

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040746.D
 Acq On : 21 Mar 2024 16:36
 Operator : JC/MD
 Sample : VX0321WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBL01

Quant Time: Mar 22 02:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

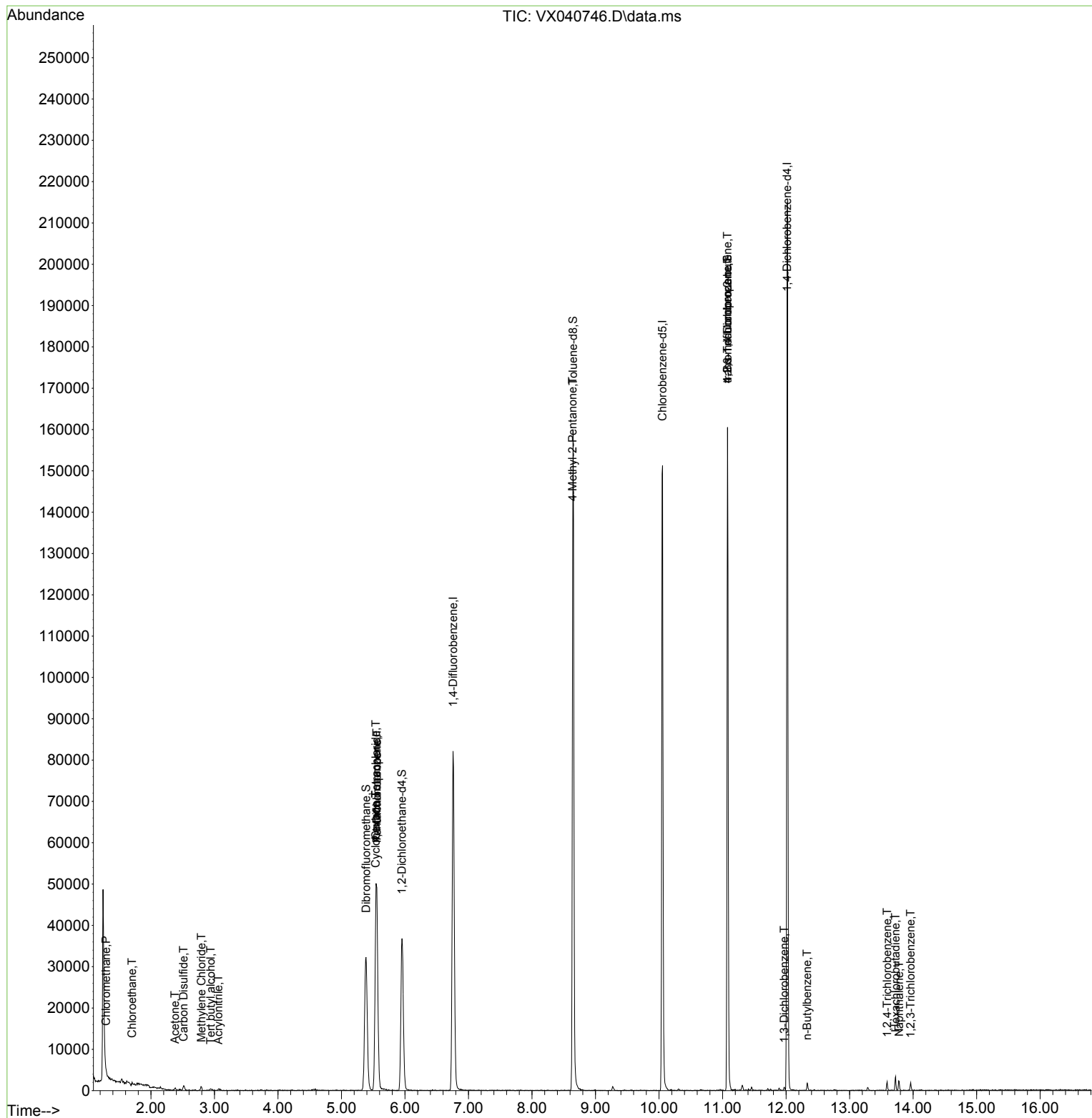
Internal Standards						
1) Pentafluorobenzene	5.556	168	46007	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	77968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	66993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	39809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	38725	50.059	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.120%	
35) Dibromofluoromethane	5.385	113	27561	47.242	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.480%	
50) Toluene-d8	8.646	98	93110	46.611	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.220%	
62) 4-Bromofluorobenzene	11.079	95	39824	50.459	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	184	0.302	ug/l #	43
6) Chloroethane	1.703	64	373	0.920	ug/l #	43
11) Tert butyl alcohol	2.940	59	352	2.842	ug/l #	78
15) Acrylonitrile	3.062	53	332	1.086	ug/l #	70
16) Acetone	2.379	43	651	2.376	ug/l #	81
17) Carbon Disulfide	2.513	76	1119	0.717	ug/l	97
20) Methylene Chloride	2.794	84	365	0.609	ug/l #	72
31) Cyclohexane	5.537	56	1176	1.279	ug/l #	28
36) 1,1-Dichloropropene	5.556	75	4143	4.823	ug/l #	49
38) Carbon Tetrachloride	5.543	117	4960	5.130	ug/l #	14
51) 4-Methyl-2-Pentanone	8.640	43	543	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	23931	27.951	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23931	70.710	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	290	0.208	ug/l	93
89) n-Butylbenzene	12.329	91	900	0.333	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	614	0.630	ug/l	81
94) Hexachlorobutadiene	13.725	225	521	1.356	ug/l	92
95) Naphthalene	13.780	128	1821	0.590	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	638	0.666	ug/l	90

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

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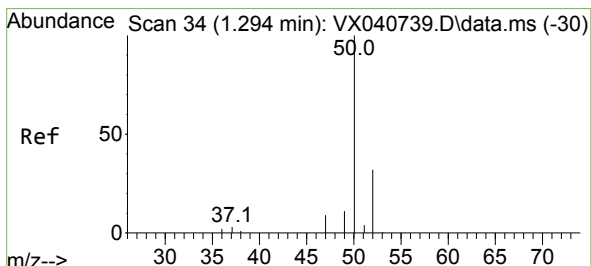
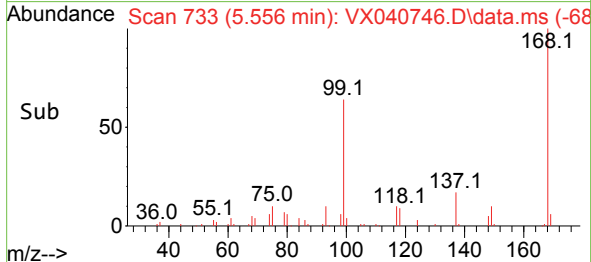
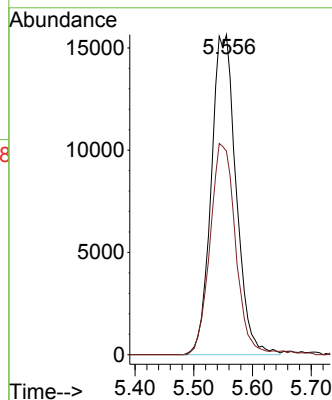
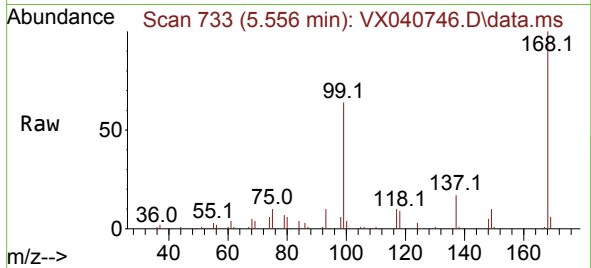




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

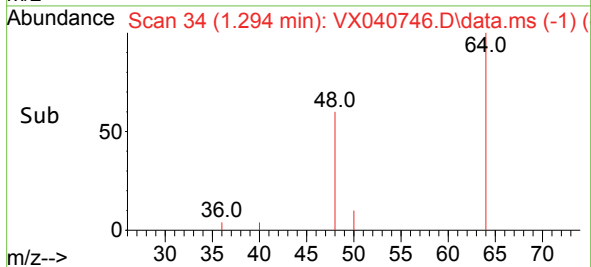
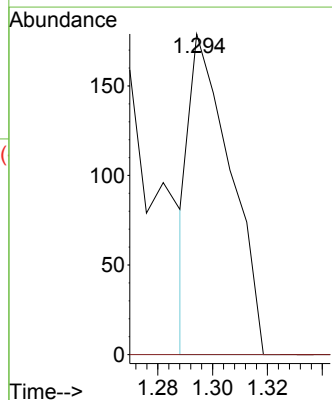
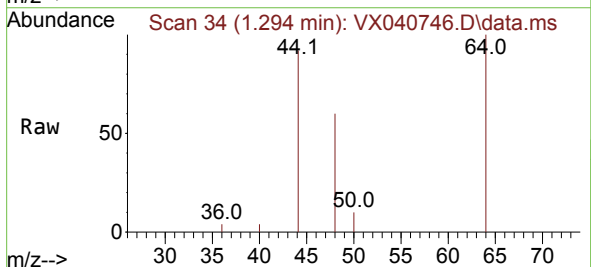
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

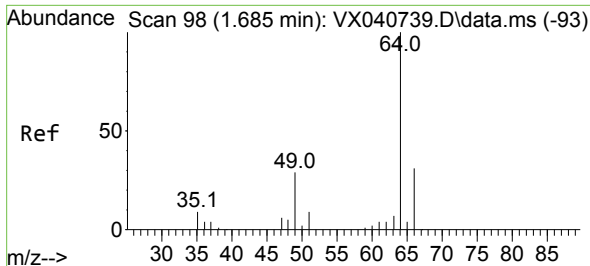
Tgt Ion:168 Resp: 46007
Ion Ratio Lower Upper
168 100
99 63.6 56.6 85.0



#3
Chloromethane
Concen: 0.302 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion: 50 Resp: 184
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

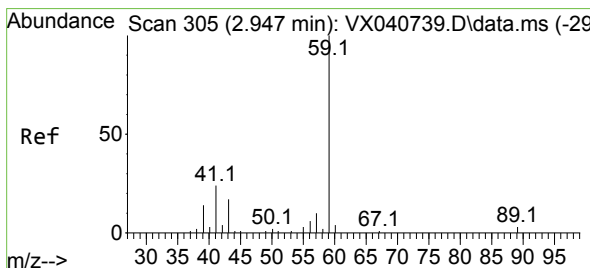
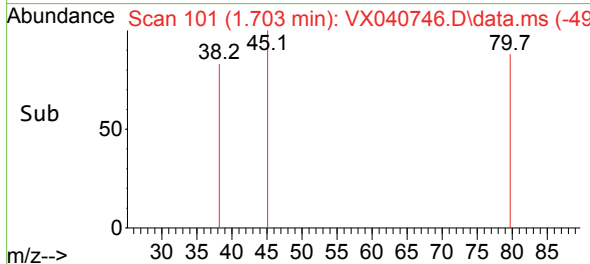
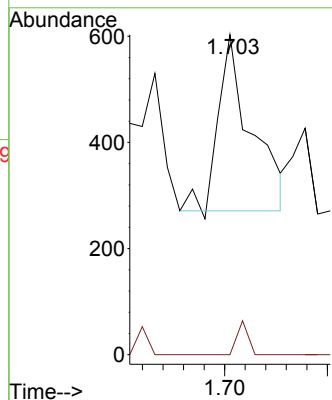
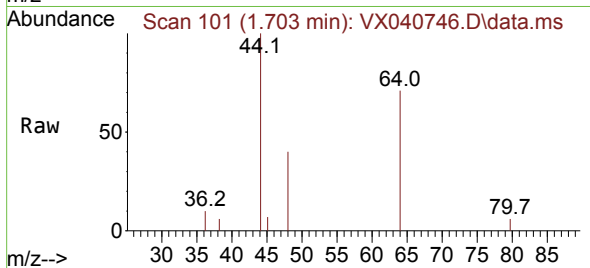




#6
Chloroethane
Concen: 0.920 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

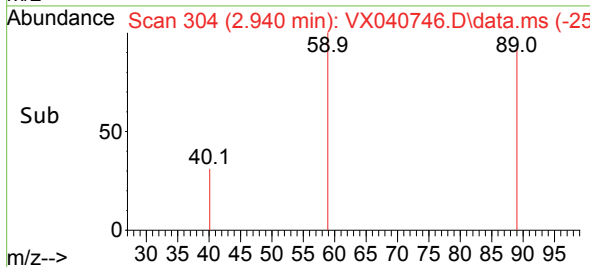
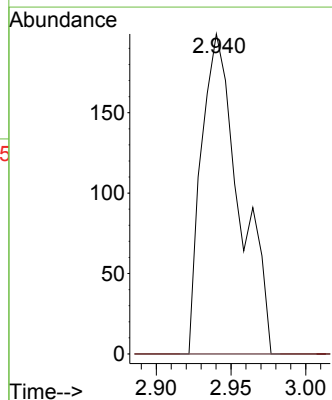
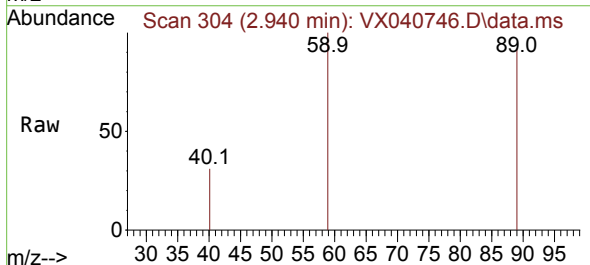
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

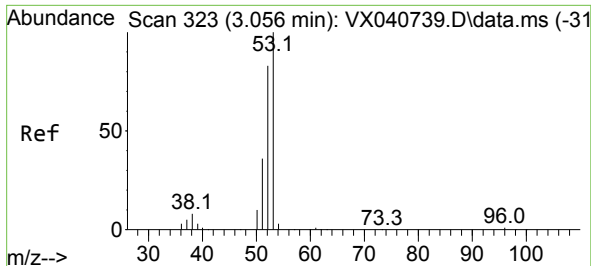
Tgt Ion: 64 Resp: 373
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.842 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.007 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

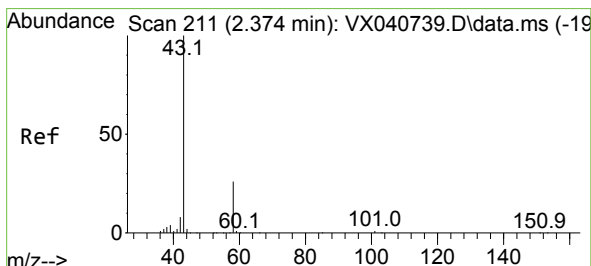
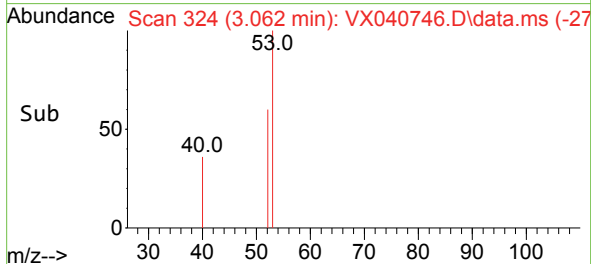
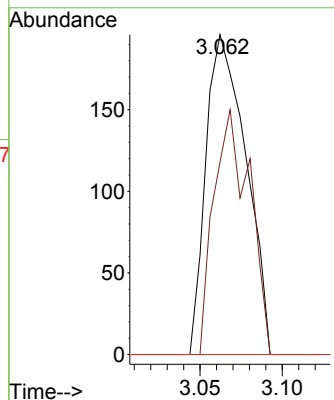
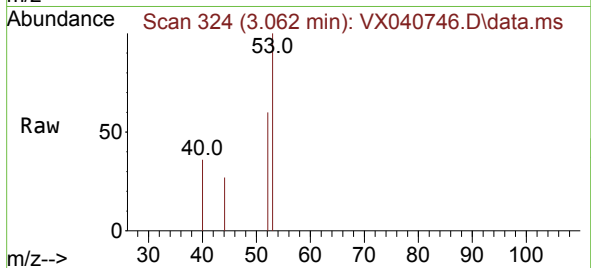




#15
Acrylonitrile
Concen: 1.086 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

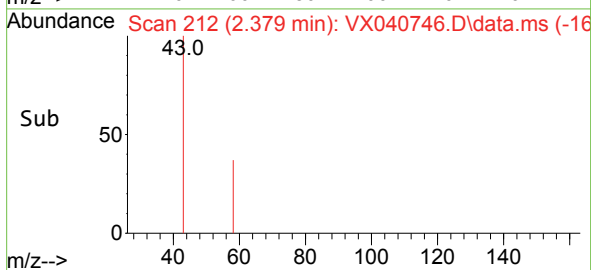
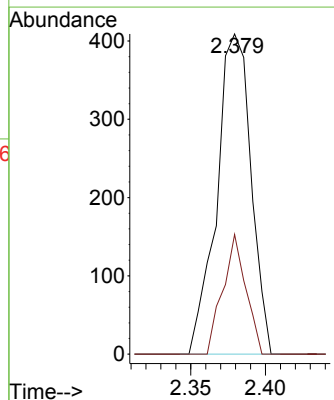
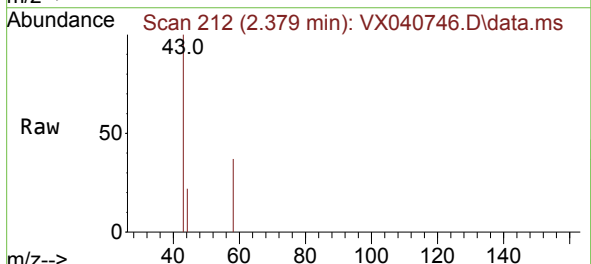
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

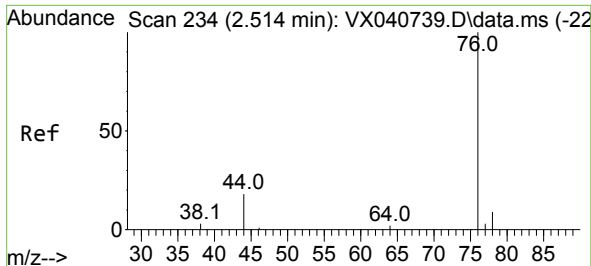
Tgt Ion: 53 Resp: 332
Ion Ratio Lower Upper
53 100
52 68.7 66.0 99.0
51 0.0 29.8 44.6#



#16
Acetone
Concen: 2.376 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.005 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
58 37.4 21.9 32.9#

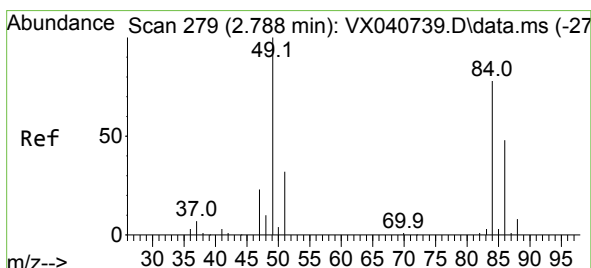
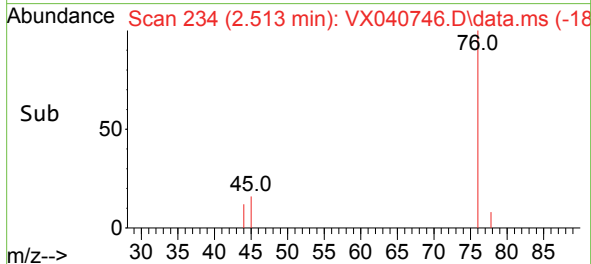
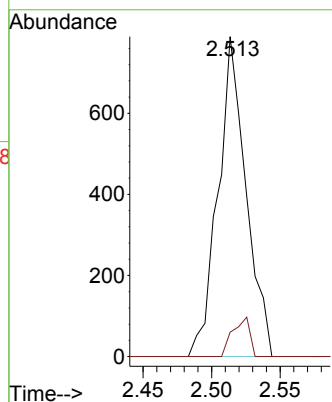
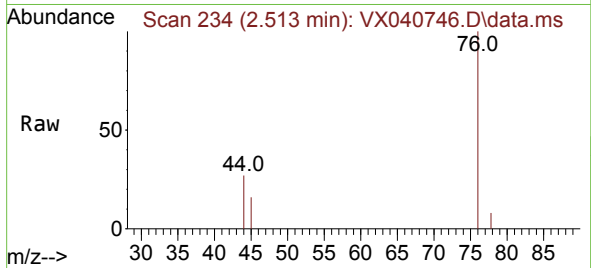




#17
Carbon Disulfide
Concen: 0.717 ug/l
RT: 2.513 min Scan# 211
Delta R.T. -0.001 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

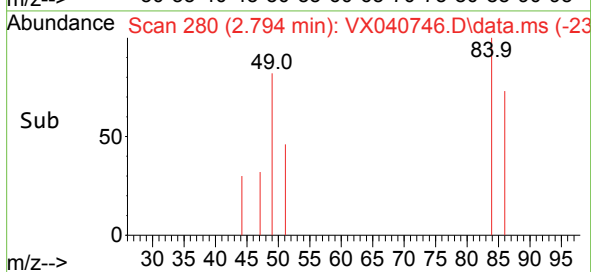
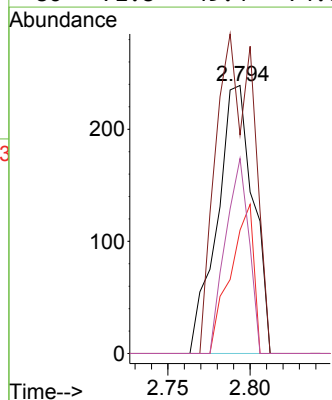
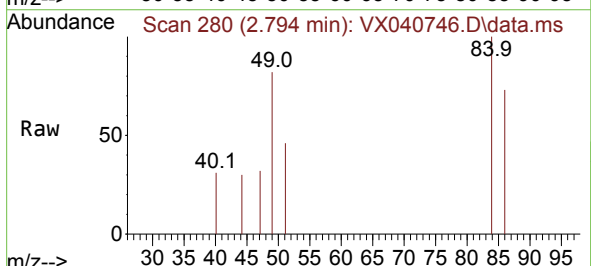
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

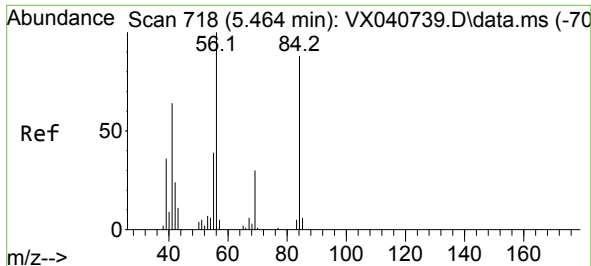
Tgt Ion: 76 Resp: 1119
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.6



#20
Methylene Chloride
Concen: 0.609 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion: 84 Resp: 365
Ion Ratio Lower Upper
84 100
49 81.6 103.6 155.4#
51 46.0 33.8 50.6
86 72.8 49.4 74.0

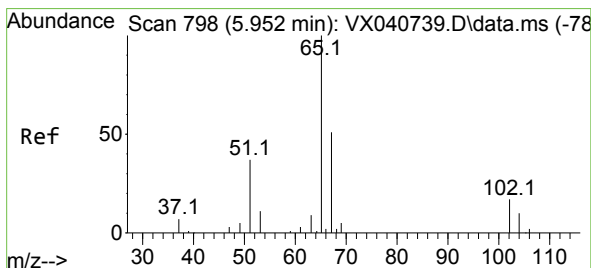
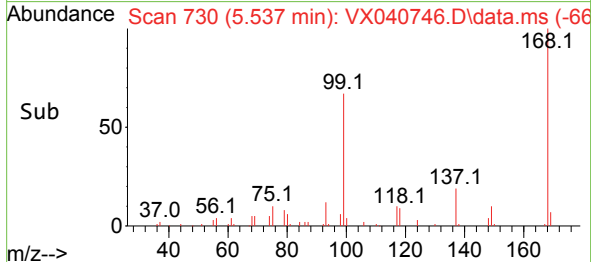
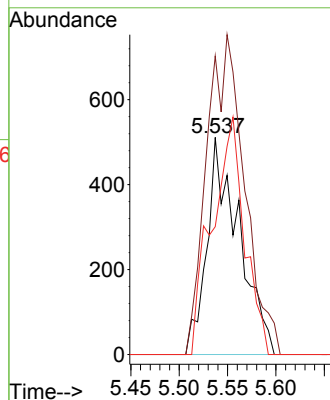
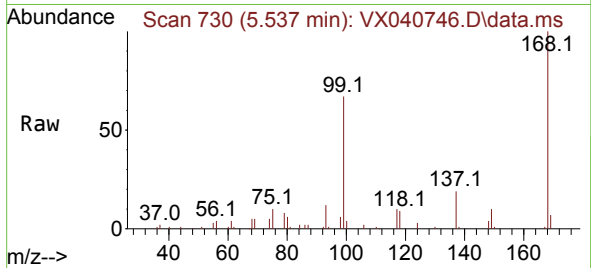




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

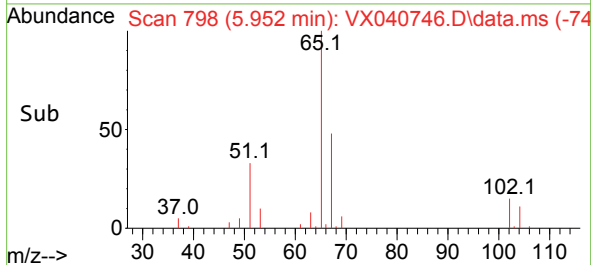
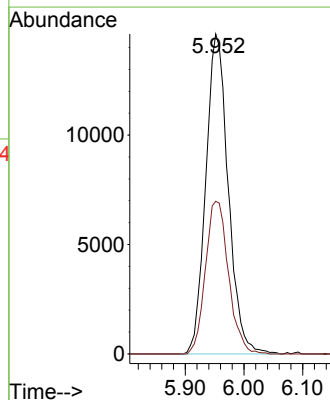
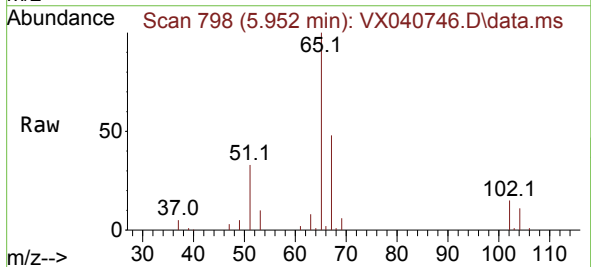
Instrument :
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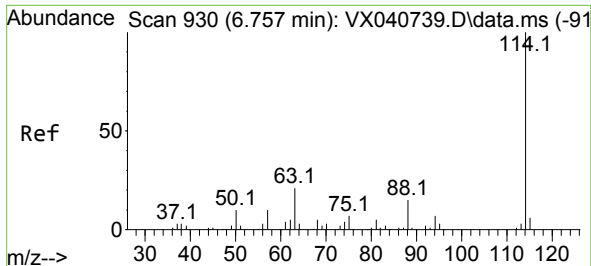
Tgt Ion: 56 Resp: 1176
Ion Ratio Lower Upper
56 100
69 137.6 23.4 35.2#
84 58.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.059 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion: 65 Resp: 38725
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.2

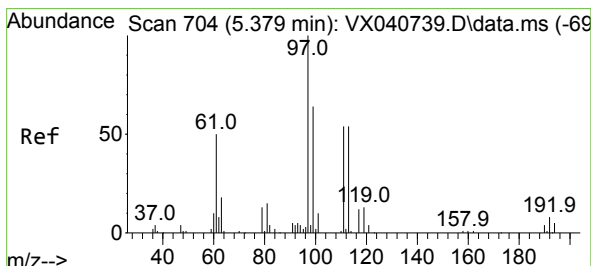
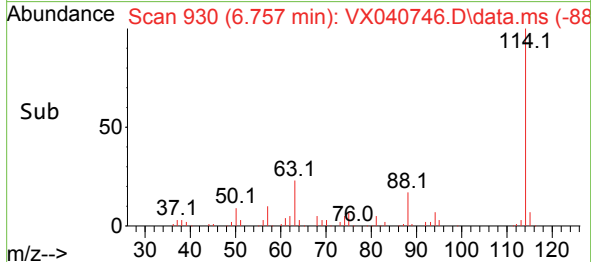
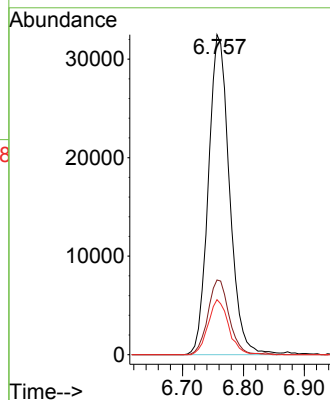
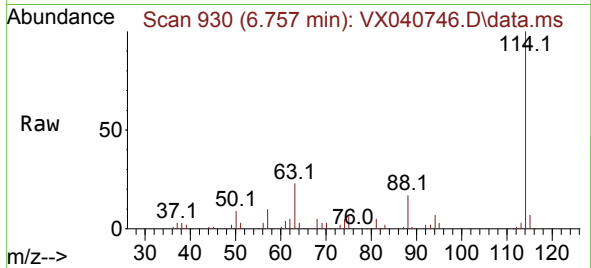




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

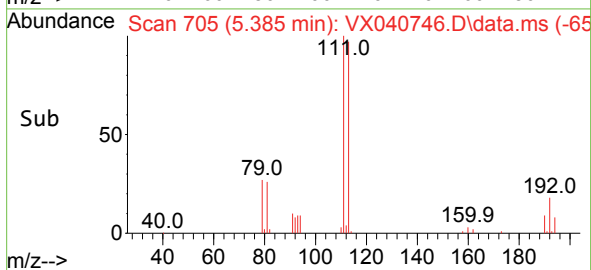
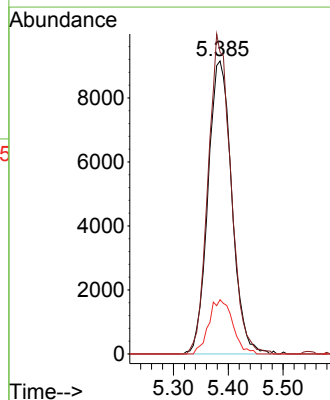
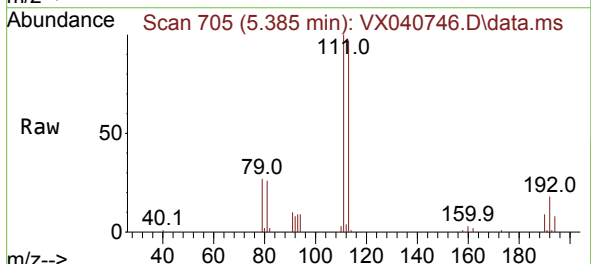
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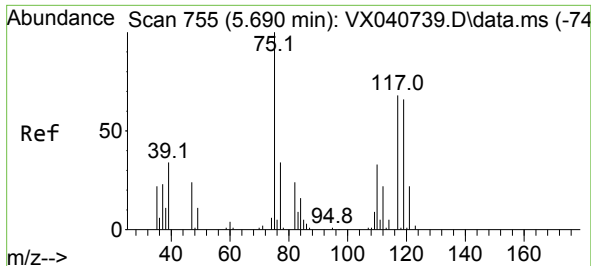
Tgt Ion:114 Resp: 77968
Ion Ratio Lower Upper
114 100
63 23.4 0.0 45.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.242 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion:113 Resp: 27561
Ion Ratio Lower Upper
113 100
111 104.4 82.9 124.3
192 18.6 13.3 19.9

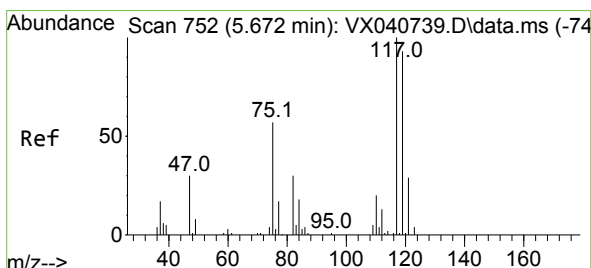
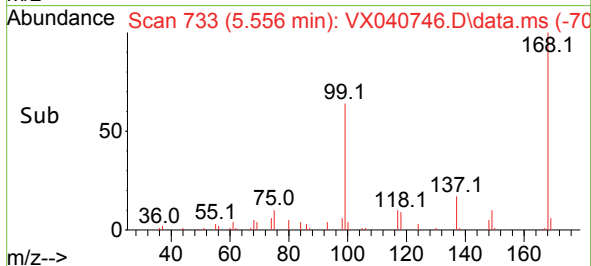
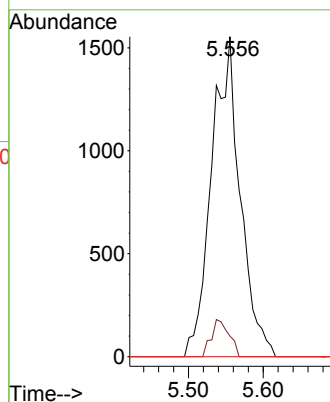
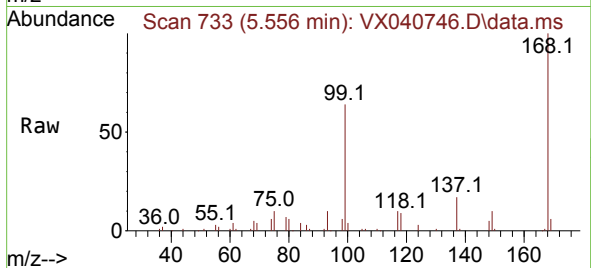




#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

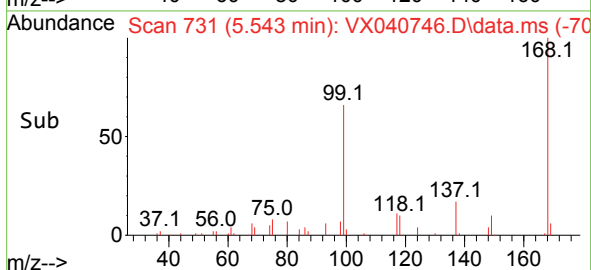
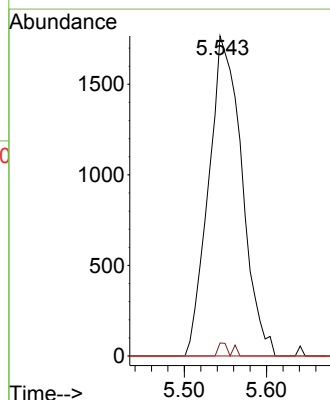
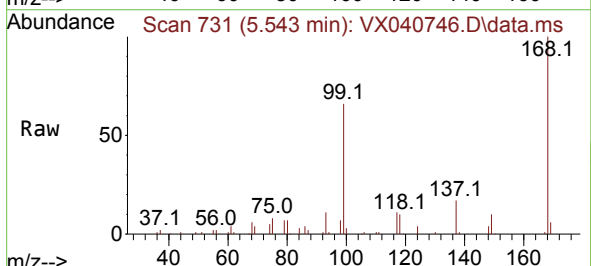
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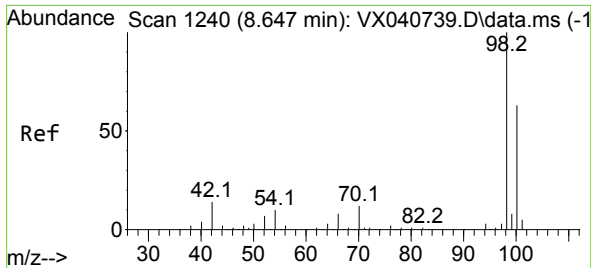
Tgt Ion: 75 Resp: 4143
Ion Ratio Lower Upper
75 100
110 7.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.130 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion: 117 Resp: 4960
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#

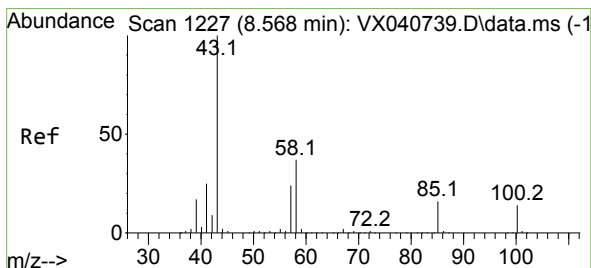
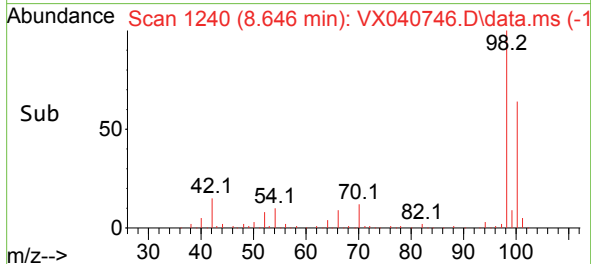
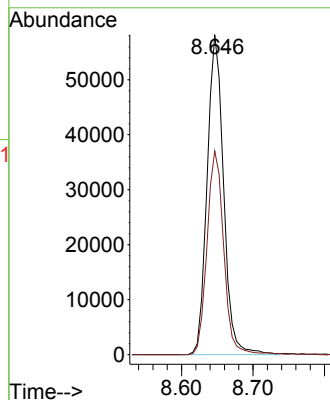
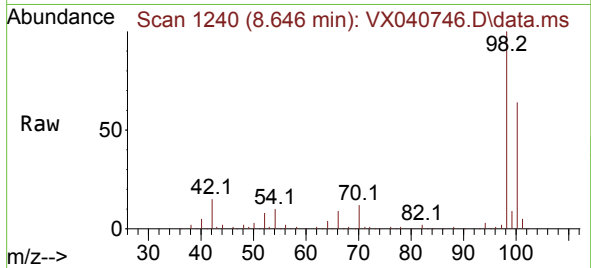




#50
Toluene-d8
Concen: 46.611 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

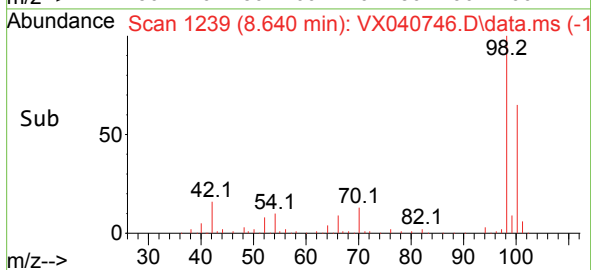
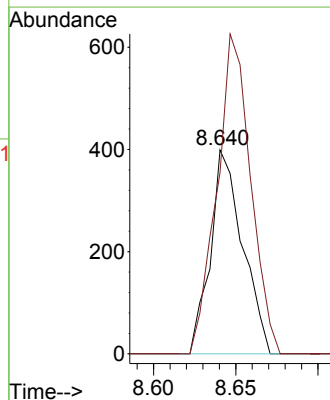
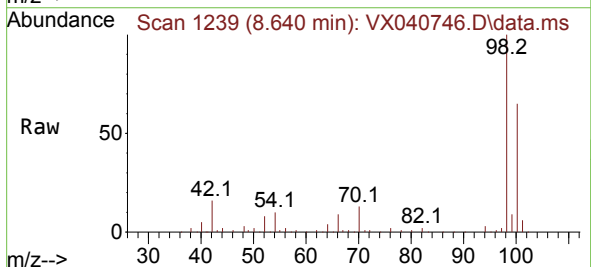
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

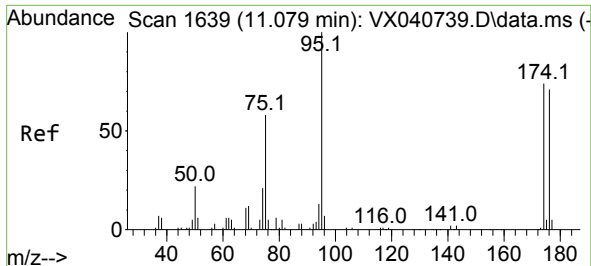
Tgt Ion: 98 Resp: 93110
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. 0.073 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
58 164.6 30.4 45.6#

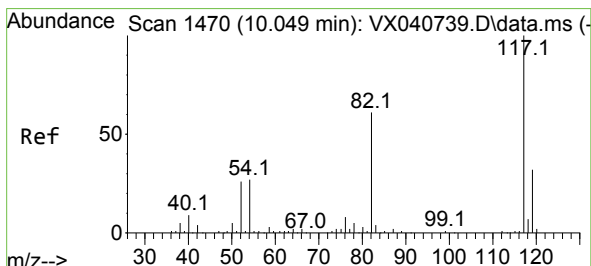
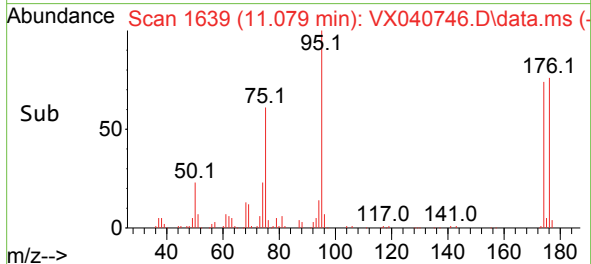
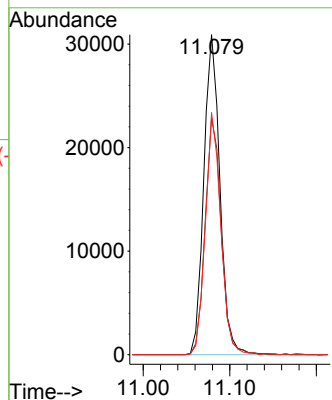
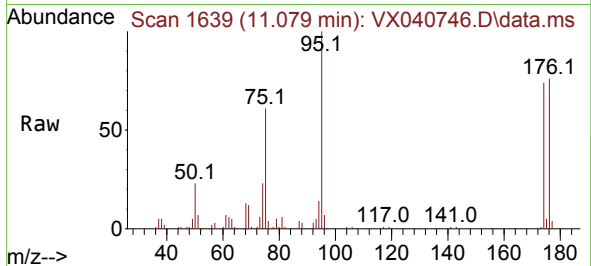




#62
4-Bromofluorobenzene
Concen: 50.459 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

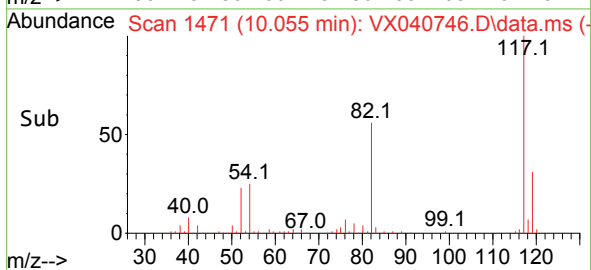
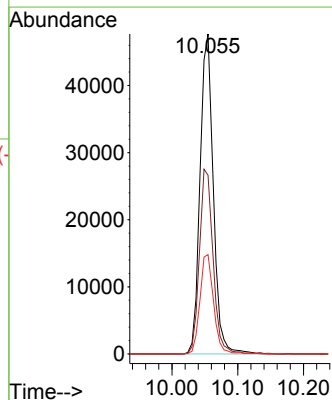
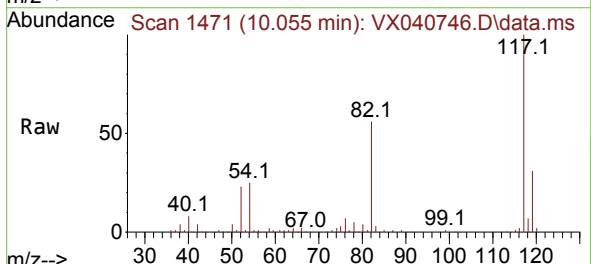
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

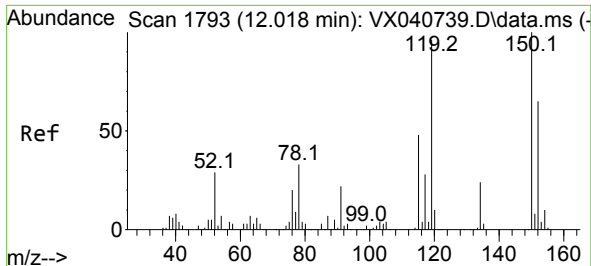
Tgt Ion: 95 Resp: 39824
Ion Ratio Lower Upper
95 100
174 74.2 0.0 135.6
176 72.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040746.D
Acq: 21 Mar 2024 16:36

Tgt Ion: 117 Resp: 66993
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 31.1 25.5 38.3

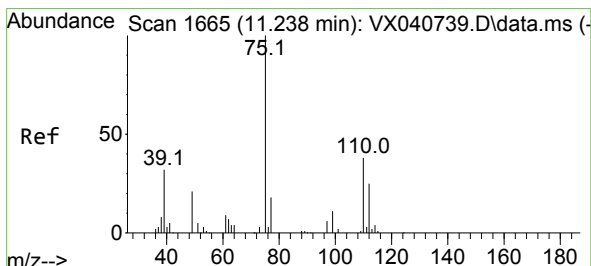
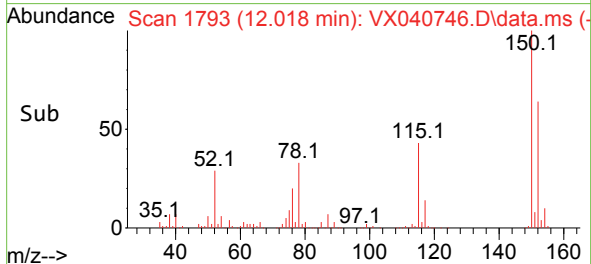
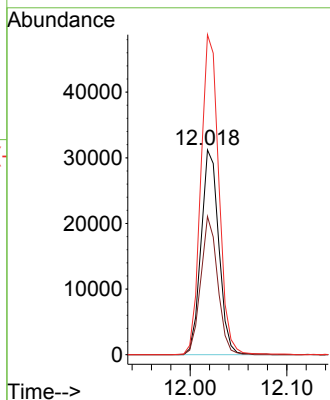
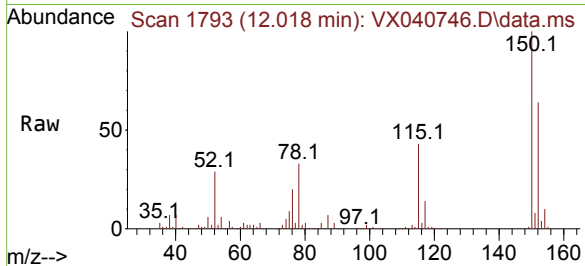




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX040746.D
 Acq: 21 Mar 2024 16:36

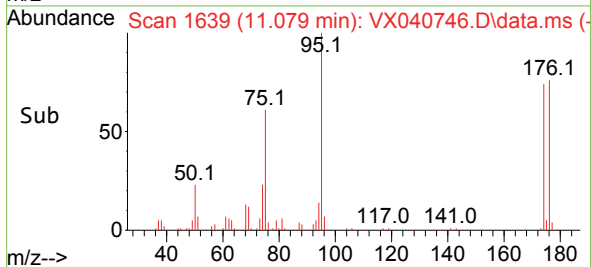
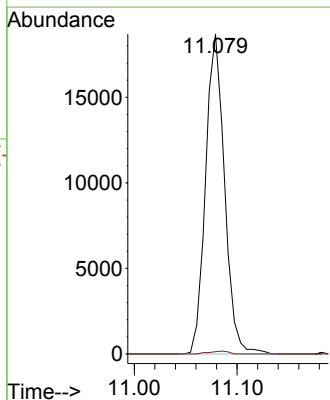
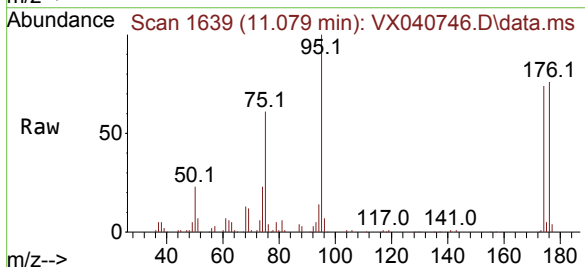
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBL01

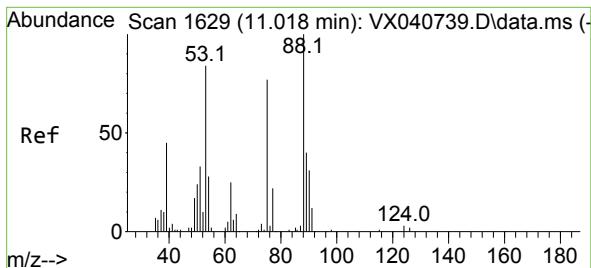
Tgt Ion:152 Resp: 39809
 Ion Ratio Lower Upper
 152 100
 115 64.3 43.3 129.9
 150 159.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 27.951 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX040746.D
 Acq: 21 Mar 2024 16:36

Tgt Ion: 75 Resp: 23931
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

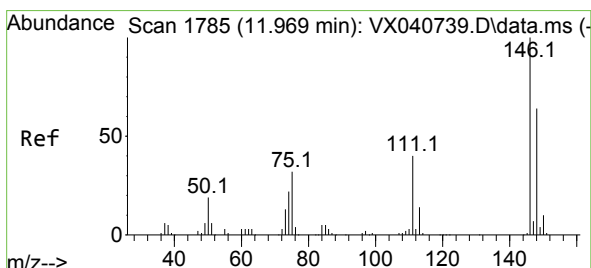
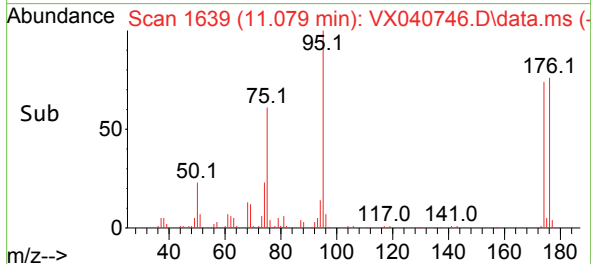
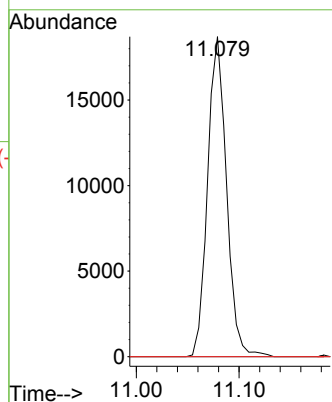
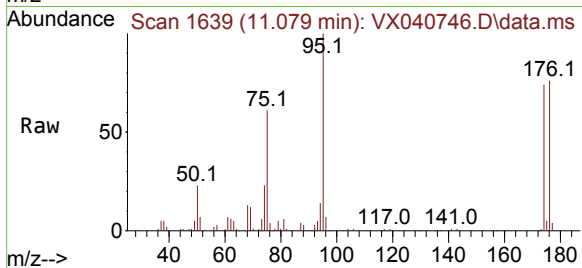




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.710 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX040746.D
 Acq: 21 Mar 2024 16:36

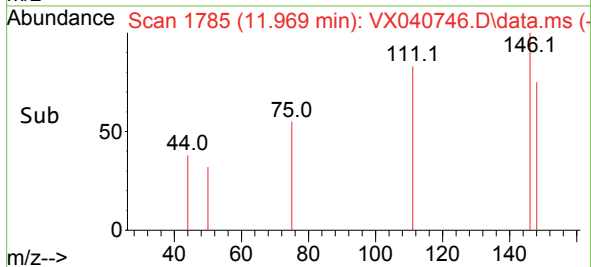
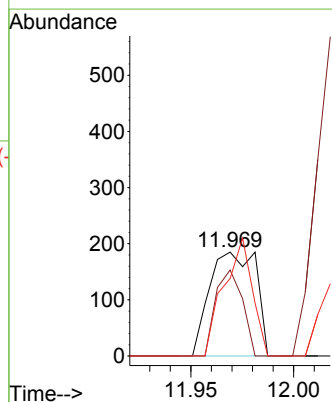
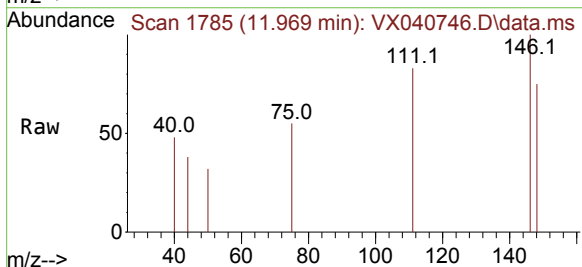
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBL01

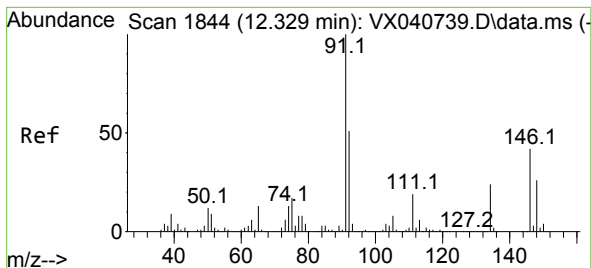
Tgt Ion: 75 Resp: 23931
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.000 min
 Lab File: VX040746.D
 Acq: 21 Mar 2024 16:36

Tgt Ion:146 Resp: 290
 Ion Ratio Lower Upper
 146 100
 111 47.6 22.1 66.1
 148 69.7 31.8 95.3





#89

n-Butylbenzene

Concen: 0.333 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX040746.D

Acq: 21 Mar 2024 16:36

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL01

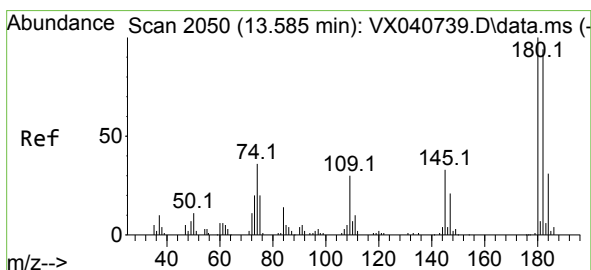
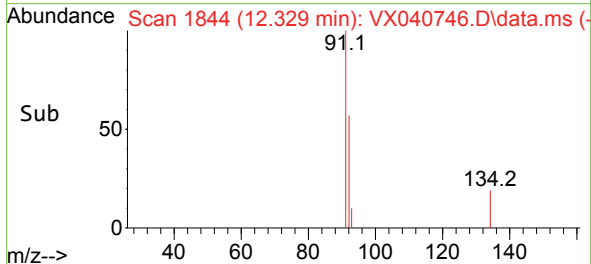
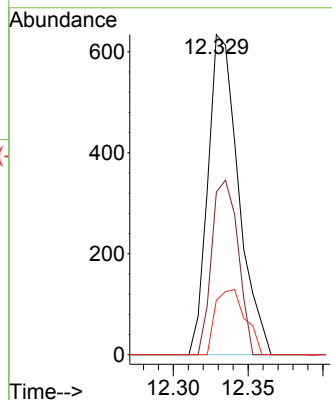
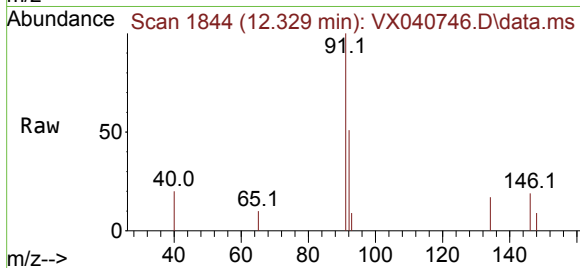
Tgt Ion: 91 Resp: 900

Ion Ratio Lower Upper

91 100

92 47.0 27.4 82.0

134 20.0 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.630 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040746.D

Acq: 21 Mar 2024 16:36

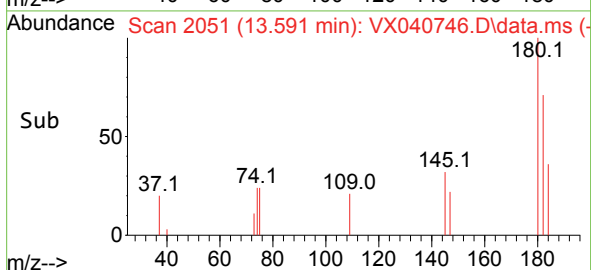
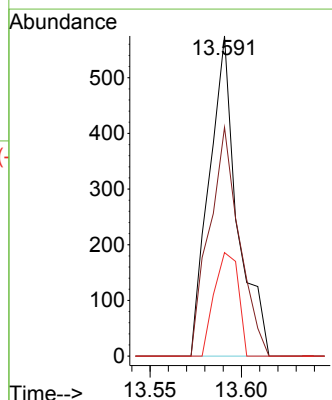
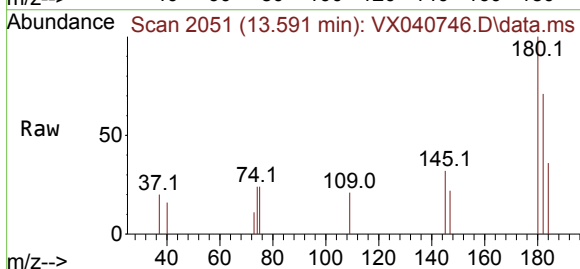
Tgt Ion:180 Resp: 614

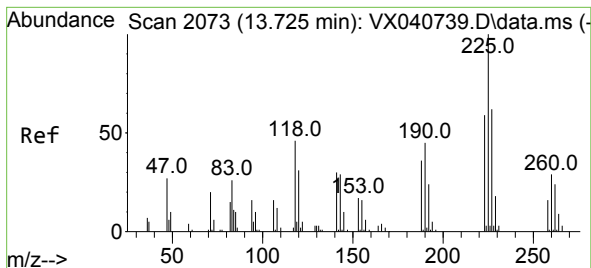
Ion Ratio Lower Upper

180 100

182 76.2 48.3 144.8

145 27.7 18.0 54.0





#94

Hexachlorobutadiene

Concen: 1.356 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX040746.D

Acq: 21 Mar 2024 16:36

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL01

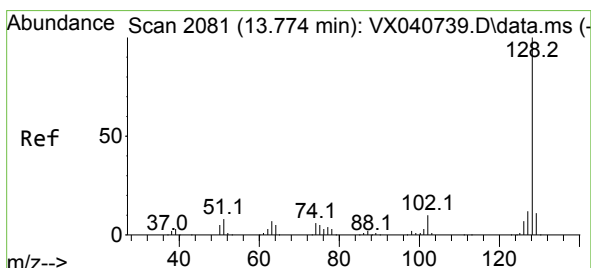
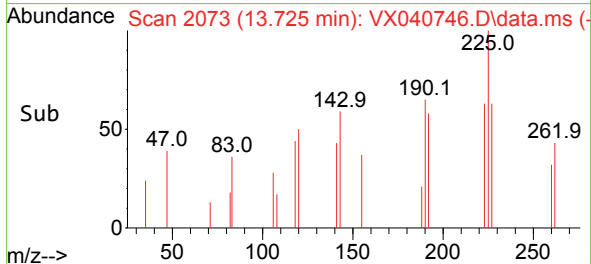
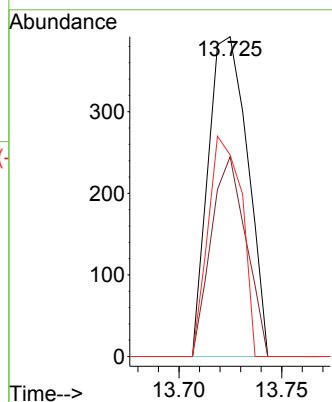
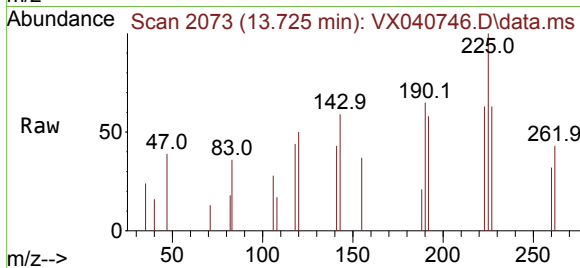
Tgt Ion:225 Resp: 521

Ion Ratio Lower Upper

225 100

223 55.7 31.1 93.2

227 58.9 32.5 97.5



#95

Naphthalene

Concen: 0.590 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040746.D

Acq: 21 Mar 2024 16:36

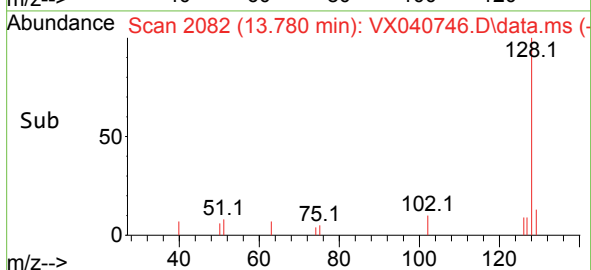
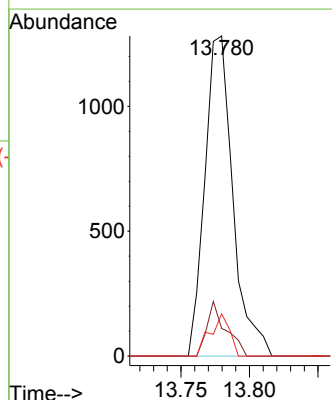
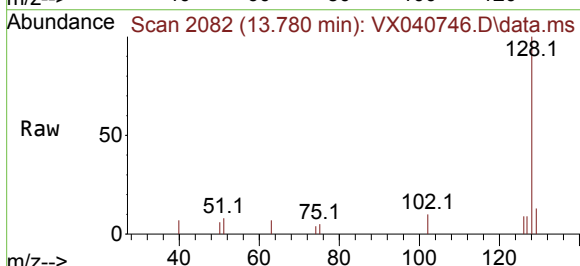
Tgt Ion:128 Resp: 1821

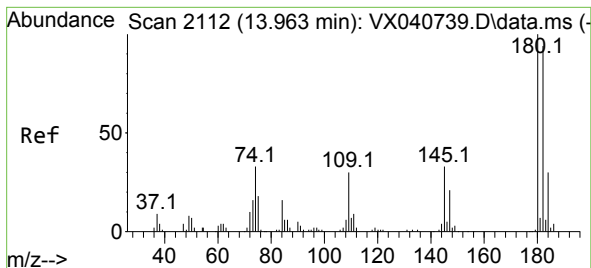
Ion Ratio Lower Upper

128 100

127 11.5 10.3 15.5

129 9.1 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.666 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040746.D

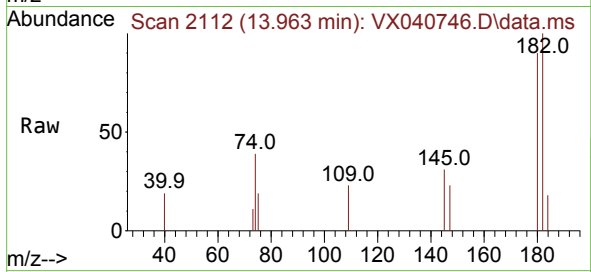
Acq: 21 Mar 2024 16:36

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL01



Tgt Ion:180 Resp: 638

Ion Ratio Lower Upper

180 100

182 89.0 46.9 140.6

145 22.4 17.8 53.5

