

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030424\
 Data File : VX040561.D
 Acq On : 04 Mar 2024 12:04
 Operator : JC/MD
 Sample : VX0304MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBL01

Quant Time: Mar 05 00:22:16 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)

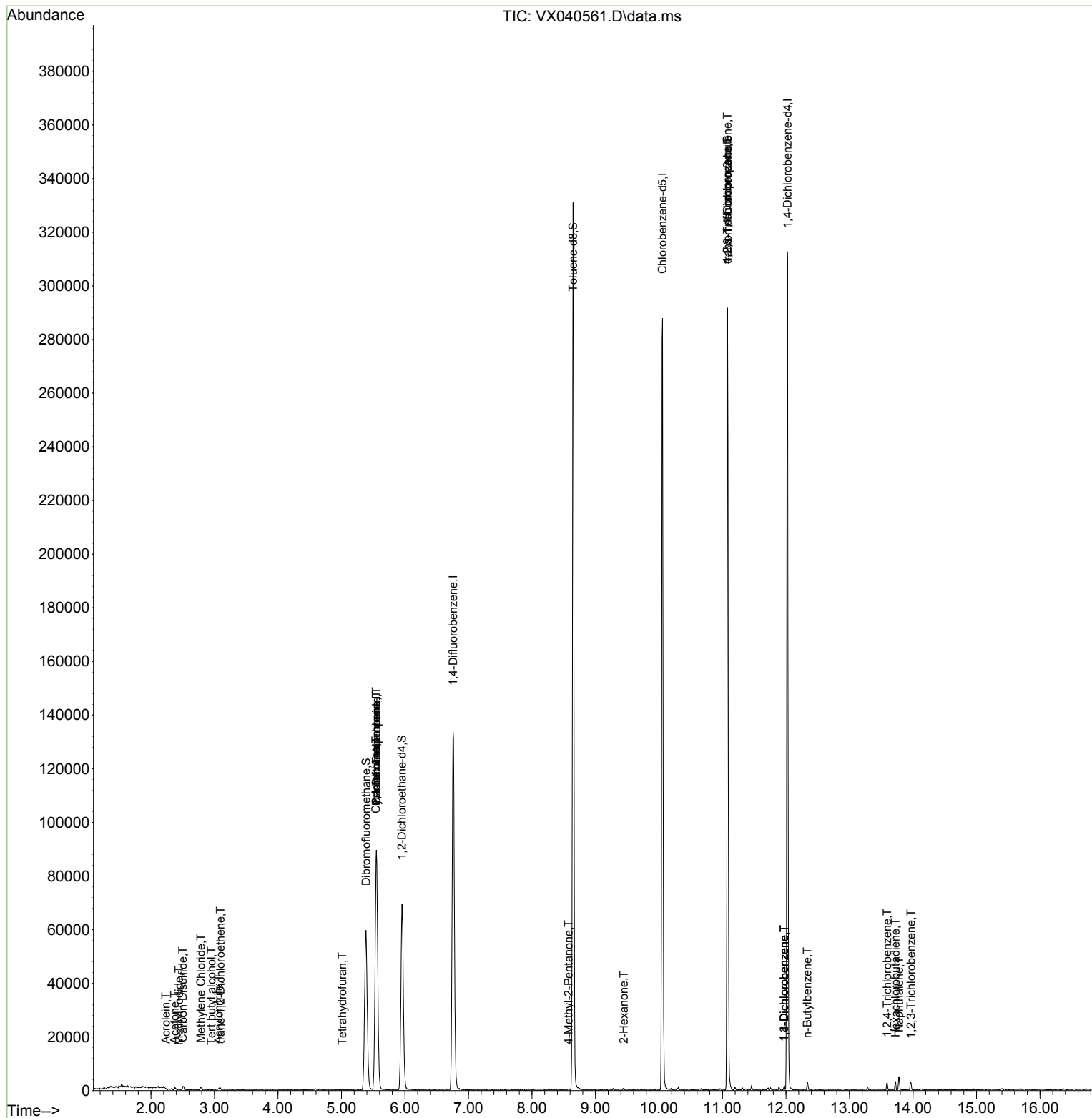
Internal Standards						
1) Pentafluorobenzene	5.550	168	77989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130985	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71204	54.587	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.180%			
35) Dibromofluoromethane	5.385	113	50542	55.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.980%			
50) Toluene-d8	8.647	98	185551	56.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.240%			
62) 4-Bromofluorobenzene	11.079	95	72106	57.212	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 114.420%			
Target Compounds						Qvalue
10) Methyl Iodide	2.441	142	27	3.034	ug/l #	34
11) Tert butyl alcohol	2.953	59	248	1.131	ug/l #	78
13) Acrolein	2.233	56	67	0.477	ug/l #	59
15) Acrylonitrile	3.069	53	438	0.796	ug/l #	48
16) Acetone	2.374	43	521	1.225	ug/l #	47
17) Carbon Disulfide	2.502	76	1665	0.677	ug/l #	89
20) Methylene Chloride	2.788	84	476	0.468	ug/l #	66
21) trans-1,2-Dichloroethene	3.093	96	262	0.276	ug/l #	54
29) Tetrahydrofuran	5.013	42	105	0.203	ug/l #	44
31) Cyclohexane	5.544	56	2257	1.527	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	7060	5.031	ug/l #	51
38) Carbon Tetrachloride	5.550	117	9157	6.754	ug/l #	13
51) 4-Methyl-2-Pentanone	8.574	43	400	0.251	ug/l #	61
59) 2-Hexanone	9.446	43	700	0.571	ug/l	63
76) 1,2,3-Trichloropropane	11.079	75	42027	30.713	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	42027	88.160	ug/l #	5
87) 1,3-Dichlorobenzene	11.970	146	601	0.278	ug/l	95
88) 1,4-Dichlorobenzene	11.970	146	601	0.274	ug/l	96
89) n-Butylbenzene	12.335	91	1174	0.300	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	753	0.561	ug/l	92
94) Hexachlorobutadiene	13.725	225	487	0.888	ug/l	95
95) Naphthalene	13.780	128	3602	0.840	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.969	180	1011	0.792	ug/l	90

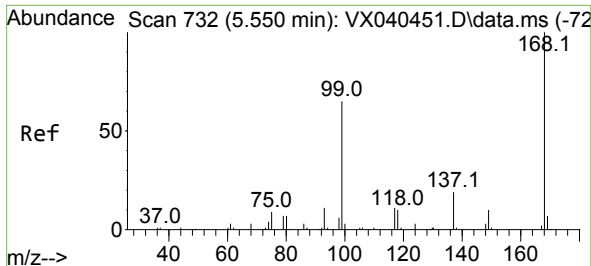
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030424\
Data File : VX040561.D
Acq On : 04 Mar 2024 12:04
Operator : JC/MD
Sample : VX0304MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0304MBL01

Quant Time: Mar 05 00:22:16 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





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

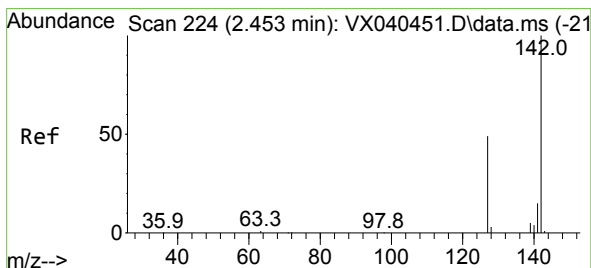
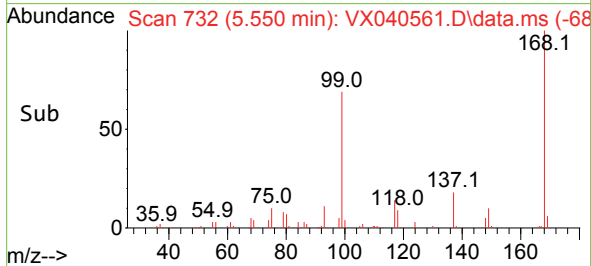
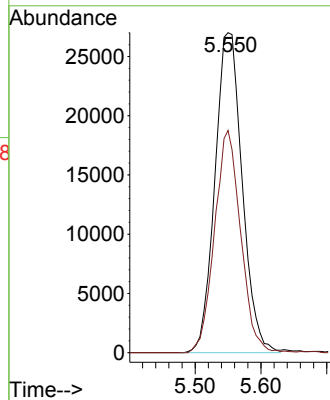
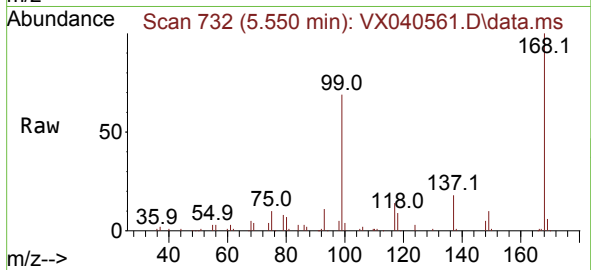
VX0304MBL01

Tgt Ion:168 Resp: 77989

Ion Ratio Lower Upper

168 100

99 69.5 56.6 85.0



#10

Methyl Iodide

Concen: 3.034 ug/l

RT: 2.441 min Scan# 222

Delta R.T. -0.012 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

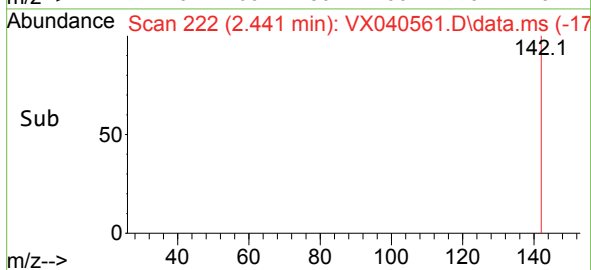
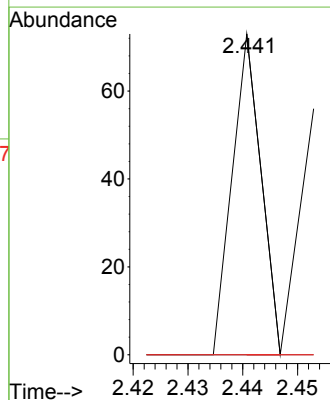
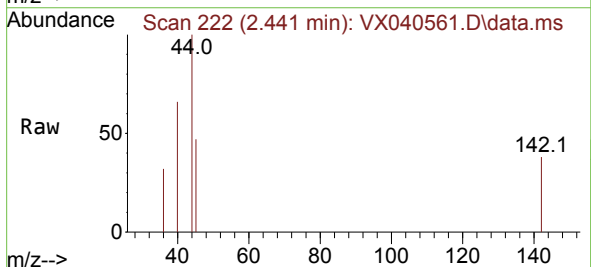
Tgt Ion:142 Resp: 27

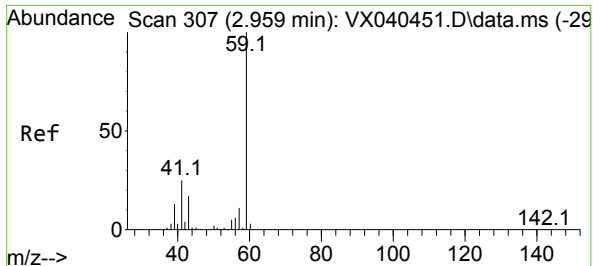
Ion Ratio Lower Upper

142 100

127 0.0 41.6 62.4#

141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 1.131 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

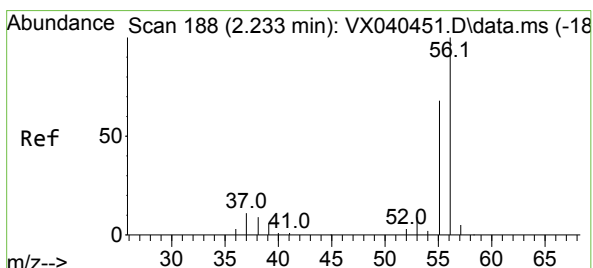
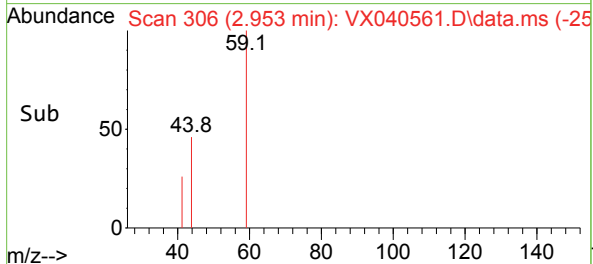
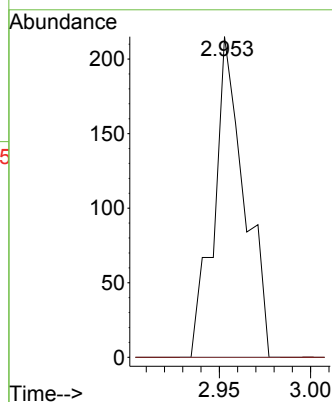
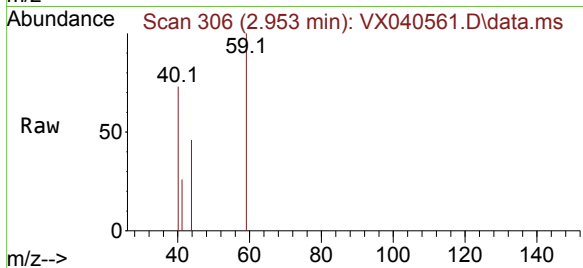
VX0304MBL01

Tgt Ion: 59 Resp: 248

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.477 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX040561.D

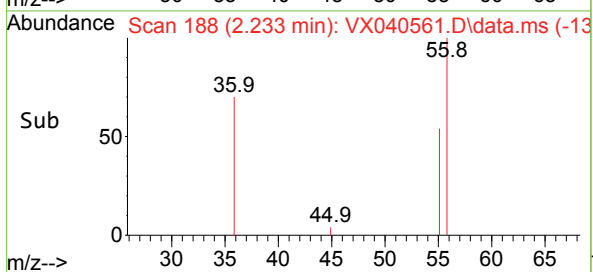
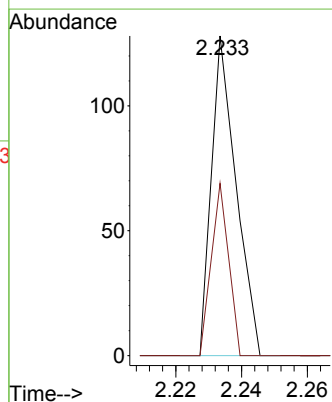
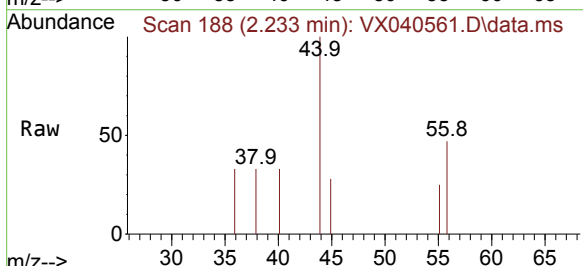
Acq: 04 Mar 2024 12:04

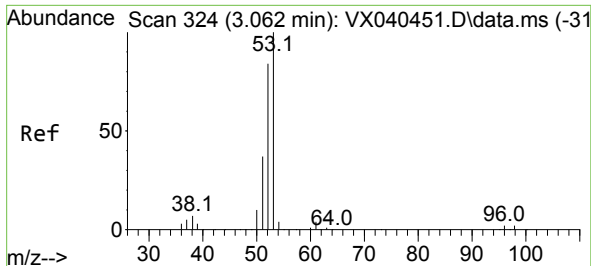
Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 37.3 57.1 85.7#





#15

Acrylonitrile

Concen: 0.796 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBL01

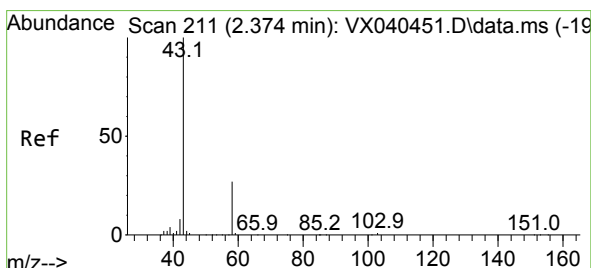
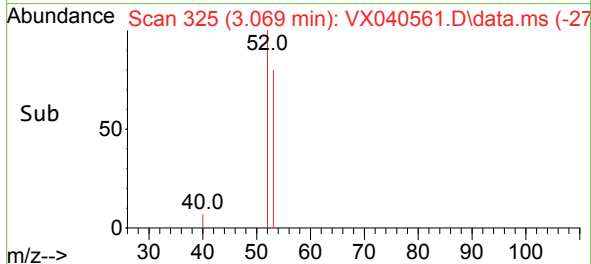
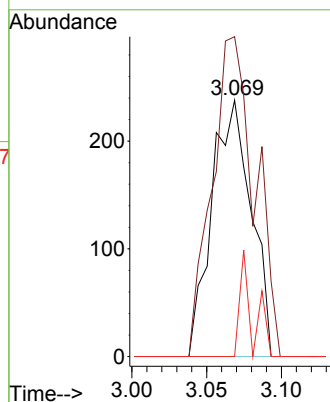
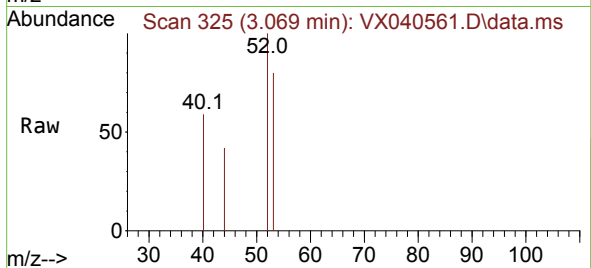
Tgt Ion: 53 Resp: 438

Ion Ratio Lower Upper

53 100

52 134.7 66.0 99.0#

51 13.5 29.8 44.6#



#16

Acetone

Concen: 1.225 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX040561.D

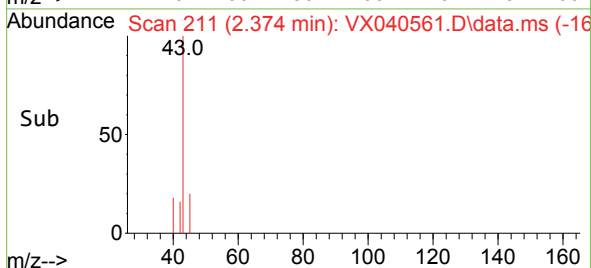
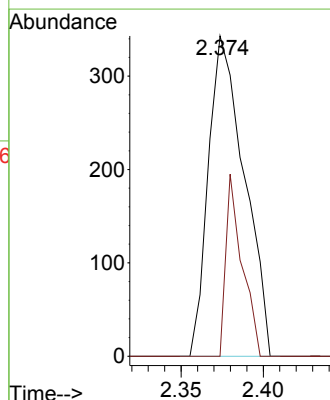
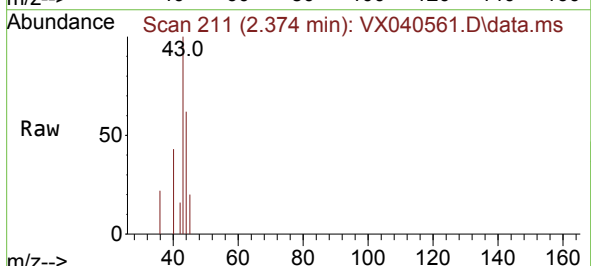
Acq: 04 Mar 2024 12:04

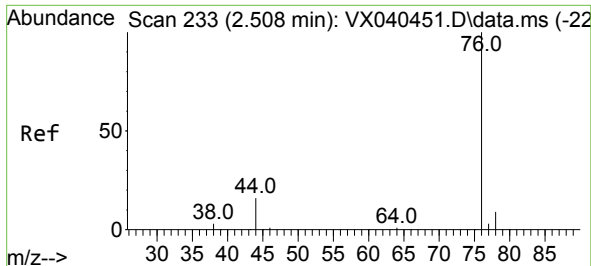
Tgt Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.677 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

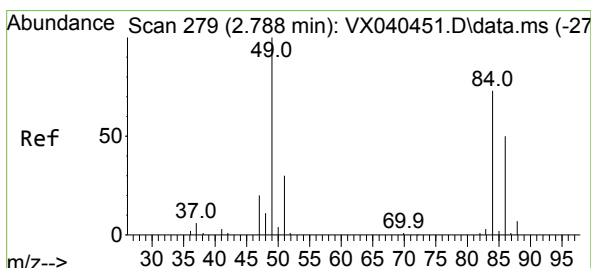
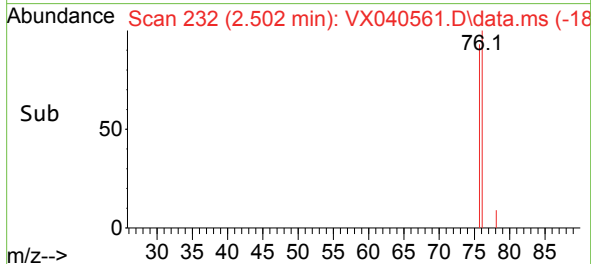
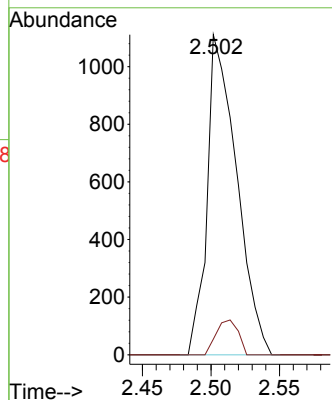
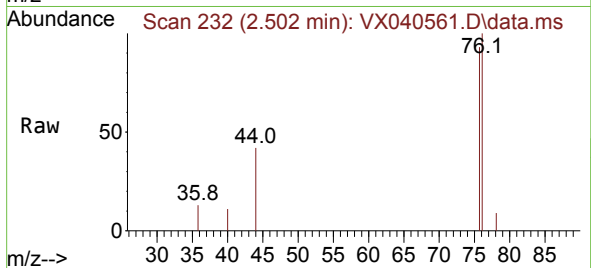
VX0304MBL01

Tgt Ion: 76 Resp: 1665

Ion Ratio Lower Upper

76 100

78 4.9 7.0 10.6#



#20

Methylene Chloride

Concen: 0.468 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Tgt Ion: 84 Resp: 476

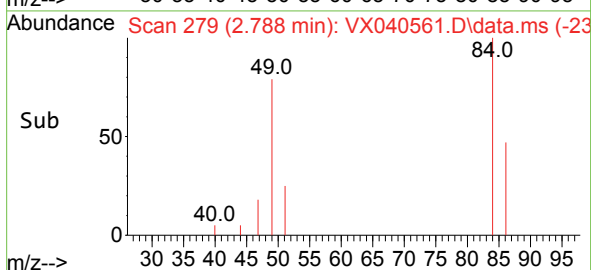
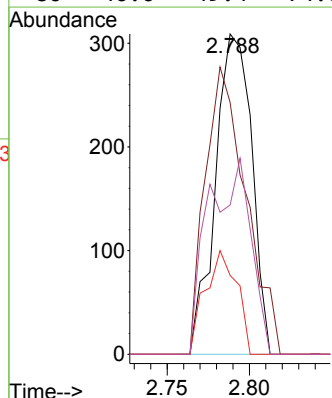
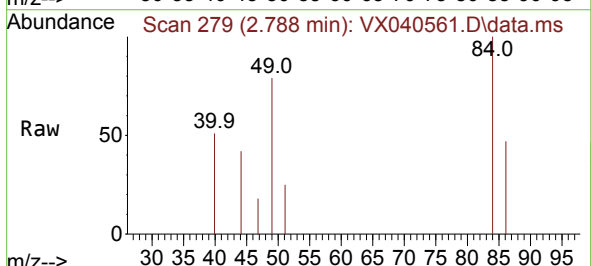
Ion Ratio Lower Upper

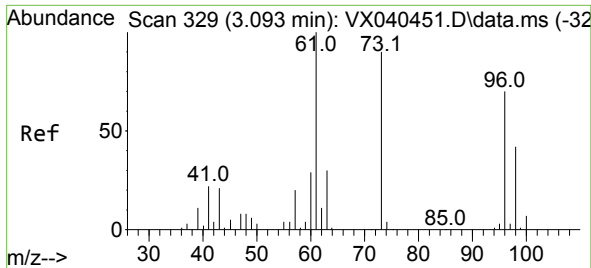
84 100

49 78.6 103.6 155.4#

51 24.6 33.8 50.6#

86 46.6 49.4 74.0#

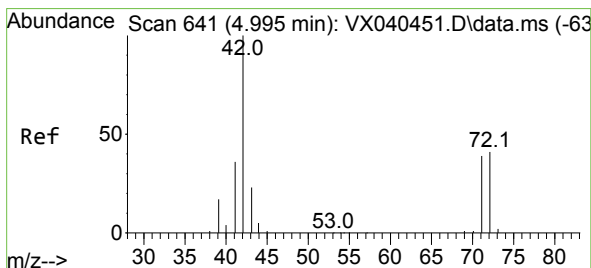
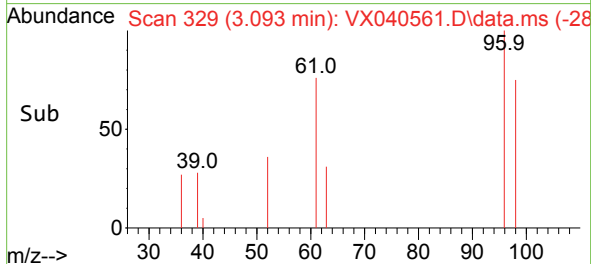
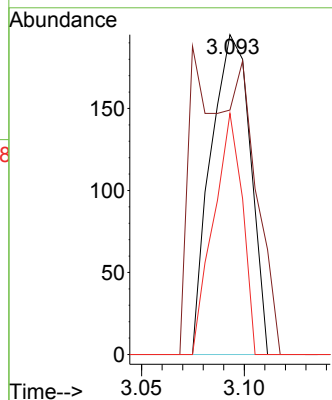
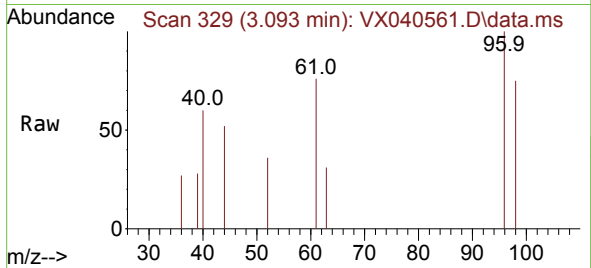




#21
trans-1,2-Dichloroethene
Concen: 0.276 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

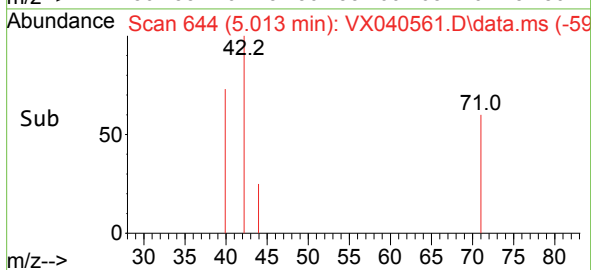
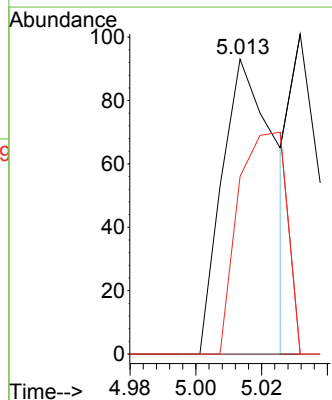
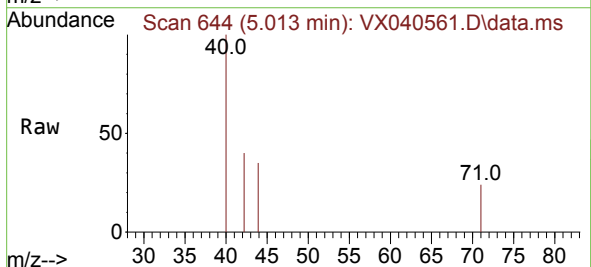
Instrument :
MSVOA_X
ClientSampleId :
VX0304MBL01

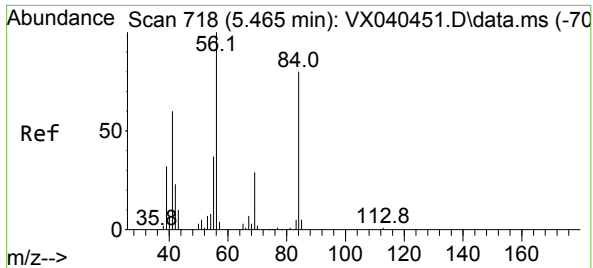
Tgt Ion: 96 Resp: 262
Ion Ratio Lower Upper
96 100
61 76.4 119.2 178.8#
98 75.4 48.7 73.1#



#29
Tetrahydrofuran
Concen: 0.203 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

Tgt Ion: 42 Resp: 105
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 67.6 32.2 48.2#

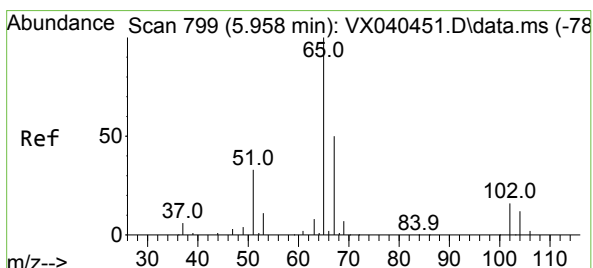
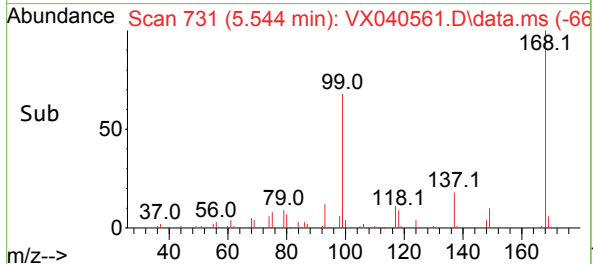
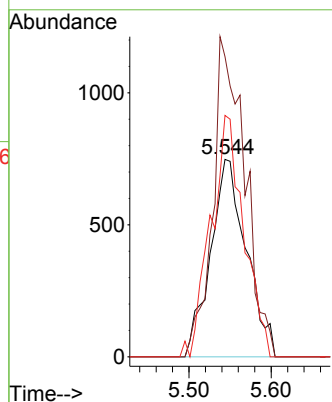
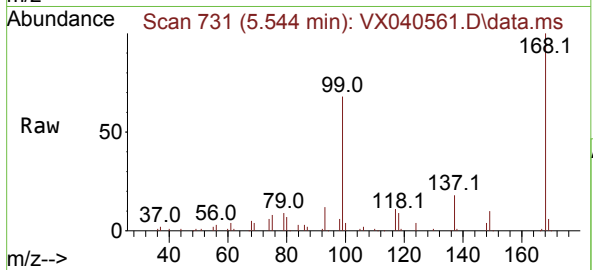




#31
Cyclohexane
Concen: 1.527 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

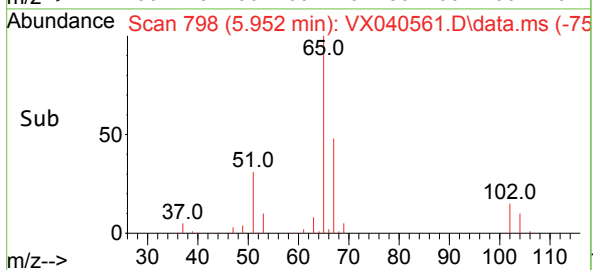
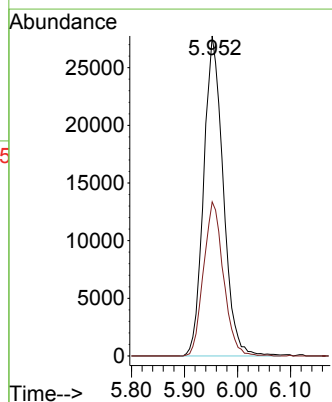
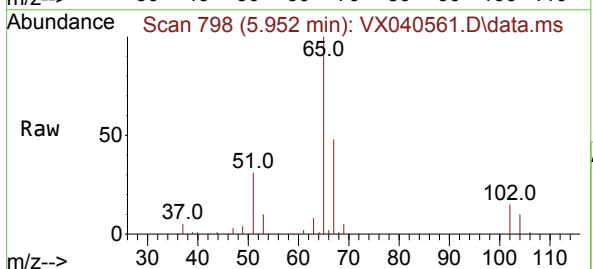
Instrument :
MSVOA_X
ClientSampleId :
VX0304MBL01

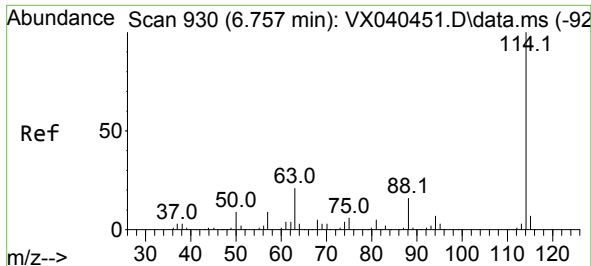
Tgt Ion: 56 Resp: 2257
Ion Ratio Lower Upper
56 100
69 152.0 23.4 35.2#
84 122.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 54.587 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

Tgt Ion: 65 Resp: 71204
Ion Ratio Lower Upper
65 100
67 48.9 0.0 100.2

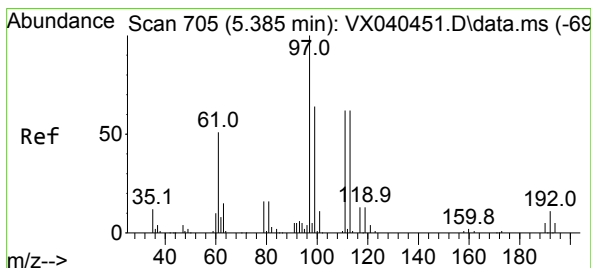
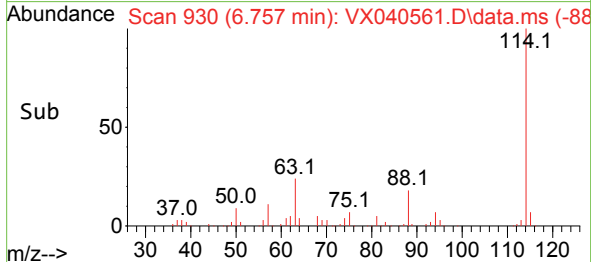
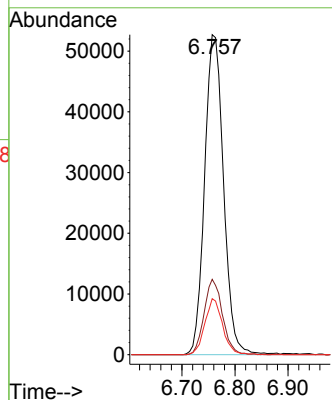
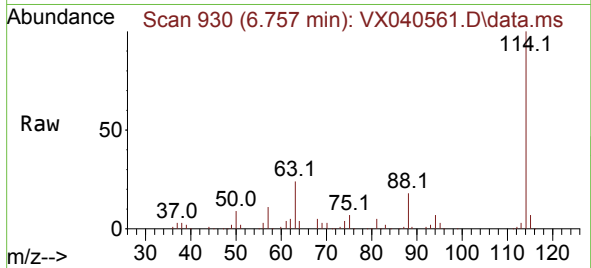




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

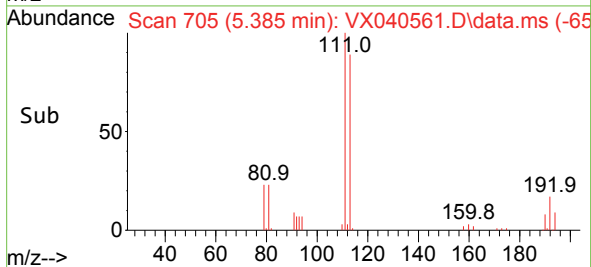
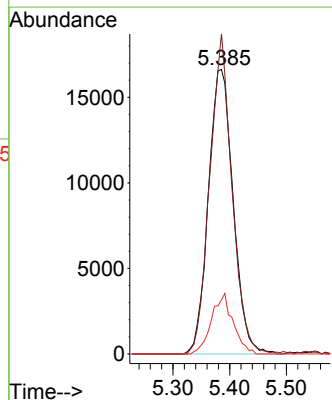
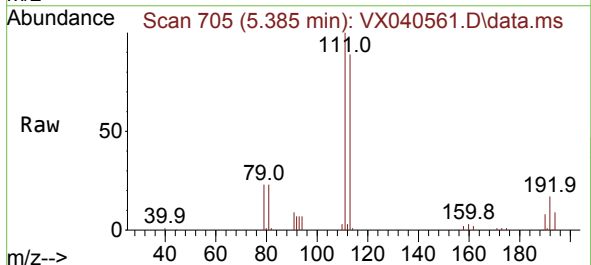
Instrument :
MSVOA_X
ClientSampleId :
VX0304MBL01

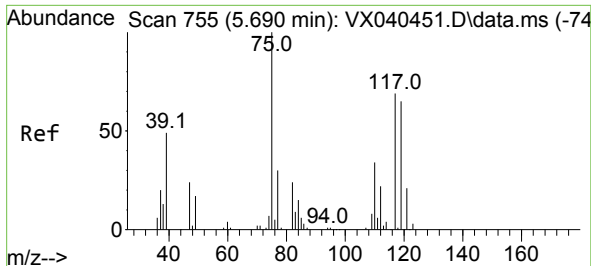
Tgt Ion:114 Resp: 130985
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.0
88 17.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 55.488 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

Tgt Ion:113 Resp: 50542
Ion Ratio Lower Upper
113 100
111 100.6 82.9 124.3
192 18.5 13.3 19.9

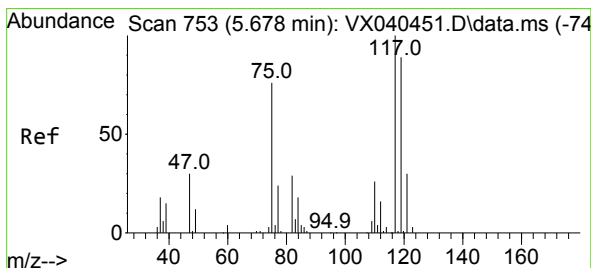
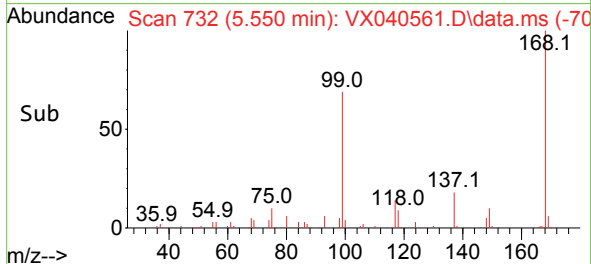
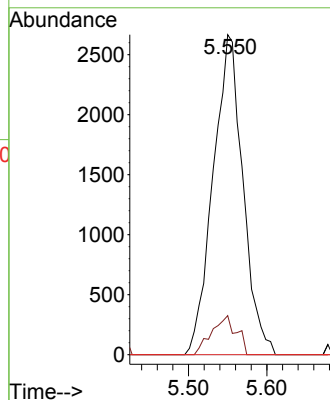
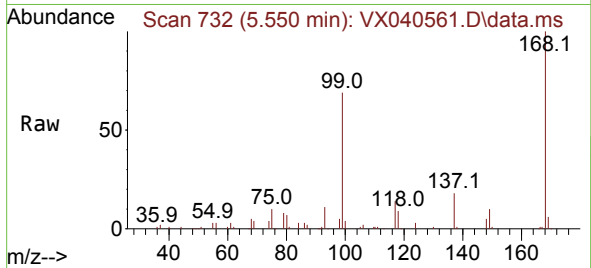




#36
1,1-Dichloropropene
Concen: 5.031 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

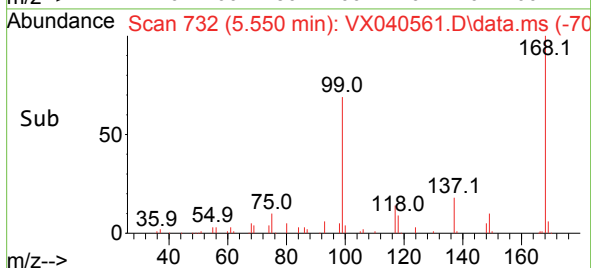
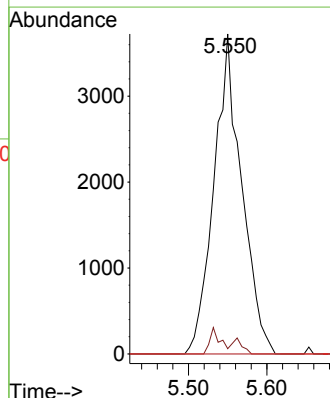
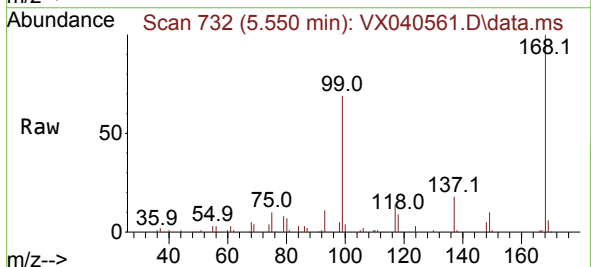
Instrument :
MSVOA_X
ClientSampleId :
VX0304MBL01

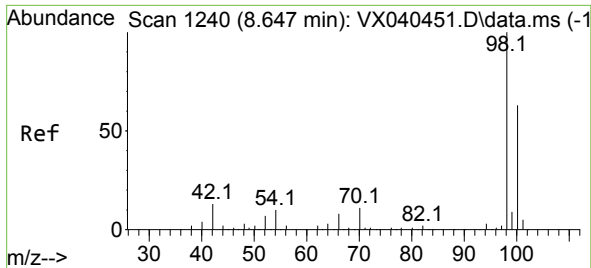
Tgt Ion: 75 Resp: 7060
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.754 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

Tgt Ion: 117 Resp: 9157
Ion Ratio Lower Upper
117 100
119 1.7 78.2 117.2#
121 0.0 24.4 36.6#

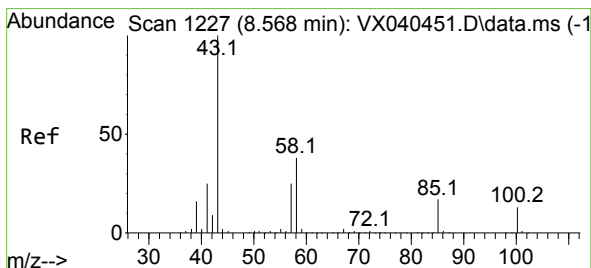
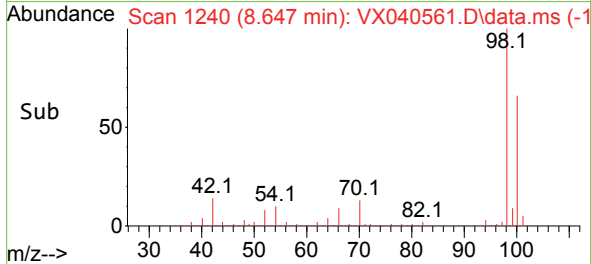
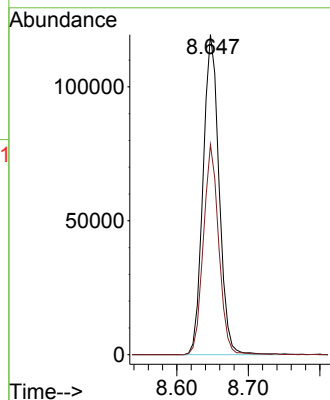
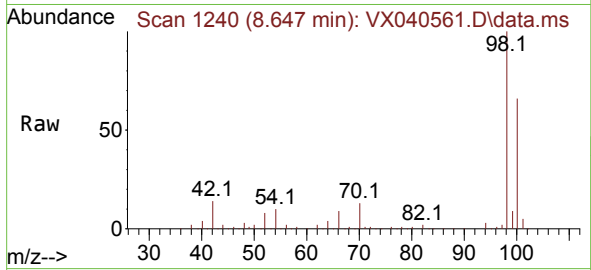




#50
Toluene-d8
Concen: 56.120 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

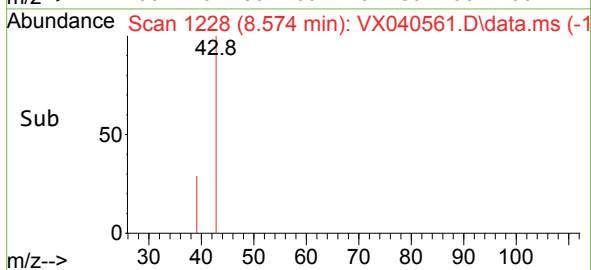
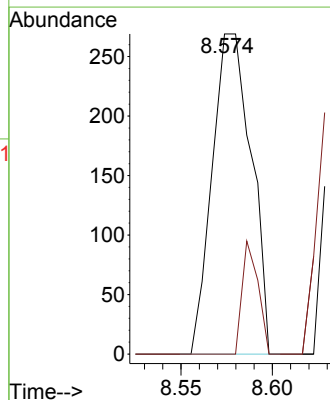
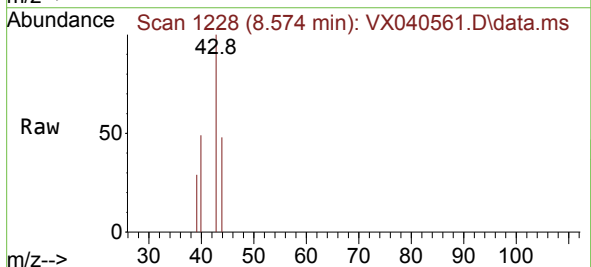
Instrument :
MSVOA_X
ClientSampleId :
VX0304MBL01

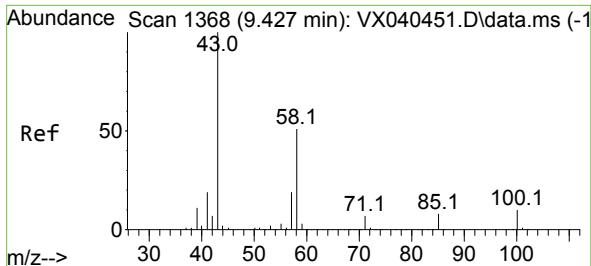
Tgt Ion: 98 Resp: 185551
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.251 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 14.2 30.4 45.6#





#59

2-Hexanone

Concen: 0.571 ug/l

RT: 9.446 min Scan# 1371

Delta R.T. 0.018 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

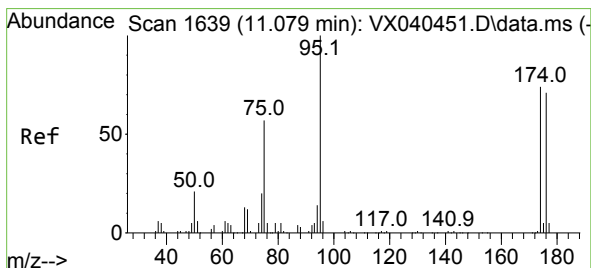
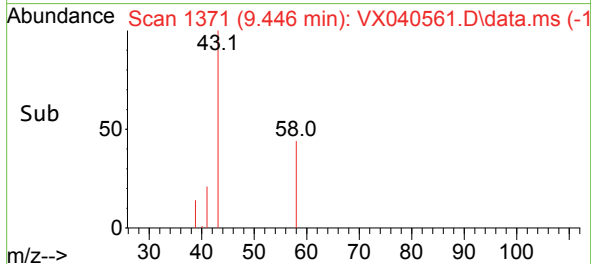
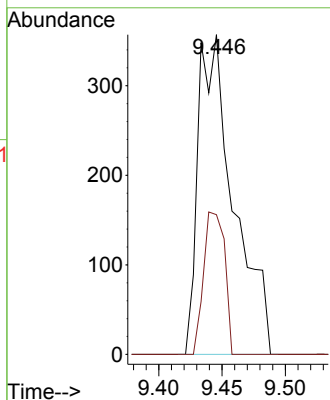
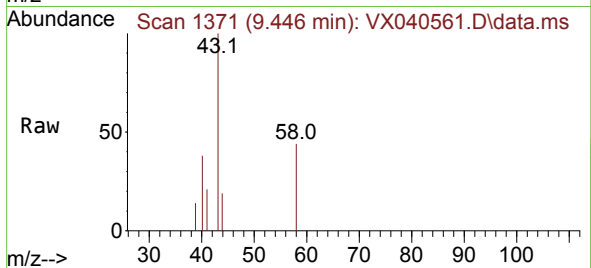
VX0304MBL01

Tgt Ion: 43 Resp: 700

Ion Ratio Lower Upper

43 100

58 26.3 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 57.212 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

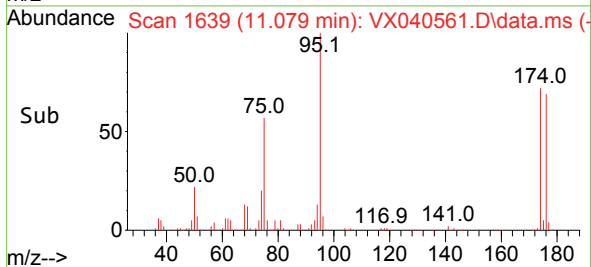
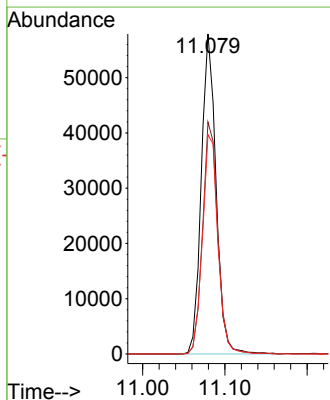
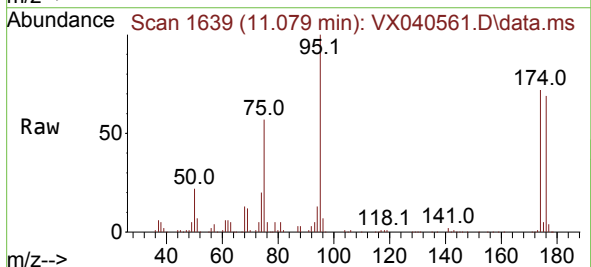
Tgt Ion: 95 Resp: 72106

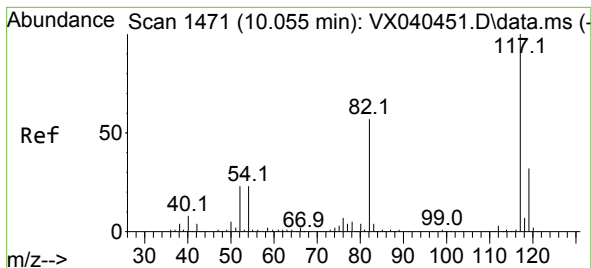
Ion Ratio Lower Upper

95 100

174 74.8 0.0 135.6

176 71.8 0.0 131.0

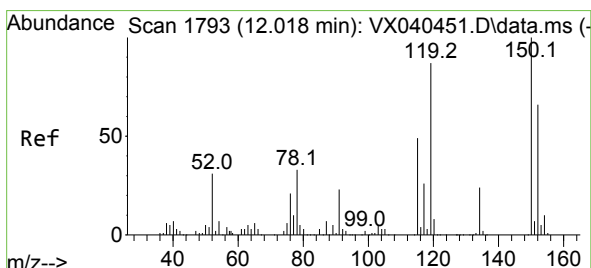
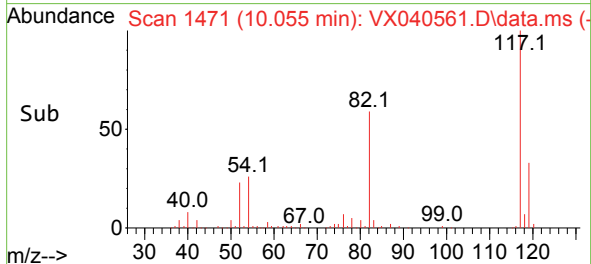
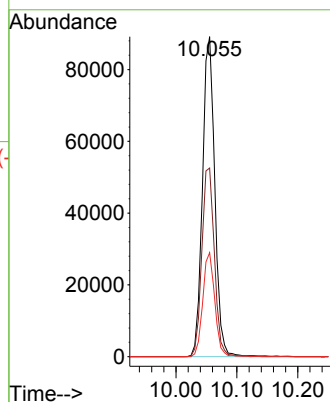
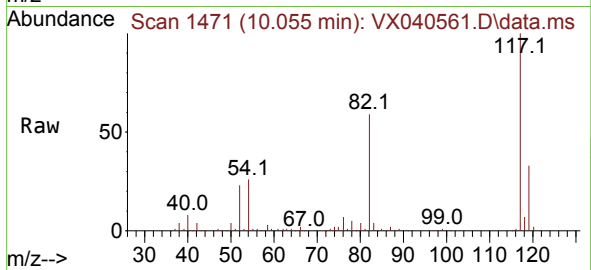




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

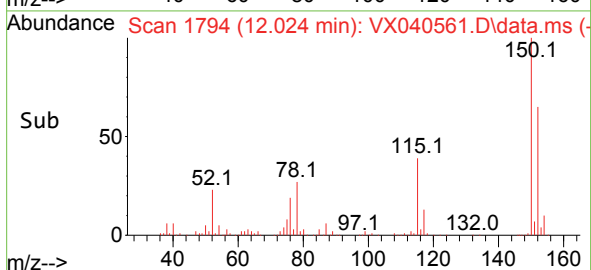
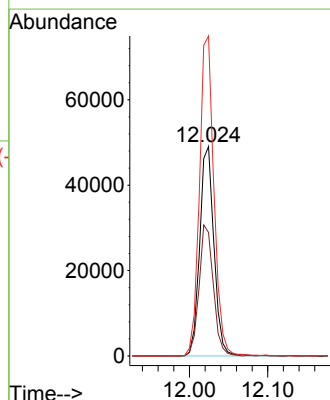
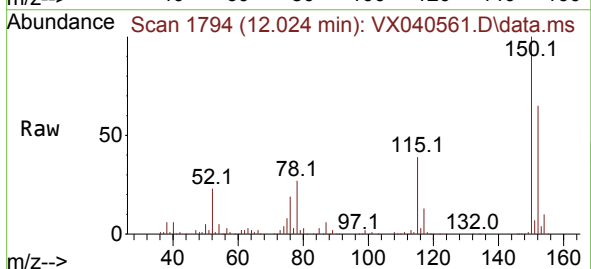
Instrument :
MSVOA_X
ClientSampleId :
VX0304MBL01

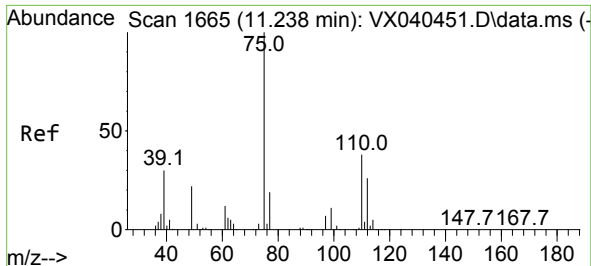
Tgt Ion:117 Resp: 125460
Ion Ratio Lower Upper
117 100
82 59.0 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

Tgt Ion:152 Resp: 62175
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 155.1 0.0 345.0

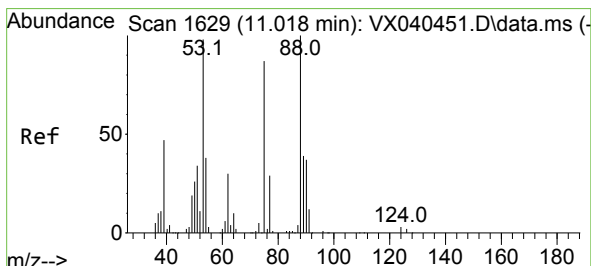
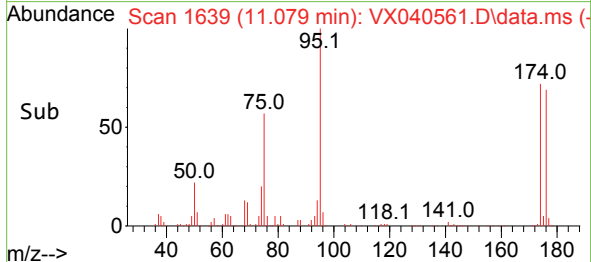
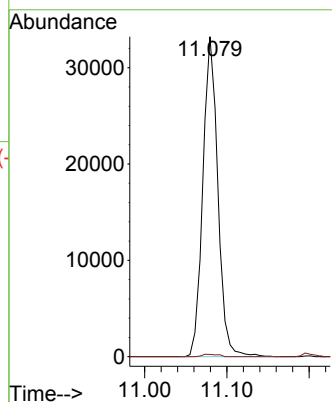
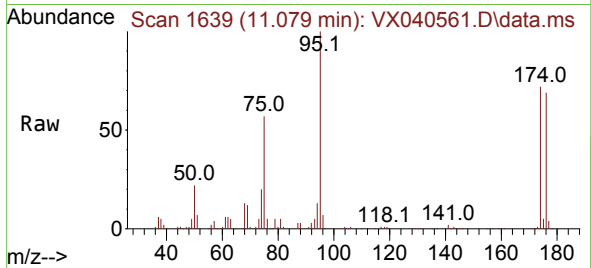




#76
1,2,3-Trichloropropane
Concen: 30.713 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

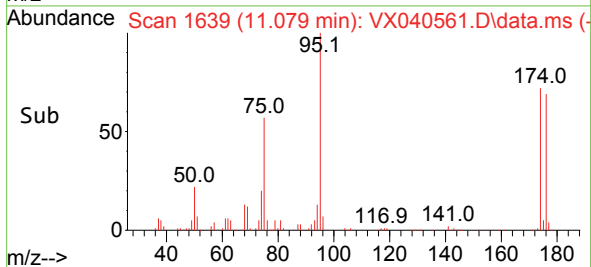
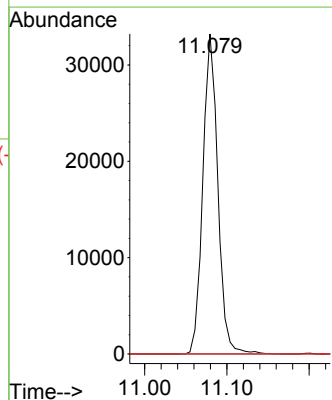
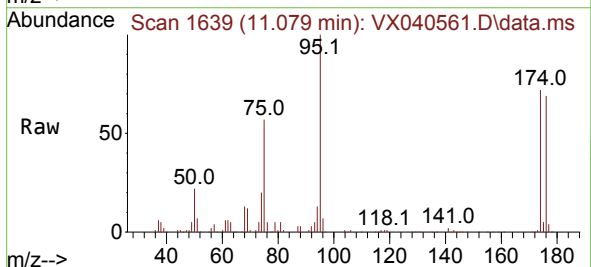
Instrument :
MSVOA_X
ClientSampleId :
VX0304MBL01

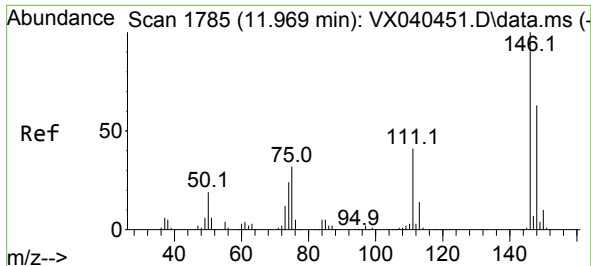
Tgt Ion: 75 Resp: 42027
Ion Ratio Lower Upper
75 100
77 0.8 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040561.D
Acq: 04 Mar 2024 12:04

Tgt Ion: 75 Resp: 42027
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: 0.278 ug/l

RT: 11.970 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBL01

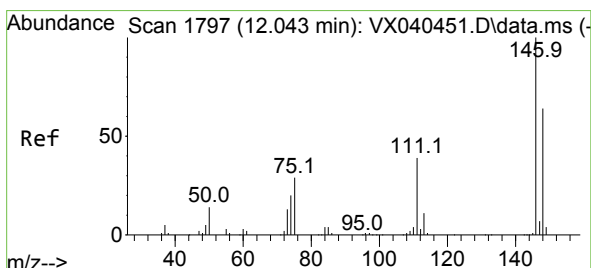
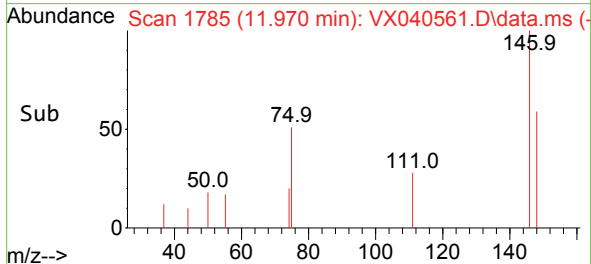
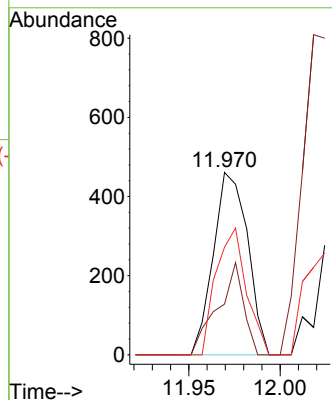
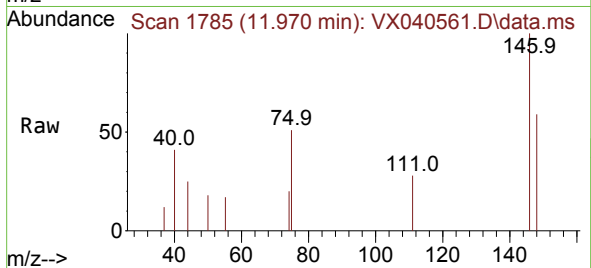
Tgt Ion:146 Resp: 601

Ion Ratio Lower Upper

146 100

111 38.1 22.1 66.1

148 61.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.274 ug/l

RT: 11.970 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

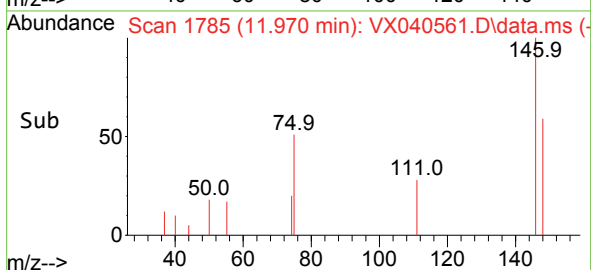
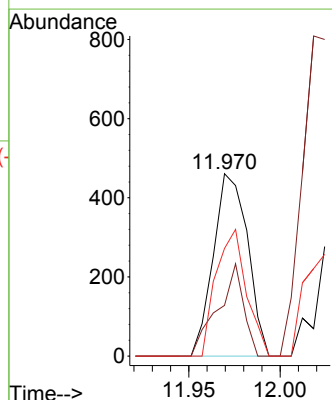
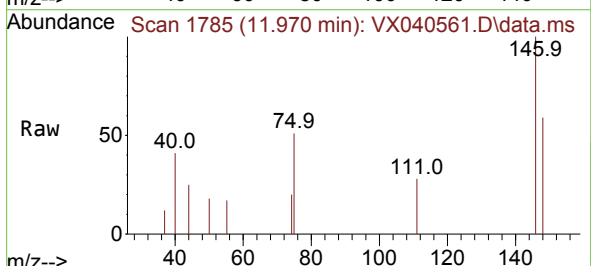
Tgt Ion:146 Resp: 601

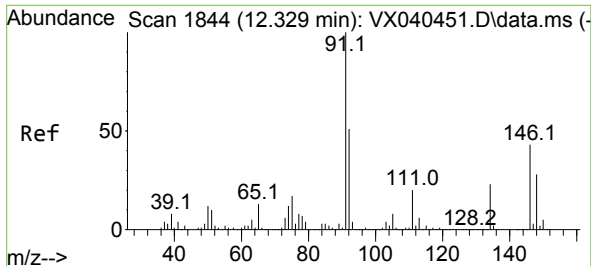
Ion Ratio Lower Upper

146 100

111 38.1 21.3 63.7

148 61.6 31.8 95.4





#89

n-Butylbenzene

Concen: 0.300 ug/l

RT: 12.335 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBL01

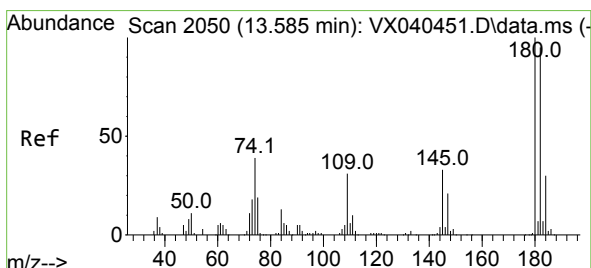
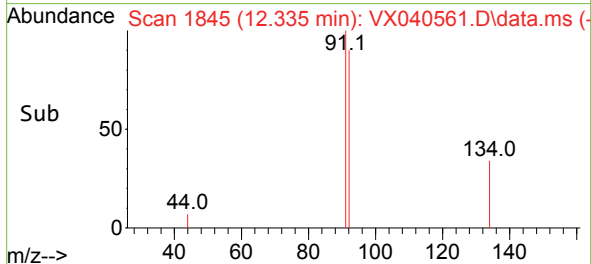
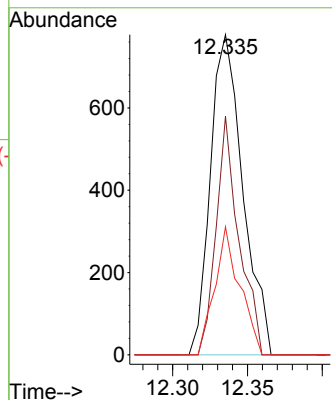
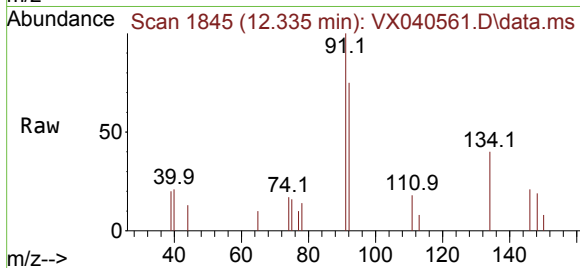
Tgt Ion: 91 Resp: 1174

Ion Ratio Lower Upper

91 100

92 52.4 27.4 82.0

134 30.8 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.561 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

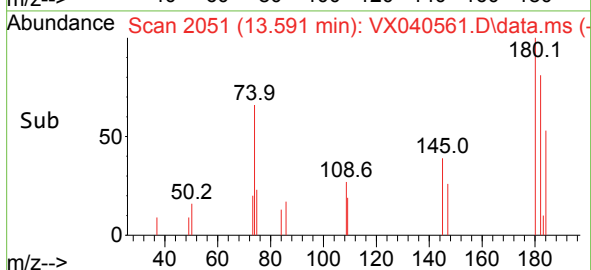
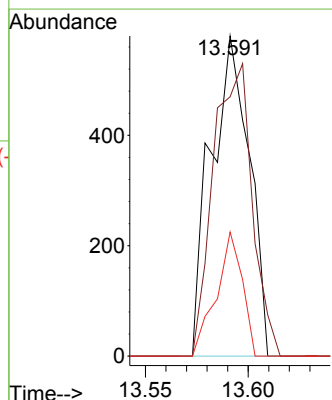
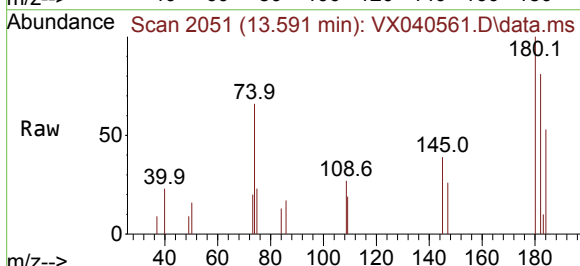
Tgt Ion:180 Resp: 753

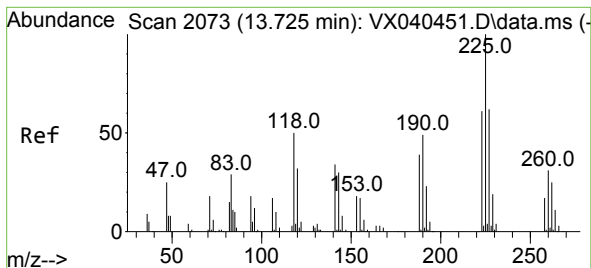
Ion Ratio Lower Upper

180 100

182 92.2 48.3 144.8

145 26.3 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.888 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBL01

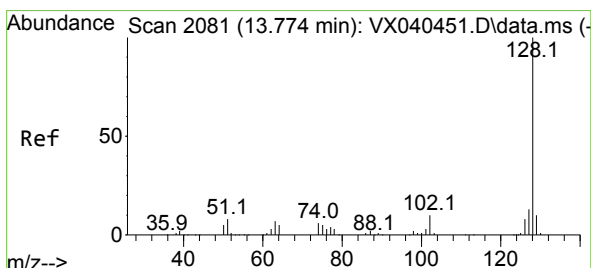
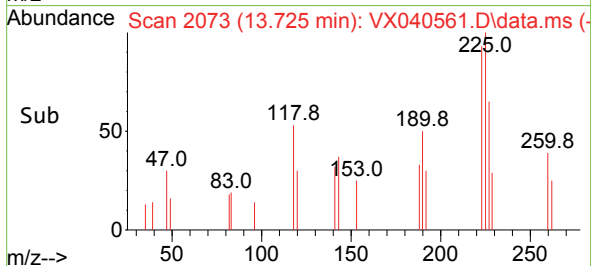
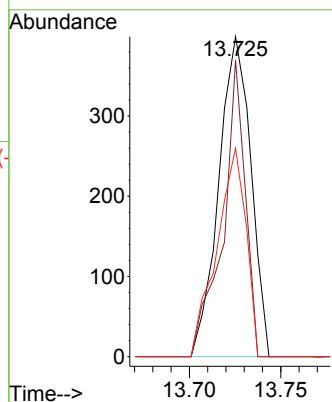
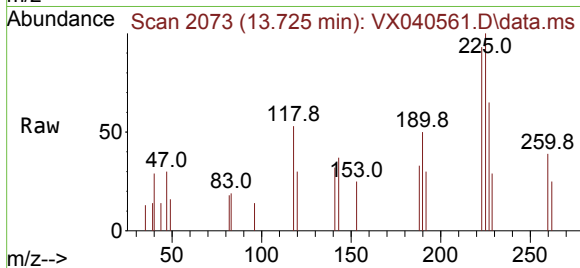
Tgt Ion:225 Resp: 487

Ion Ratio Lower Upper

225 100

223 64.5 31.1 93.2

227 59.5 32.5 97.5



#95

Naphthalene

Concen: 0.840 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040561.D

Acq: 04 Mar 2024 12:04

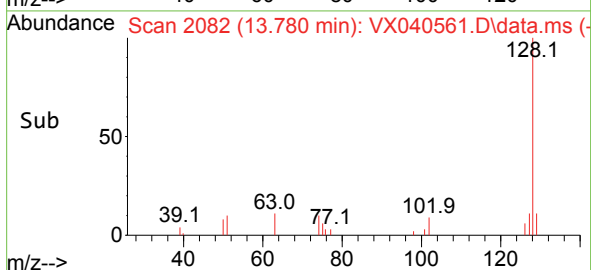
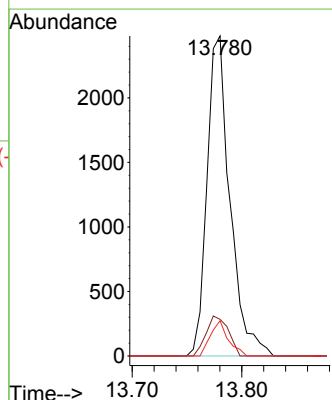
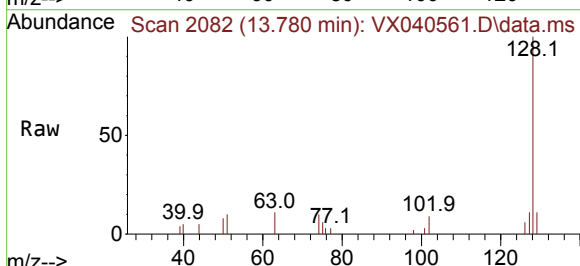
Tgt Ion:128 Resp: 3602

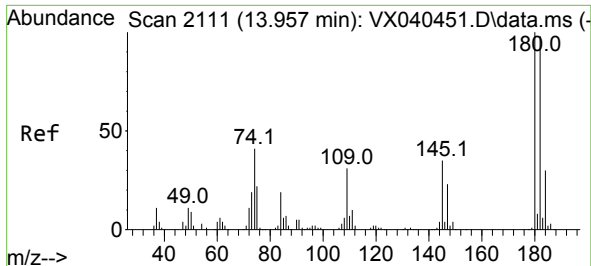
Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 8.5 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.792 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.012 min
 Lab File: VX040561.D
 Acq: 04 Mar 2024 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBL01

Tgt Ion:180 Resp: 1011
 Ion Ratio Lower Upper
 180 100
 182 104.0 46.9 140.6
 145 31.2 17.8 53.5

