

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022924\
 Data File : VX040528.D
 Acq On : 29 Feb 2024 11:43
 Operator : JC/MD
 Sample : VX0229MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0229MBL01

Quant Time: Mar 01 03:44:17 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

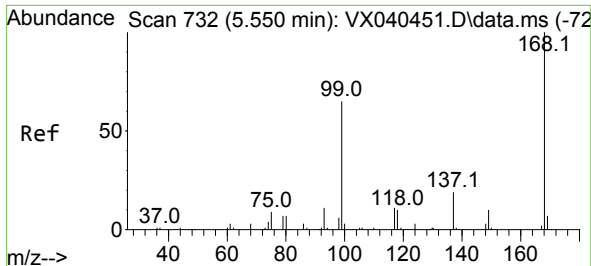
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	79297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	125992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64229	48.428	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.860%		
35) Dibromofluoromethane	5.385	113	45737	52.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.400%		
50) Toluene-d8	8.647	98	155950	49.037	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.080%		
62) 4-Bromofluorobenzene	11.079	95	64438	53.154	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.300%		
Target Compounds						Qvalue
5) Bromomethane	1.617	94	118	0.201	ug/l #	24
10) Methyl Iodide	2.459	142	67	3.075	ug/l #	34
11) Tert butyl alcohol	2.953	59	229	1.027	ug/l #	78
13) Acrolein	2.233	56	274	1.917	ug/l	100
15) Acrylonitrile	3.075	53	509	0.910	ug/l #	94
16) Acetone	2.373	43	428	0.990	ug/l #	47
17) Carbon Disulfide	2.514	76	1607	0.642	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	198	0.206	ug/l #	64
31) Cyclohexane	5.550	56	2338	1.556	ug/l #	55
36) 1,1-Dichloropropene	5.556	75	7376	5.464	ug/l #	49
38) Carbon Tetrachloride	5.550	117	8386	6.431	ug/l #	13
51) 4-Methyl-2-Pentanone	8.574	43	330	0.215	ug/l #	78
59) 2-Hexanone	9.445	43	386	0.328	ug/l	66
68) m/p-Xylenes	10.305	106	361	0.210	ug/l #	67
76) 1,2,3-Trichloropropane	11.079	75	37478	26.585	ug/l #	38
77) Bromobenzene	11.201	156	261	0.234	ug/l	69
78) n-propylbenzene	11.305	91	1246	0.213	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	37478	77.243	ug/l #	5
82) 4-Chlorotoluene	11.457	91	977	0.240	ug/l	96
85) sec-Butylbenzene	11.896	105	1192	0.240	ug/l	89
86) p-Isopropyltoluene	12.006	119	1066	0.260	ug/l #	79
87) 1,3-Dichlorobenzene	11.975	146	849	0.382	ug/l	89
88) 1,4-Dichlorobenzene	11.975	146	849	0.375	ug/l	89
89) n-Butylbenzene	12.335	91	1913	0.475	ug/l	90
91) 1,2-Dichlorobenzene	12.341	146	489	0.231	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	1114	0.806	ug/l	93
94) Hexachlorobutadiene	13.725	225	673	1.191	ug/l	95
95) Naphthalene	13.780	128	3310	0.749	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	956	0.727	ug/l	85

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

Quant Time: Mar 01 03:44:17 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

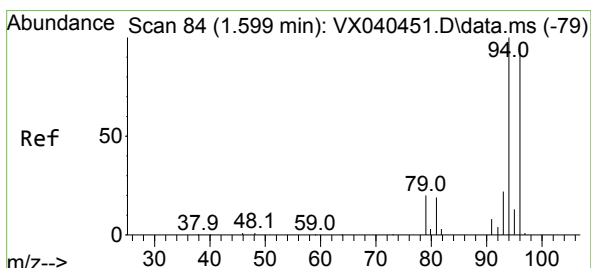
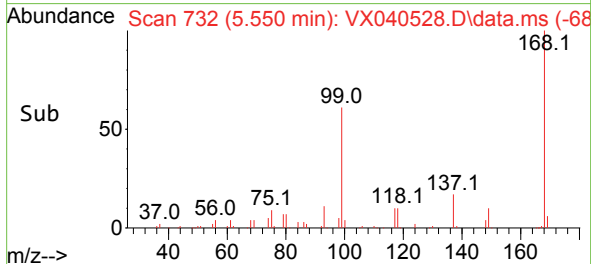
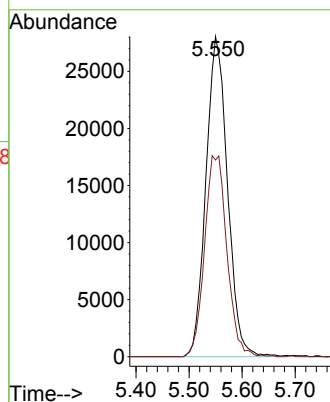
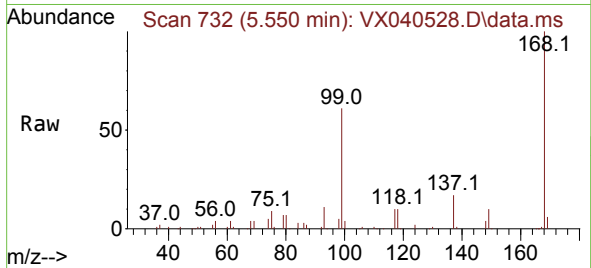




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

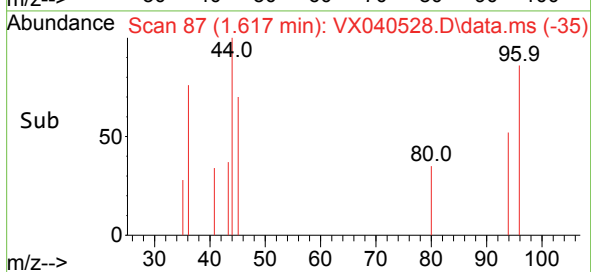
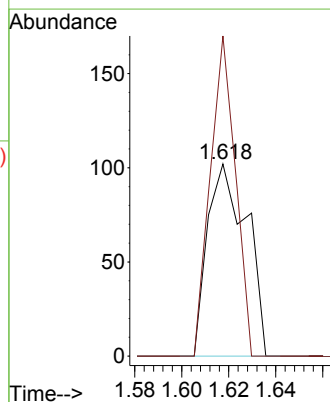
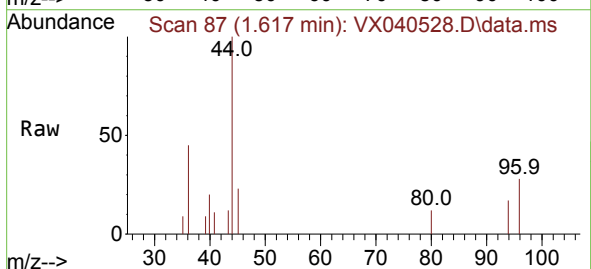
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

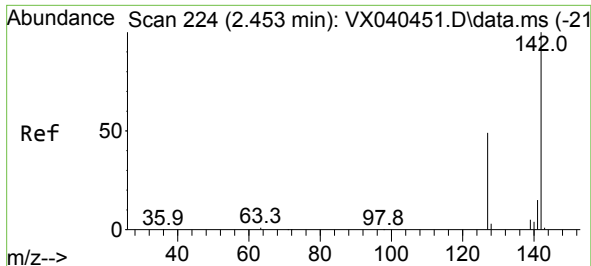
Tgt Ion:168 Resp: 79297
Ion Ratio Lower Upper
168 100
99 61.5 56.6 85.0



#5
Bromomethane
Concen: 0.201 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 166.7 74.6 111.8#

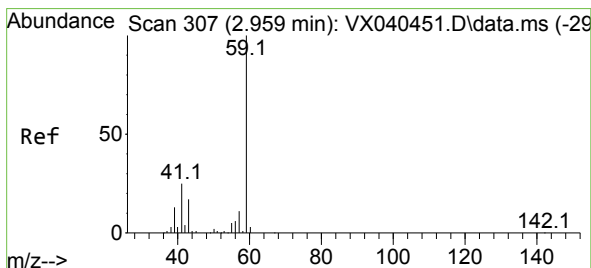
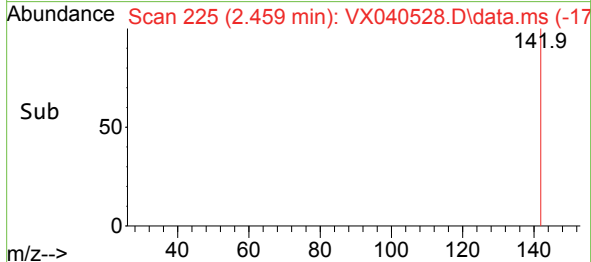
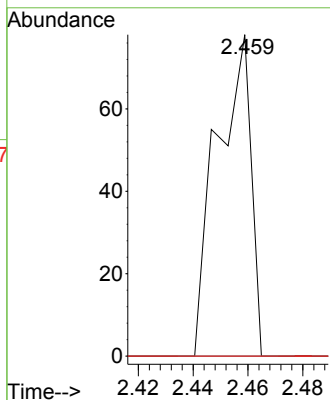
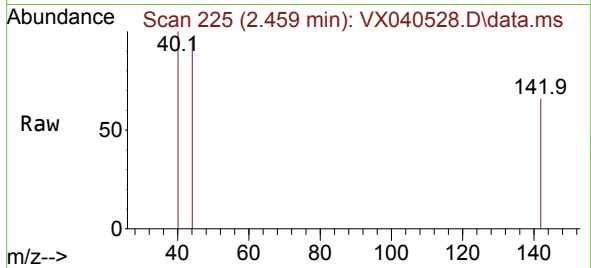




#10
Methyl Iodide
Concen: 3.075 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

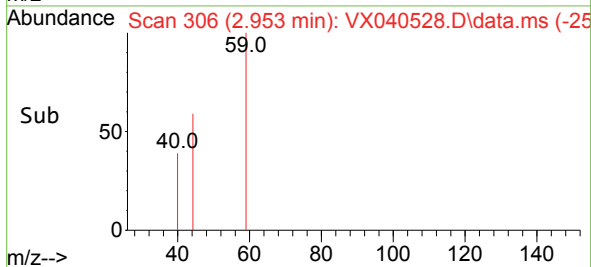
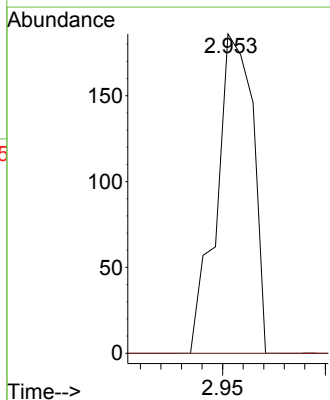
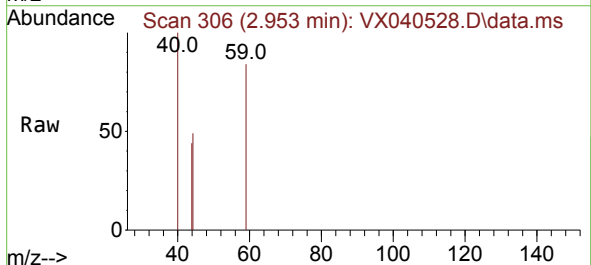
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

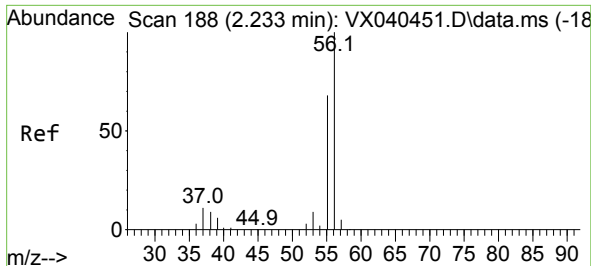
Tgt Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.027 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

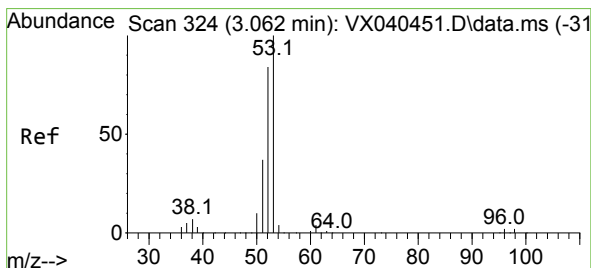
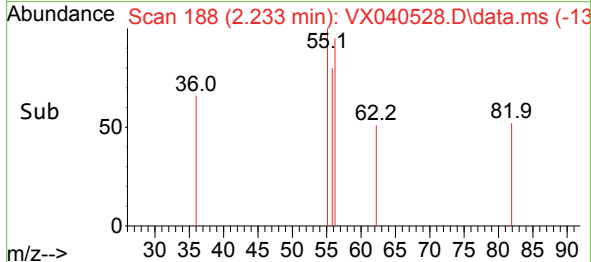
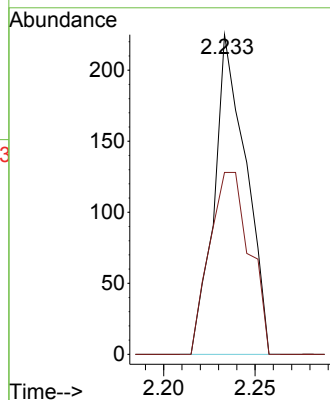
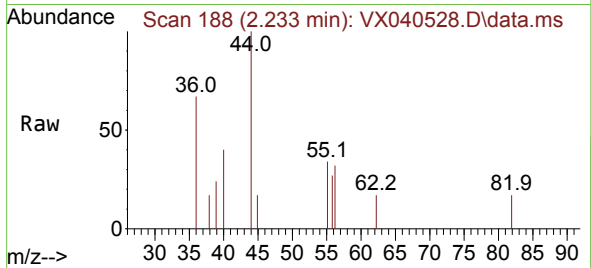




#13
Acrolein
Concen: 1.917 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

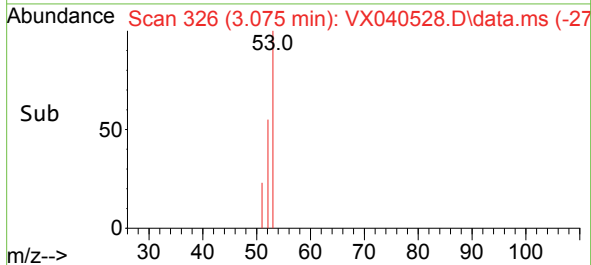
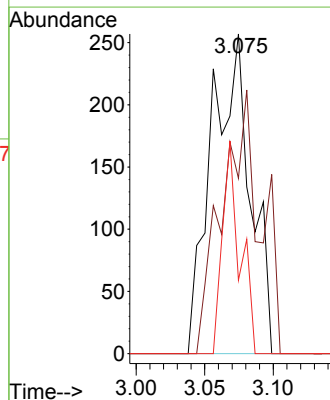
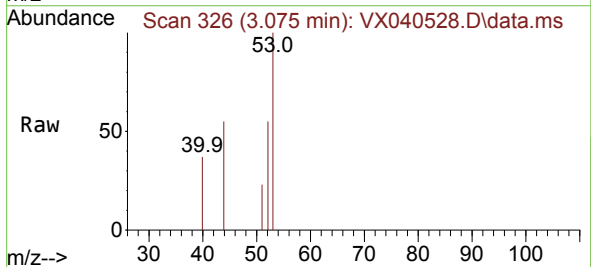
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

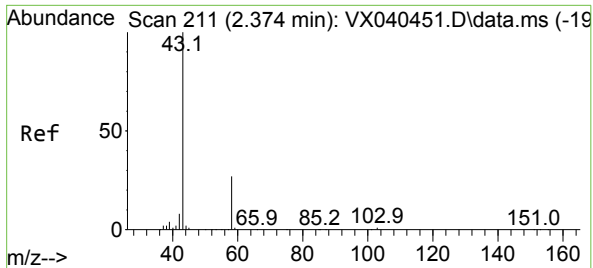
Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 71.5 57.1 85.7



#15
Acrylonitrile
Concen: 0.910 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 53 Resp: 509
Ion Ratio Lower Upper
53 100
52 80.4 66.0 99.0
51 29.7 29.8 44.6#

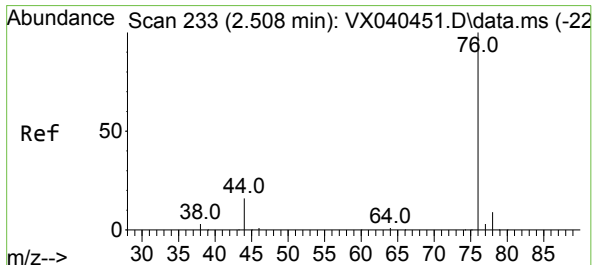
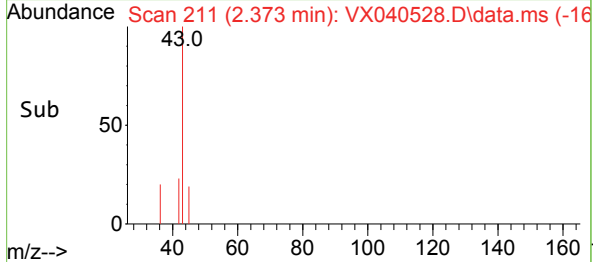
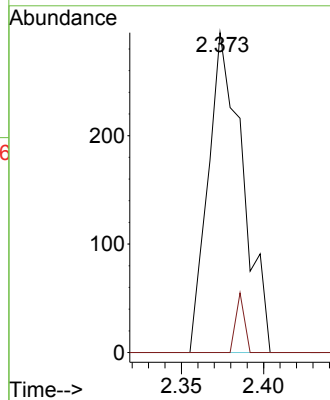
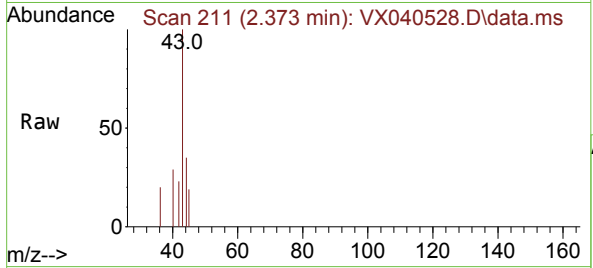




#16
Acetone
Concen: 0.990 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

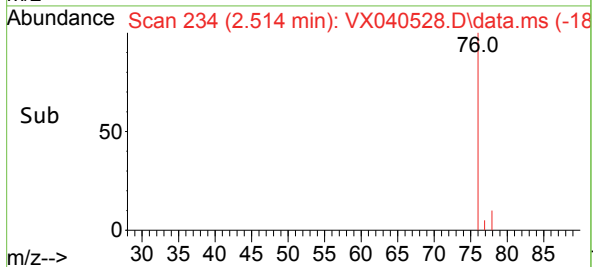
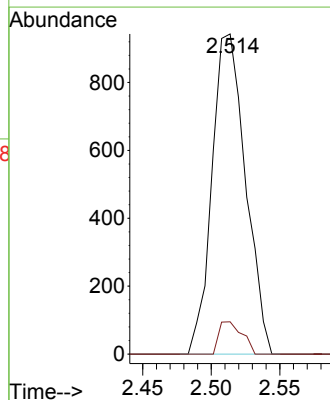
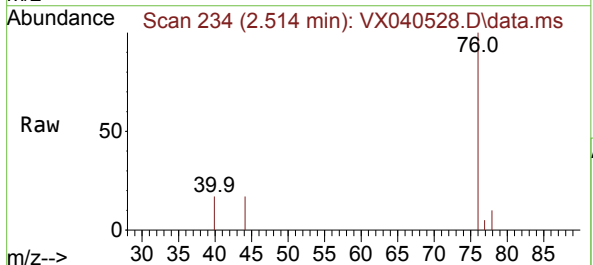
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

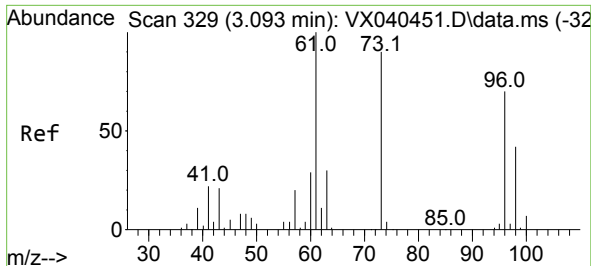
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.642 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 76 Resp: 1607
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.6

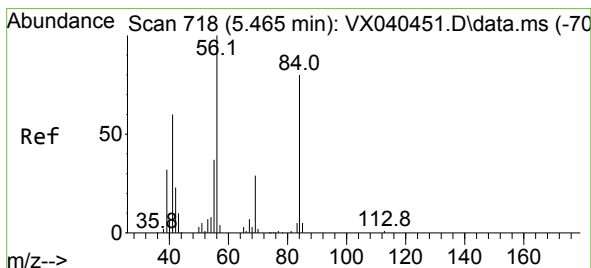
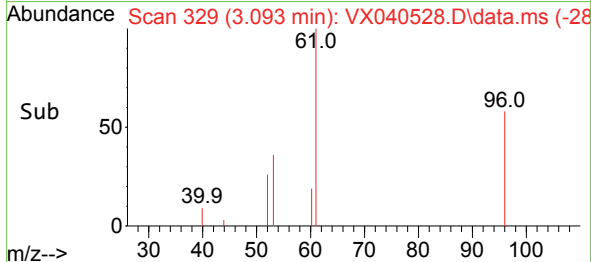
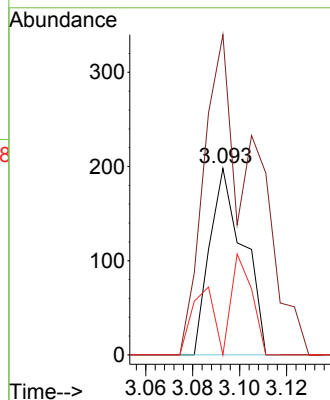
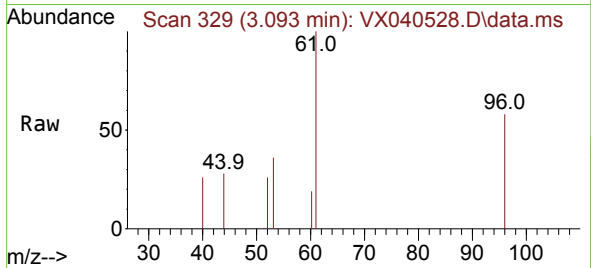




#21
trans-1,2-Dichloroethene
Concen: 0.206 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

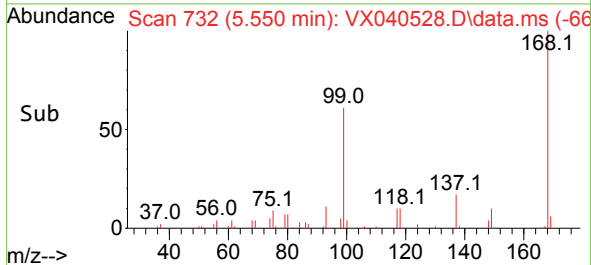
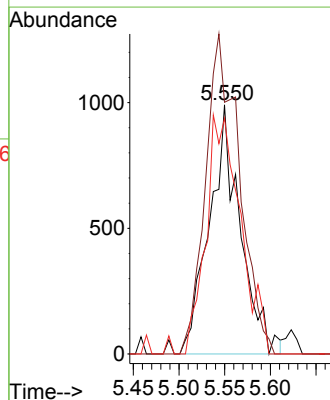
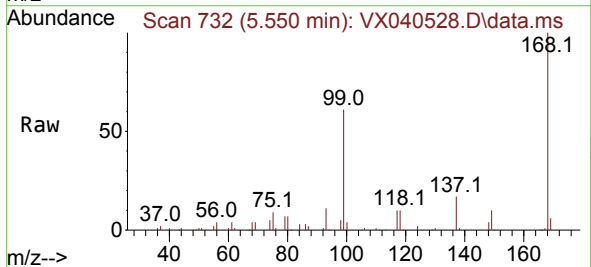
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

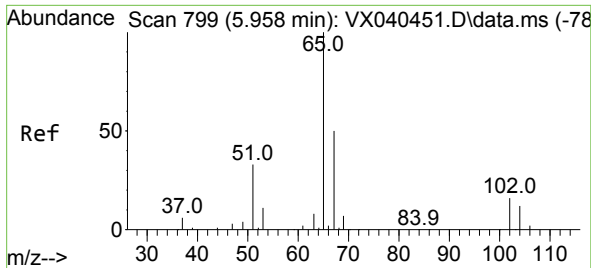
Tgt Ion: 96 Resp: 198
Ion Ratio Lower Upper
96 100
61 171.7 119.2 178.8
98 0.0 48.7 73.1#



#31
Cyclohexane
Concen: 1.556 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 56 Resp: 2338
Ion Ratio Lower Upper
56 100
69 101.0 23.4 35.2#
84 94.7 65.9 98.9

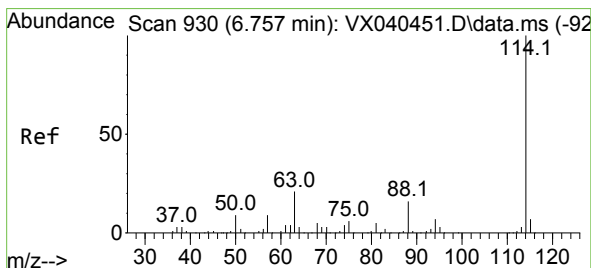
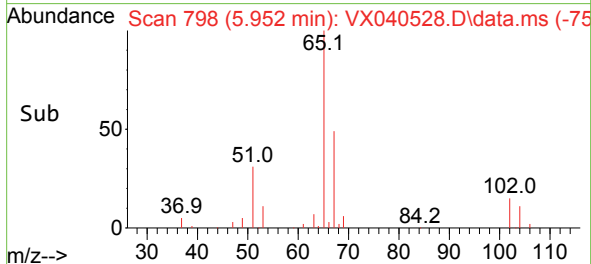
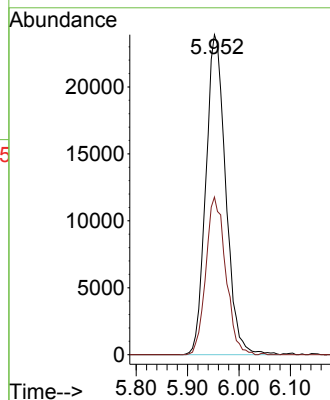
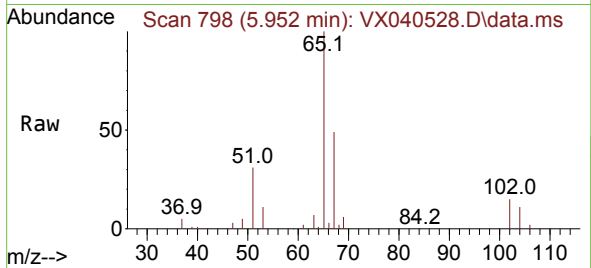




#33
 1,2-Dichloroethane-d4
 Concen: 48.428 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX040528.D
 Acq: 29 Feb 2024 11:43

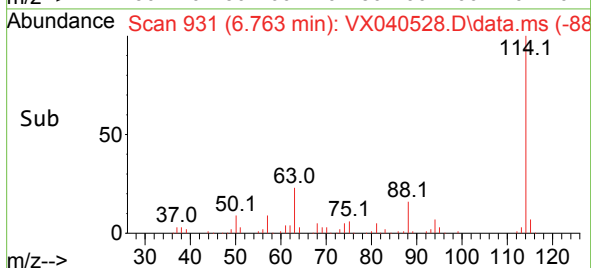
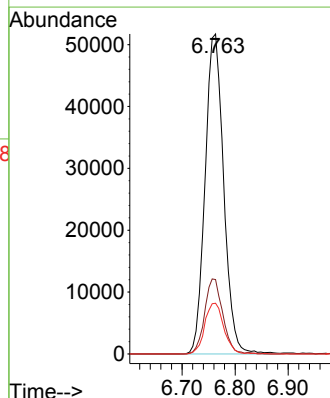
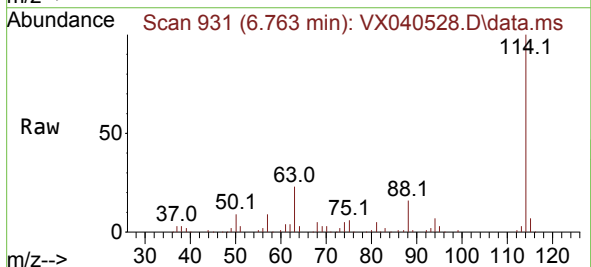
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0229MBL01

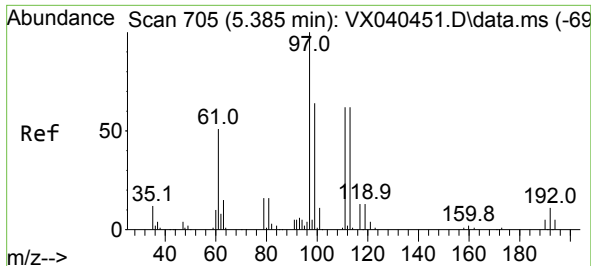
Tgt Ion: 65 Resp: 64229
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX040528.D
 Acq: 29 Feb 2024 11:43

Tgt Ion: 114 Resp: 125992
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.0
 88 15.9 0.0 36.6

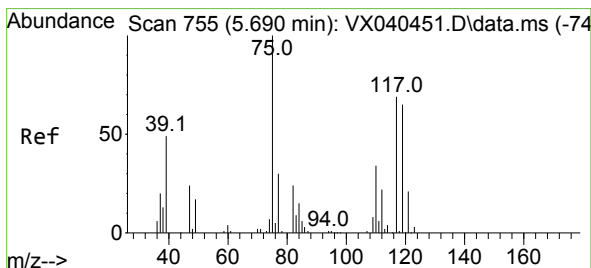
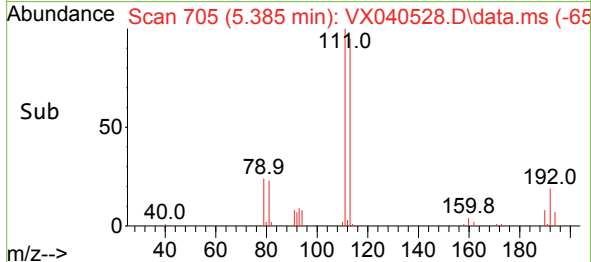
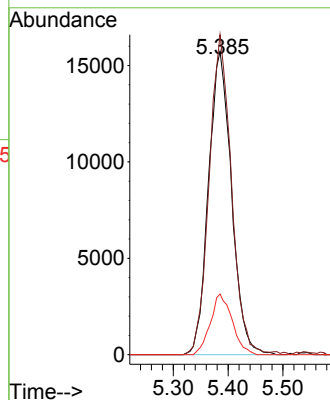
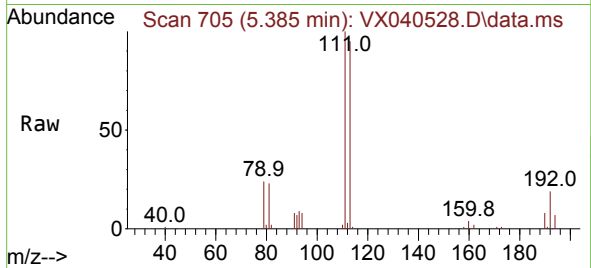




#35
Dibromofluoromethane
Concen: 52.203 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

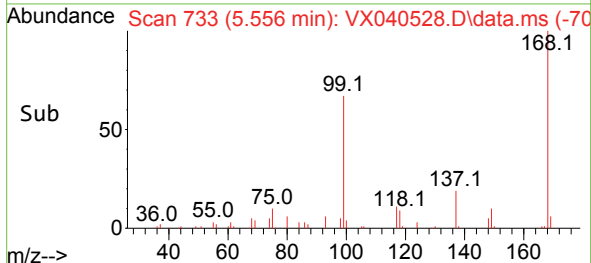
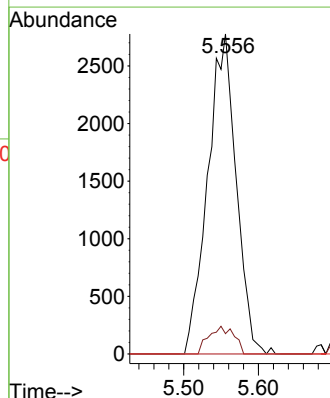
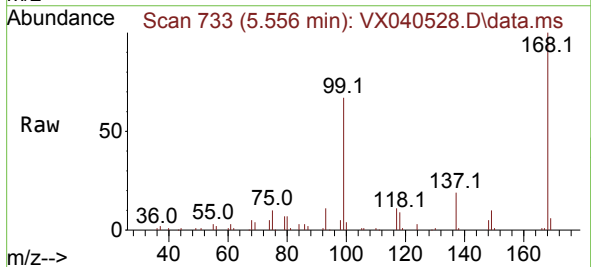
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

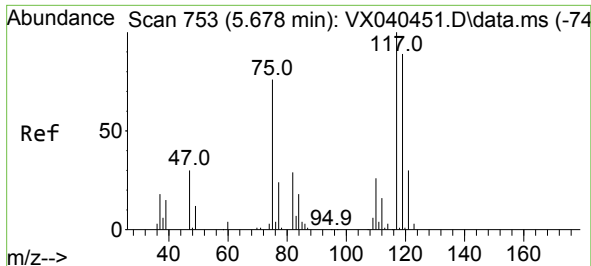
Tgt Ion:113 Resp: 45737
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 19.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.464 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

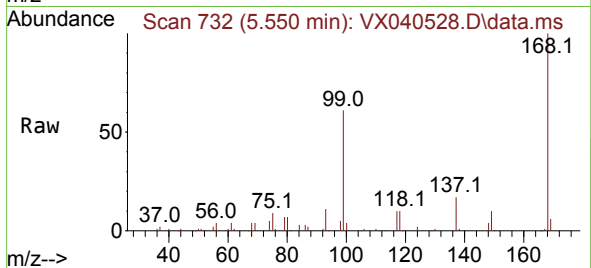
Tgt Ion: 75 Resp: 7376
Ion Ratio Lower Upper
75 100
110 7.6 17.0 50.9#
77 0.0 24.7 37.1#



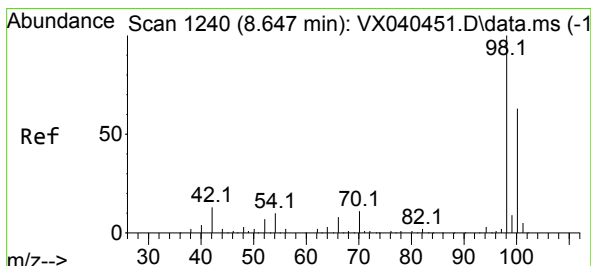
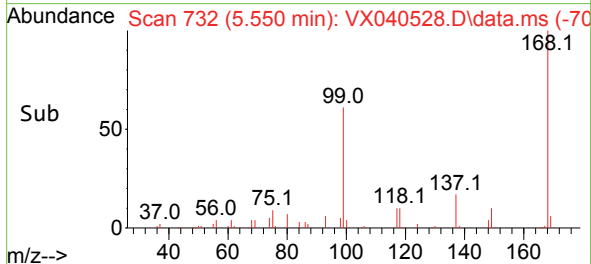
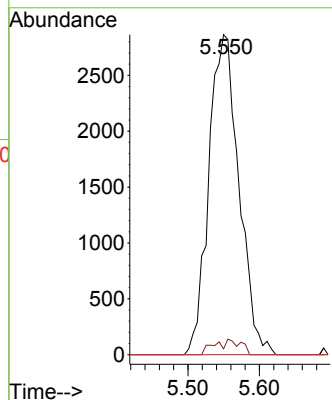


#38
Carbon Tetrachloride
Concen: 6.431 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

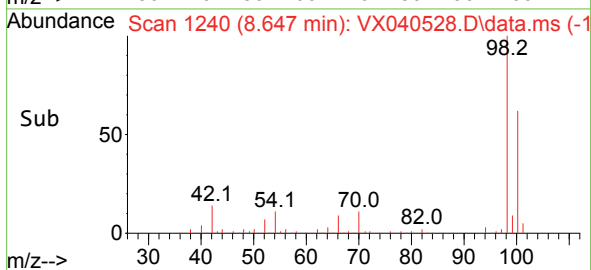
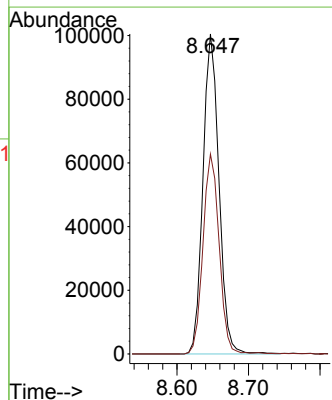
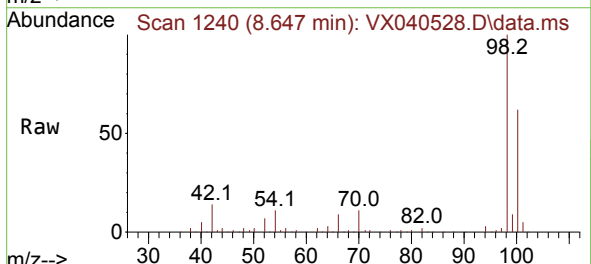


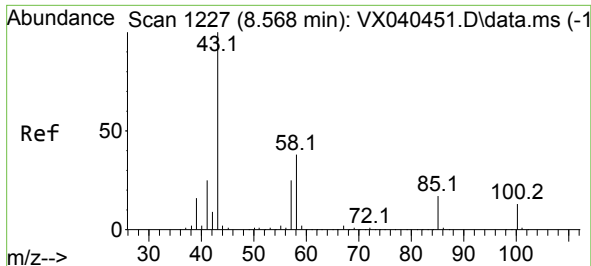
Tgt Ion:117 Resp: 8386
Ion Ratio Lower Upper
117 100
119 1.8 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.037 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 98 Resp: 155950
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040528.D

Acq: 29 Feb 2024 11:43

Instrument :

MSVOA_X

ClientSampleId :

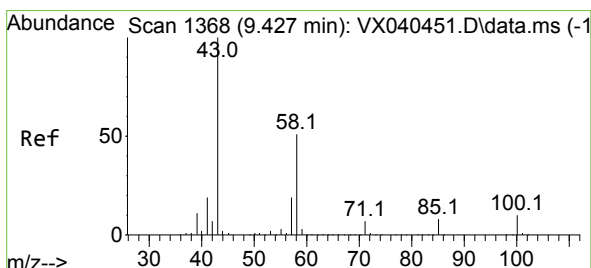
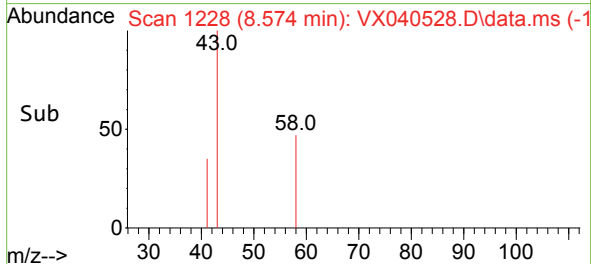
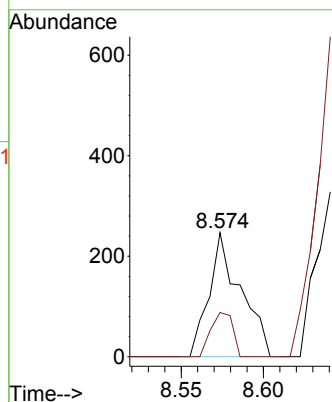
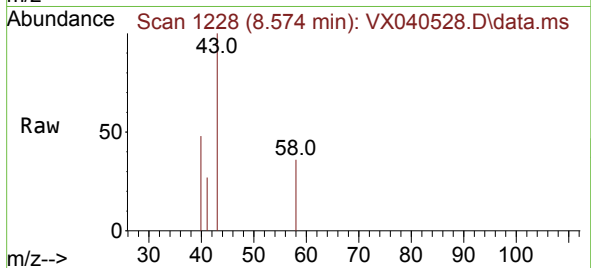
VX0229MBL01

Tgt Ion: 43 Resp: 330

Ion Ratio Lower Upper

43 100

58 24.5 30.4 45.6#



#59

2-Hexanone

Concen: 0.328 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.018 min

Lab File: VX040528.D

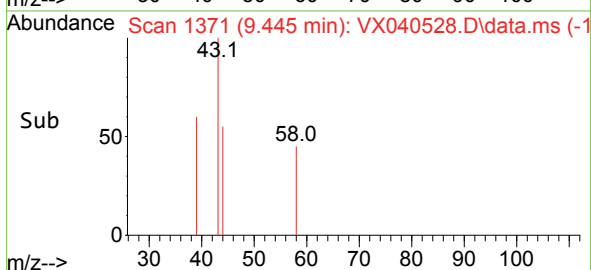
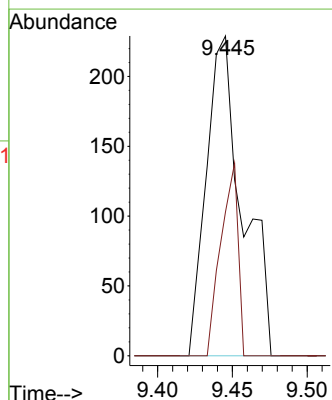
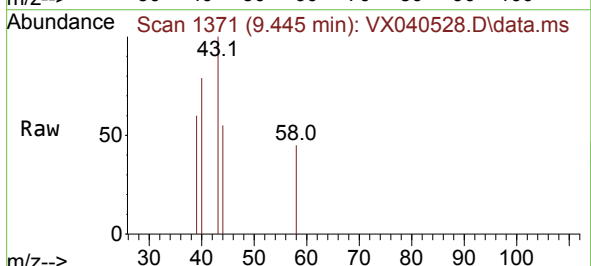
Acq: 29 Feb 2024 11:43

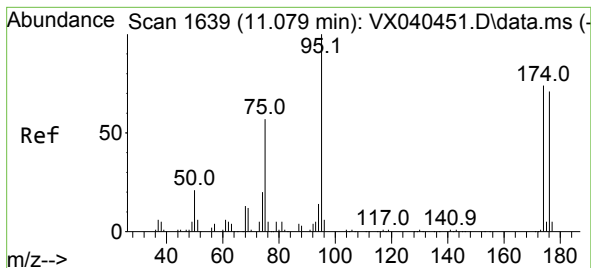
Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

43 100

58 28.5 26.2 78.5

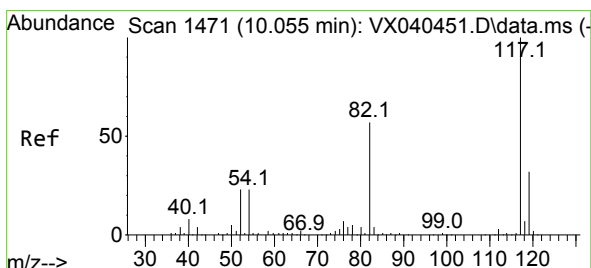
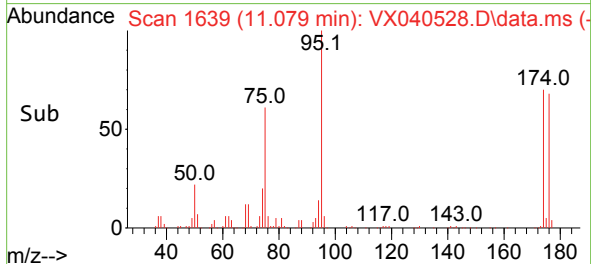
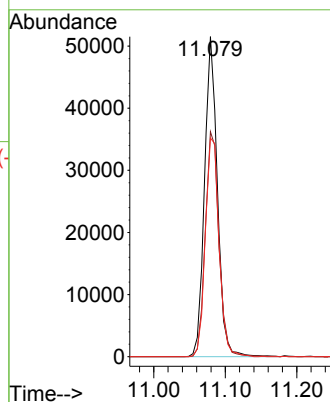
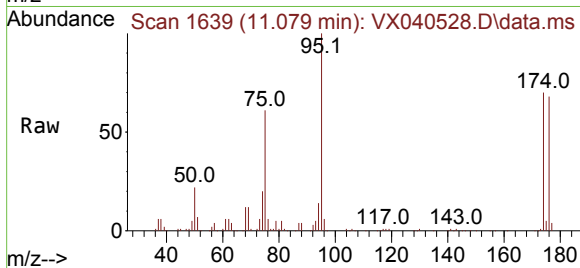




#62
4-Bromofluorobenzene
Concen: 53.154 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

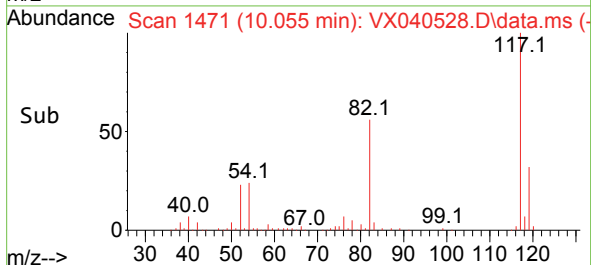
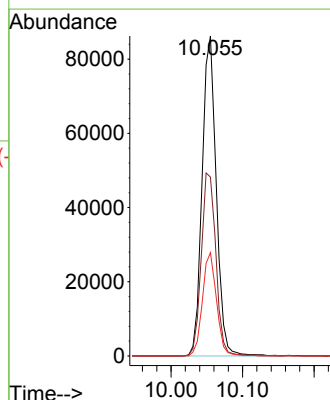
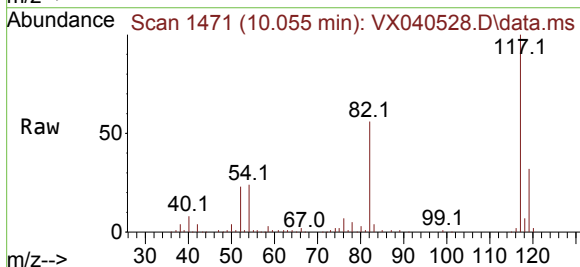
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

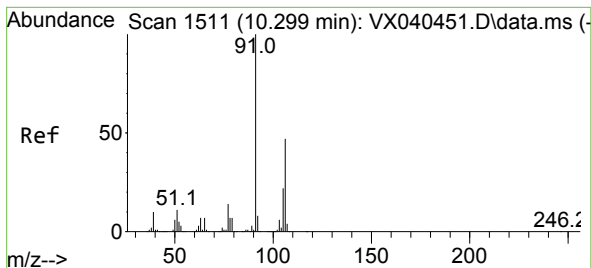
Tgt Ion: 95 Resp: 64438
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 73.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 117 Resp: 118451
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.3 25.5 38.3

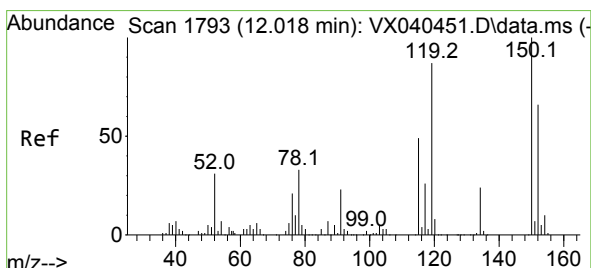
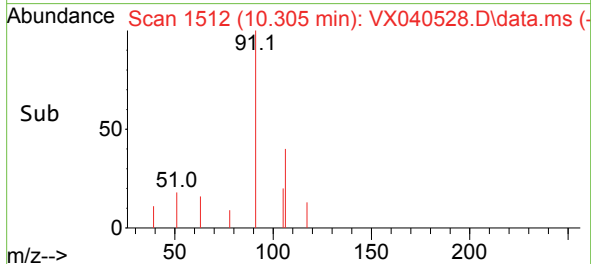
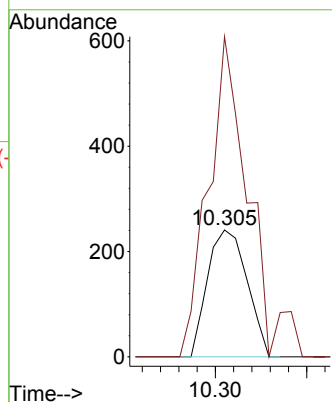
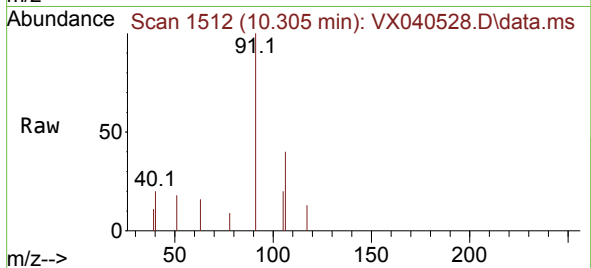




#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

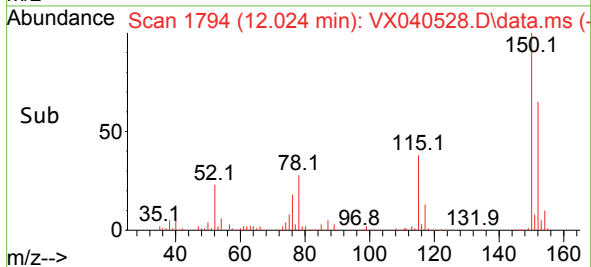
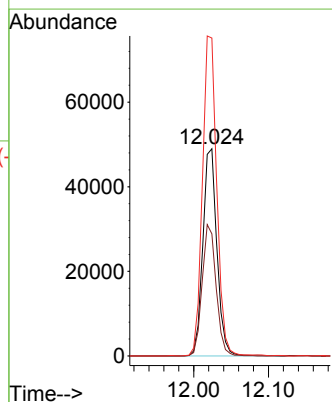
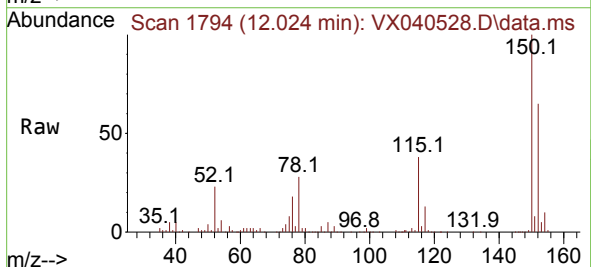
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

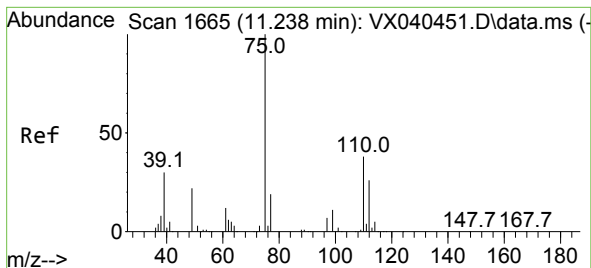
Tgt Ion:106 Resp: 361
Ion Ratio Lower Upper
106 100
91 257.3 165.5 248.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion:152 Resp: 64055
Ion Ratio Lower Upper
152 100
115 62.8 43.3 129.9
150 157.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.585 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX040528.D

Acq: 29 Feb 2024 11:43

Instrument :

MSVOA_X

ClientSampleId :

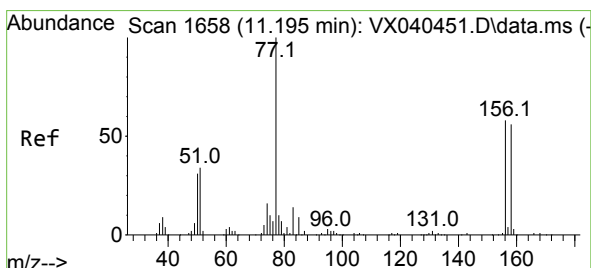
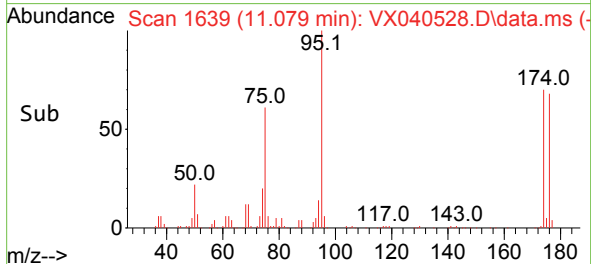
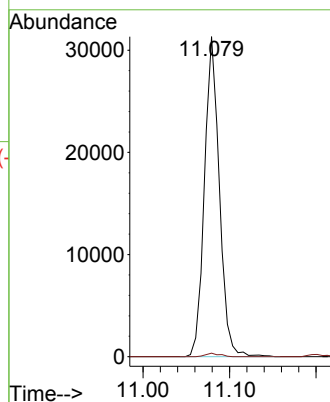
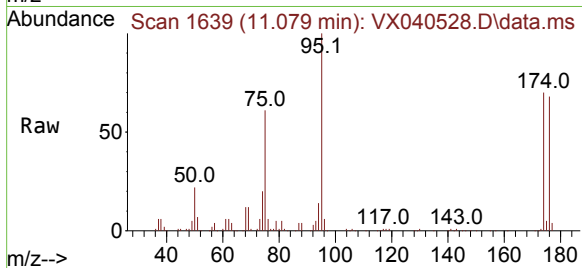
VX0229MBL01

Tgt Ion: 75 Resp: 37478

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#77

Bromobenzene

Concen: 0.234 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX040528.D

Acq: 29 Feb 2024 11:43

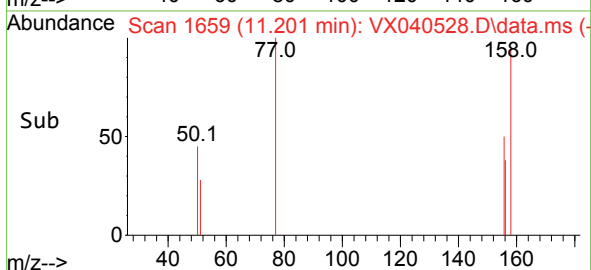
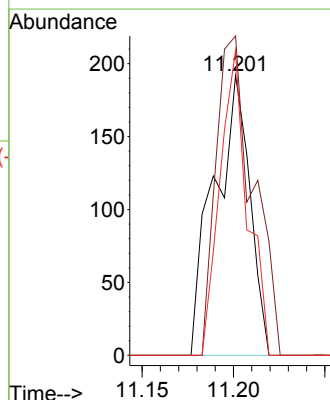
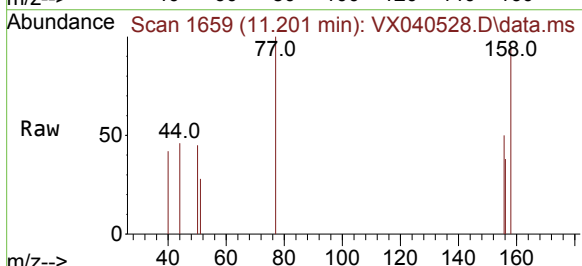
Tgt Ion:156 Resp: 261

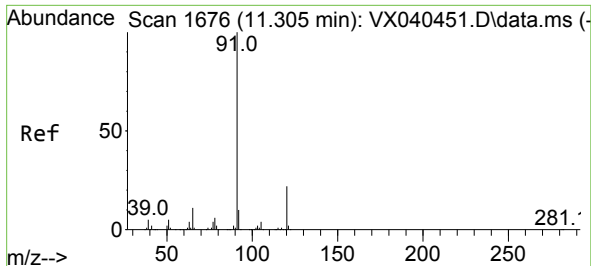
Ion Ratio Lower Upper

156 100

77 118.0 88.4 265.3

158 84.7 48.0 144.0

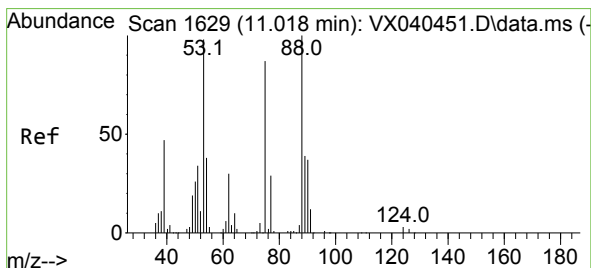
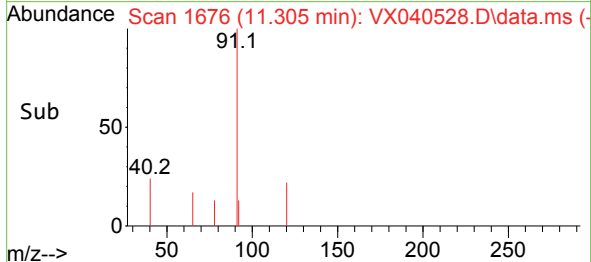
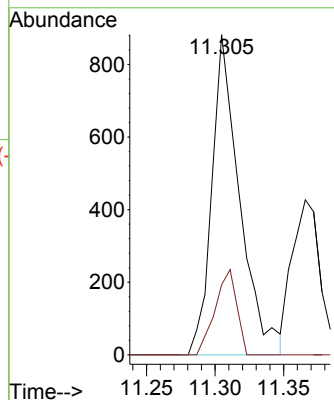
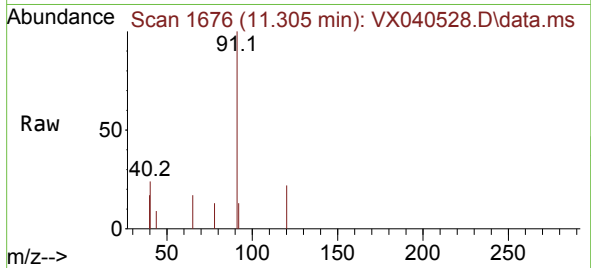




#78
n-propylbenzene
Concen: 0.213 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

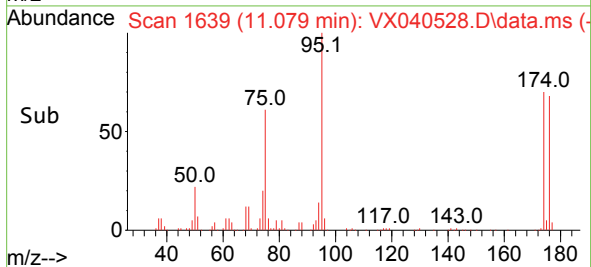
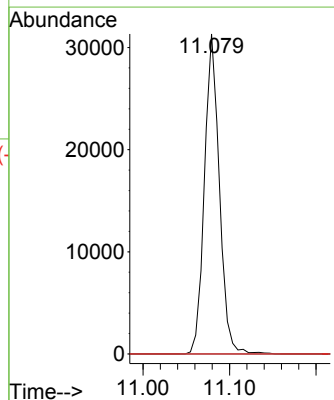
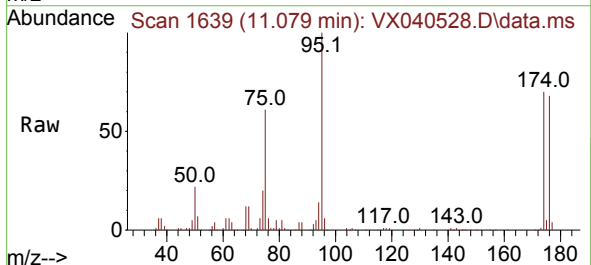
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

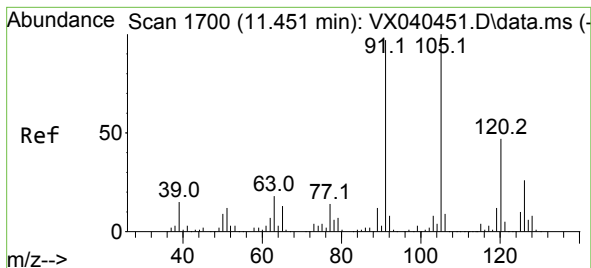
Tgt Ion: 91 Resp: 1246
Ion Ratio Lower Upper
91 100
120 20.5 11.5 34.4



#81
trans-1,4-Dichloro-2-butene
Concen: 77.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 75 Resp: 37478
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

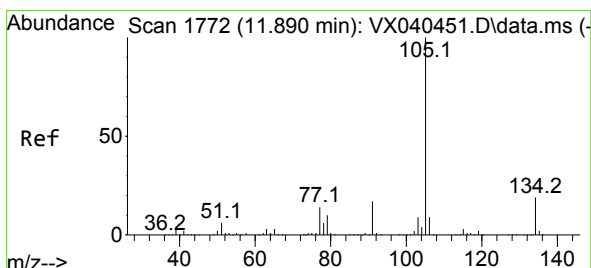
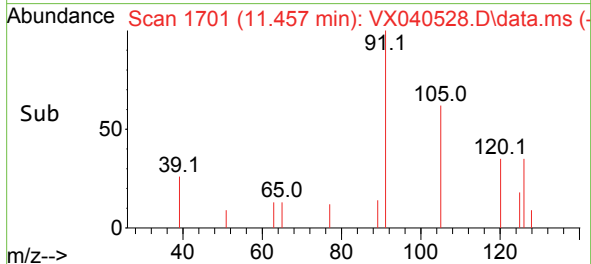
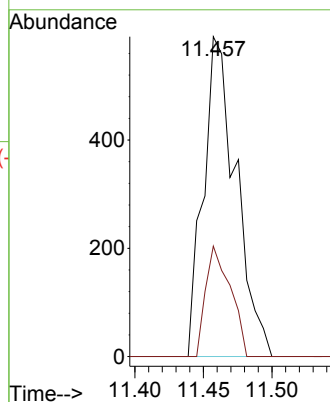
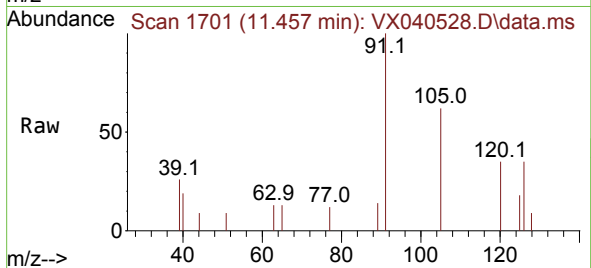




#82
4-Chlorotoluene
Concen: 0.240 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

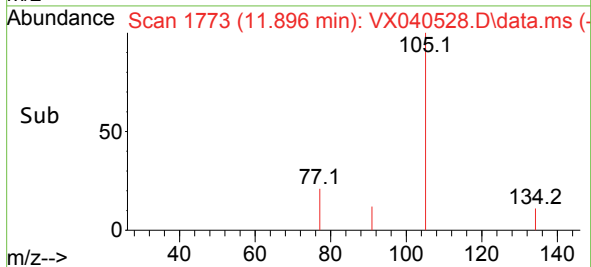
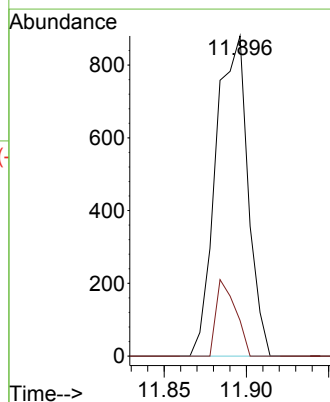
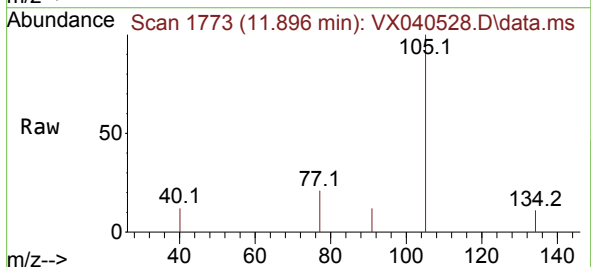
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

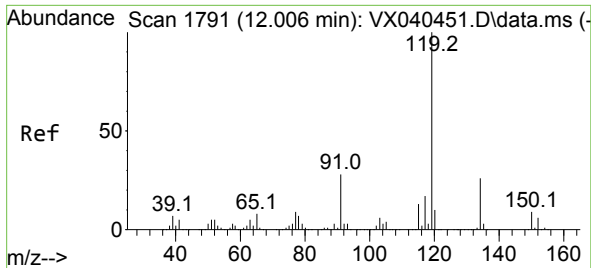
Tgt Ion: 91 Resp: 977
Ion Ratio Lower Upper
91 100
126 26.2 14.2 42.6



#85
sec-Butylbenzene
Concen: 0.240 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 105 Resp: 1192
Ion Ratio Lower Upper
105 100
134 14.5 9.8 29.4

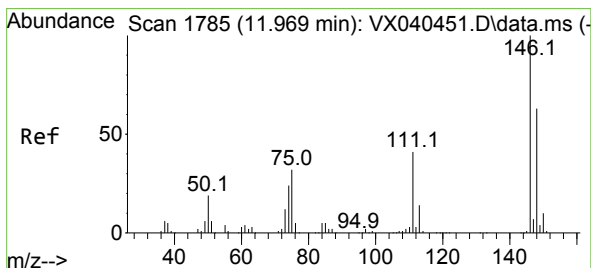
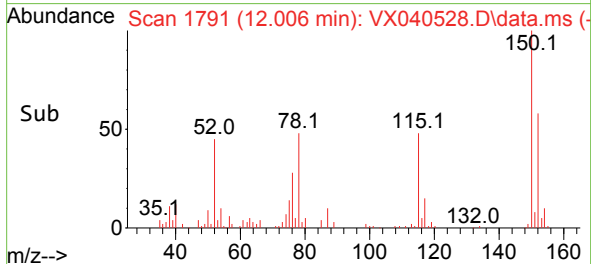
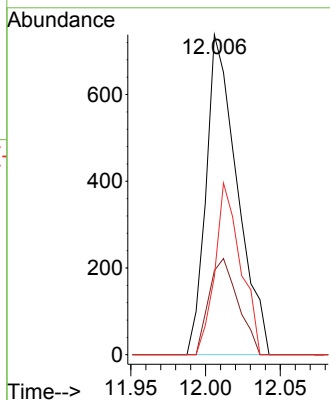
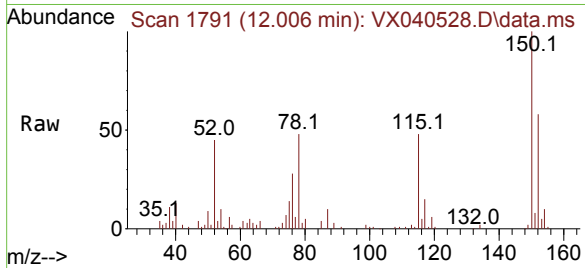




#86
 p-Isopropyltoluene
 Concen: 0.260 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX040528.D
 Acq: 29 Feb 2024 11:43

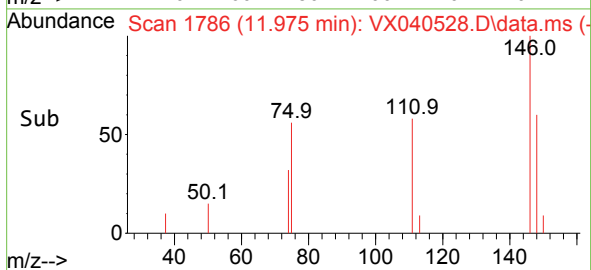
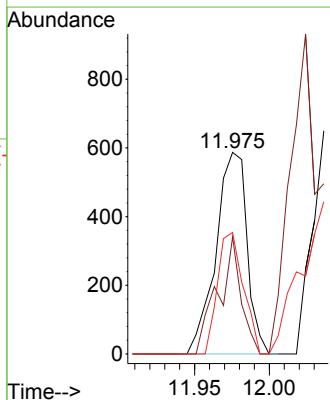
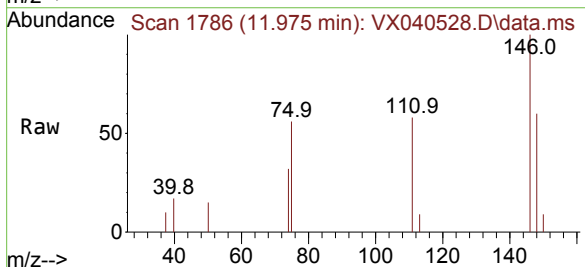
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0229MBL01

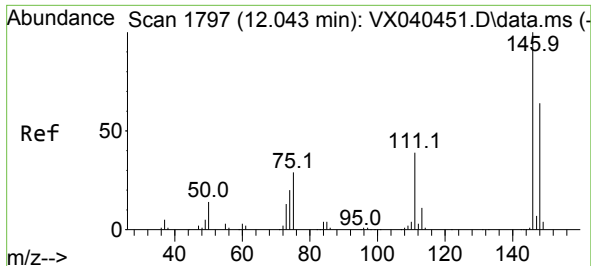
Tgt Ion:119 Resp: 1066
 Ion Ratio Lower Upper
 119 100
 134 28.2 12.8 38.3
 91 44.4 13.1 39.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.382 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: VX040528.D
 Acq: 29 Feb 2024 11:43

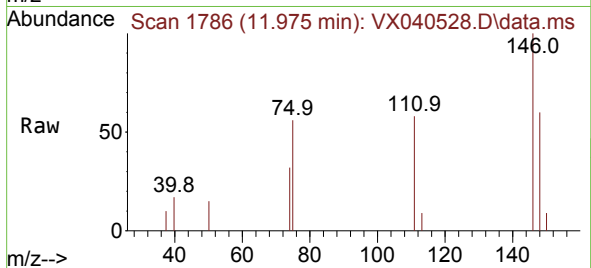
Tgt Ion:146 Resp: 849
 Ion Ratio Lower Upper
 146 100
 111 43.0 22.1 66.1
 148 49.8 31.8 95.3



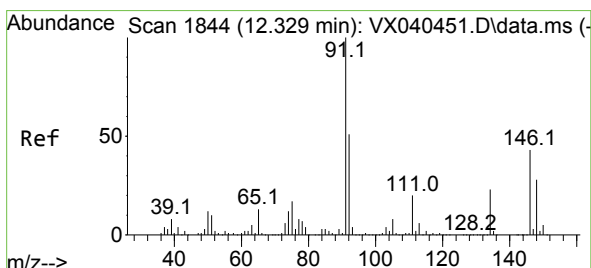
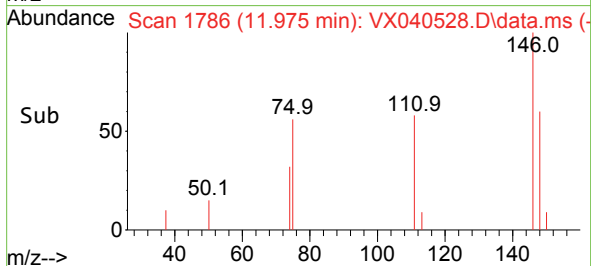
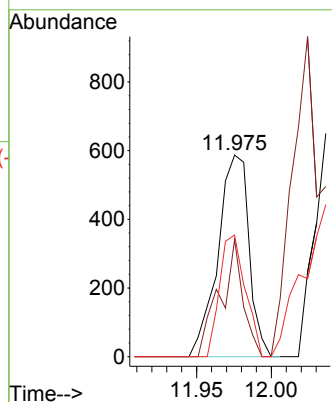


#88
1,4-Dichlorobenzene
Concen: 0.375 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.067 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

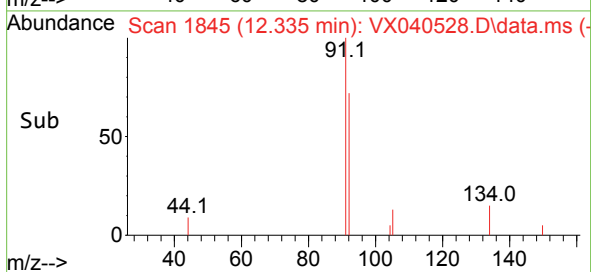
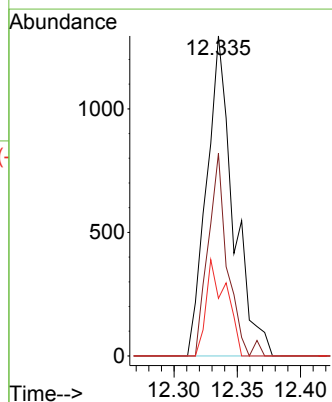
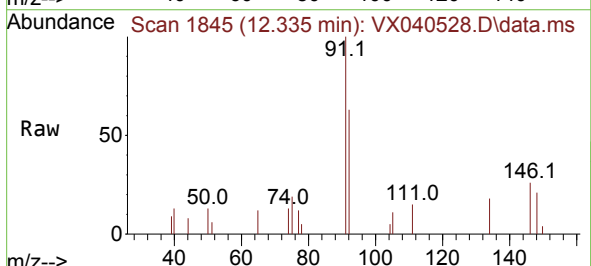


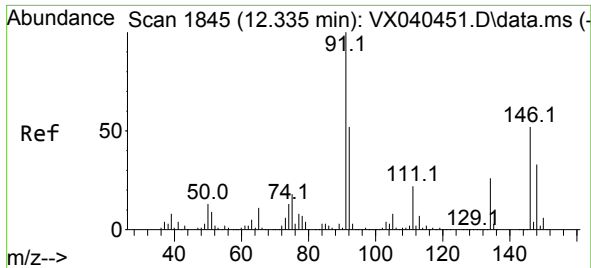
Tgt Ion:146 Resp: 849
Ion Ratio Lower Upper
146 100
111 43.0 21.3 63.7
148 49.8 31.8 95.4



#89
n-Butylbenzene
Concen: 0.475 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

Tgt Ion: 91 Resp: 1913
Ion Ratio Lower Upper
91 100
92 45.7 27.4 82.0
134 22.6 12.6 37.8

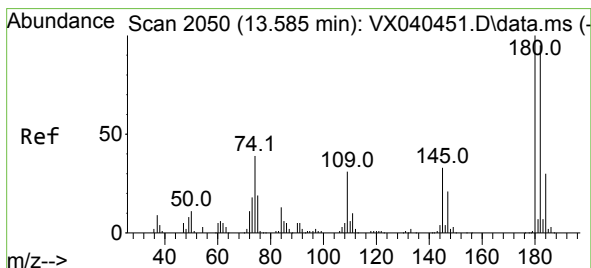
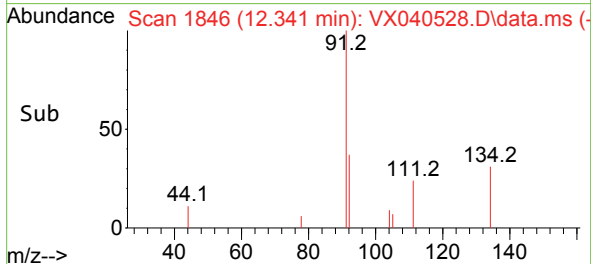
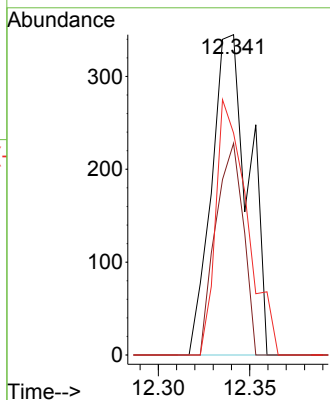
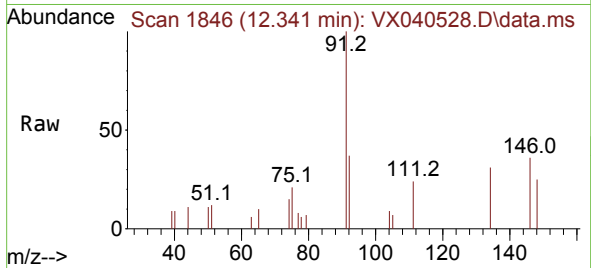




#91
1,2-Dichlorobenzene
Concen: 0.231 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

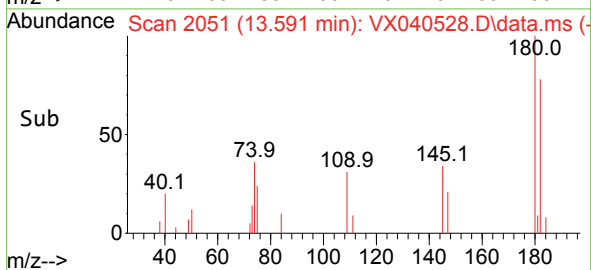
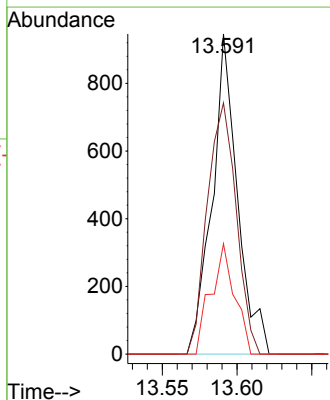
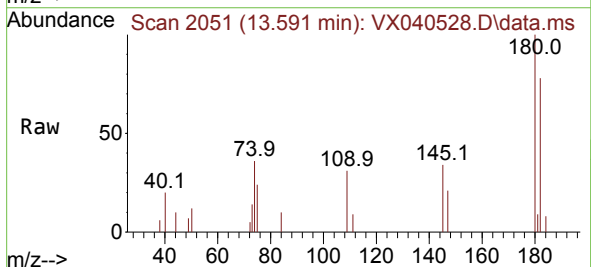
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01

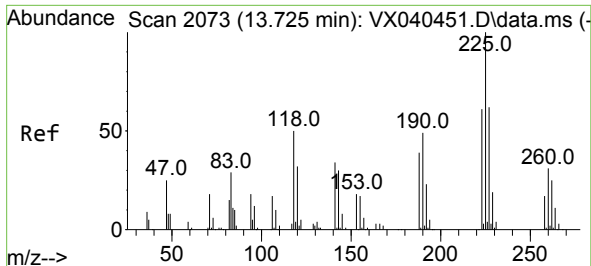
Tgt Ion:146 Resp: 489
Ion Ratio Lower Upper
146 100
111 49.3 22.4 67.0
148 67.1 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 0.806 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

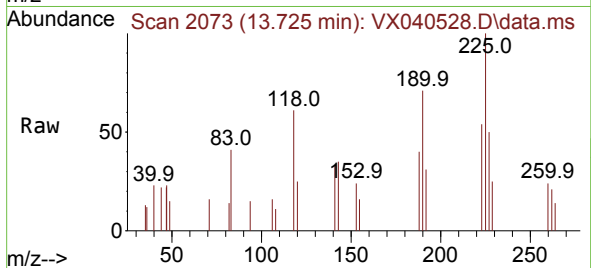
Tgt Ion:180 Resp: 1114
Ion Ratio Lower Upper
180 100
182 89.4 48.3 144.8
145 32.4 18.0 54.0



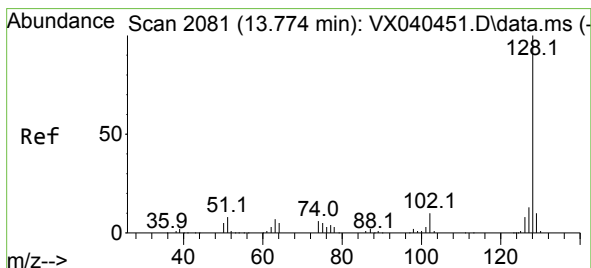
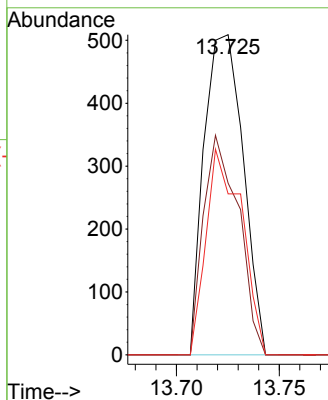
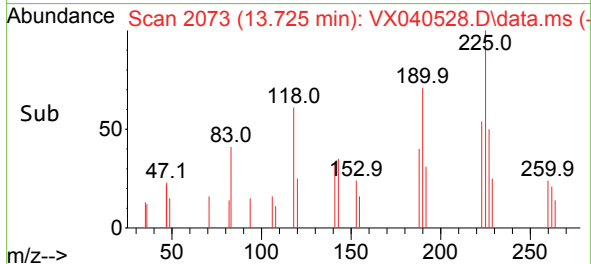


#94
Hexachlorobutadiene
Concen: 1.191 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43

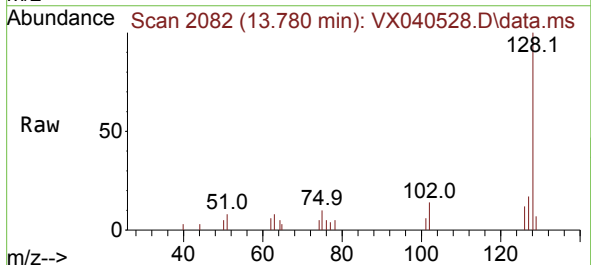
Instrument :
MSVOA_X
ClientSampleId :
VX0229MBL01



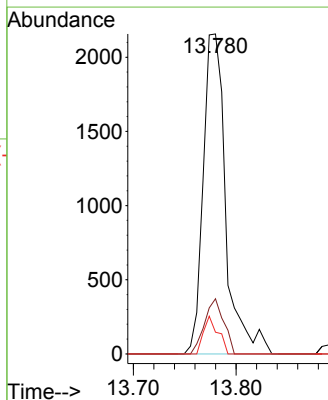
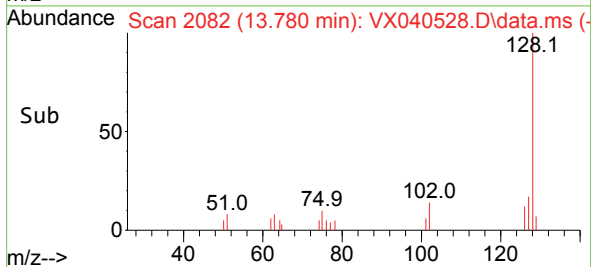
Tgt Ion:225 Resp: 673
Ion Ratio Lower Upper
225 100
223 61.4 31.1 93.2
227 58.4 32.5 97.5

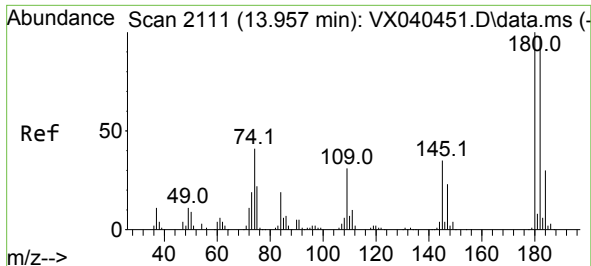


#95
Naphthalene
Concen: 0.749 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040528.D
Acq: 29 Feb 2024 11:43



Tgt Ion:128 Resp: 3310
Ion Ratio Lower Upper
128 100
127 14.6 10.3 15.5
129 7.5 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.727 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040528.D

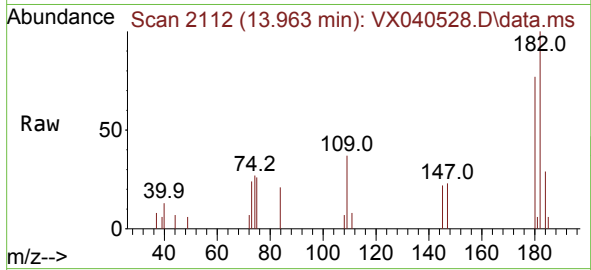
Acq: 29 Feb 2024 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX0229MBL01



Tgt Ion:180 Resp: 956

Ion Ratio Lower Upper

180 100

182 110.4 46.9 140.6

145 30.1 17.8 53.5

