

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040524.D
 Acq On : 28 Feb 2024 20:15
 Operator : JC/MD
 Sample : P1615-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT174I1-20240227

Quant Time: Feb 29 03:55:38 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)

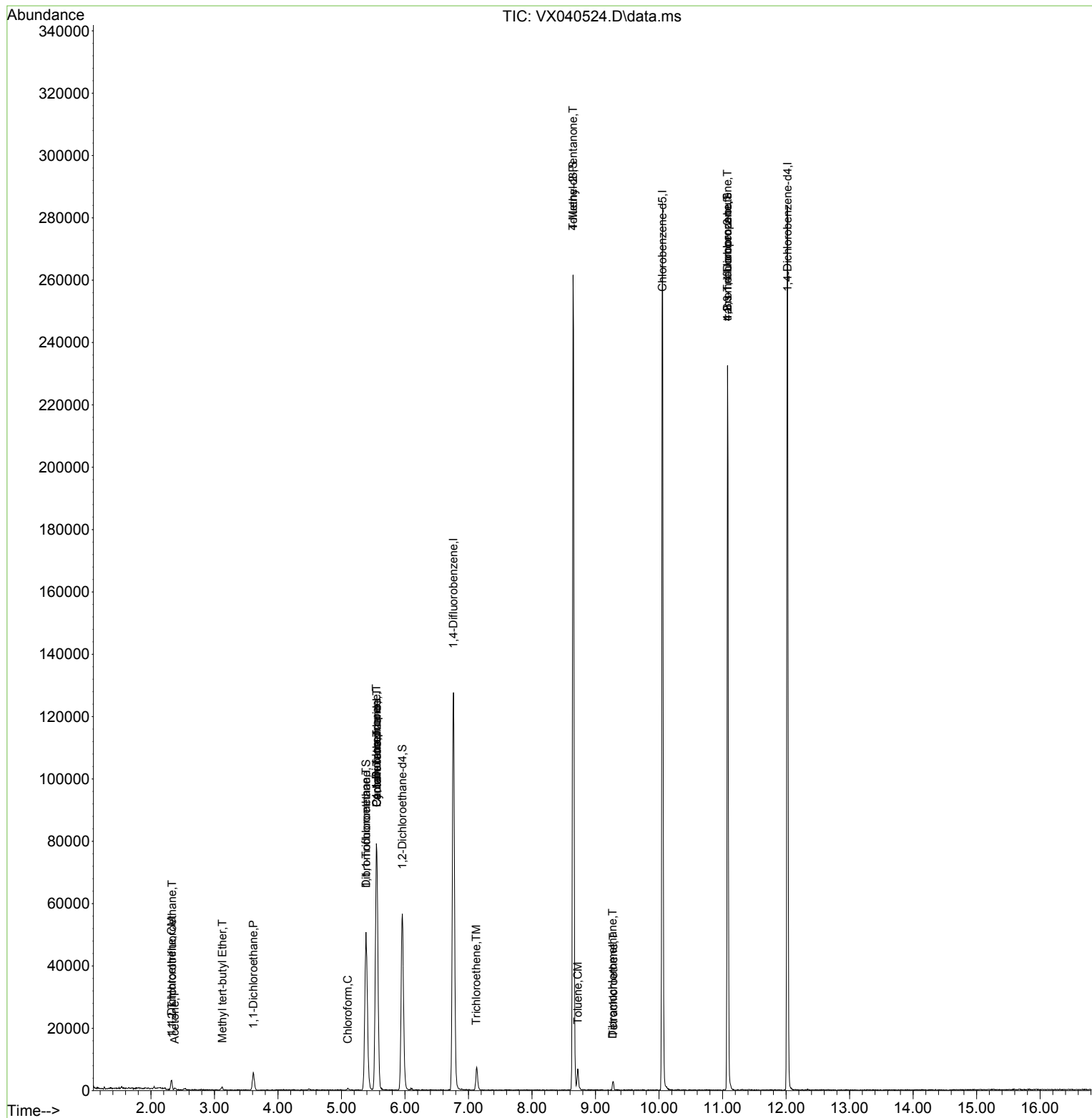
Internal Standards						
1) Pentafluorobenzene	5.555	168	69984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	120618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58009	49.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.120%		
35) Dibromofluoromethane	5.385	113	41449	49.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.840%		
50) Toluene-d8	8.646	98	149558	49.122	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.240%		
62) 4-Bromofluorobenzene	11.079	95	58493	50.400	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.800%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.330	101	246	0.310	ug/l #	48
12) 1,1-Dichloroethene	2.324	96	957	1.200	ug/l #	84
16) Acetone	2.373	43	822	2.153	ug/l #	81
19) Methyl tert-butyl Ether	3.123	73	869	0.320	ug/l #	87
24) 1,1-Dichloroethane	3.611	63	5930	3.628	ug/l #	91
30) Chloroform	5.098	83	565	0.326	ug/l	84
31) Cyclohexane	5.555	56	2047	1.544	ug/l #	46
32) 1,1,1-Trichloroethane	5.385	97	680	0.459	ug/l #	43
36) 1,1-Dichloropropene	5.549	75	6447	4.989	ug/l #	51
38) Carbon Tetrachloride	5.555	117	7919	6.343	ug/l #	14
44) Trichloroethene	7.122	130	2506	2.663	ug/l	94
51) 4-Methyl-2-Pentanone	8.646	43	807	0.550	ug/l #	1
52) Toluene	8.720	92	2437	1.135	ug/l	92
60) Dibromochloromethane	9.268	129	518	0.535	ug/l #	11
64) Tetrachloroethene	9.280	164	578	0.699	ug/l #	81
76) 1,2,3-Trichloropropane	11.079	75	33842	27.322	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	33842	79.205	ug/l #	5

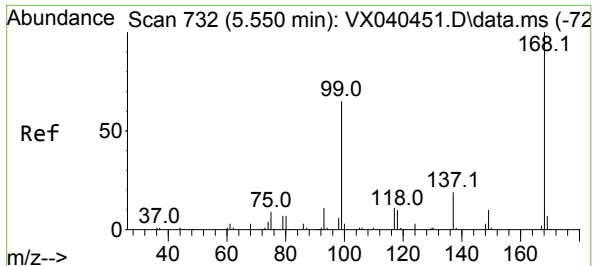
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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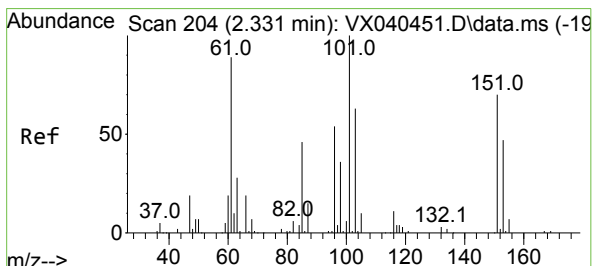
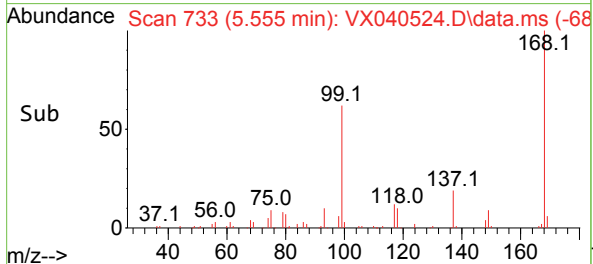
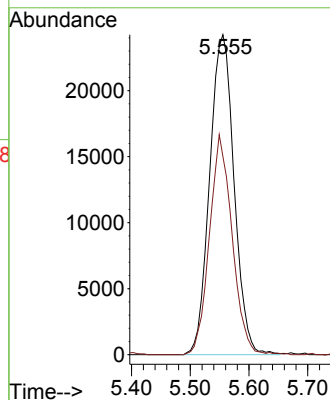
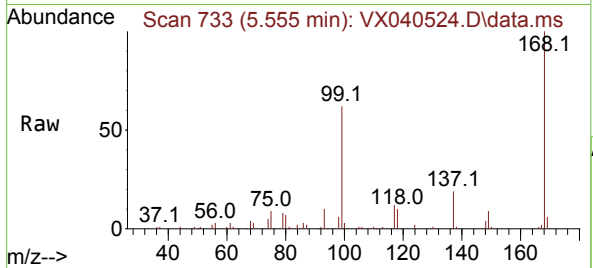




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 732
Delta R.T. 0.005 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

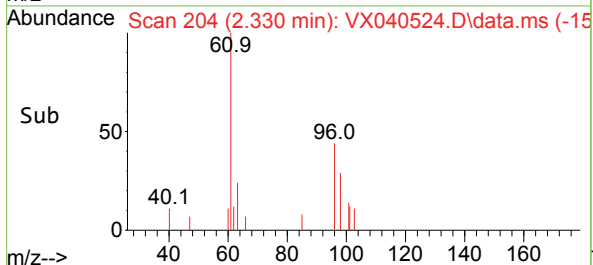
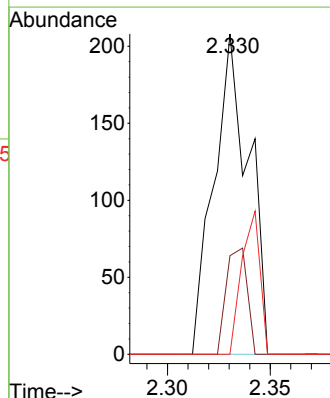
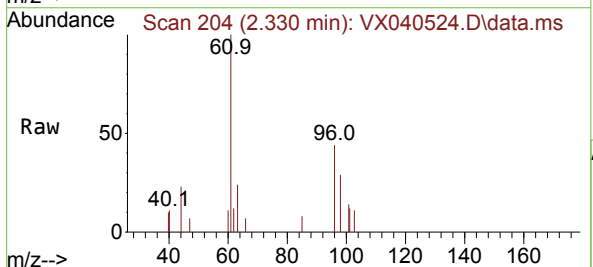
Instrument :
MSVOA_X
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TT17411-20240227

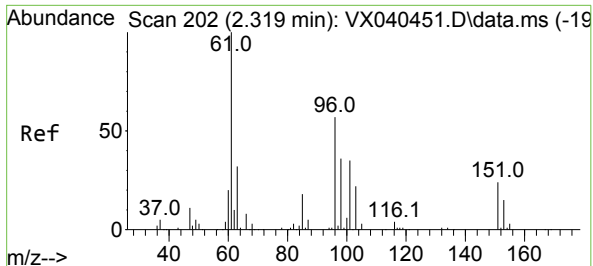
Tgt Ion:168 Resp: 69984
Ion Ratio Lower Upper
168 100
99 61.9 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.310 ug/l
RT: 2.330 min Scan# 204
Delta R.T. -0.001 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

Tgt Ion:101 Resp: 246
Ion Ratio Lower Upper
101 100
85 19.9 37.0 55.6#
151 23.2 58.6 87.8#





#12

1,1-Dichloroethene

Concen: 1.200 ug/l

RT: 2.324 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX040524.D

Acq: 28 Feb 2024 20:15

Instrument :

MSVOA_X

ClientSampleId :

TT17411-20240227

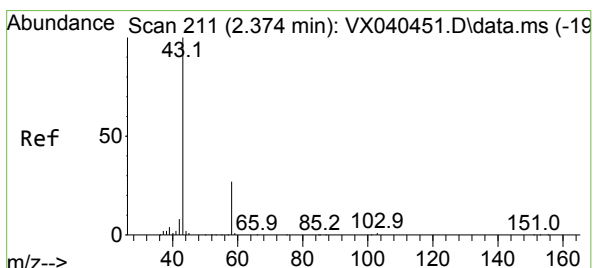
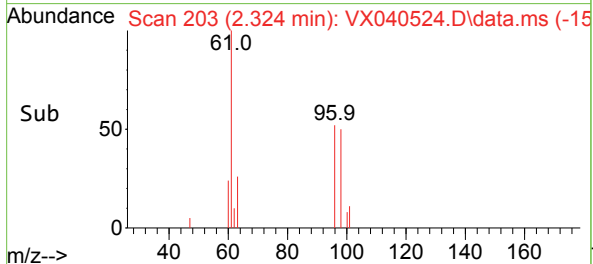
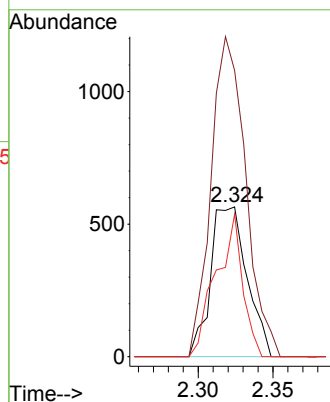
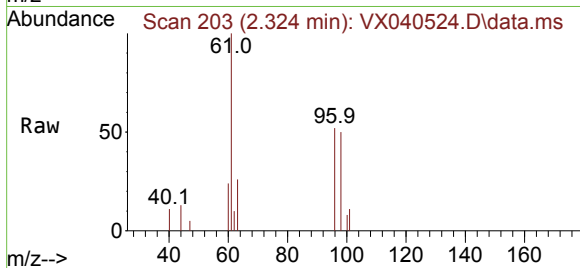
Tgt Ion: 96 Resp: 957

Ion Ratio Lower Upper

96 100

61 191.2 144.6 216.8

98 95.2 50.4 75.6#



#16

Acetone

Concen: 2.153 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.001 min

Lab File: VX040524.D

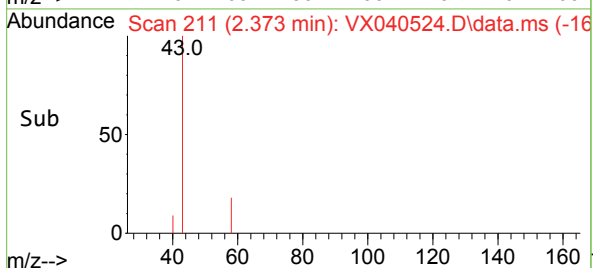
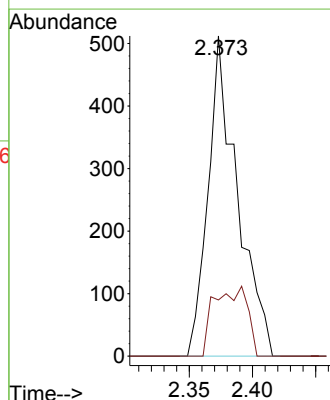
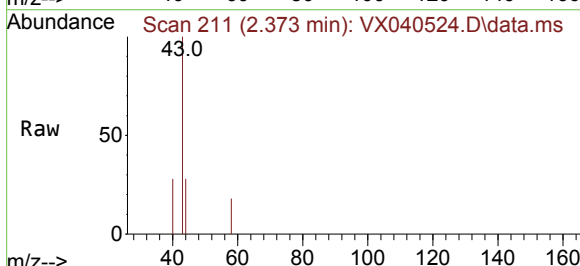
Acq: 28 Feb 2024 20:15

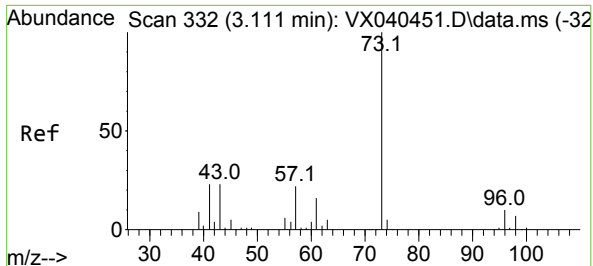
Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

58 17.6 21.9 32.9#





#19

Methyl tert-butyl Ether

Concen: 0.320 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX040524.D

Acq: 28 Feb 2024 20:15

Instrument :

MSVOA_X

ClientSampleId :

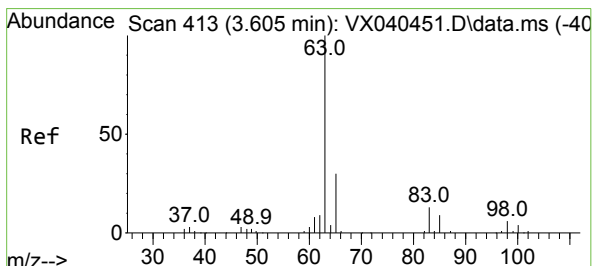
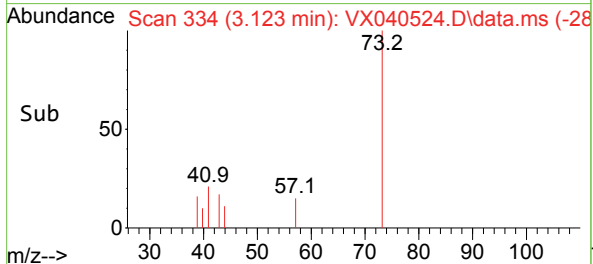
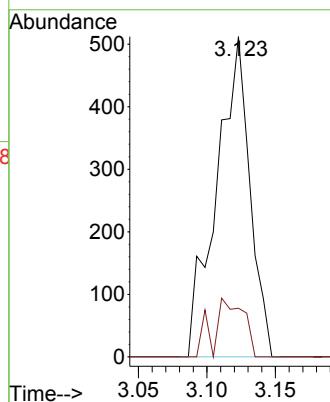
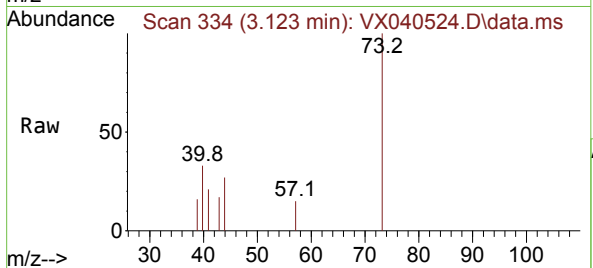
TT17411-20240227

Tgt Ion: 73 Resp: 869

Ion Ratio Lower Upper

73 100

57 15.2 17.3 25.9#



#24

1,1-Dichloroethane

Concen: 3.628 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX040524.D

Acq: 28 Feb 2024 20:15

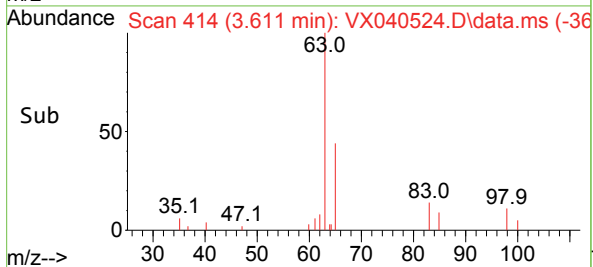
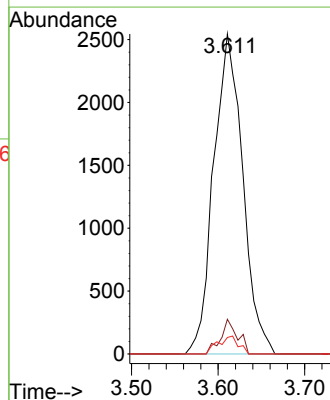
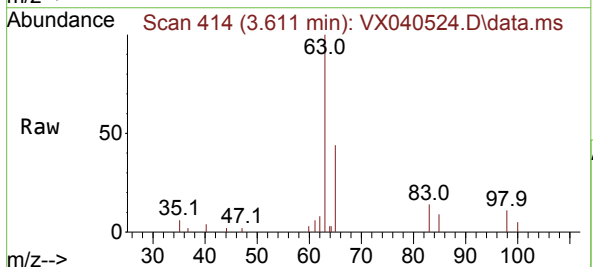
Tgt Ion: 63 Resp: 5930

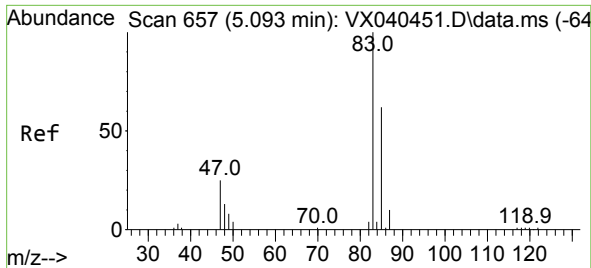
Ion Ratio Lower Upper

63 100

98 10.9 3.3 9.8#

100 5.1 2.1 6.5

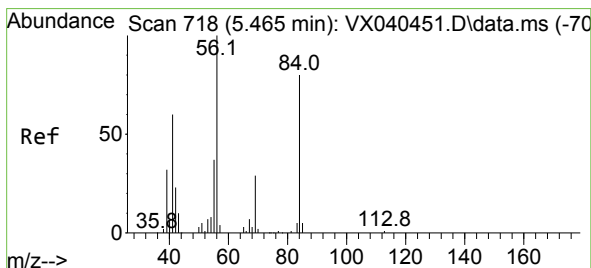
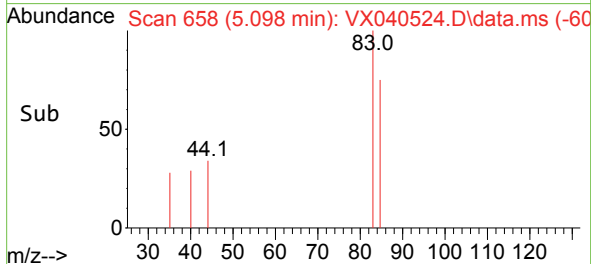
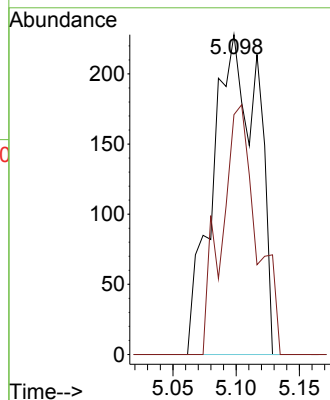
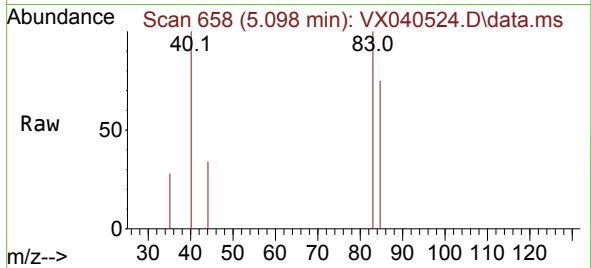




#30
Chloroform
Concen: 0.326 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

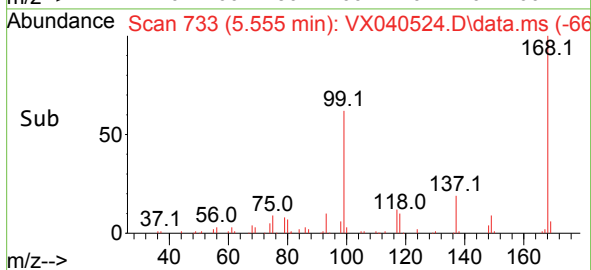
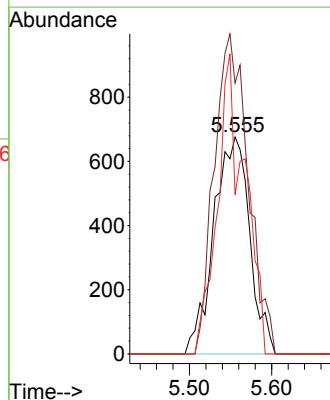
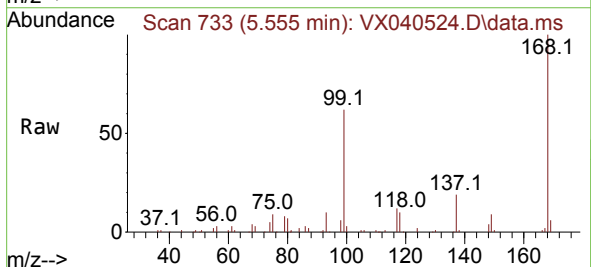
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20240227

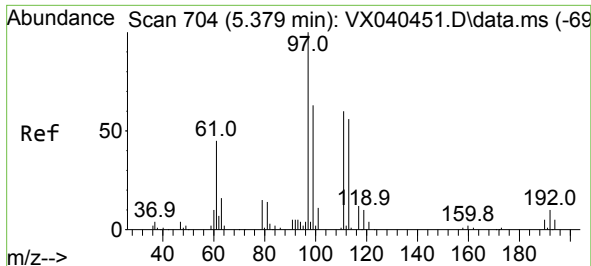
Tgt Ion: 83 Resp: 565
Ion Ratio Lower Upper
83 100
85 75.0 50.3 75.5



#31
Cyclohexane
Concen: 1.544 ug/l
RT: 5.555 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

Tgt Ion: 56 Resp: 2047
Ion Ratio Lower Upper
56 100
69 124.9 23.4 35.2#
84 73.4 65.9 98.9

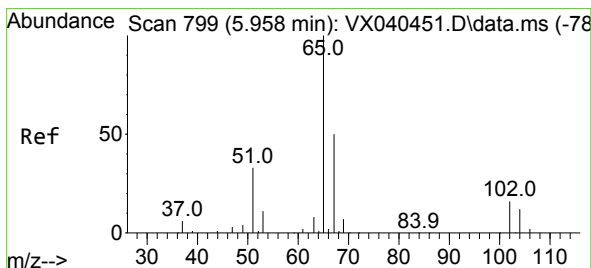
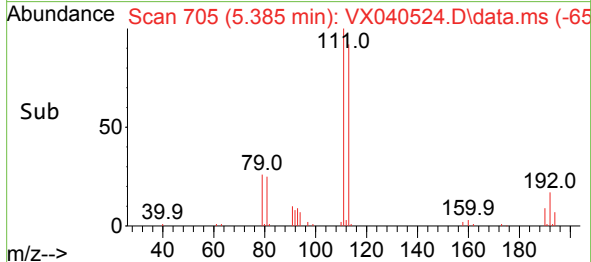
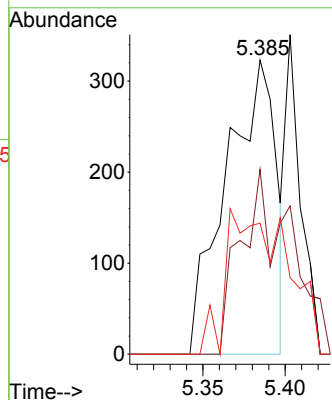
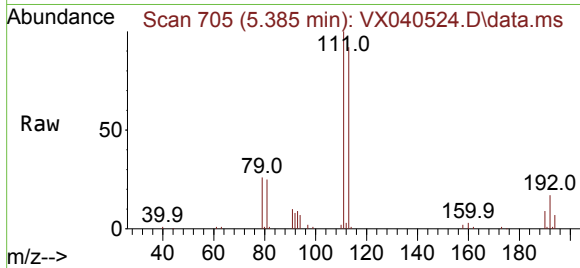




#32
 1,1,1-Trichloroethane
 Concen: 0.459 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX040524.D
 Acq: 28 Feb 2024 20:15

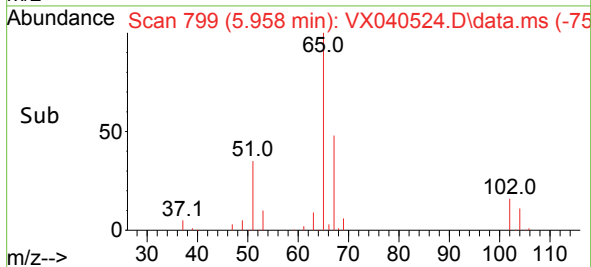
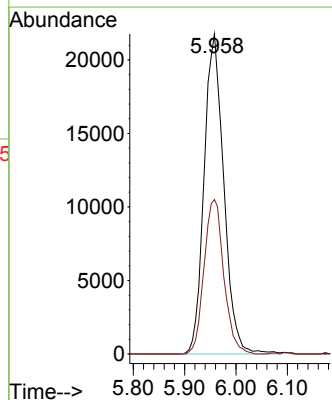
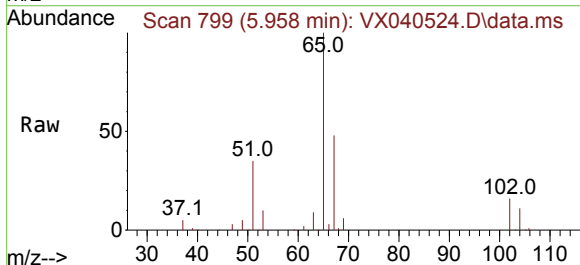
Instrument :
 MSVOA_X
 ClientSampleId :
 TT17411-20240227

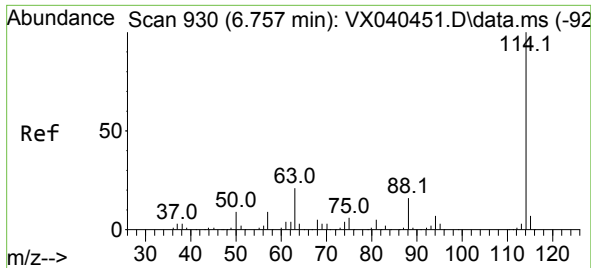
Tgt Ion: 97 Resp: 680
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.1 76.7#
 61 60.1 36.4 54.6#



#33
 1,2-Dichloroethane-d4
 Concen: 49.558 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: VX040524.D
 Acq: 28 Feb 2024 20:15

Tgt Ion: 65 Resp: 58009
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 100.2

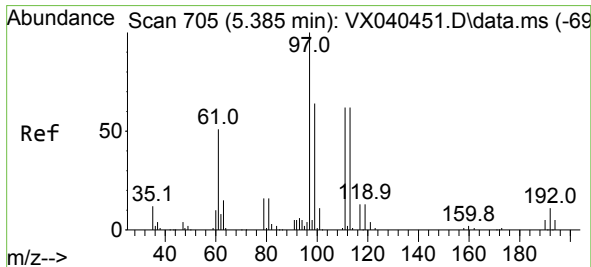
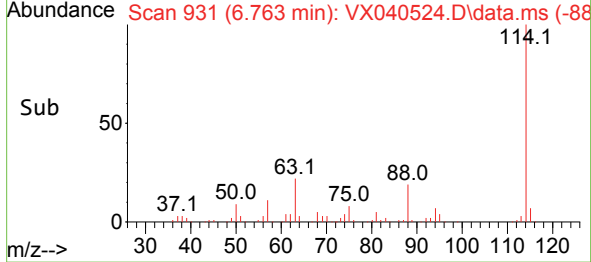
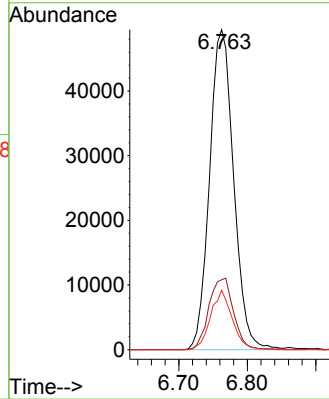
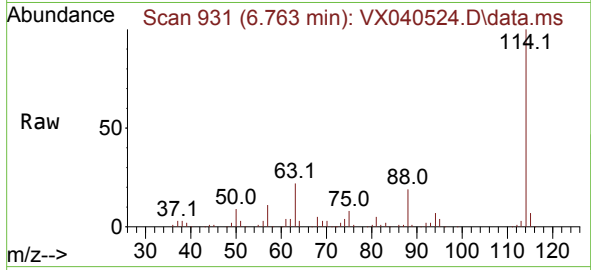




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

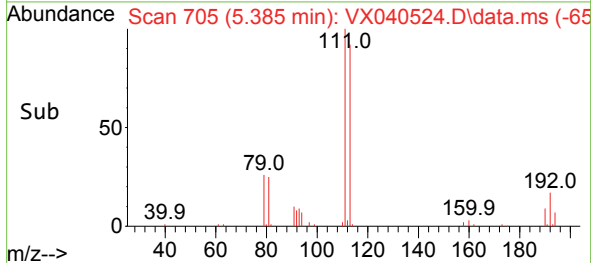
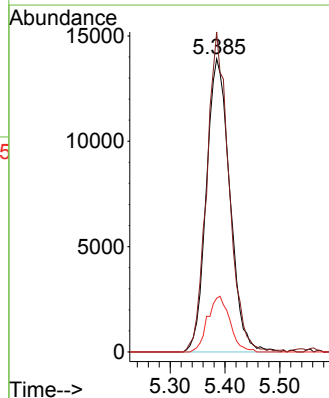
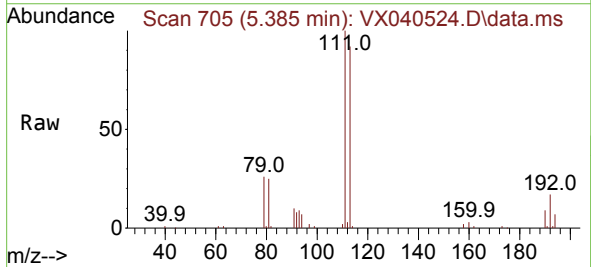
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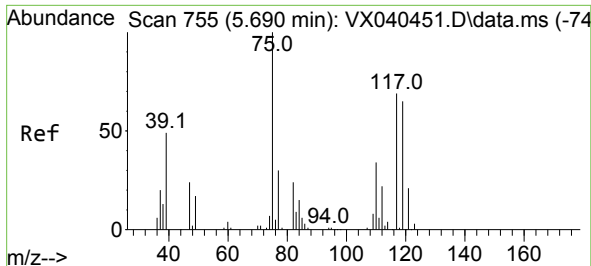
Tgt Ion:114 Resp: 120618
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.0
88 18.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.416 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.001 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

Tgt Ion:113 Resp: 41449
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.0 13.3 19.9

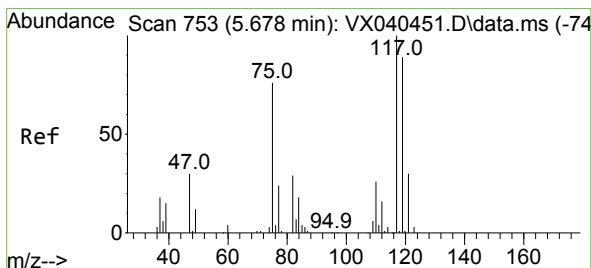
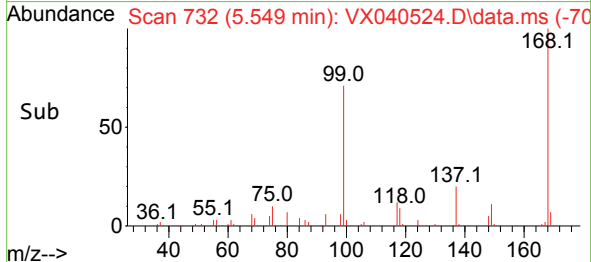
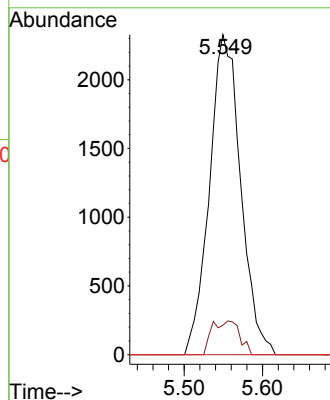
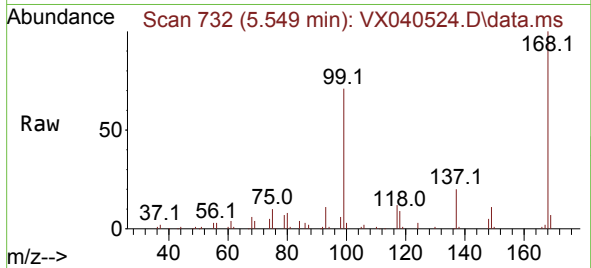




#36
1,1-Dichloropropene
Concen: 4.989 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.141 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

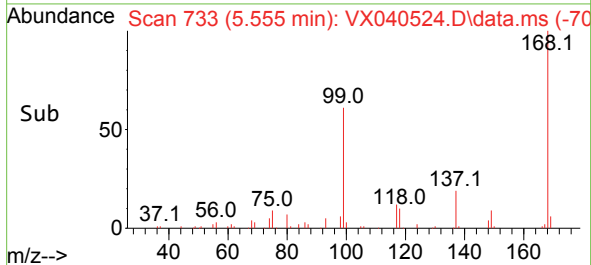
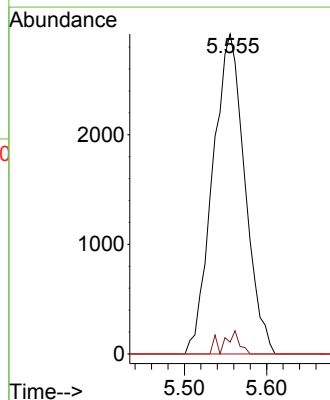
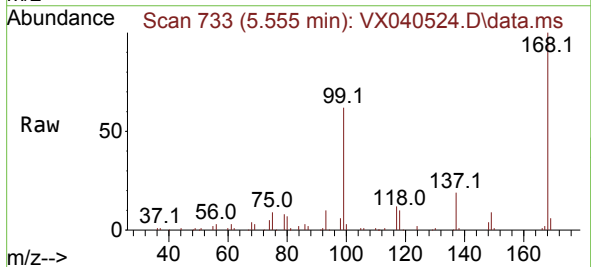
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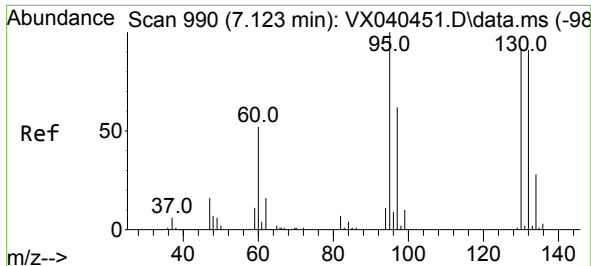
Tgt Ion: 75 Resp: 6447
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

Tgt Ion: 117 Resp: 7919
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#





#44

Trichloroethene

Concen: 2.663 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.001 min

Lab File: VX040524.D

Acq: 28 Feb 2024 20:15

Instrument :

MSVOA_X

ClientSampleId :

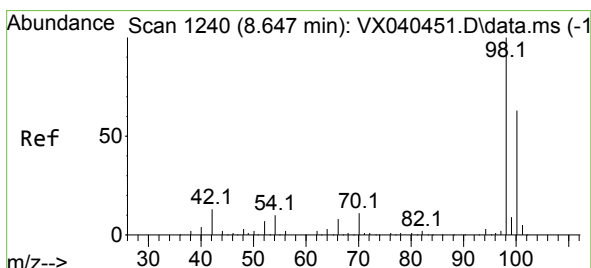
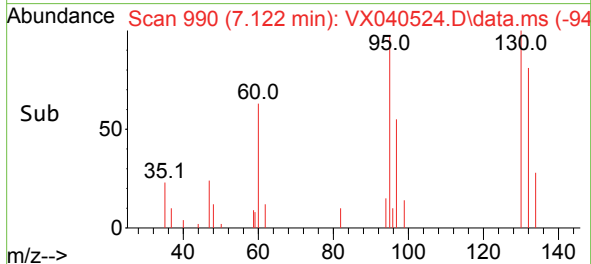
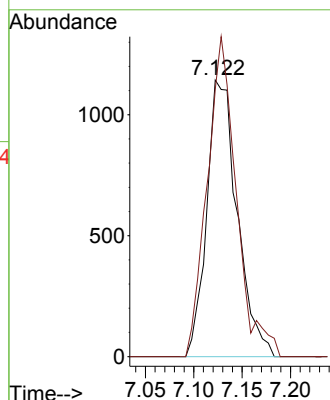
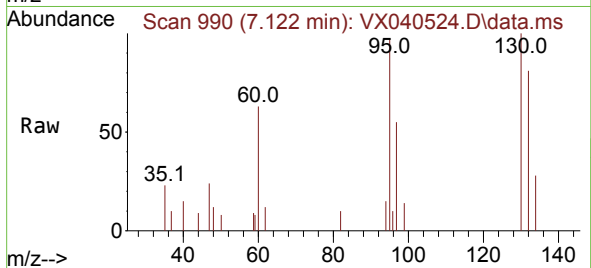
TT17411-20240227

Tgt Ion:130 Resp: 2506

Ion Ratio Lower Upper

130 100

95 96.6 0.0 204.4



#50

Toluene-d8

Concen: 49.122 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.001 min

Lab File: VX040524.D

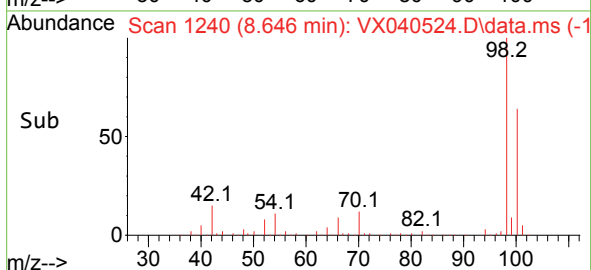
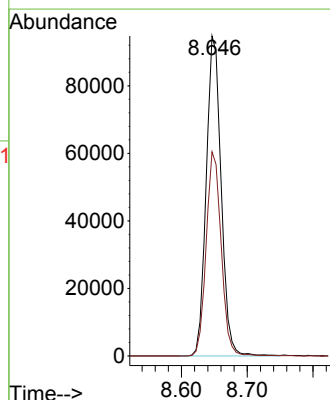
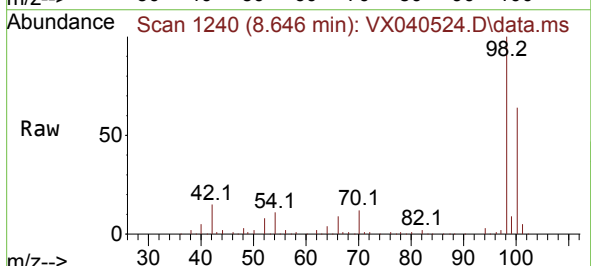
Acq: 28 Feb 2024 20:15

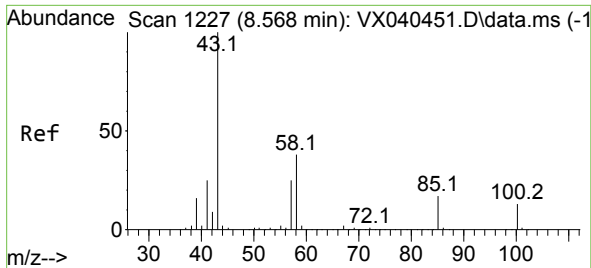
Tgt Ion: 98 Resp: 149558

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7

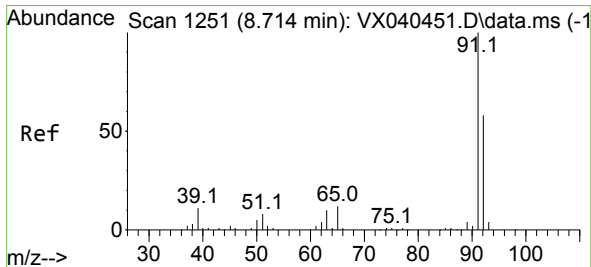
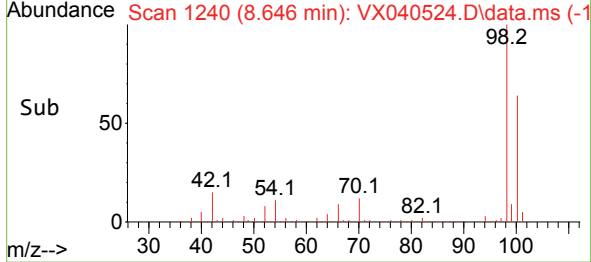
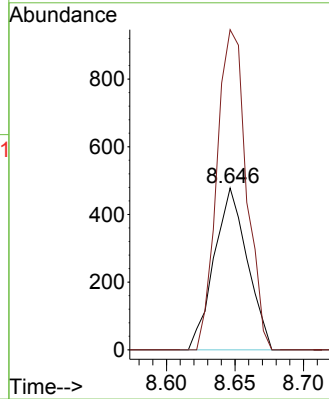
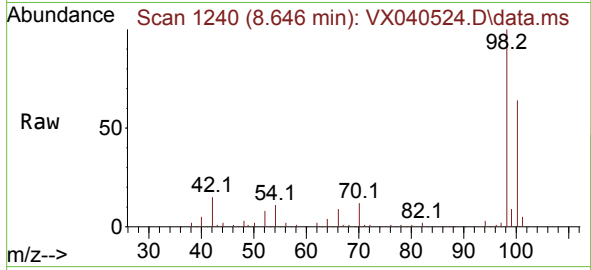




#51
4-Methyl-2-Pentanone
Concen: 0.550 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

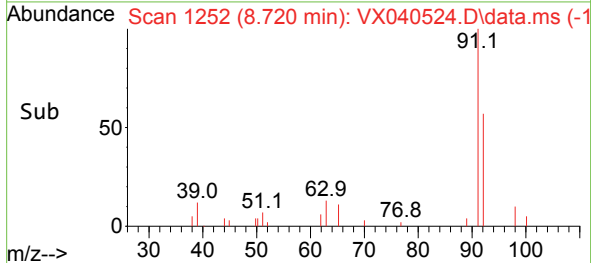
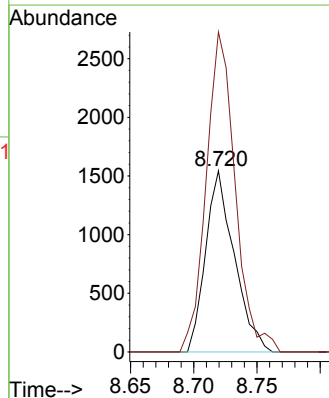
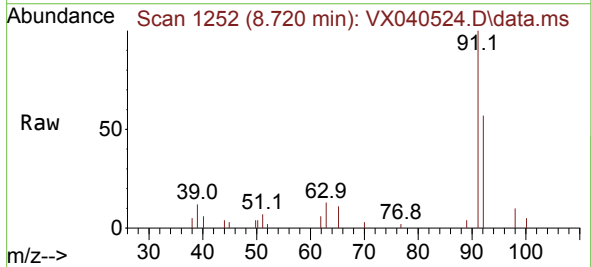
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20240227

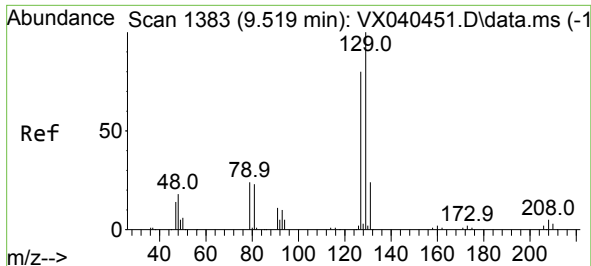
Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 176.6 30.4 45.6#



#52
Toluene
Concen: 1.135 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

Tgt Ion: 92 Resp: 2437
Ion Ratio Lower Upper
92 100
91 178.6 134.2 201.2

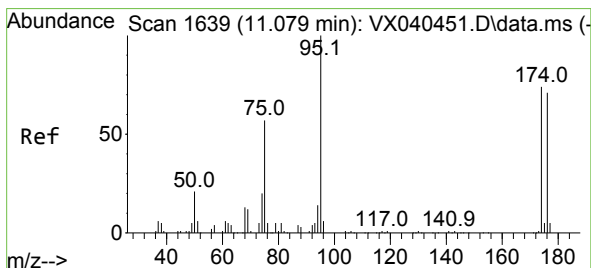
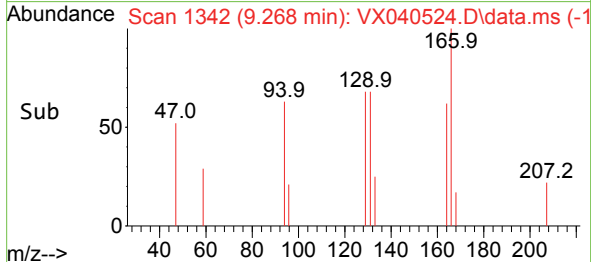
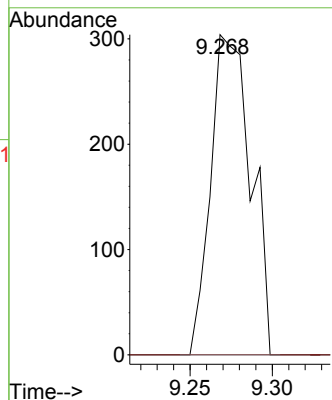
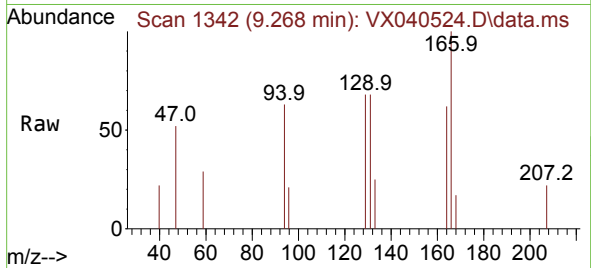




#60
Dibromochloromethane
Concen: 0.535 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

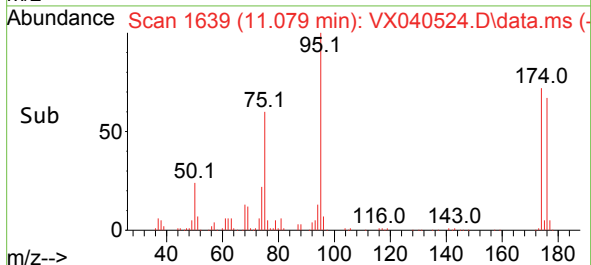
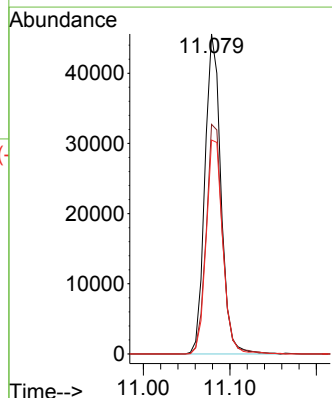
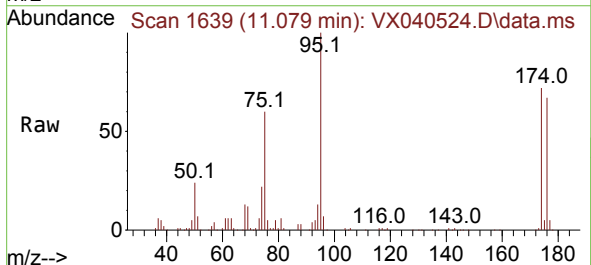
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20240227

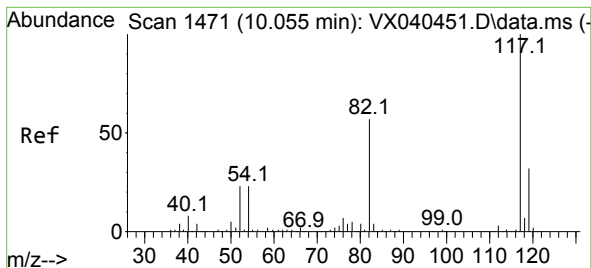
Tgt Ion:129 Resp: 518
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.400 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

Tgt Ion: 95 Resp: 58493
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 69.5 0.0 131.0

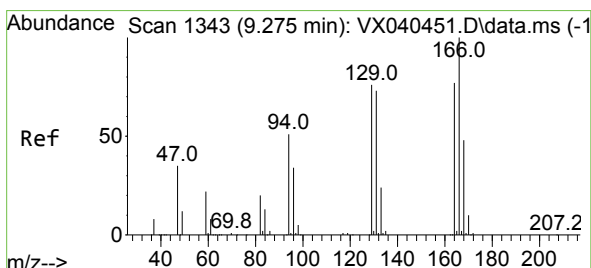
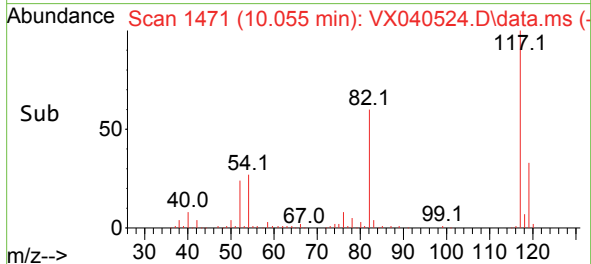
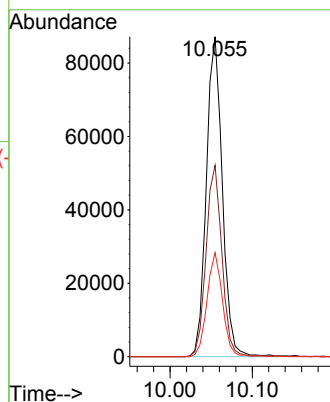
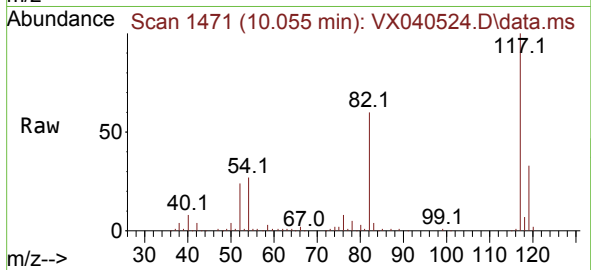




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.001 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

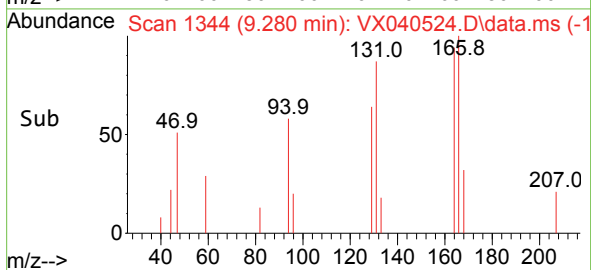
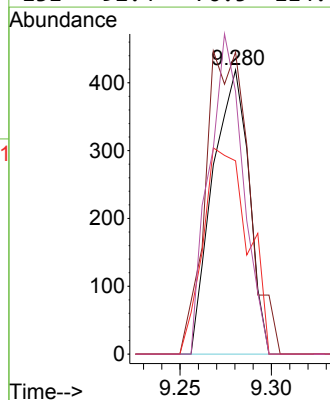
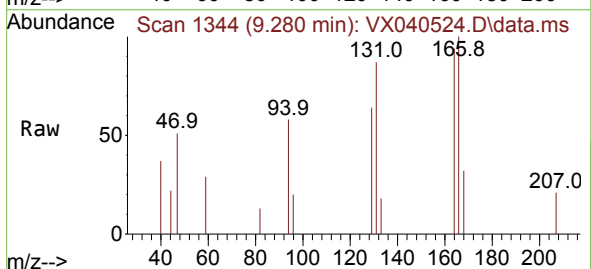
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20240227

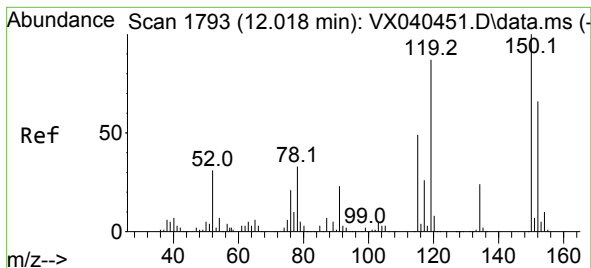
Tgt Ion:117 Resp: 117781
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 0.699 ug/l
RT: 9.280 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX040524.D
Acq: 28 Feb 2024 20:15

Tgt Ion:164 Resp: 578
Ion Ratio Lower Upper
164 100
166 106.2 102.7 154.1
129 68.0 80.4 120.6#
131 92.4 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040524.D

Acq: 28 Feb 2024 20:15

Instrument :

MSVOA_X

ClientSampleId :

TT17411-20240227

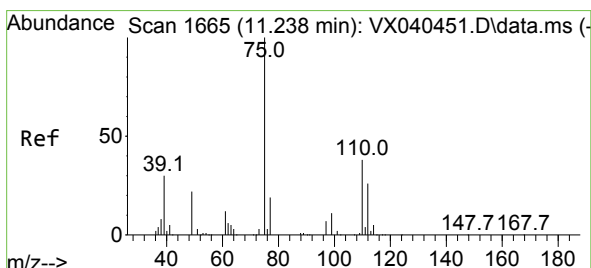
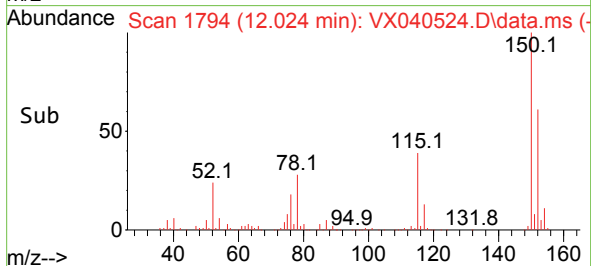
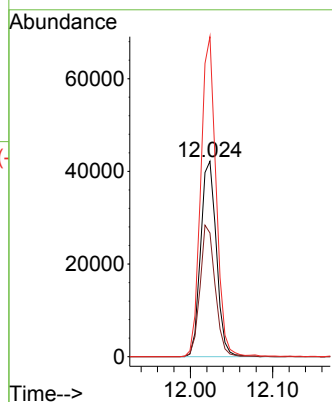
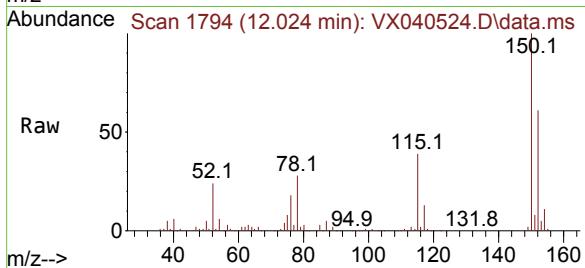
Tgt Ion:152 Resp: 56280

Ion Ratio Lower Upper

152 100

115 64.8 43.3 129.9

150 159.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.322 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040524.D

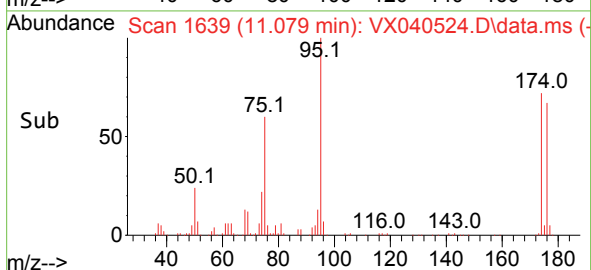
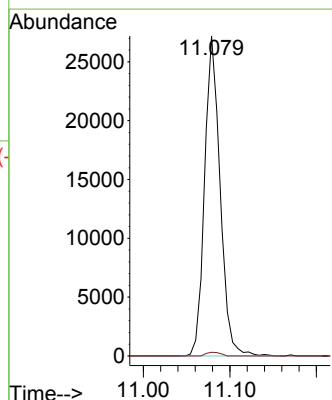
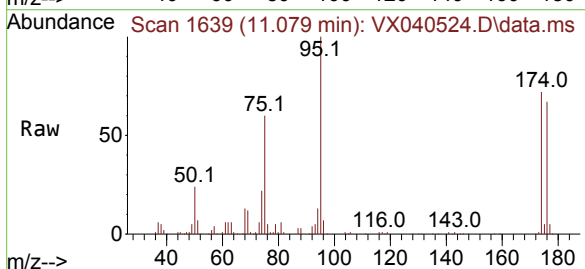
Acq: 28 Feb 2024 20:15

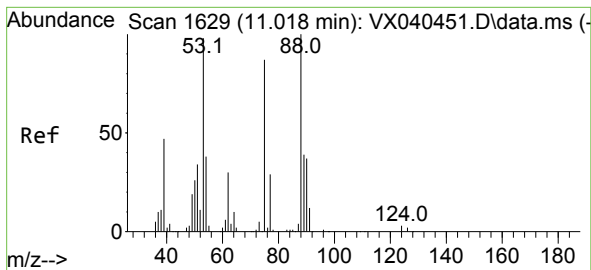
Tgt Ion: 75 Resp: 33842

Ion Ratio Lower Upper

75 100

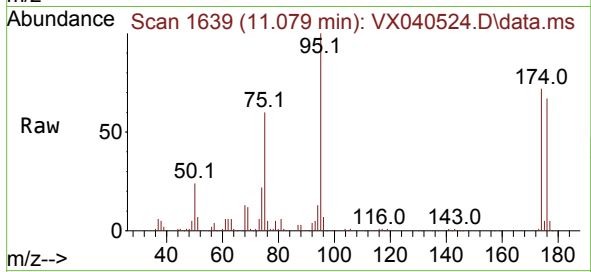
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.205 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040524.D
 Acq: 28 Feb 2024 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 TT17411-20240227



Tgt Ion: 75 Resp: 33842
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

