

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040803.D
 Acq On : 27 Mar 2024 11:18
 Operator : JC/MD
 Sample : VX0327MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327MBL01

Quant Time: Mar 28 03:50:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

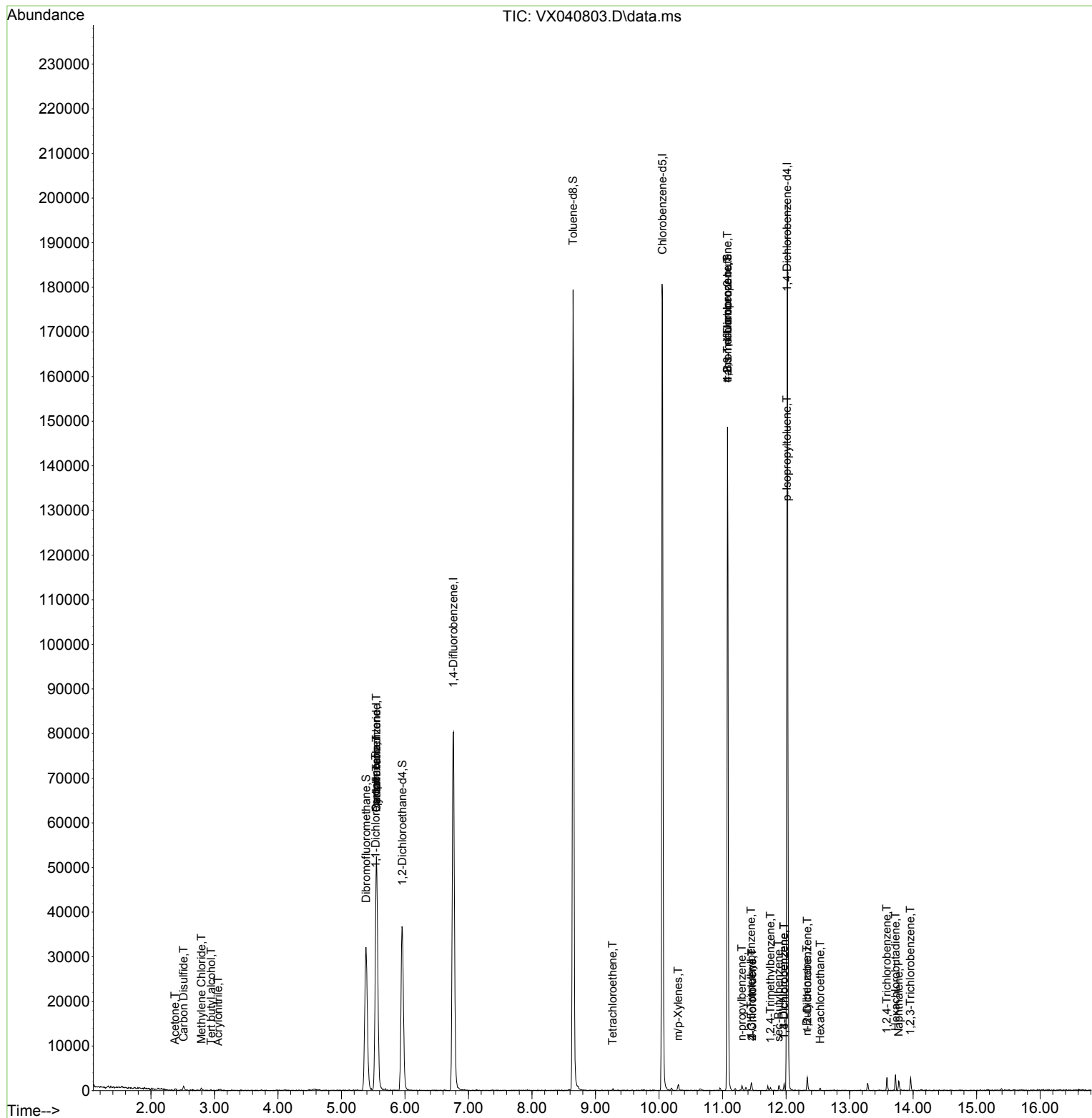
Internal Standards						
1) Pentafluorobenzene	5.550	168	45322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	79580	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	78287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38015	49.884	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.760%		
35) Dibromofluoromethane	5.385	113	27071	45.462	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.920%		
50) Toluene-d8	8.647	98	101887	49.971	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.940%		
62) 4-Bromofluorobenzene	11.079	95	35842	44.494	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.980%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	103	0.844	ug/l #	78
15) Acrylonitrile	3.056	53	193	0.641	ug/l #	61
16) Acetone	2.380	43	330	1.223	ug/l #	47
17) Carbon Disulfide	2.514	76	1054	0.685	ug/l #	88
20) Methylene Chloride	2.794	84	206	0.349	ug/l #	75
31) Cyclohexane	5.550	56	1307	1.443	ug/l #	24
36) 1,1-Dichloropropene	5.538	75	4087	4.662	ug/l #	49
38) Carbon Tetrachloride	5.550	117	4884	4.949	ug/l #	17
64) Tetrachloroethene	9.269	164	124	0.213	ug/l #	49
68) m/p-Xylenes	10.299	106	392	0.337	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	20955	26.713	ug/l #	38
78) n-propylbenzene	11.305	91	876	0.257	ug/l	95
79) 2-Chlorotoluene	11.463	91	725	0.368	ug/l	79
80) 1,3,5-Trimethylbenzene	11.451	105	569	0.245	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	20955	67.578	ug/l #	5
82) 4-Chlorotoluene	11.463	91	725	0.294	ug/l	86
84) 1,2,4-Trimethylbenzene	11.756	105	610	0.261	ug/l	98
85) sec-Butylbenzene	11.884	105	813	0.275	ug/l	80
86) p-Isopropyltoluene	12.012	119	854	0.348	ug/l	83
87) 1,3-Dichlorobenzene	11.969	146	565	0.442	ug/l	94
88) 1,4-Dichlorobenzene	11.969	146	565	0.416	ug/l	93
89) n-Butylbenzene	12.329	91	1138	0.460	ug/l	93
90) Hexachloroethane	12.536	117	95	0.222	ug/l	81
91) 1,2-Dichlorobenzene	12.335	146	465	0.370	ug/l	70
93) 1,2,4-Trichlorobenzene	13.585	180	855	0.957	ug/l	92
94) Hexachlorobutadiene	13.725	225	587	1.667	ug/l	89
95) Naphthalene	13.774	128	1610	0.570	ug/l	98
96) 1,2,3-Trichlorobenzene	13.957	180	759	0.865	ug/l	95

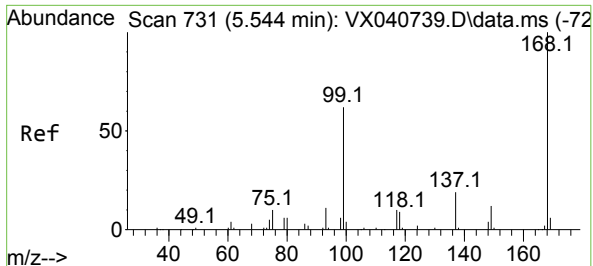
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:44:48 2024
Response via : Initial Calibration

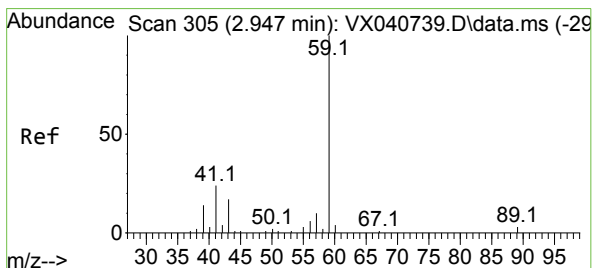
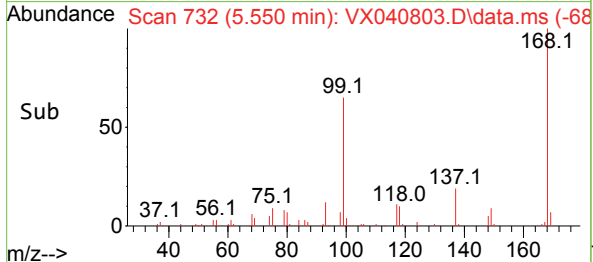
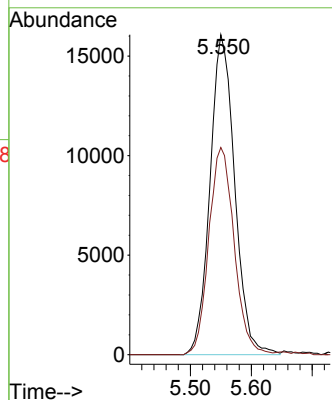
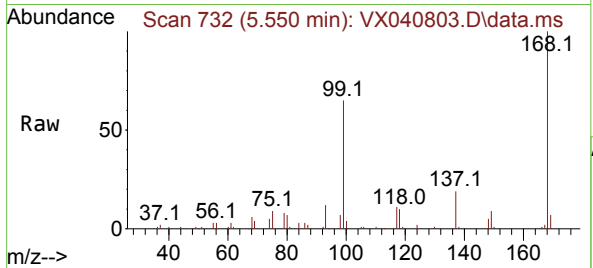




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

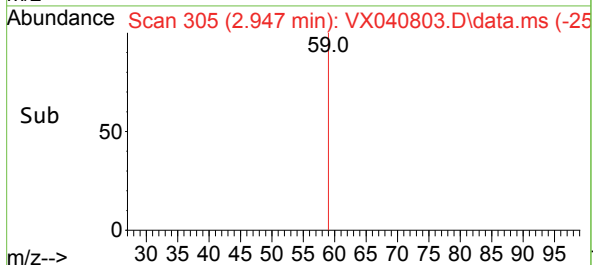
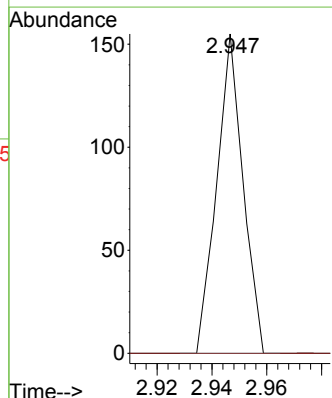
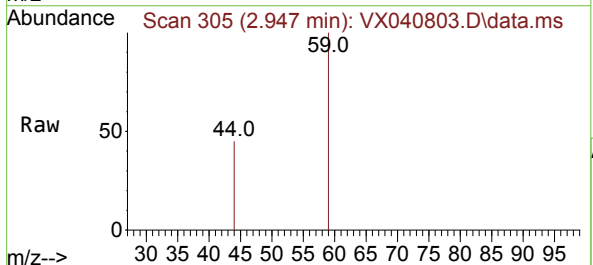
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

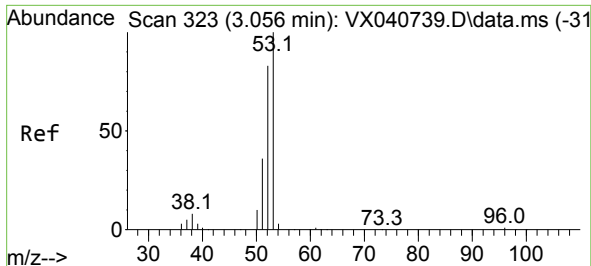
Tgt Ion:168 Resp: 45322
Ion Ratio Lower Upper
168 100
99 64.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.844 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion: 59 Resp: 103
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

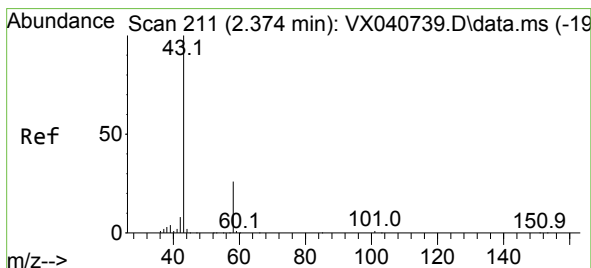
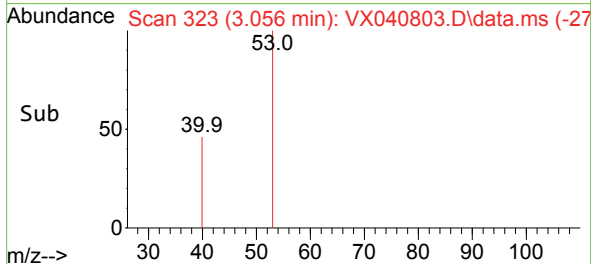
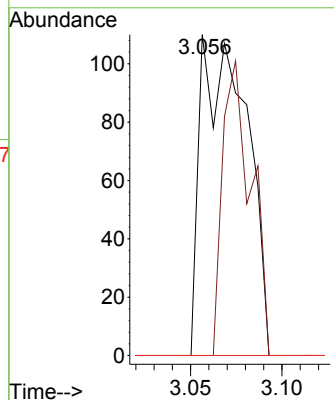
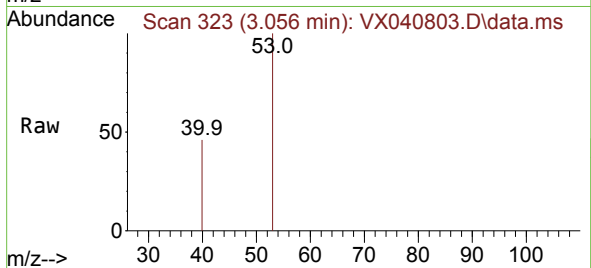




#15
Acrylonitrile
Concen: 0.641 ug/l
RT: 3.056 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

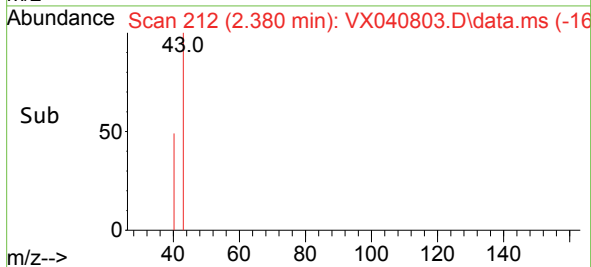
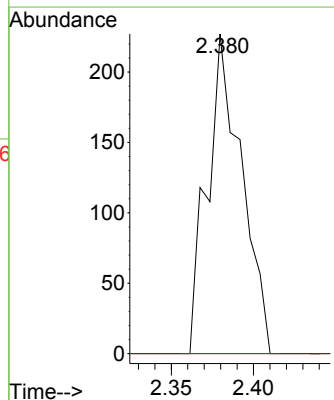
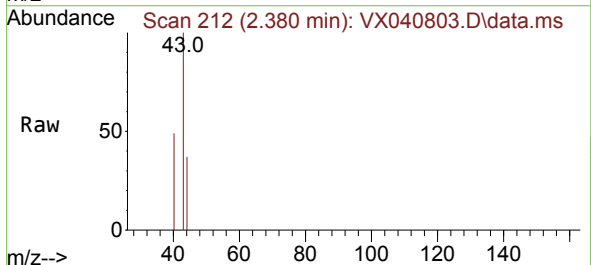
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

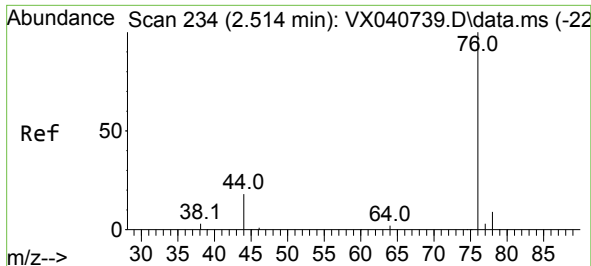
Tgt Ion: 53 Resp: 193
Ion Ratio Lower Upper
53 100
52 57.0 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 1.223 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#

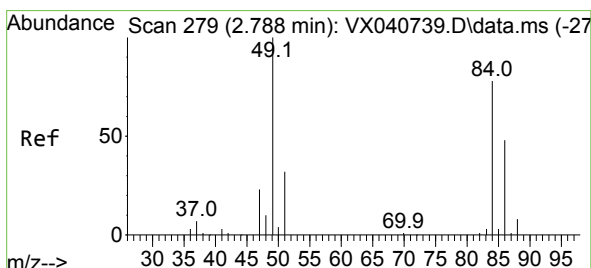
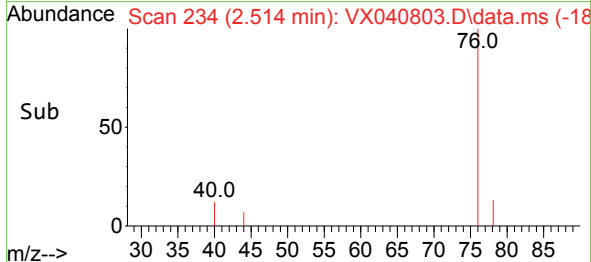
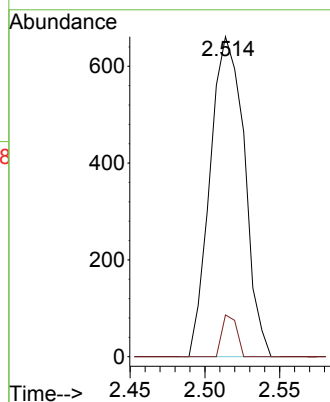
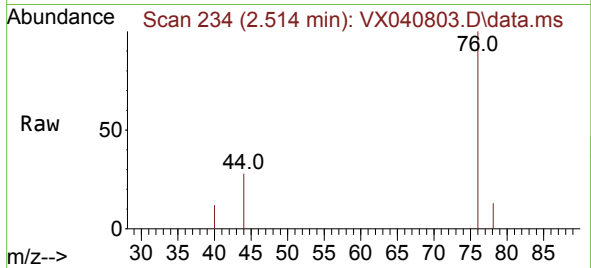




#17
Carbon Disulfide
Concen: 0.685 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

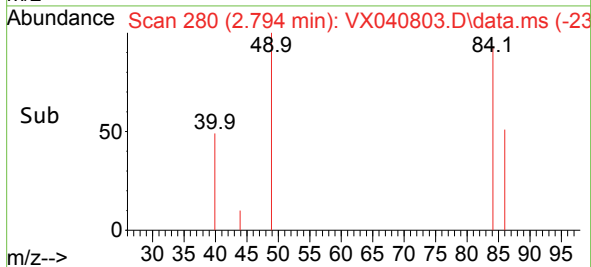
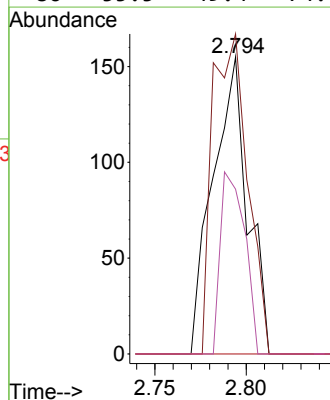
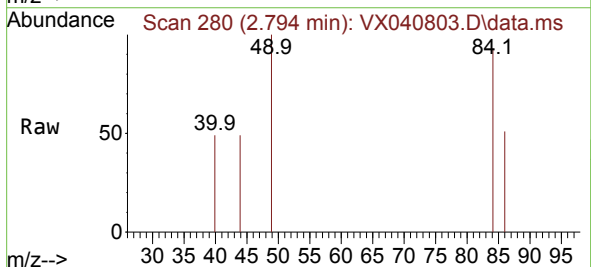
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

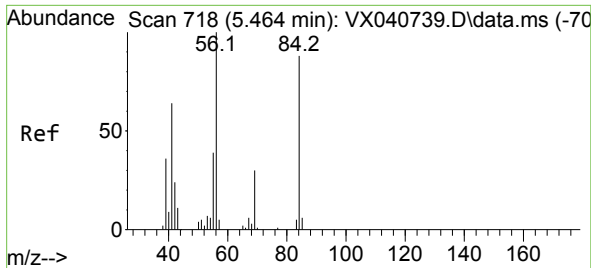
Tgt Ion: 76 Resp: 1054
Ion Ratio Lower Upper
76 100
78 13.0 7.0 10.6#



#20
Methylene Chloride
Concen: 0.349 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion: 84 Resp: 206
Ion Ratio Lower Upper
84 100
49 107.7 103.6 155.4
51 0.0 33.8 50.6#
86 55.5 49.4 74.0

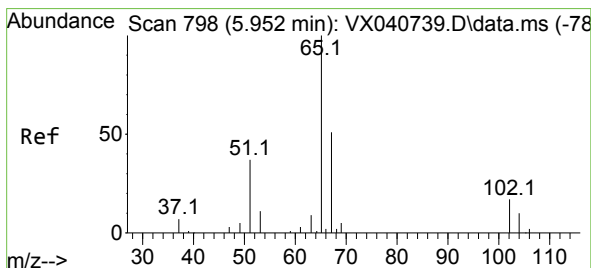
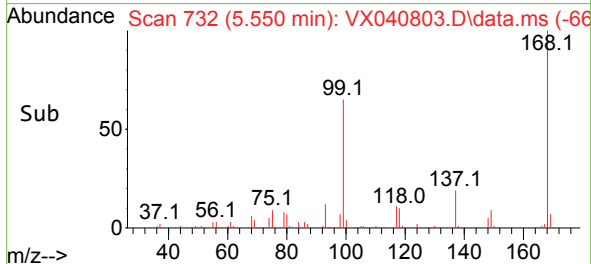
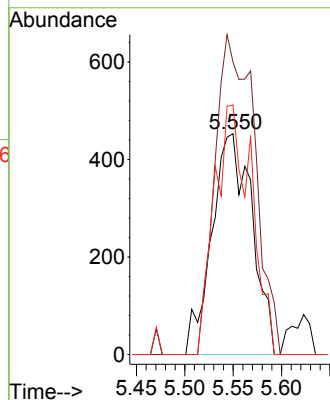
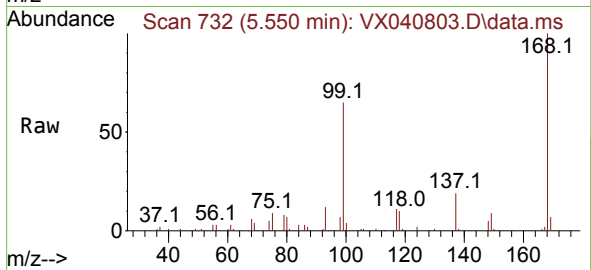




#31
Cyclohexane
Concen: 1.443 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

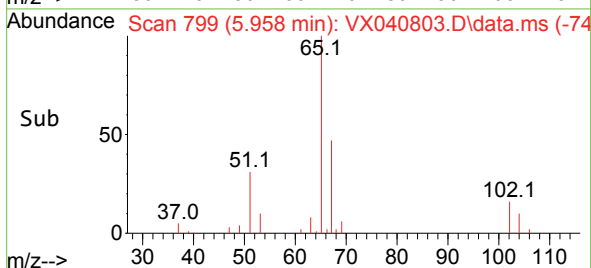
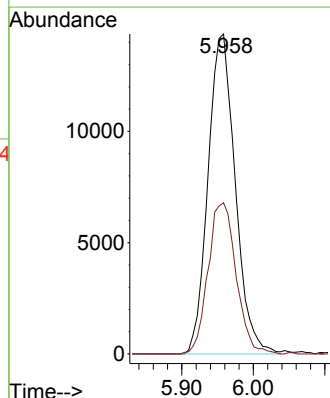
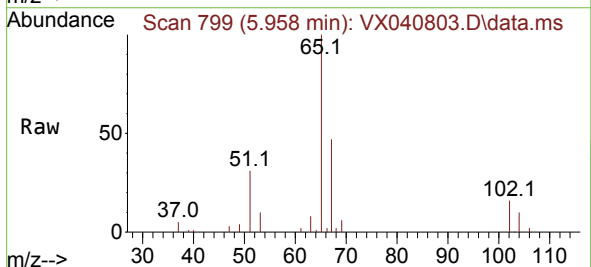
Instrument :
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ClientSampleId :
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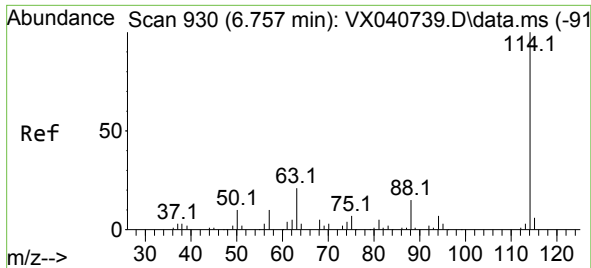
Tgt Ion: 56 Resp: 1307
Ion Ratio Lower Upper
56 100
69 132.5 23.4 35.2#
84 113.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.884 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion: 65 Resp: 38015
Ion Ratio Lower Upper
65 100
67 48.7 0.0 100.2

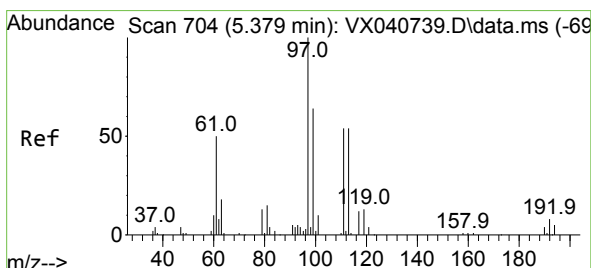
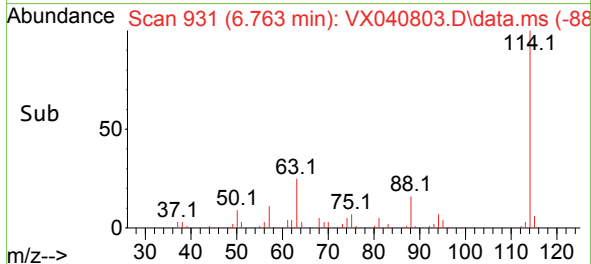
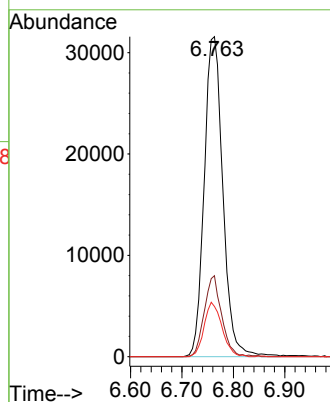
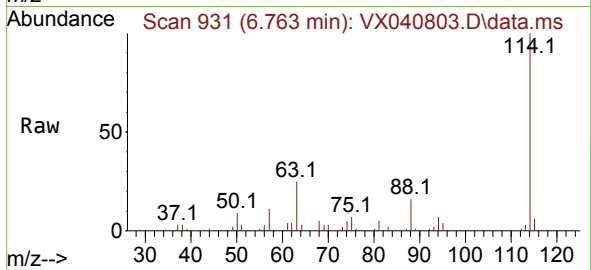




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

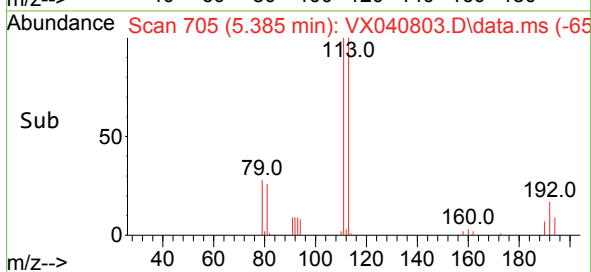
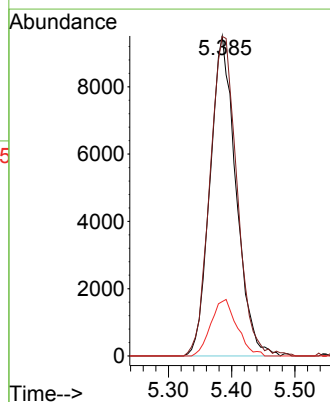
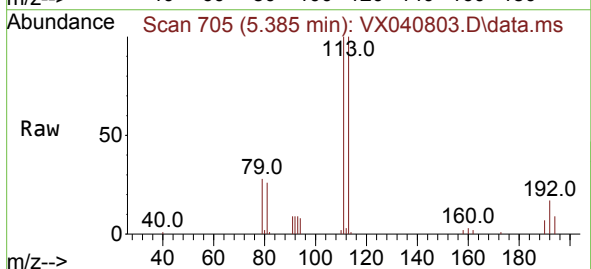
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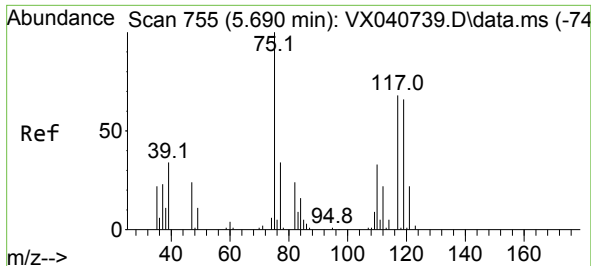
Tgt Ion:114 Resp: 79580
Ion Ratio Lower Upper
114 100
63 25.3 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.462 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion:113 Resp: 27071
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 17.8 13.3 19.9

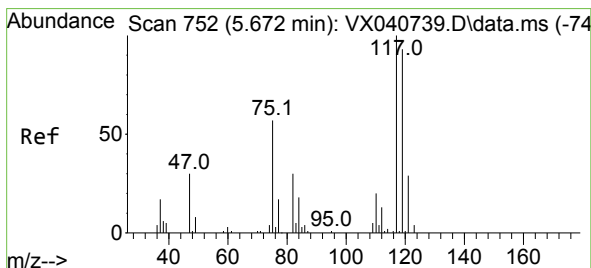
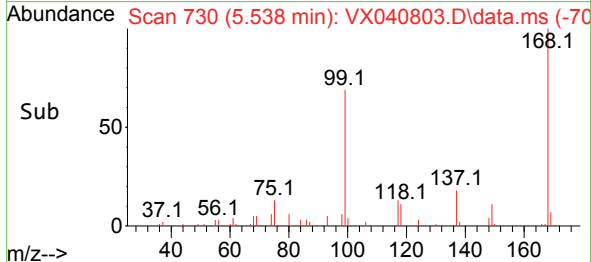
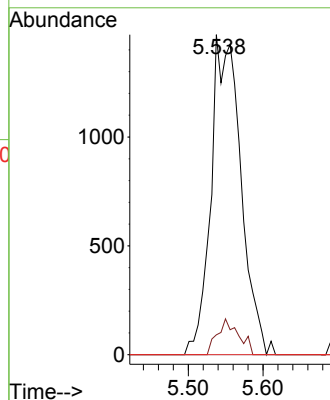
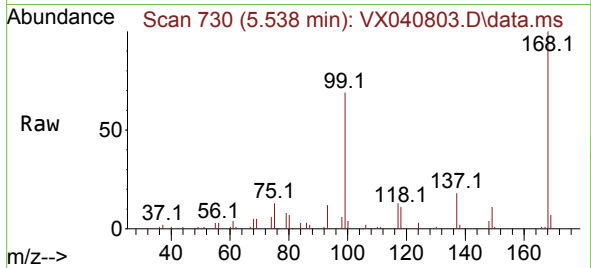




#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

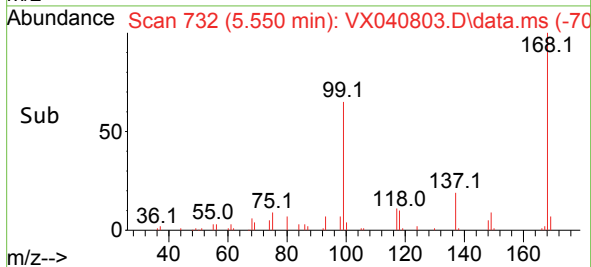
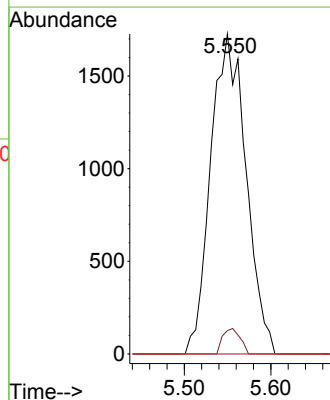
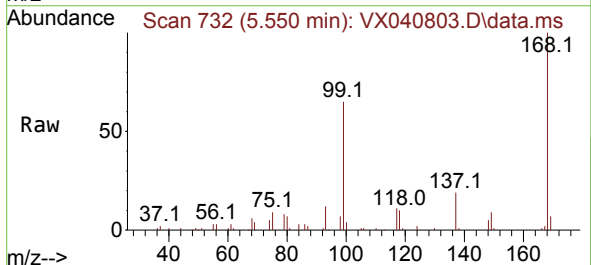
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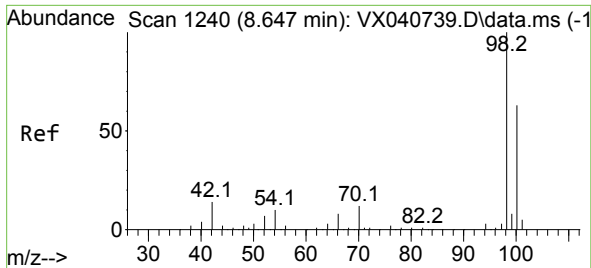
Tgt Ion: 75 Resp: 4087
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.949 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion: 117 Resp: 4884
Ion Ratio Lower Upper
117 100
119 7.3 78.2 117.2#
121 0.0 24.4 36.6#

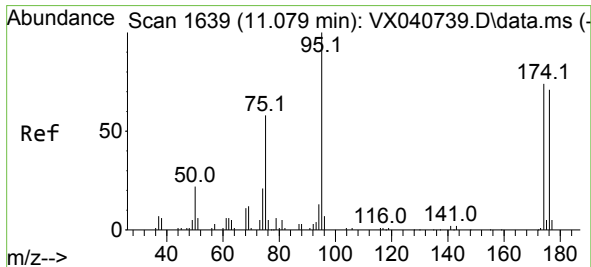
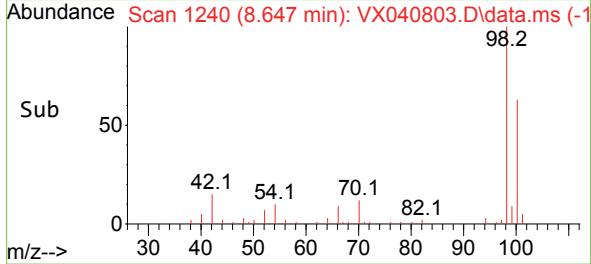
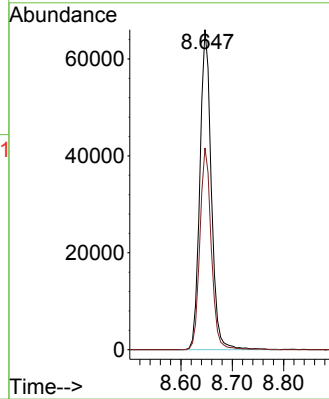
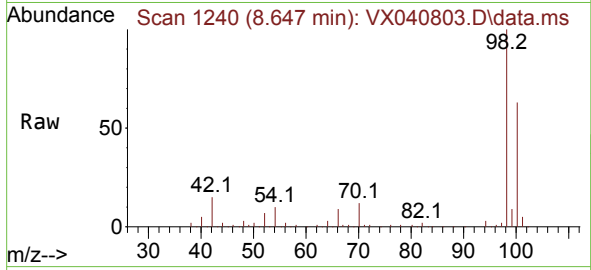




#50
Toluene-d8
Concen: 49.971 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

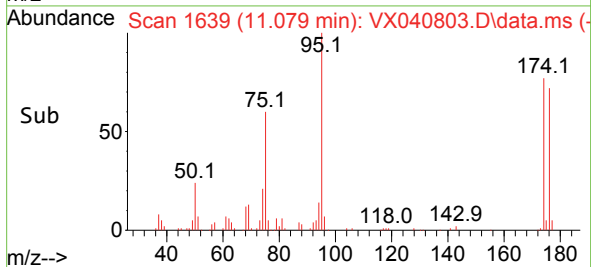
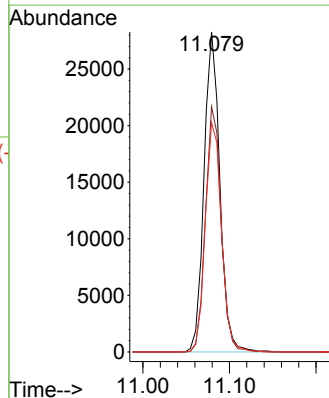
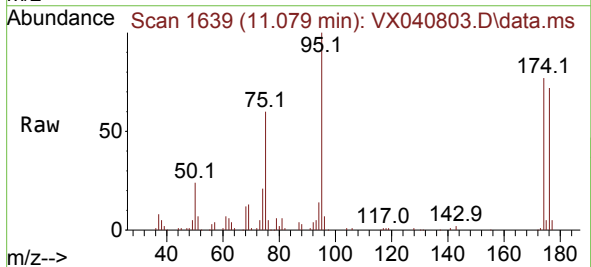
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

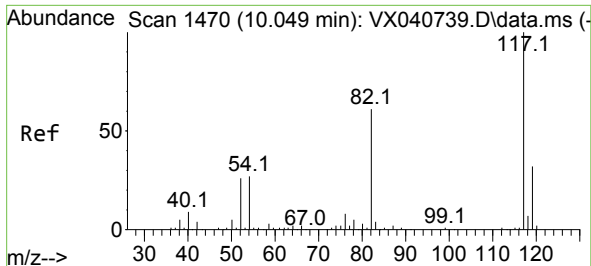
Tgt Ion: 98 Resp: 101887
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.494 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion: 95 Resp: 35842
Ion Ratio Lower Upper
95 100
174 76.1 0.0 135.6
176 73.5 0.0 131.0

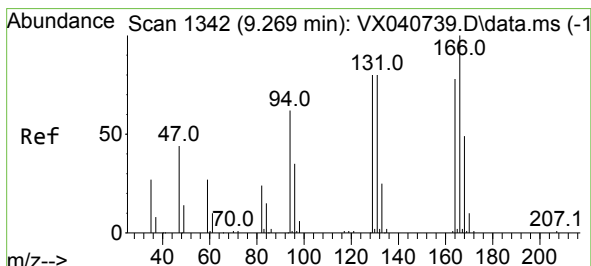
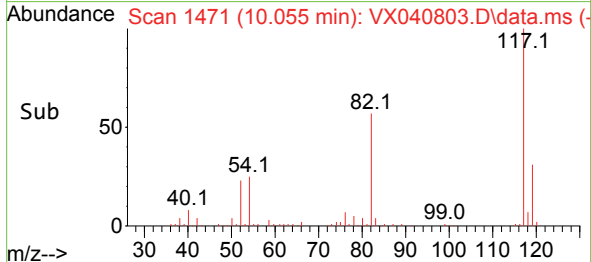
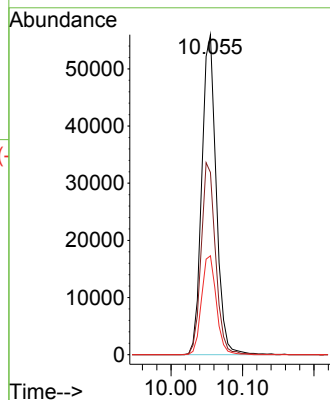
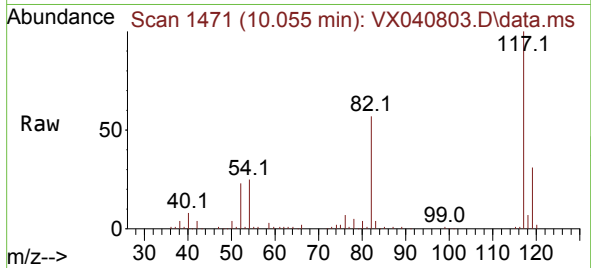




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

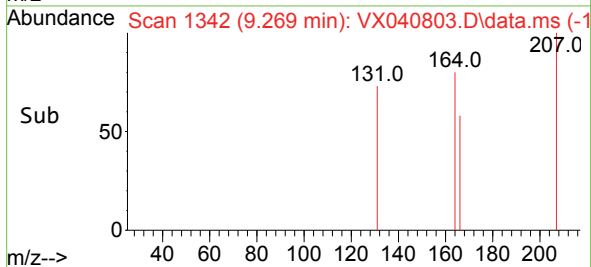
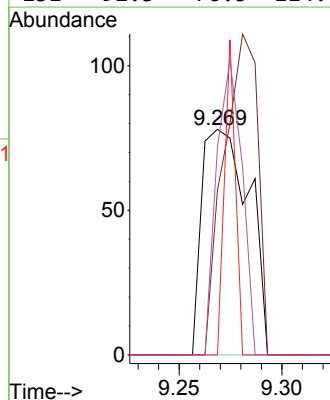
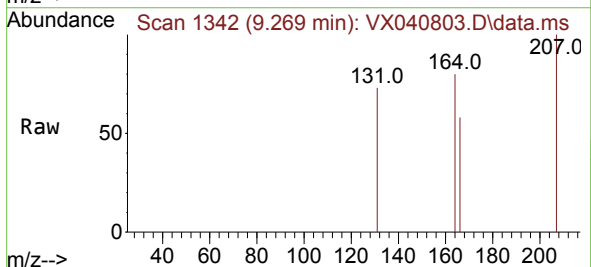
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

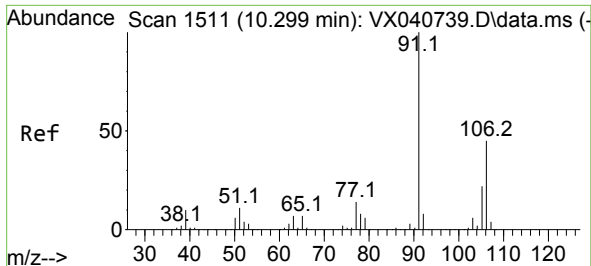
Tgt Ion:117 Resp: 78287
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.4
119 30.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.213 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion:164 Resp: 124
Ion Ratio Lower Upper
164 100
166 73.1 102.7 154.1#
129 0.0 80.4 120.6#
131 92.3 76.5 114.7

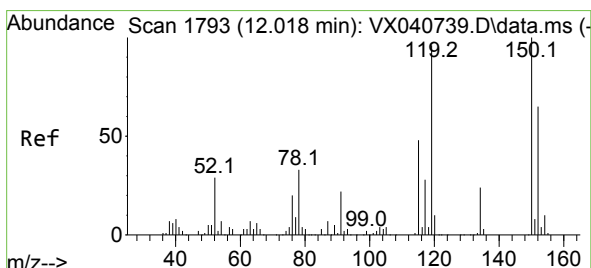
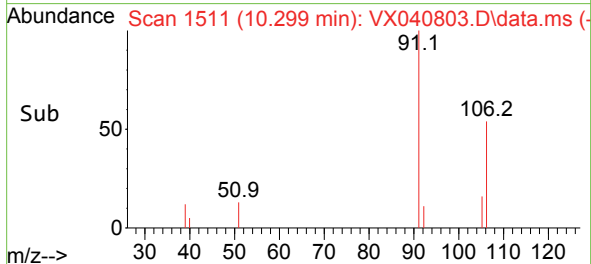
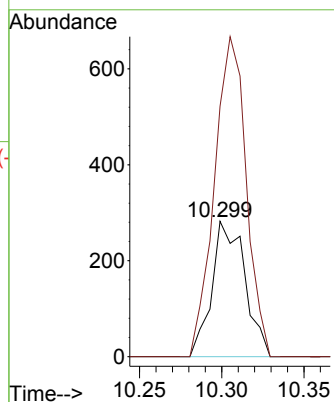
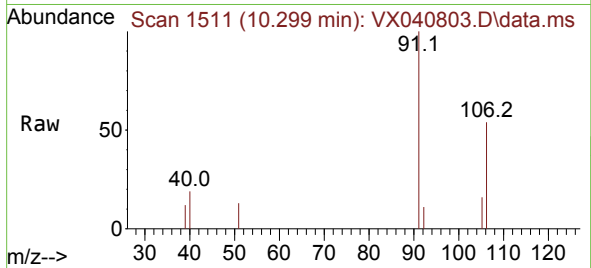




#68
m/p-Xylenes
Concen: 0.337 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

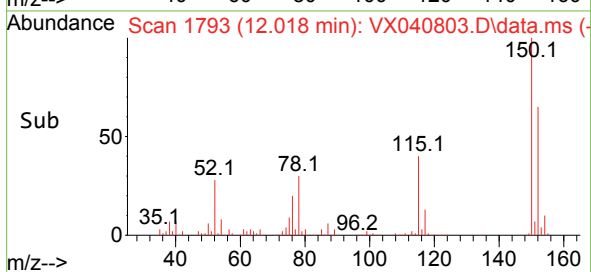
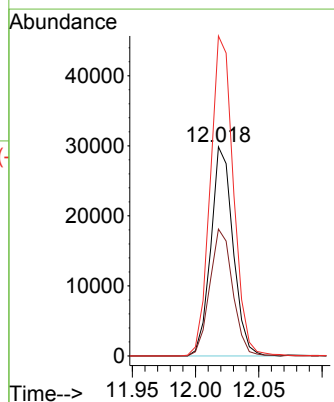
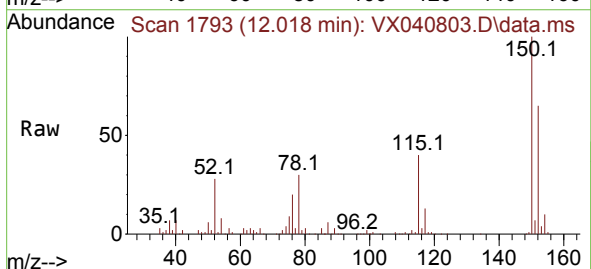
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

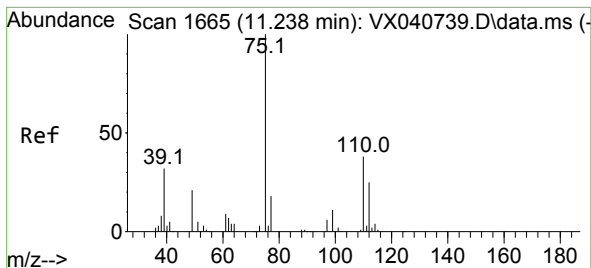
Tgt Ion:106 Resp: 392
Ion Ratio Lower Upper
106 100
91 229.1 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion:152 Resp: 36474
Ion Ratio Lower Upper
152 100
115 62.6 43.3 129.9
150 159.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.713 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX040803.D

Acq: 27 Mar 2024 11:18

Instrument :

MSVOA_X

ClientSampleId :

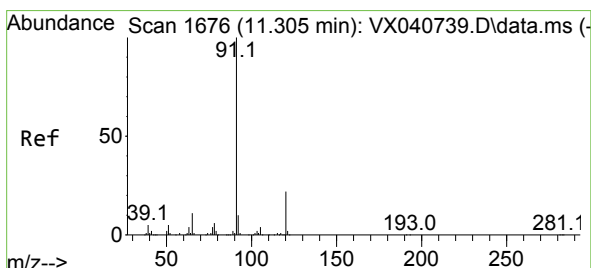
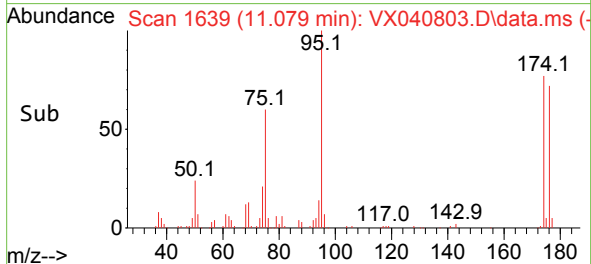
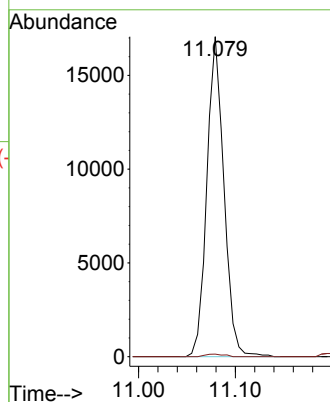
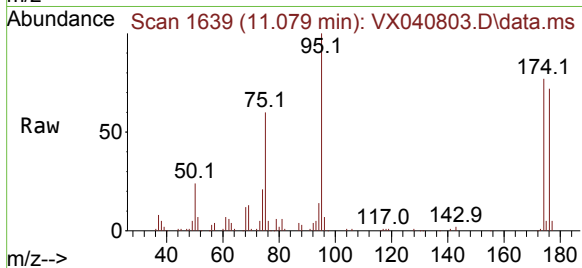
VX0327MBL01

Tgt Ion: 75 Resp: 20955

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#78

n-propylbenzene

Concen: 0.257 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX040803.D

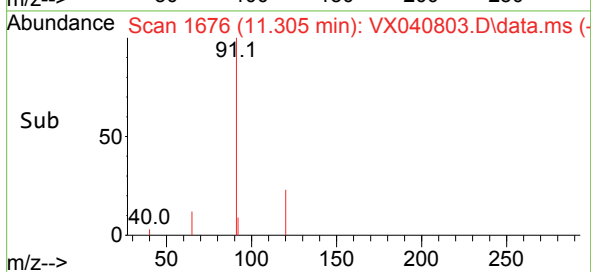
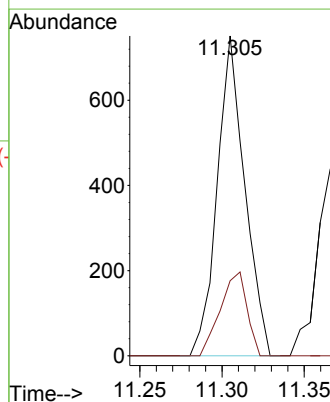
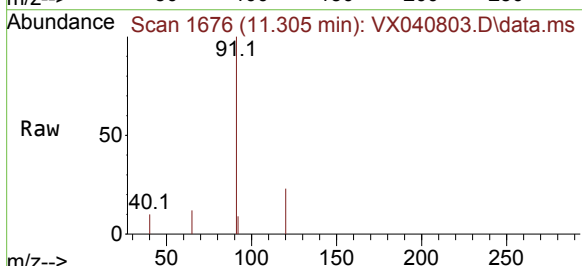
Acq: 27 Mar 2024 11:18

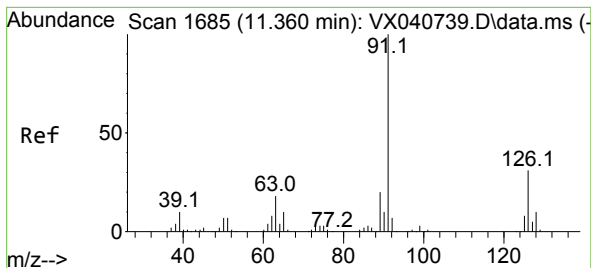
Tgt Ion: 91 Resp: 876

Ion Ratio Lower Upper

91 100

120 25.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.368 ug/l

RT: 11.463 min Scan# 11

Delta R.T. 0.104 min

Lab File: VX040803.D

Acq: 27 Mar 2024 11:18

Instrument :

MSVOA_X

ClientSampleId :

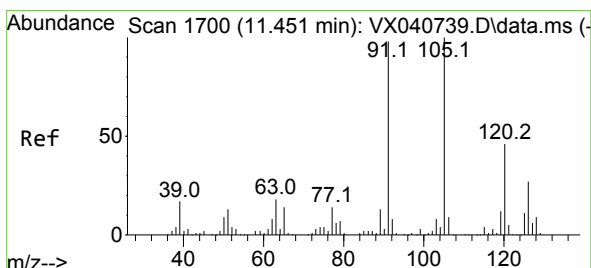
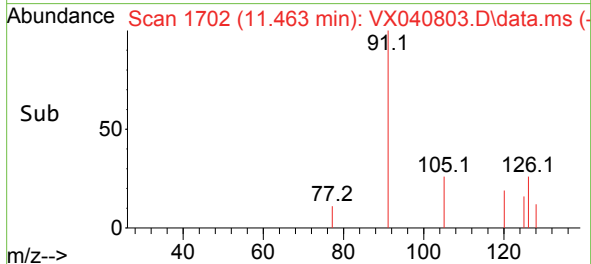
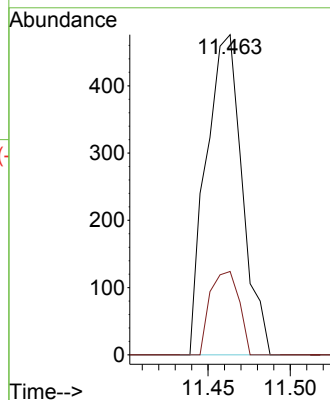
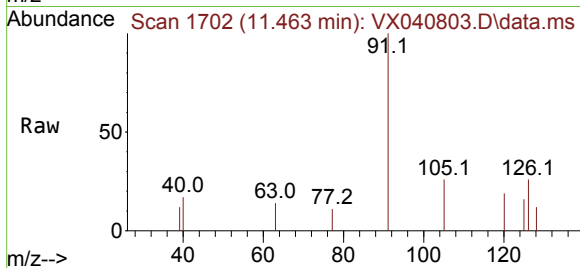
VX0327MBL01

Tgt Ion: 91 Resp: 725

Ion Ratio Lower Upper

91 100

126 21.0 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 0.245 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX040803.D

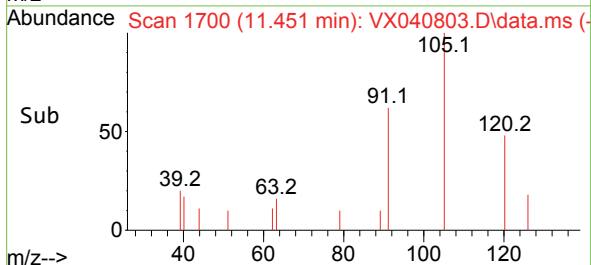
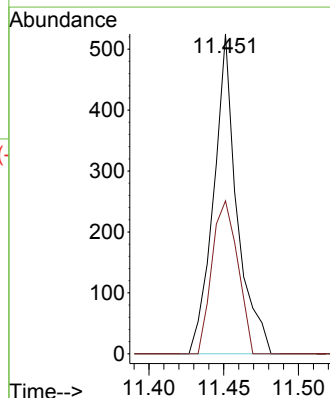
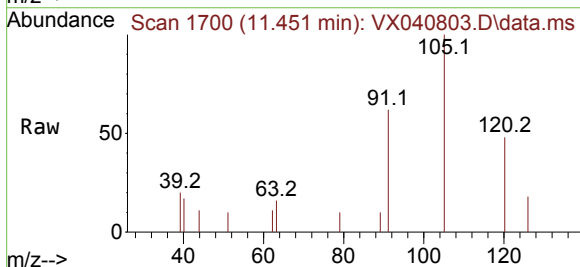
Acq: 27 Mar 2024 11:18

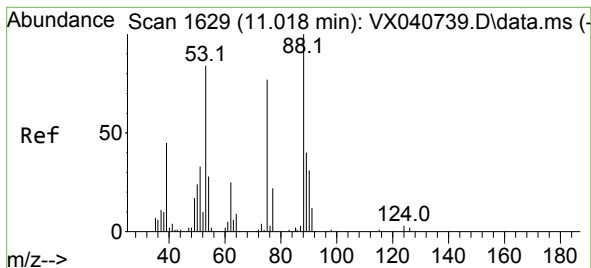
Tgt Ion: 105 Resp: 569

Ion Ratio Lower Upper

105 100

120 52.7 24.1 72.3

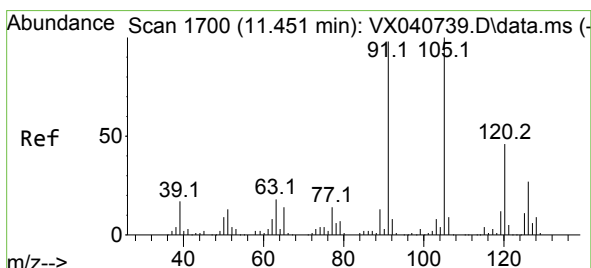
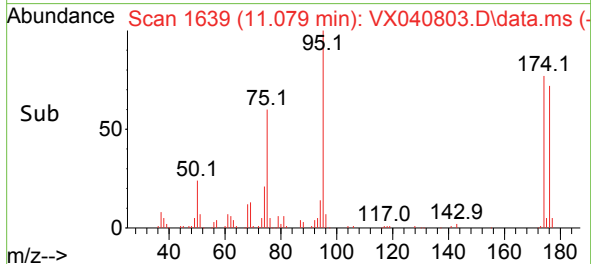
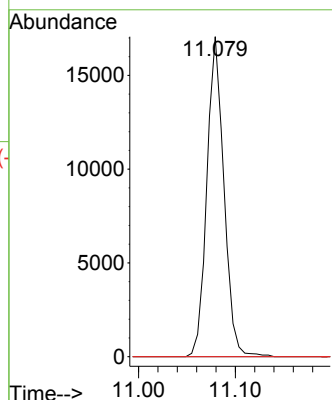
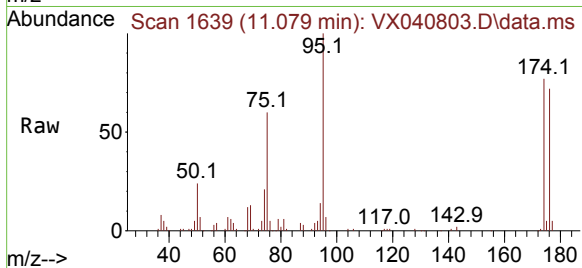




#81
trans-1,4-Dichloro-2-butene
Concen: 67.578 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

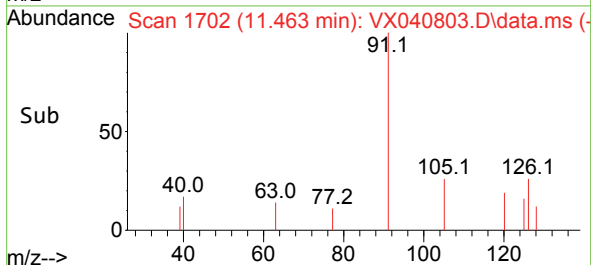
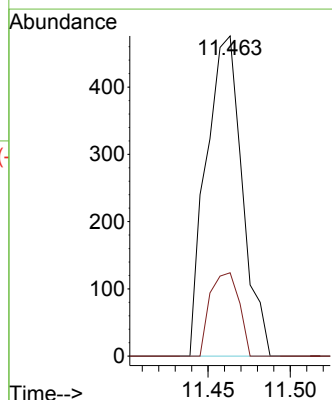
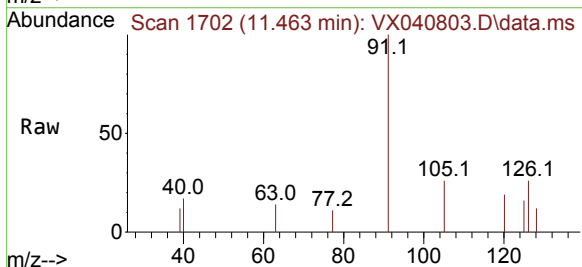
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

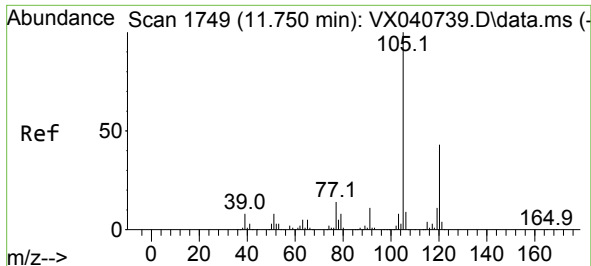
Tgt Ion: 75 Resp: 20955
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.294 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion: 91 Resp: 725
Ion Ratio Lower Upper
91 100
126 21.0 14.2 42.6

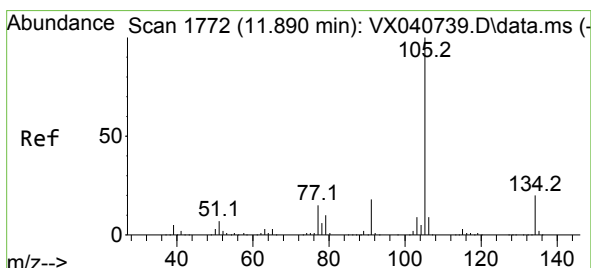
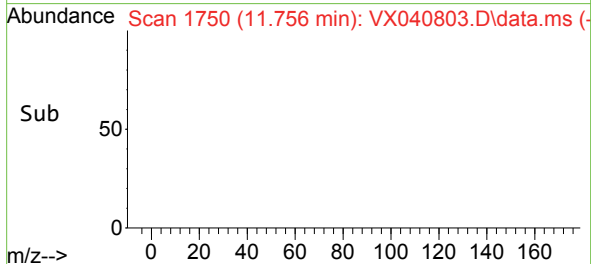
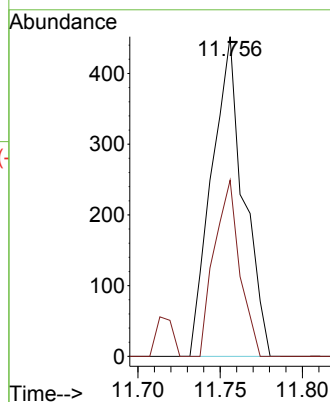
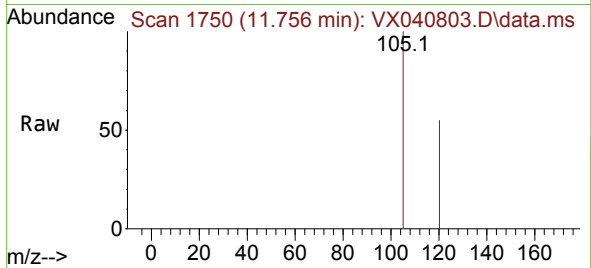




#84
1,2,4-Trimethylbenzene
Concen: 0.261 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

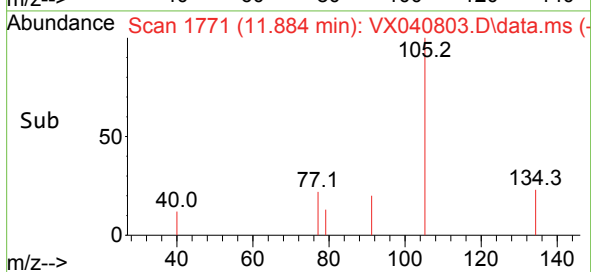
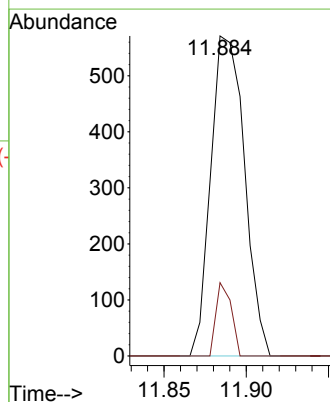
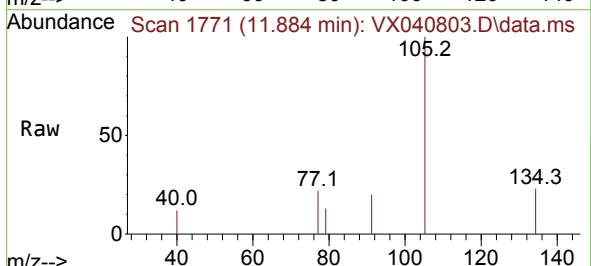
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

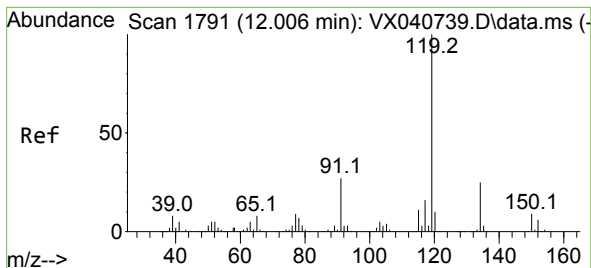
Tgt Ion:105 Resp: 610
Ion Ratio Lower Upper
105 100
120 43.9 21.2 63.6



#85
sec-Butylbenzene
Concen: 0.275 ug/l
RT: 11.884 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion:105 Resp: 813
Ion Ratio Lower Upper
105 100
134 10.3 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.348 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX040803.D

Acq: 27 Mar 2024 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0327MBL01

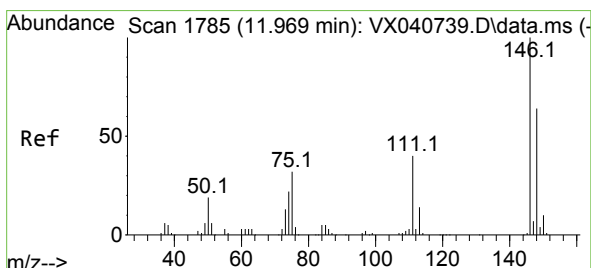
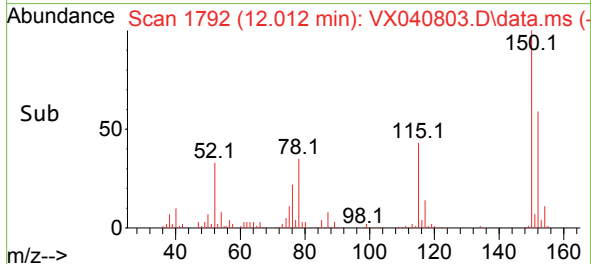
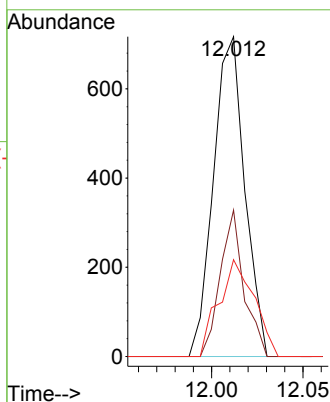
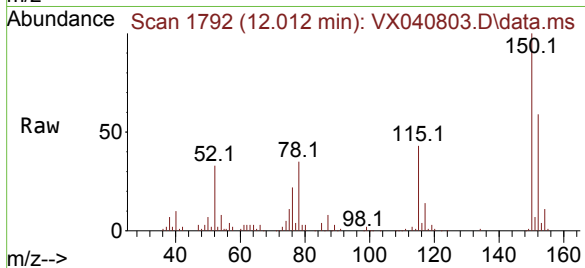
Tgt Ion:119 Resp: 854

Ion Ratio Lower Upper

119 100

134 34.5 12.8 38.3

91 34.3 13.1 39.3



#87

1,3-Dichlorobenzene

Concen: 0.442 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX040803.D

Acq: 27 Mar 2024 11:18

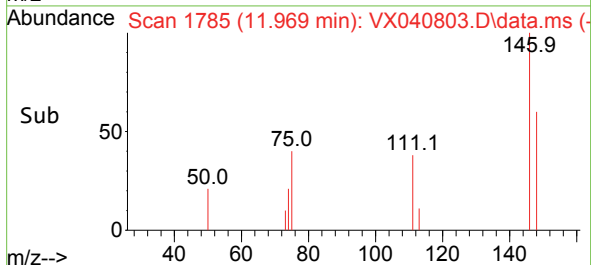
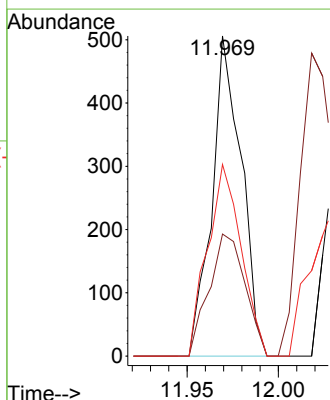
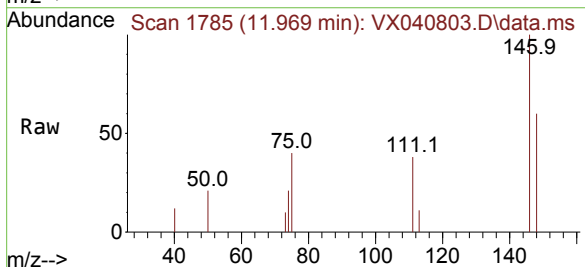
Tgt Ion:146 Resp: 565

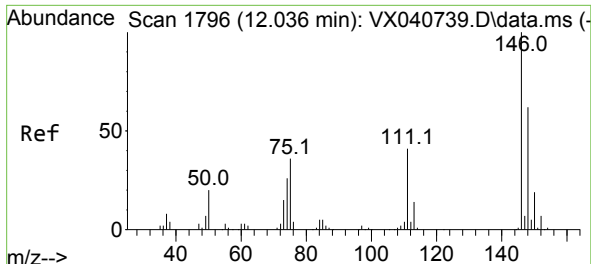
Ion Ratio Lower Upper

146 100

111 46.9 22.1 66.1

148 68.7 31.8 95.3

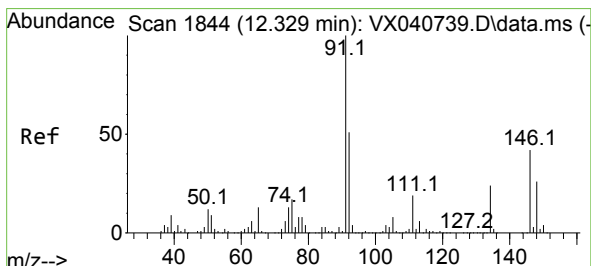
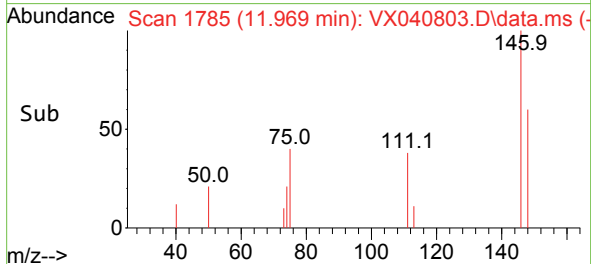
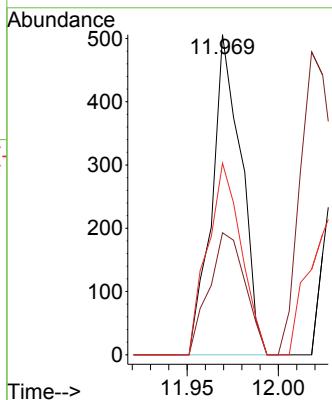
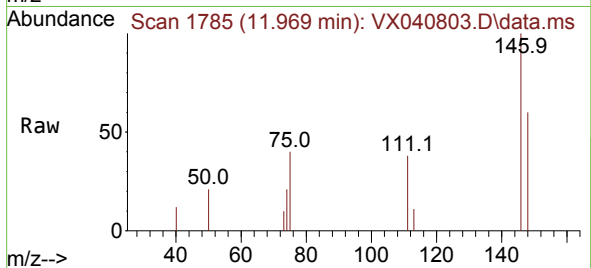




#88
1,4-Dichlorobenzene
Concen: 0.416 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

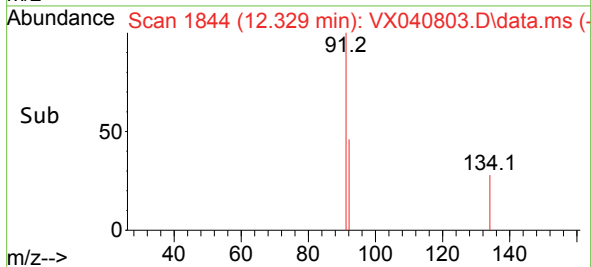
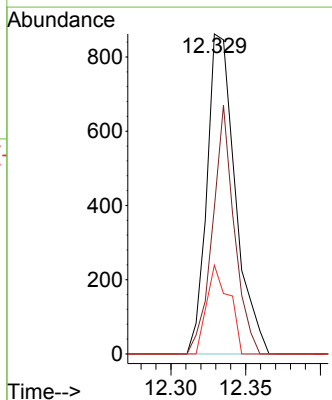
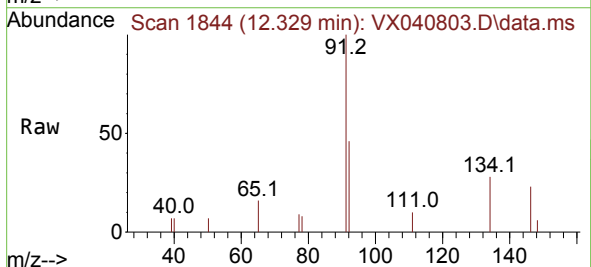
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

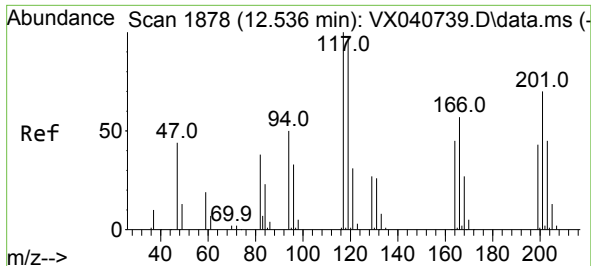
Tgt Ion:146 Resp: 565
Ion Ratio Lower Upper
146 100
111 46.9 21.3 63.7
148 68.7 31.8 95.4



#89
n-Butylbenzene
Concen: 0.460 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion: 91 Resp: 1138
Ion Ratio Lower Upper
91 100
92 59.4 27.4 82.0
134 21.8 12.6 37.8

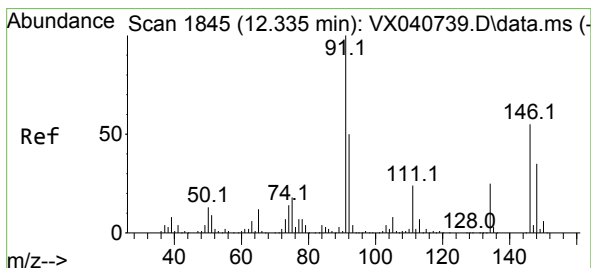
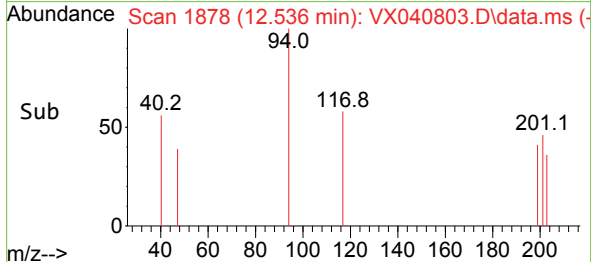
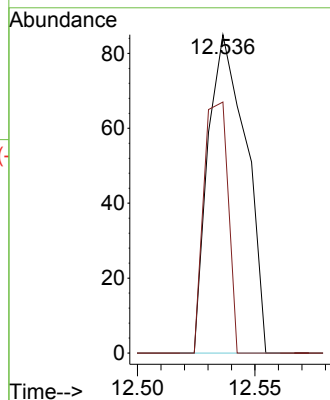
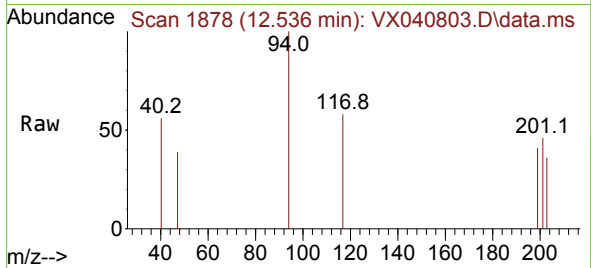




#90
Hexachloroethane
Concen: 0.222 ug/l
RT: 12.536 min Scan# 117
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

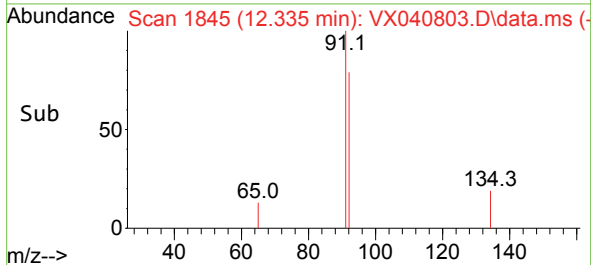
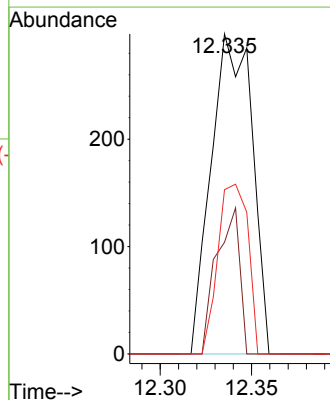
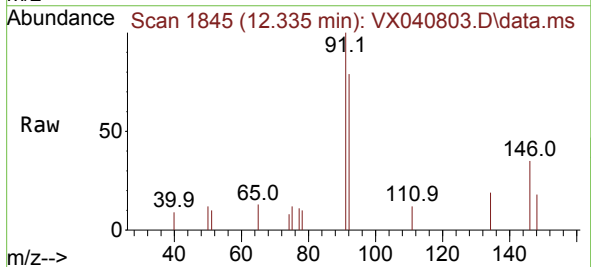
Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01

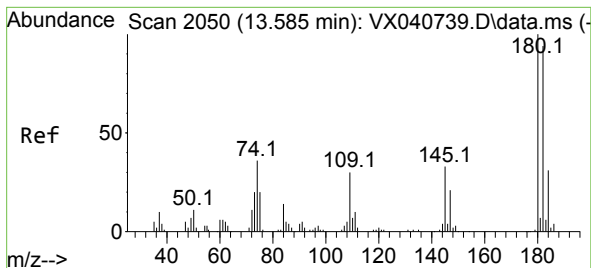
Tgt Ion:117 Resp: 95
Ion Ratio Lower Upper
117 100
201 50.5 32.9 98.6



#91
1,2-Dichlorobenzene
Concen: 0.370 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion:146 Resp: 465
Ion Ratio Lower Upper
146 100
111 25.8 22.4 67.0
148 38.9 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.957 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX040803.D

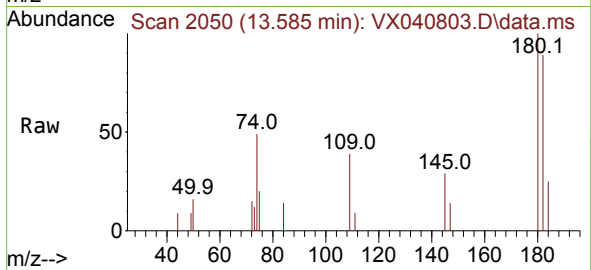
Acq: 27 Mar 2024 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0327MBL01



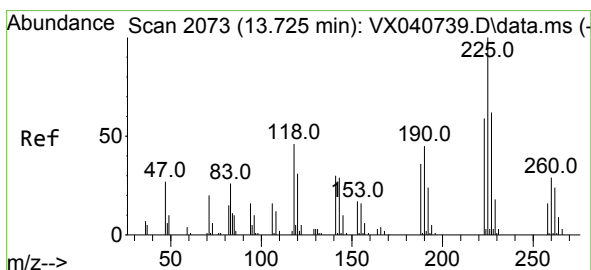
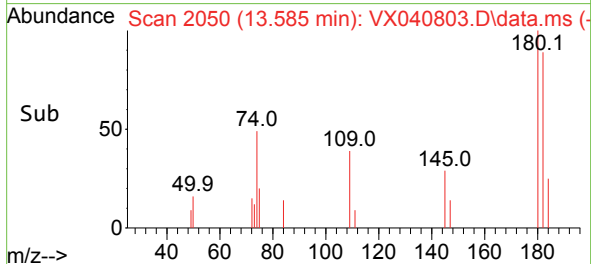
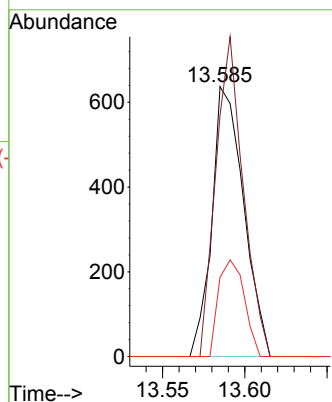
Tgt Ion:180 Resp: 855

Ion Ratio Lower Upper

180 100

182 102.5 48.3 144.8

145 29.0 18.0 54.0



#94

Hexachlorobutadiene

Concen: 1.667 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX040803.D

Acq: 27 Mar 2024 11:18

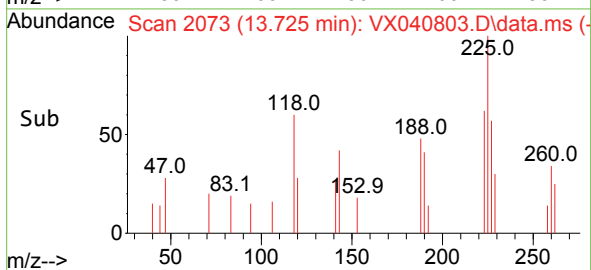
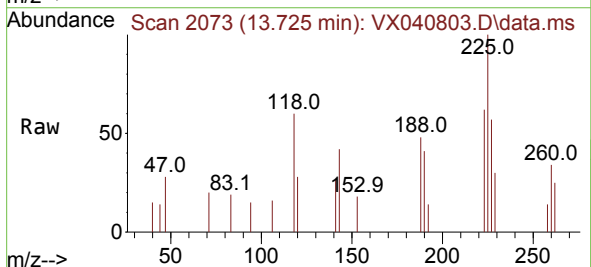
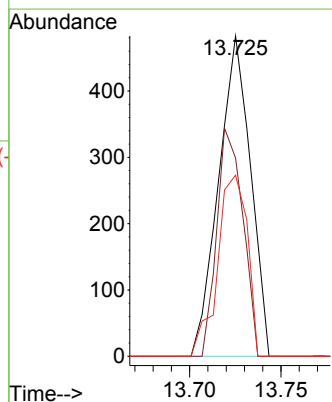
Tgt Ion:225 Resp: 587

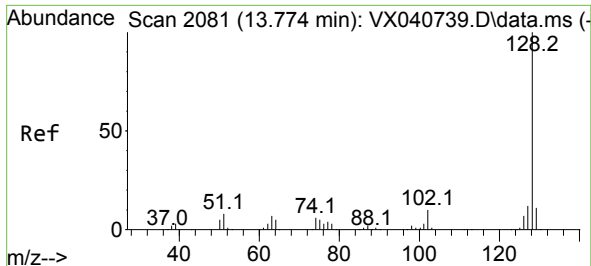
Ion Ratio Lower Upper

225 100

223 57.9 31.1 93.2

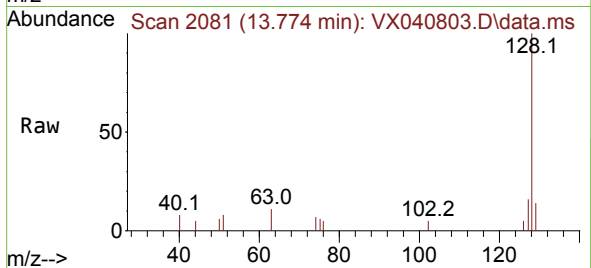
227 52.6 32.5 97.5



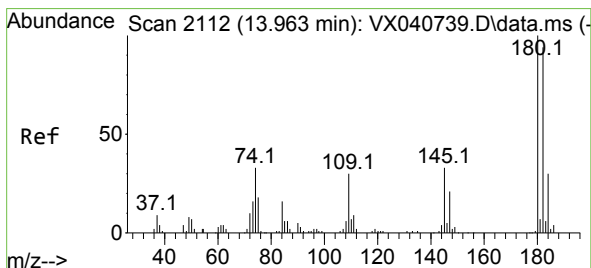
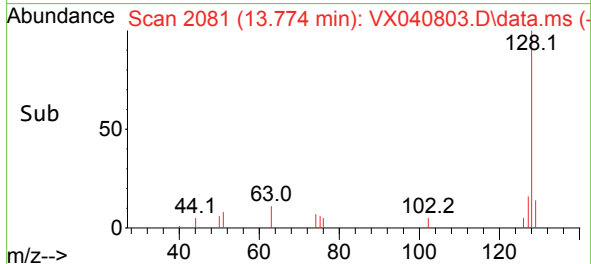
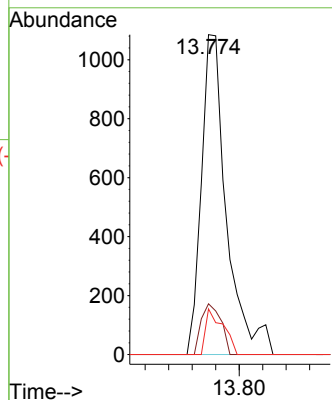


#95
Naphthalene
Concen: 0.570 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0327MBL01



Tgt Ion:	128	Resp:	1610
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	9.9	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.865 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX040803.D
Acq: 27 Mar 2024 11:18

Tgt Ion:	180	Resp:	759
Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.6
145	29.0	17.8	53.5

