

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046697.D
 Acq On : 13 Jun 2025 18:07
 Operator : JC/MD
 Sample : Q2297-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

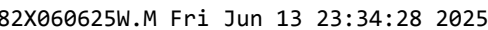
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Jun 13 23:34:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	89762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	166230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	78825	49.359	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.720%
35) Dibromofluoromethane	5.403	113	58710	48.027	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.060%
50) Toluene-d8	8.653	98	208464	51.725	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.440%
62) 4-Bromofluorobenzene	11.079	95	78986	47.368	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.740%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.154	74	479	0.725	ug/l #	42
10) Methyl Iodide	2.471	142	288	0.225	ug/l #	82
11) Tert butyl alcohol	2.983	59	91	0.514	ug/l #	72
16) Acetone	2.392	43	18423	33.432	ug/l	96
17) Carbon Disulfide	2.526	76	454	0.402	ug/l #	76
18) Methyl Acetate	2.721	43	11483	6.037	ug/l	98
20) Methylene Chloride	2.806	84	4132	3.225	ug/l	82
25) 2-Butanone	4.605	43	936	1.053	ug/l	93
31) Cyclohexane	5.568	56	2121	1.142	ug/l #	32
36) 1,1-Dichloropropene	5.562	75	8256	4.728	ug/l #	52
37) Ethyl Acetate	4.751	43	5943	3.487	ug/l #	91
38) Carbon Tetrachloride	5.568	117	10177	5.203	ug/l #	16
43) Isopropyl Acetate	6.361	43	4848	1.632	ug/l	97
48) Methyl methacrylate	7.799	41	46254	30.258	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	59633	31.585	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	25919	13.247	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	1752	0.818	ug/l #	42
59) 2-Hexanone	9.482	43	27350	20.198	ug/l #	56
74) N-amyl acetate	10.878	43	710	0.282	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	41917	27.180	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	41917	78.405	ug/l #	1

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

Quant Time: Jun 13 23:34:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

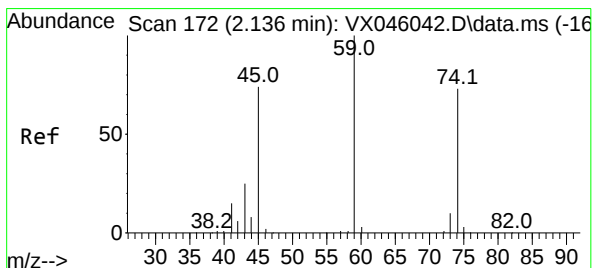
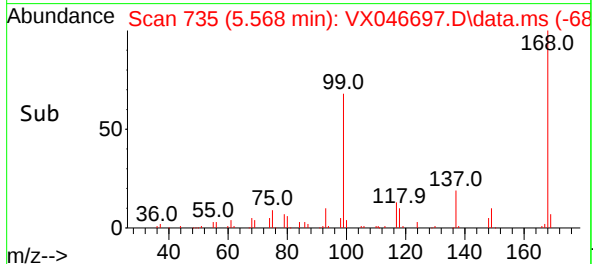
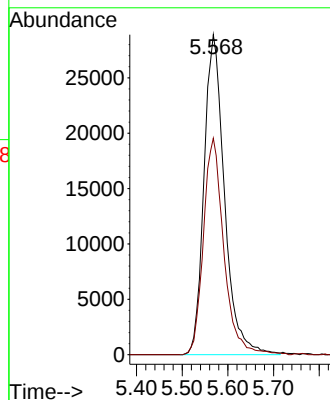
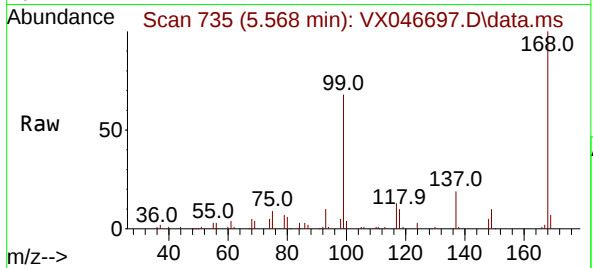




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

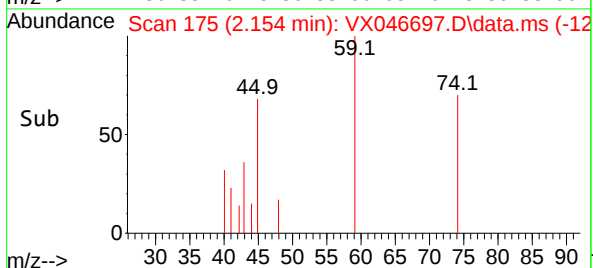
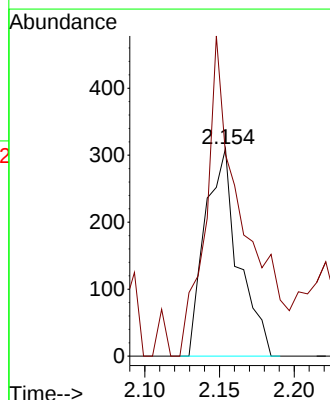
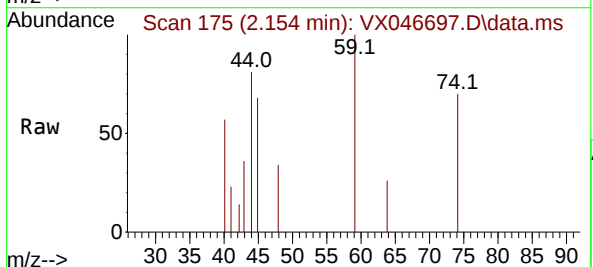
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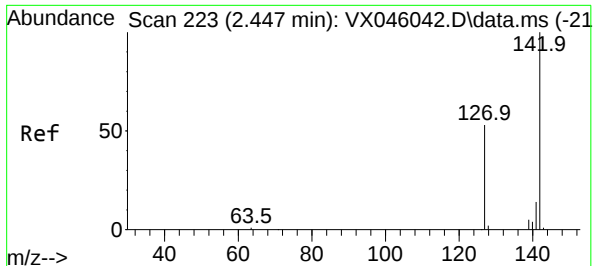
Tgt Ion:168 Resp: 89762
Ion Ratio Lower Upper
168 100
99 67.6 54.9 82.3



#8
Diethyl Ether
Concen: 0.725 ug/l
RT: 2.154 min Scan# 175
Delta R.T. 0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion: 74 Resp: 479
Ion Ratio Lower Upper
74 100
45 171.4 54.9 164.8#

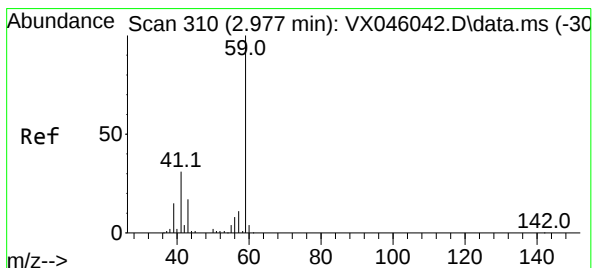
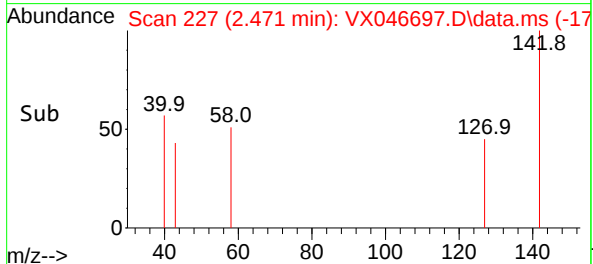
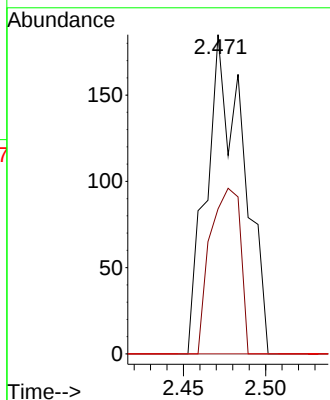
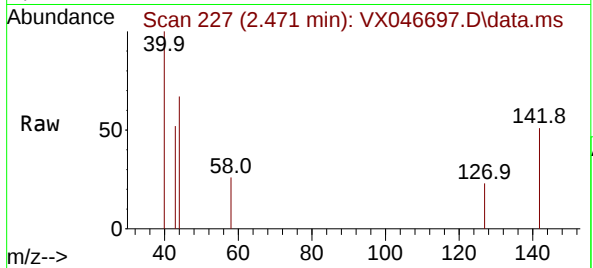




#10
Methyl Iodide
Concen: 0.225 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

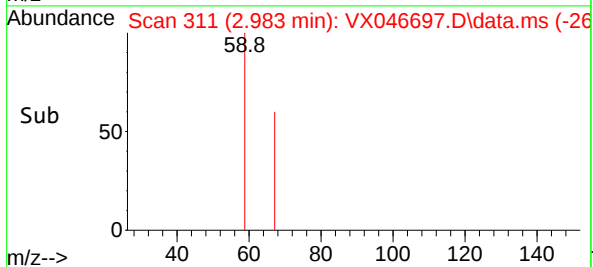
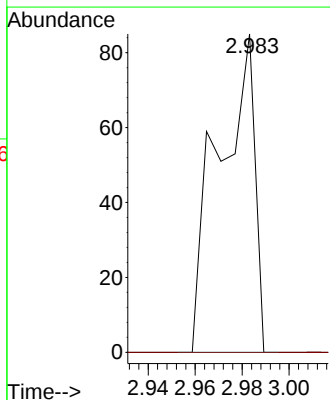
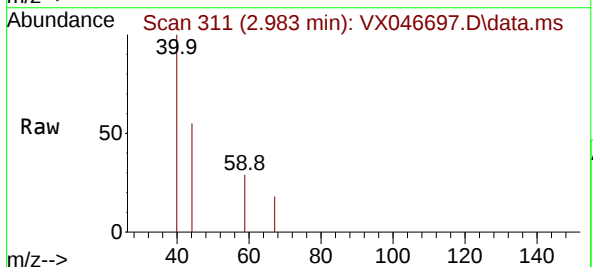
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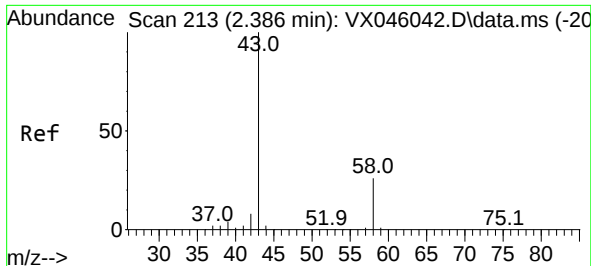
Tgt Ion:142 Resp: 288
Ion Ratio Lower Upper
142 100
127 42.7 41.7 62.5
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.514 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

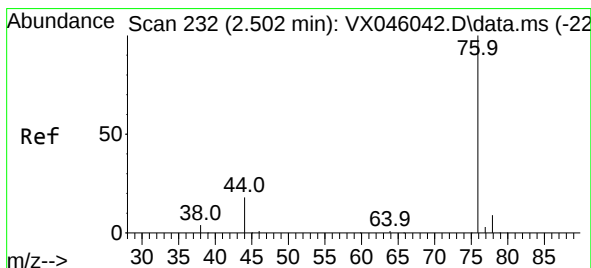
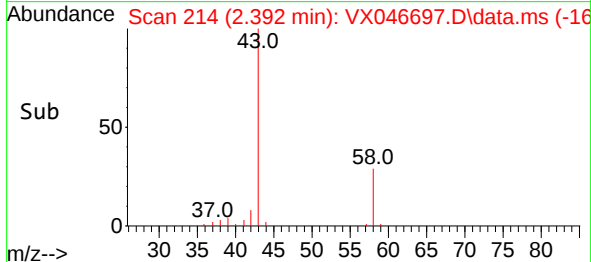
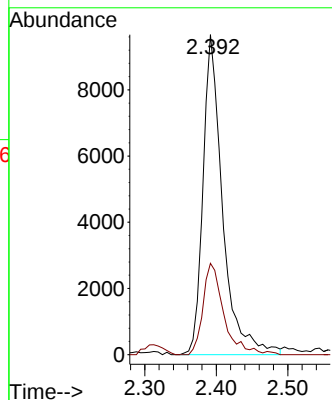
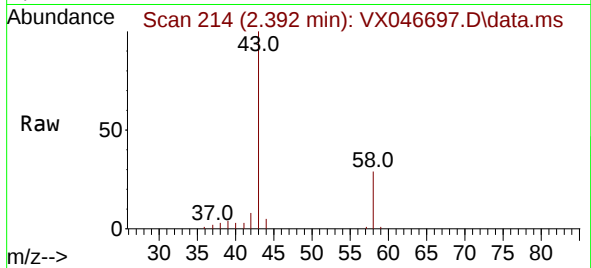




#16
Acetone
Concen: 33.432 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

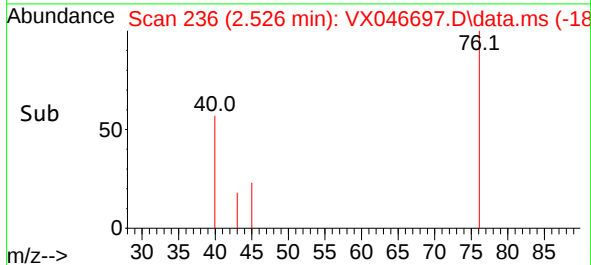
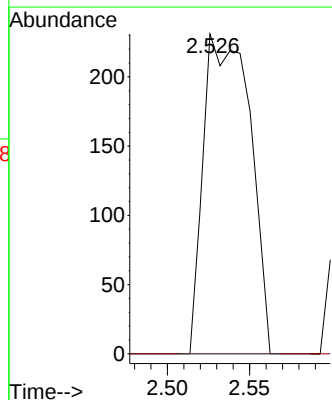
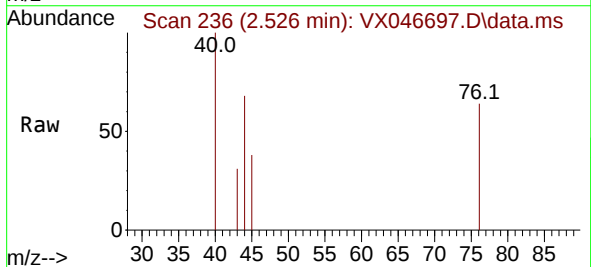
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MSVOA_X
ClientSampleId :
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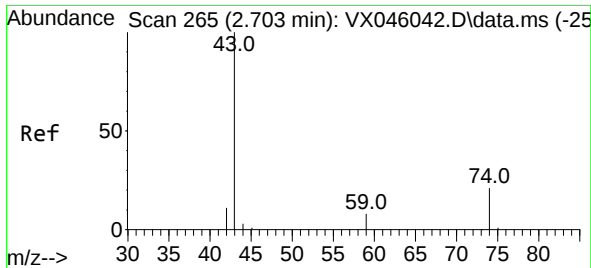
Tgt Ion: 43 Resp: 18423
Ion Ratio Lower Upper
43 100
58 28.6 21.2 31.8



#17
Carbon Disulfide
Concen: 0.402 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion: 76 Resp: 454
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

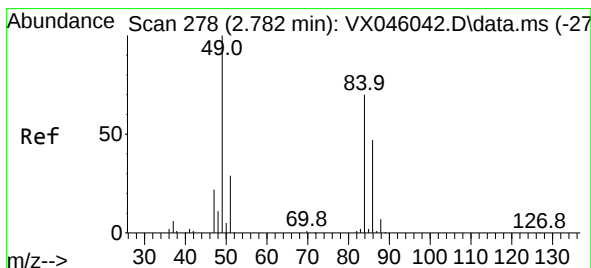
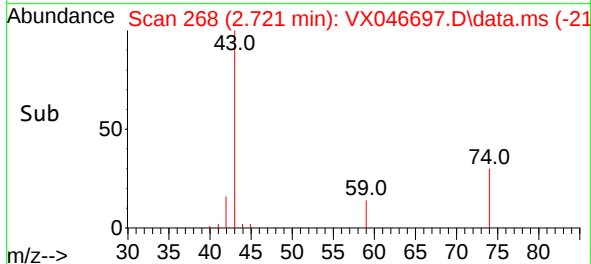
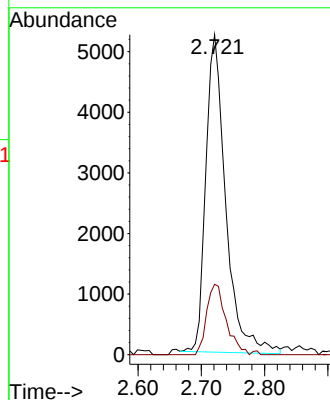
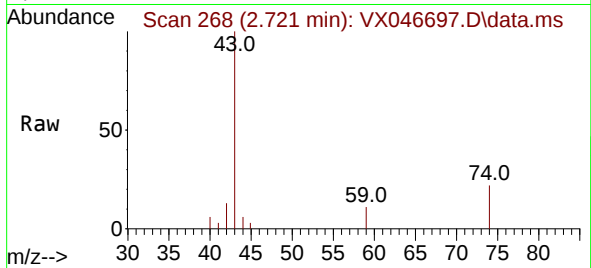




#18
Methyl Acetate
Concen: 6.037 ug/l
RT: 2.721 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

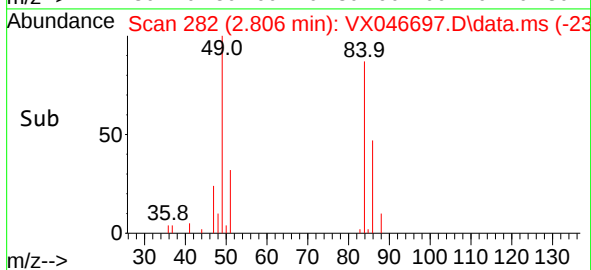
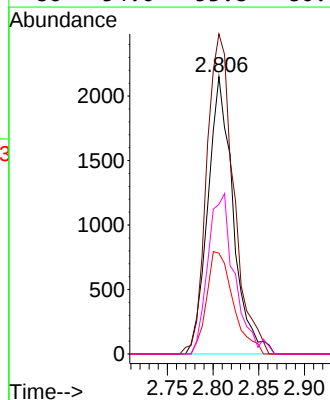
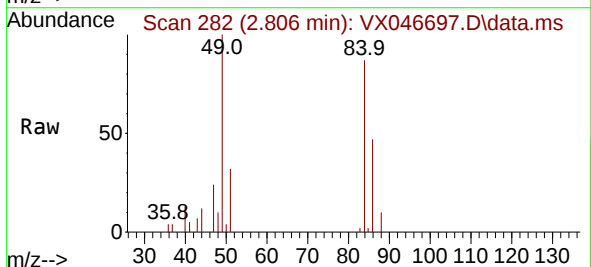
Instrument :
MSVOA_X
ClientSampleId :
TP-3

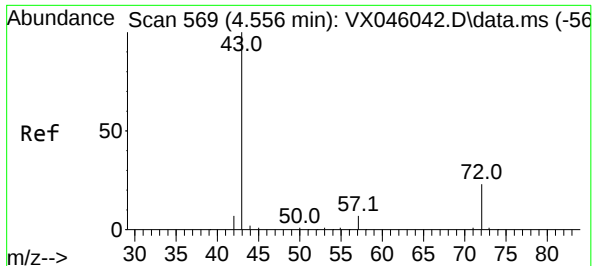
Tgt Ion: 43 Resp: 11483
Ion Ratio Lower Upper
43 100
74 21.6 16.7 25.1



#20
Methylene Chloride
Concen: 3.225 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion: 84 Resp: 4132
Ion Ratio Lower Upper
84 100
49 115.4 113.9 170.9
51 36.4 33.5 50.3
86 54.0 53.8 80.8





#25

2-Butanone

Concen: 1.053 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX046697.D

Acq: 13 Jun 2025 18:07

Instrument :

MSVOA_X

ClientSampleId :

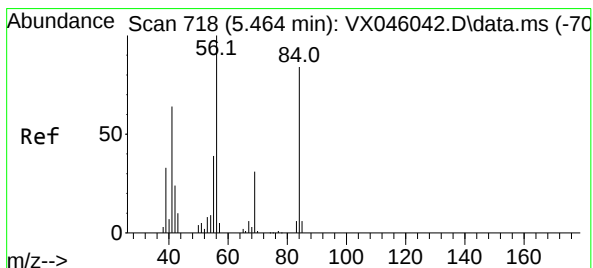
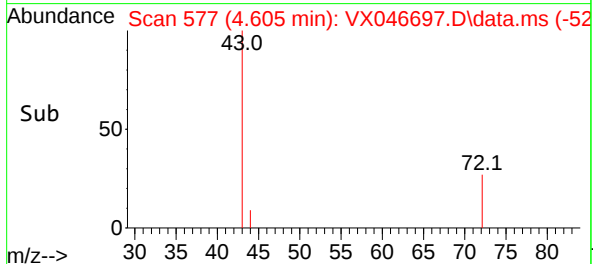
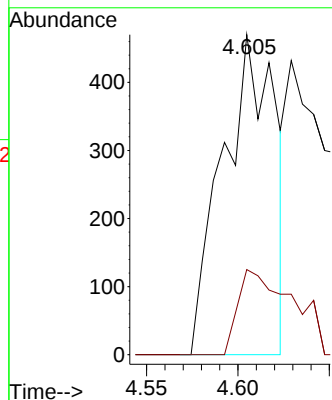
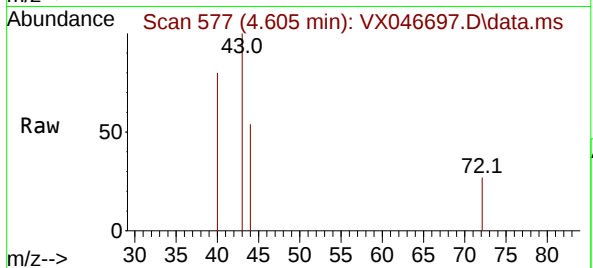
TP-3

Tgt Ion: 43 Resp: 936

Ion Ratio Lower Upper

43 100

72 26.6 18.4 27.6



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046697.D

Acq: 13 Jun 2025 18:07

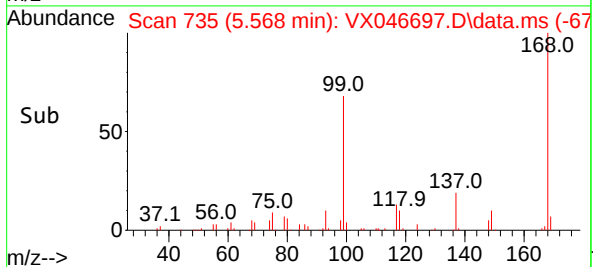
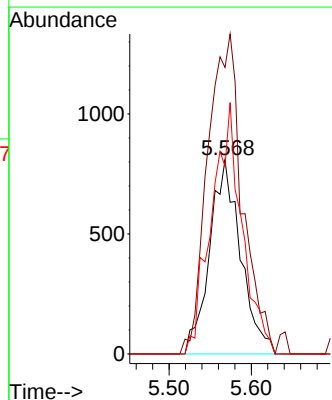
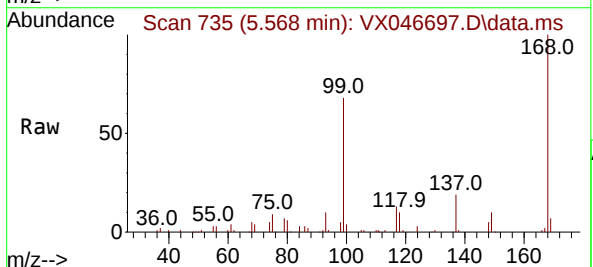
Tgt Ion: 56 Resp: 2121

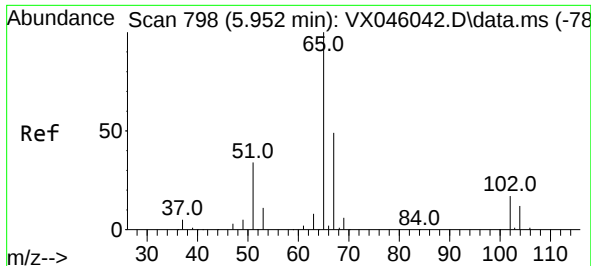
Ion Ratio Lower Upper

56 100

69 147.6 24.4 36.6#

84 96.7 66.9 100.3

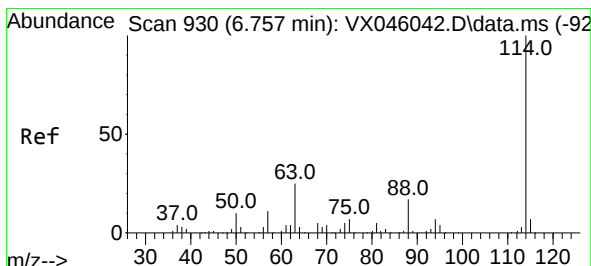
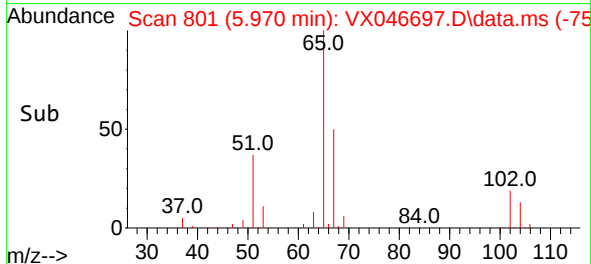
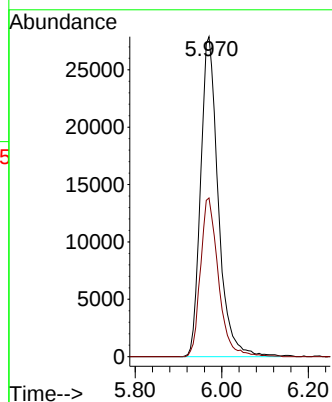
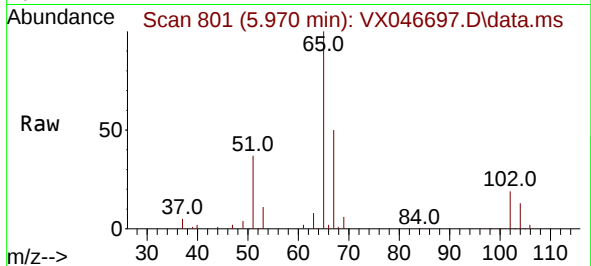




#33
 1,2-Dichloroethane-d4
 Concen: 49.359 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VX046697.D
 Acq: 13 Jun 2025 18:07

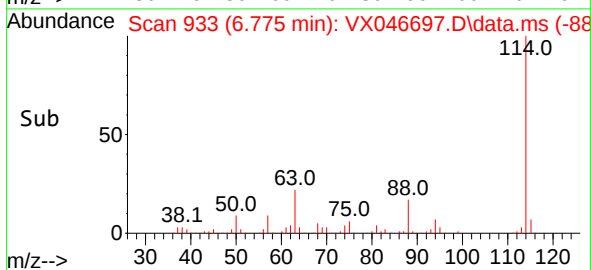
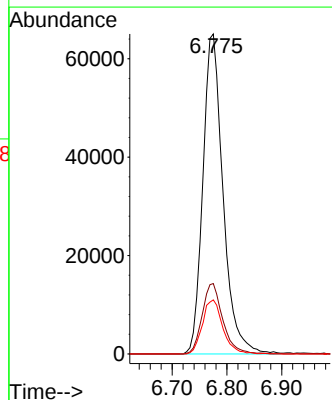
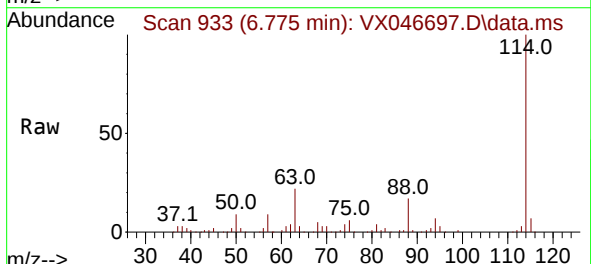
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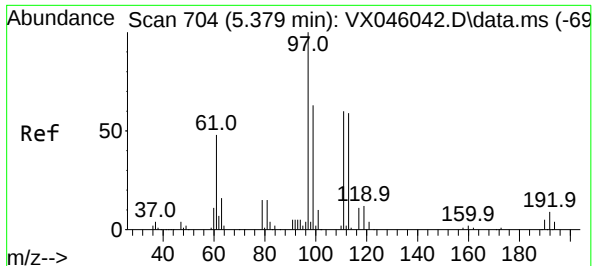
Tgt Ion: 65 Resp: 78825
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.000 min
 Lab File: VX046697.D
 Acq: 13 Jun 2025 18:07

Tgt Ion: 114 Resp: 166230
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 49.2
 88 16.9 0.0 33.6

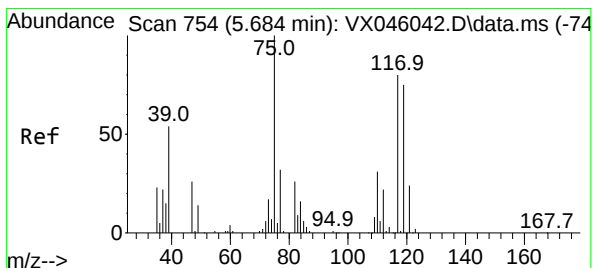
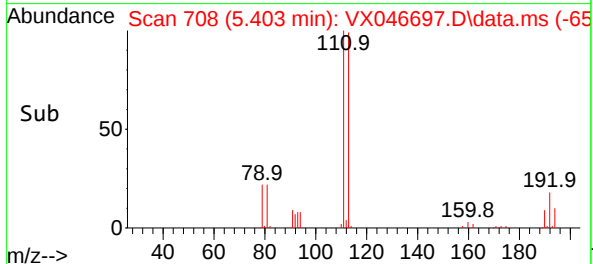
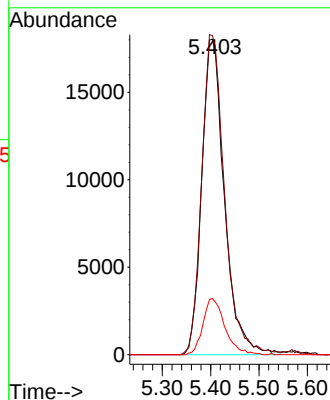
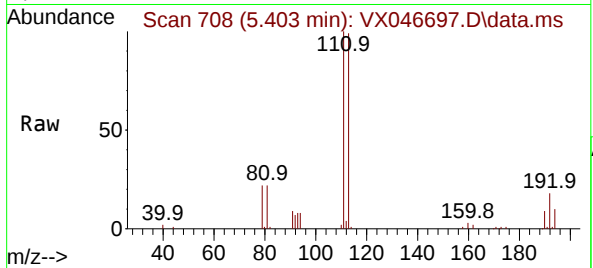




#35
Dibromofluoromethane
Concen: 48.027 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

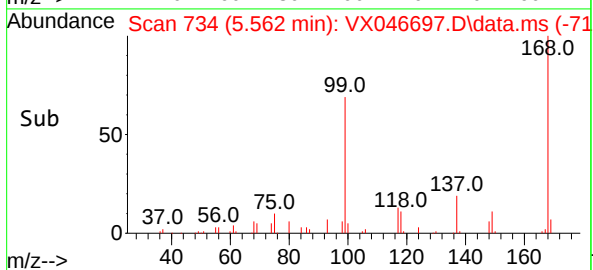
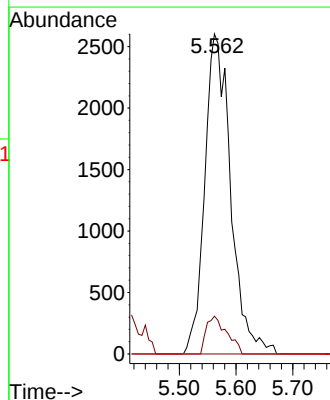
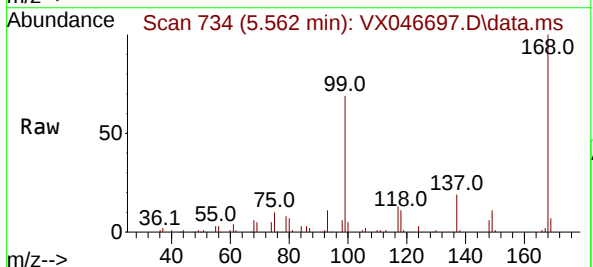
Instrument :
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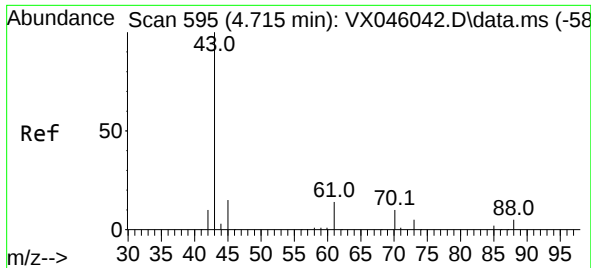
Tgt Ion:113 Resp: 58710
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.728 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion: 75 Resp: 8256
Ion Ratio Lower Upper
75 100
110 9.3 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 3.487 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.018 min

Lab File: VX046697.D

Acq: 13 Jun 2025 18:07

Instrument :

MSVOA_X

ClientSampleId :

TP-3

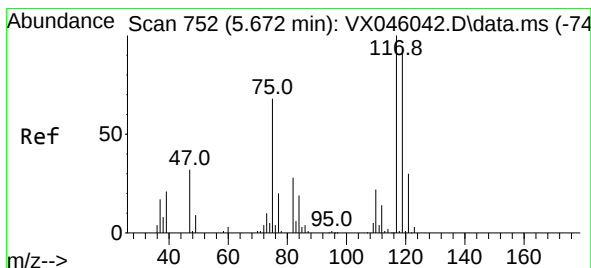
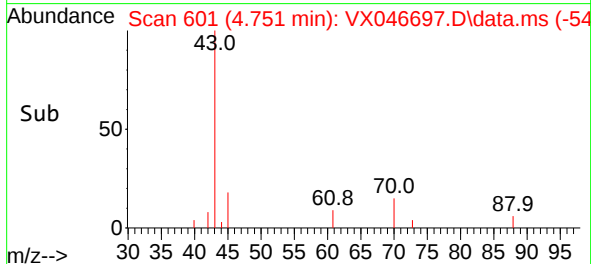
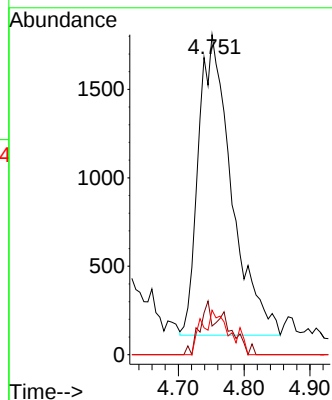
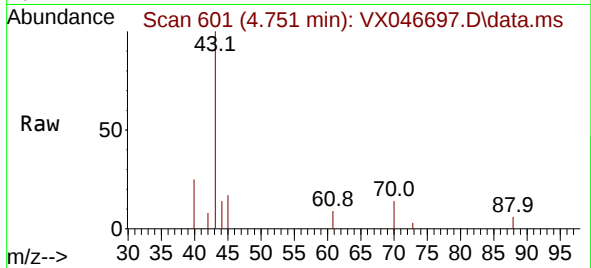
Tgt Ion: 43 Resp: 5943

Ion Ratio Lower Upper

43 100

61 7.5 10.3 15.5#

70 10.9 7.9 11.9



#38

Carbon Tetrachloride

Concen: 5.203 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.128 min

Lab File: VX046697.D

Acq: 13 Jun 2025 18:07

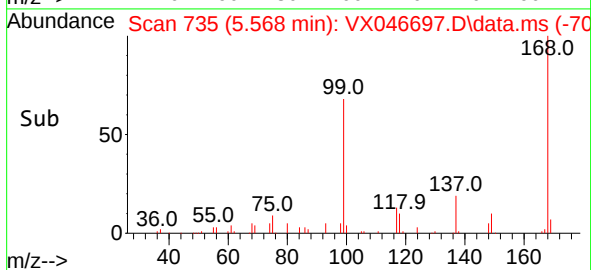
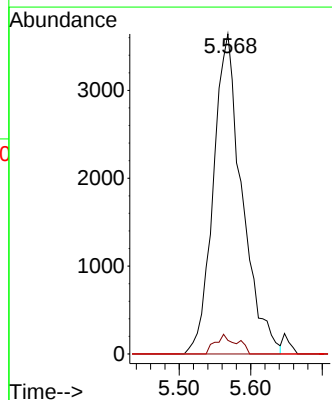
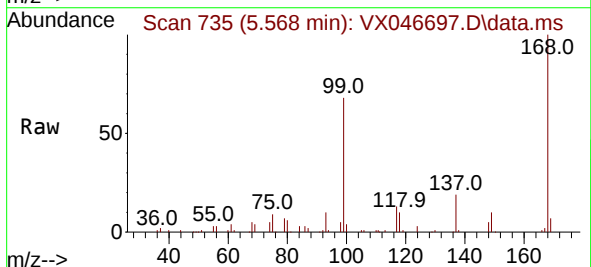
Tgt Ion: 117 Resp: 10177

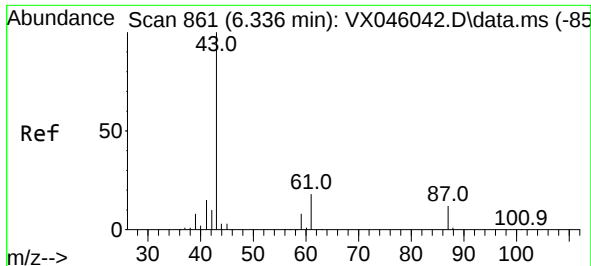
Ion Ratio Lower Upper

117 100

119 4.3 75.2 112.8#

121 0.0 24.2 36.4#

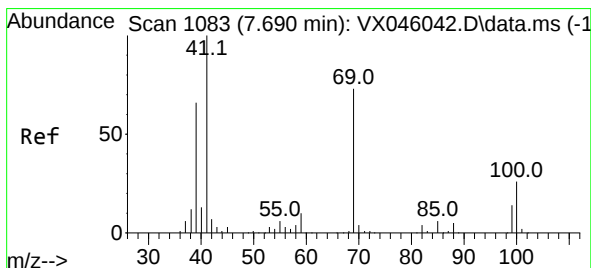
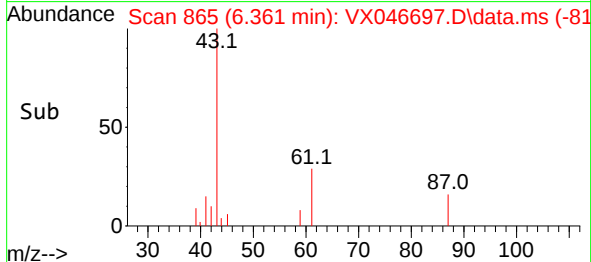
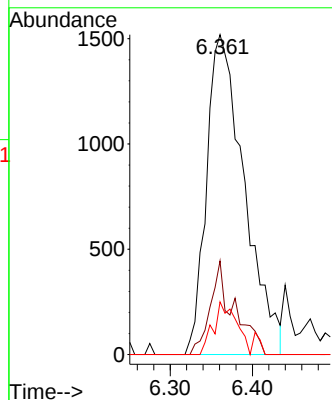
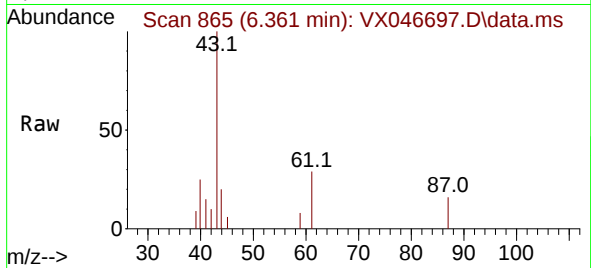




#43
Isopropyl Acetate
Concen: 1.632 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

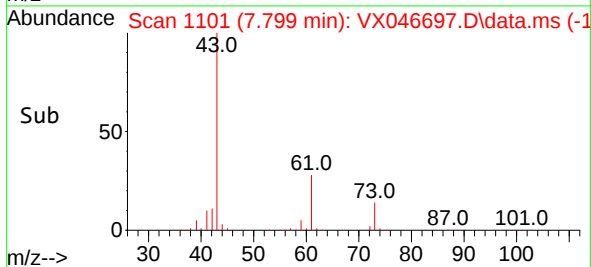
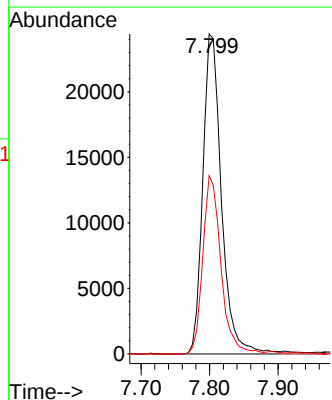
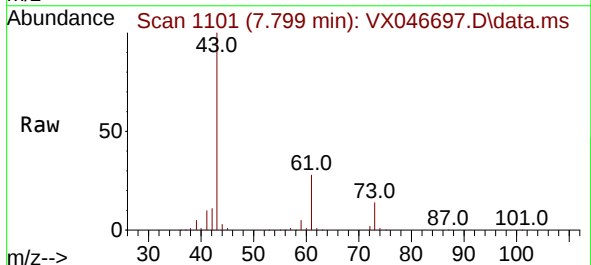
Instrument :
MSVOA_X
ClientSampleId :
TP-3

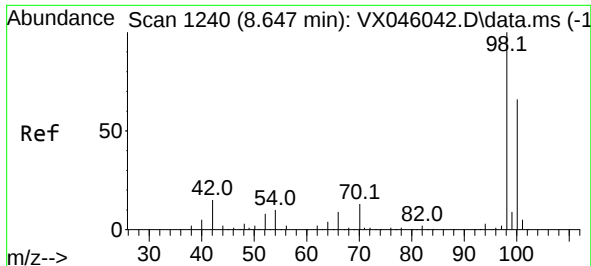
Tgt Ion: 43 Resp: 4848
Ion Ratio Lower Upper
43 100
61 18.7 14.3 21.5
87 10.1 9.5 14.3



#48
Methyl methacrylate
Concen: 30.258 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion: 41 Resp: 46254
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.2 51.7 77.5

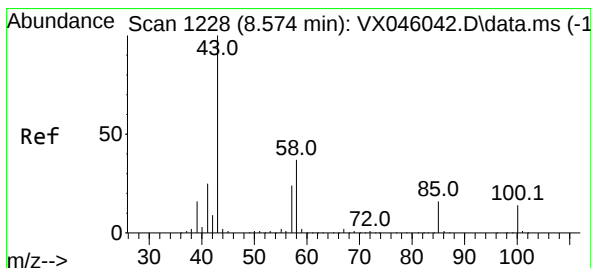
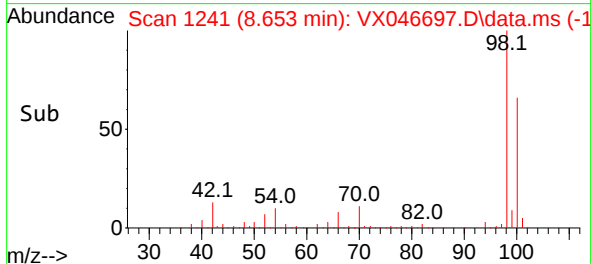
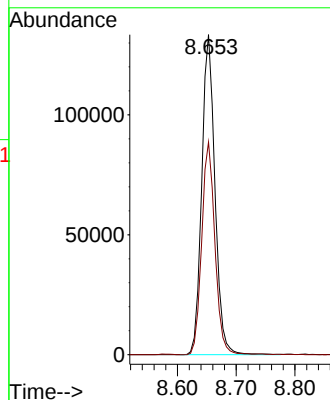
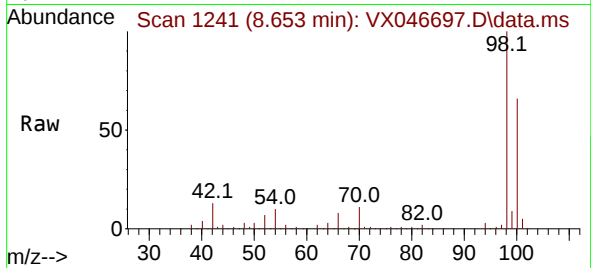




#50
Toluene-d8
Concen: 51.725 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

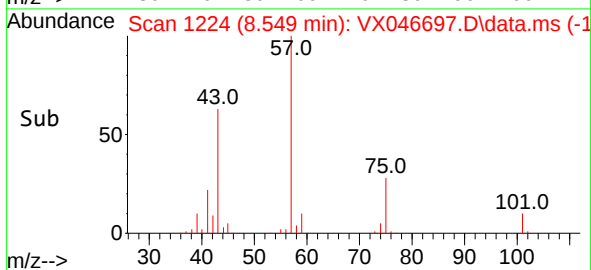
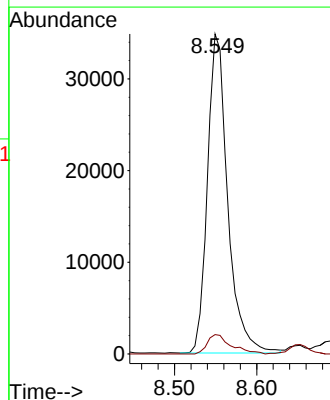
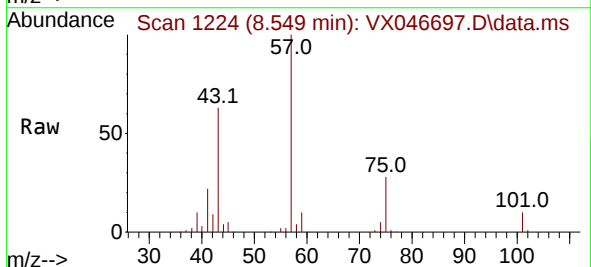
Instrument :
MSVOA_X
ClientSampleId :
TP-3

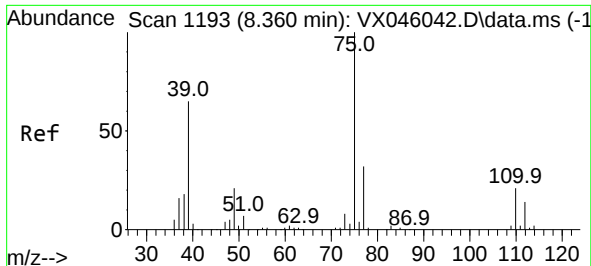
Tgt Ion: 98 Resp: 208464
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 31.585 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion: 43 Resp: 59633
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#

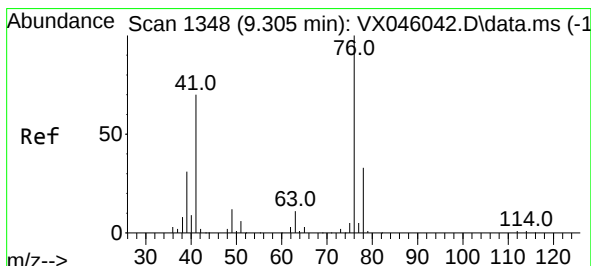
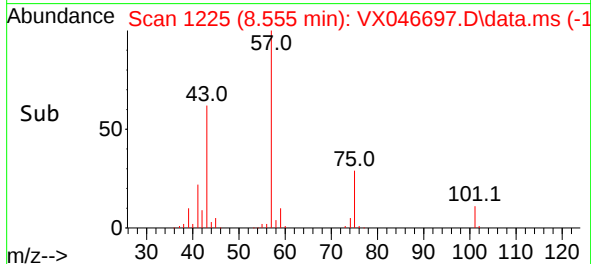
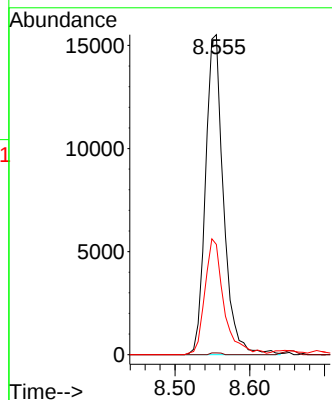
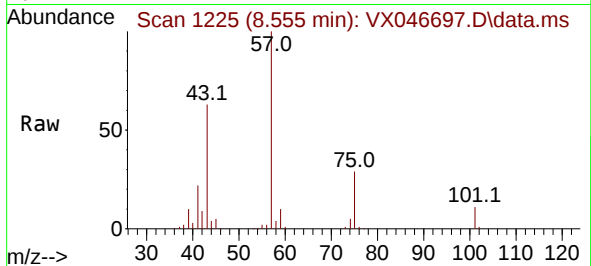




#54
 cis-1,3-Dichloropropene
 Concen: 13.247 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046697.D
 Acq: 13 Jun 2025 18:07

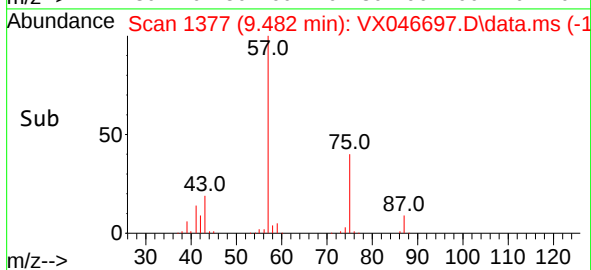
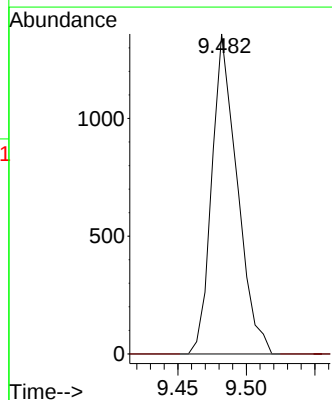
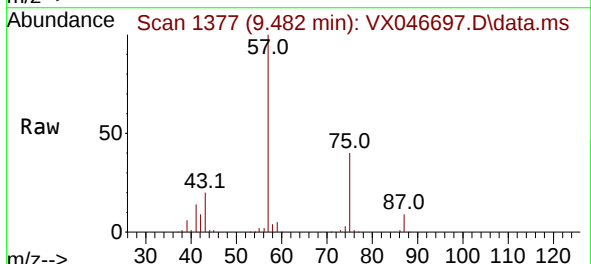
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

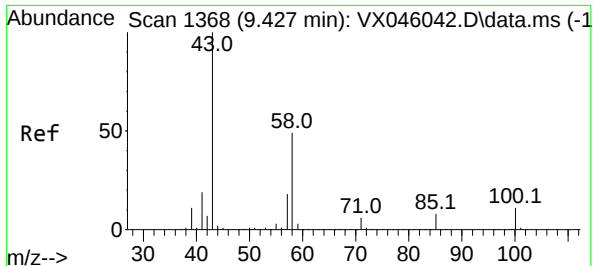
Tgt Ion: 75 Resp: 25919
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.0#
 39 34.5 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.818 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046697.D
 Acq: 13 Jun 2025 18:07

Tgt Ion: 76 Resp: 1752
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

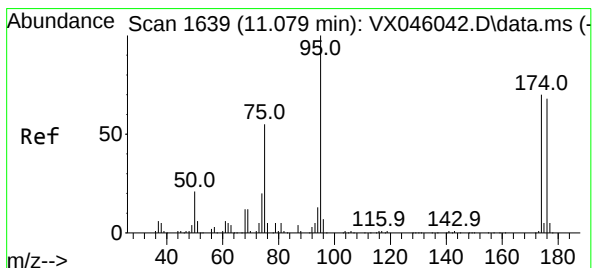
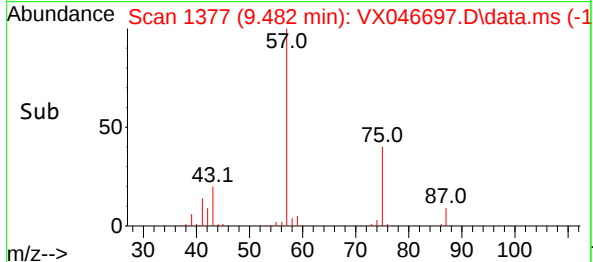
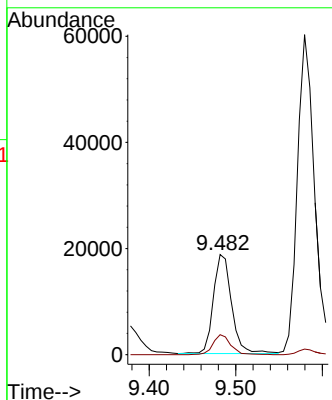
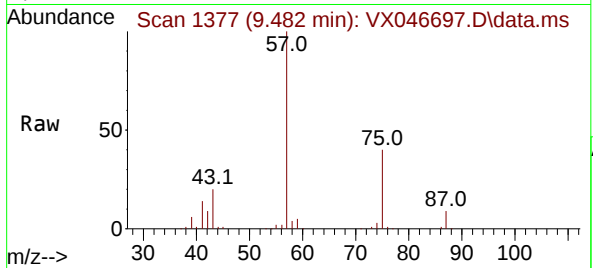




#59
2-Hexanone
Concen: 20.198 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

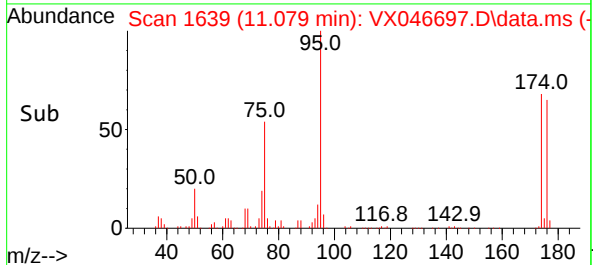
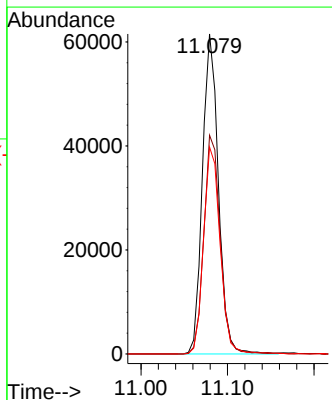
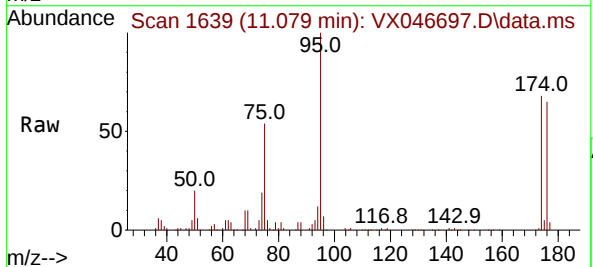
Instrument :
MSVOA_X
ClientSampleId :
TP-3

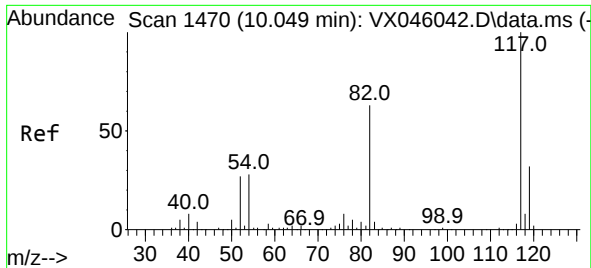
Tgt Ion: 43 Resp: 27350
Ion Ratio Lower Upper
43 100
58 19.8 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 47.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion: 95 Resp: 78986
Ion Ratio Lower Upper
95 100
174 69.9 0.0 135.8
176 67.1 0.0 131.4

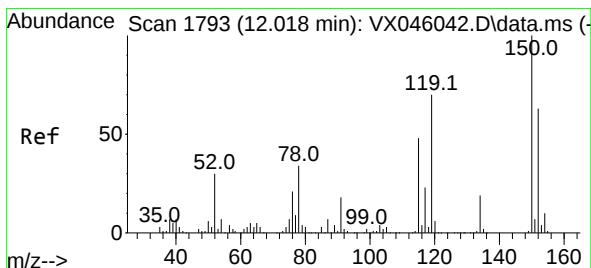
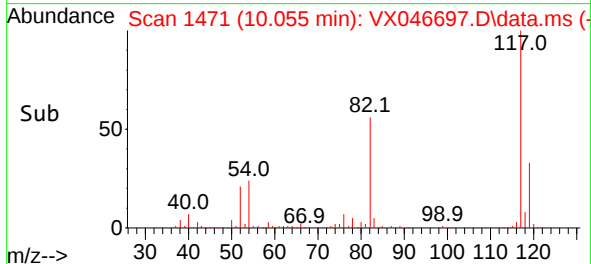
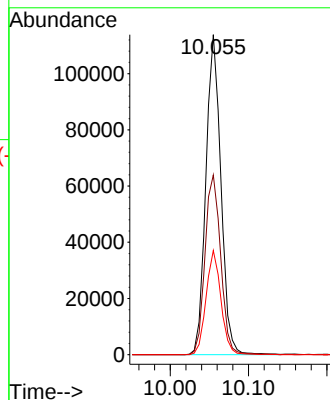
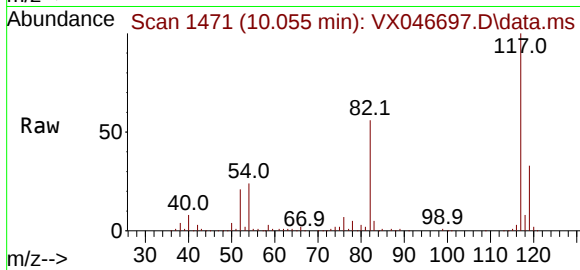




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

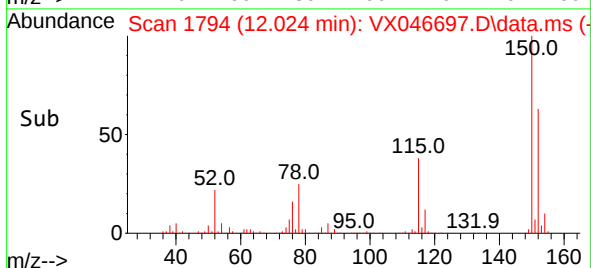
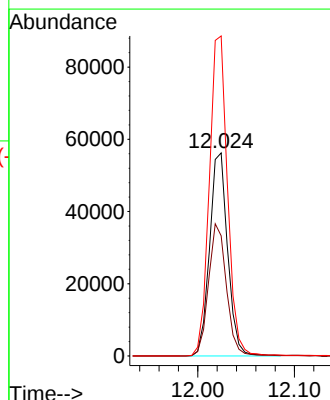
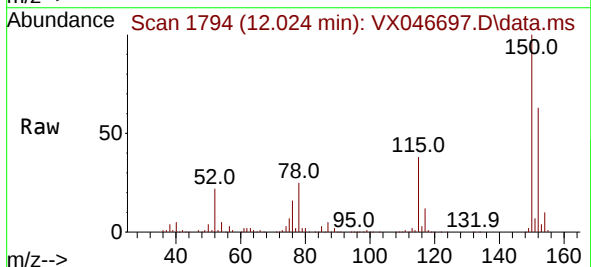
Instrument :
MSVOA_X
ClientSampleId :
TP-3

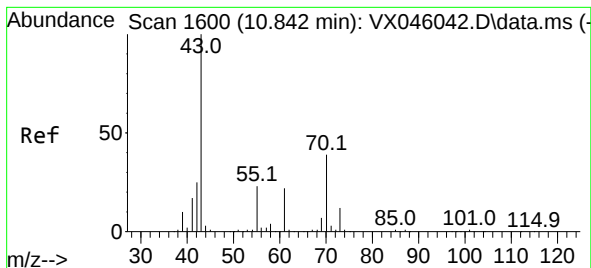
Tgt Ion:117 Resp: 151499
Ion Ratio Lower Upper
117 100
82 56.2 50.6 76.0
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Tgt Ion:152 Resp: 72809
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 159.4 0.0 351.0





#74

N-amy1 acetate

Concen: 0.282 ug/l

RT: 10.878 min Scan# 1

Delta R.T. 0.037 min

Lab File: VX046697.D

Acq: 13 Jun 2025 18:07

Instrument :

MSVOA_X

ClientSampleId :

TP-3

Tgt Ion: 43 Resp: 710

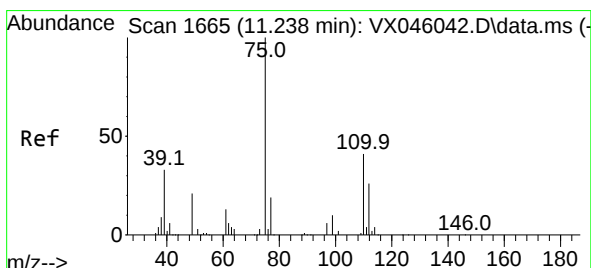
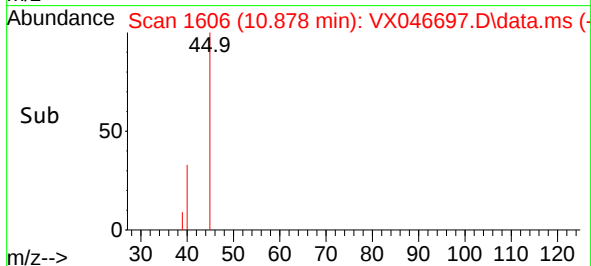
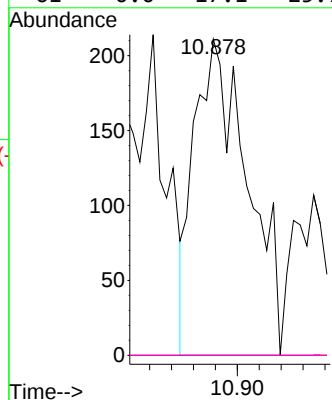
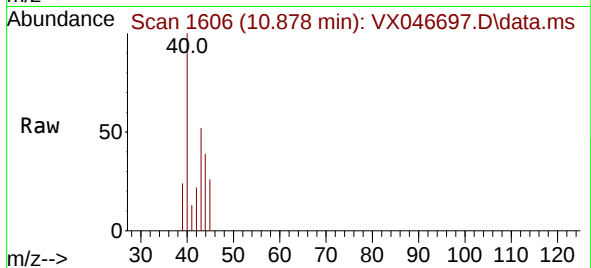
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 0.0 18.7 28.1#

61 0.0 17.1 25.7#



#76

1,2,3-Trichloropropane

Concen: 27.180 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046697.D

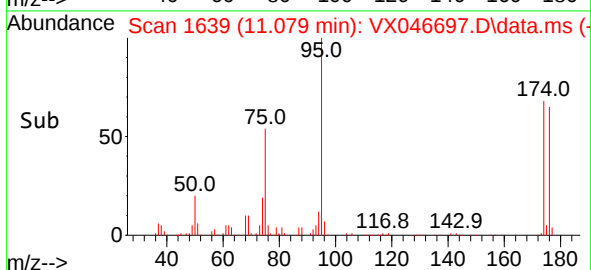
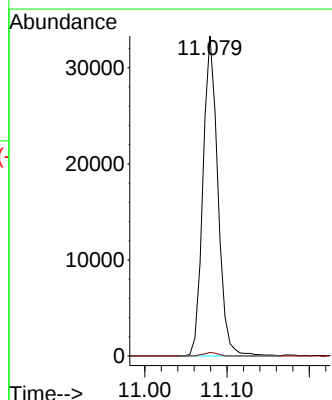
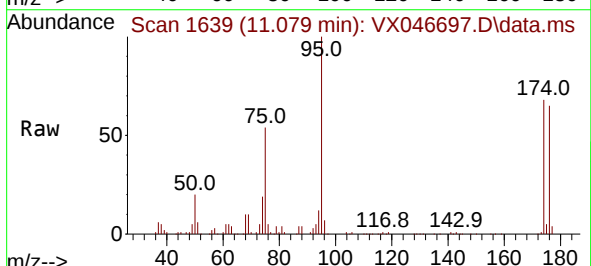
Acq: 13 Jun 2025 18:07

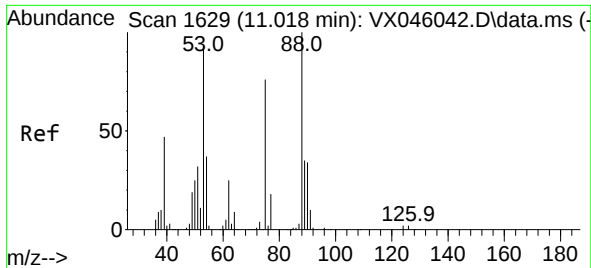
Tgt Ion: 75 Resp: 41917

Ion Ratio Lower Upper

75 100

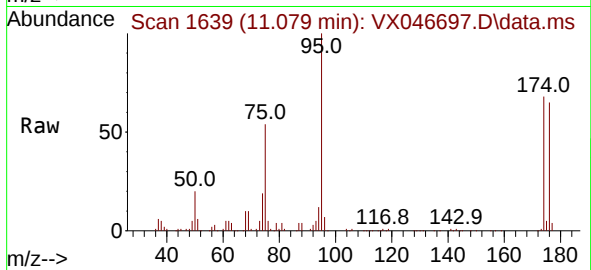
77 1.0 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.405 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046697.D
Acq: 13 Jun 2025 18:07

Instrument :
MSVOA_X
ClientSampleId :
TP-3



Tgt Ion: 75 Resp: 41917
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

