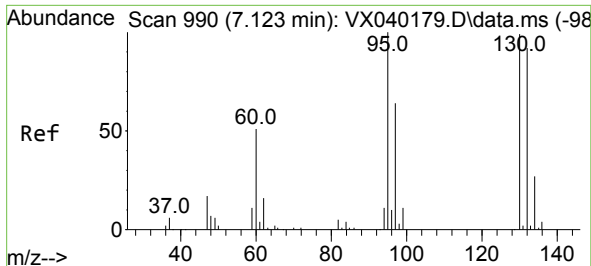
Tgt Ion: 75 Resp: 7111
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.525 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 117 Resp: 8488
Ion Ratio Lower Upper
117 100
119 6.3 78.2 117.2#
121 0.0 24.4 36.6#

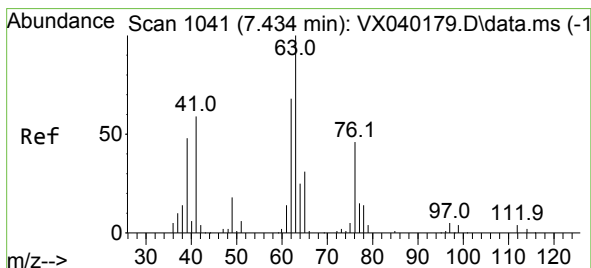
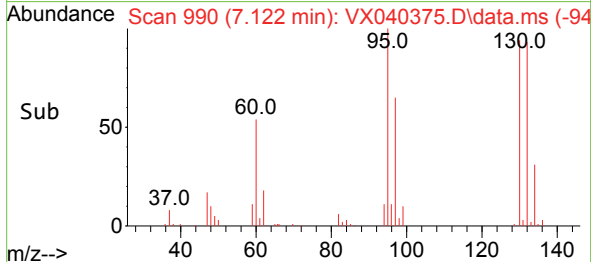
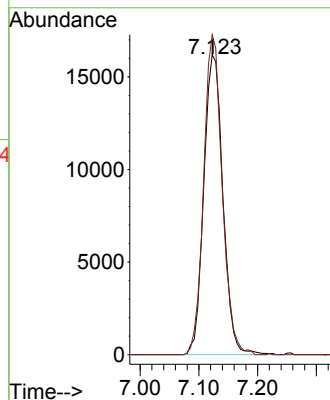
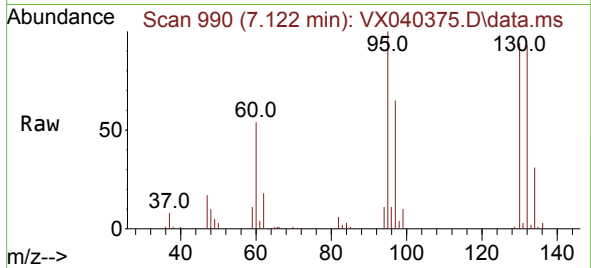




#44
Trichloroethene
Concen: 34.735 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

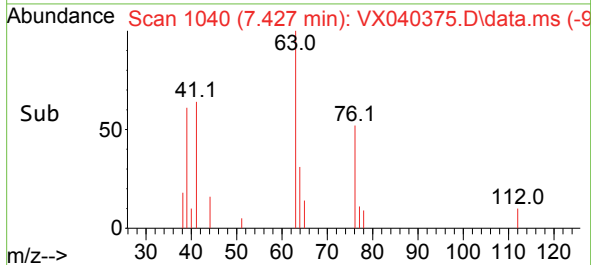
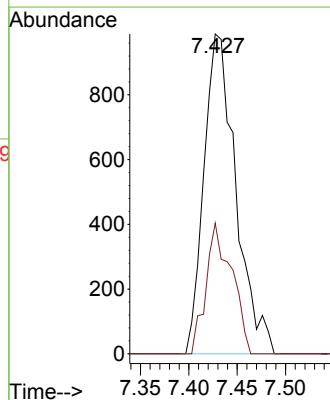
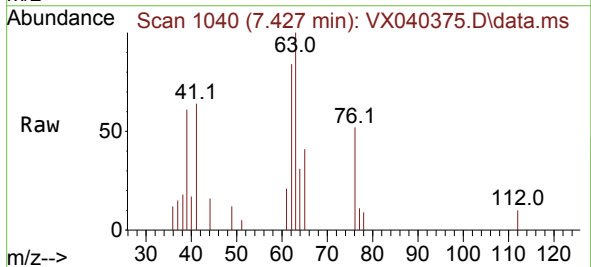
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215DL

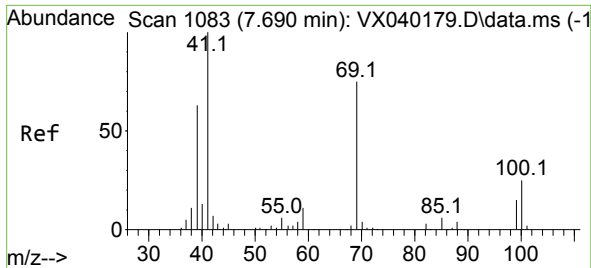
Tgt Ion:130 Resp: 36658
Ion Ratio Lower Upper
130 100
95 106.6 0.0 204.4



#45
1,2-Dichloropropane
Concen: 2.275 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 63 Resp: 2266
Ion Ratio Lower Upper
63 100
65 40.9 24.3 36.5#

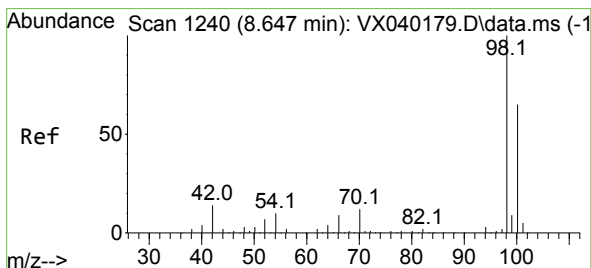
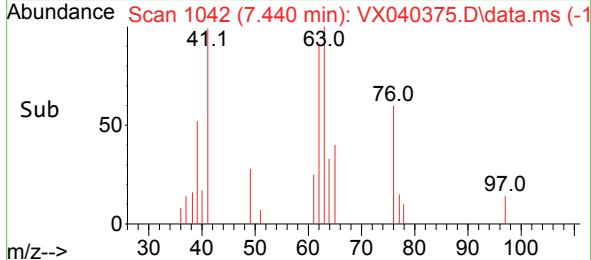
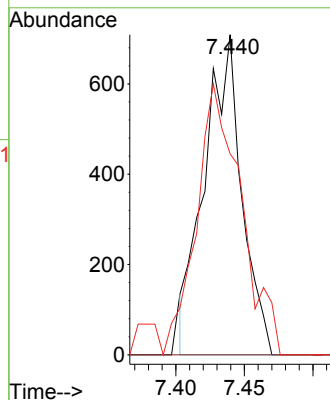
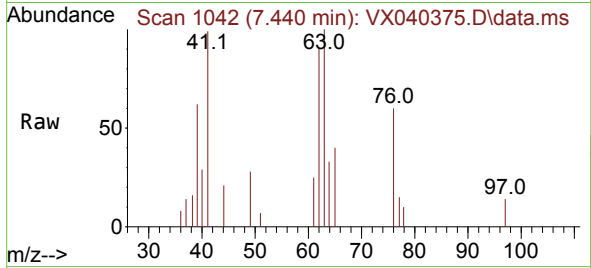




#48
Methyl methacrylate
Concen: 1.100 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. -0.256 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

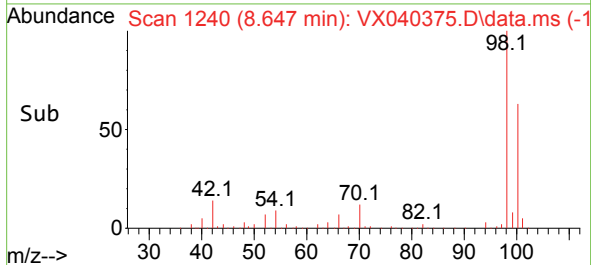
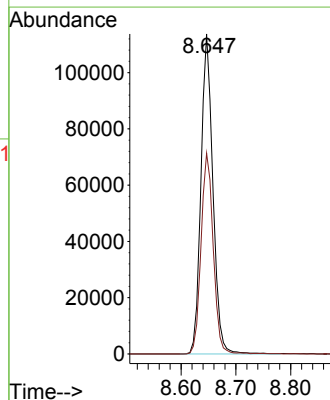
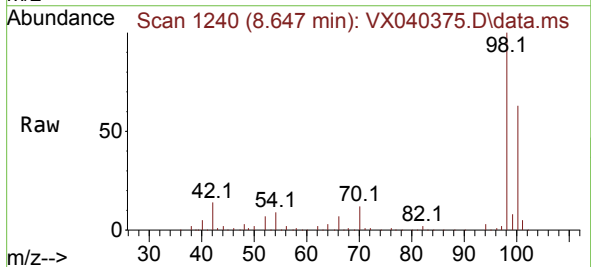
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215DL

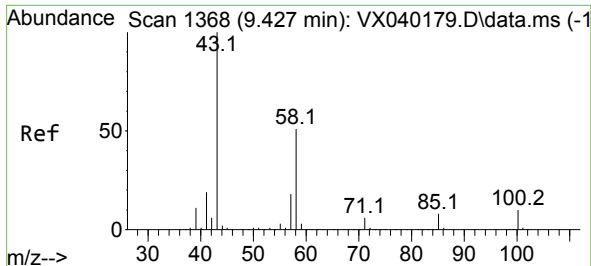
Tgt Ion: 41 Resp: 1337
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 97.2 47.7 71.5#



#50
Toluene-d8
Concen: 47.227 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 98 Resp: 172542
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

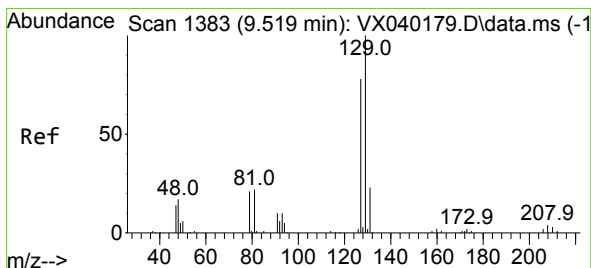
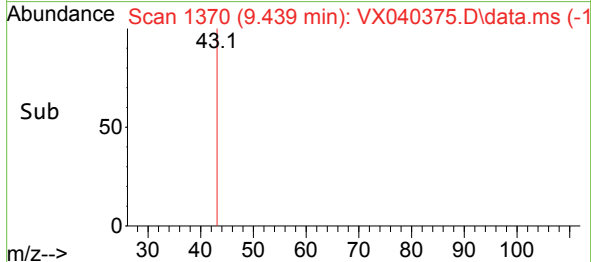
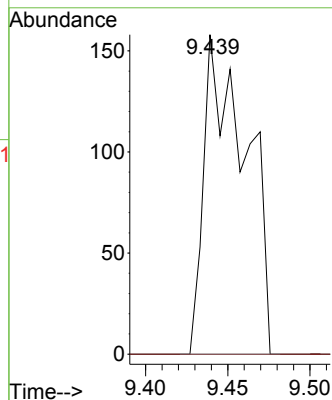
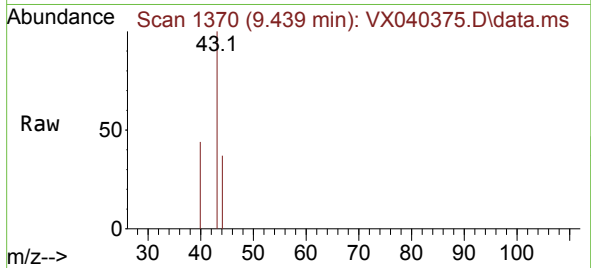




#59
2-Hexanone
Concen: 0.217 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

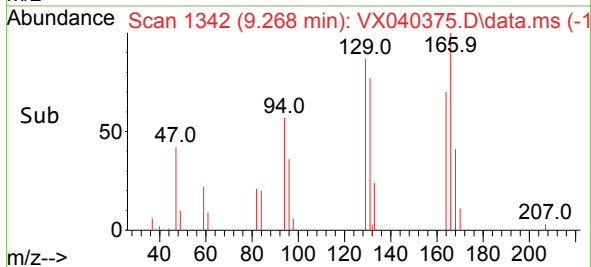
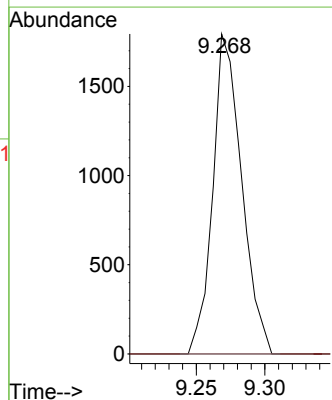
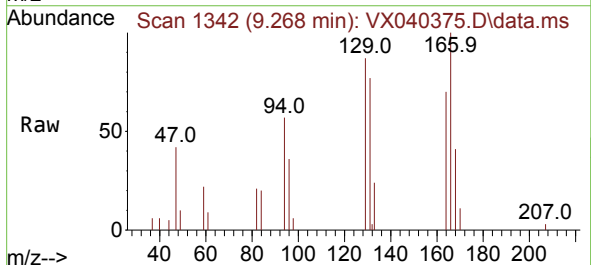
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215DL

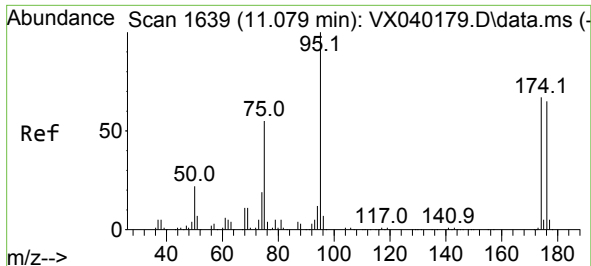
Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#60
Dibromochloromethane
Concen: 2.411 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 129 Resp: 2626
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

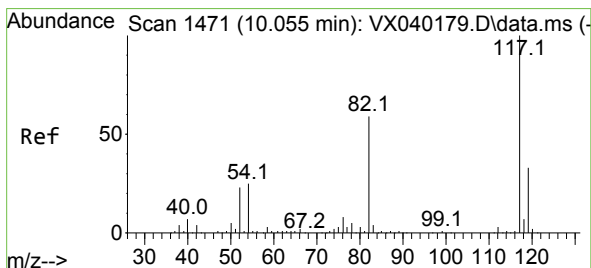
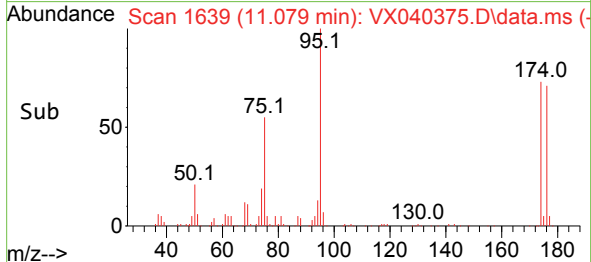
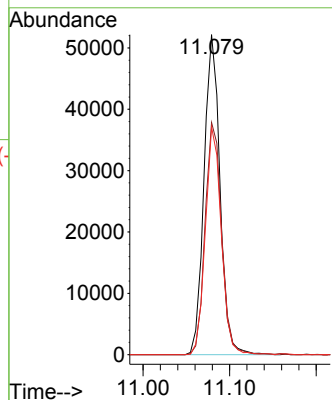
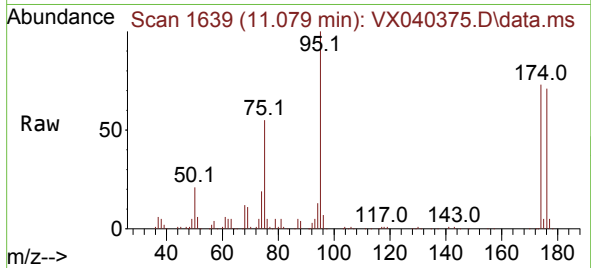




#62
4-Bromofluorobenzene
Concen: 44.727 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

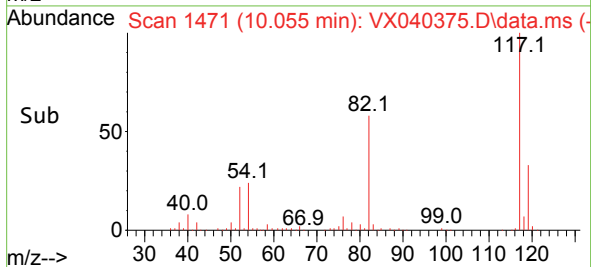
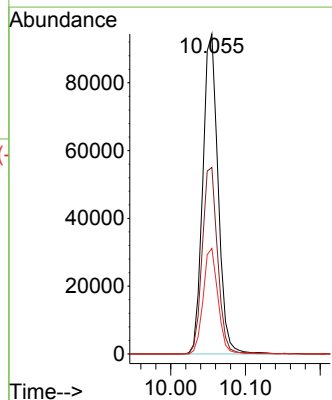
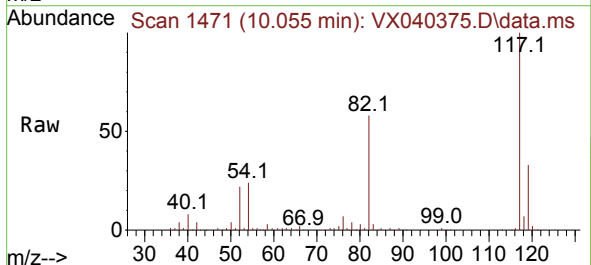
Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20240215DL

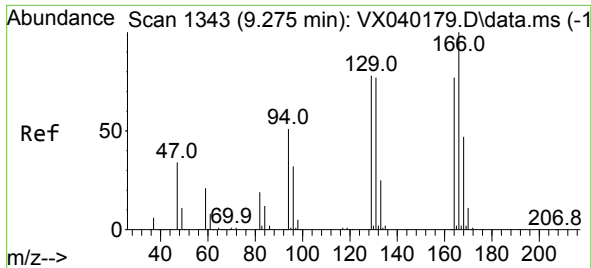
Tgt Ion: 95 Resp: 66645
Ion Ratio Lower Upper
95 100
174 75.3 0.0 135.6
176 71.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 117 Resp: 134075
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.4
119 33.0 25.5 38.3

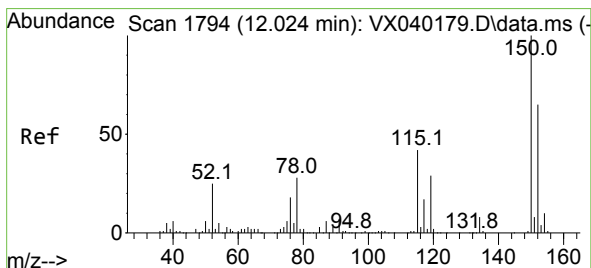
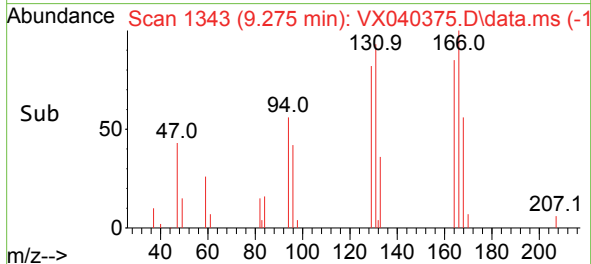
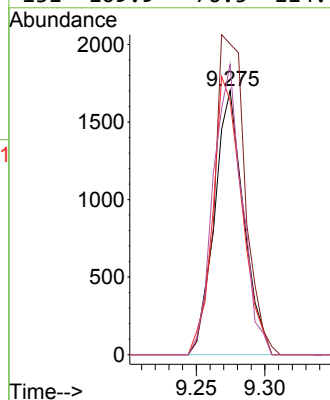
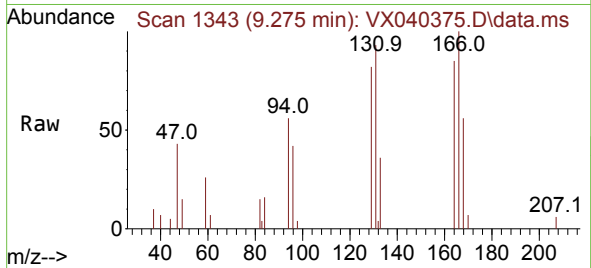




#64
Tetrachloroethene
Concen: 2.685 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

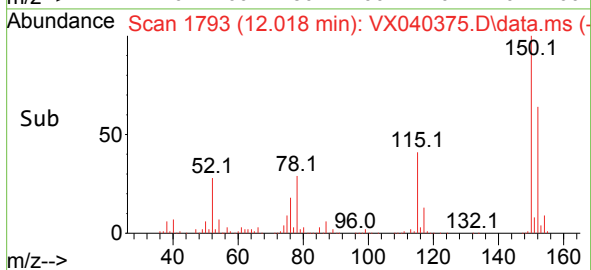
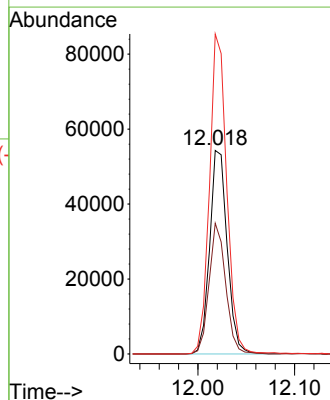
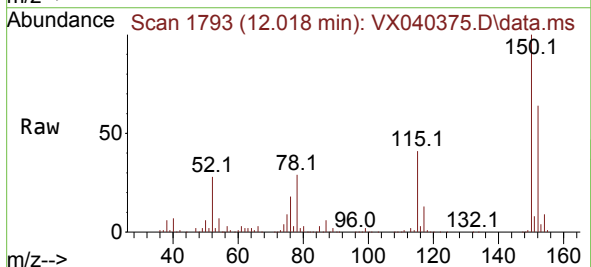
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20240215DL

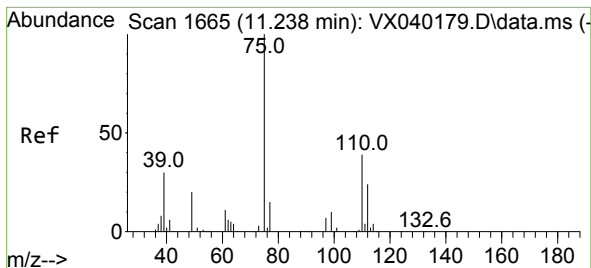
Tgt	Ion:164	Resp:	2523
Ion	Ratio	Lower	Upper
164	100		
166	117.6	102.7	154.1
129	96.2	80.4	120.6
131	109.9	76.5	114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt	Ion:152	Resp:	68802
Ion	Ratio	Lower	Upper
152	100		
115	60.7	43.3	129.9
150	155.0	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 26.214 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040375.D

Acq: 21 Feb 2024 12:48

Instrument :

MSVOA_X

ClientSampleId :

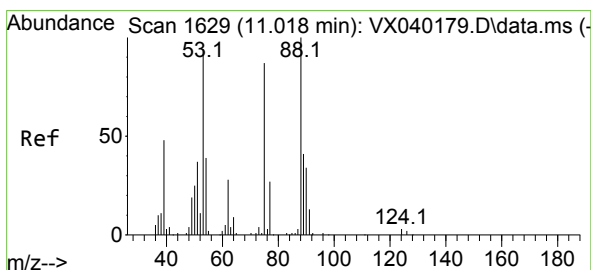
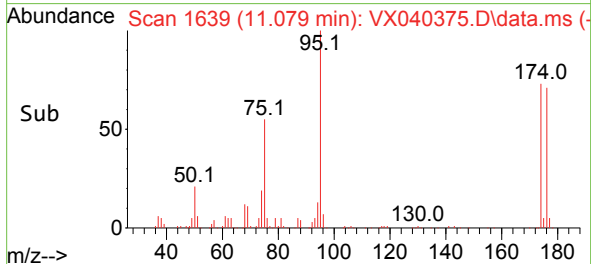
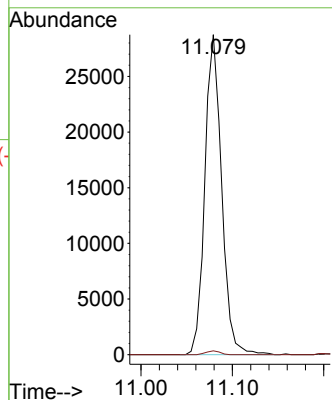
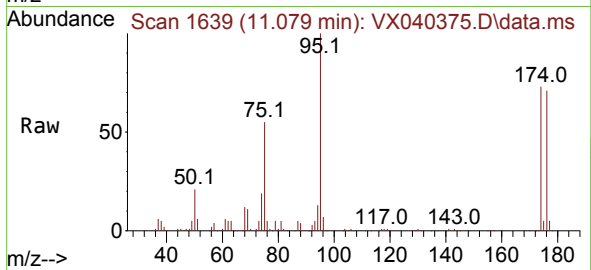
MW178I1-20240215DL

Tgt Ion: 75 Resp: 36523

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.935 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040375.D

Acq: 21 Feb 2024 12:48

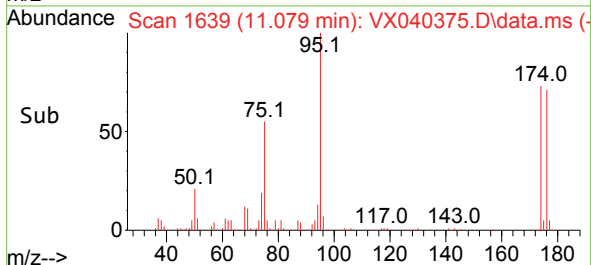
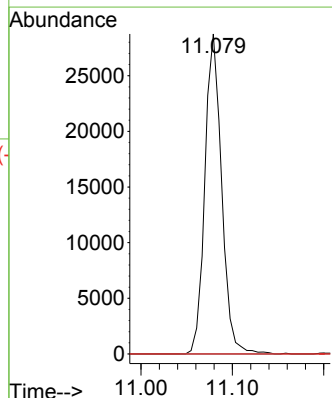
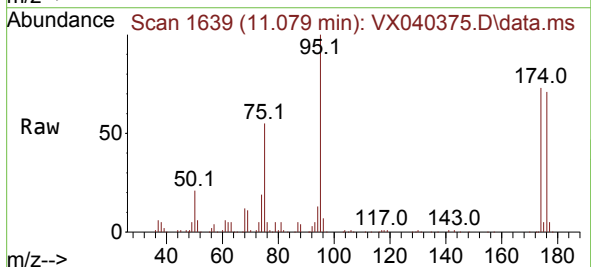
Tgt Ion: 75 Resp: 36523

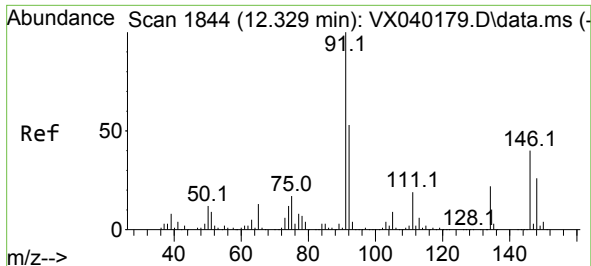
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

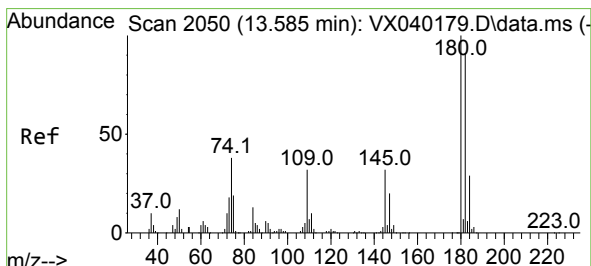
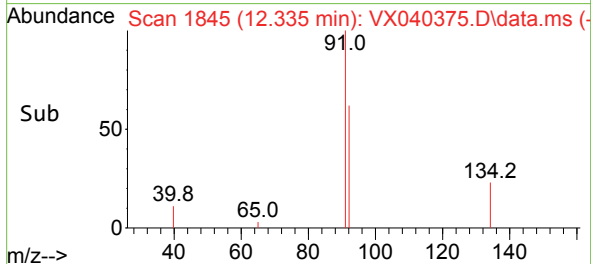
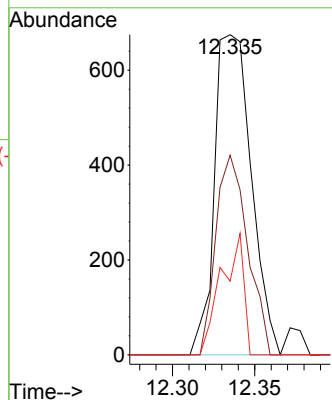
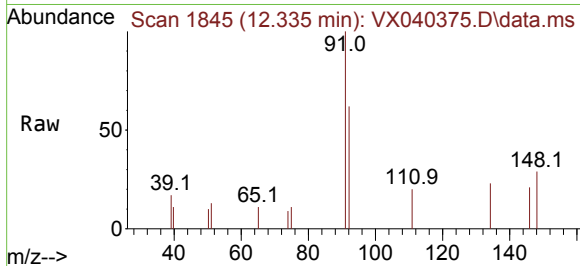




#89
n-Butylbenzene
Concen: 0.259 ug/l
RT: 12.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

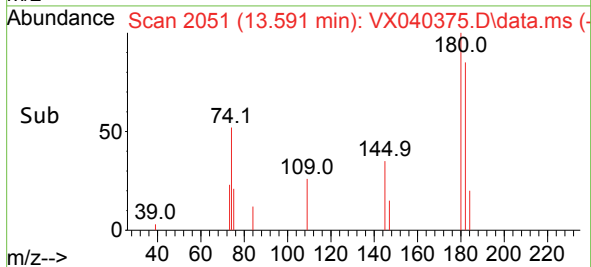
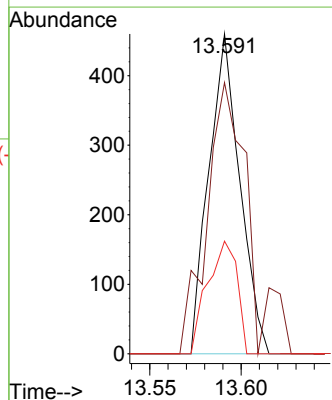
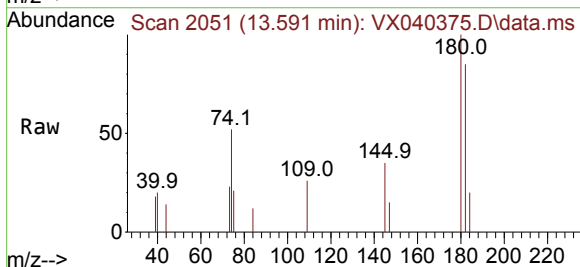
Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20240215DL

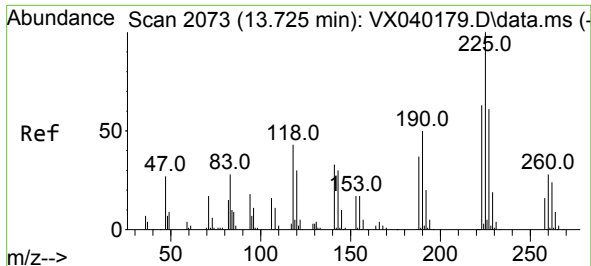
Tgt Ion: 91	Resp:	1052
Ion	Ratio	Lower Upper
91	100	
92	53.8	27.4 82.0
134	23.0	12.6 37.8



#93
1,2,4-Trichlorobenzene
Concen: 0.361 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

Tgt Ion: 180	Resp:	542
Ion	Ratio	Lower Upper
180	100	
182	113.7	48.3 144.8
145	33.8	18.0 54.0

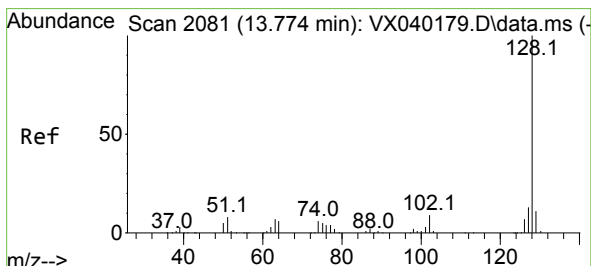
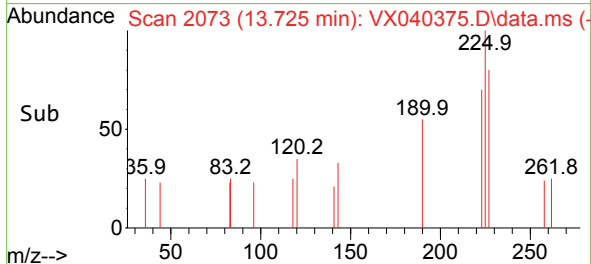
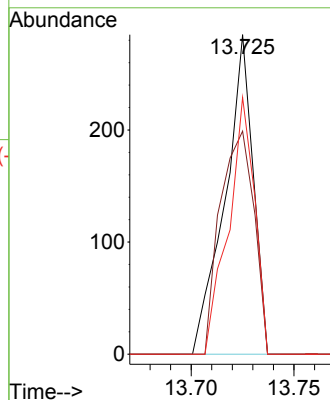
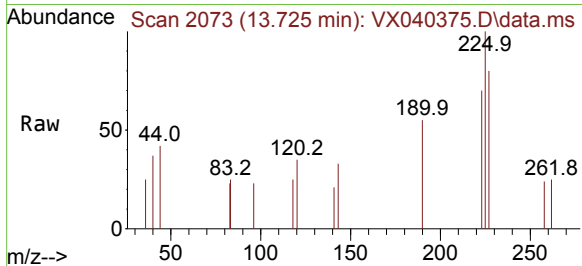




#94
Hexachlorobutadiene
Concen: 0.452 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

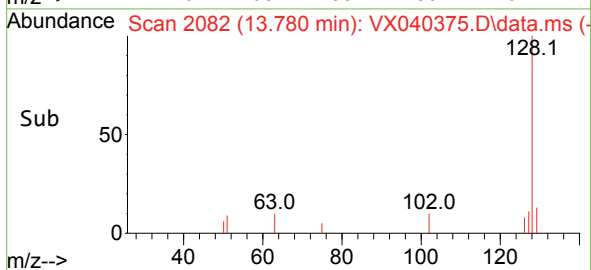
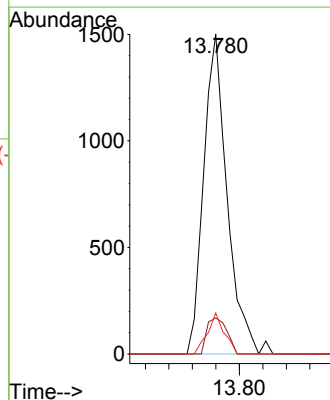
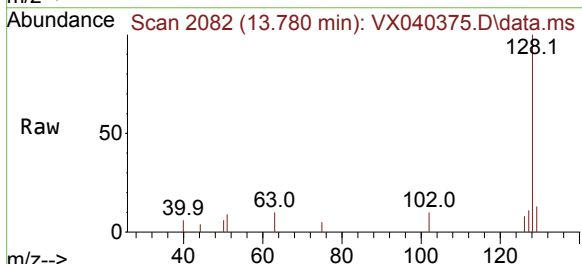
Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20240215DL

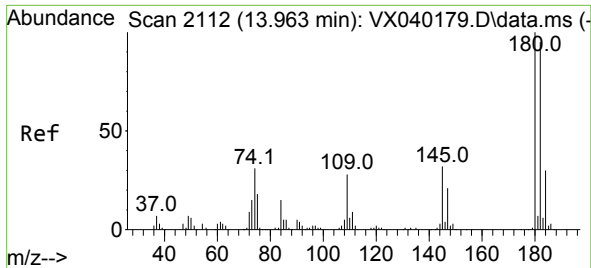
Tgt Ion:225	Resp:	271
Ion Ratio	Lower	Upper
225	100	
223	83.8	31.1 93.2
227	74.9	32.5 97.5



#95
Naphthalene
Concen: 0.439 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040375.D
Acq: 21 Feb 2024 12:48

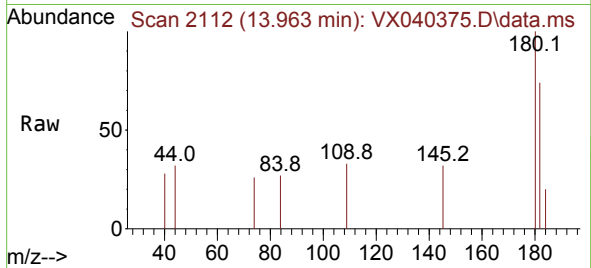
Tgt Ion:128	Resp:	2086
Ion Ratio	Lower	Upper
128	100	
127	9.5	10.3 15.5#
129	9.2	8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.337 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX040375.D
 Acq: 21 Feb 2024 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I1-20240215DL



Tgt Ion:	180	Resp:	483
Ion	Ratio	Lower	Upper
180	100		
182	84.9	46.9	140.6
145	37.5	17.8	53.5

