

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
 Data File : VX045376.D
 Acq On : 21 Mar 2025 10:29
 Operator : JC/MD
 Sample : VX0321MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321MBL01

Quant Time: Mar 21 23:10:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

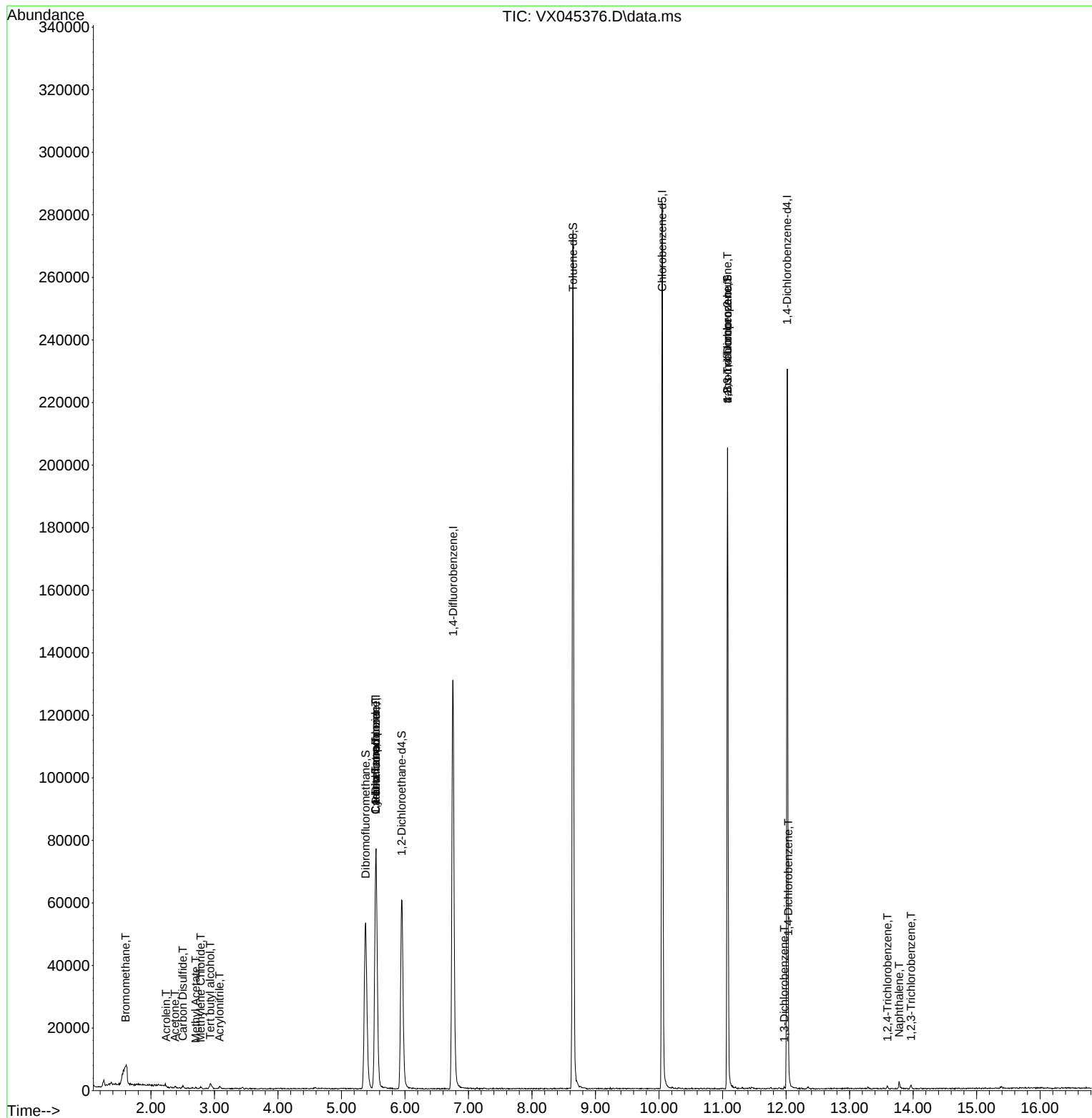
Internal Standards						
1) Pentafluorobenzene	5.544	168	66692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	60210	56.757	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.520%			
35) Dibromofluoromethane	5.379	113	46150	53.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.600%			
50) Toluene-d8	8.647	98	162533	51.781	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.560%			
62) 4-Bromofluorobenzene	11.079	95	53630	51.561	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.120%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	182	0.454	ug/l #	3
11) Tert butyl alcohol	2.934	59	1067	5.310	ug/l #	73
13) Acrolein	2.239	56	169	0.728	ug/l #	80
15) Acrylonitrile	3.081	53	305	0.566	ug/l #	70
16) Acetone	2.380	43	578	1.174	ug/l	92
17) Carbon Disulfide	2.501	76	1003	0.460	ug/l #	77
18) Methyl Acetate	2.703	43	277	0.234	ug/l #	54
20) Methylene Chloride	2.782	84	229	0.235	ug/l #	69
31) Cyclohexane	5.538	56	2008	1.391	ug/l #	27
36) 1,1-Dichloropropene	5.538	75	6129	5.162	ug/l #	50
38) Carbon Tetrachloride	5.538	117	7707	6.393	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	29635	29.523	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	29635	101.032	ug/l #	6
87) 1,3-Dichlorobenzene	11.969	146	309	0.218	ug/l #	64
88) 1,4-Dichlorobenzene	12.036	146	411	0.287	ug/l #	2
93) 1,2,4-Trichlorobenzene	13.597	180	285	0.352	ug/l	94
95) Naphthalene	13.780	128	2304	0.741	ug/l #	86
96) 1,2,3-Trichlorobenzene	13.969	180	423	0.495	ug/l	91

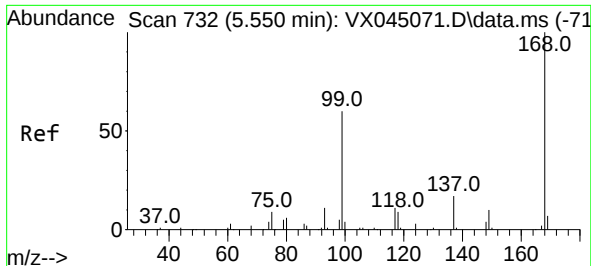
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 21 23:10:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

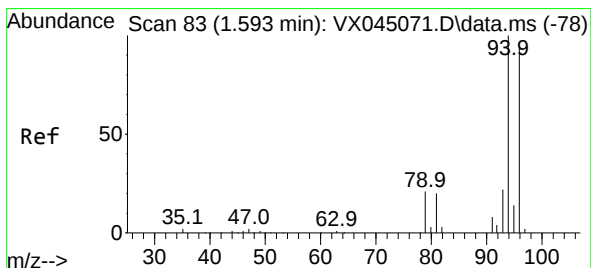
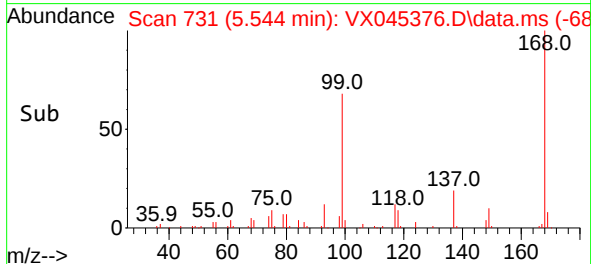
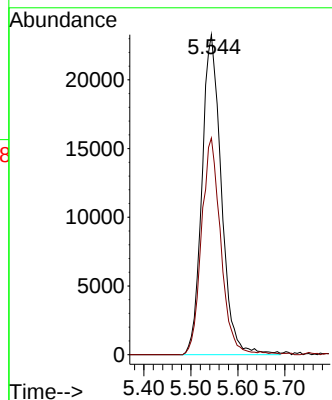
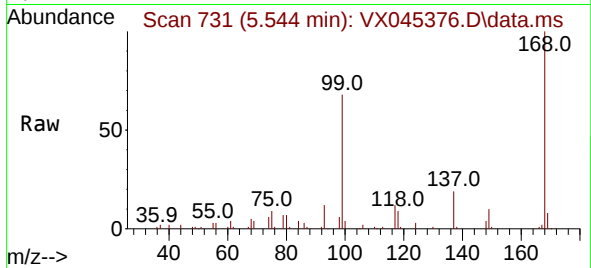




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

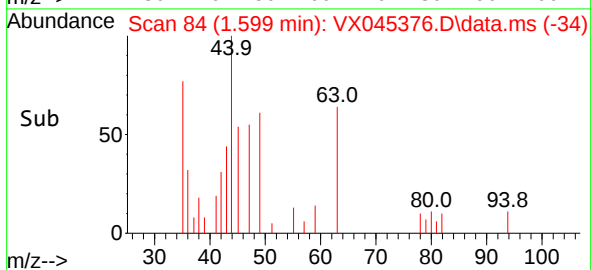
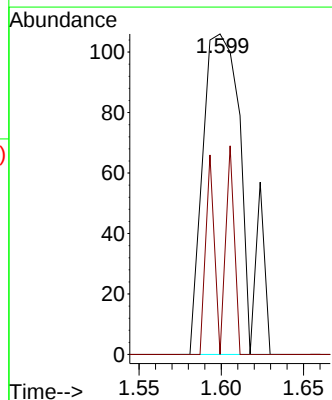
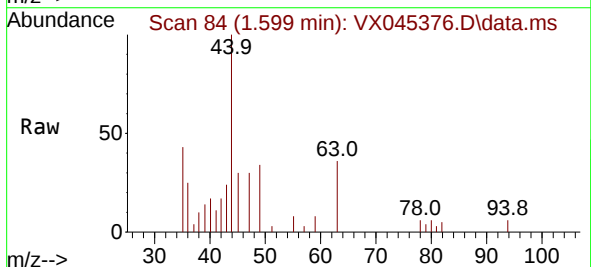
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

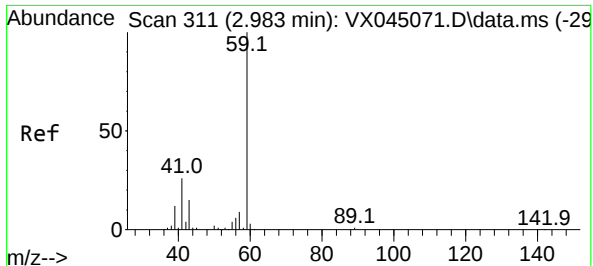
Tgt Ion:168 Resp: 66692
Ion Ratio Lower Upper
168 100
99 67.7 48.2 72.4



#5
Bromomethane
Concen: 0.454 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

Tgt Ion: 94 Resp: 182
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

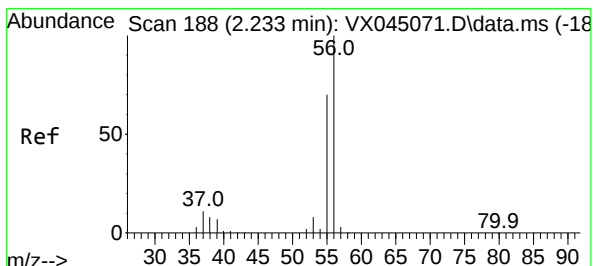
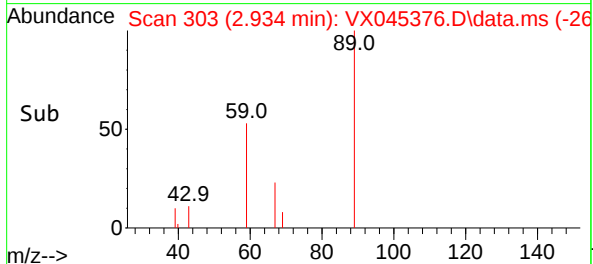
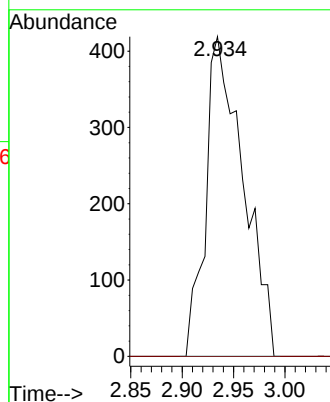
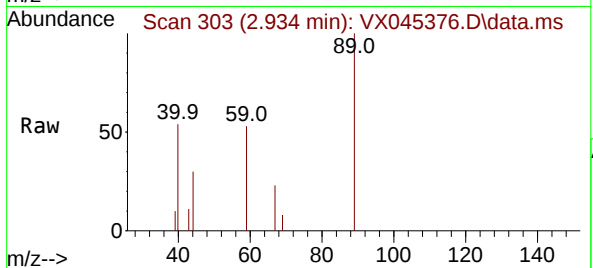




#11
Tert butyl alcohol
Concen: 5.310 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

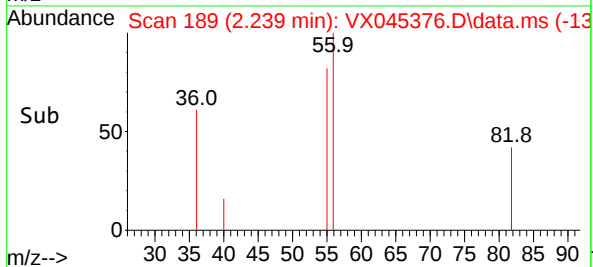
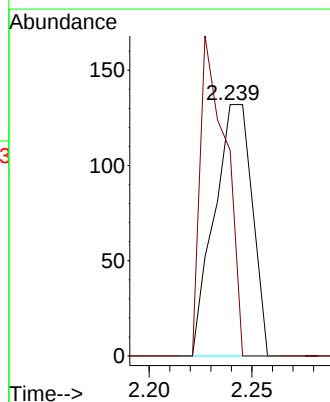
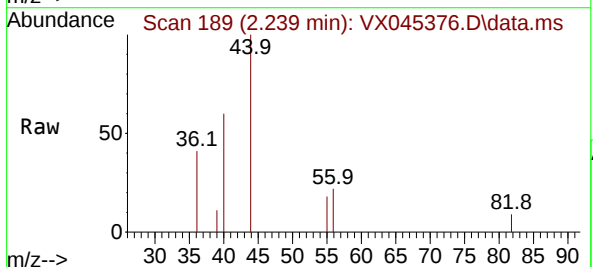
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

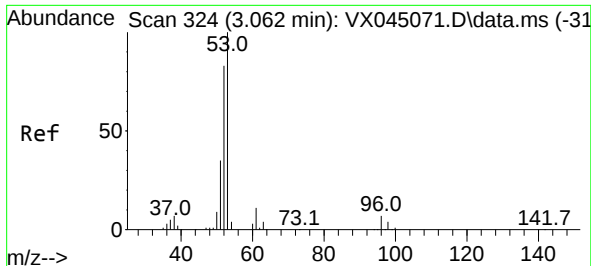
Tgt Ion: 59 Resp: 1067
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.728 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 86.4 56.2 84.4#





#15

Acrylonitrile

Concen: 0.566 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

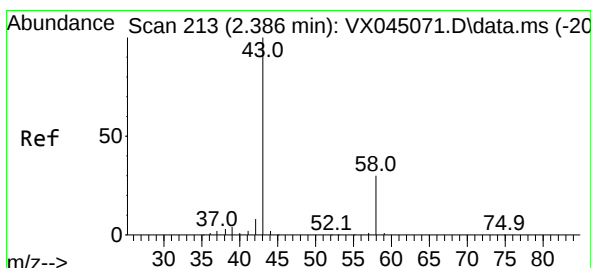
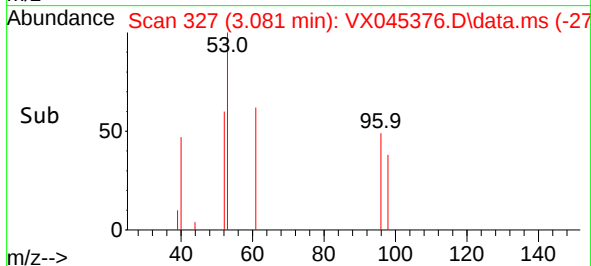
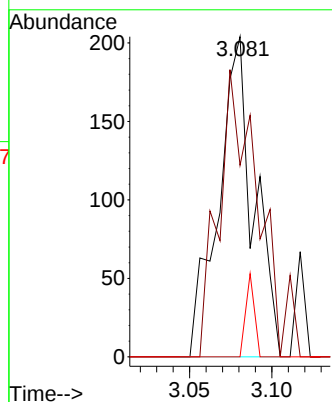
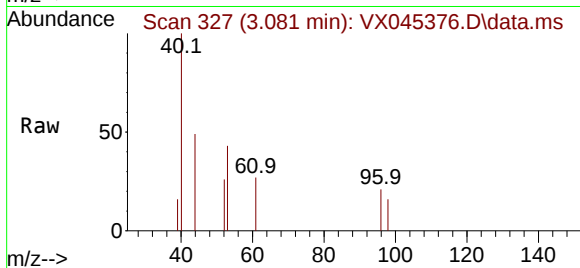
Tgt Ion: 53 Resp: 305

Ion Ratio Lower Upper

53 100

52 101.6 66.2 99.2#

51 6.2 29.0 43.4#



#16

Acetone

Concen: 1.174 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045376.D

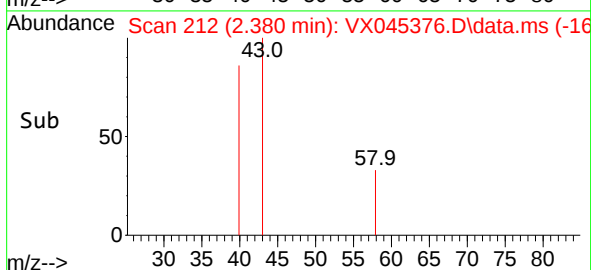
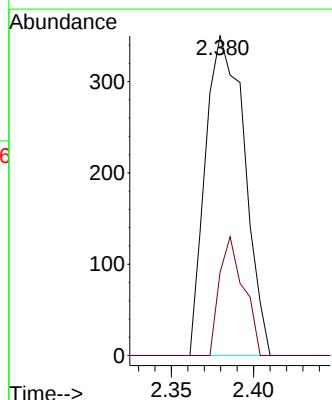
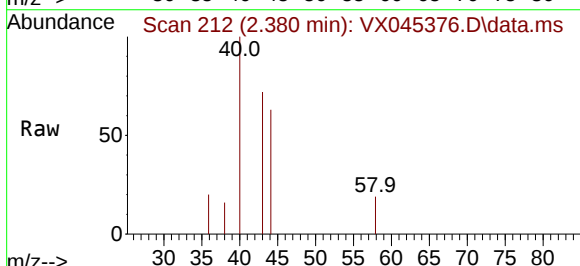
Acq: 21 Mar 2025 10:29

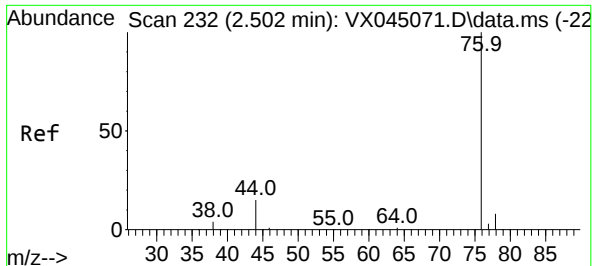
Tgt Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

58 26.0 24.2 36.4

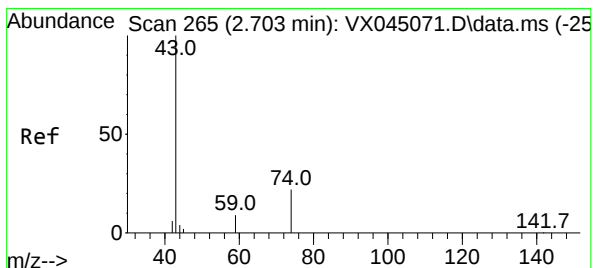
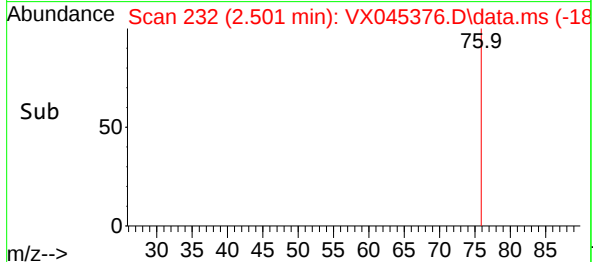
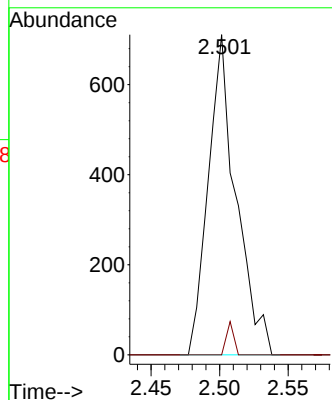
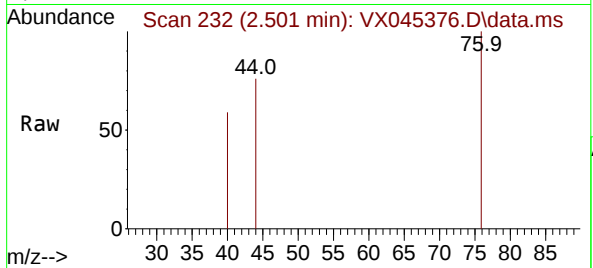




#17
Carbon Disulfide
Concen: 0.460 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

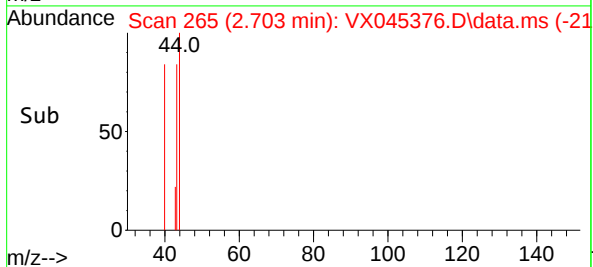
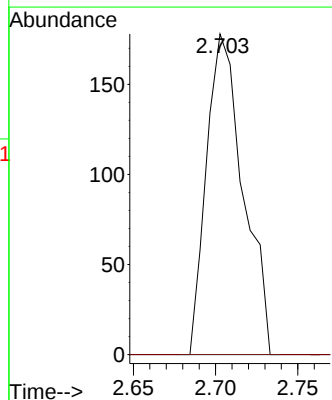
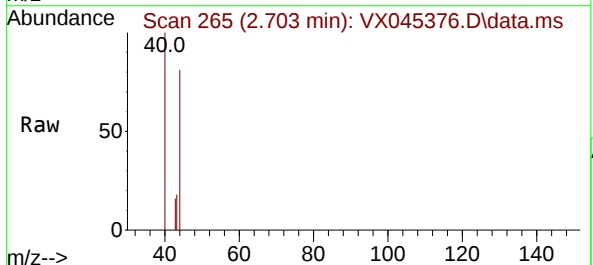
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

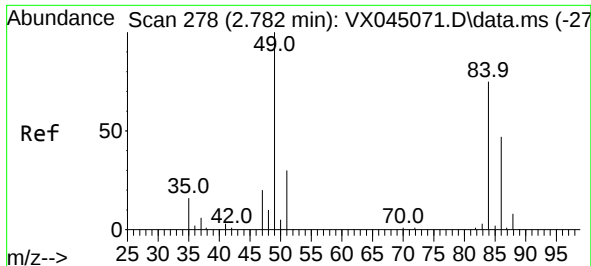
Tgt Ion: 76 Resp: 1003
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

Tgt Ion: 43 Resp: 277
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

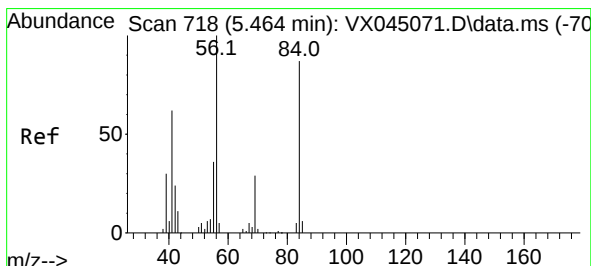
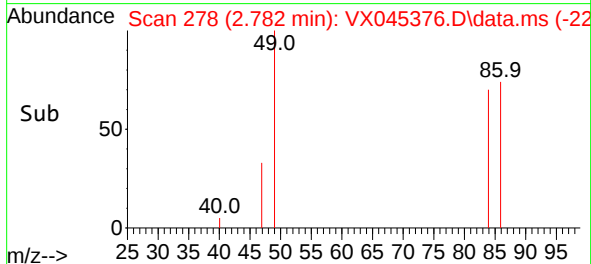
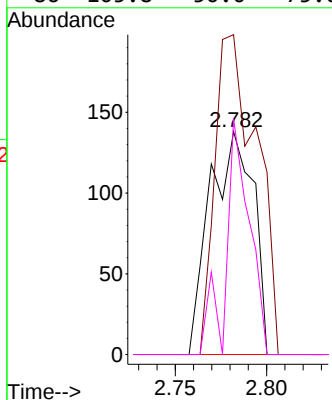
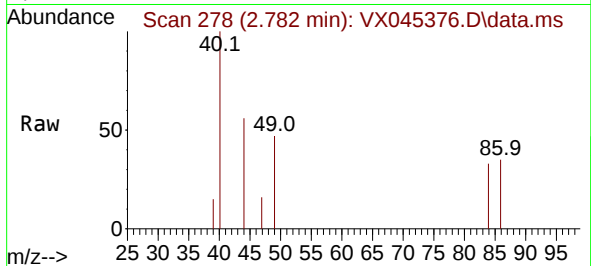




#20
Methylene Chloride
Concen: 0.235 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

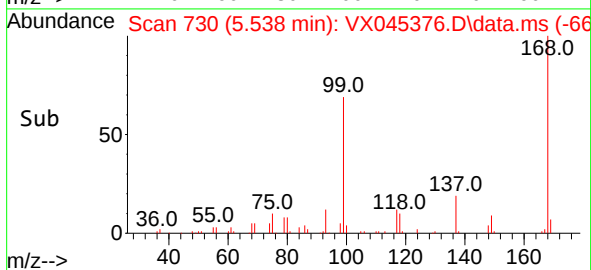
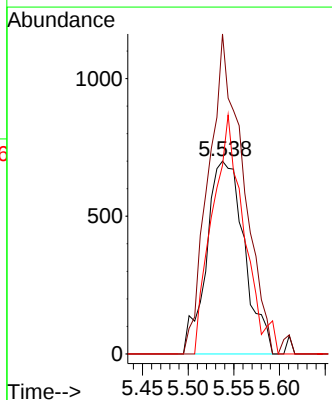
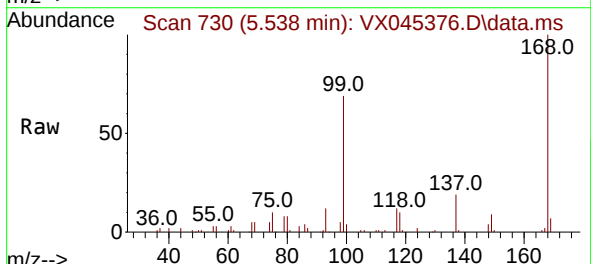
Instrument :
MSVOA_X
ClientSampleId :
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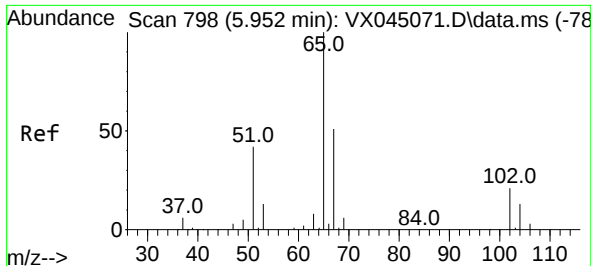
Tgt Ion:	84	Resp:	229
Ion	Ratio	Lower	Upper
84	100		
49	143.5	106.5	159.7
51	0.0	32.1	48.1#
86	105.8	50.0	75.0#



#31
Cyclohexane
Concen: 1.391 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

Tgt Ion:	56	Resp:	2008
Ion	Ratio	Lower	Upper
56	100		
69	166.0	23.4	35.2#
84	97.9	69.4	104.2

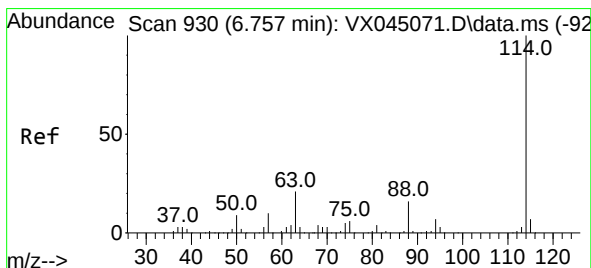
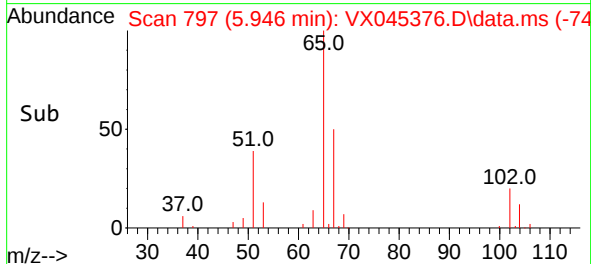
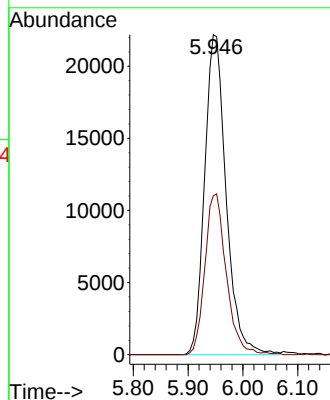
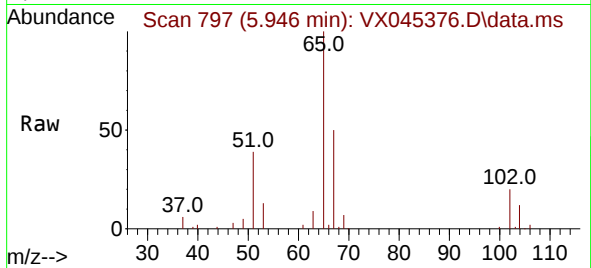




#33
 1,2-Dichloroethane-d4
 Concen: 56.757 ug/l
 RT: 5.946 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX045376.D
 Acq: 21 Mar 2025 10:29

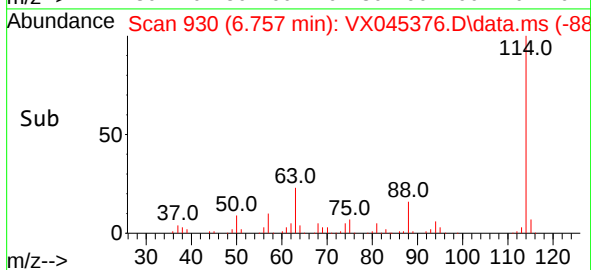
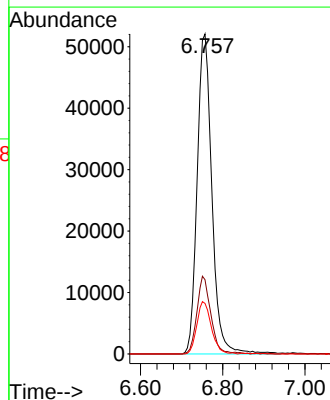
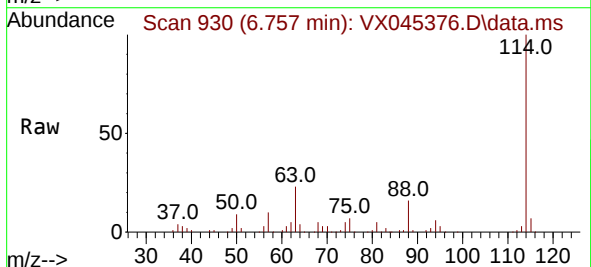
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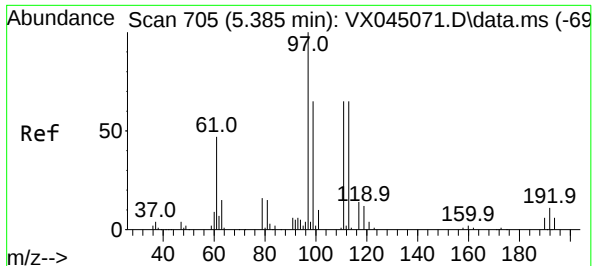
Tgt Ion: 65 Resp: 60210
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045376.D
 Acq: 21 Mar 2025 10:29

Tgt Ion: 114 Resp: 129481
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 41.8
 88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.303 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

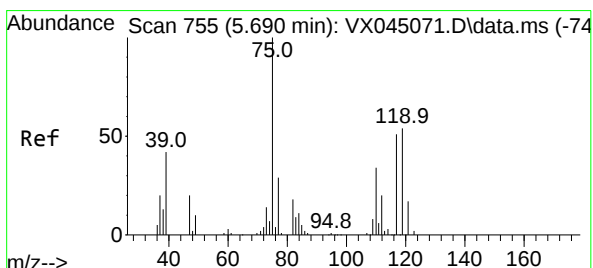
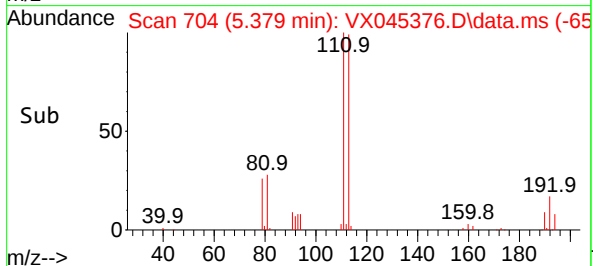
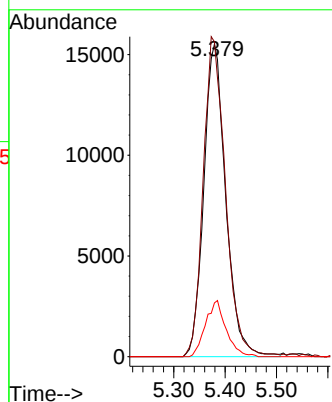
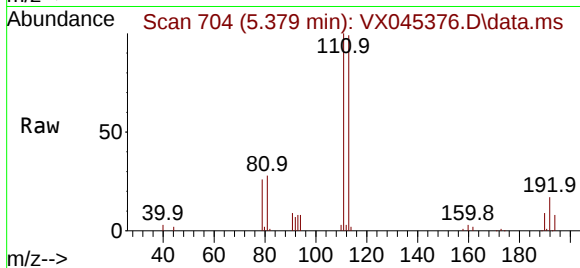
Tgt Ion:113 Resp: 46150

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

192 16.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.162 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.153 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

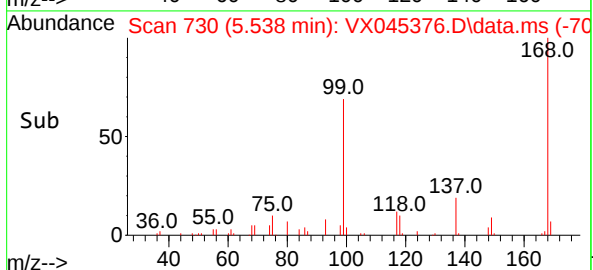
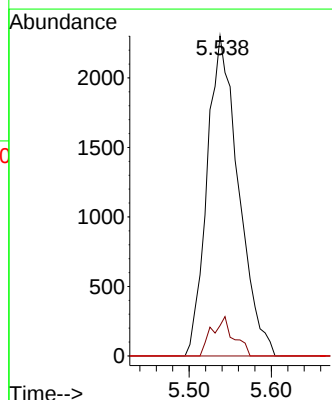
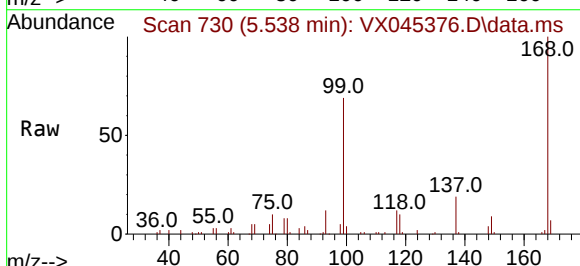
Tgt Ion: 75 Resp: 6129

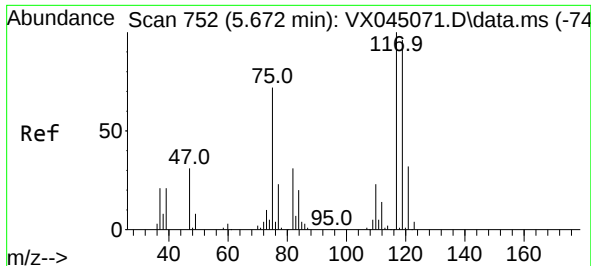
Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

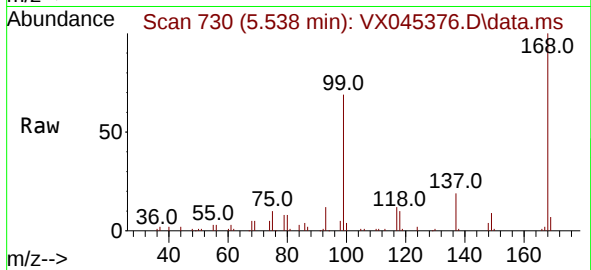
77 0.0 24.5 36.7#



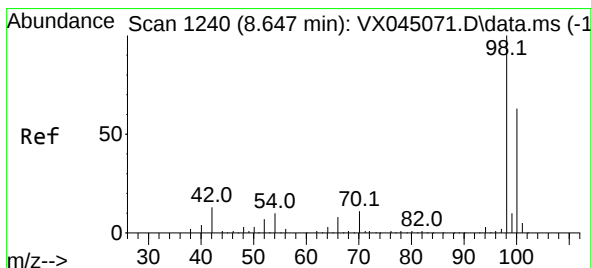
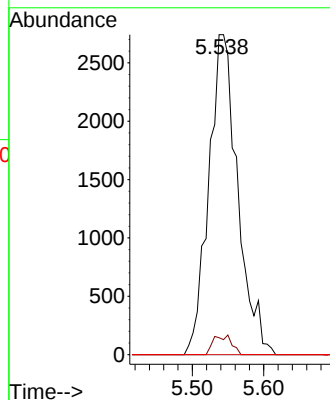
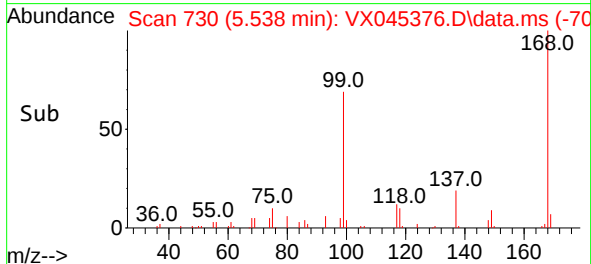


#38
Carbon Tetrachloride
Concen: 6.393 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

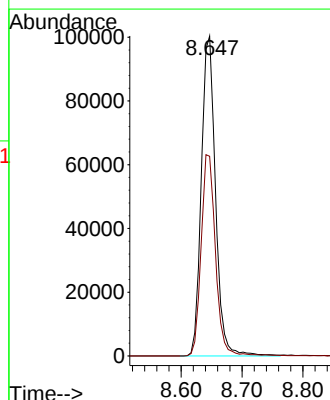
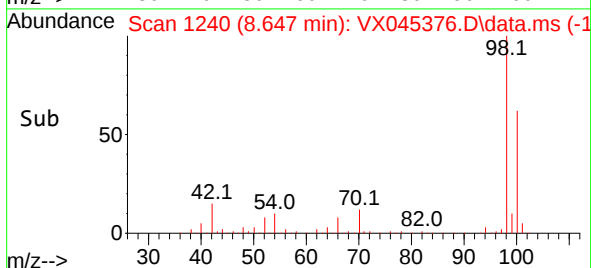
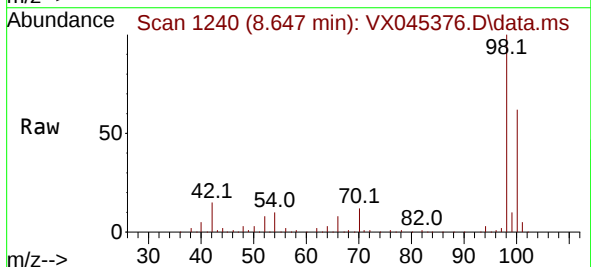


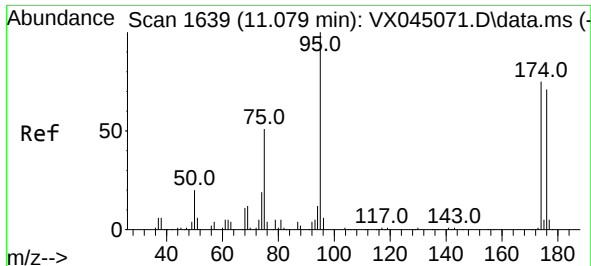
Tgt Ion:117 Resp: 7707
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 51.781 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

Tgt Ion: 98 Resp: 162533
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 51.561 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

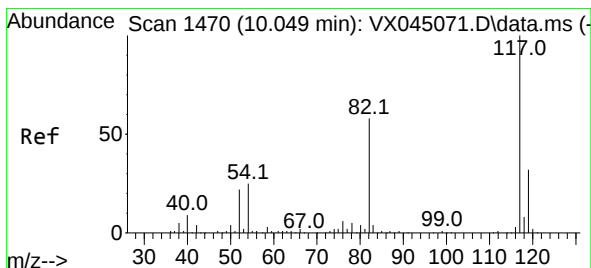
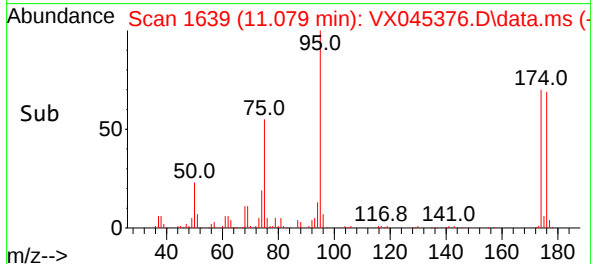
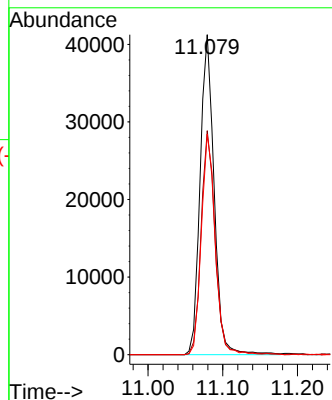
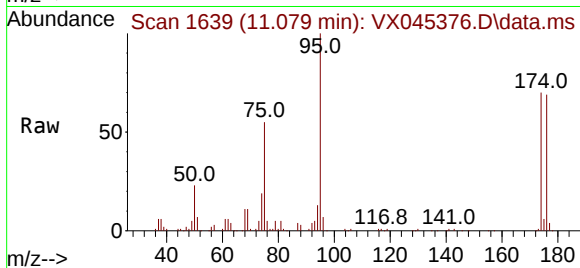
Tgt Ion: 95 Resp: 53630

Ion Ratio Lower Upper

95 100

174 69.9 0.0 148.2

176 68.3 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

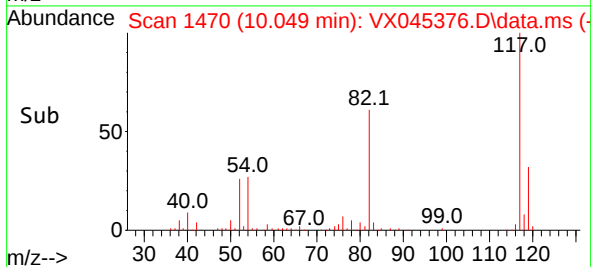
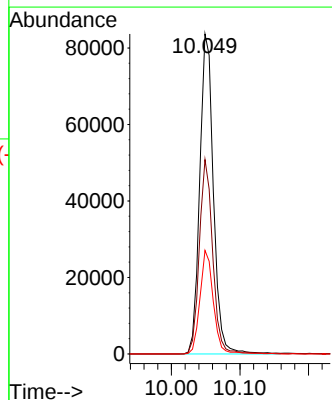
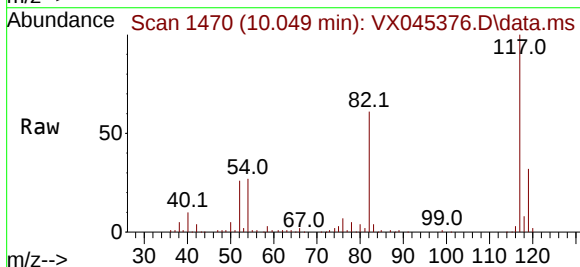
Tgt Ion: 117 Resp: 116452

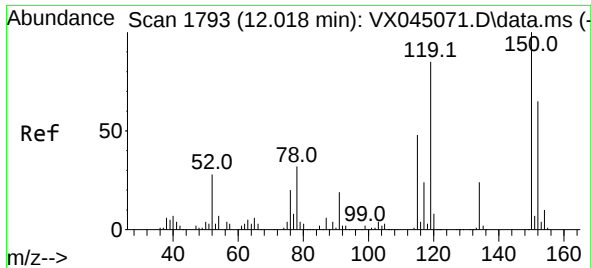
Ion Ratio Lower Upper

117 100

82 60.8 46.3 69.5

119 32.3 25.7 38.5

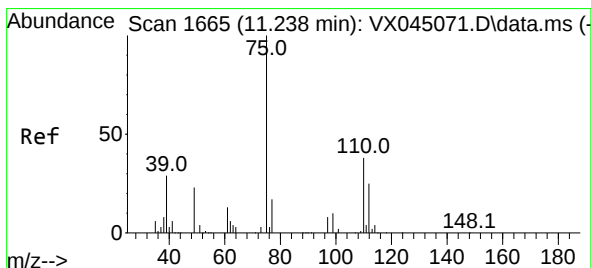
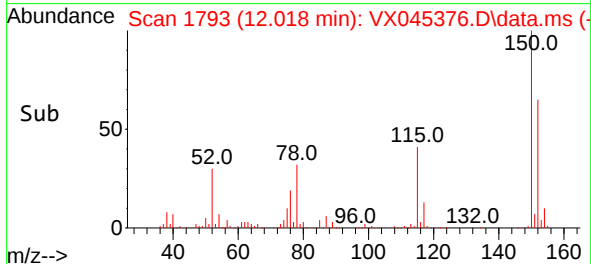
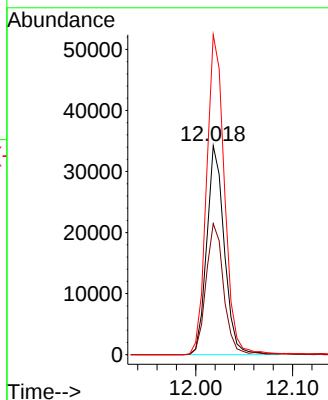
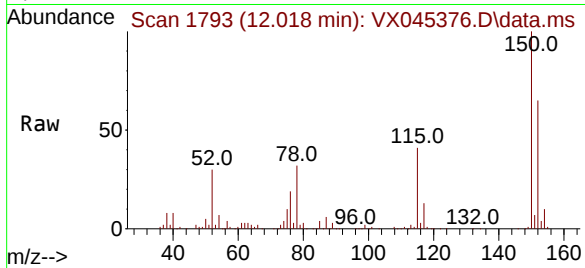




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045376.D
 Acq: 21 Mar 2025 10:29

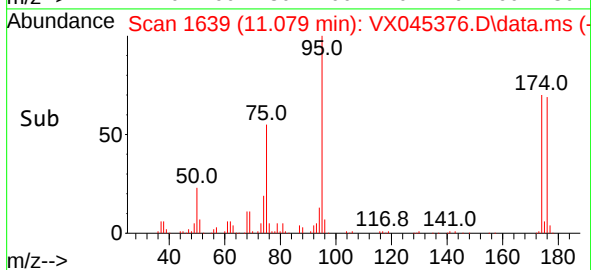
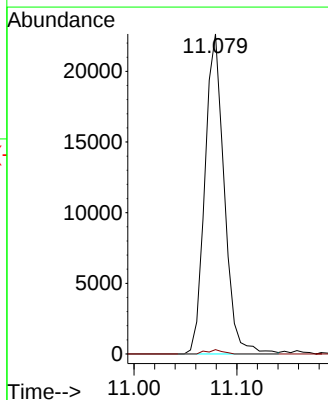
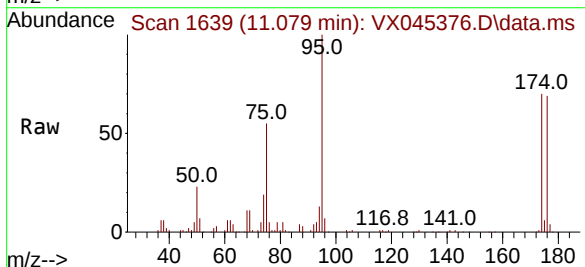
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321MBL01

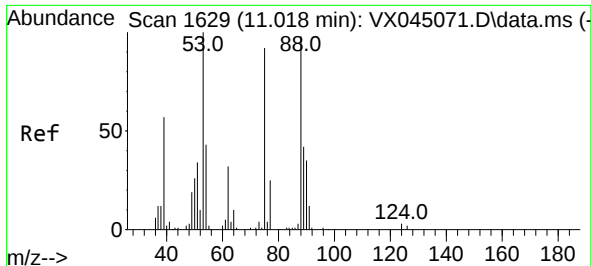
Tgt Ion:152 Resp: 43128
 Ion Ratio Lower Upper
 152 100
 115 64.0 44.2 132.6
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.523 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045376.D
 Acq: 21 Mar 2025 10:29

Tgt Ion: 75 Resp: 29635
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.7 62.1#

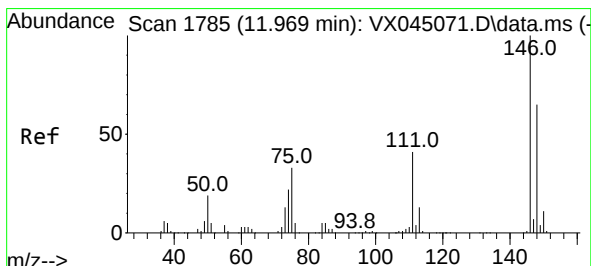
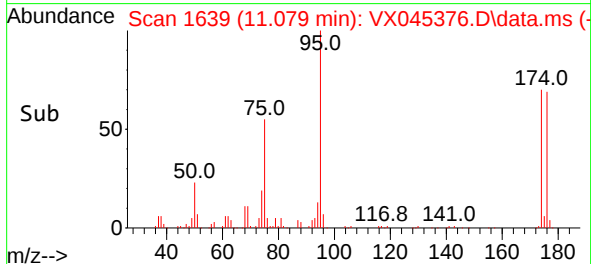
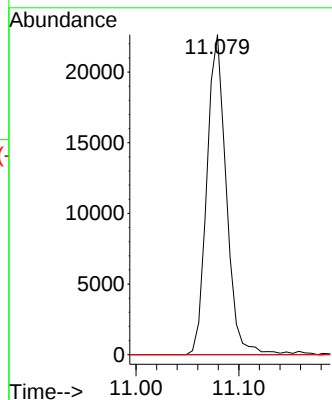
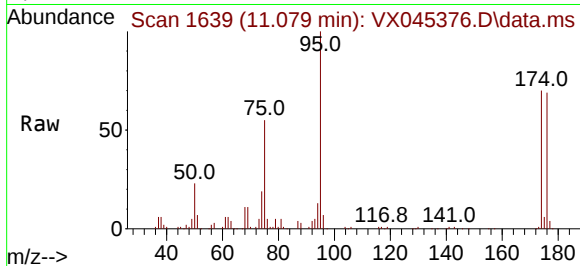




#81
trans-1,4-Dichloro-2-butene
Concen: 101.032 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

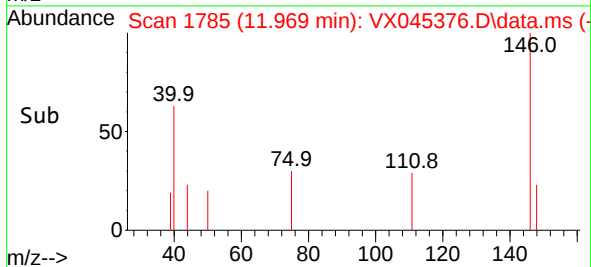
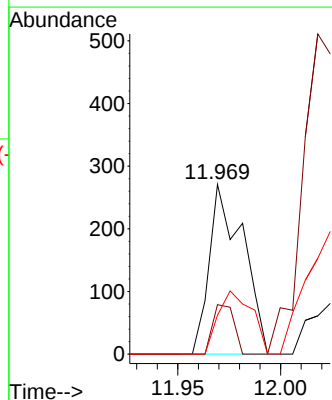
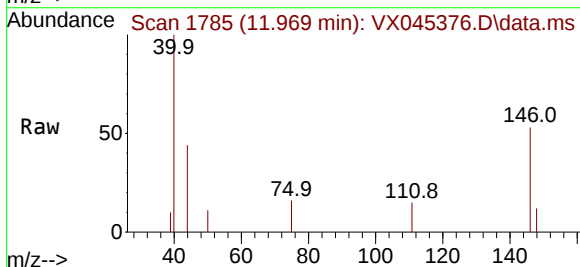
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

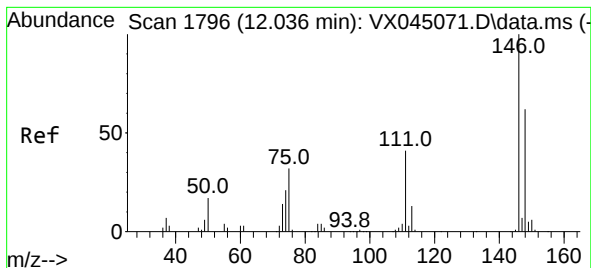
Tgt Ion: 75 Resp: 29635
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#87
1,3-Dichlorobenzene
Concen: 0.218 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045376.D
Acq: 21 Mar 2025 10:29

Tgt Ion:146 Resp: 309
Ion Ratio Lower Upper
146 100
111 18.1 21.1 63.4#
148 37.2 31.9 95.7





#88

1,4-Dichlorobenzene

Concen: 0.287 ug/l

RT: 12.036 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

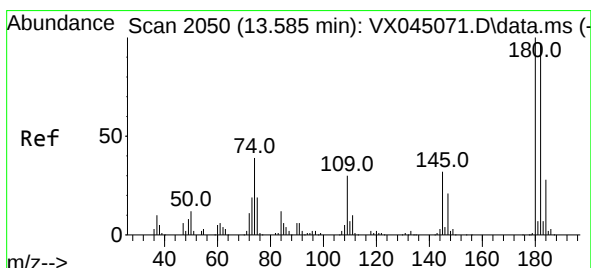
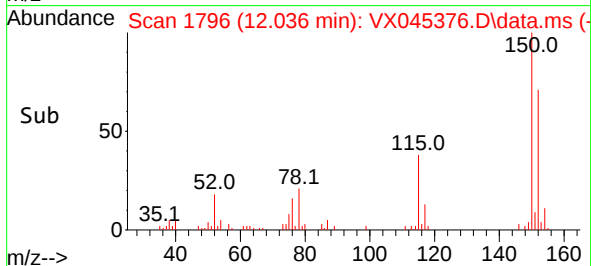
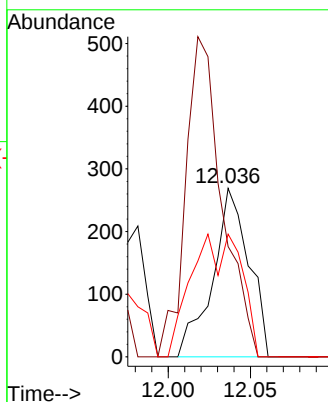
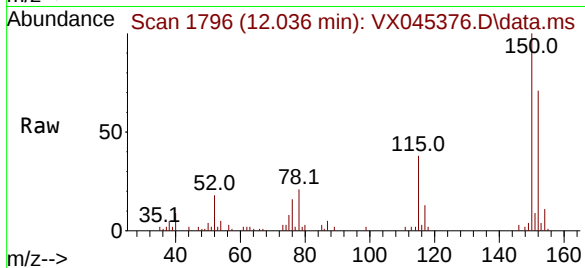
Tgt Ion:146 Resp: 411

Ion Ratio Lower Upper

146 100

111 191.0 20.2 60.5#

148 59.1 31.9 95.9



#93

1,2,4-Trichlorobenzene

Concen: 0.352 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

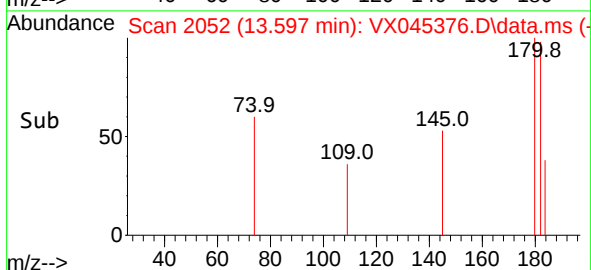
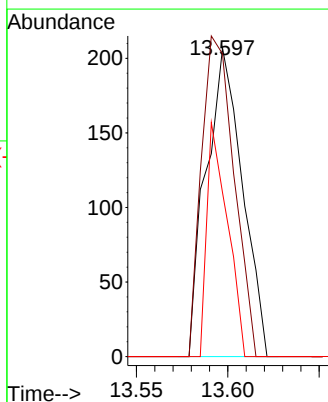
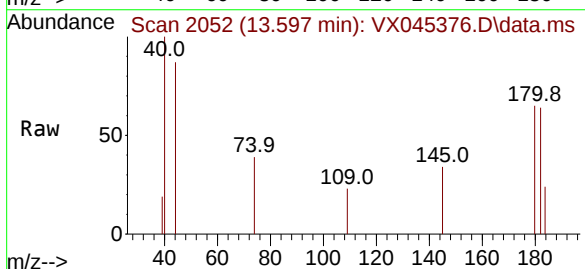
Tgt Ion:180 Resp: 285

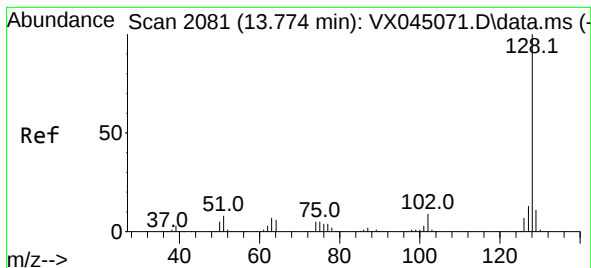
Ion Ratio Lower Upper

180 100

182 93.3 47.3 141.9

145 42.8 16.3 48.9





#95

Naphthalene

Concen: 0.741 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

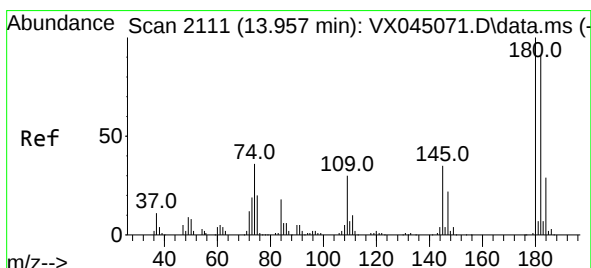
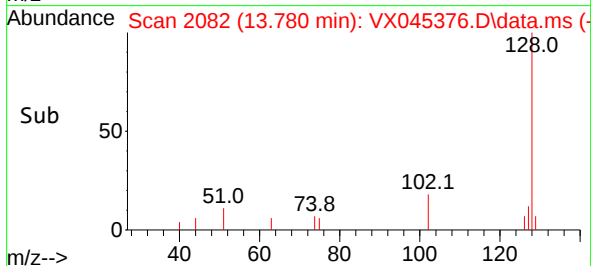
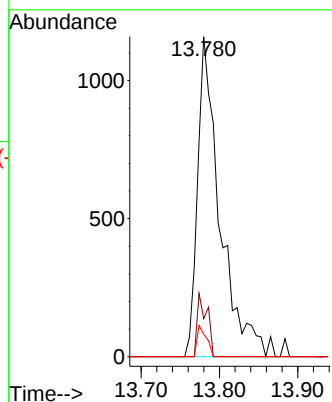
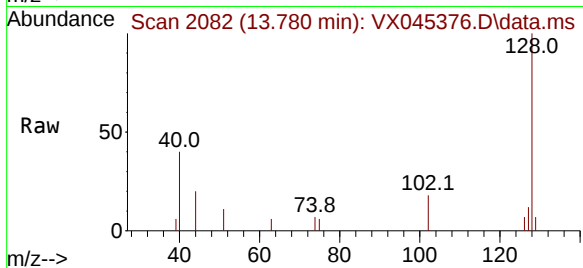
Tgt Ion:128 Resp: 2304

Ion Ratio Lower Upper

128 100

127 8.7 10.3 15.5#

129 4.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.495 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX045376.D

Acq: 21 Mar 2025 10:29

Tgt Ion:180 Resp: 423

Ion Ratio Lower Upper

180 100

182 101.2 47.5 142.6

145 24.3 17.0 50.9

