

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061924\
 Data File : VX041937.D
 Acq On : 19 Jun 2024 10:44
 Operator : JC/MD
 Sample : VX0619MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619MBL01

Quant Time: Jun 20 00:55:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:57:22 2024
 Response via : Initial Calibration

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

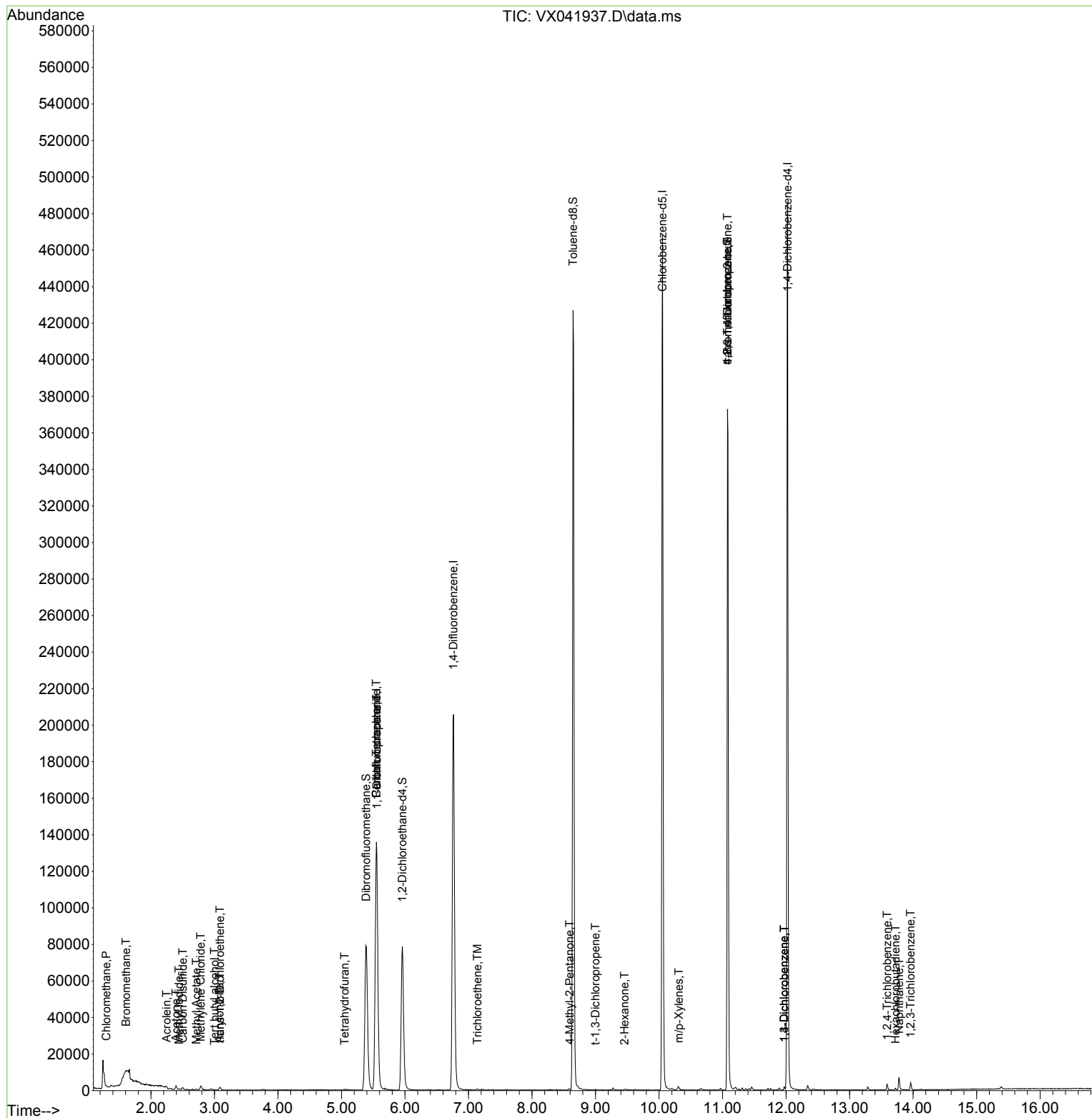
Internal Standards						
1) Pentafluorobenzene	5.550	168	149085	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	230756	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75451	43.889	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.780%
35) Dibromofluoromethane	5.385	113	71846	43.880	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.760%
50) Toluene-d8	8.647	98	270927	47.101	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.200%
62) 4-Bromofluorobenzene	11.079	95	103345	48.740	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.480%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	433	0.304	ug/l	# 54
5) Bromomethane	1.605	94	538	0.763	ug/l	# 68
6) Chloroethane	1.672	64	214	Below Cal		# 43
10) Methyl Iodide	2.440	142	647	0.404	ug/l	# 55
11) Tert butyl alcohol	3.001	59	313	0.959	ug/l	# 78
13) Acrolein	2.245	56	396	1.083	ug/l	# 67
15) Acrylonitrile	3.081	53	681	0.799	ug/l	# 81
16) Acetone	2.392	43	2123	2.812	ug/l	91
17) Carbon Disulfide	2.501	76	1744	0.665	ug/l	# 91
18) Methyl Acetate	2.715	43	612	0.297	ug/l	# 83
20) Methylene Chloride	2.782	84	1229	0.744	ug/l	# 90
21) trans-1,2-Dichloroethene	3.087	96	400	0.307	ug/l	# 61
29) Tetrahydrofuran	5.050	42	409	0.539	ug/l	# 57
36) 1,1-Dichloropropene	5.556	75	9036	5.197	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	12590	6.554	ug/l	# 16
44) Trichloroethene	7.141	130	335	0.213	ug/l	68
51) 4-Methyl-2-Pentanone	8.592	43	582	0.243	ug/l	93
53) t-1,3-Dichloropropene	9.000	75	201	0.991	ug/l	# 43
59) 2-Hexanone	9.457	43	564	0.307	ug/l	69
68) m/p-Xylenes	10.311	106	612	0.202	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	47779	22.758	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	47779	64.629	ug/l	# 5
87) 1,3-Dichlorobenzene	11.969	146	880	0.239	ug/l	89
88) 1,4-Dichlorobenzene	11.969	146	880	0.234	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	1239	0.502	ug/l	93
94) Hexachlorobutadiene	13.725	225	272	0.218	ug/l	94
95) Naphthalene	13.780	128	5442	1.394	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1524	0.586	ug/l	90

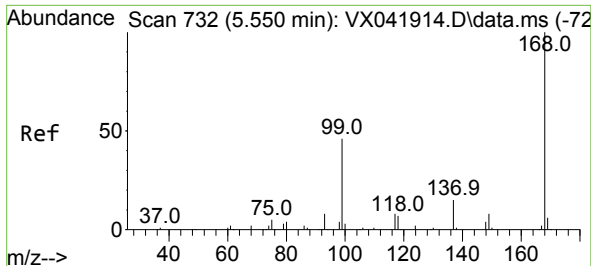
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061924\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 20 00:55:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
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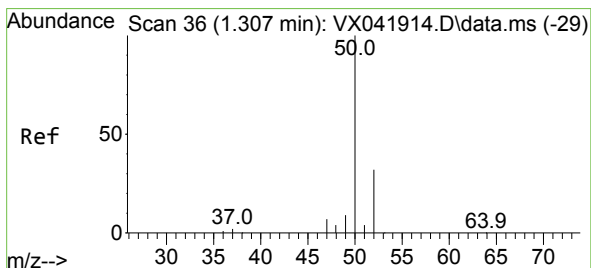
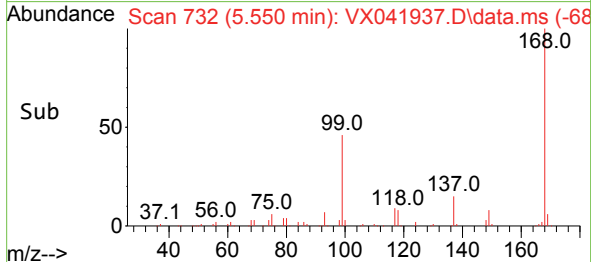
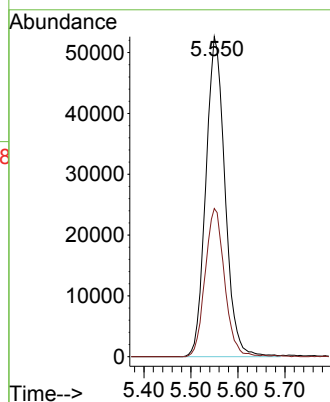
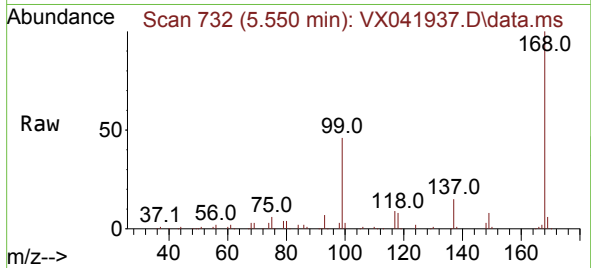




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

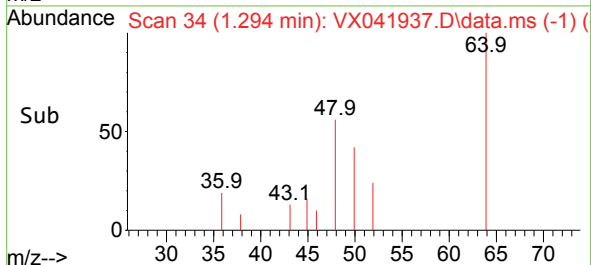
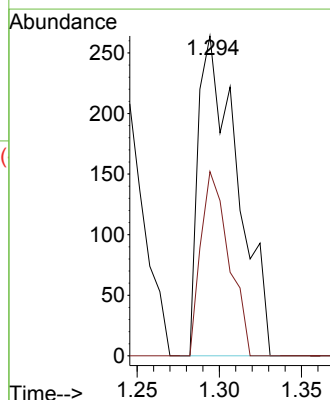
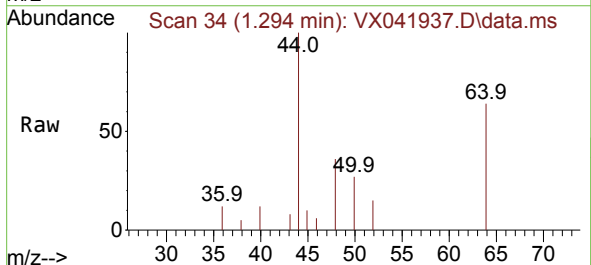
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

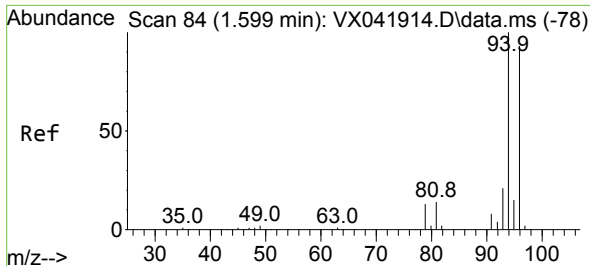
Tgt Ion:168 Resp: 149085
Ion Ratio Lower Upper
168 100
99 46.3 56.6 85.0#



#3
Chloromethane
Concen: 0.304 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 57.6 25.5 38.3#

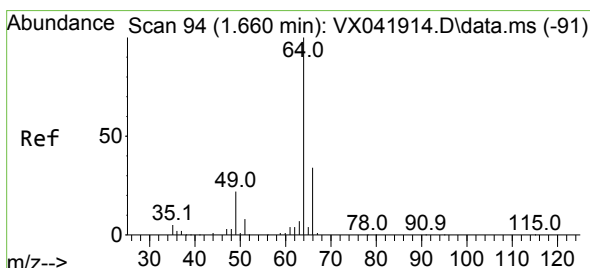
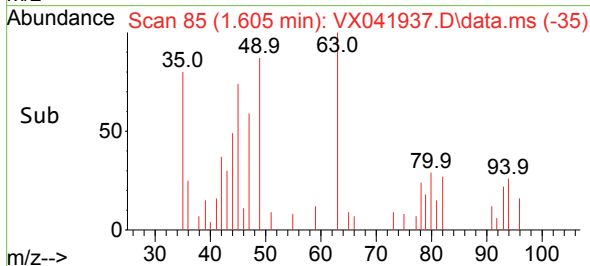
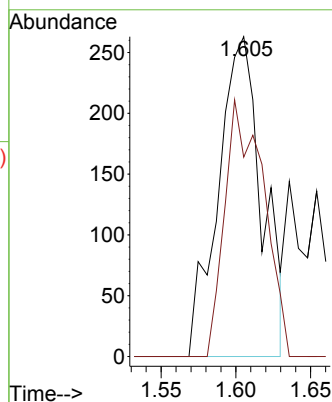
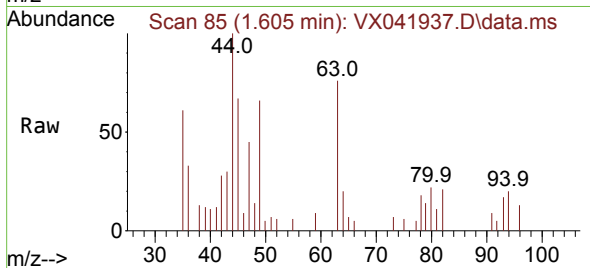




#5
Bromomethane
Concen: 0.763 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

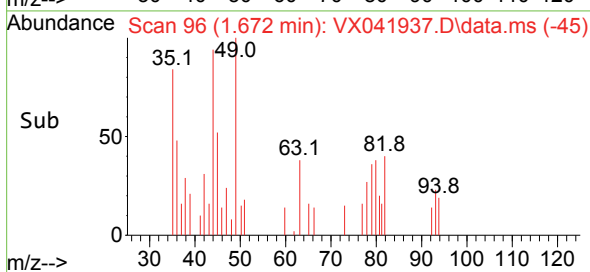
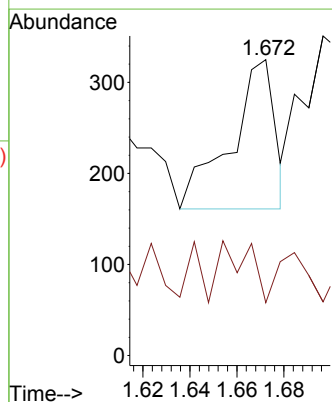
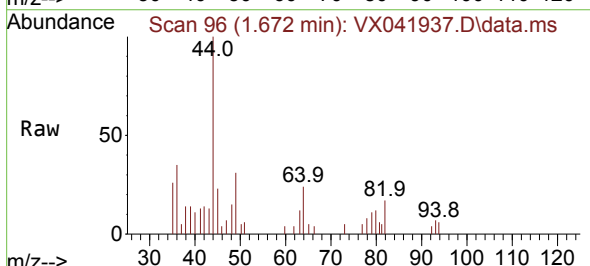
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

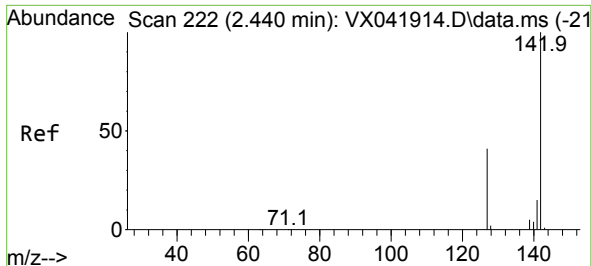
Tgt Ion: 94 Resp: 538
Ion Ratio Lower Upper
94 100
96 62.4 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

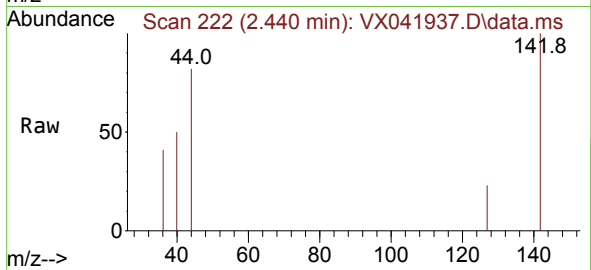
Tgt Ion: 64 Resp: 214
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



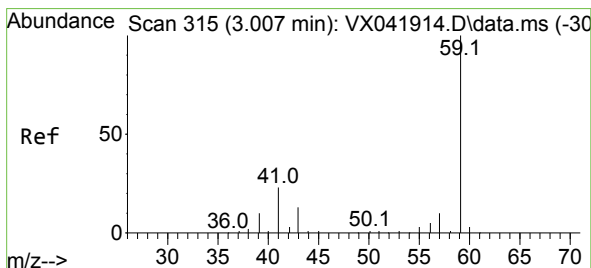
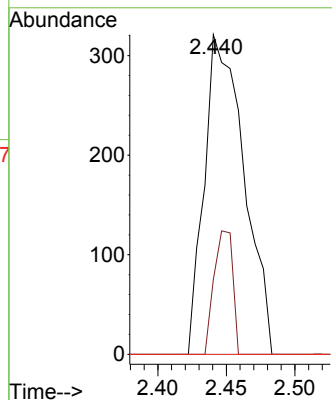


#10
Methyl Iodide
Concen: 0.404 ug/l
RT: 2.440 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

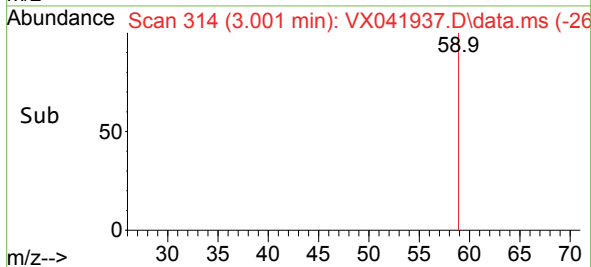
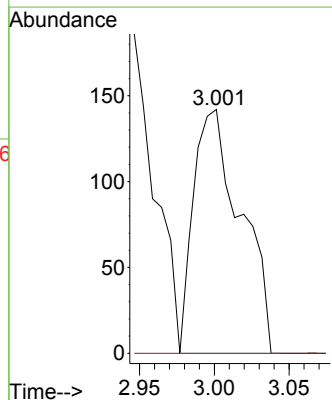
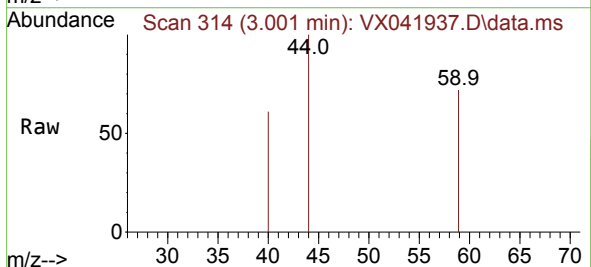


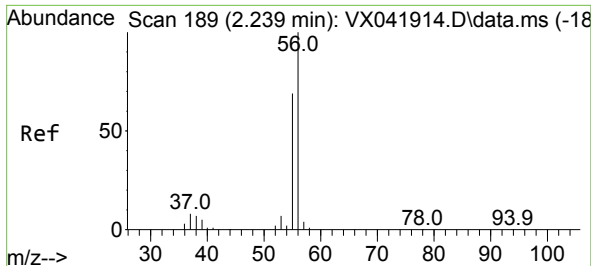
Tgt Ion:	142	Resp:	647
Ion	Ratio	Lower	Upper
142	100		
127	18.1	41.6	62.4#
141	0.0	11.6	17.4#



#11
Tert butyl alcohol
Concen: 0.959 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.006 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion:	59	Resp:	313
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.0	9.0#





#13

Acrolein

Concen: 1.083 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

Instrument :

MSVOA_X

ClientSampleId :

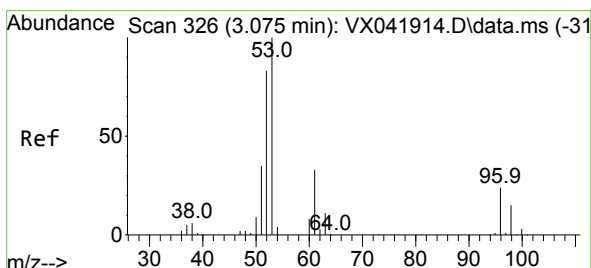
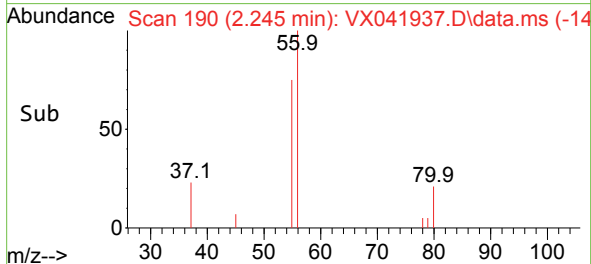
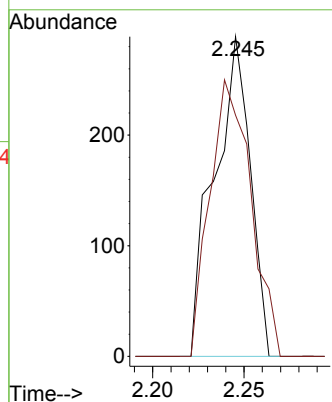
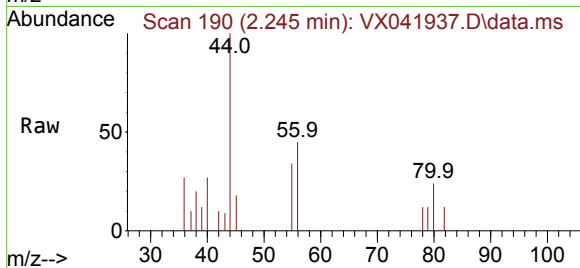
VX0619MBL01

Tgt Ion: 56 Resp: 396

Ion Ratio Lower Upper

56 100

55 98.7 57.1 85.7#



#15

Acrylonitrile

Concen: 0.799 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

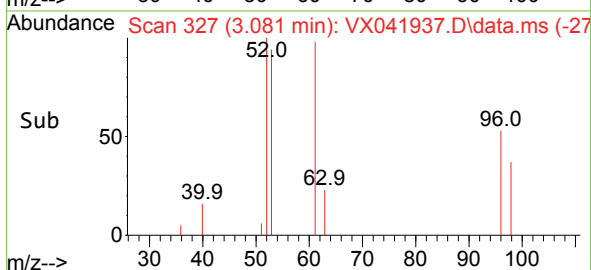
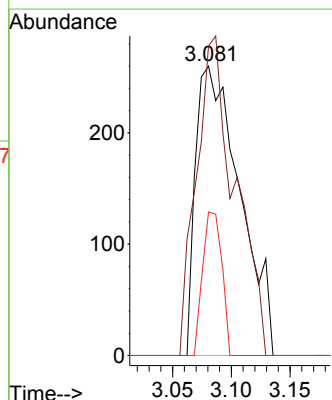
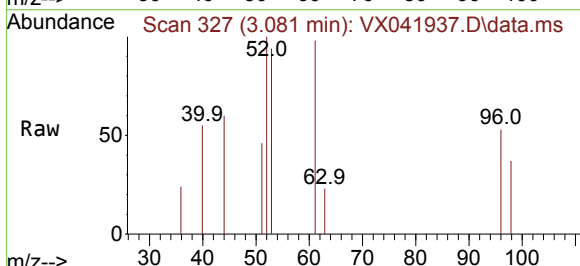
Tgt Ion: 53 Resp: 681

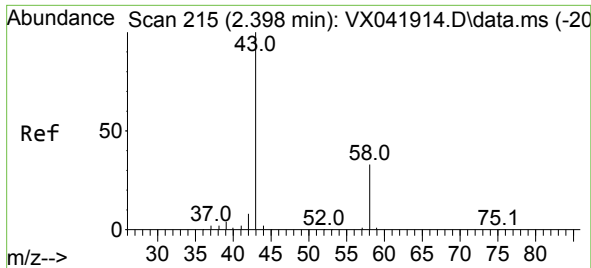
Ion Ratio Lower Upper

53 100

52 96.9 66.0 99.0

51 21.4 29.8 44.6#

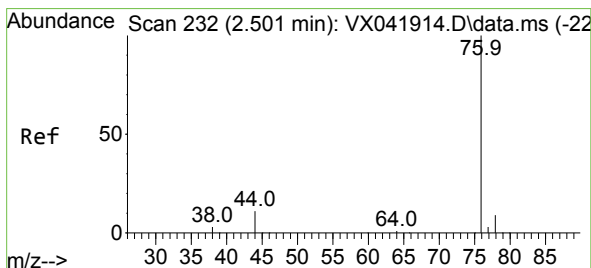
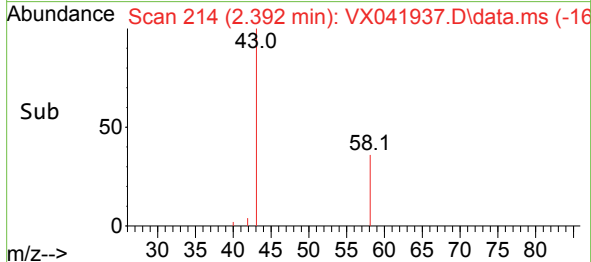
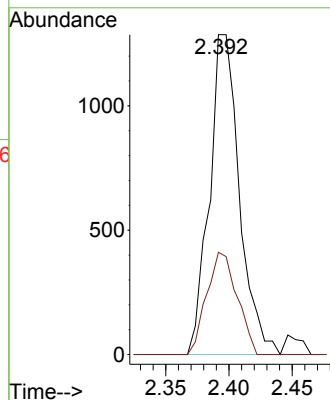
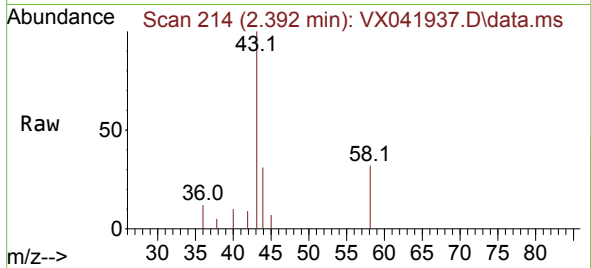




#16
Acetone
Concen: 2.812 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

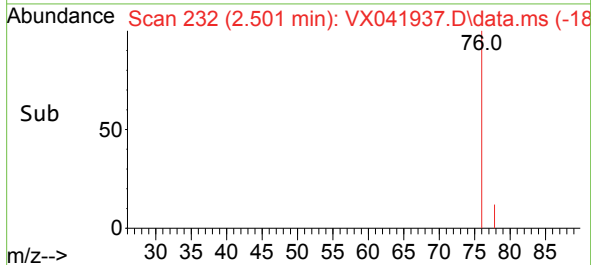
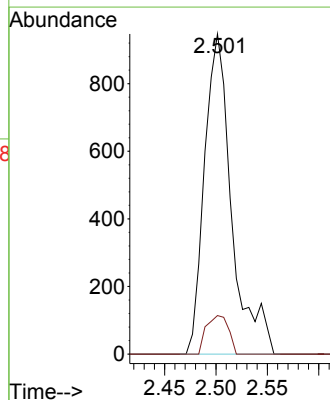
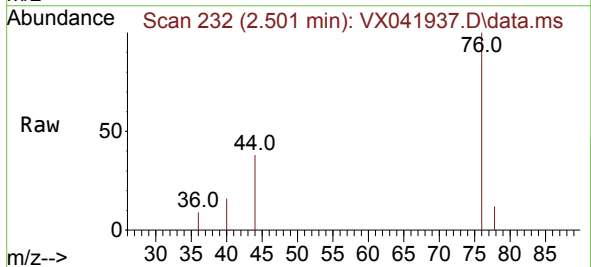
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VX0619MBL01

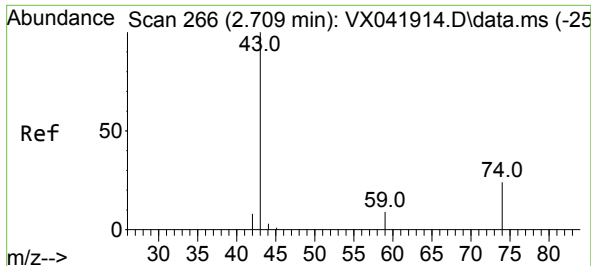
Tgt Ion: 43 Resp: 2123
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9



#17
Carbon Disulfide
Concen: 0.665 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion: 76 Resp: 1744
Ion Ratio Lower Upper
76 100
78 12.0 7.0 10.6#

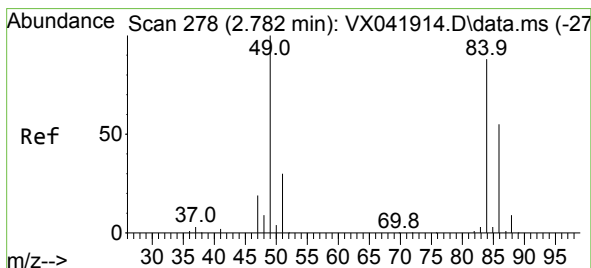
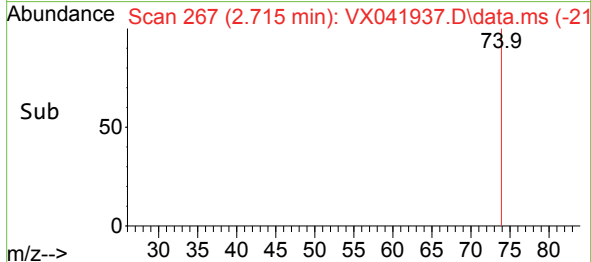
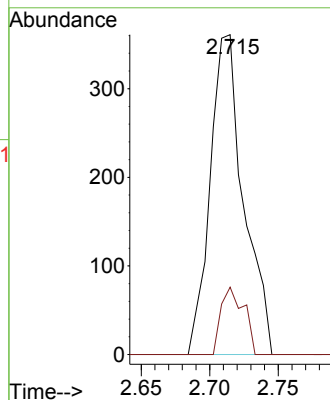
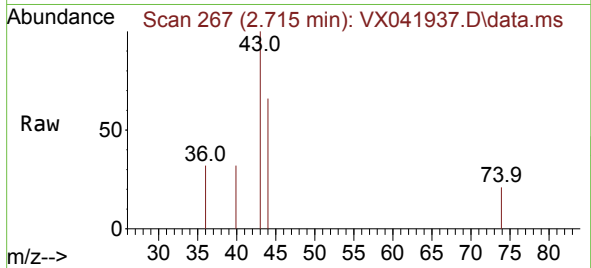




#18
Methyl Acetate
Concen: 0.297 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

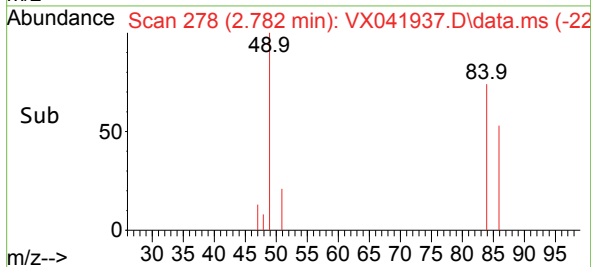
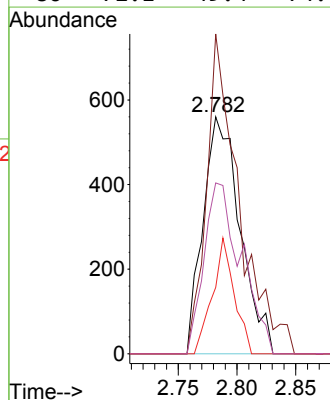
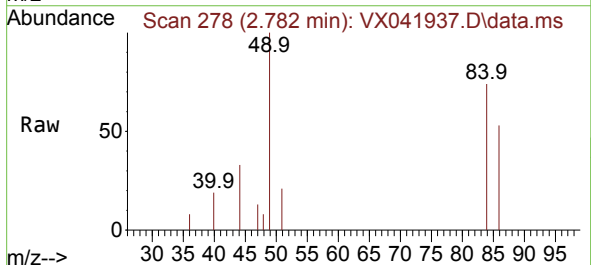
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

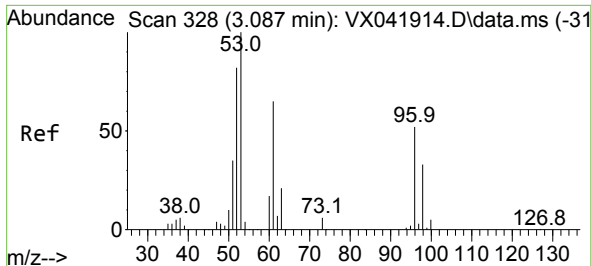
Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
74 14.4 17.8 26.8#



#20
Methylene Chloride
Concen: 0.744 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion: 84 Resp: 1229
Ion Ratio Lower Upper
84 100
49 135.0 103.6 155.4
51 28.0 33.8 50.6#
86 72.1 49.4 74.0

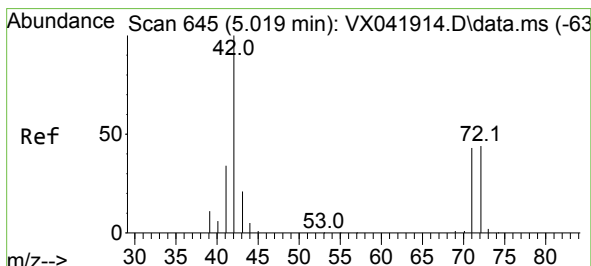
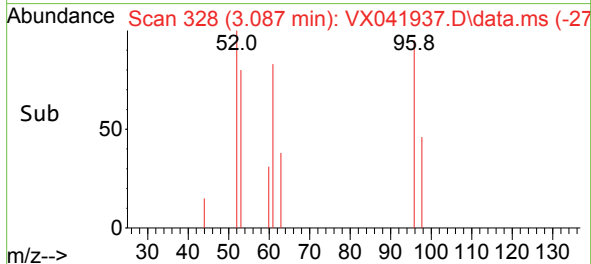
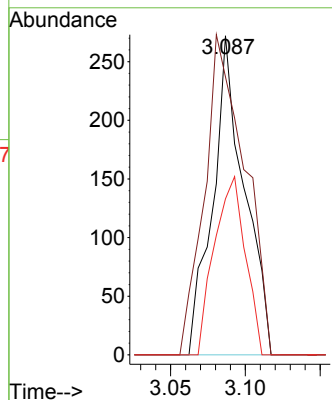
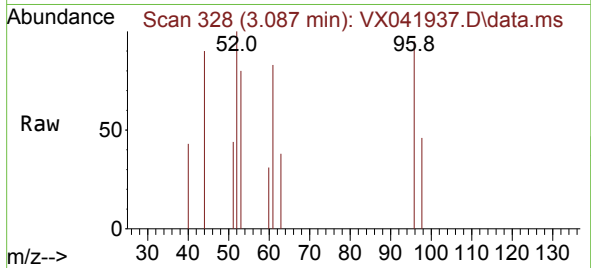




#21
trans-1,2-Dichloroethene
Concen: 0.307 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

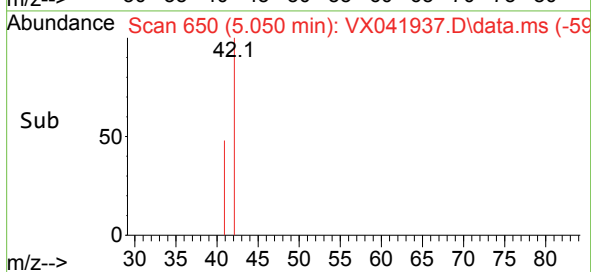
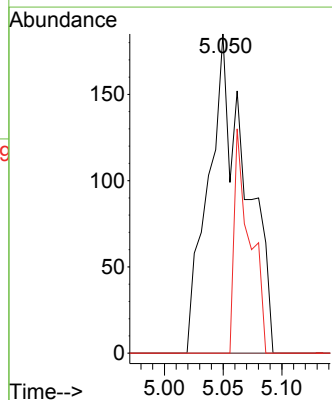
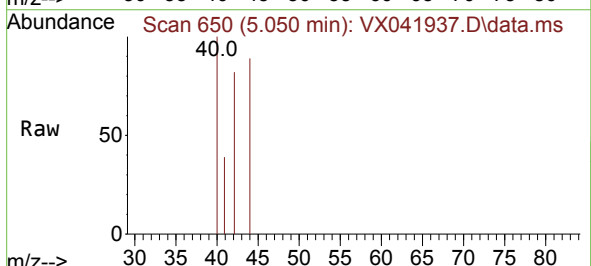
Instrument :
MSVOA_X
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VX0619MBL01

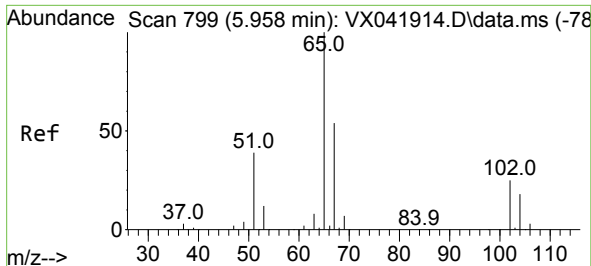
Tgt Ion: 96 Resp: 400
Ion Ratio Lower Upper
96 100
61 87.1 119.2 178.8#
98 48.9 48.7 73.1



#29
Tetrahydrofuran
Concen: 0.539 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.030 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion: 42 Resp: 409
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 29.3 32.2 48.2#

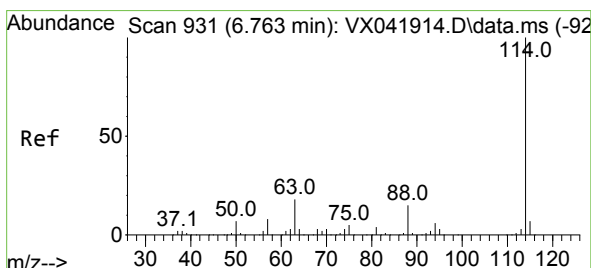
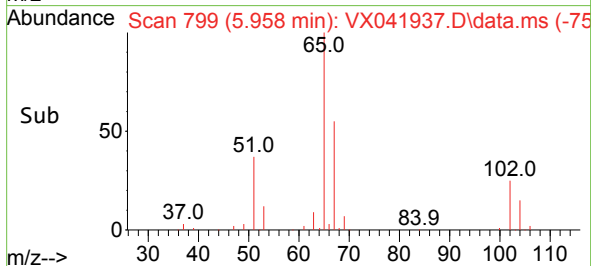
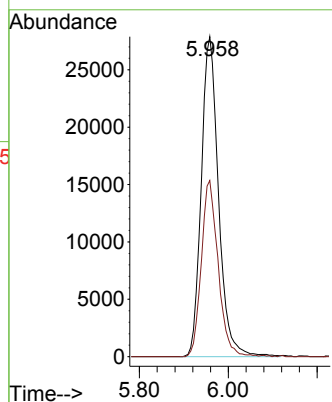
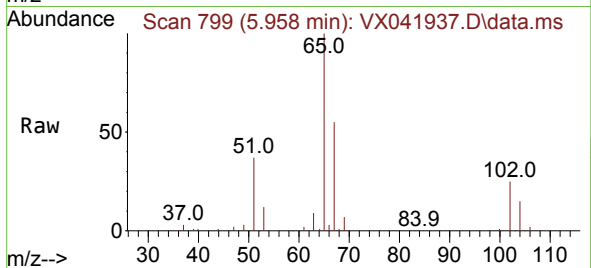




#33
1,2-Dichloroethane-d4
Concen: 43.889 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

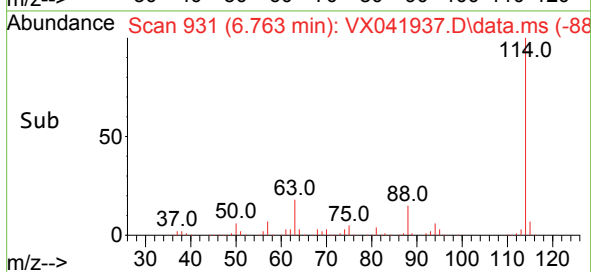
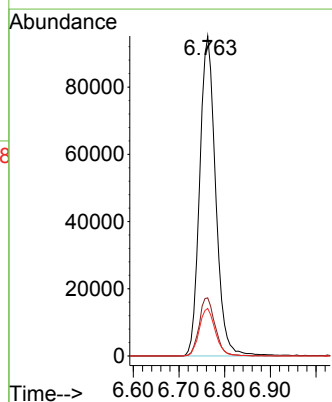
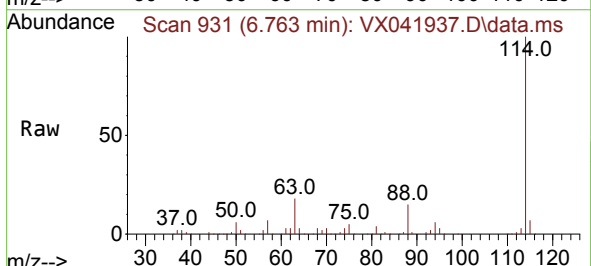
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

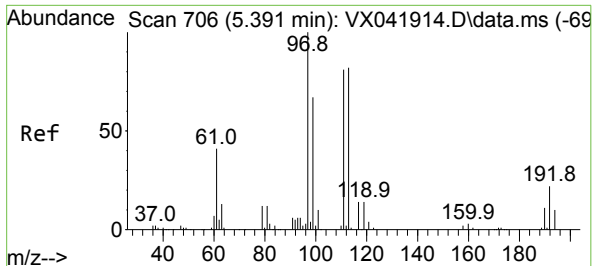
Tgt Ion: 65 Resp: 75451
Ion Ratio Lower Upper
65 100
67 53.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion: 114 Resp: 230756
Ion Ratio Lower Upper
114 100
63 18.1 0.0 45.0
88 14.9 0.0 36.6

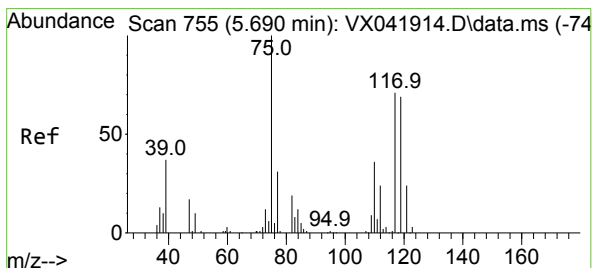
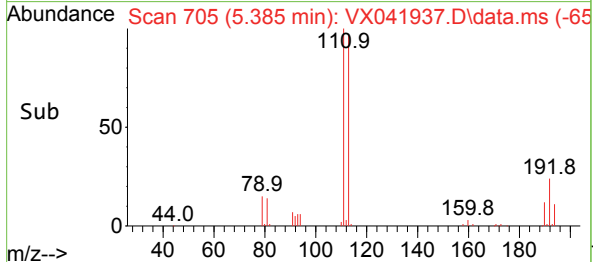
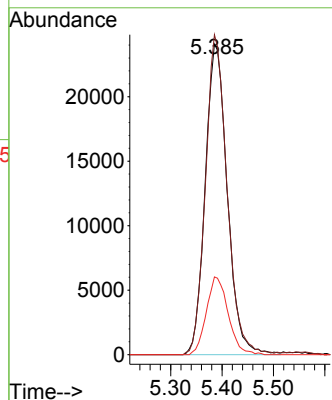
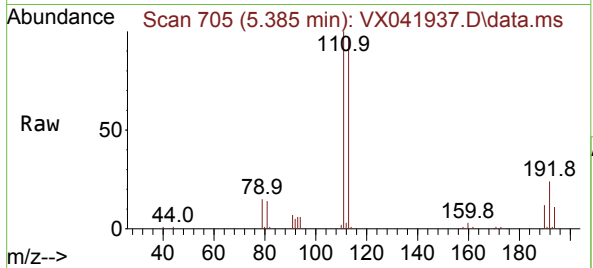




#35
Dibromofluoromethane
Concen: 43.880 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

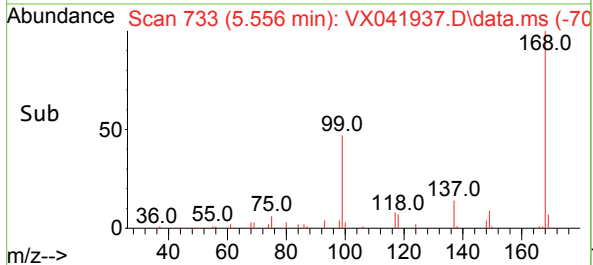
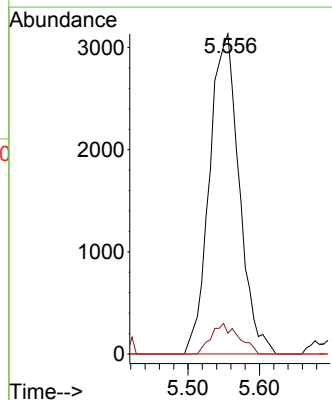
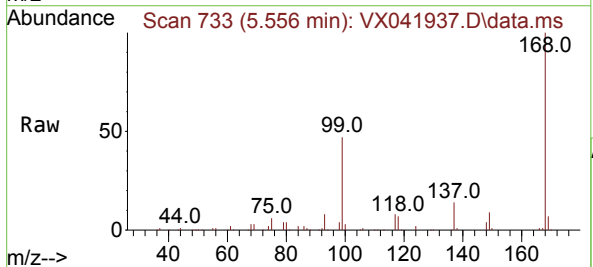
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

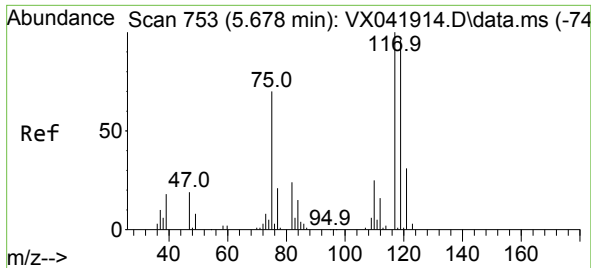
Tgt Ion:113 Resp: 71846
Ion Ratio Lower Upper
113 100
111 100.6 82.9 124.3
192 24.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.197 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion: 75 Resp: 9036
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#

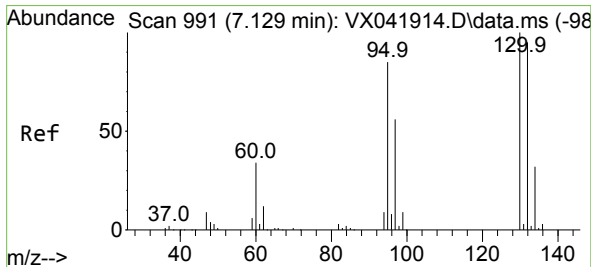
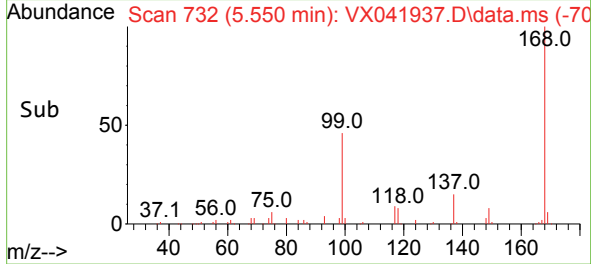
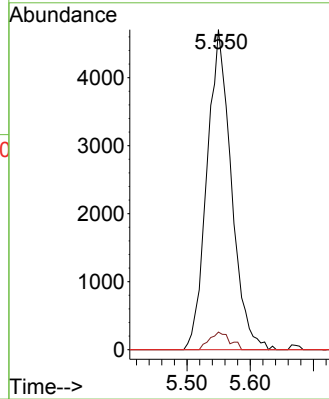
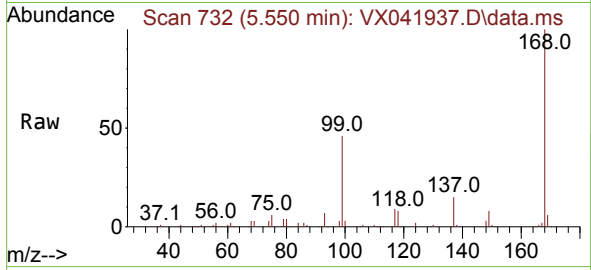




#38
Carbon Tetrachloride
Concen: 6.554 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

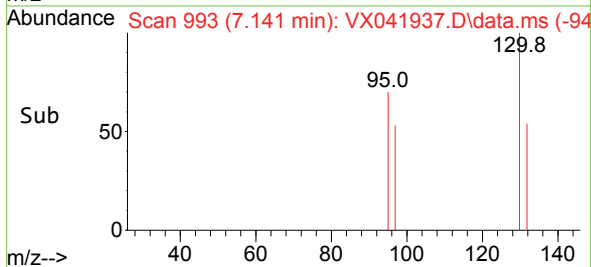
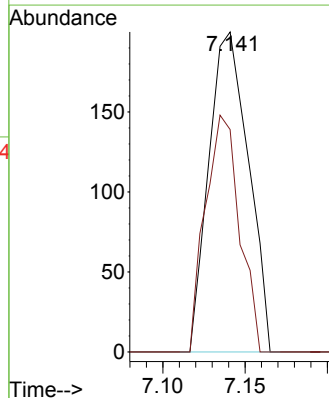
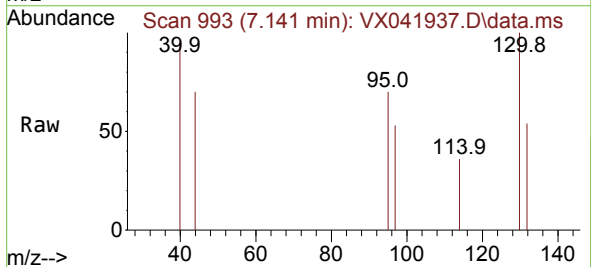
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

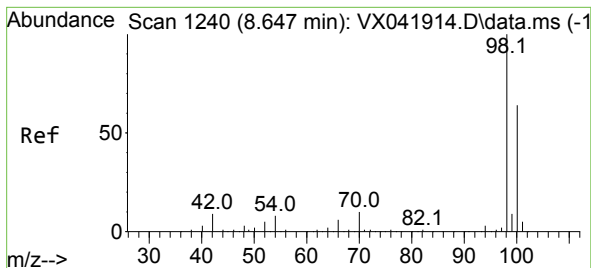
Tgt Ion:117 Resp: 12590
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.213 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion:130 Resp: 335
Ion Ratio Lower Upper
130 100
95 69.5 0.0 204.4





#50

Toluene-d8

Concen: 47.101 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

Instrument :

MSVOA_X

ClientSampleId :

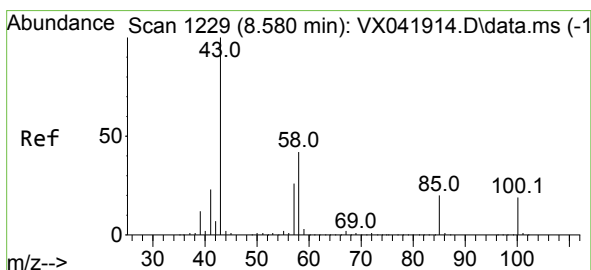
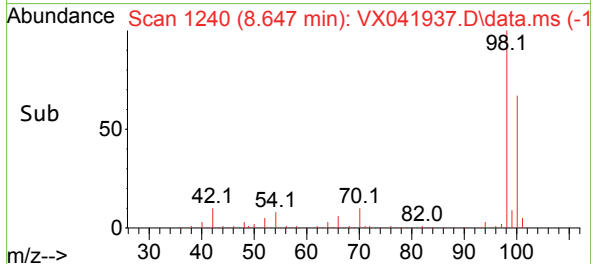
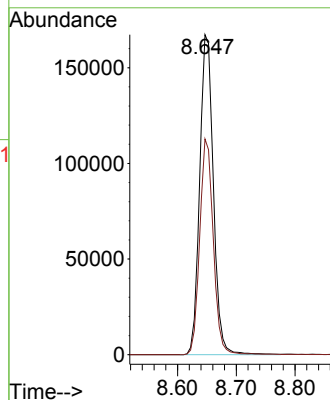
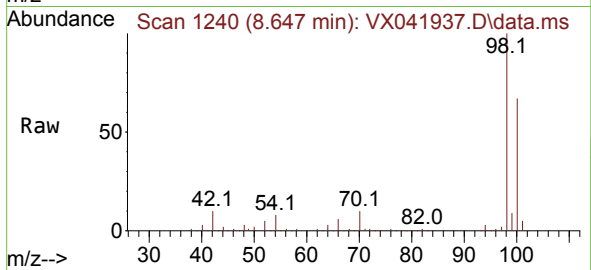
VX0619MBL01

Tgt Ion: 98 Resp: 270927

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.243 ug/l

RT: 8.592 min Scan# 1231

Delta R.T. 0.012 min

Lab File: VX041937.D

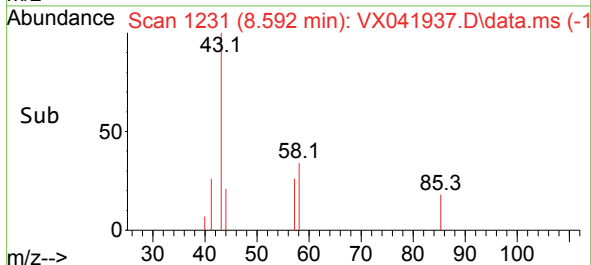
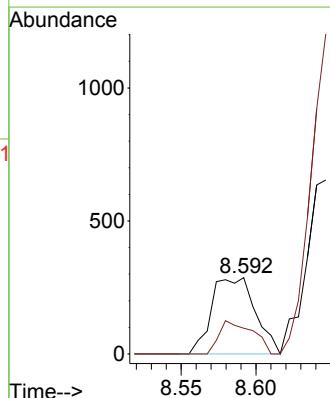
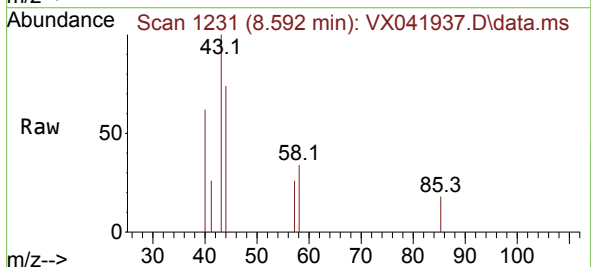
Acq: 19 Jun 2024 10:44

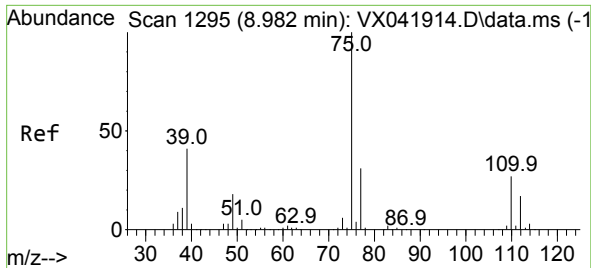
Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

58 33.5 30.4 45.6

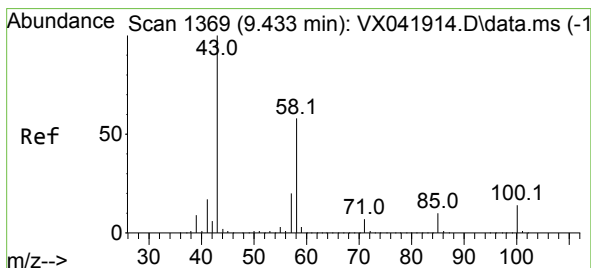
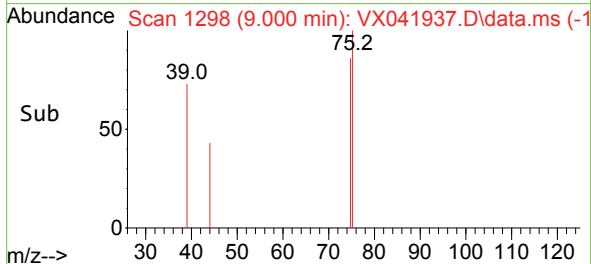
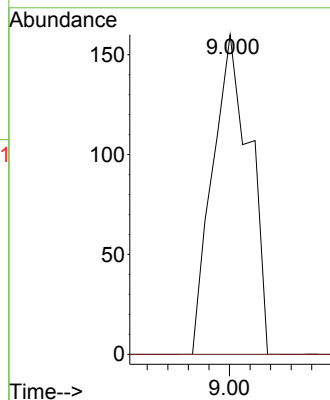
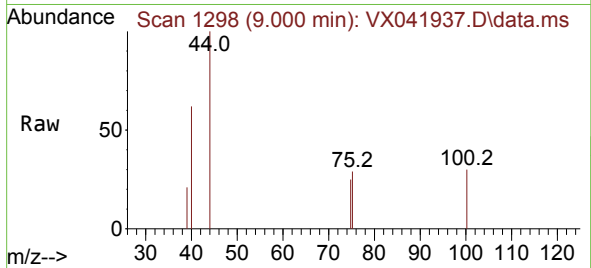




#53
t-1,3-Dichloropropene
Concen: 0.991 ug/l
RT: 9.000 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

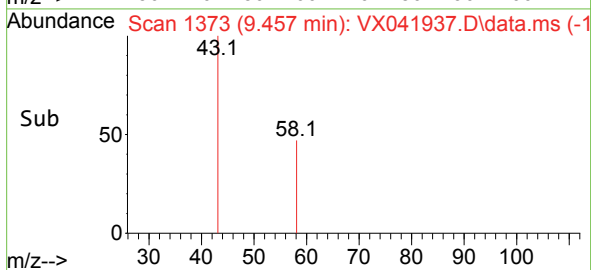
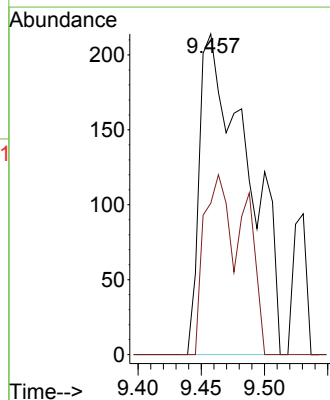
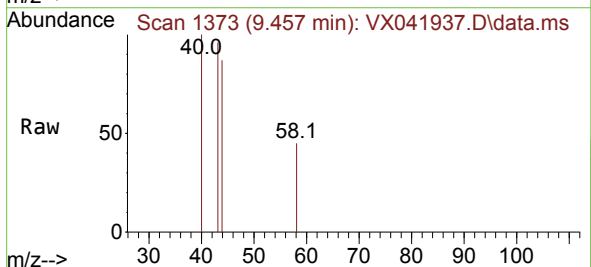
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

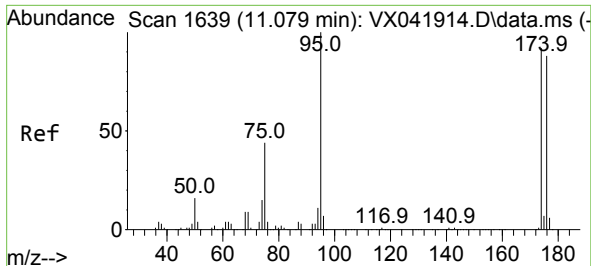
Tgt Ion: 75 Resp: 201
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 0.307 ug/l
RT: 9.457 min Scan# 1373
Delta R.T. 0.024 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
58 30.5 26.2 78.5

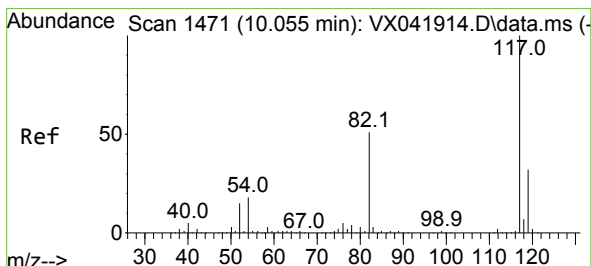
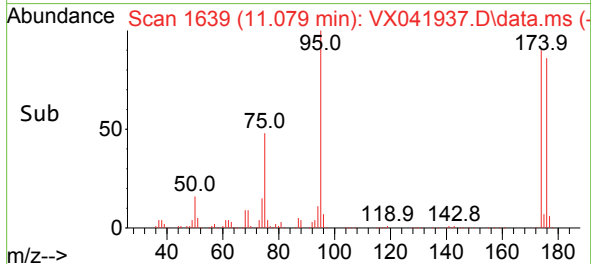
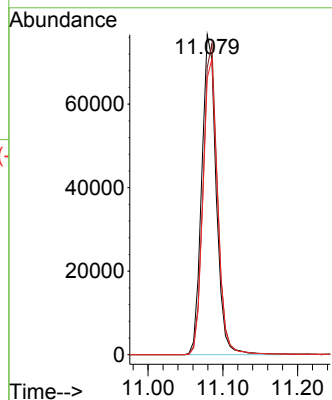
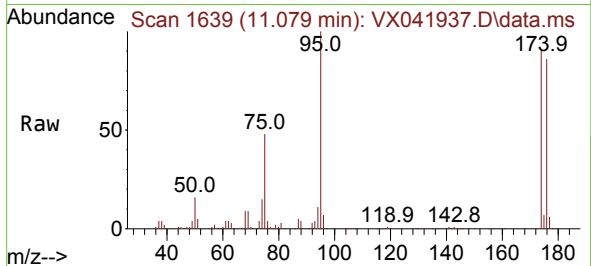




#62
4-Bromofluorobenzene
Concen: 48.740 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

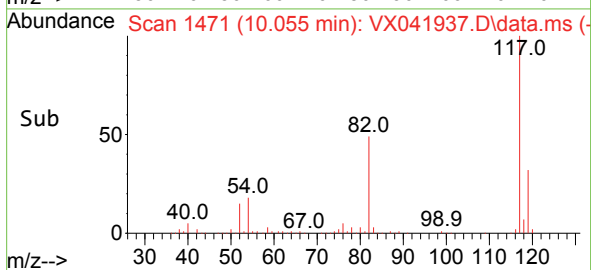
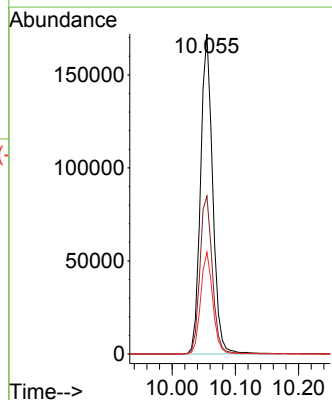
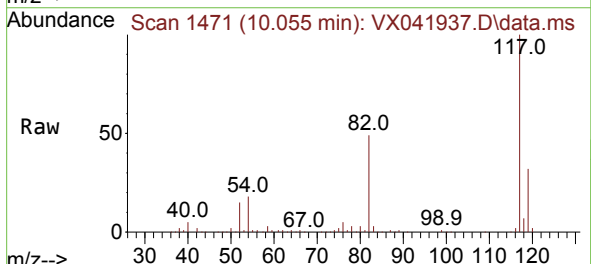
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

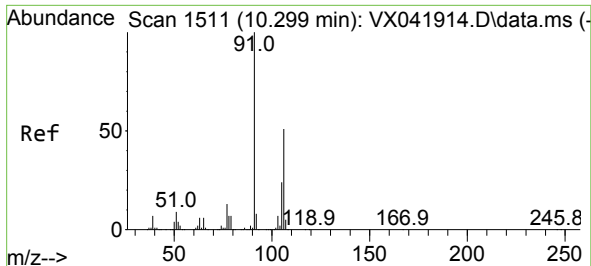
Tgt Ion: 95 Resp: 103345
Ion Ratio Lower Upper
95 100
174 97.0 0.0 135.6
176 93.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion: 117 Resp: 230048
Ion Ratio Lower Upper
117 100
82 49.3 46.2 69.4
119 31.8 25.5 38.3

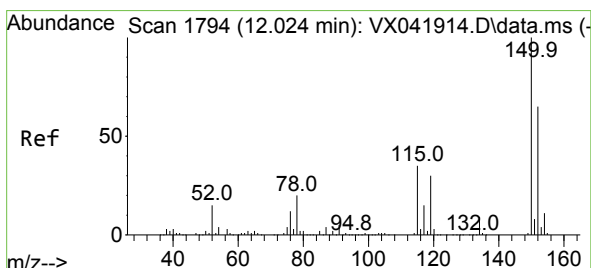
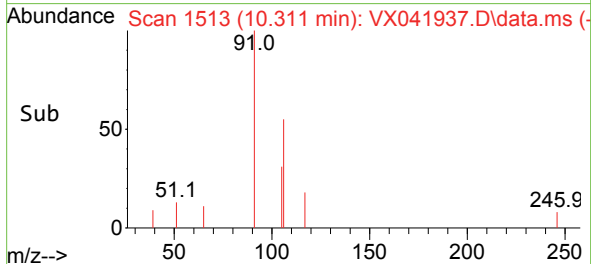
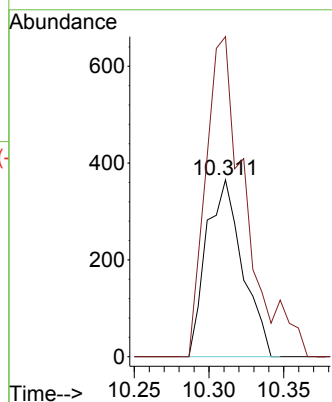
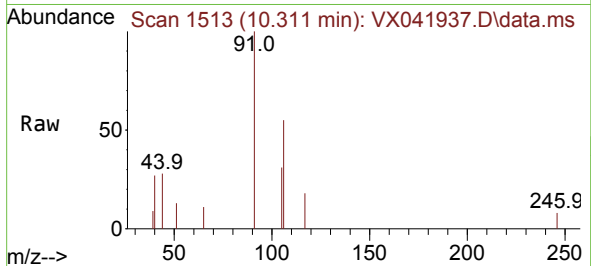




#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

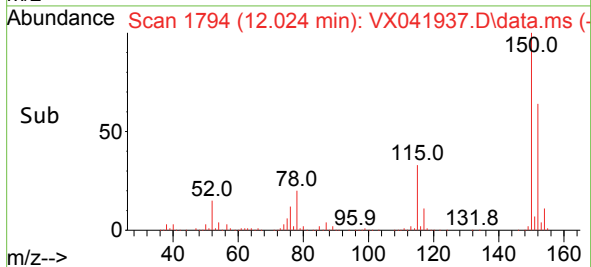
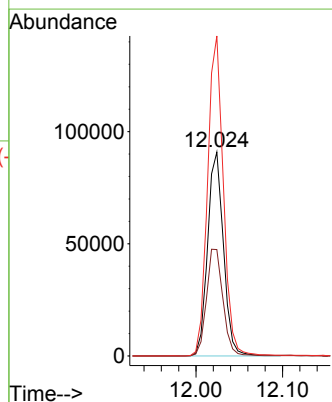
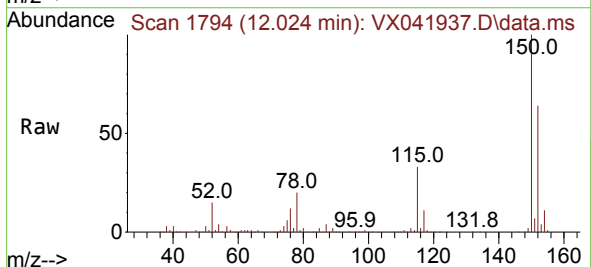
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

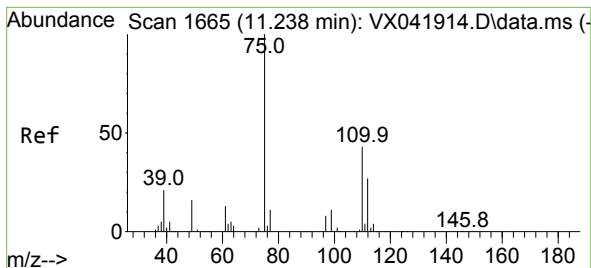
Tgt Ion:106 Resp: 612
Ion Ratio Lower Upper
106 100
91 199.7 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041937.D
Acq: 19 Jun 2024 10:44

Tgt Ion:152 Resp: 115648
Ion Ratio Lower Upper
152 100
115 54.7 43.3 129.9
150 156.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.758 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

Instrument :

MSVOA_X

ClientSampleId :

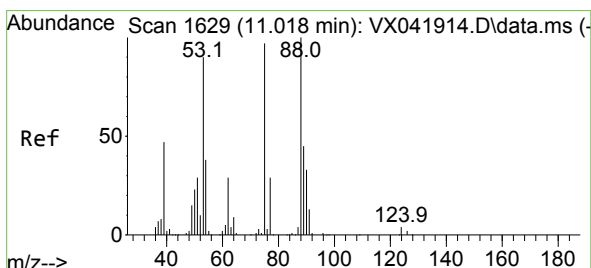
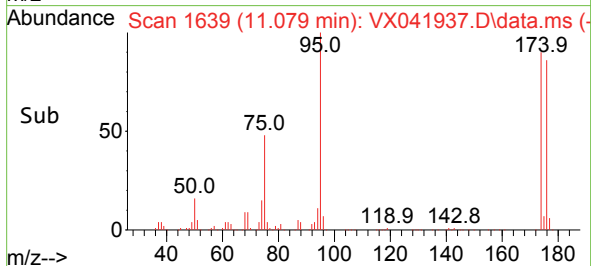
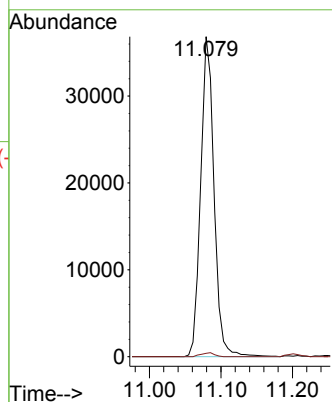
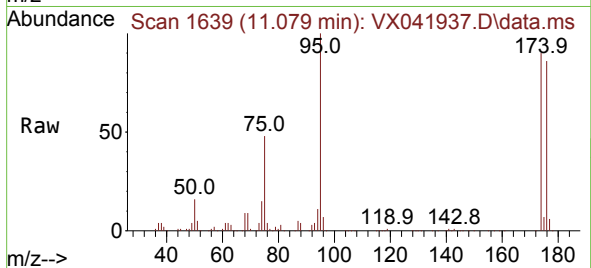
VX0619MBL01

Tgt Ion: 75 Resp: 47779

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.629 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

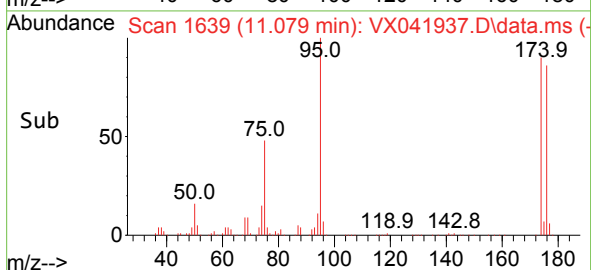
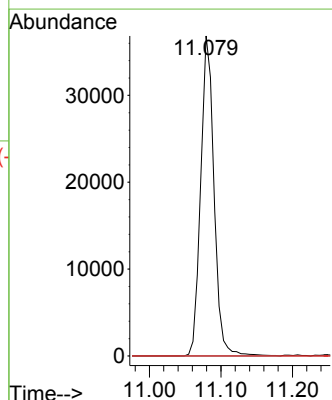
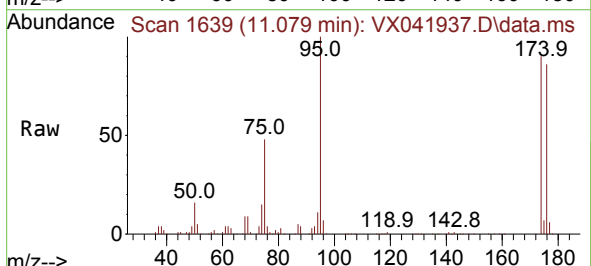
Tgt Ion: 75 Resp: 47779

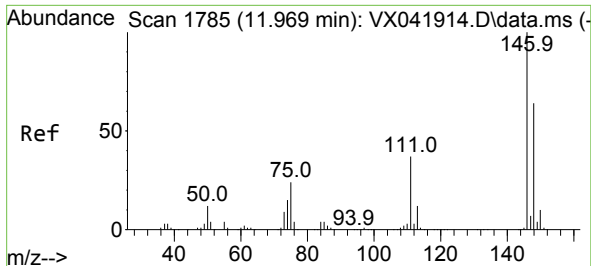
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.239 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

Instrument :

MSVOA_X

ClientSampleId :

VX0619MBL01

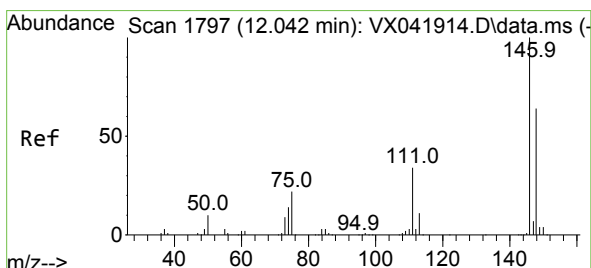
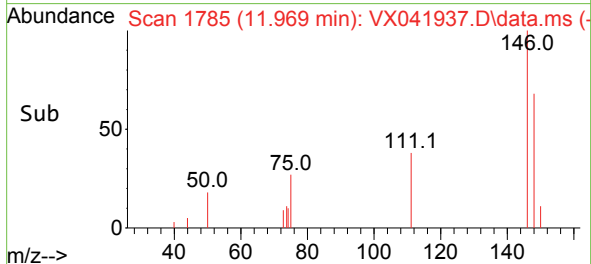
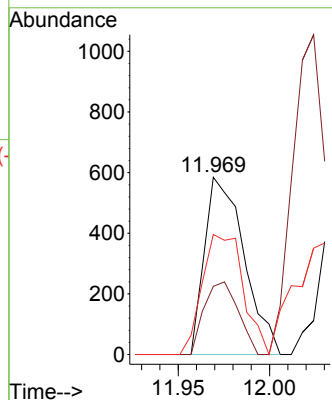
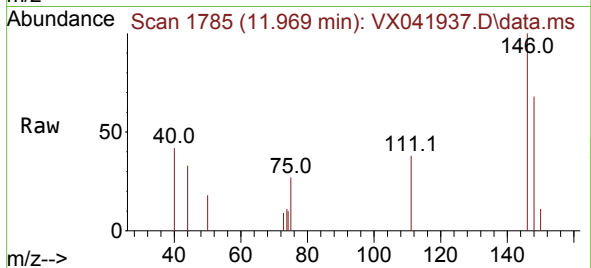
Tgt Ion:146 Resp: 880

Ion Ratio Lower Upper

146 100

111 35.3 22.1 66.1

148 70.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

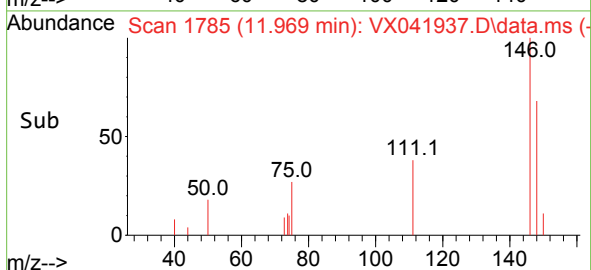
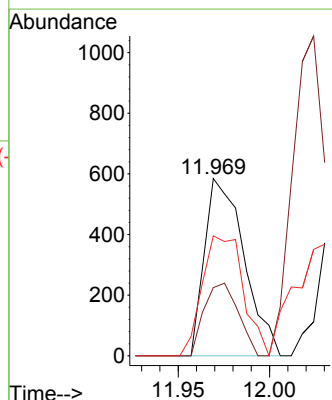
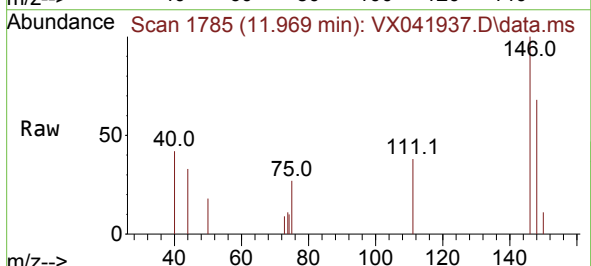
Tgt Ion:146 Resp: 880

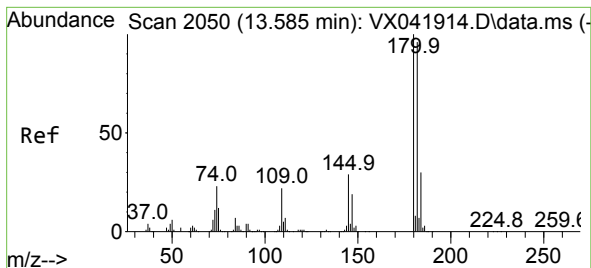
Ion Ratio Lower Upper

146 100

111 35.3 21.3 63.7

148 70.5 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.502 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

Instrument :

MSVOA_X

ClientSampleId :

VX0619MBL01

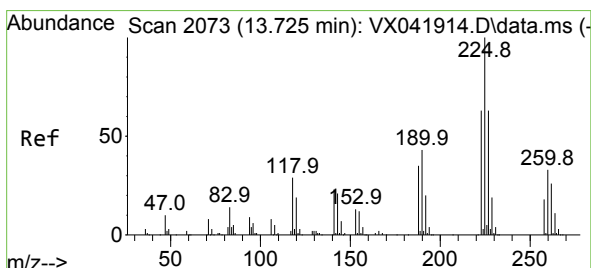
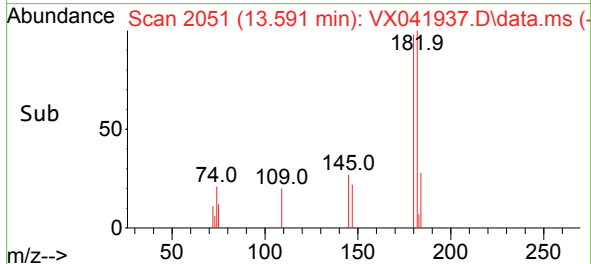
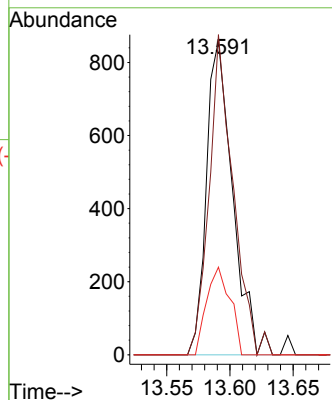
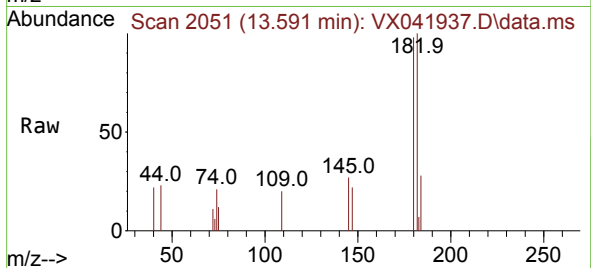
Tgt Ion:180 Resp: 1239

Ion Ratio Lower Upper

180 100

182 93.6 48.3 144.8

145 25.0 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.218 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

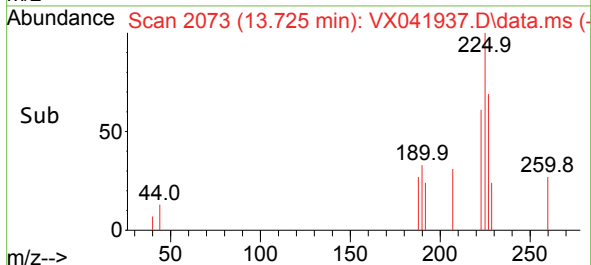
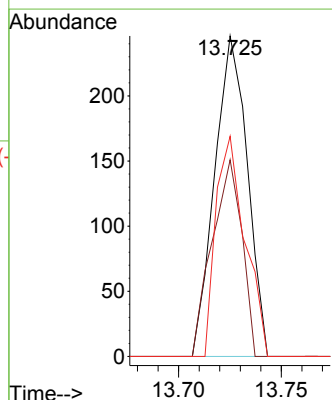
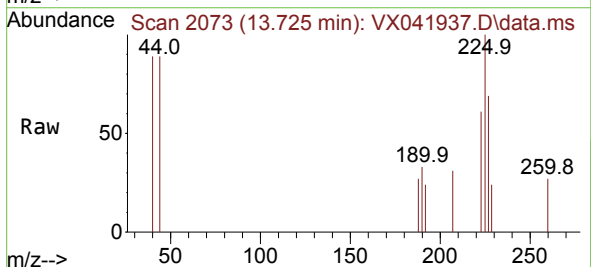
Tgt Ion:225 Resp: 272

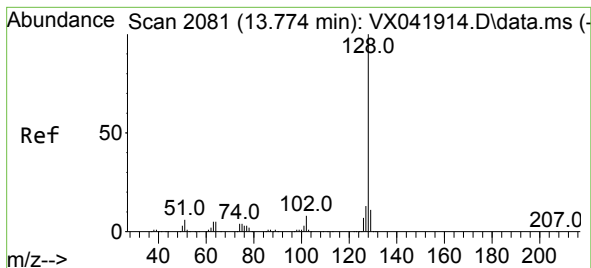
Ion Ratio Lower Upper

225 100

223 55.9 31.1 93.2

227 61.4 32.5 97.5





#95

Naphthalene

Concen: 1.394 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

Instrument :

MSVOA_X

ClientSampleId :

VX0619MBL01

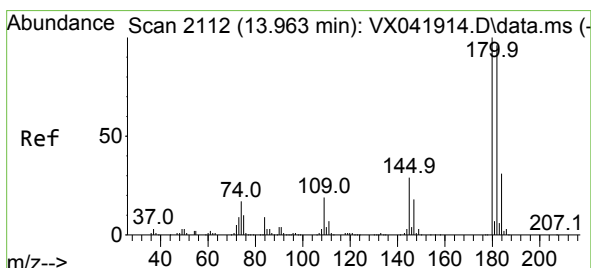
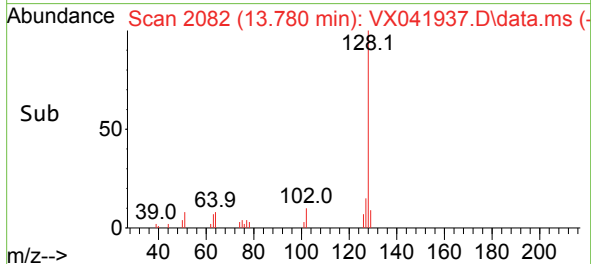
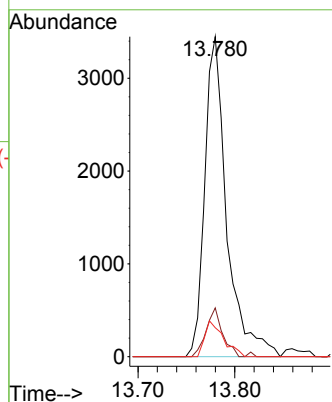
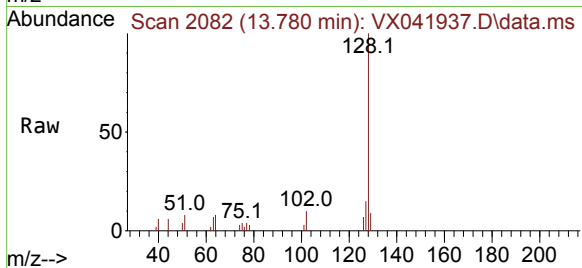
Tgt Ion:128 Resp: 5442

Ion Ratio Lower Upper

128 100

127 11.4 10.3 15.5

129 9.5 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.586 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX041937.D

Acq: 19 Jun 2024 10:44

Tgt Ion:180 Resp: 1524

Ion Ratio Lower Upper

180 100

182 86.7 46.9 140.6

145 25.6 17.8 53.5

