

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040502.D
 Acq On : 28 Feb 2024 11:24
 Operator : JC/MD
 Sample : VX0228MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228MBL01

Quant Time: Feb 29 03:46:13 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)

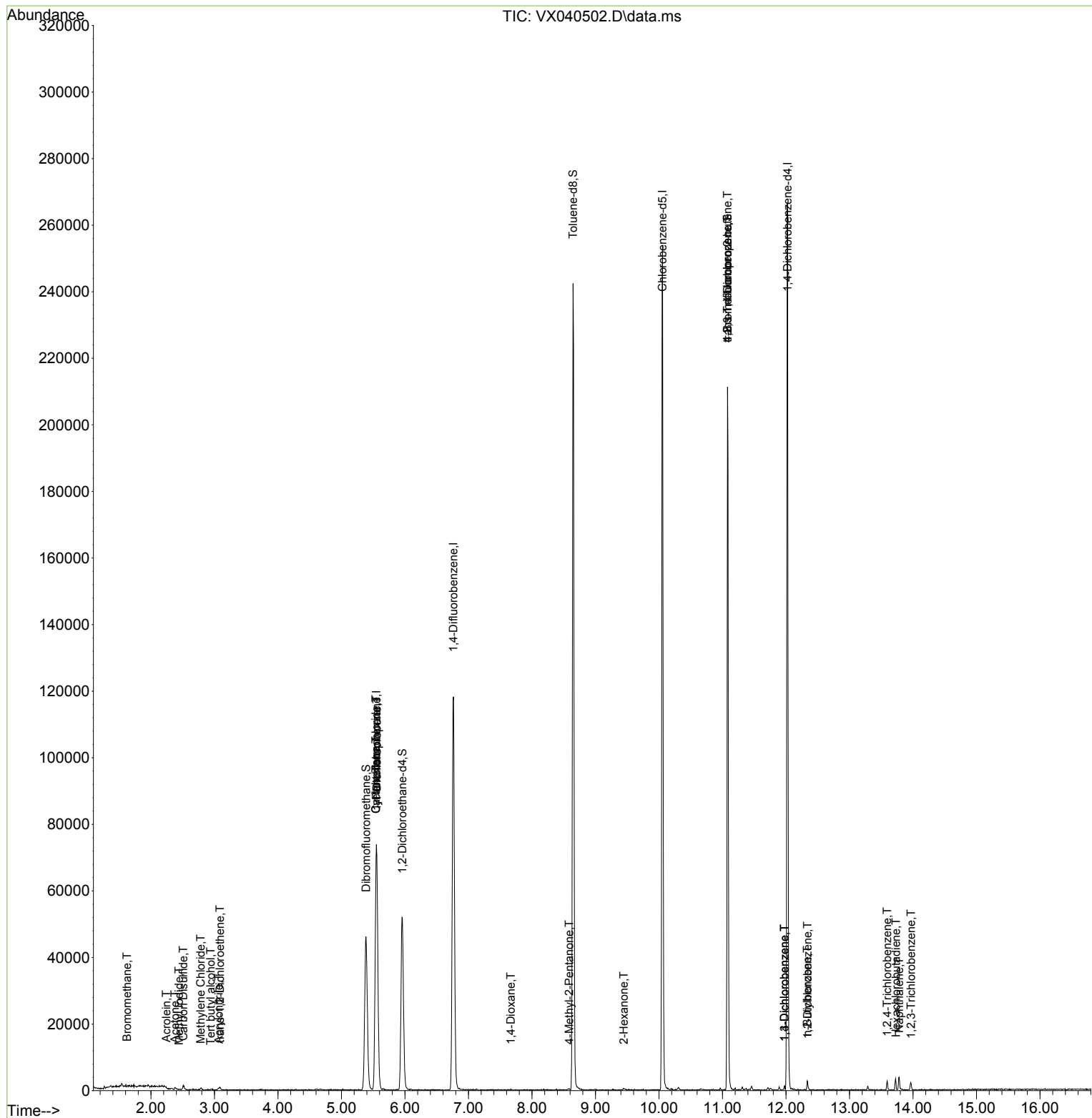
Internal Standards						
1) Pentafluorobenzene	5.550	168	66557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	114466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	53600	48.149	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.300%
35) Dibromofluoromethane	5.385	113	39764	49.955	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.920%
50) Toluene-d8	8.647	98	140358	48.578	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.160%
62) 4-Bromofluorobenzene	11.079	95	53546	48.617	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.240%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	115	0.233	ug/l #	3
10) Methyl Iodide	2.441	142	20	3.030	ug/l #	34
11) Tert butyl alcohol	2.941	59	128	0.684	ug/l #	78
13) Acrolein	2.239	56	207	1.725	ug/l #	49
15) Acrylonitrile	3.069	53	367	0.782	ug/l #	42
16) Acetone	2.380	43	420	1.157	ug/l #	47
17) Carbon Disulfide	2.508	76	1483	0.706	ug/l #	72
20) Methylene Chloride	2.782	84	278	0.320	ug/l #	62
21) trans-1,2-Dichloroethene	3.087	96	237	0.293	ug/l #	60
31) Cyclohexane	5.544	56	1927	1.528	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	6500	5.300	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7345	6.200	ug/l #	15
49) 1,4-Dioxane	7.665	88	62	3.114	ug/l #	99
51) 4-Methyl-2-Pentanone	8.586	43	314	0.226	ug/l #	37
59) 2-Hexanone	9.445	43	535	0.500	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	30999	26.934	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	30999	78.173	ug/l #	5
87) 1,3-Dichlorobenzene	11.976	146	394	0.217	ug/l	93
88) 1,4-Dichlorobenzene	11.976	146	394	0.213	ug/l	92
89) n-Butylbenzene	12.335	91	924	0.281	ug/l	92
91) 1,2-Dichlorobenzene	12.341	146	356	0.206	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	777	0.688	ug/l	91
94) Hexachlorobutadiene	13.731	225	521	1.129	ug/l	88
95) Naphthalene	13.780	128	3017	0.836	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	734	0.684	ug/l	98

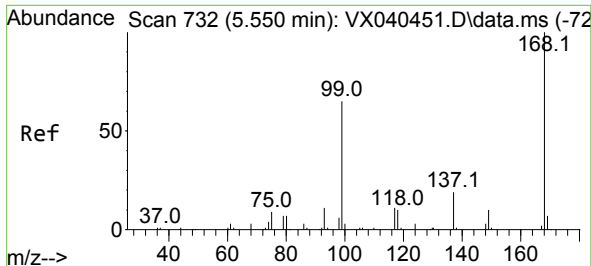
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 29 03:46:13 2024
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Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 2024
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX040502.D

Acq: 28 Feb 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

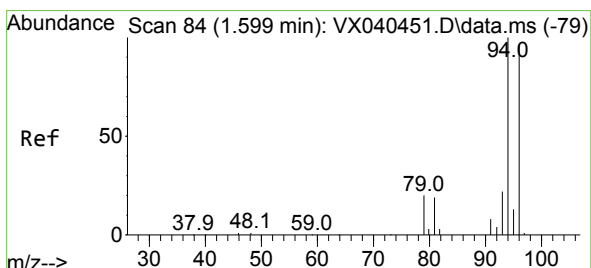
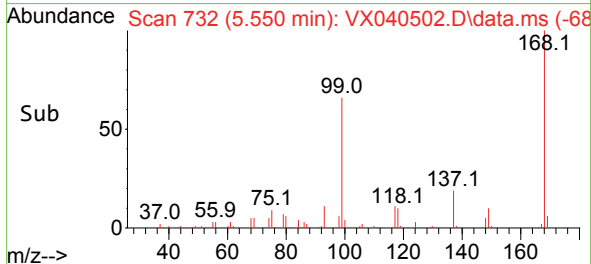
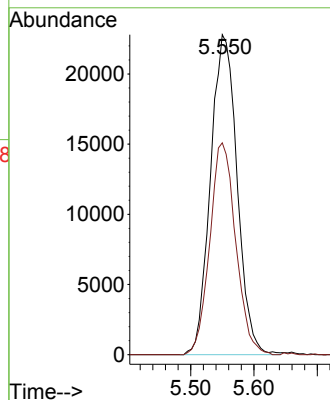
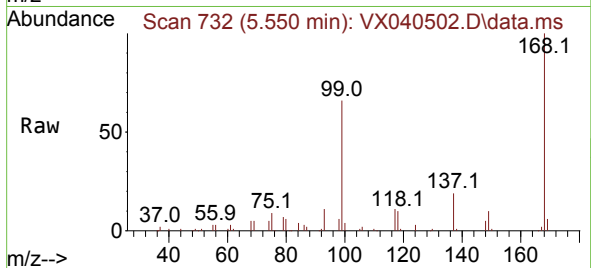
VX0228MBL01

Tgt Ion:168 Resp: 66557

Ion Ratio Lower Upper

168 100

99 66.2 56.6 85.0



#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.624 min Scan# 88

Delta R.T. 0.024 min

Lab File: VX040502.D

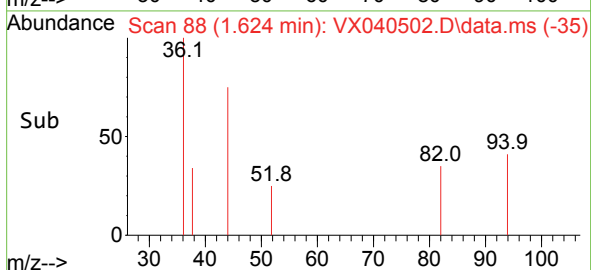
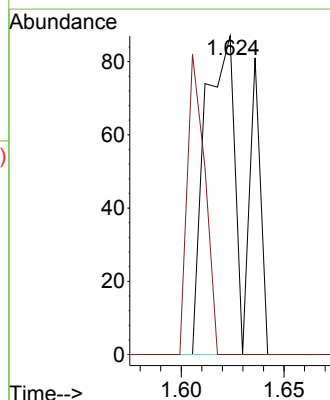
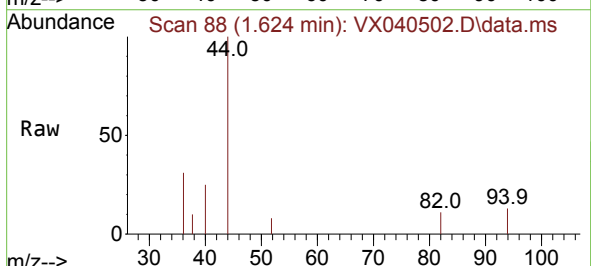
Acq: 28 Feb 2024 11:24

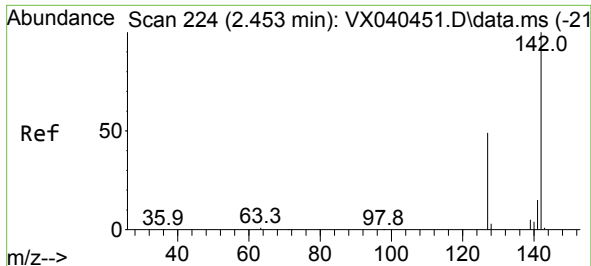
Tgt Ion: 94 Resp: 115

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#

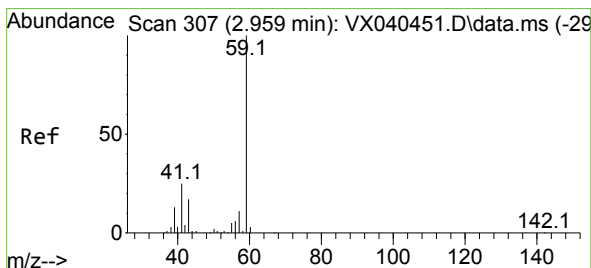
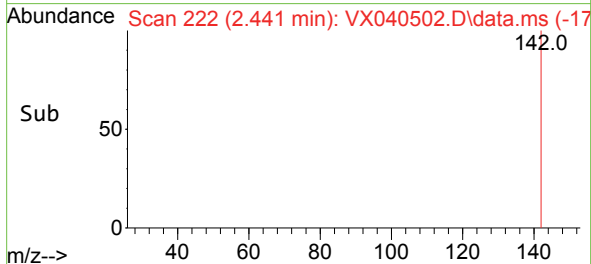
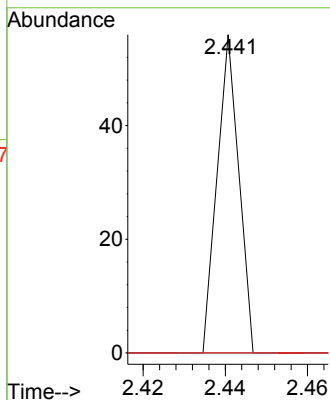
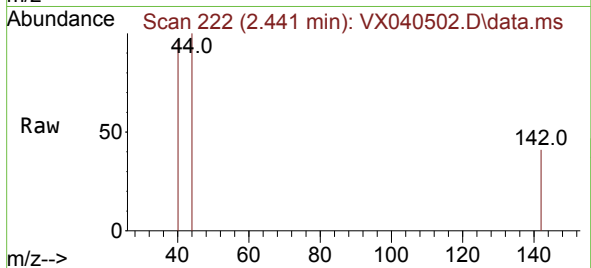




#10
Methyl Iodide
Concen: 3.030 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

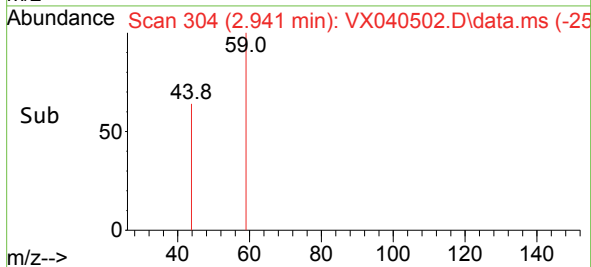
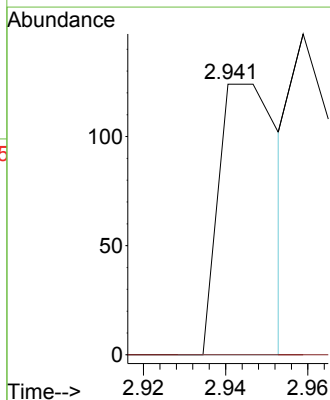
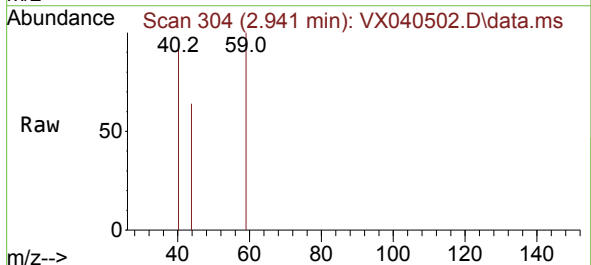
Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

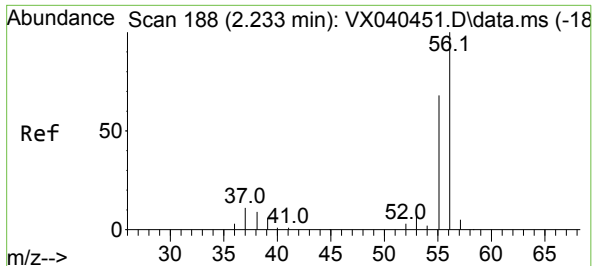
Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.684 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 1.725 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040502.D

Acq: 28 Feb 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

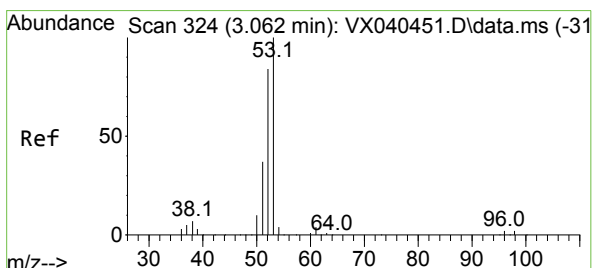
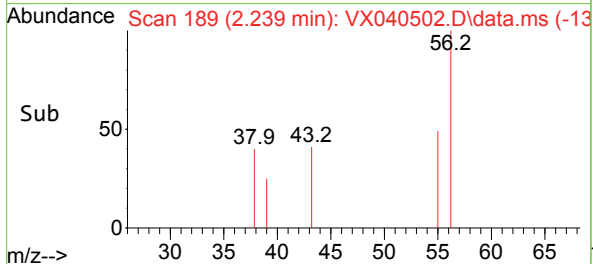
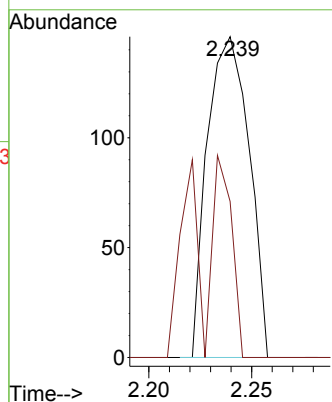
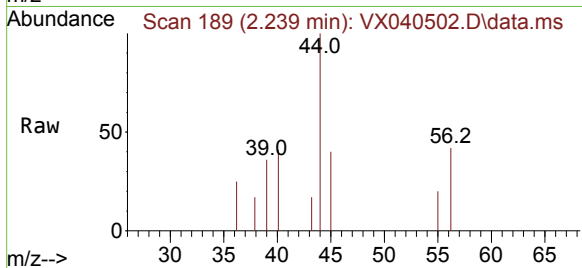
VX0228MBL01

Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 29.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.782 ug/l

RT: 3.069 min Scan# 325

Delta R.T. 0.006 min

Lab File: VX040502.D

Acq: 28 Feb 2024 11:24

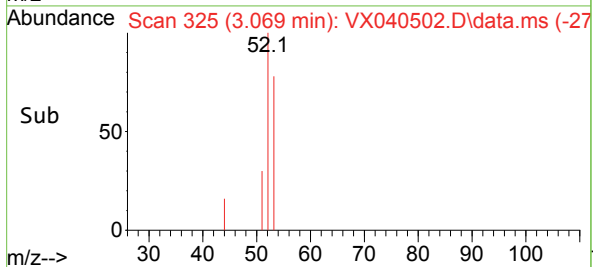
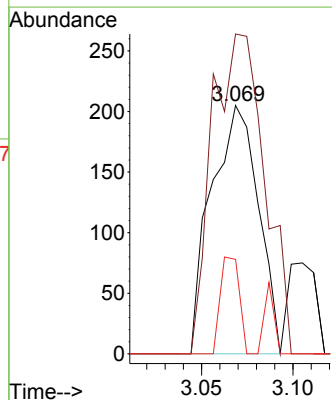
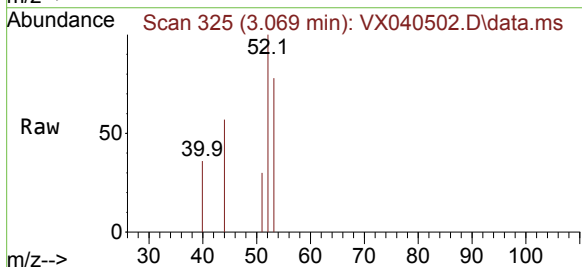
Tgt Ion: 53 Resp: 367

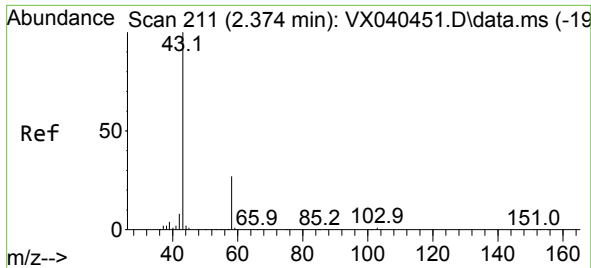
Ion Ratio Lower Upper

53 100

52 143.9 66.0 99.0#

51 15.8 29.8 44.6#

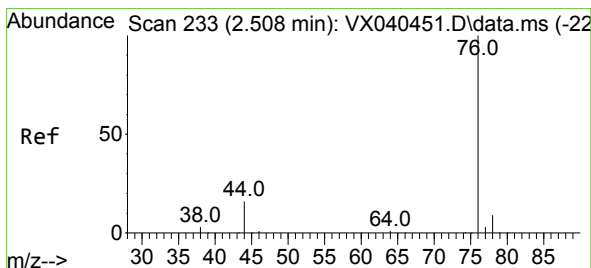
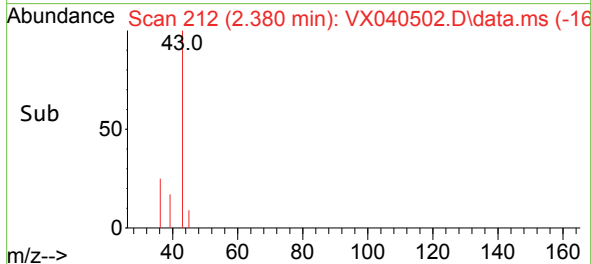
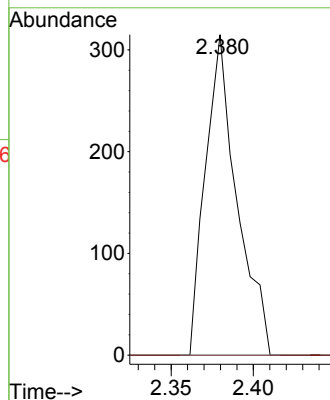
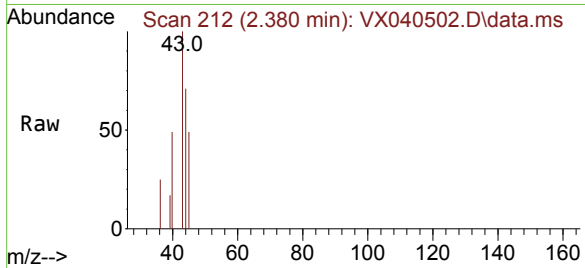




#16
Acetone
Concen: 1.157 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

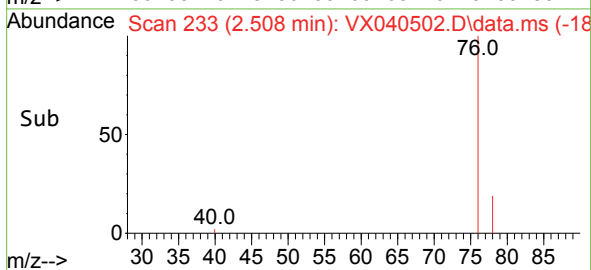
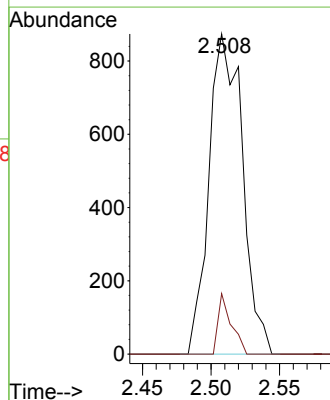
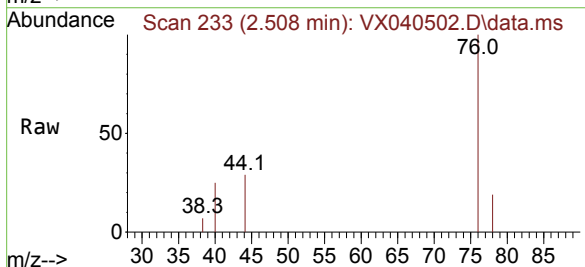
Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

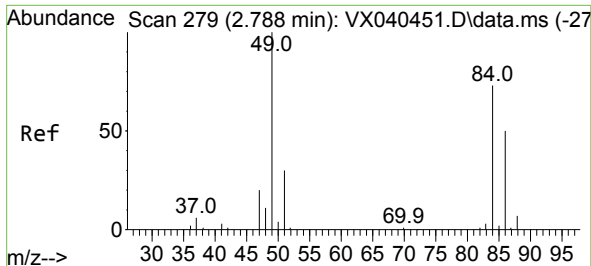
Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.706 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion: 76 Resp: 1483
Ion Ratio Lower Upper
76 100
78 18.9 7.0 10.6#





#20

Methylene Chloride

Concen: 0.320 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040502.D

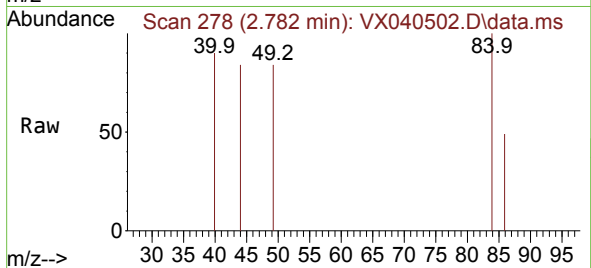
Acq: 28 Feb 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0228MBL01



Tgt Ion: 84 Resp: 278

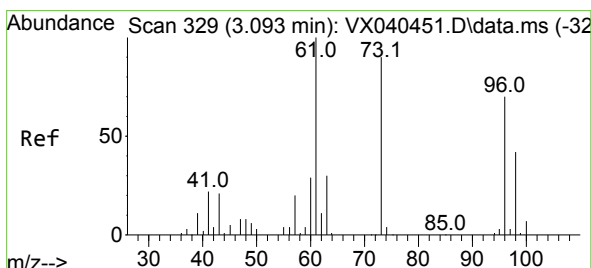
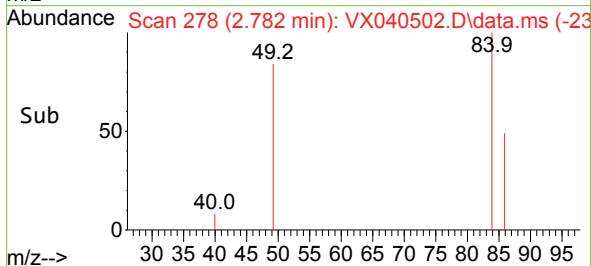
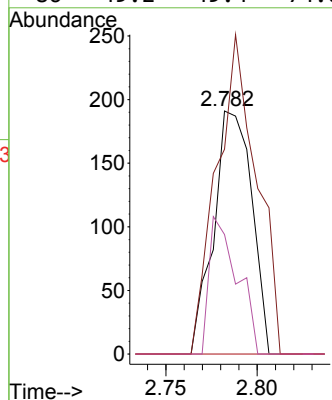
Ion Ratio Lower Upper

84 100

49 84.3 103.6 155.4#

51 0.0 33.8 50.6#

86 49.2 49.4 74.0#



#21

trans-1,2-Dichloroethene

Concen: 0.293 ug/l

RT: 3.087 min Scan# 328

Delta R.T. -0.006 min

Lab File: VX040502.D

Acq: 28 Feb 2024 11:24

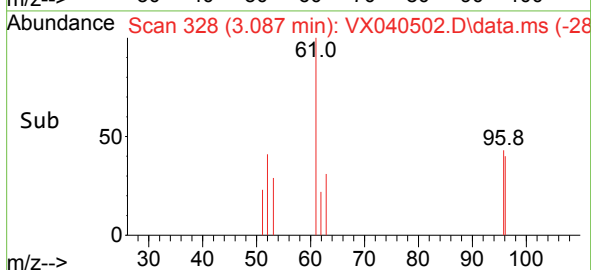
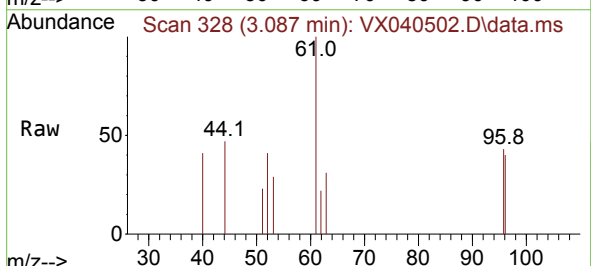
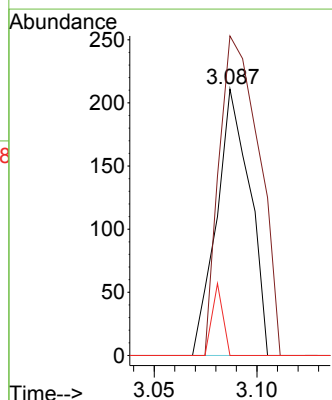
Tgt Ion: 96 Resp: 237

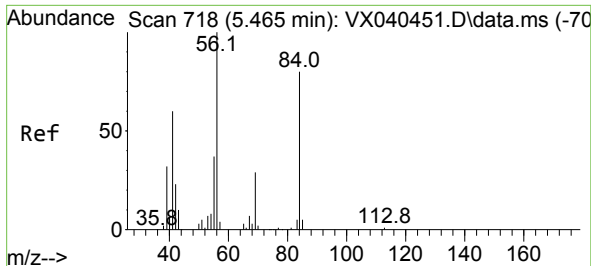
Ion Ratio Lower Upper

96 100

61 119.9 119.2 178.8

98 0.0 48.7 73.1#

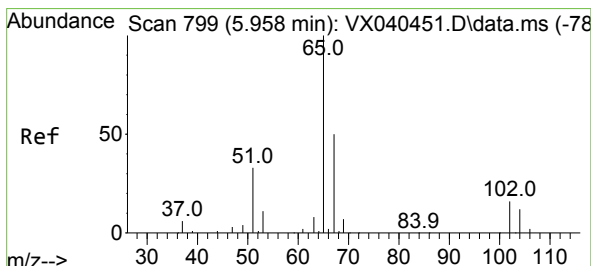
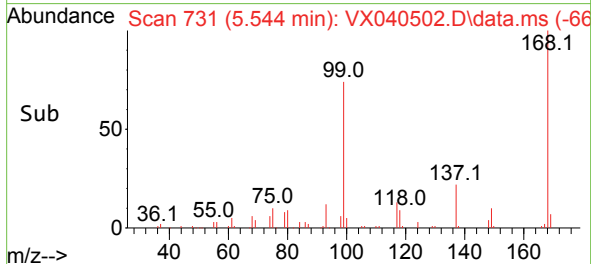
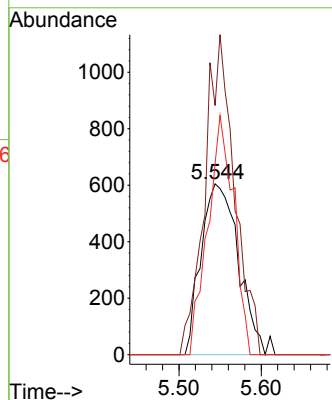
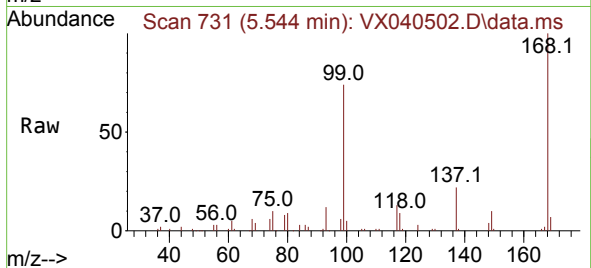




#31
Cyclohexane
Concen: 1.528 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

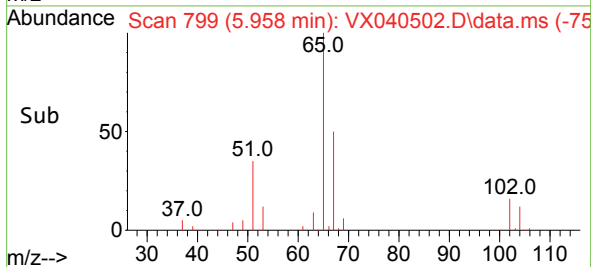
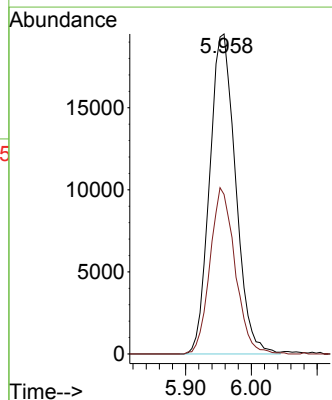
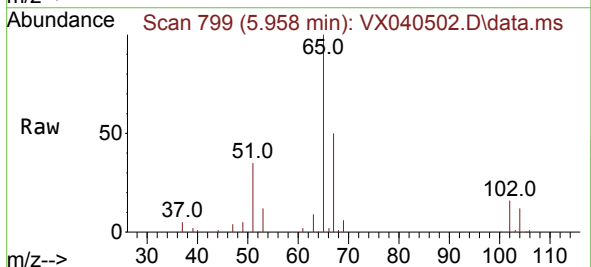
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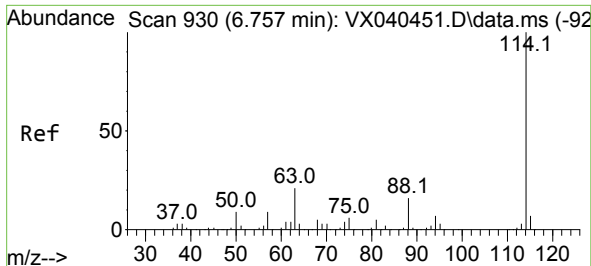
Tgt Ion: 56 Resp: 1927
Ion Ratio Lower Upper
56 100
69 145.8 23.4 35.2#
84 111.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.149 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion: 65 Resp: 53600
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.2

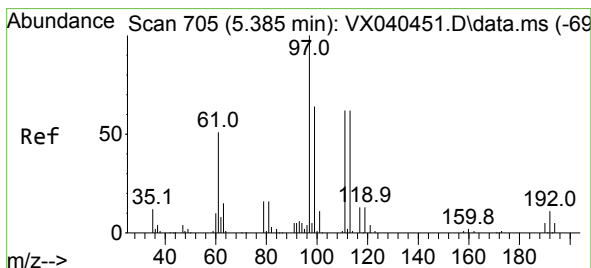
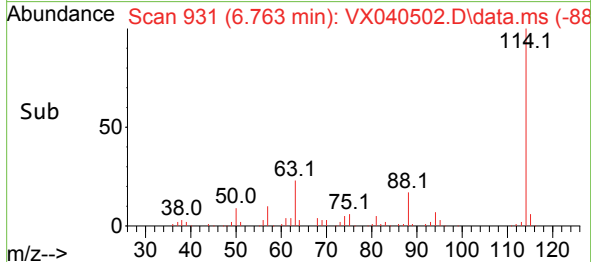
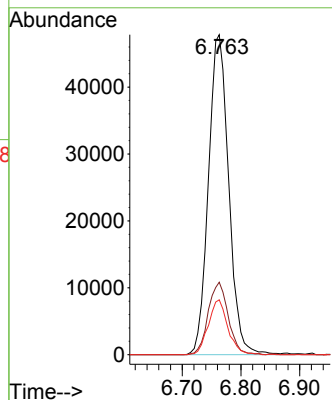
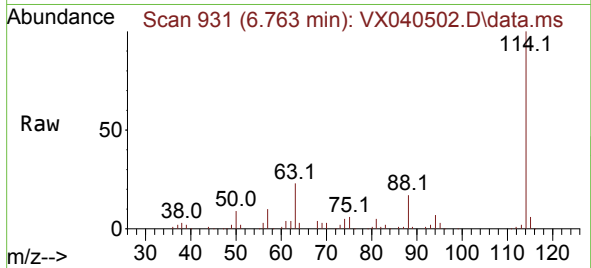




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

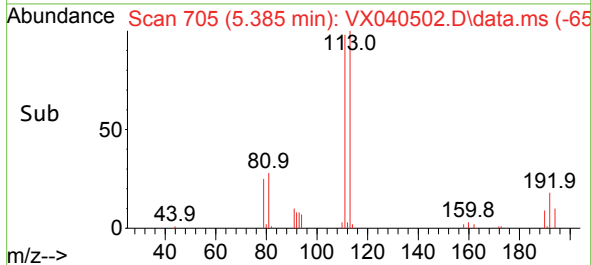
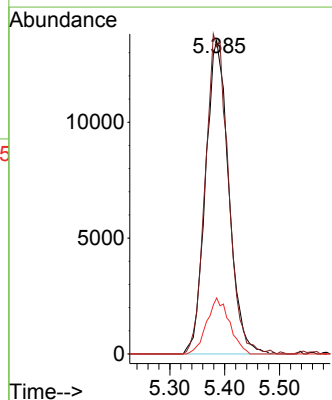
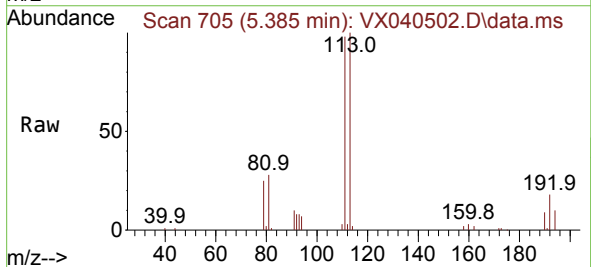
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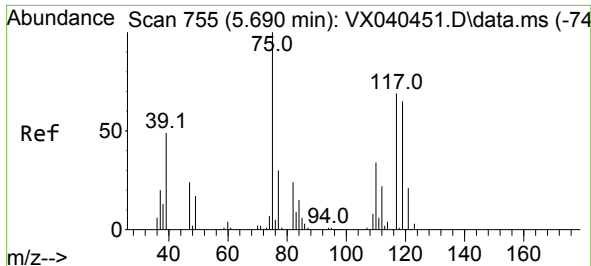
Tgt Ion:114 Resp: 114466
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.0
88 17.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.955 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion:113 Resp: 39764
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 17.5 13.3 19.9

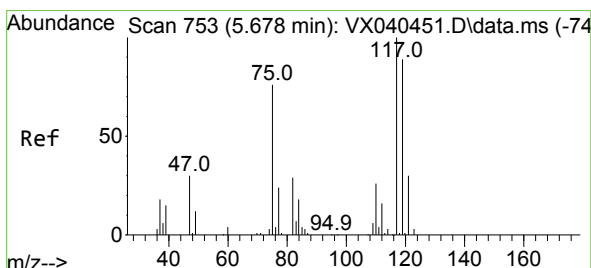
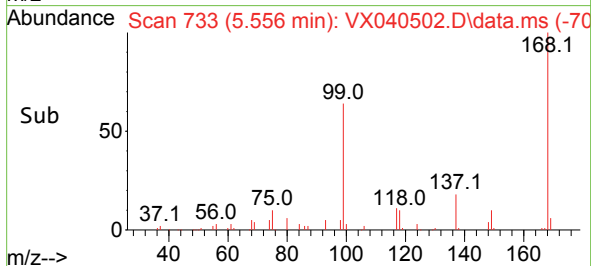
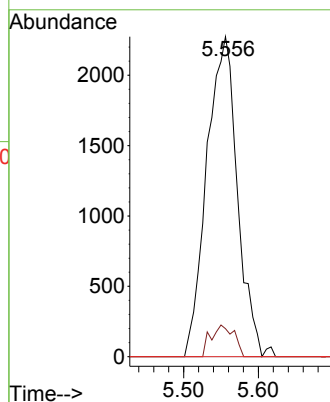
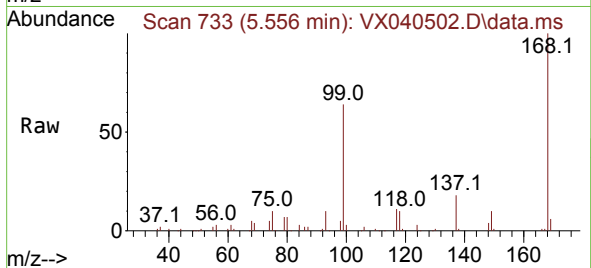




#36
1,1-Dichloropropene
Concen: 5.300 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

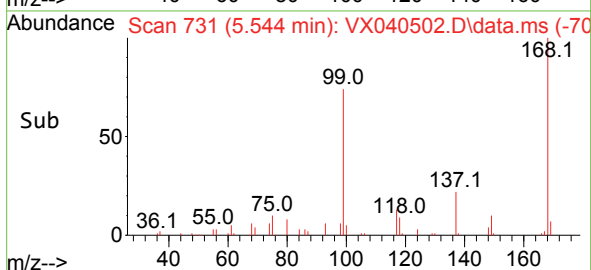
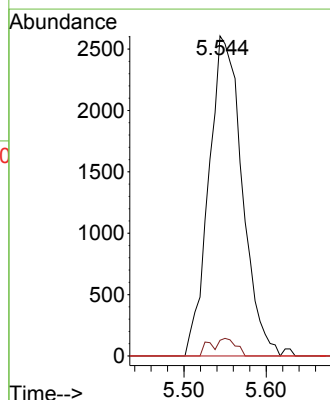
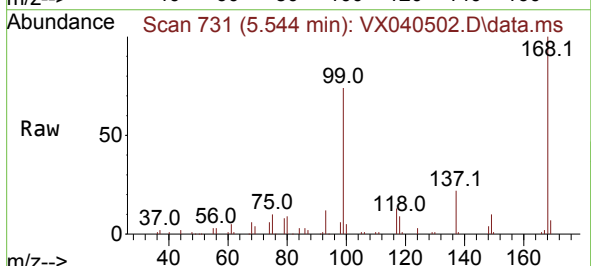
Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

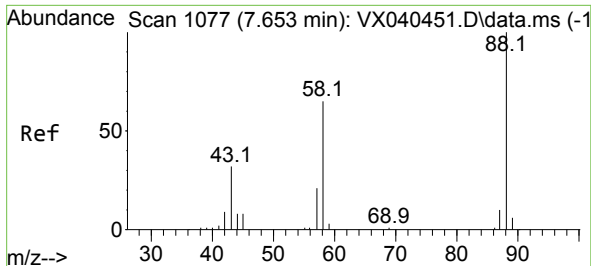
Tgt Ion: 75 Resp: 6500
Ion Ratio Lower Upper
75 100
110 7.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion: 117 Resp: 7345
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#

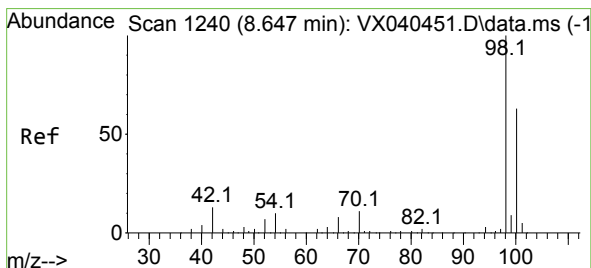
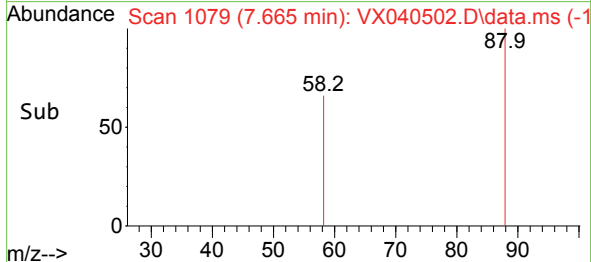
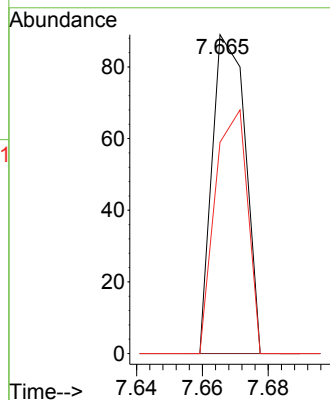
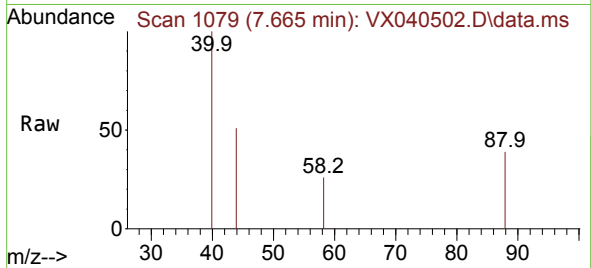




#49
1,4-Dioxane
Concen: 3.114 ug/l
RT: 7.665 min Scan# 1077
Delta R.T. 0.012 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

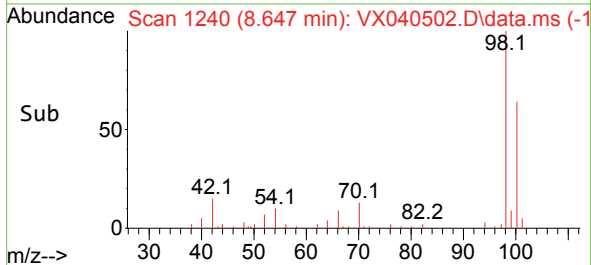
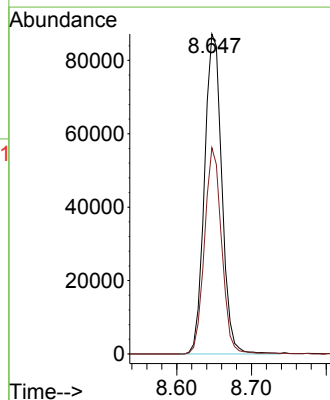
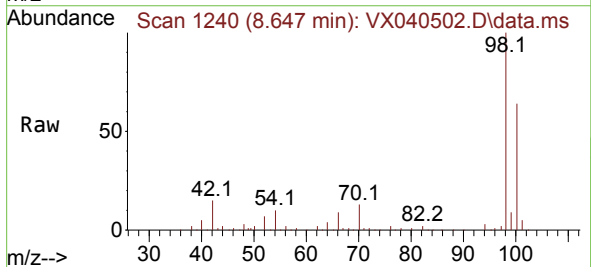
Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

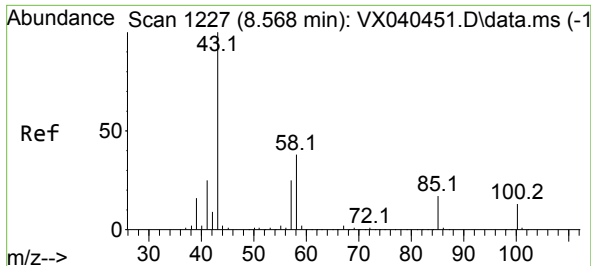
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.2 60.1 90.1



#50
Toluene-d8
Concen: 48.578 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion: 98 Resp: 140358
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7

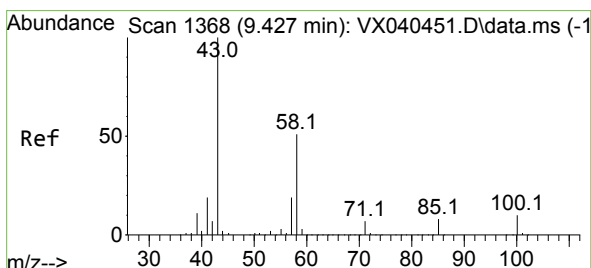
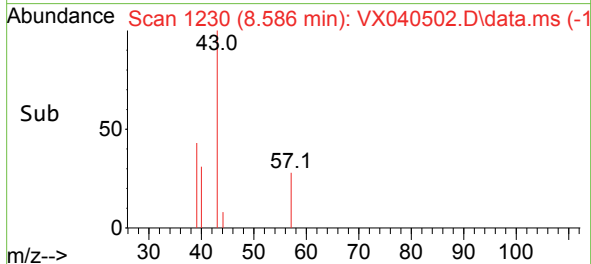
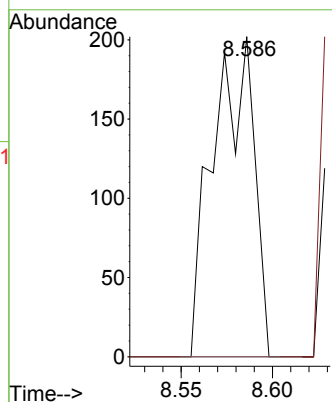
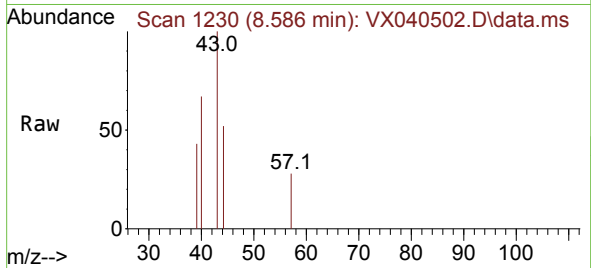




#51
4-Methyl-2-Pentanone
Concen: 0.226 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

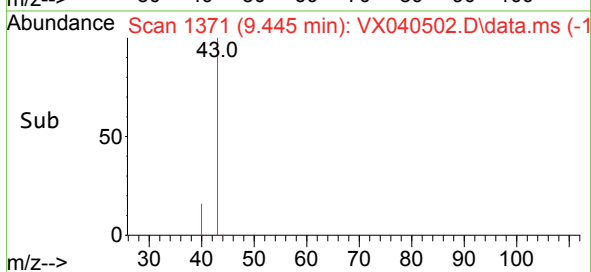
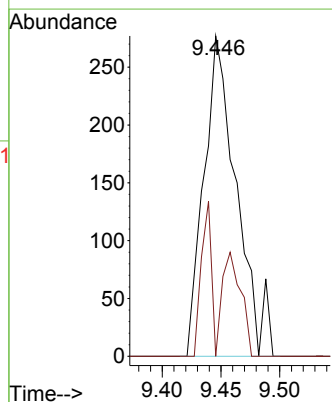
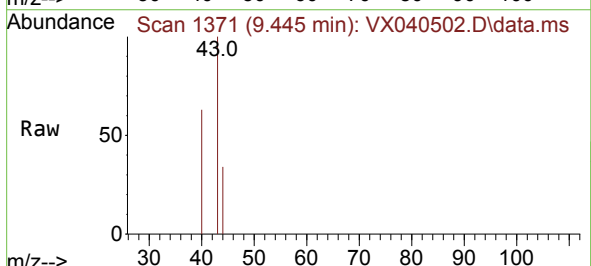
Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

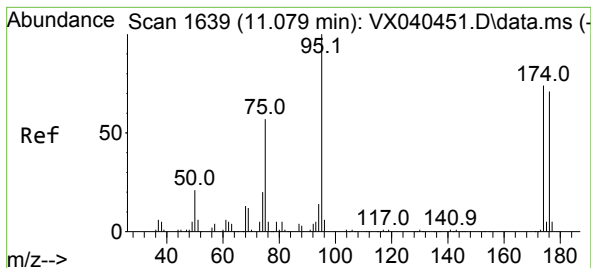
Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#59
2-Hexanone
Concen: 0.500 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
58 15.0 26.2 78.5#

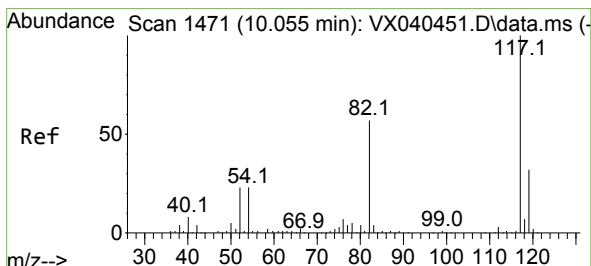
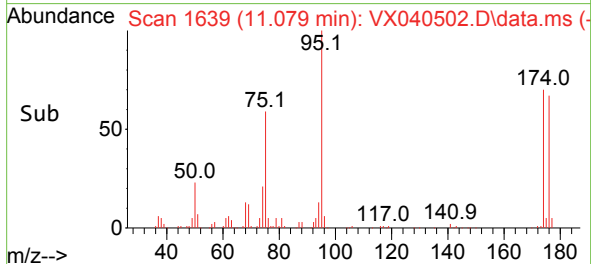
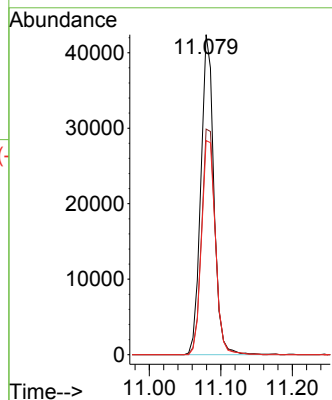
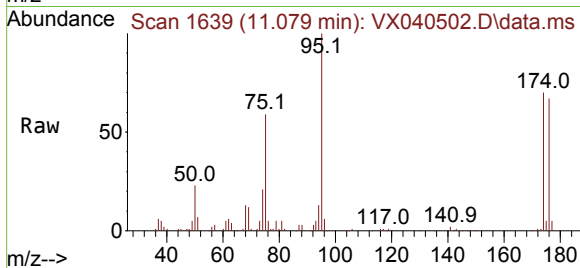




#62
4-Bromofluorobenzene
Concen: 48.617 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

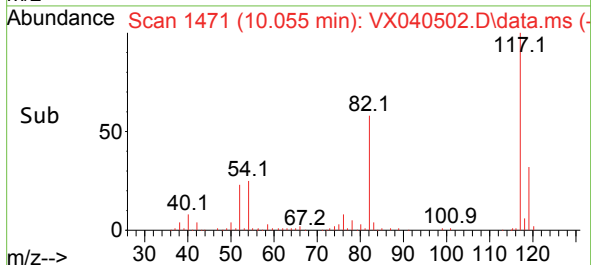
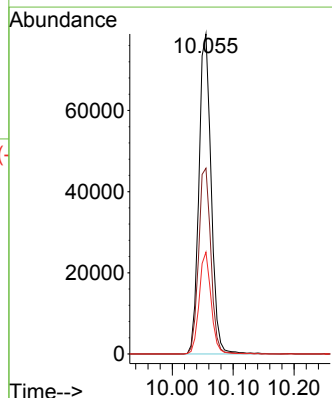
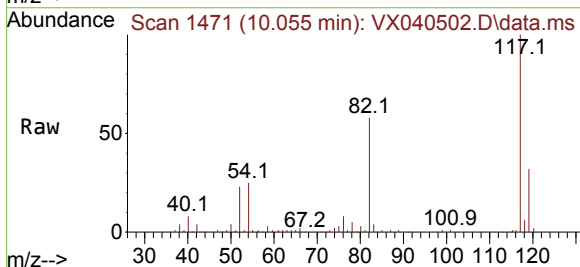
Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

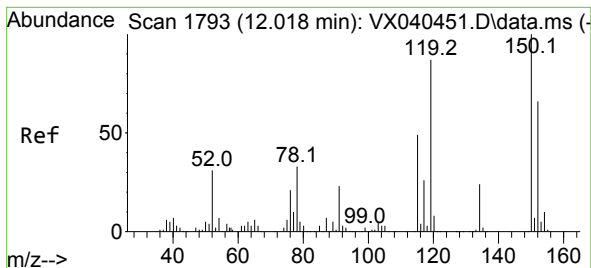
Tgt Ion: 95 Resp: 53546
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 71.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion: 117 Resp: 109699
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 31.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040502.D

Acq: 28 Feb 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0228MBL01

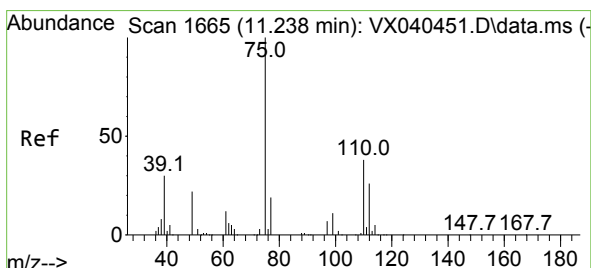
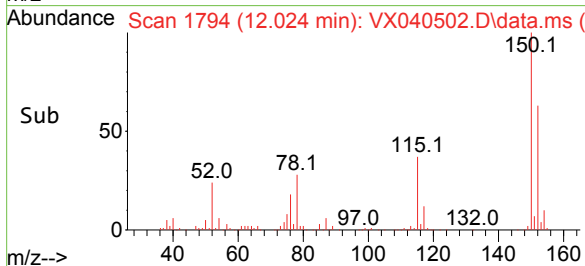
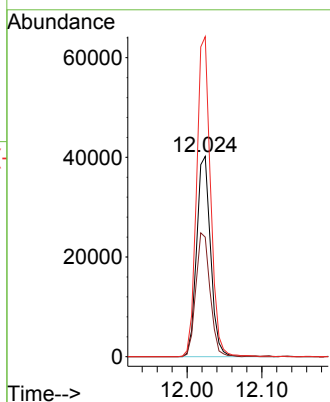
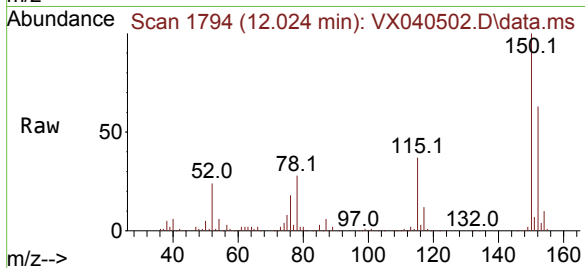
Tgt Ion:152 Resp: 52295

Ion Ratio Lower Upper

152 100

115 62.6 43.3 129.9

150 158.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.934 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040502.D

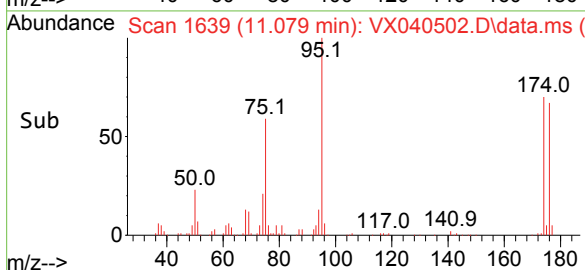
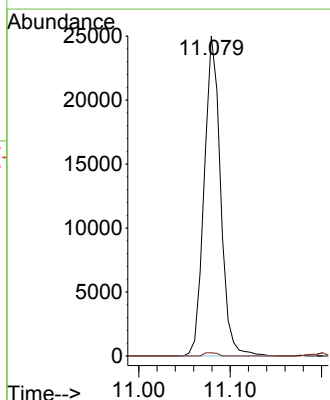
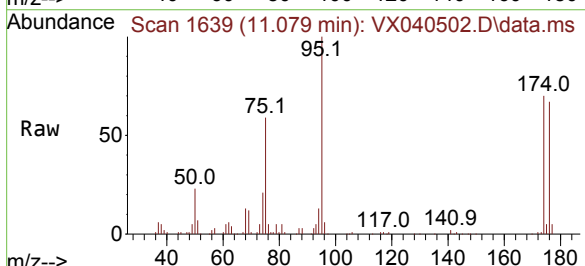
Acq: 28 Feb 2024 11:24

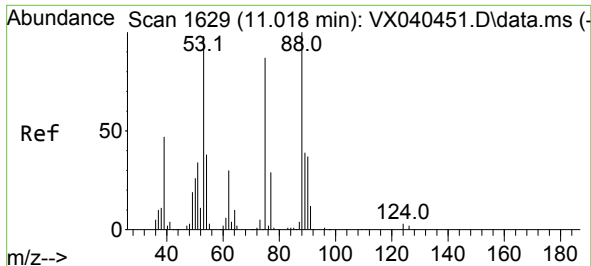
Tgt Ion: 75 Resp: 30999

Ion Ratio Lower Upper

75 100

77 0.8 19.1 57.5#

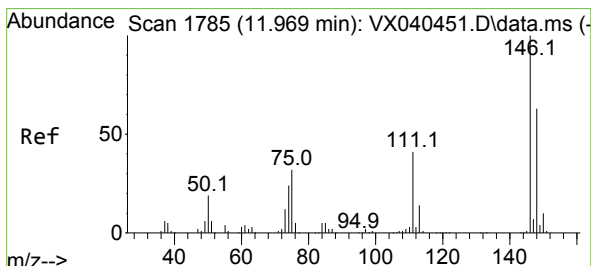
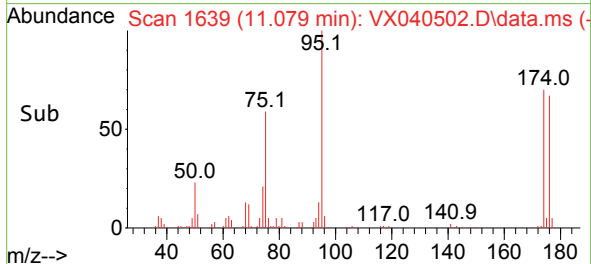
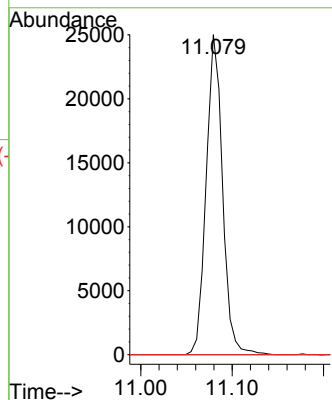
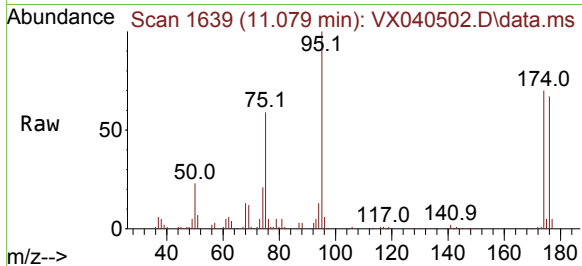




#81
trans-1,4-Dichloro-2-butene
Concen: 78.173 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

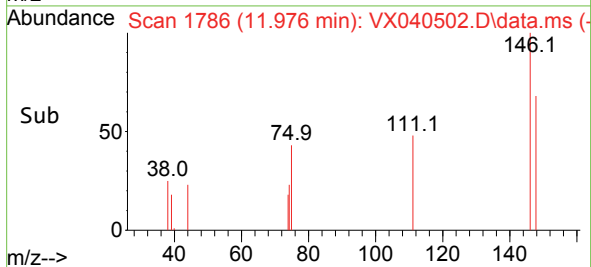
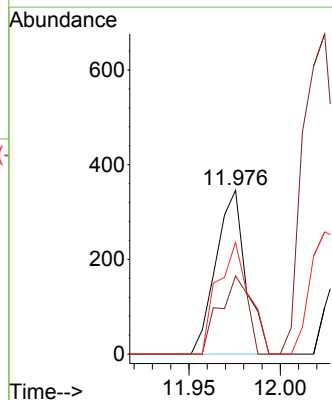
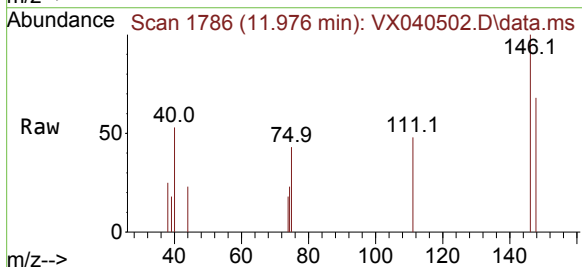
Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

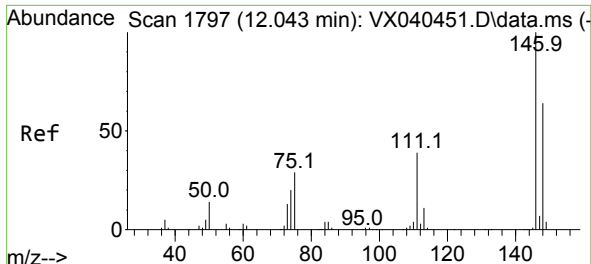
Tgt Ion: 75 Resp: 30999
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.217 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

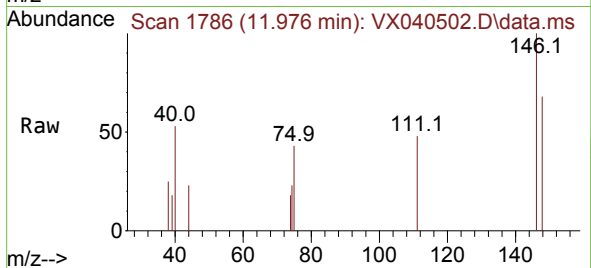
Tgt Ion:146 Resp: 394
Ion Ratio Lower Upper
146 100
111 45.2 22.1 66.1
148 71.8 31.8 95.3



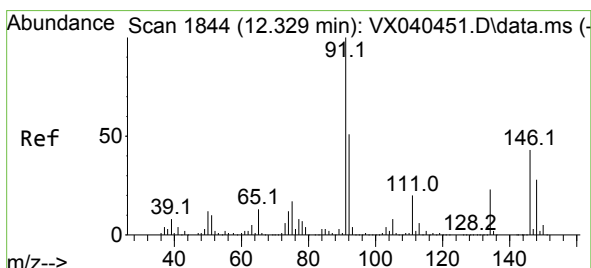
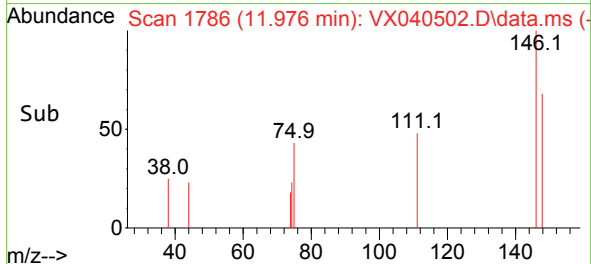
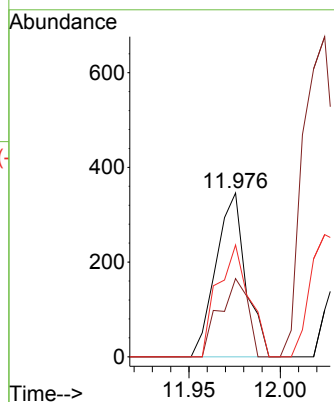


#88
1,4-Dichlorobenzene
Concen: 0.213 ug/l
RT: 11.976 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

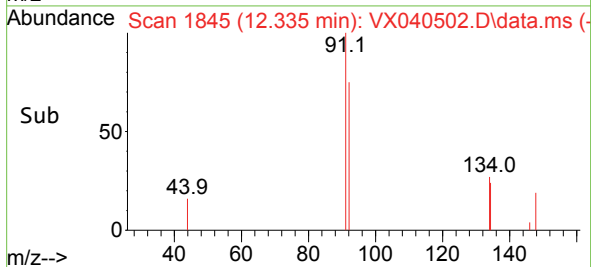
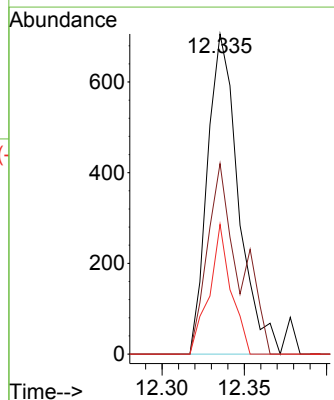
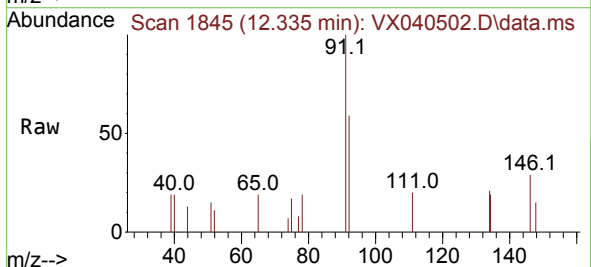


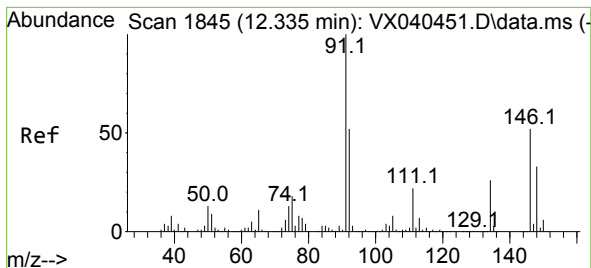
Tgt Ion:146 Resp: 394
Ion Ratio Lower Upper
146 100
111 45.2 21.3 63.7
148 71.8 31.8 95.4



#89
n-Butylbenzene
Concen: 0.281 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion: 91 Resp: 924
Ion Ratio Lower Upper
91 100
92 60.9 27.4 82.0
134 28.6 12.6 37.8

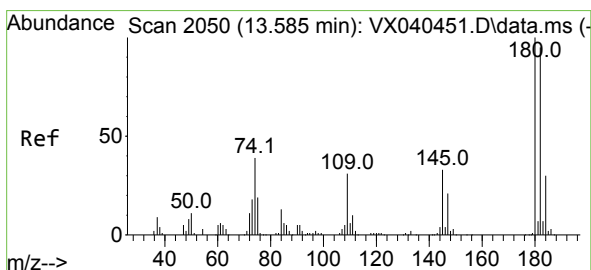
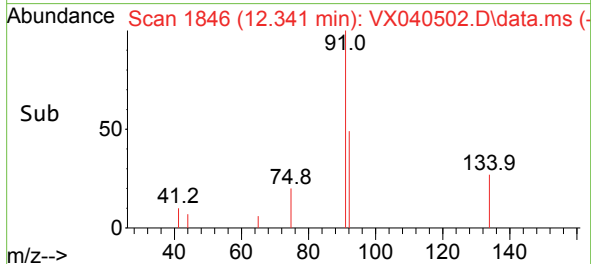
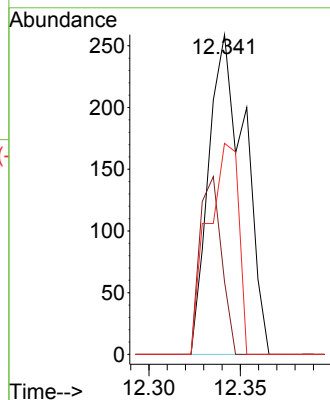
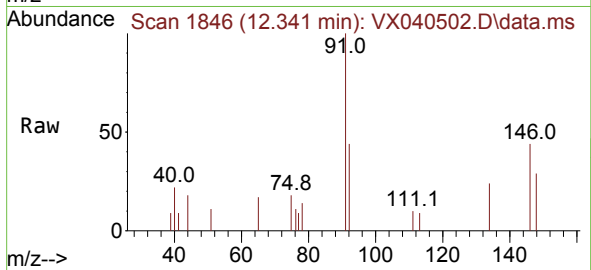




#91
1,2-Dichlorobenzene
Concen: 0.206 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

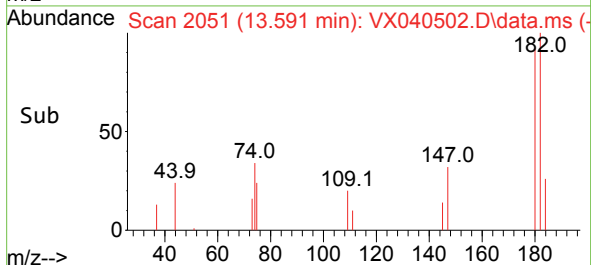
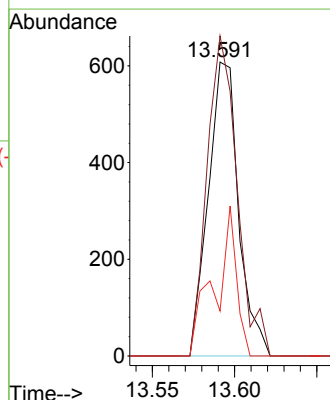
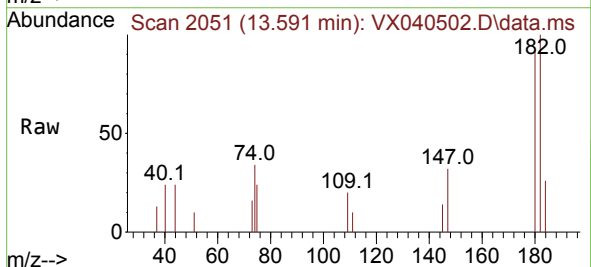
Instrument :
MSVOA_X
ClientSampleId :
VX0228MBL01

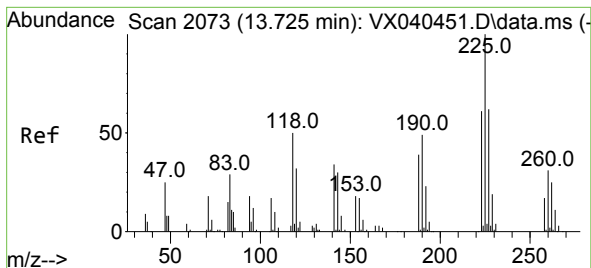
Tgt Ion:146 Resp: 356
Ion Ratio Lower Upper
146 100
111 33.7 22.4 67.0
148 56.2 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 0.688 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040502.D
Acq: 28 Feb 2024 11:24

Tgt Ion:180 Resp: 777
Ion Ratio Lower Upper
180 100
182 108.1 48.3 144.8
145 36.7 18.0 54.0





#94

Hexachlorobutadiene

Concen: 1.129 ug/l

RT: 13.731 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX040502.D

Acq: 28 Feb 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0228MBL01

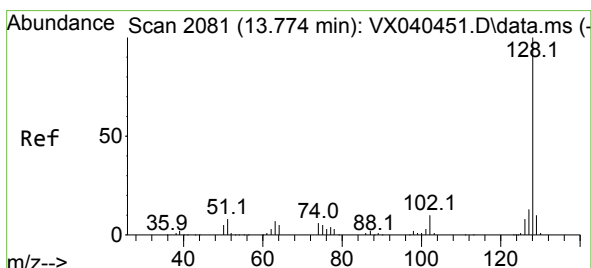
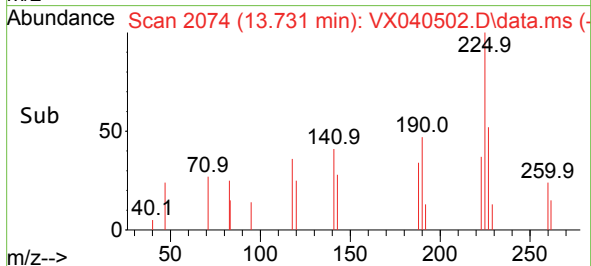
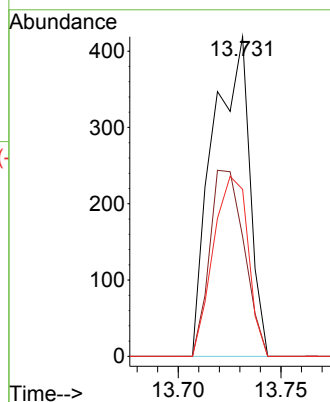
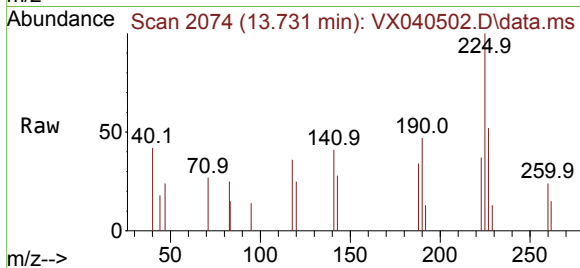
Tgt Ion:225 Resp: 521

Ion Ratio Lower Upper

225 100

223 54.7 31.1 93.2

227 53.4 32.5 97.5



#95

Naphthalene

Concen: 0.836 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040502.D

Acq: 28 Feb 2024 11:24

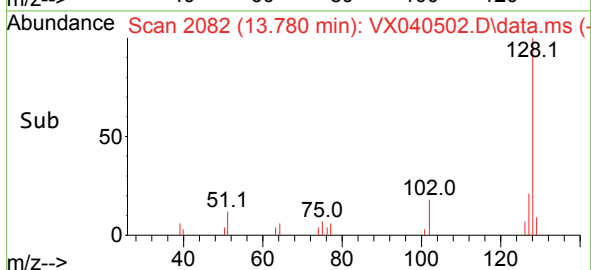
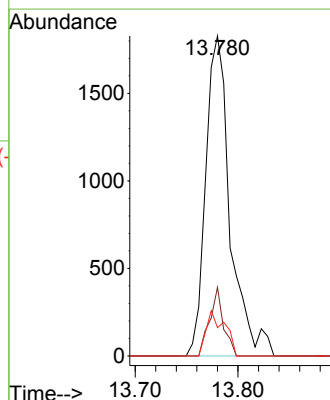
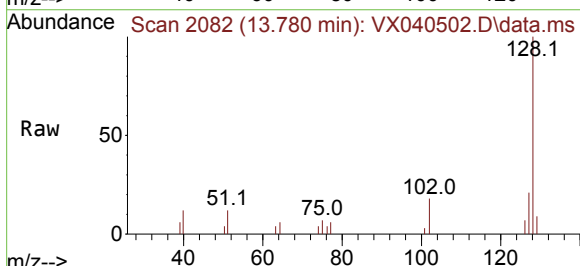
Tgt Ion:128 Resp: 3017

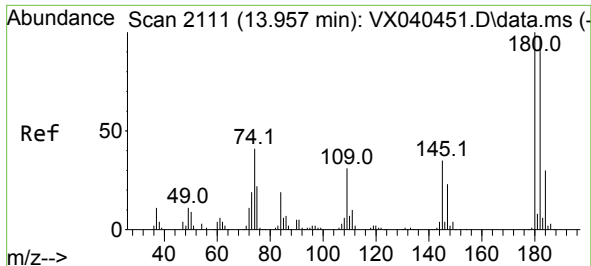
Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 10.7 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.684 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX040502.D

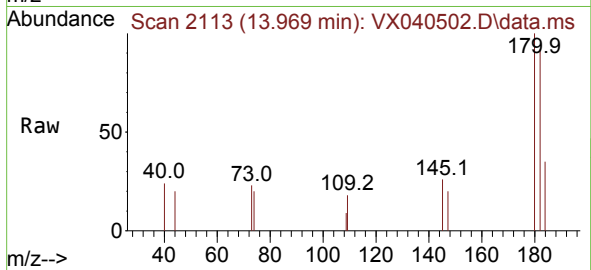
Acq: 28 Feb 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0228MBL01



Tgt Ion:180 Resp: 734

Ion Ratio Lower Upper

180 100

182 91.8 46.9 140.6

145 34.2 17.8 53.5

