

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046574.D
 Acq On : 09 Jun 2025 13:20
 Operator : JC/MD
 Sample : Q2241-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-N

Quant Time: Jun 10 01:42:22 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

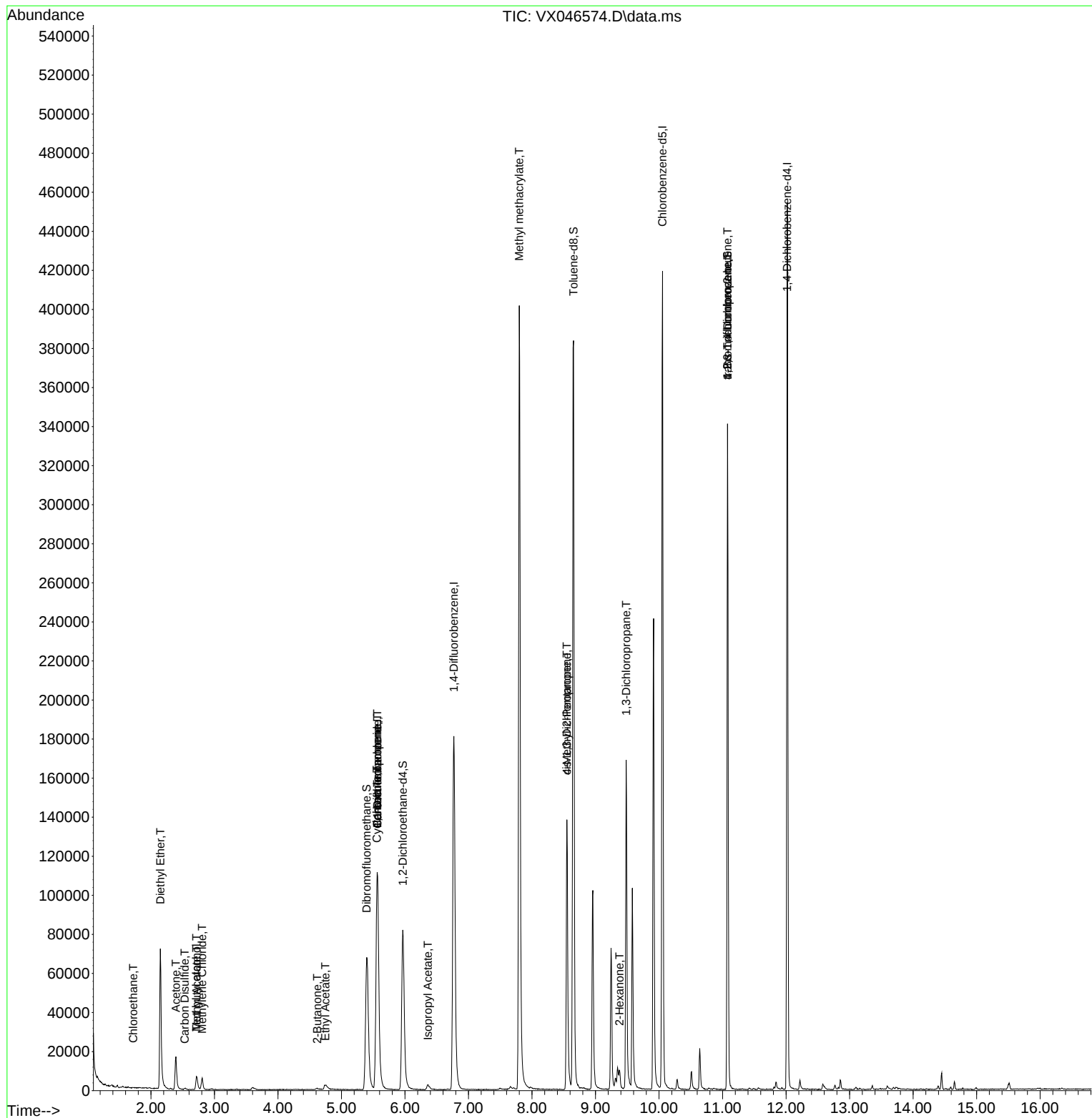
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	107684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	190646	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	85876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	89053	46.483	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.960%
35) Dibromofluoromethane	5.397	113	64865	46.266	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.540%
50) Toluene-d8	8.653	98	233608	50.540	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.080%
62) 4-Bromofluorobenzene	11.079	95	91342	47.762	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.520%
Target Compounds						
					Qvalue	
6) Chloroethane	1.721	64	205	0.233	ug/l #	44
8) Diethyl Ether	2.148	74	28025	35.341	ug/l	92
11) Tert butyl alcohol	2.715	59	782	3.679	ug/l #	72
16) Acetone	2.392	43	21162	32.207	ug/l	99
17) Carbon Disulfide	2.532	76	233	0.288	ug/l #	76
18) Methyl Acetate	2.715	43	10488	4.596	ug/l	100
20) Methylene Chloride	2.806	84	2644	1.720	ug/l	91
25) 2-Butanone	4.617	43	1170	1.097	ug/l #	67
31) Cyclohexane	5.556	56	2577	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	9741	4.864	ug/l #	51
37) Ethyl Acetate	4.745	43	5093	2.606	ug/l #	87
38) Carbon Tetrachloride	5.562	117	12382	5.520	ug/l #	16
43) Isopropyl Acetate	6.361	43	4116	1.208	ug/l #	94
48) Methyl methacrylate	7.799	41	39990	22.810	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	52902	24.431	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	22003	9.805	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1531	0.623	ug/l #	42
59) 2-Hexanone	9.378	43	7815	5.032	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	49135	27.013	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	49135	77.921	ug/l #	1

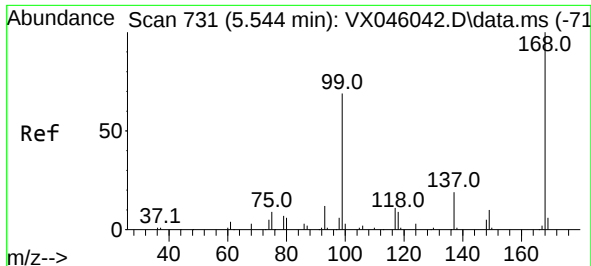
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-N

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
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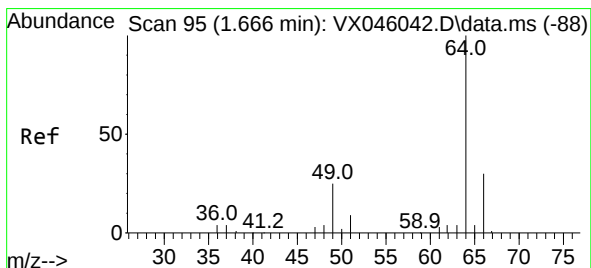
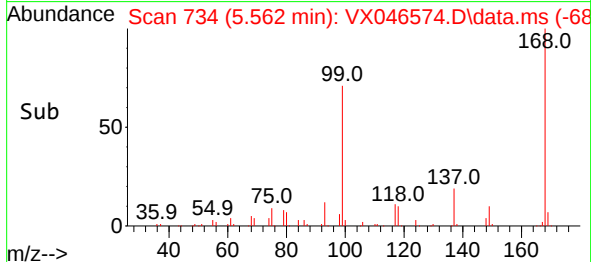
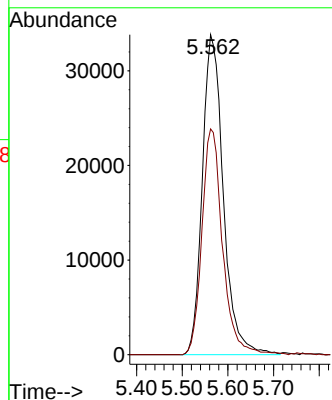
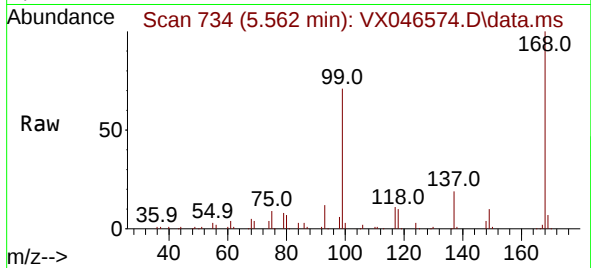




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

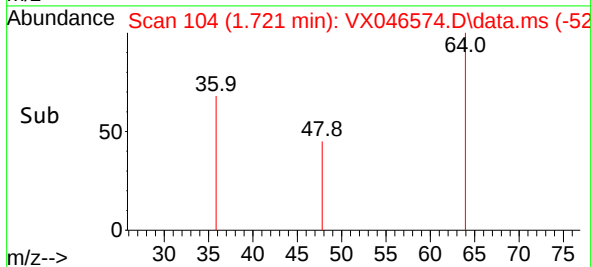
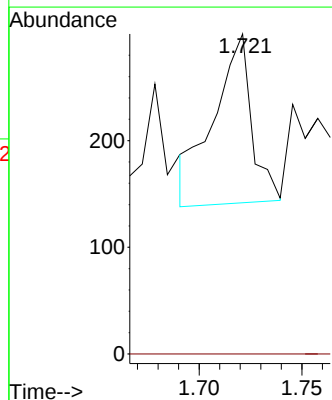
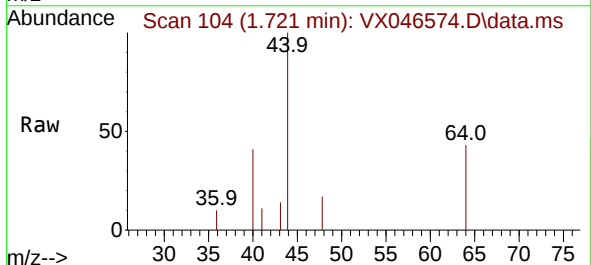
Instrument :
MSVOA_X
ClientSampleId :
TP-N

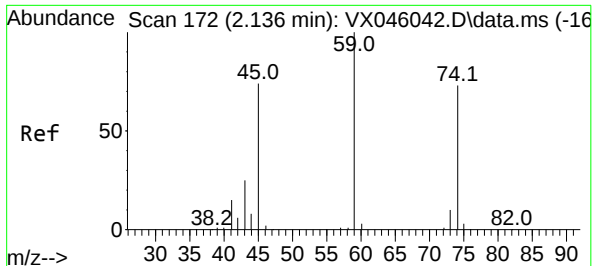
Tgt Ion:168 Resp: 107684
Ion Ratio Lower Upper
168 100
99 70.5 54.9 82.3



#6
Chloroethane
Concen: 0.233 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.018 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 64 Resp: 205
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

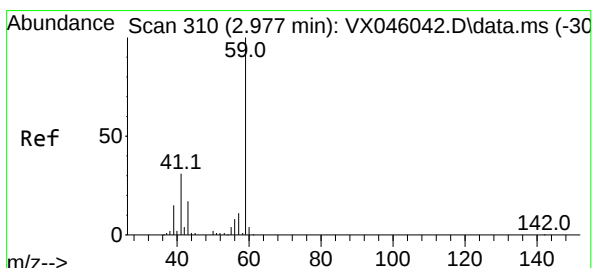
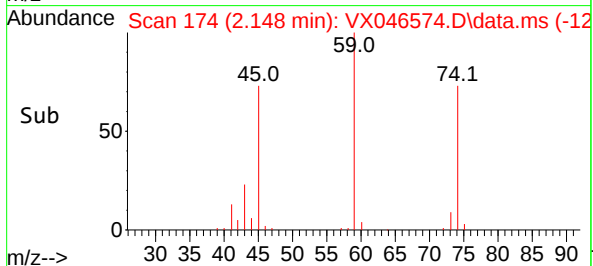
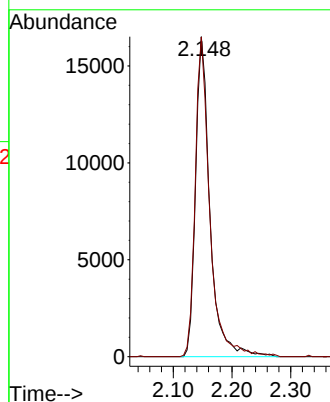
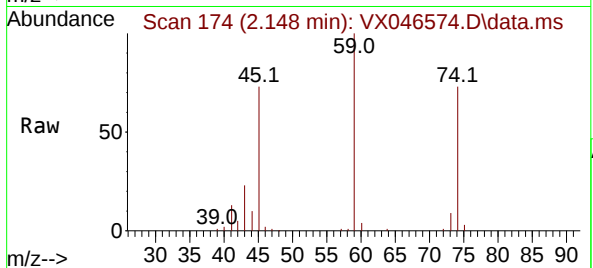




#8
Diethyl Ether
Concen: 35.341 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

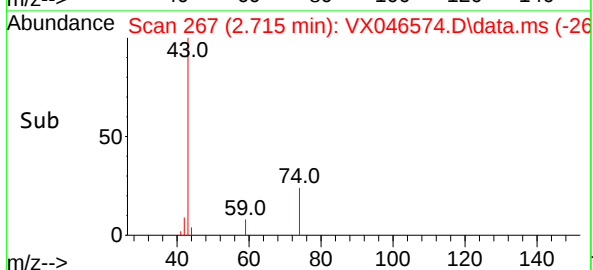
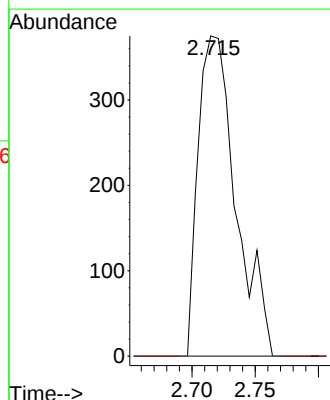
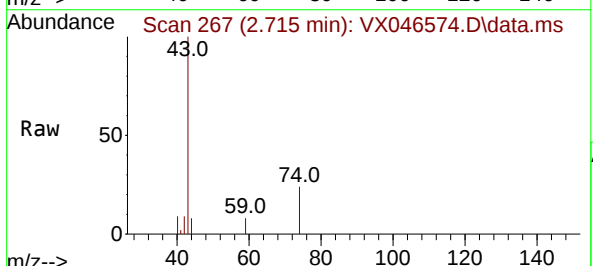
Instrument :
MSVOA_X
ClientSampleId :
TP-N

Tgt Ion: 74 Resp: 28025
Ion Ratio Lower Upper
74 100
45 101.4 54.9 164.8



#11
Tert butyl alcohol
Concen: 3.679 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.256 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 59 Resp: 782
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

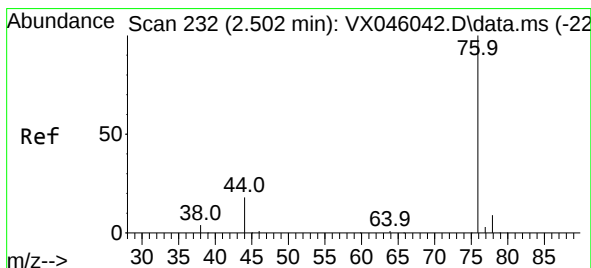
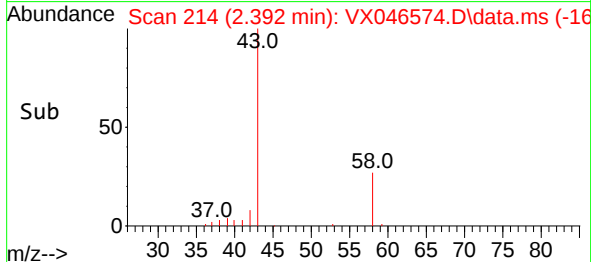
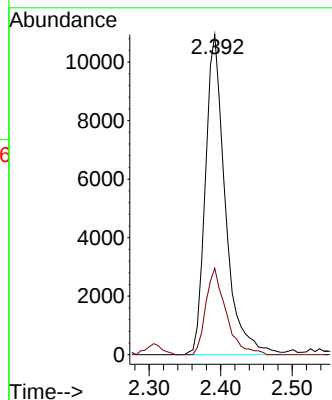
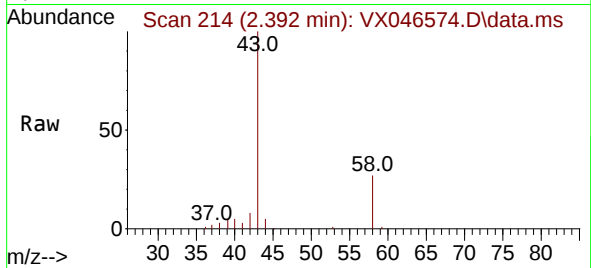




#16
Acetone
Concen: 32.207 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

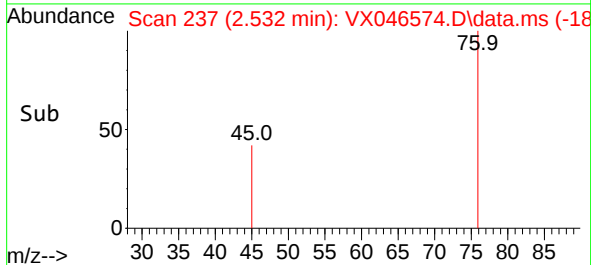
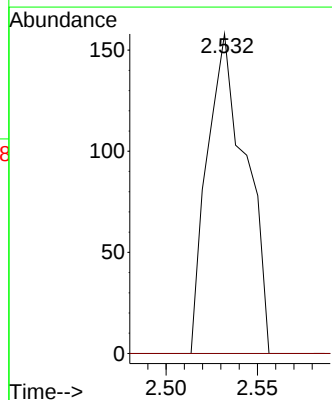
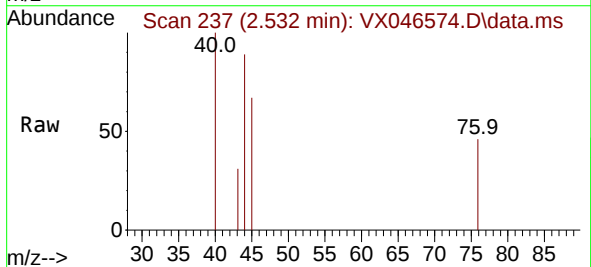
Instrument :
MSVOA_X
ClientSampleId :
TP-N

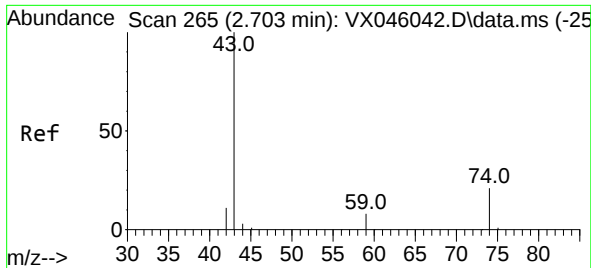
Tgt Ion: 43 Resp: 21162
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8



#17
Carbon Disulfide
Concen: 0.288 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 76 Resp: 233
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

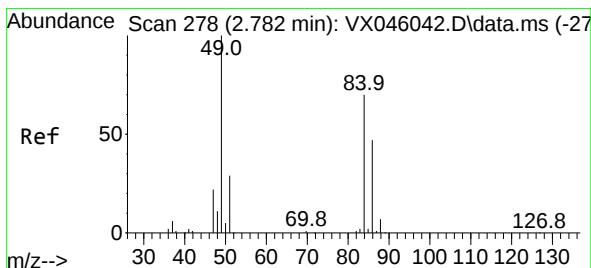
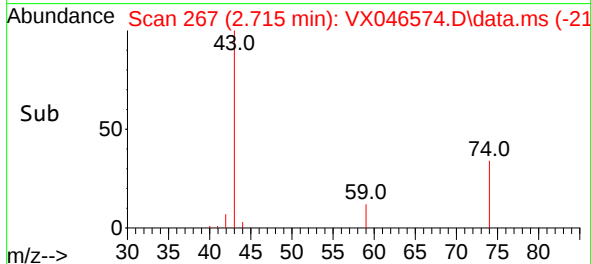
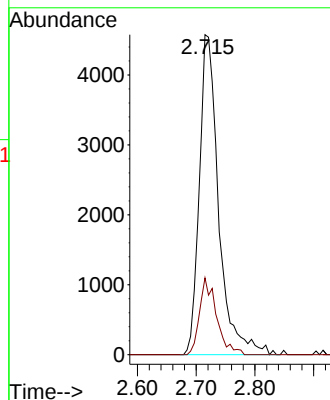
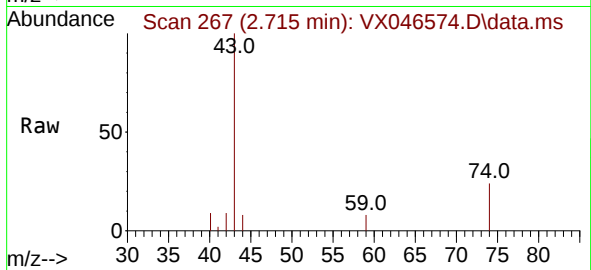




#18
Methyl Acetate
Concen: 4.596 ug/l
RT: 2.715 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

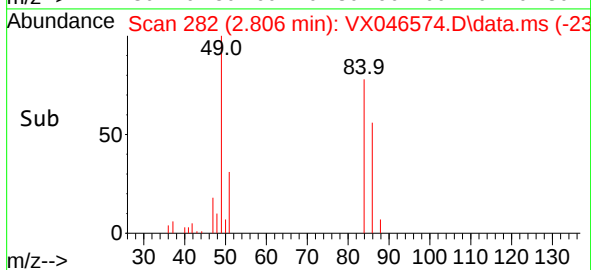
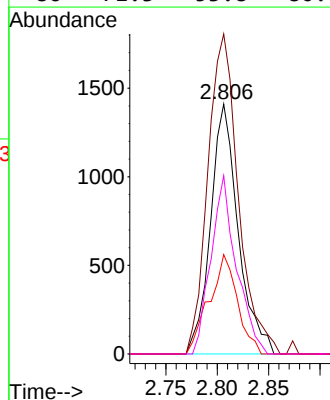
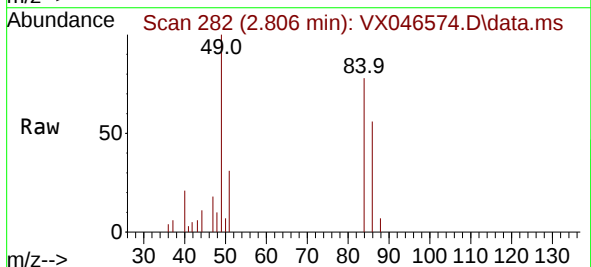
Instrument :
MSVOA_X
ClientSampleId :
TP-N

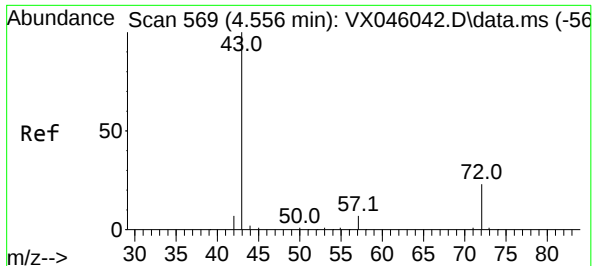
Tgt Ion: 43 Resp: 10488
Ion Ratio Lower Upper
43 100
74 21.1 16.7 25.1



#20
Methylene Chloride
Concen: 1.720 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 84 Resp: 2644
Ion Ratio Lower Upper
84 100
49 128.0 113.9 170.9
51 39.8 33.5 50.3
86 71.3 53.8 80.8

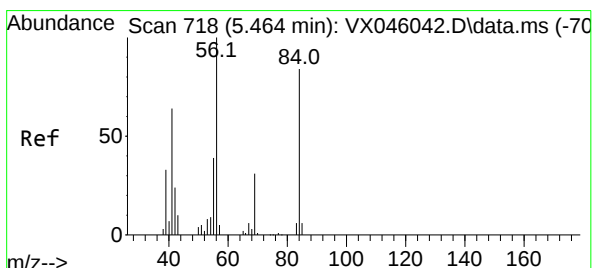
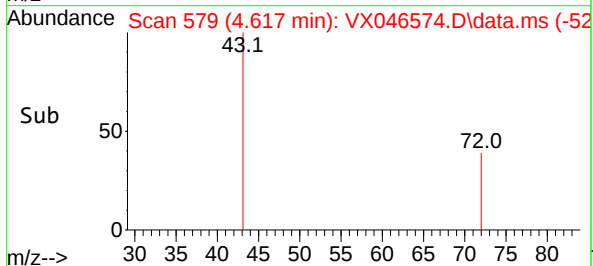
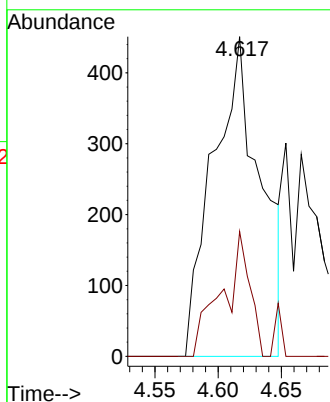
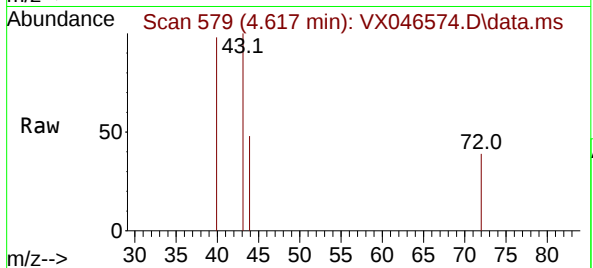




#25
2-Butanone
Concen: 1.097 ug/l
RT: 4.617 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

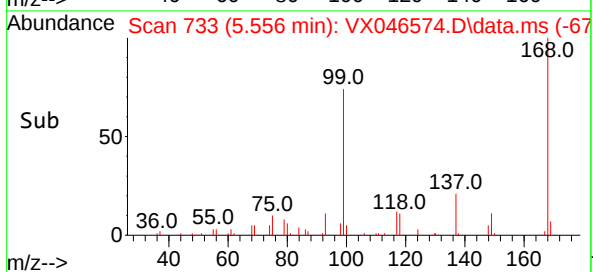
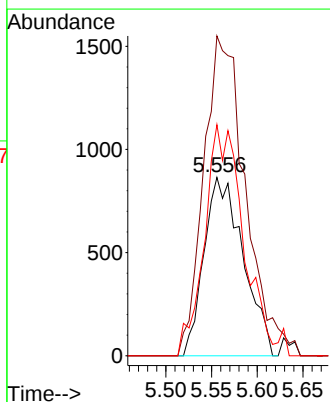
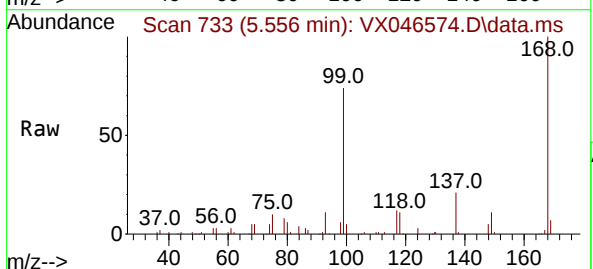
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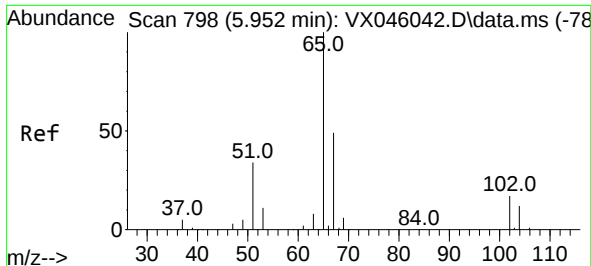
Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
72 39.0 18.4 27.6#



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.067 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 56 Resp: 2577
Ion Ratio Lower Upper
56 100
69 179.2 24.4 36.6#
84 129.5 66.9 100.3#

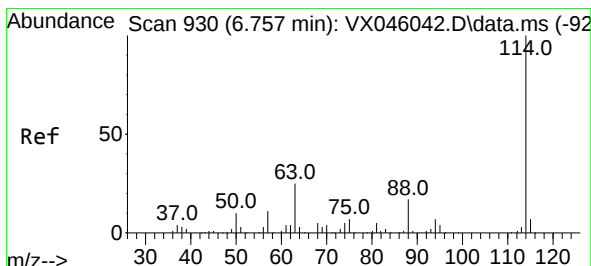
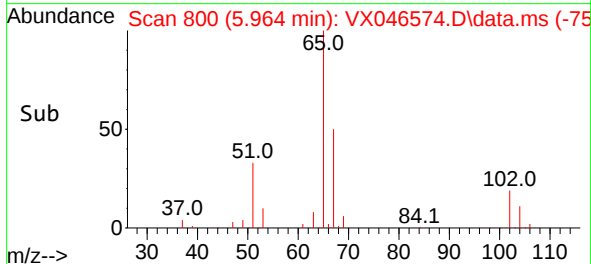
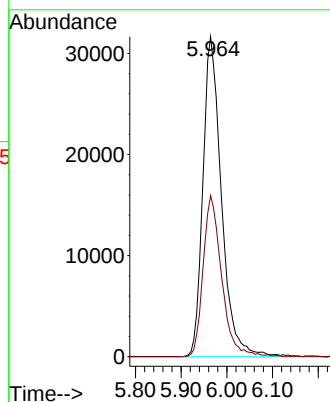
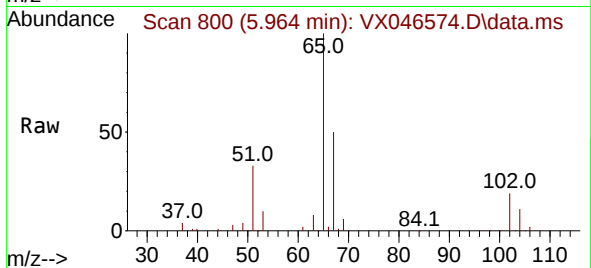




#33
 1,2-Dichloroethane-d4
 Concen: 46.483 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VX046574.D
 Acq: 09 Jun 2025 13:20

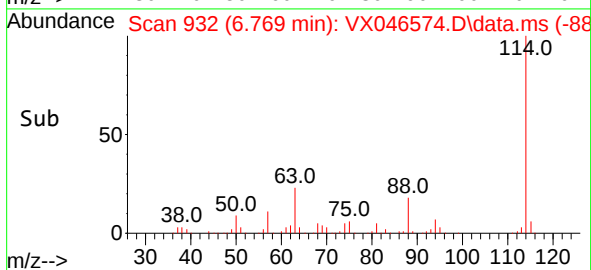
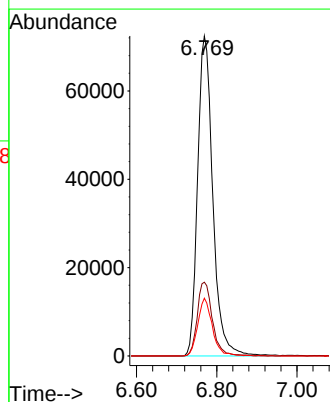
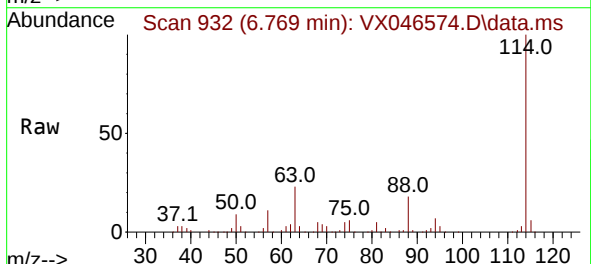
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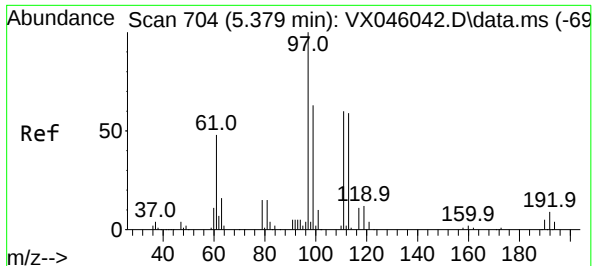
Tgt Ion: 65 Resp: 89053
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.006 min
 Lab File: VX046574.D
 Acq: 09 Jun 2025 13:20

Tgt Ion: 114 Resp: 190646
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 49.2
 88 18.0 0.0 33.6

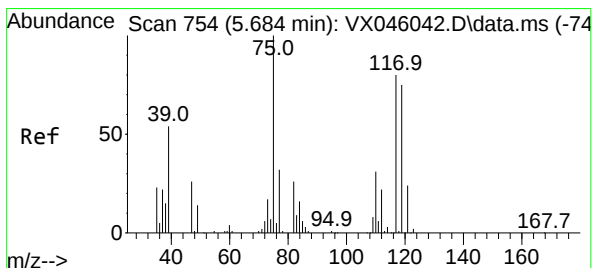
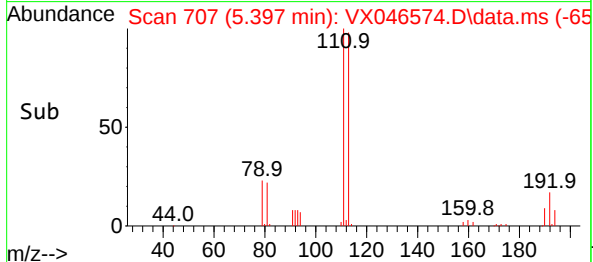
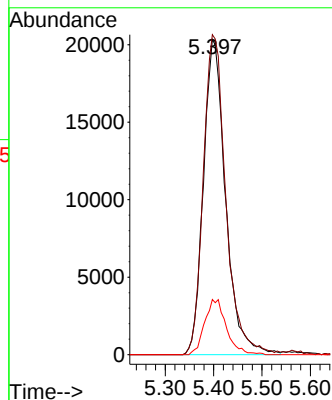
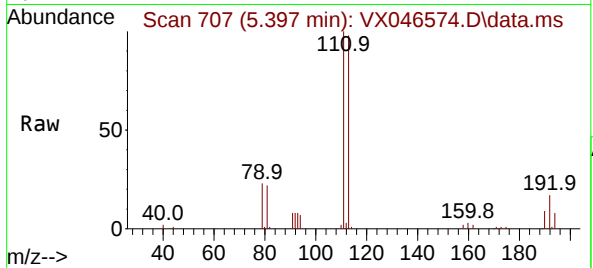




#35
Dibromofluoromethane
Concen: 46.266 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

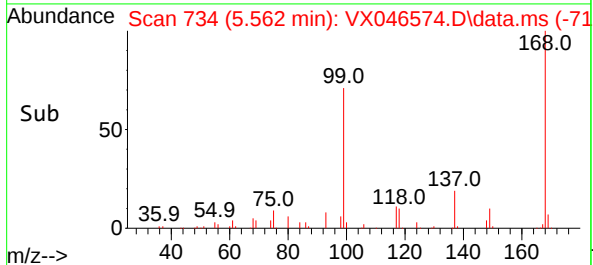
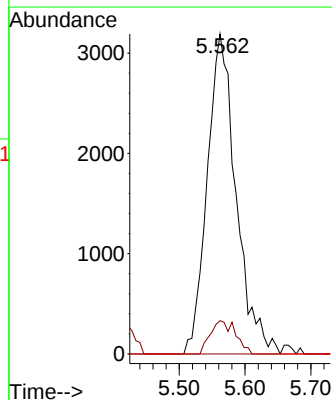
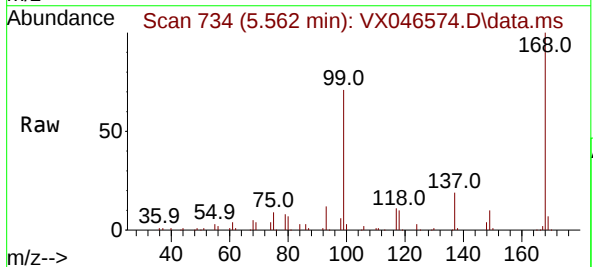
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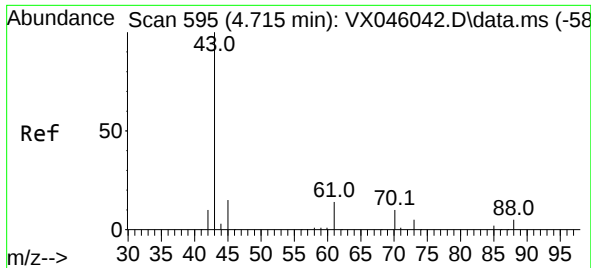
Tgt Ion:113 Resp: 64865
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.864 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 75 Resp: 9741
Ion Ratio Lower Upper
75 100
110 9.1 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 2.606 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.012 min

Lab File: VX046574.D

Acq: 09 Jun 2025 13:20

Instrument :

MSVOA_X

ClientSampleId :

TP-N

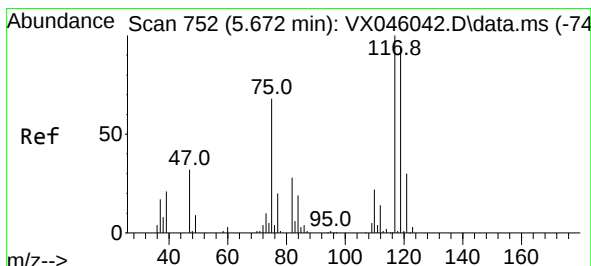
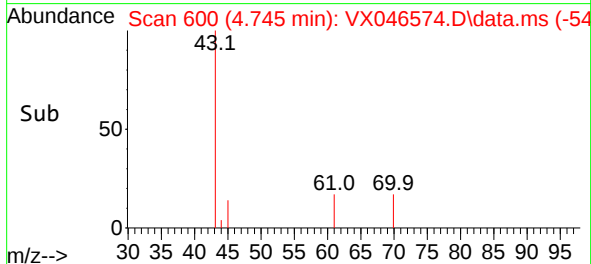
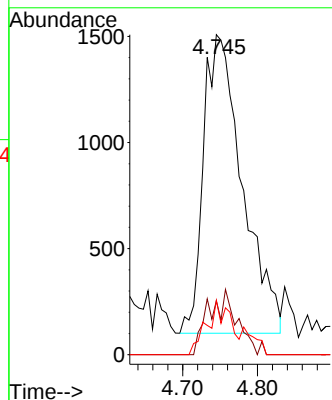
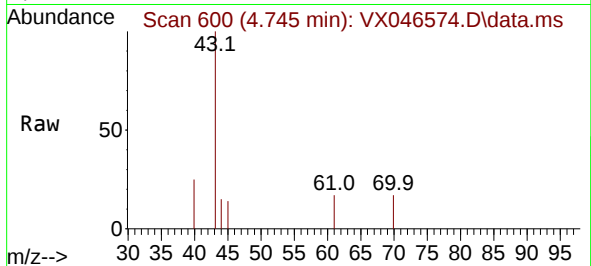
Tgt Ion: 43 Resp: 5093

Ion Ratio Lower Upper

43 100

61 4.9 10.3 15.5#

70 11.0 7.9 11.9



#38

Carbon Tetrachloride

Concen: 5.520 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX046574.D

Acq: 09 Jun 2025 13:20

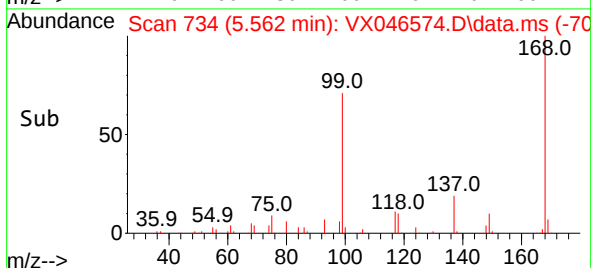
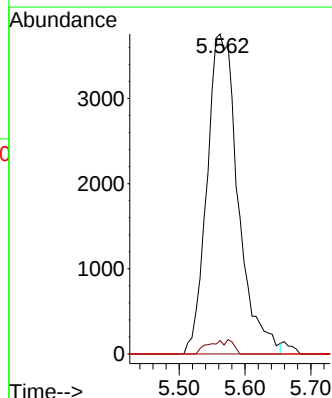
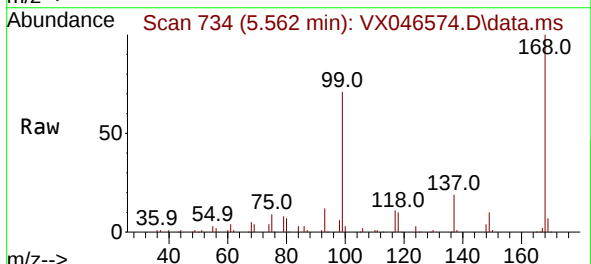
Tgt Ion: 117 Resp: 12382

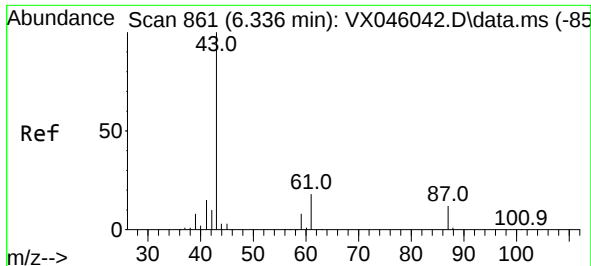
Ion Ratio Lower Upper

117 100

119 4.2 75.2 112.8#

121 0.0 24.2 36.4#

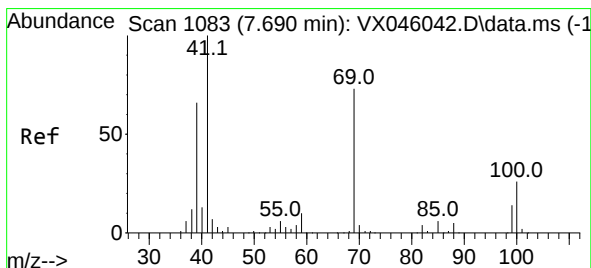
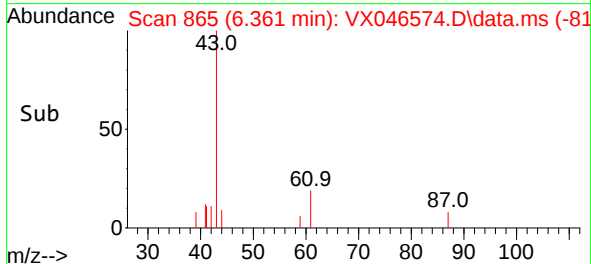
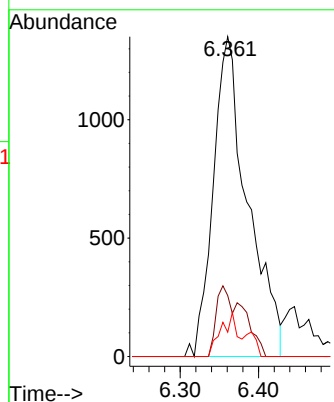
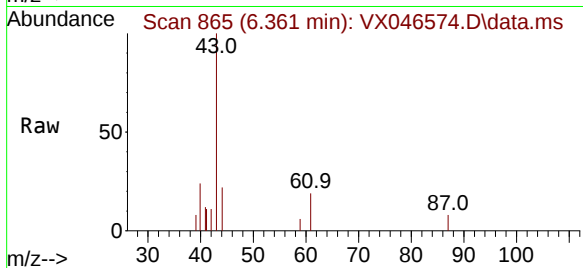




#43
Isopropyl Acetate
Concen: 1.208 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

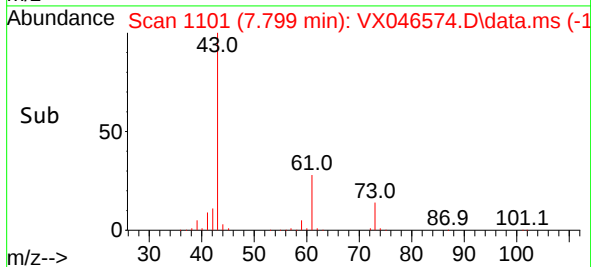
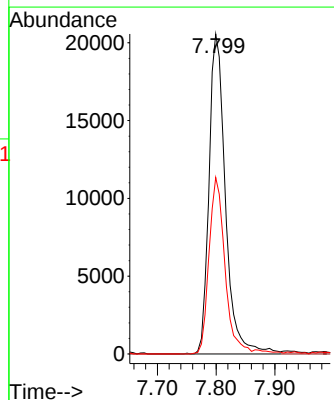
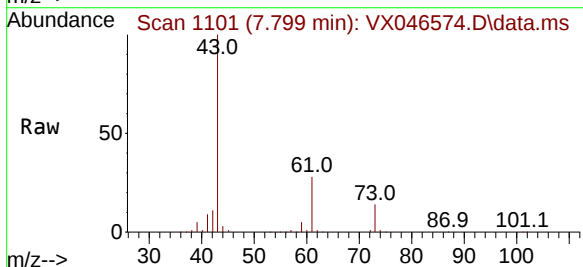
Instrument :
MSVOA_X
ClientSampleId :
TP-N

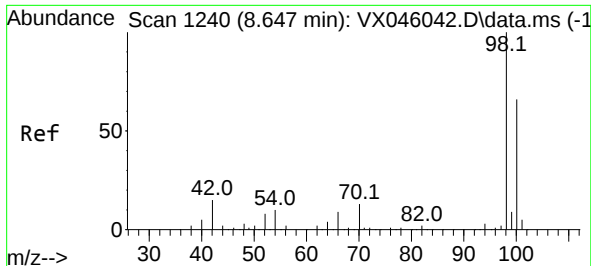
Tgt Ion: 43 Resp: 4116
Ion Ratio Lower Upper
43 100
61 17.3 14.3 21.5
87 6.6 9.5 14.3#



#48
Methyl methacrylate
Concen: 22.810 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 41 Resp: 39990
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.4 51.7 77.5

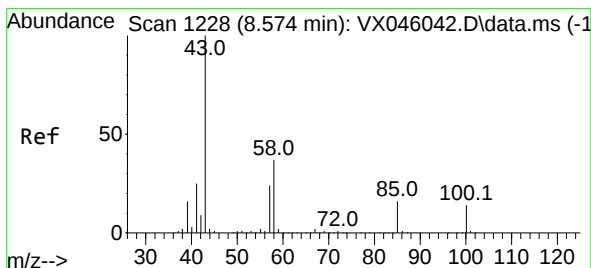
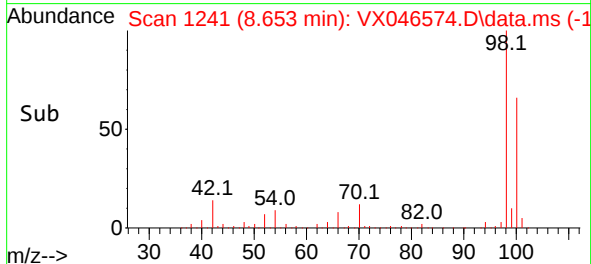
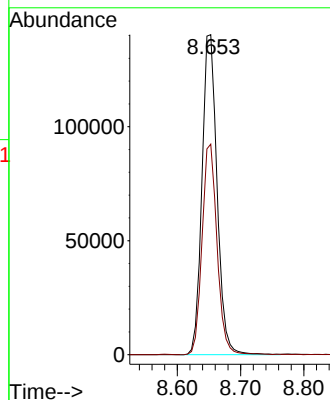
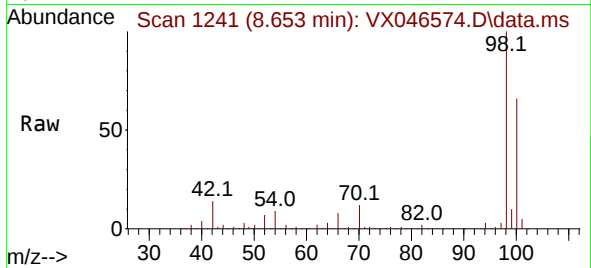




#50
Toluene-d8
Concen: 50.540 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

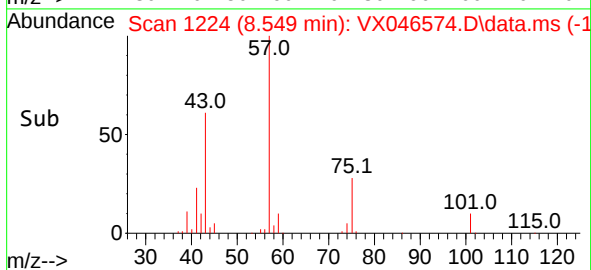
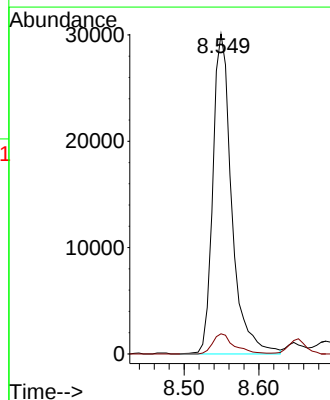
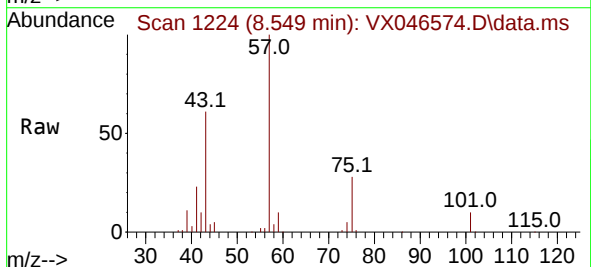
Instrument :
MSVOA_X
ClientSampleId :
TP-N

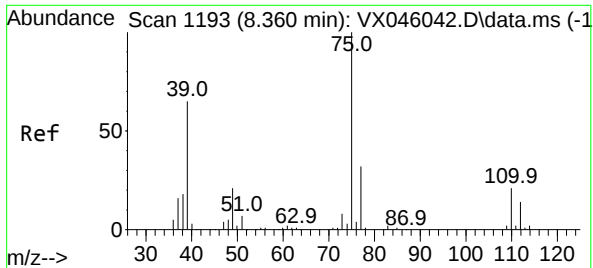
Tgt Ion: 98 Resp: 233608
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 24.431 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 43 Resp: 52902
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#

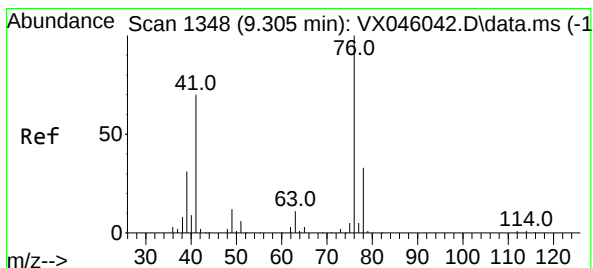
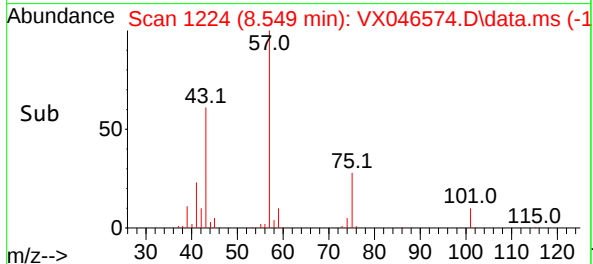
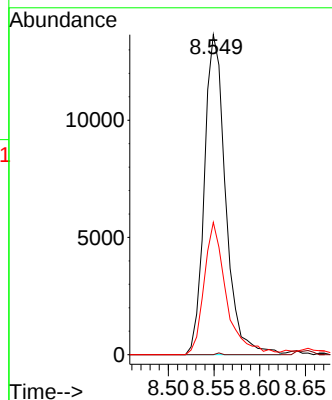
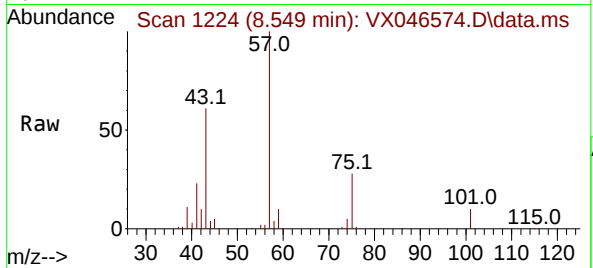




#54
 cis-1,3-Dichloropropene
 Concen: 9.805 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046574.D
 Acq: 09 Jun 2025 13:20

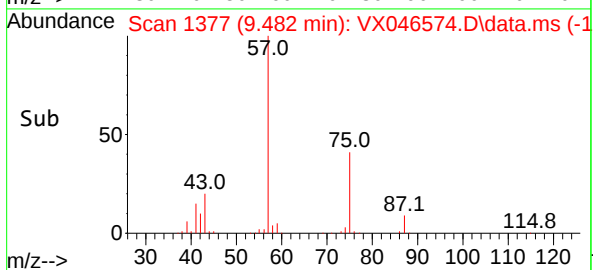
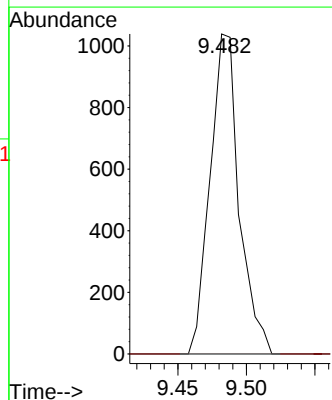
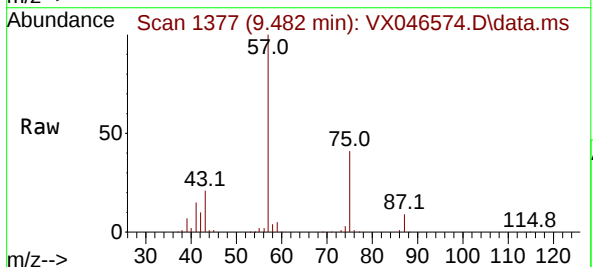
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-N

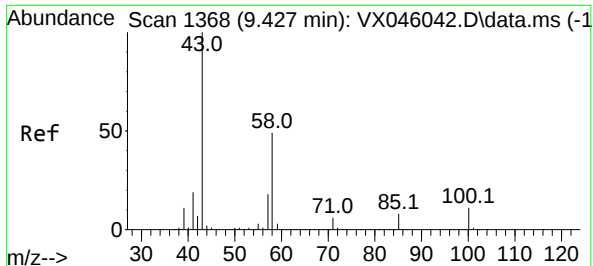
Tgt Ion: 75 Resp: 22003
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 41.4 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.623 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046574.D
 Acq: 09 Jun 2025 13:20

Tgt Ion: 76 Resp: 1531
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

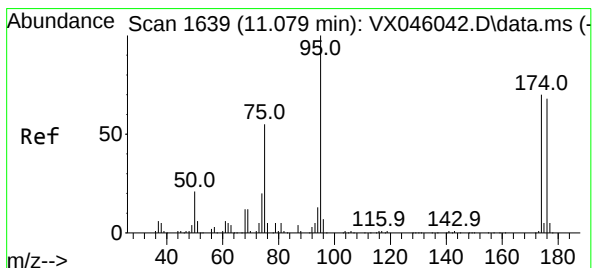
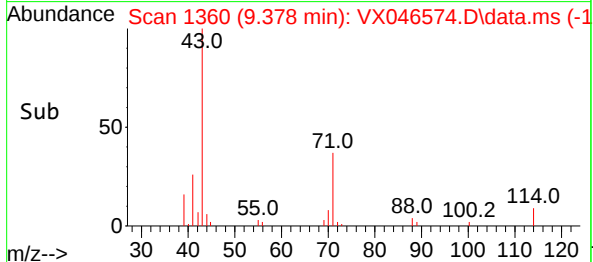
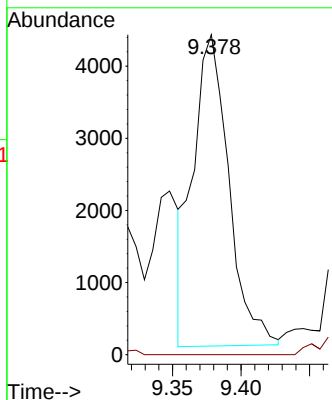
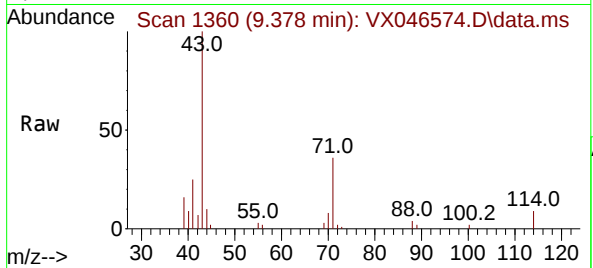




#59
2-Hexanone
Concen: 5.032 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

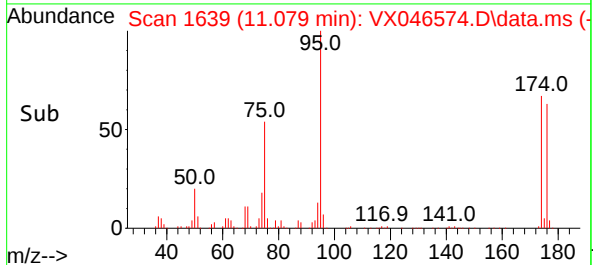
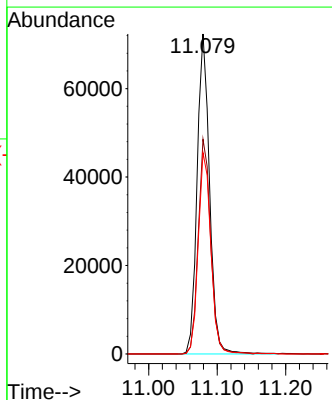
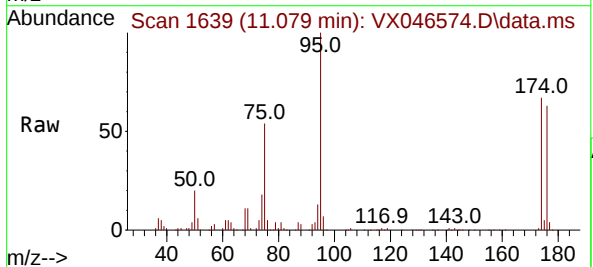
Instrument :
MSVOA_X
ClientSampleId :
TP-N

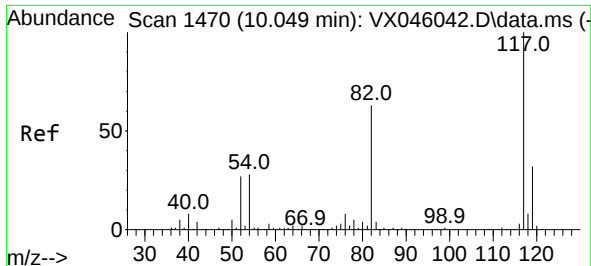
Tgt Ion: 43 Resp: 7815
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 47.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion: 95 Resp: 91342
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 64.2 0.0 131.4

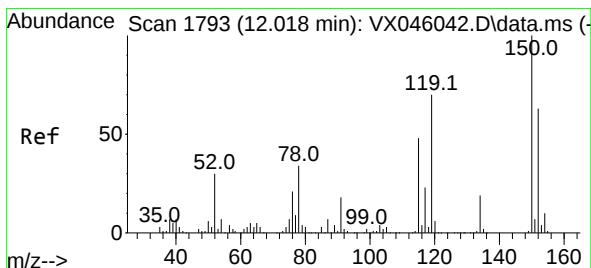
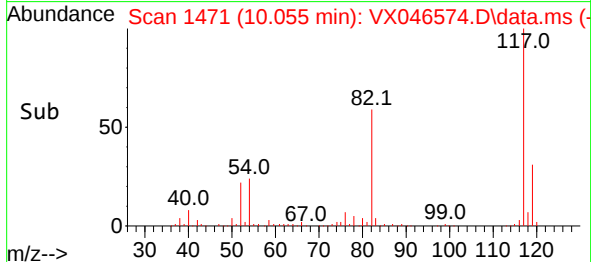
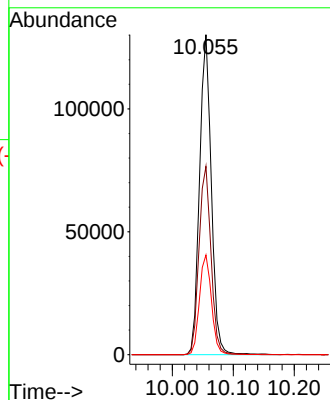
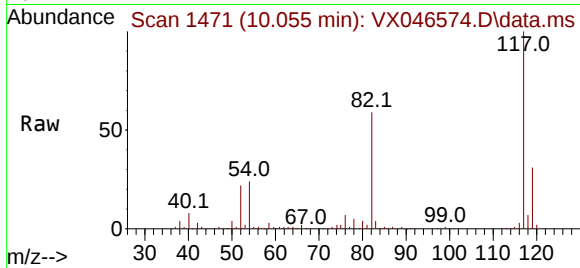




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

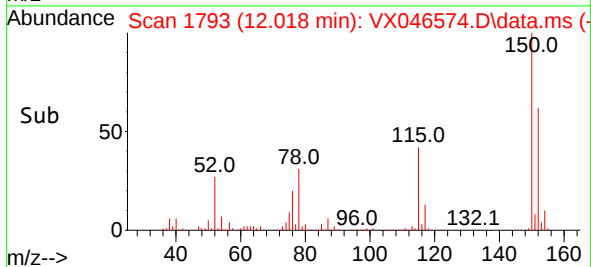
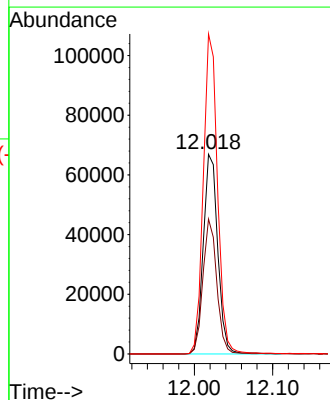
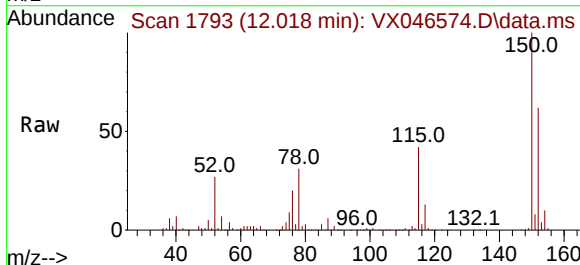
Instrument :
MSVOA_X
ClientSampleId :
TP-N

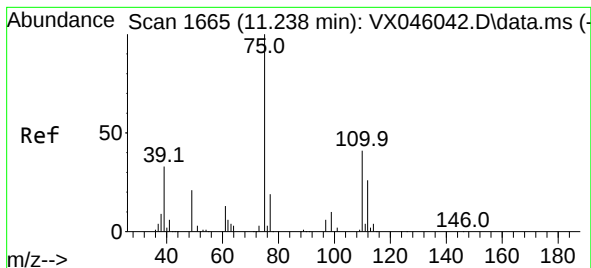
Tgt Ion:117 Resp: 174398
Ion Ratio Lower Upper
117 100
82 58.8 50.6 76.0
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046574.D
Acq: 09 Jun 2025 13:20

Tgt Ion:152 Resp: 85876
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 157.3 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 27.013 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX046574.D

Acq: 09 Jun 2025 13:20

Instrument :

MSVOA_X

ClientSampleId :

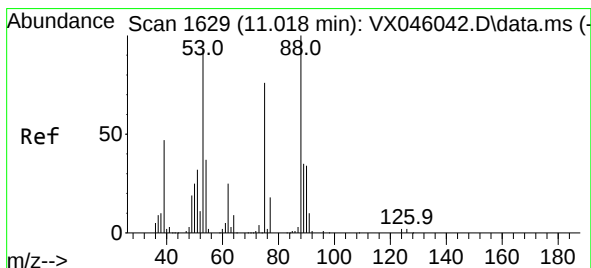
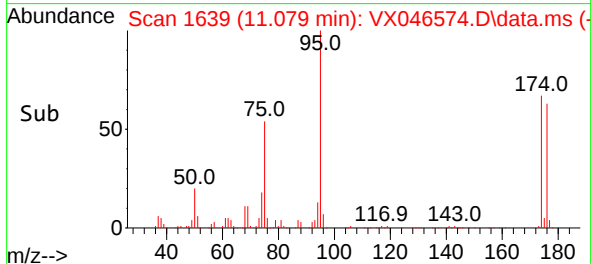
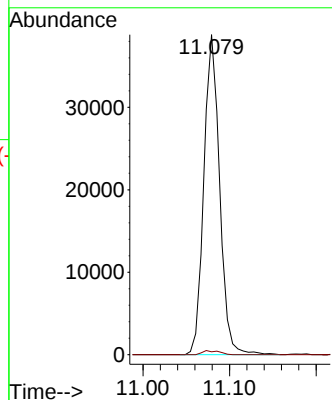
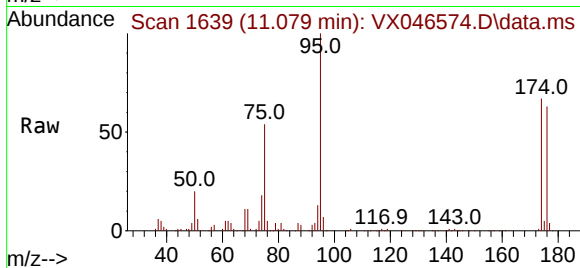
TP-N

Tgt Ion: 75 Resp: 49135

Ion Ratio Lower Upper

75 100

77 1.4 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.921 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046574.D

Acq: 09 Jun 2025 13:20

Tgt Ion: 75 Resp: 49135

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

