

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022624\
 Data File : VX040460.D
 Acq On : 26 Feb 2024 15:07
 Operator : JC/MD
 Sample : P1578-11 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

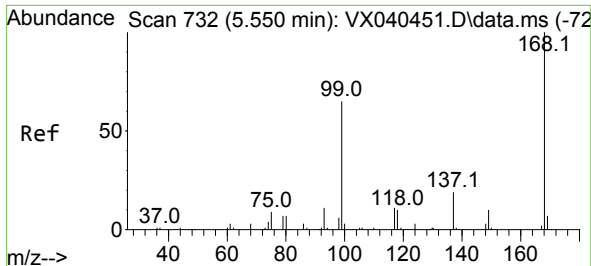
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20240221

Quant Time: Feb 27 05:09:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	75477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	130929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59431	47.078	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.160%
35) Dibromofluoromethane	5.385	113	44408	48.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.540%
50) Toluene-d8	8.647	98	161426	48.845	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.680%
62) 4-Bromofluorobenzene	11.079	95	63495	50.401	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.800%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	1706	1.992	ug/l	92
10) Methyl Iodide	2.459	142	83	3.096	ug/l #	34
11) Tert butyl alcohol	2.959	59	82	0.386	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	1118	1.300	ug/l	95
13) Acrolein	2.239	56	60	0.441	ug/l #	1
15) Acrylonitrile	3.075	53	253	0.475	ug/l #	61
16) Acetone	2.374	43	406	0.986	ug/l #	47
17) Carbon Disulfide	2.514	76	1106	0.464	ug/l #	76
20) Methylene Chloride	2.794	84	632	0.642	ug/l #	79
36) 1,1-Dichloropropene	5.556	75	7062	5.034	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8482	6.259	ug/l #	16
44) Trichloroethene	7.123	130	24103	23.599	ug/l	98
68) m/p-Xylenes	10.311	106	388	0.214	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	35967	26.543	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	35967	77.132	ug/l #	5
86) p-Isopropyltoluene	12.006	119	792	0.201	ug/l #	68
87) 1,3-Dichlorobenzene	11.975	146	516	0.241	ug/l	87
88) 1,4-Dichlorobenzene	11.975	146	516	0.237	ug/l	87
89) n-Butylbenzene	12.335	91	1264	0.326	ug/l	97
93) 1,2,4-Trichlorobenzene	13.597	180	633	0.476	ug/l	89
94) Hexachlorobutadiene	13.731	225	312	0.574	ug/l	97
95) Naphthalene	13.780	128	2026	0.477	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	555	0.439	ug/l	99

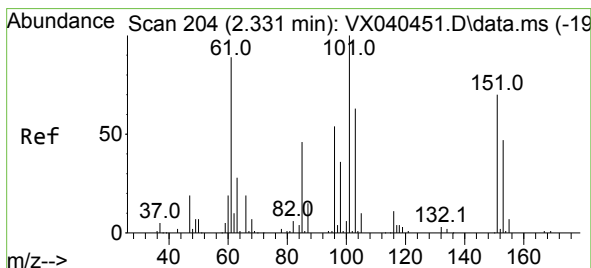
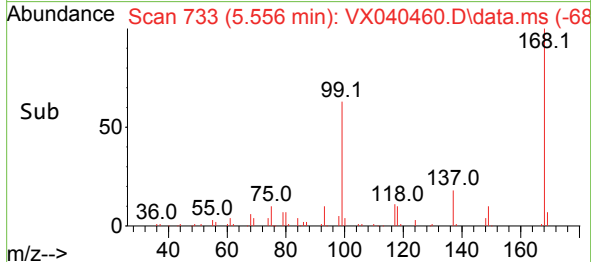
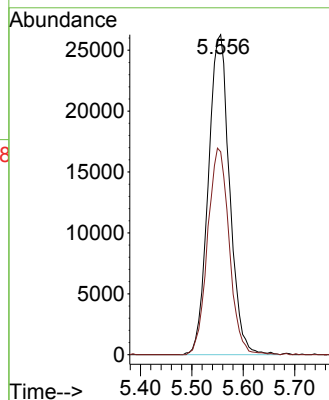
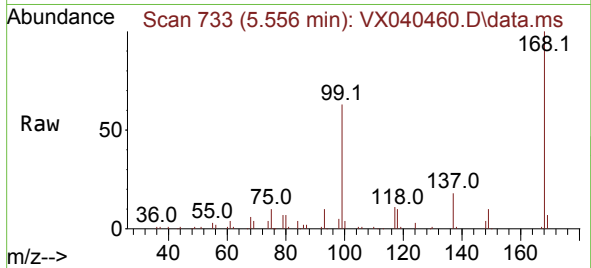
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

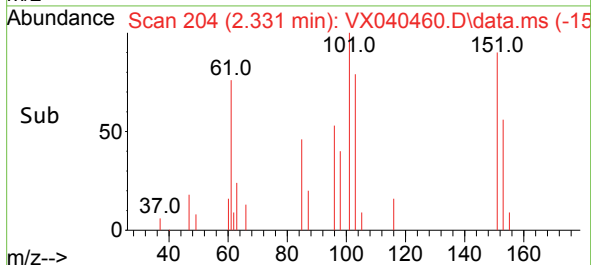
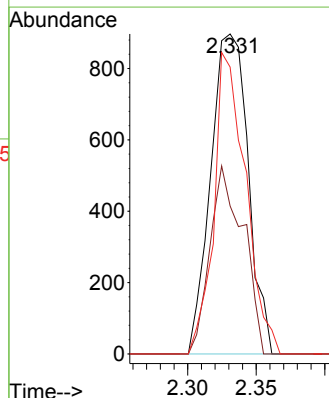
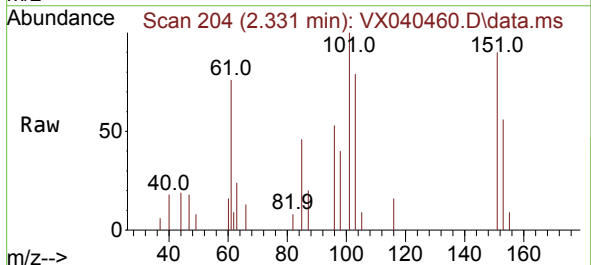
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

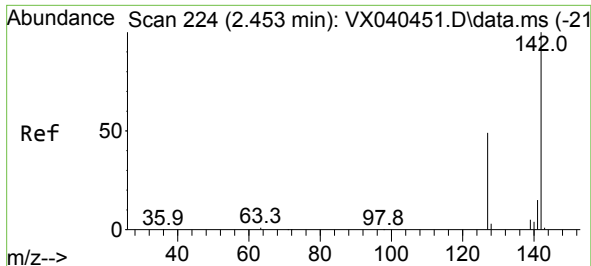
Tgt Ion:168 Resp: 75477
Ion Ratio Lower Upper
168 100
99 63.4 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.992 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

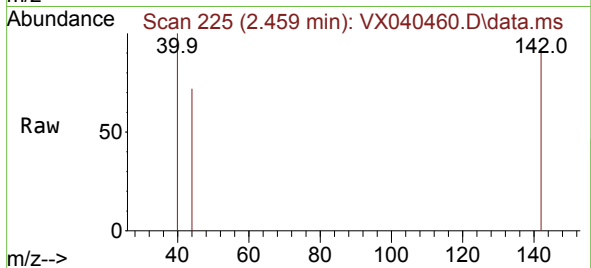
Tgt Ion:101 Resp: 1706
Ion Ratio Lower Upper
101 100
85 52.2 37.0 55.6
151 79.5 58.6 87.8



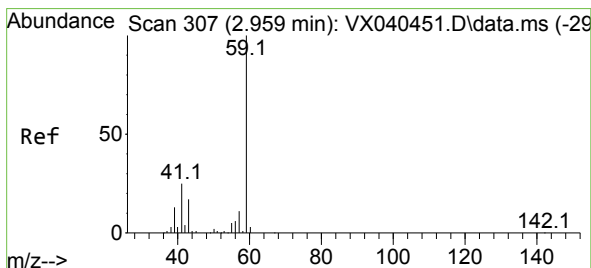
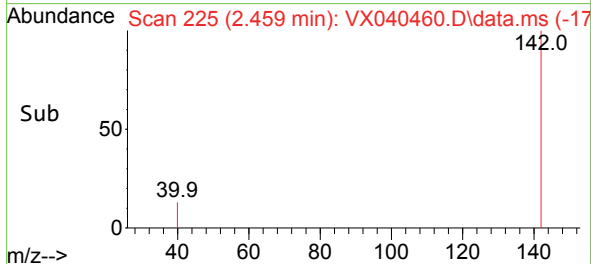
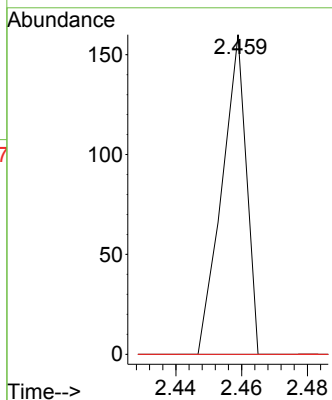


#10
Methyl Iodide
Concen: 3.096 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

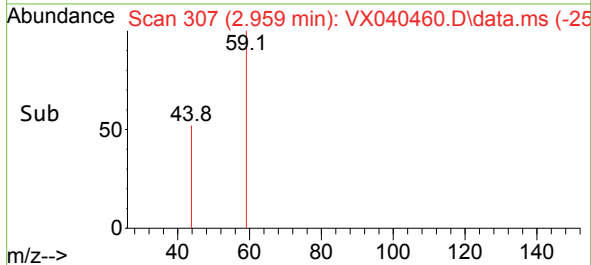
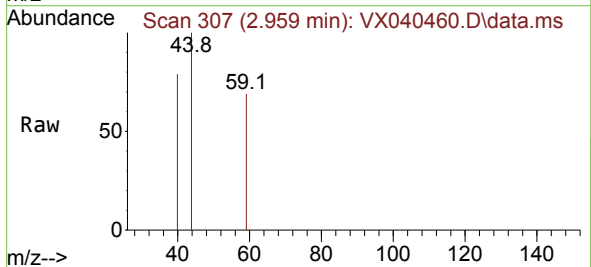
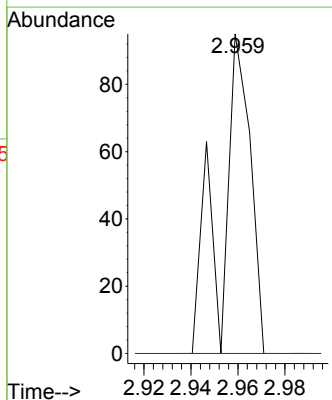


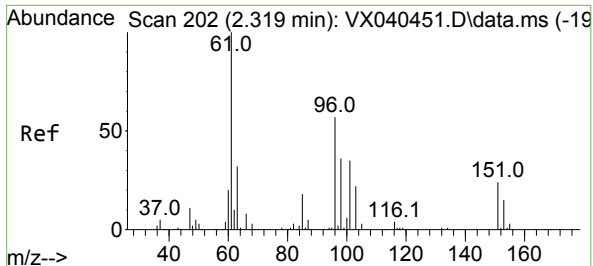
Tgt Ion:142 Resp: 83
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.386 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

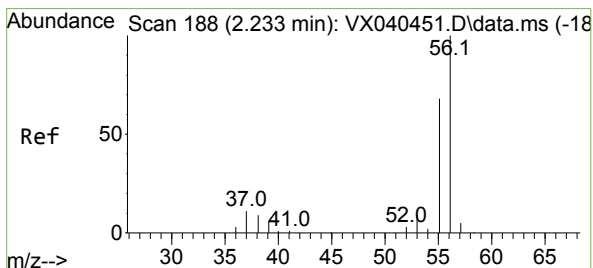
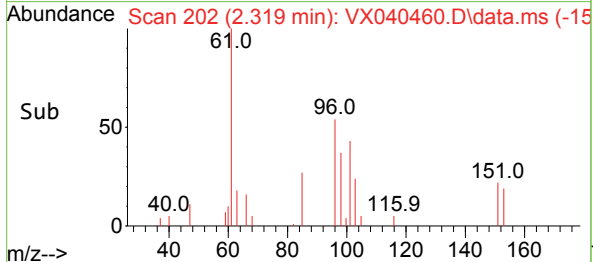
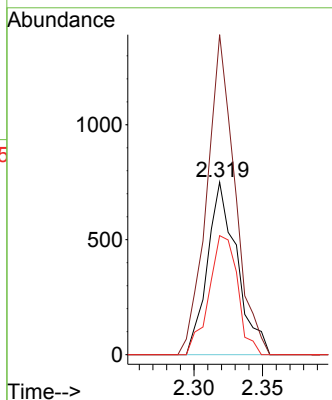
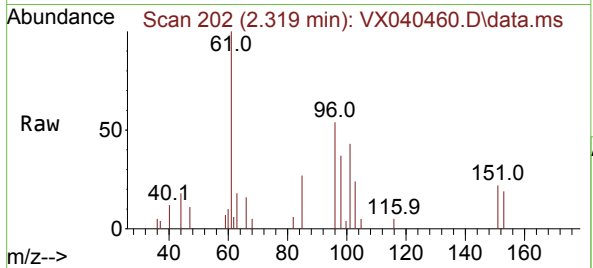




#12
 1,1-Dichloroethene
 Concen: 1.300 ug/l
 RT: 2.319 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX040460.D
 Acq: 26 Feb 2024 15:07

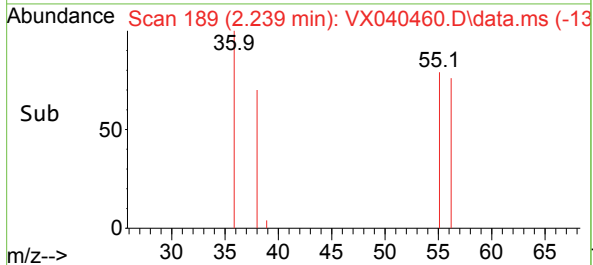
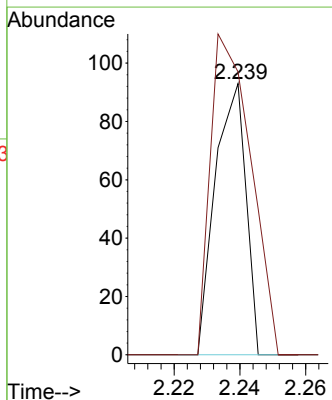
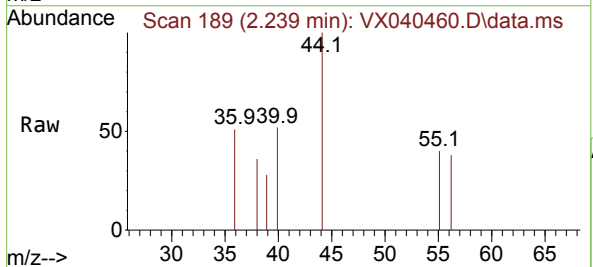
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20240221

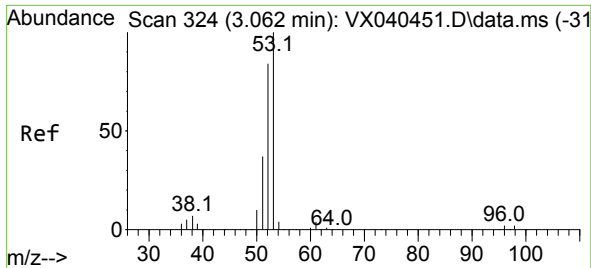
Tgt Ion:	96	Resp:	1118
Ion	Ratio	Lower	Upper
96	100		
61	185.6	144.6	216.8
98	69.1	50.4	75.6



#13
 Acrolein
 Concen: 0.441 ug/l
 RT: 2.239 min Scan# 189
 Delta R.T. 0.006 min
 Lab File: VX040460.D
 Acq: 26 Feb 2024 15:07

Tgt Ion:	56	Resp:	60
Ion	Ratio	Lower	Upper
56	100		
55	156.7	57.1	85.7#

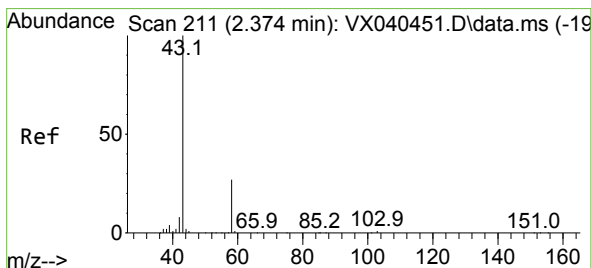
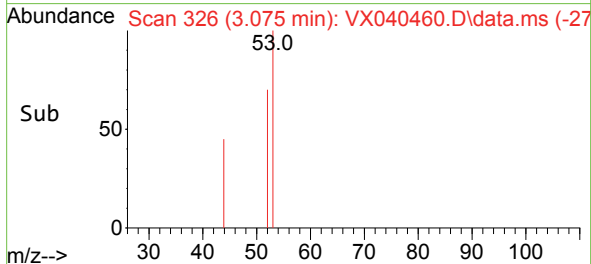
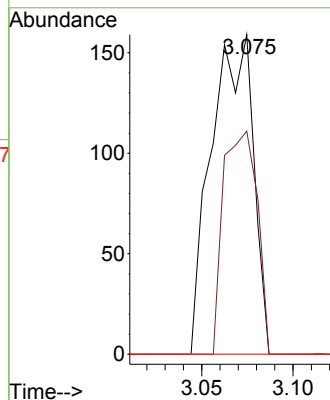
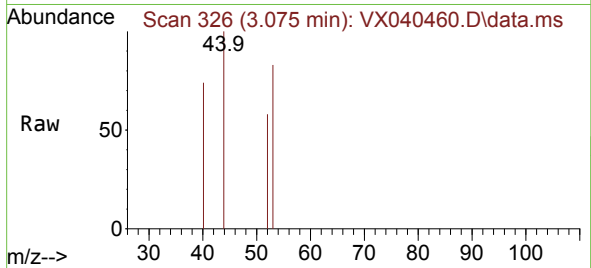




#15
 Acrylonitrile
 Concen: 0.475 ug/l
 RT: 3.075 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: VX040460.D
 Acq: 26 Feb 2024 15:07

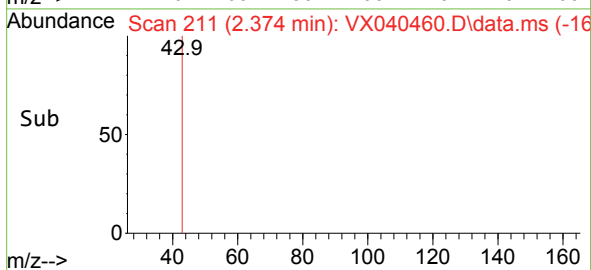
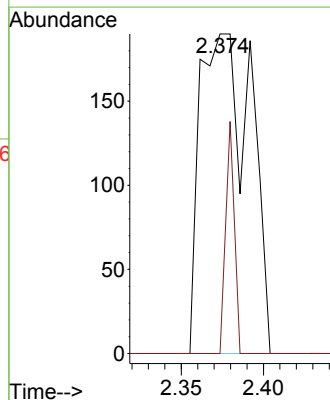
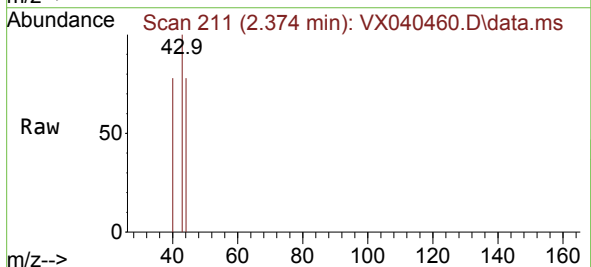
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20240221

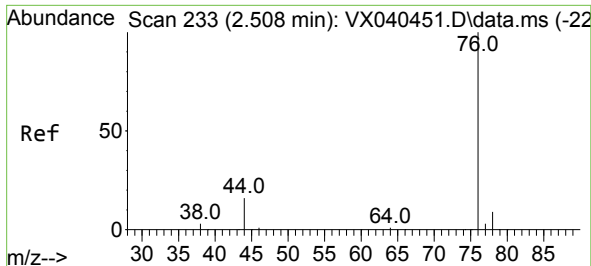
Tgt Ion: 53	Resp:	253
Ion	Ratio	Lower Upper
53	100	
52	56.5	66.0 99.0#
51	0.0	29.8 44.6#



#16
 Acetone
 Concen: 0.986 ug/l
 RT: 2.374 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VX040460.D
 Acq: 26 Feb 2024 15:07

Tgt Ion: 43	Resp:	406
Ion	Ratio	Lower Upper
43	100	
58	0.0	21.9 32.9#





#17

Carbon Disulfide

Concen: 0.464 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040460.D

Acq: 26 Feb 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :

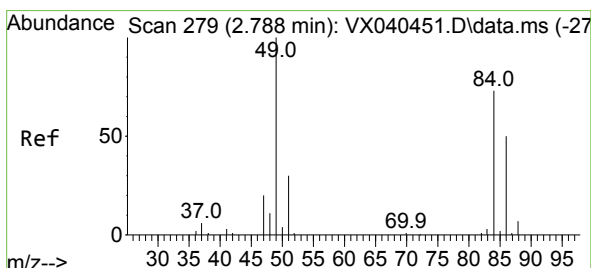
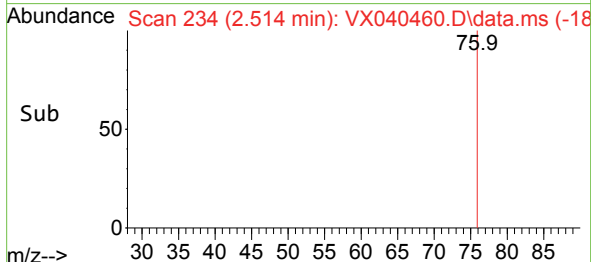
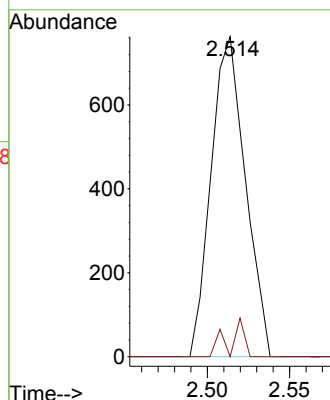
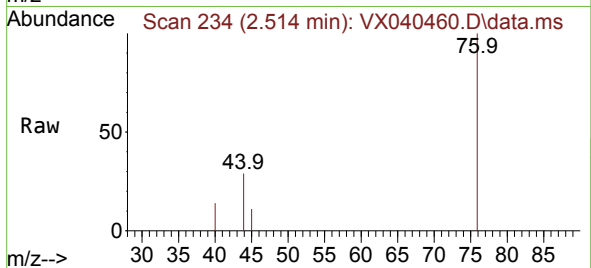
TT180D2-20240221

Tgt Ion: 76 Resp: 1106

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.642 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040460.D

Acq: 26 Feb 2024 15:07

Tgt Ion: 84 Resp: 632

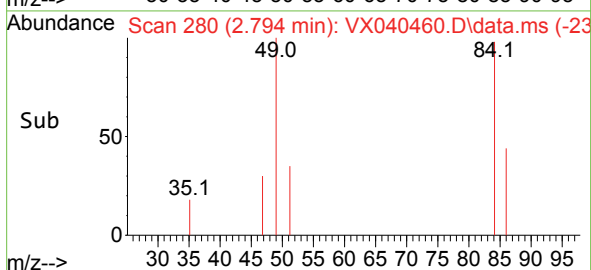
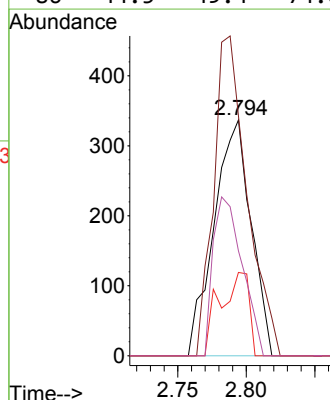
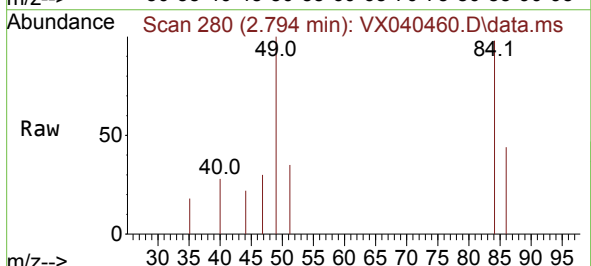
Ion Ratio Lower Upper

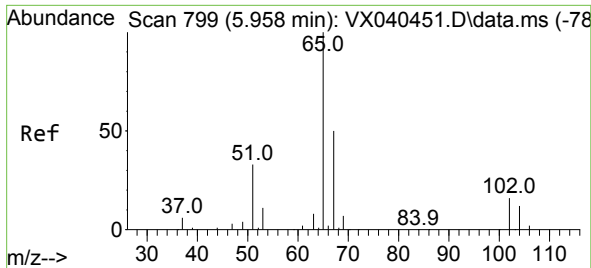
84 100

49 101.8 103.6 155.4#

51 35.3 33.8 50.6

86 44.5 49.4 74.0#

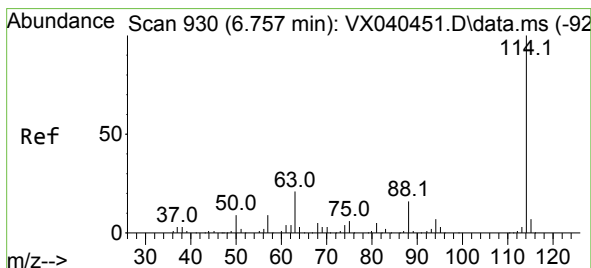
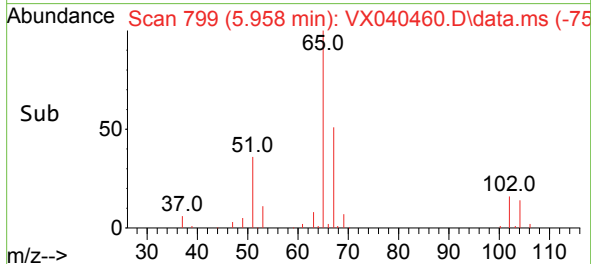
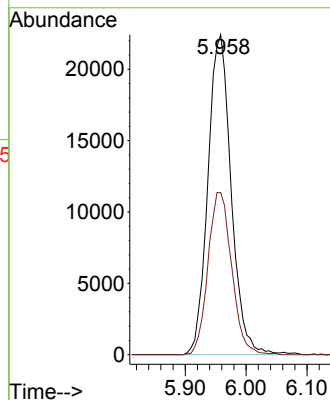
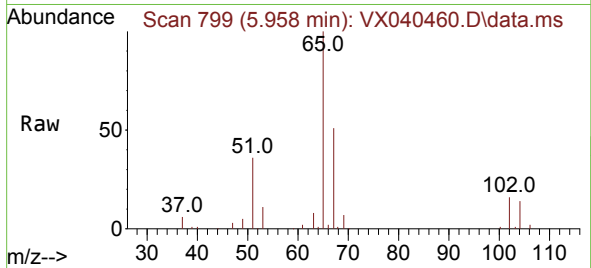




#33
1,2-Dichloroethane-d4
Concen: 47.078 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

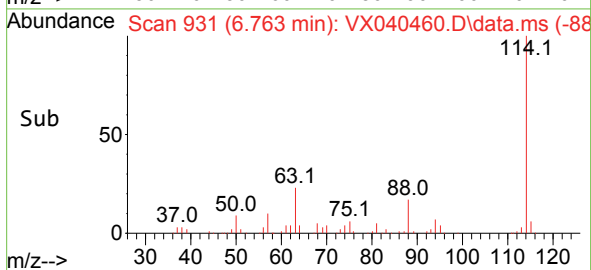
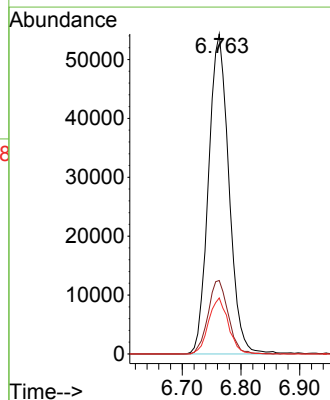
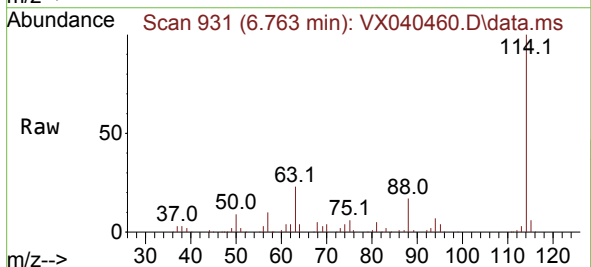
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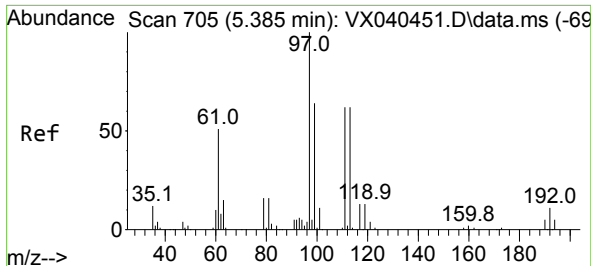
Tgt Ion: 65 Resp: 59431
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

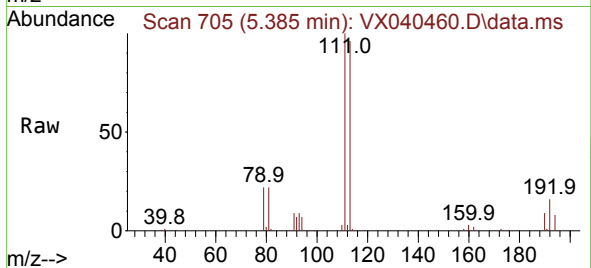
Tgt Ion: 114 Resp: 130929
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.0
88 17.5 0.0 36.6



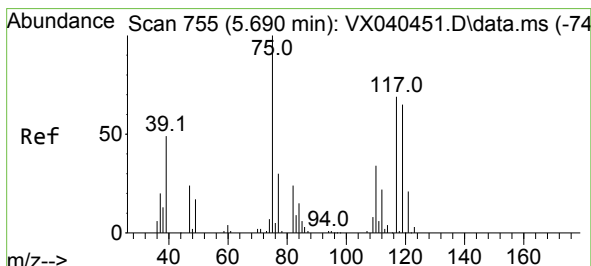
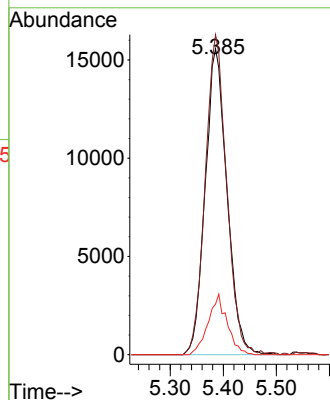
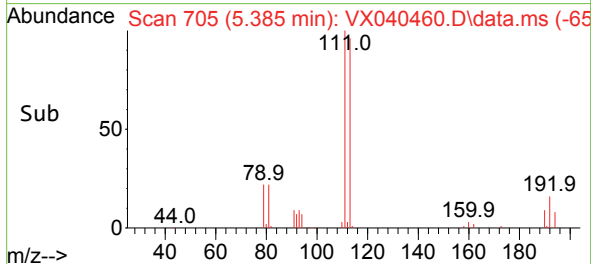


#35
Dibromofluoromethane
Concen: 48.775 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

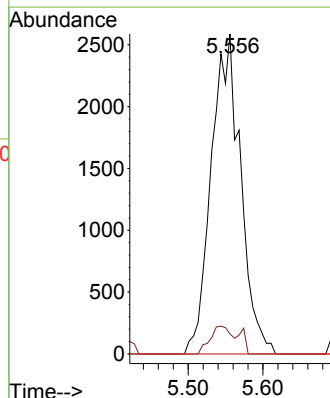
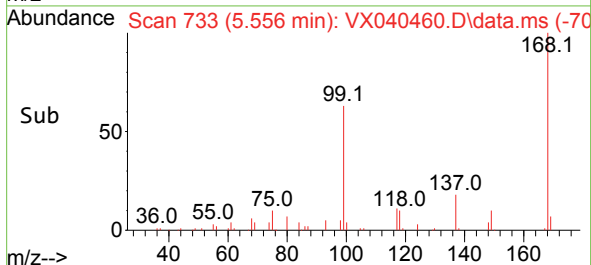
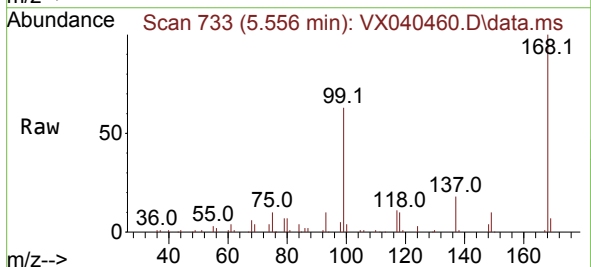


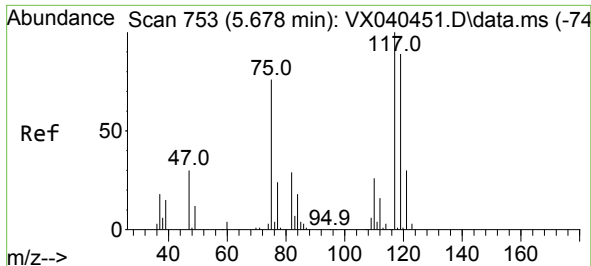
Tgt Ion:113 Resp: 44408
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 17.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.034 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Tgt Ion: 75 Resp: 7062
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#

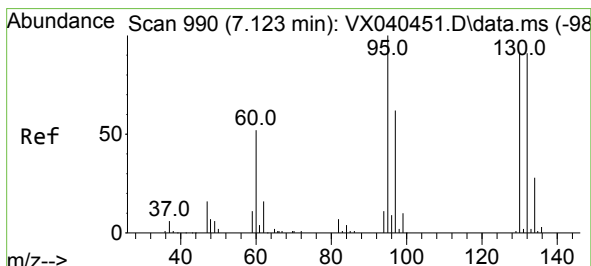
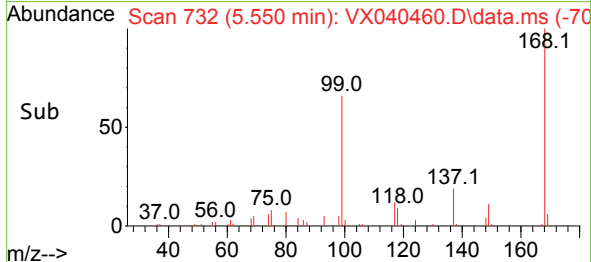
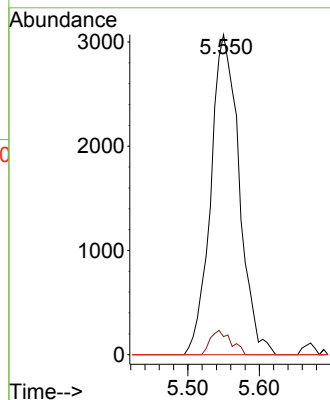
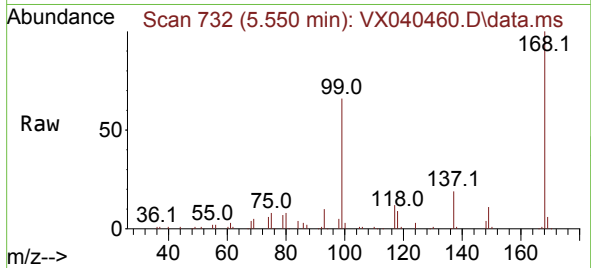




#38
Carbon Tetrachloride
Concen: 6.259 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

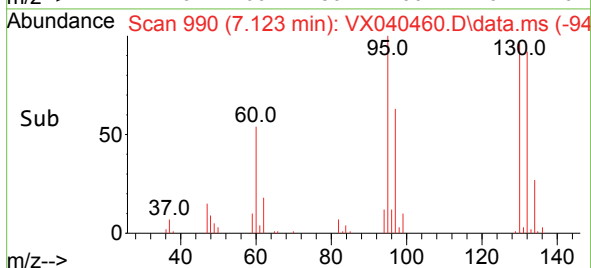
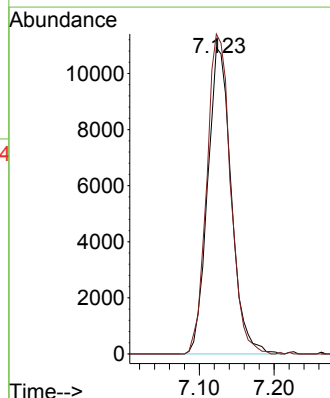
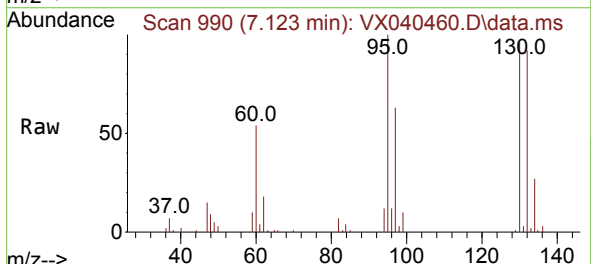
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

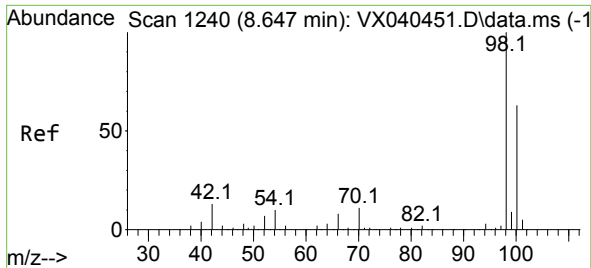
Tgt Ion:117 Resp: 8482
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 23.599 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Tgt Ion:130 Resp: 24103
Ion Ratio Lower Upper
130 100
95 104.4 0.0 204.4

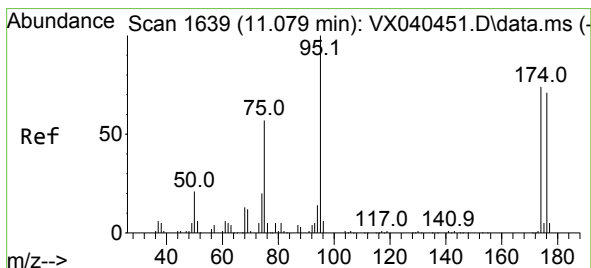
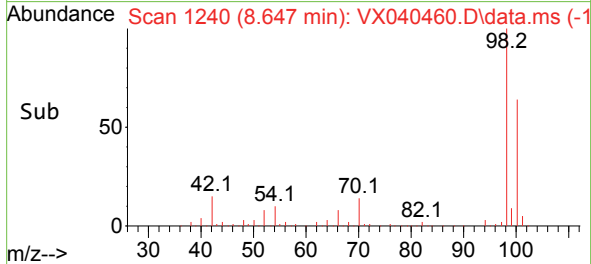
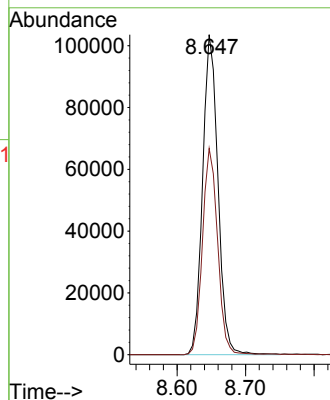
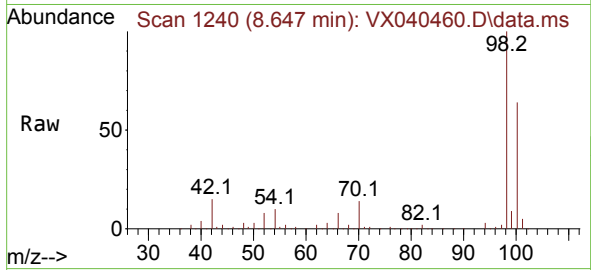




#50
Toluene-d8
Concen: 48.845 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

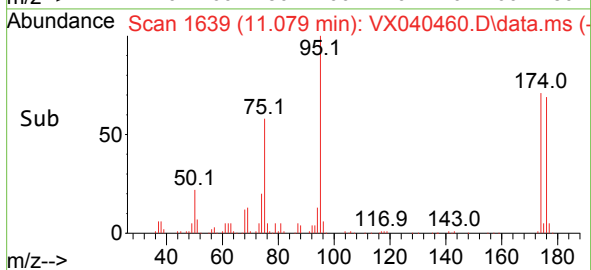
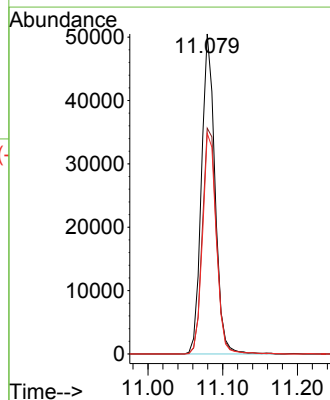
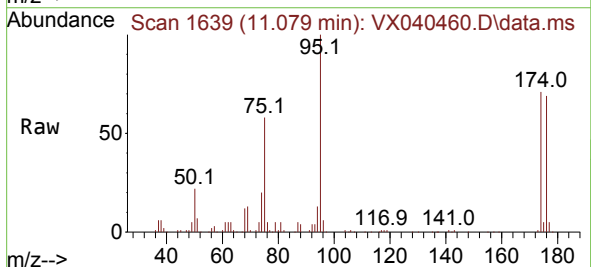
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

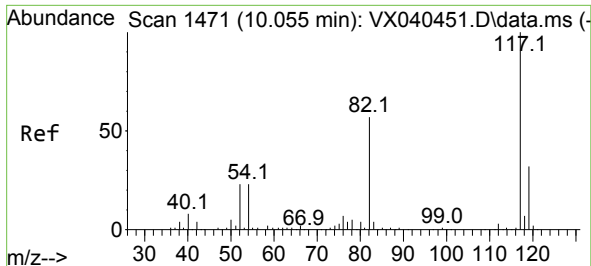
Tgt Ion: 98 Resp: 161426
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 50.401 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Tgt Ion: 95 Resp: 63495
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 70.3 0.0 131.0

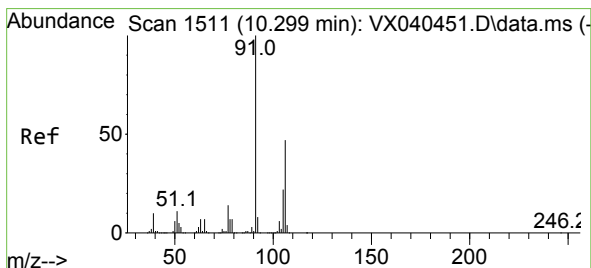
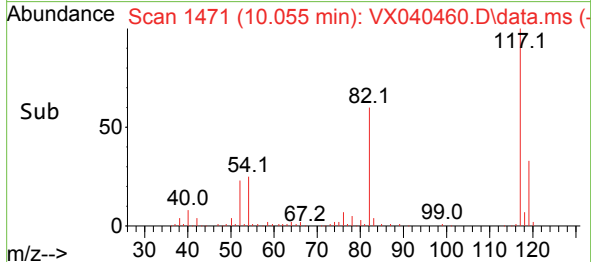
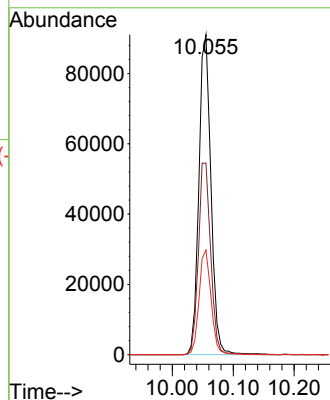
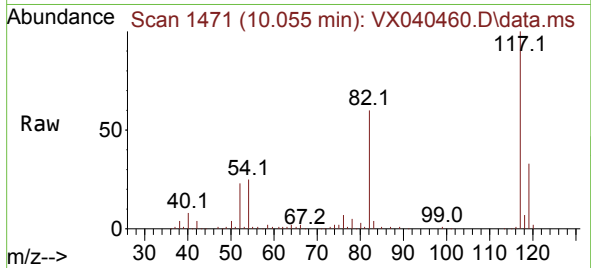




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

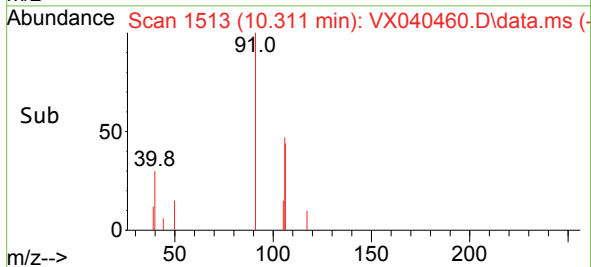
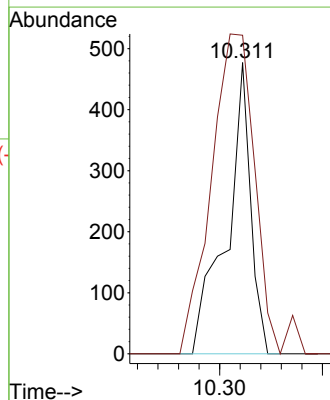
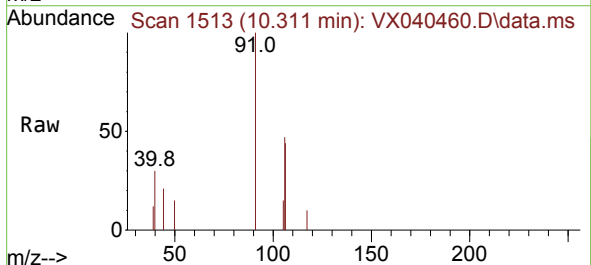
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

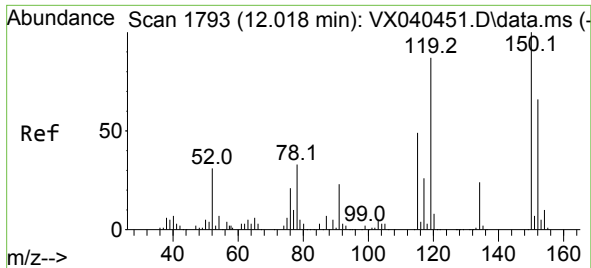
Tgt Ion:117 Resp: 124978
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 32.7 25.5 38.3



#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Tgt Ion:106 Resp: 388
Ion Ratio Lower Upper
106 100
91 202.6 165.5 248.3

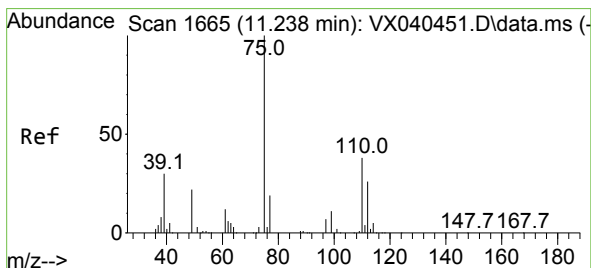
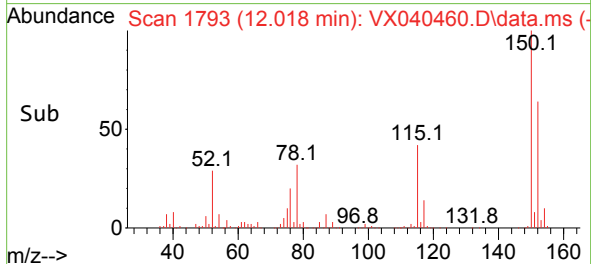
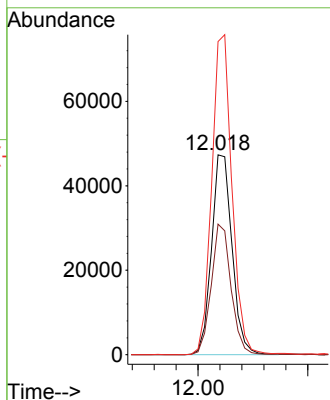
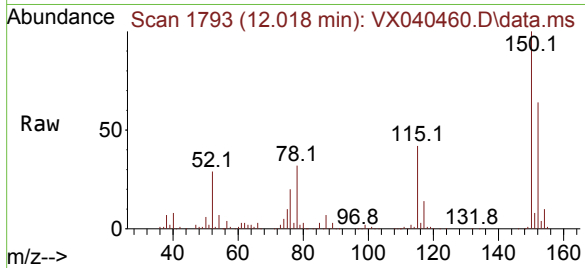




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

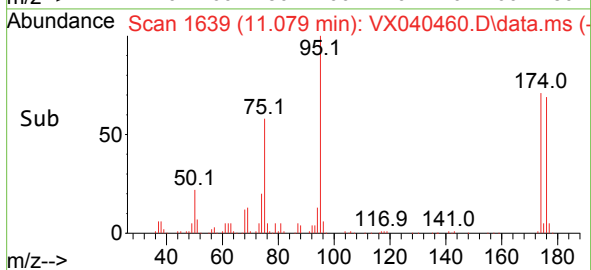
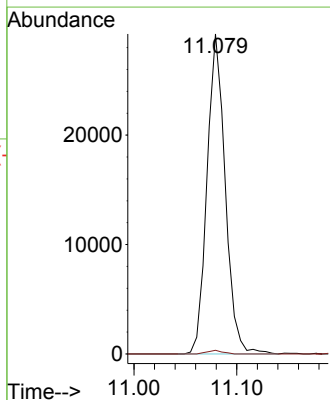
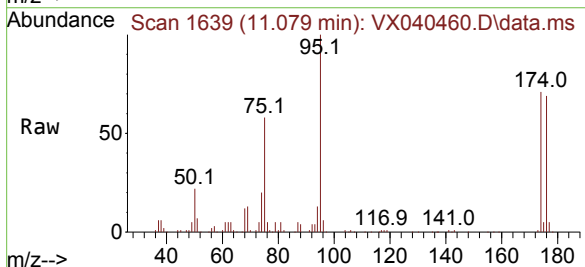
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

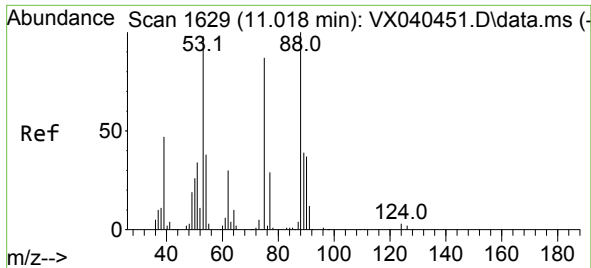
Tgt Ion:152 Resp: 61569
Ion Ratio Lower Upper
152 100
115 63.2 43.3 129.9
150 158.2 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 26.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Tgt Ion: 75 Resp: 35967
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

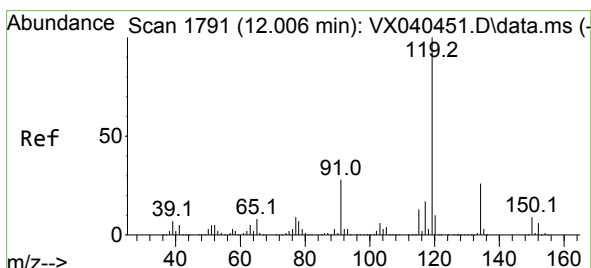
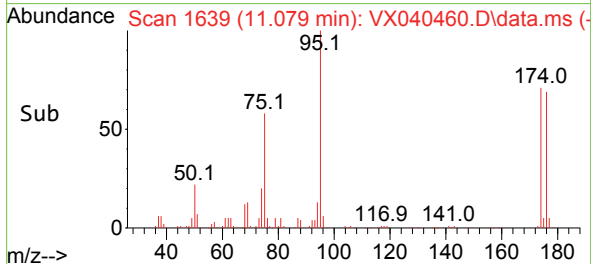
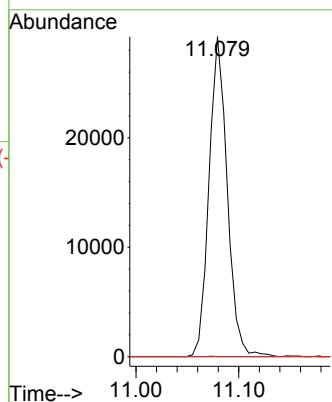
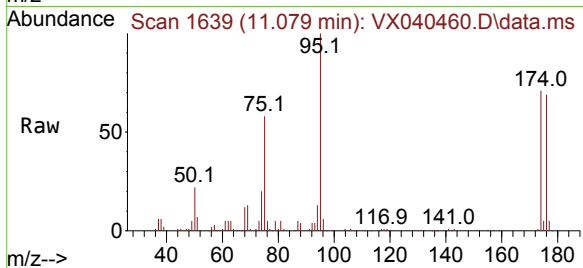




#81
trans-1,4-Dichloro-2-butene
Concen: 77.132 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

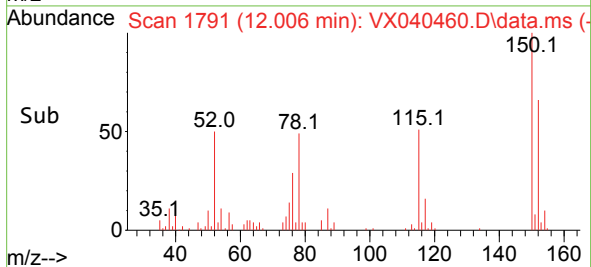
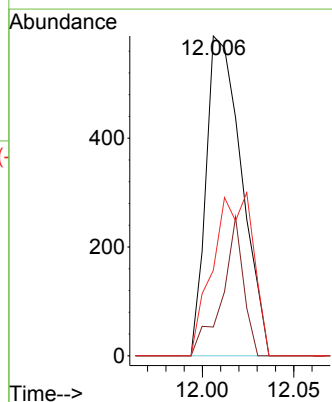
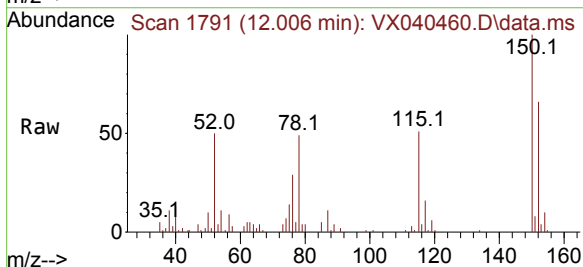
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

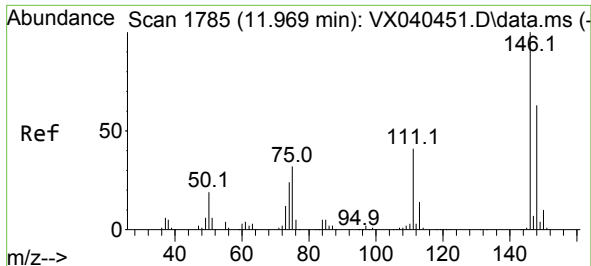
Tgt Ion: 75 Resp: 35967
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 0.201 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Tgt Ion: 119 Resp: 792
Ion Ratio Lower Upper
119 100
134 26.3 12.8 38.3
91 57.4 13.1 39.3#

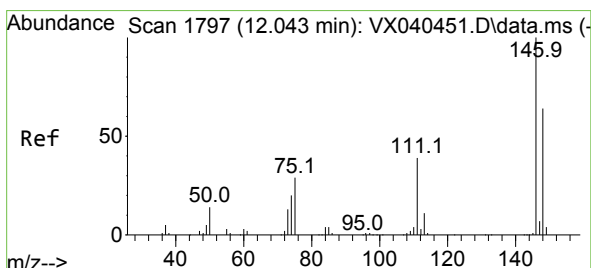
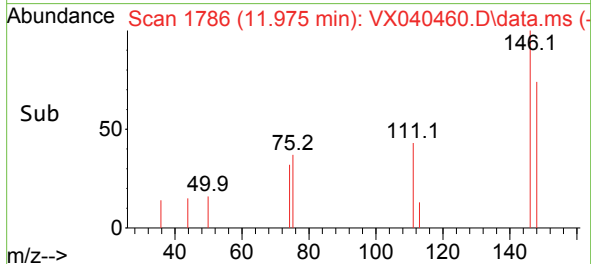
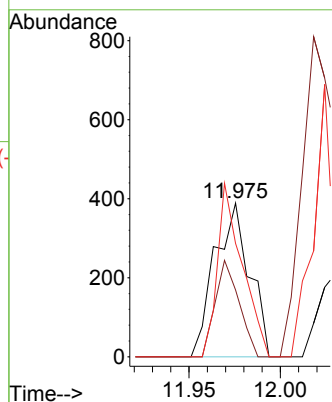
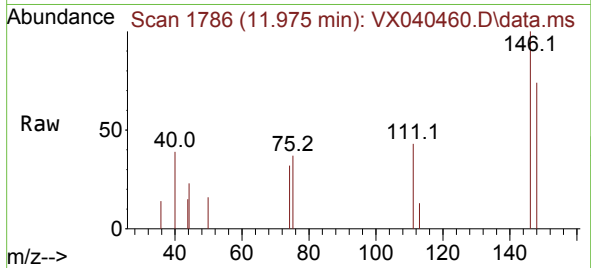




#87
1,3-Dichlorobenzene
Concen: 0.241 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

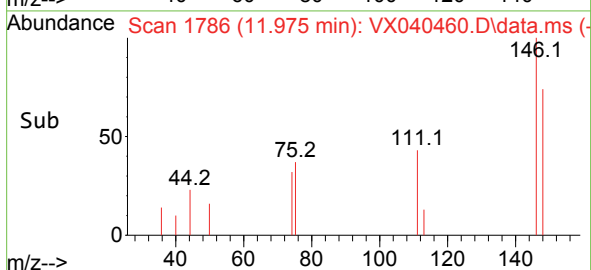
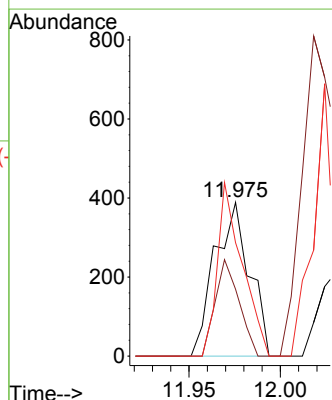
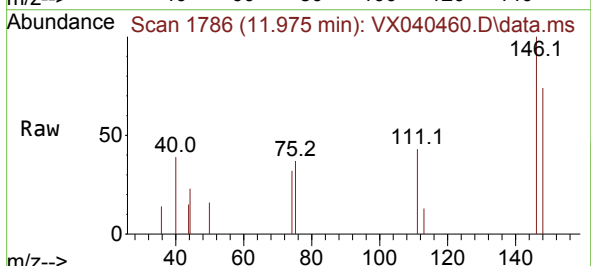
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20240221

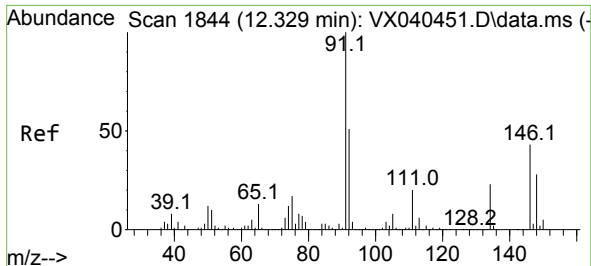
Tgt Ion:146 Resp: 516
Ion Ratio Lower Upper
146 100
111 42.8 22.1 66.1
148 80.2 31.8 95.3



#88
1,4-Dichlorobenzene
Concen: 0.237 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.067 min
Lab File: VX040460.D
Acq: 26 Feb 2024 15:07

Tgt Ion:146 Resp: 516
Ion Ratio Lower Upper
146 100
111 42.8 21.3 63.7
148 80.2 31.8 95.4





#89

n-Butylbenzene

Concen: 0.326 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040460.D

Acq: 26 Feb 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20240221

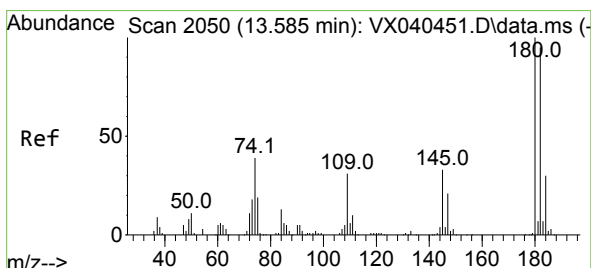
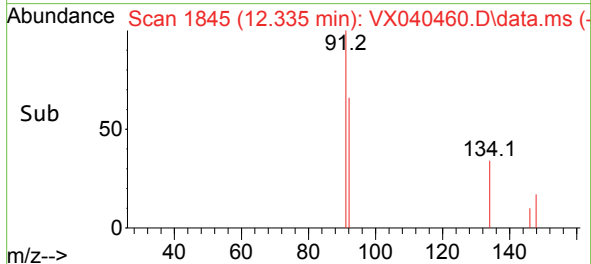
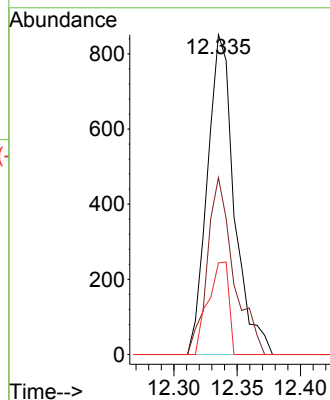
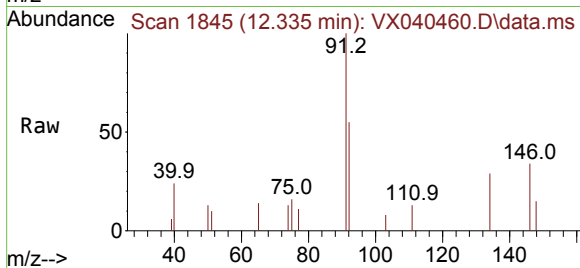
Tgt Ion: 91 Resp: 1264

Ion Ratio Lower Upper

91 100

92 53.7 27.4 82.0

134 22.0 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.476 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX040460.D

Acq: 26 Feb 2024 15:07

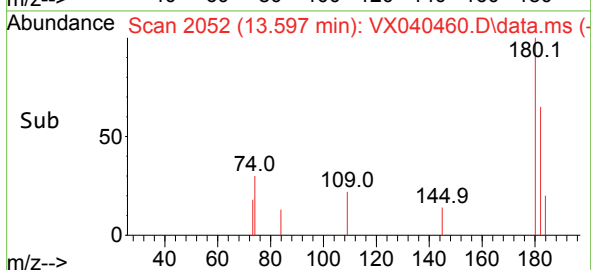
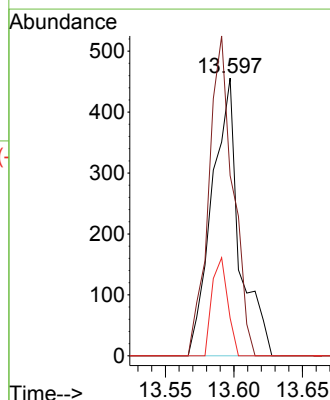
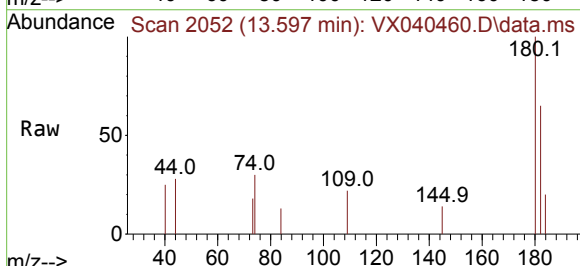
Tgt Ion:180 Resp: 633

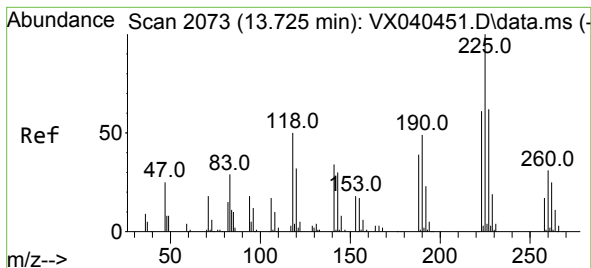
Ion Ratio Lower Upper

180 100

182 102.1 48.3 144.8

145 20.2 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.574 ug/l

RT: 13.731 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX040460.D

Acq: 26 Feb 2024 15:07

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20240221

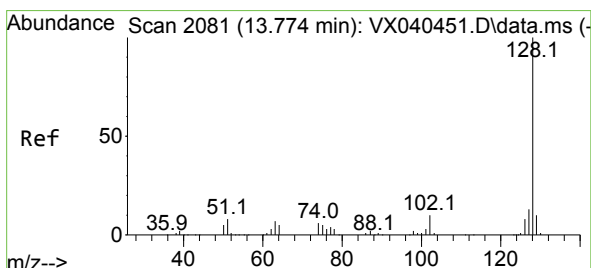
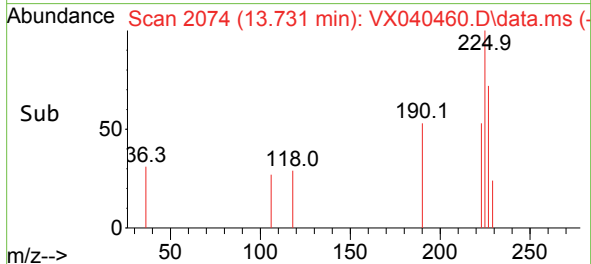
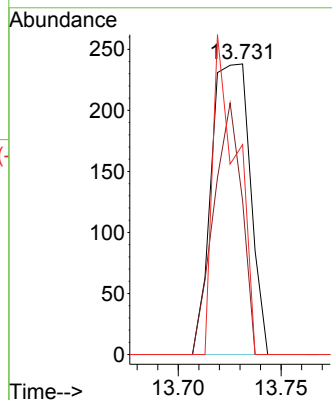
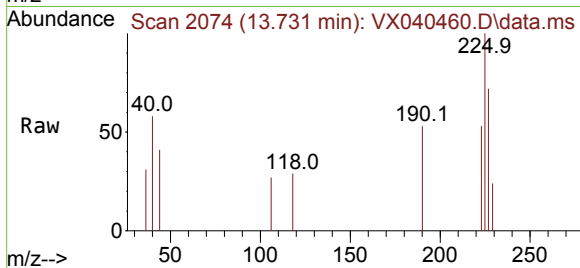
Tgt Ion:225 Resp: 312

Ion Ratio Lower Upper

225 100

223 63.1 31.1 93.2

227 69.2 32.5 97.5



#95

Naphthalene

Concen: 0.477 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040460.D

Acq: 26 Feb 2024 15:07

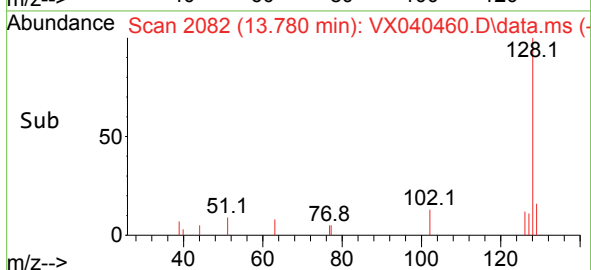
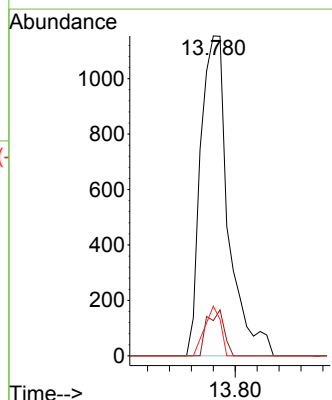
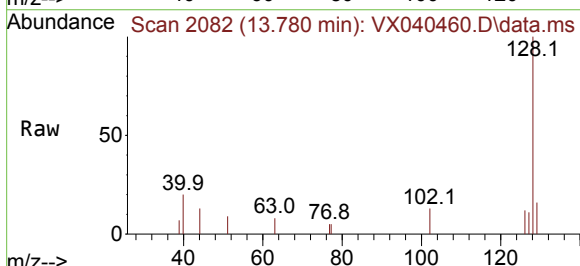
Tgt Ion:128 Resp: 2026

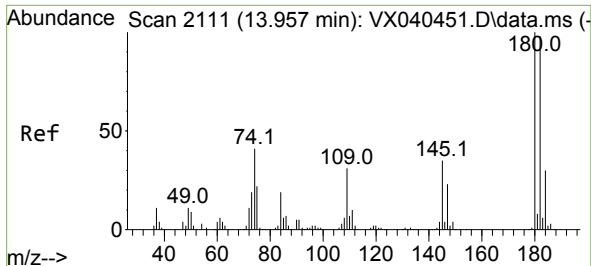
Ion Ratio Lower Upper

128 100

127 8.8 10.3 15.5#

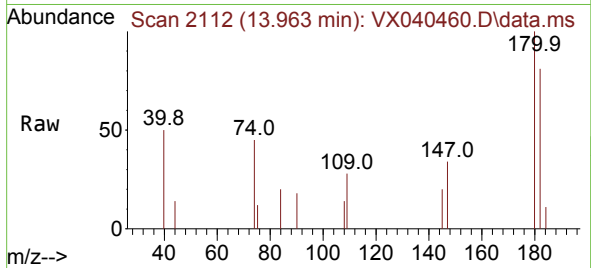
129 8.9 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.439 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX040460.D
 Acq: 26 Feb 2024 15:07

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20240221



Tgt Ion:180 Resp: 555
 Ion Ratio Lower Upper
 180 100
 182 92.8 46.9 140.6
 145 35.7 17.8 53.5

