

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046562.D
 Acq On : 07 Jun 2025 07:01
 Operator : JC/MD
 Sample : Q2241-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-N

Quant Time: Jun 07 07:21:26 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)

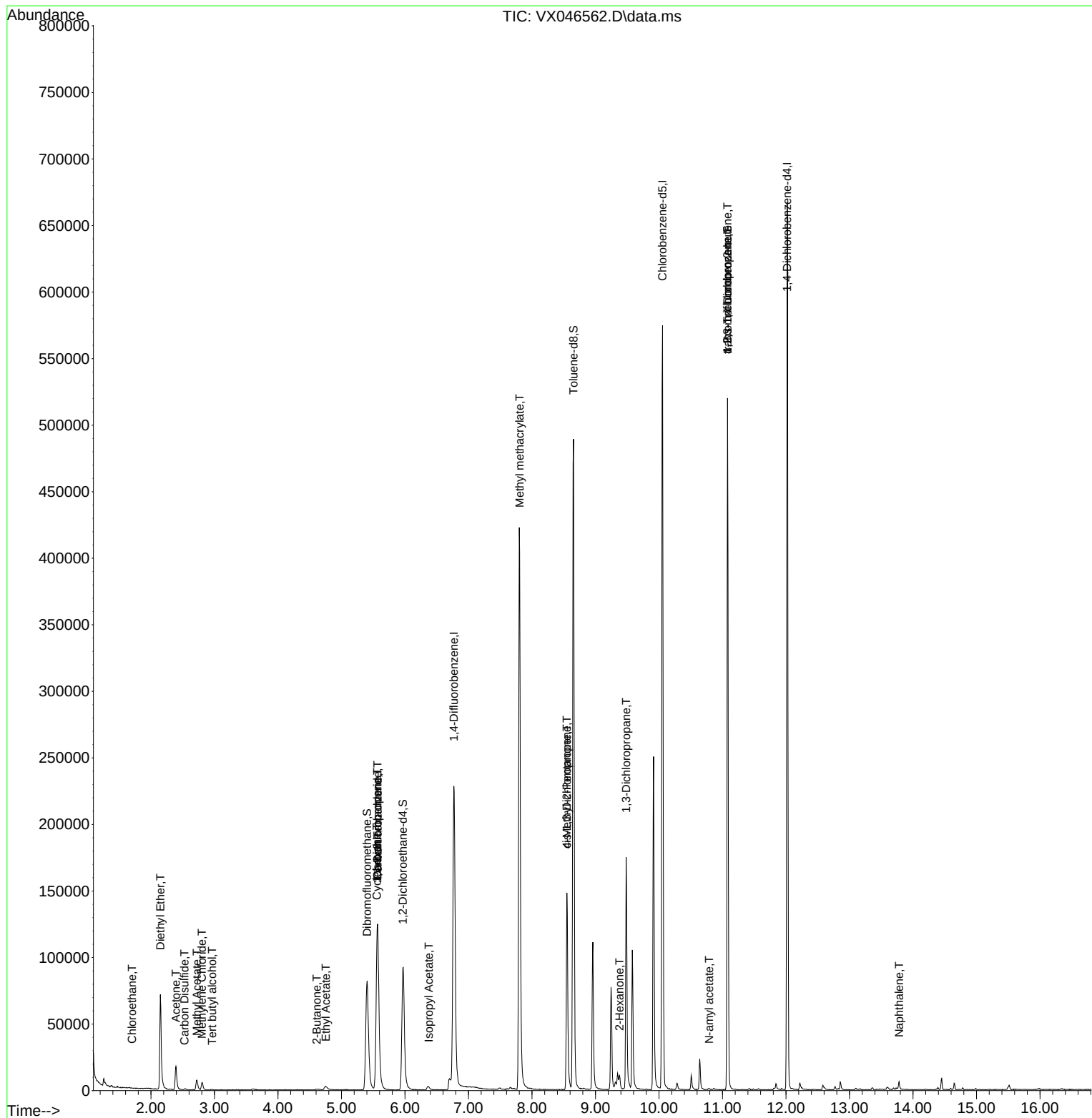
Internal Standards						
1) Pentafluorobenzene	5.568	168	117205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229920	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100601	48.245	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.500%
35) Dibromofluoromethane	5.404	113	76262	45.103	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.200%
50) Toluene-d8	8.653	98	290767	52.161	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.320%
62) 4-Bromofluorobenzene	11.079	95	134690	58.399	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.800%
Target Compounds						
					Qvalue	
6) Chloroethane	1.703	64	297	0.310	ug/l #	44
8) Diethyl Ether	2.148	74	27513	31.877	ug/l	95
11) Tert butyl alcohol	2.965	59	56	0.242	ug/l #	72
16) Acetone	2.392	43	21769	30.691	ug/l	99
17) Carbon Disulfide	2.526	76	258	0.289	ug/l #	76
18) Methyl Acetate	2.721	43	11075	4.459	ug/l	100
20) Methylene Chloride	2.800	84	2677	1.600	ug/l #	84
25) 2-Butanone	4.611	43	2190	1.887	ug/l #	87
31) Cyclohexane	5.556	56	3156	1.302	ug/l #	38
36) 1,1-Dichloropropene	5.562	75	11053	4.576	ug/l #	52
37) Ethyl Acetate	4.751	43	5575	2.365	ug/l #	91
38) Carbon Tetrachloride	5.568	117	13803	5.102	ug/l #	17
43) Isopropyl Acetate	6.373	43	4866	1.184	ug/l #	63
48) Methyl methacrylate	7.806	41	41929	19.830	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	55341	21.192	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	23184	8.567	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	1518	0.512	ug/l #	42
59) 2-Hexanone	9.378	43	8056	4.301	ug/l #	28
74) N-amyl acetate	10.787	43	899	0.206	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	74263	27.868	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	74263	80.389	ug/l #	1
95) Naphthalene	13.780	128	4506	0.484	ug/l #	91

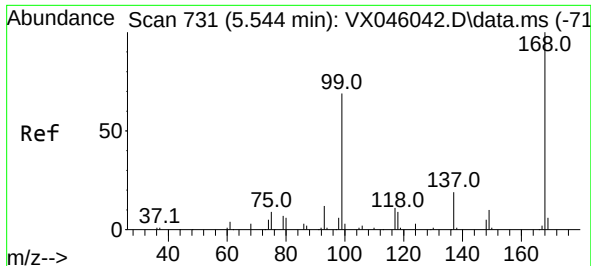
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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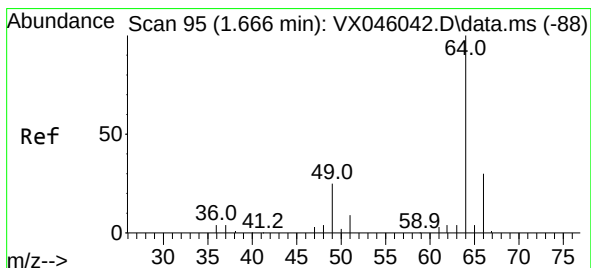
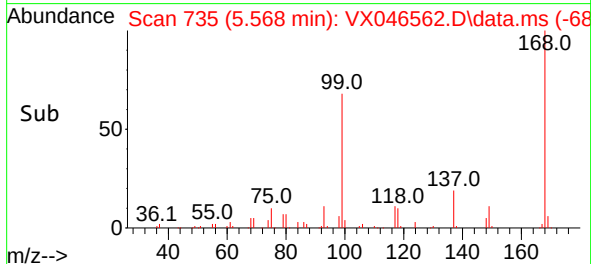
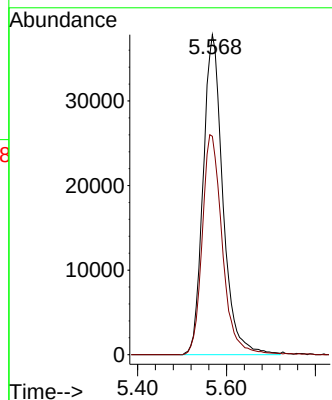
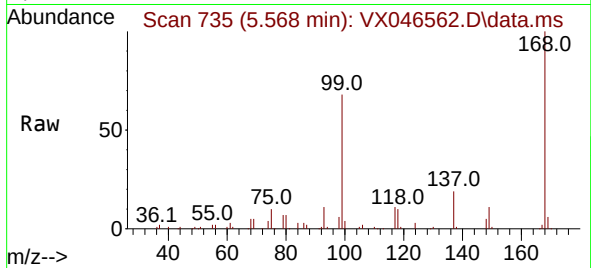




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

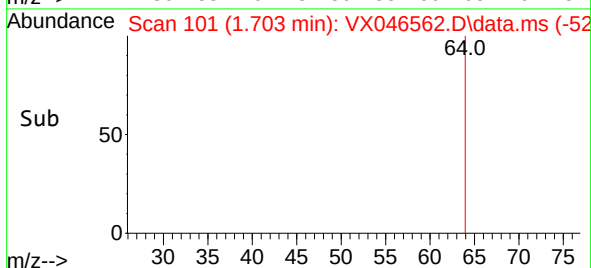
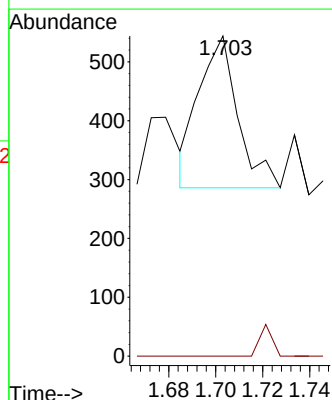
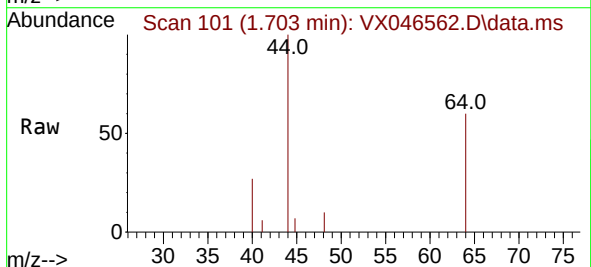
Instrument :
MSVOA_X
ClientSampleId :
TP-N

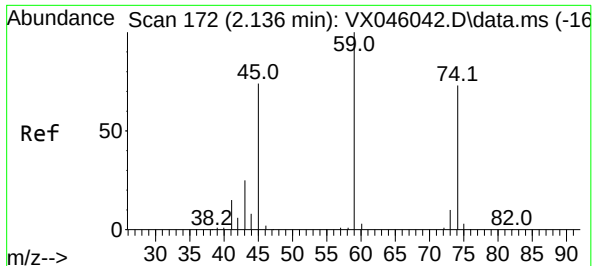
Tgt Ion:168 Resp: 117205
Ion Ratio Lower Upper
168 100
99 68.2 54.9 82.3



#6
Chloroethane
Concen: 0.310 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 64 Resp: 297
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

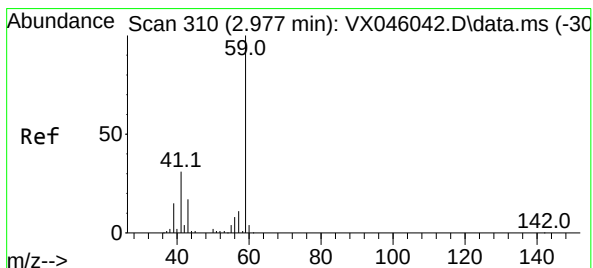
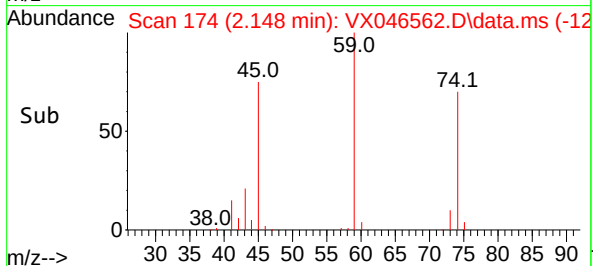
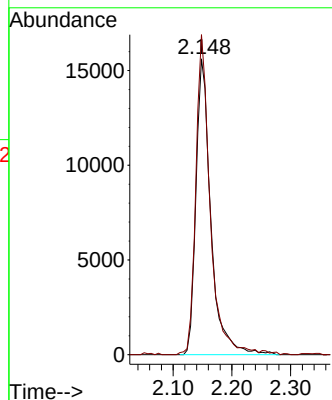
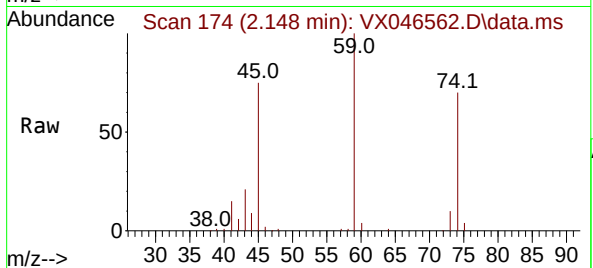




#8
Diethyl Ether
Concen: 31.877 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

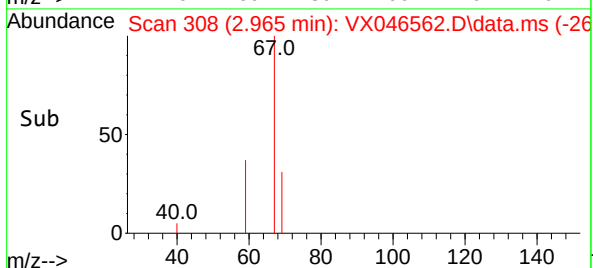
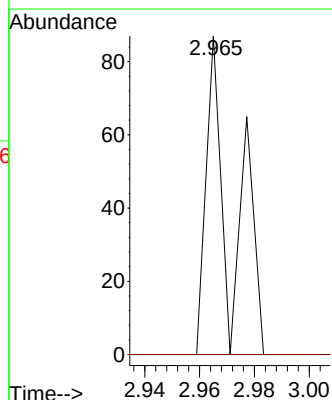
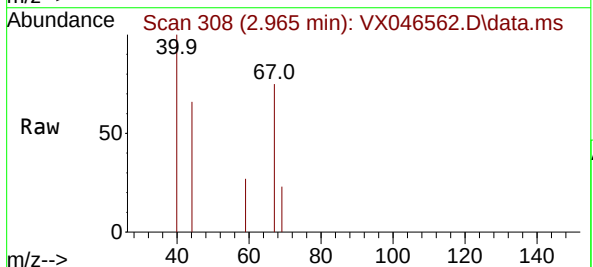
Instrument :
MSVOA_X
ClientSampleId :
TP-N

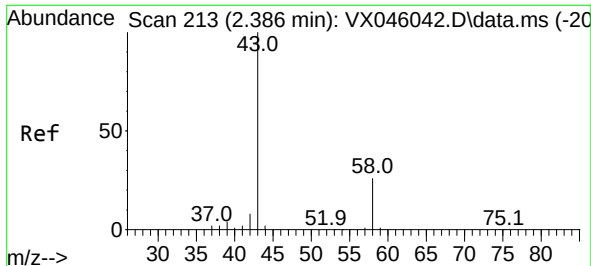
Tgt Ion: 74 Resp: 27513
Ion Ratio Lower Upper
74 100
45 104.1 54.9 164.8



#11
Tert butyl alcohol
Concen: 0.242 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

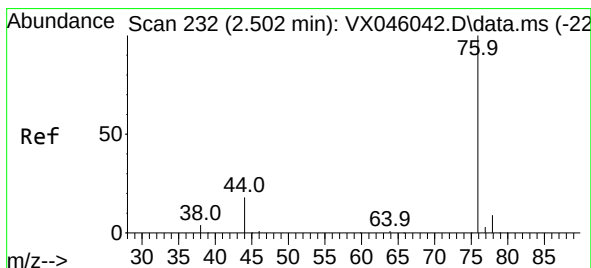
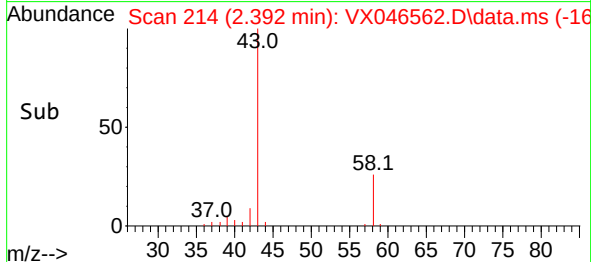
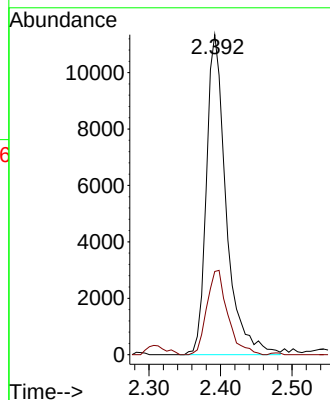
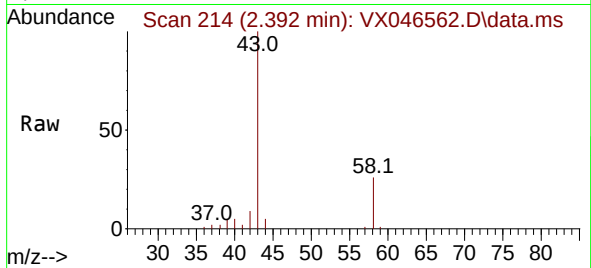




#16
Acetone
Concen: 30.691 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

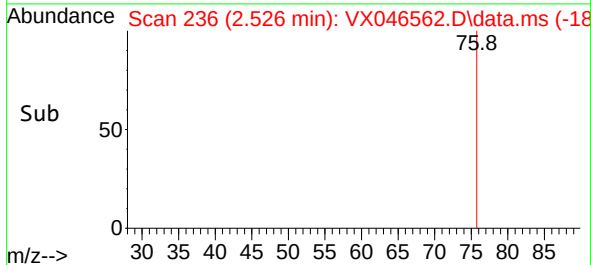
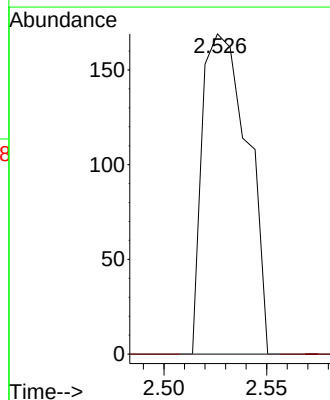
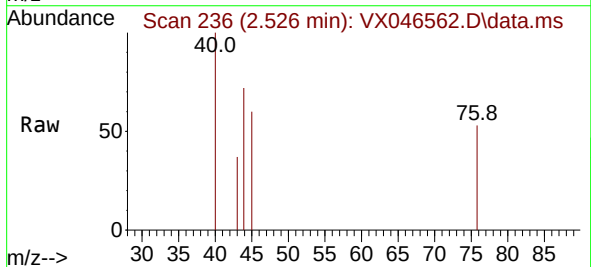
Instrument :
MSVOA_X
ClientSampleId :
TP-N

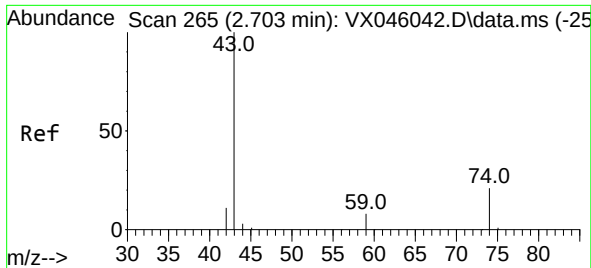
Tgt Ion: 43 Resp: 21769
Ion Ratio Lower Upper
43 100
58 26.0 21.2 31.8



#17
Carbon Disulfide
Concen: 0.289 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 76 Resp: 258
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

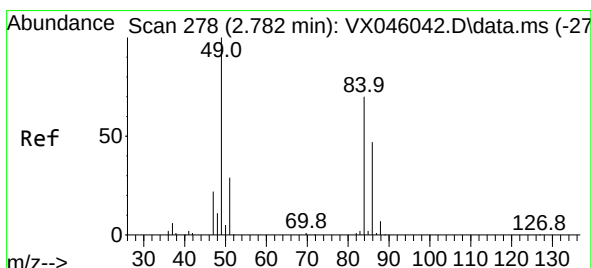
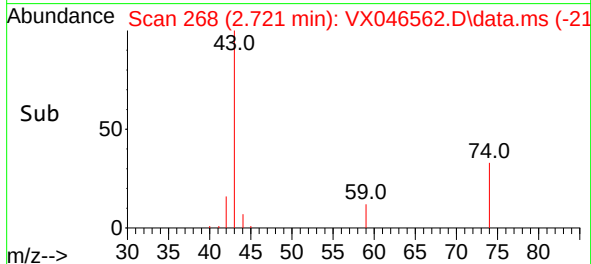
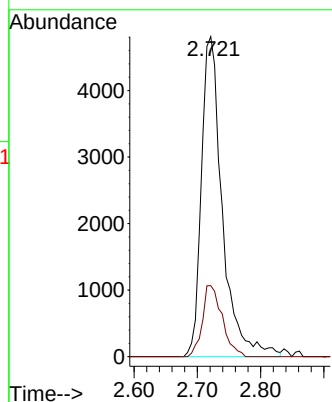
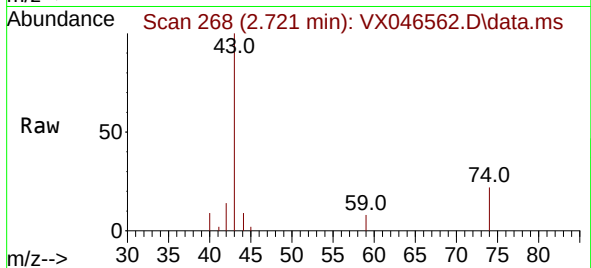




#18
Methyl Acetate
Concen: 4.459 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

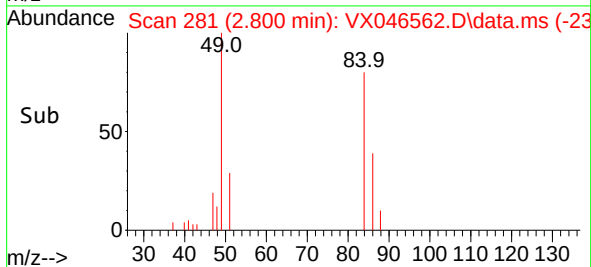
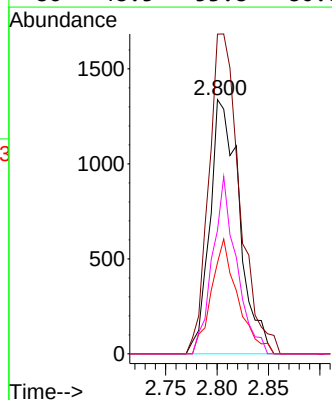
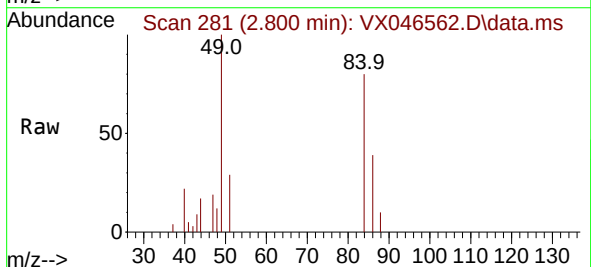
Instrument :
MSVOA_X
ClientSampleId :
TP-N

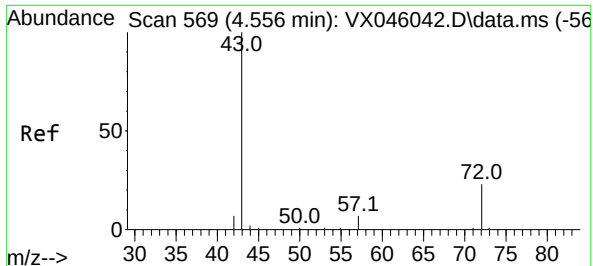
Tgt Ion: 43 Resp: 11075
Ion Ratio Lower Upper
43 100
74 21.1 16.7 25.1



#20
Methylene Chloride
Concen: 1.600 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 84 Resp: 2677
Ion Ratio Lower Upper
84 100
49 125.7 113.9 170.9
51 35.8 33.5 50.3
86 48.5 53.8 80.8#





#25

2-Butanone

Concen: 1.887 ug/l

RT: 4.611 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX046562.D

Acq: 07 Jun 2025 07:01

Instrument :

MSVOA_X

ClientSampleId :

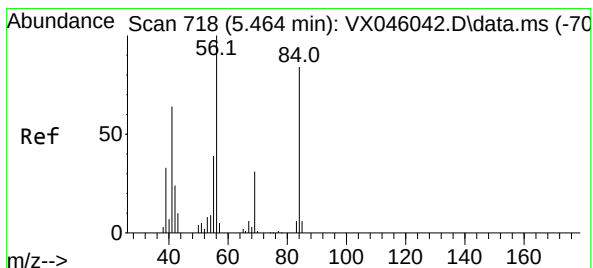
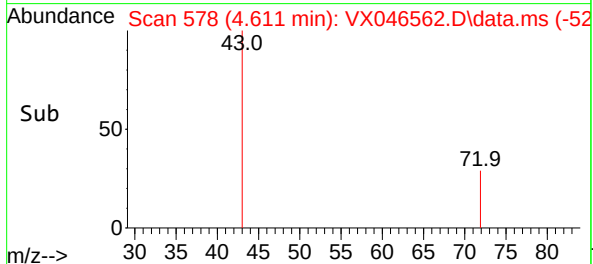
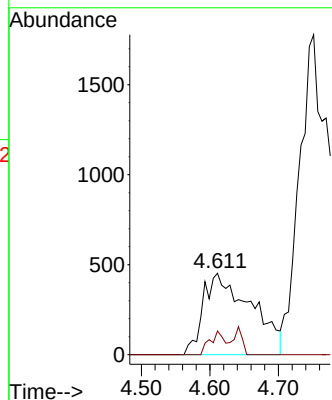
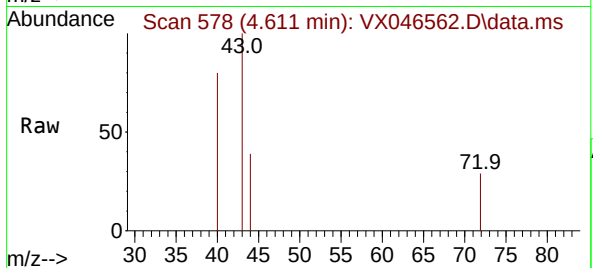
TP-N

Tgt Ion: 43 Resp: 2190

Ion Ratio Lower Upper

43 100

72 29.1 18.4 27.6#



#31

Cyclohexane

Concen: 1.302 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.067 min

Lab File: VX046562.D

Acq: 07 Jun 2025 07:01

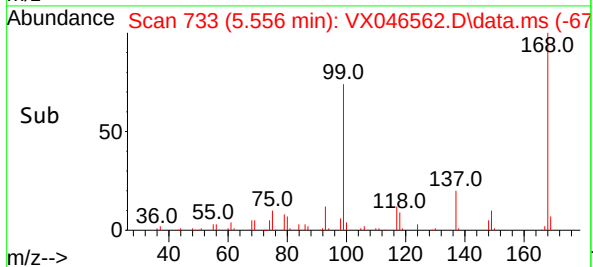
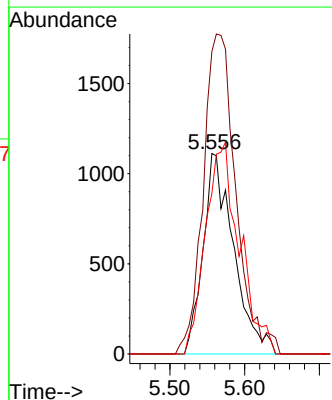
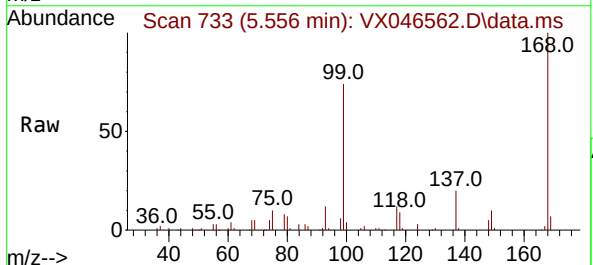
Tgt Ion: 56 Resp: 3156

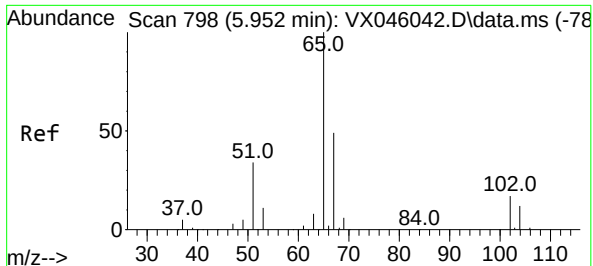
Ion Ratio Lower Upper

56 100

69 150.8 24.4 36.6#

84 80.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 48.245 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.006 min

Lab File: VX046562.D

Acq: 07 Jun 2025 07:01

Instrument :

MSVOA_X

ClientSampleId :

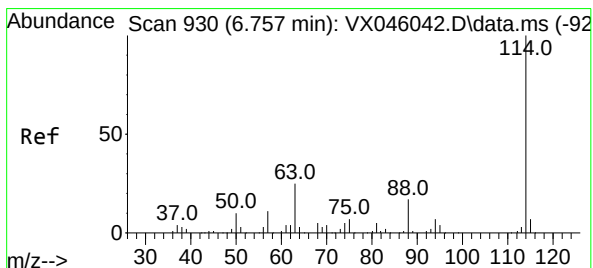
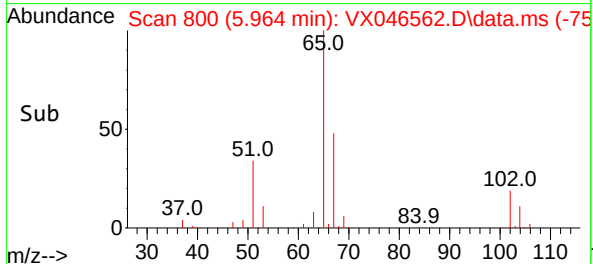
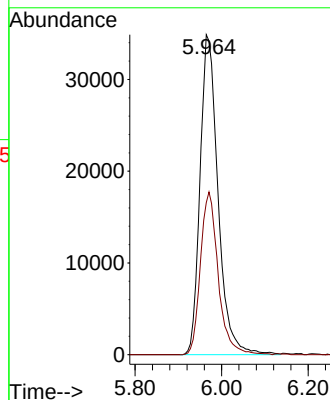
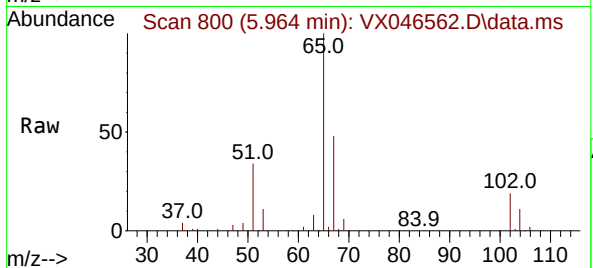
TP-N

Tgt Ion: 65 Resp: 100601

Ion Ratio Lower Upper

65 100

67 50.2 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: VX046562.D

Acq: 07 Jun 2025 07:01

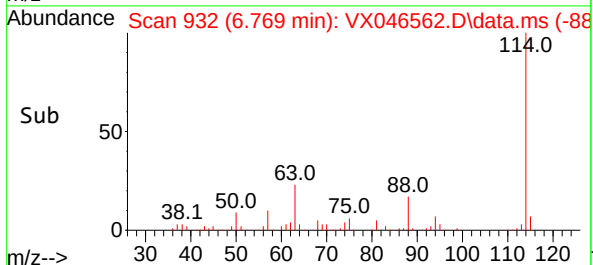
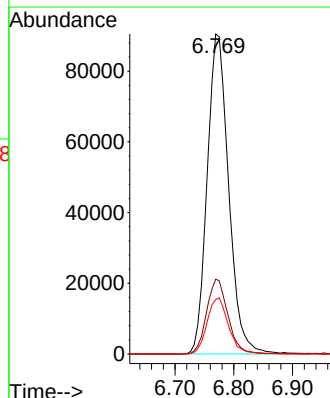
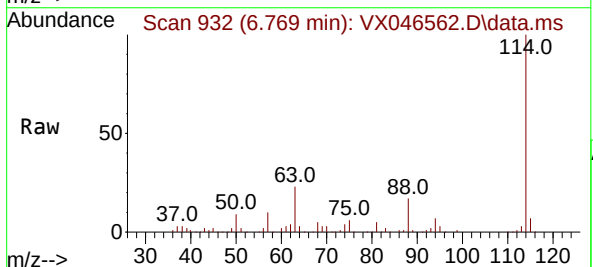
Tgt Ion: 114 Resp: 229920

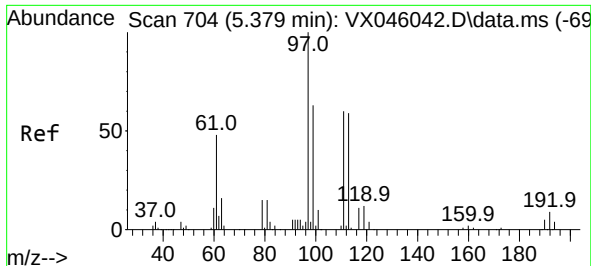
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.2

88 17.0 0.0 33.6

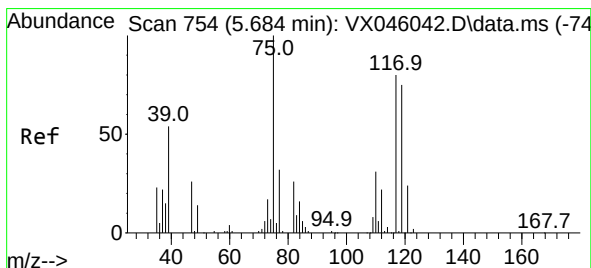
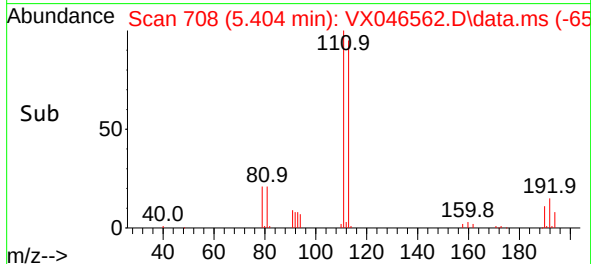
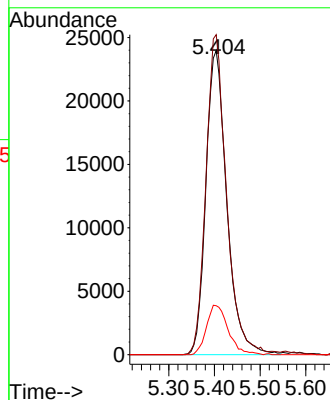
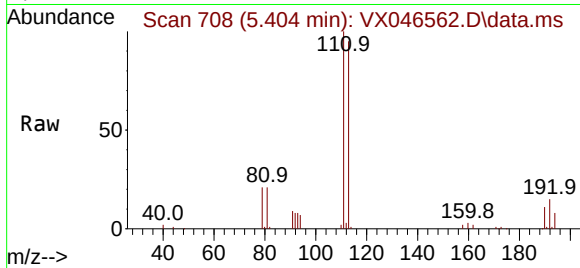




#35
Dibromofluoromethane
Concen: 45.103 ug/l
RT: 5.404 min Scan# 704
Delta R.T. 0.001 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

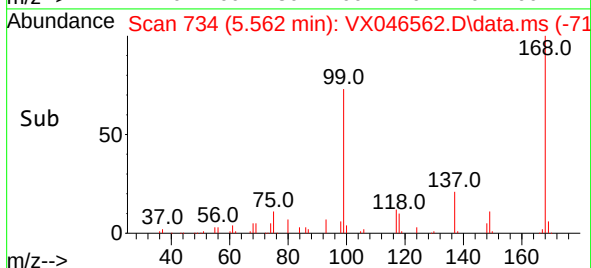
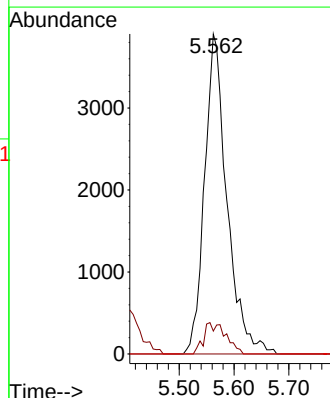
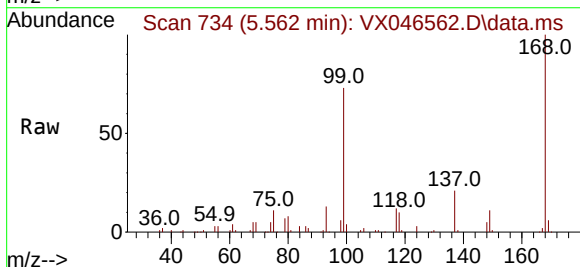
Instrument :
MSVOA_X
ClientSampleId :
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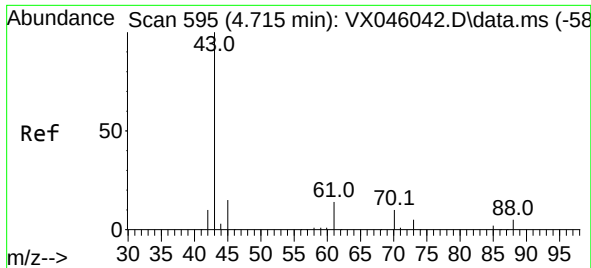
Tgt Ion:113 Resp: 76262
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 75 Resp: 11053
Ion Ratio Lower Upper
75 100
110 9.7 16.3 48.9#
77 0.0 24.3 36.5#

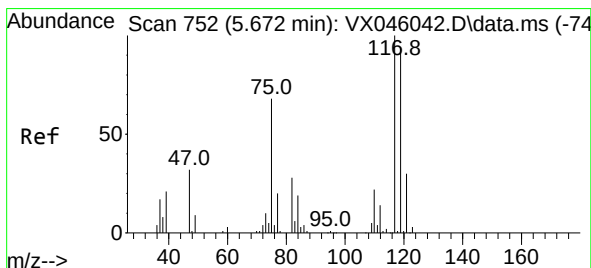
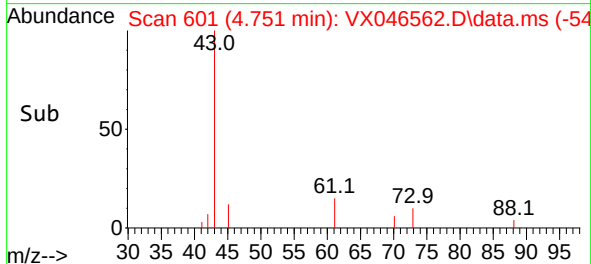
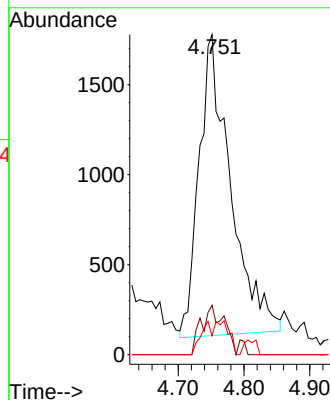
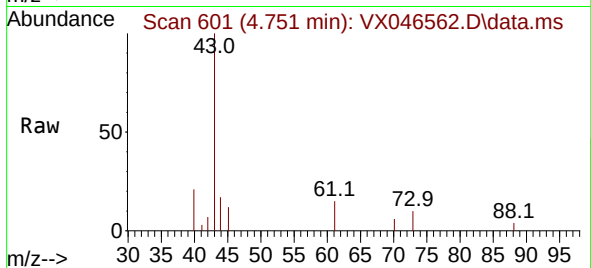




#37
Ethyl Acetate
Concen: 2.365 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

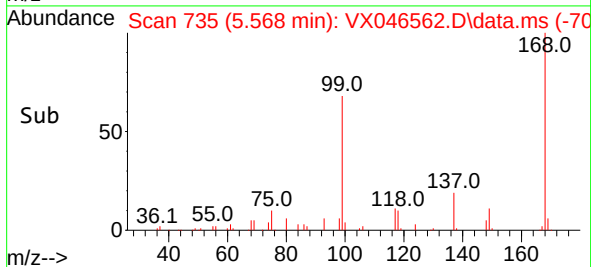
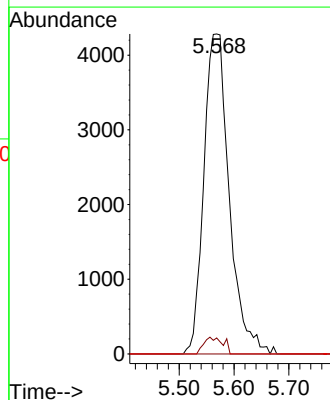
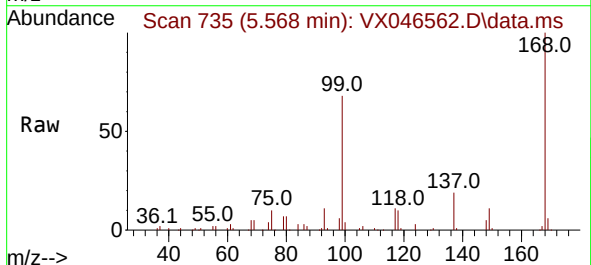
Instrument :
MSVOA_X
ClientSampleId :
TP-N

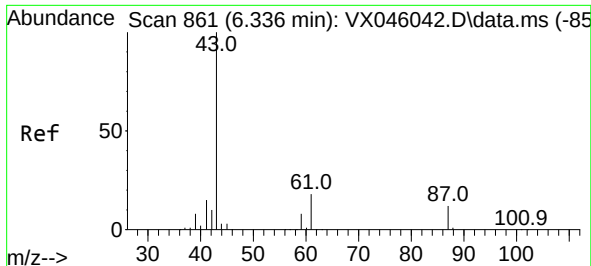
Tgt Ion: 43 Resp: 5575
Ion Ratio Lower Upper
43 100
61 11.8 10.3 15.5
70 3.9 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.102 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 117 Resp: 13803
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.2 36.4#

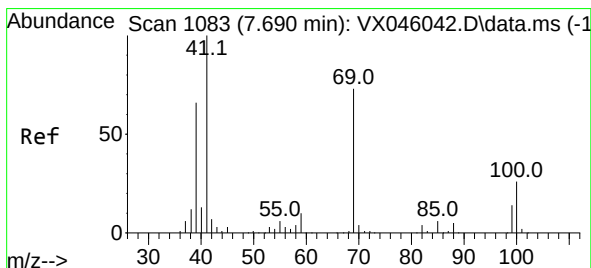
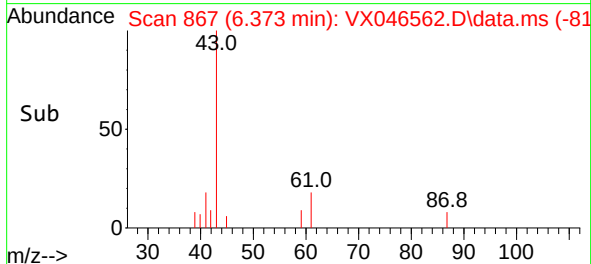
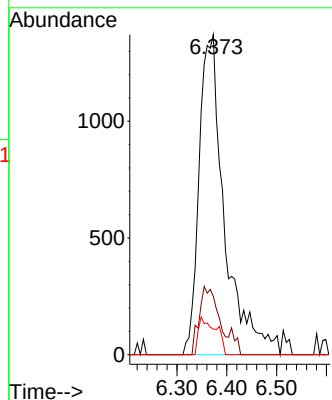
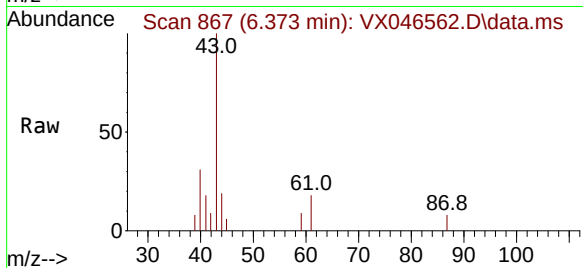




#43
Isopropyl Acetate
Concen: 1.184 ug/l
RT: 6.373 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

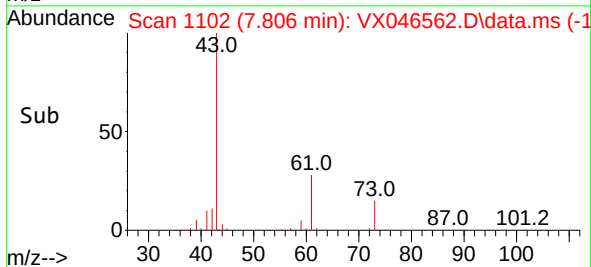
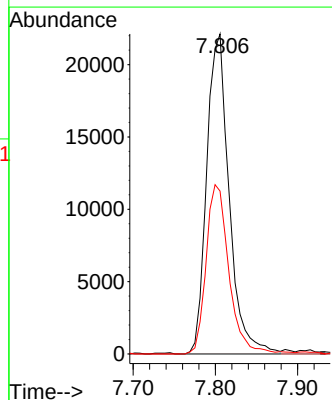
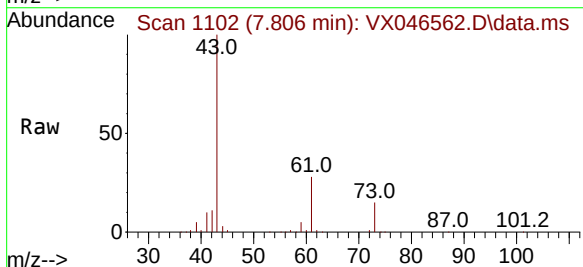
Instrument :
MSVOA_X
ClientSampleId :
TP-N

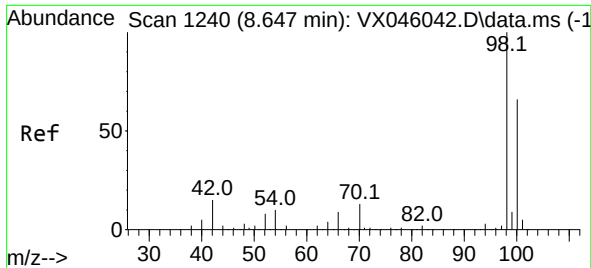
Tgt Ion: 43 Resp: 4866
Ion Ratio Lower Upper
43 100
61 0.0 14.3 21.5#
87 0.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 19.830 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 41 Resp: 41929
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.0 51.7 77.5

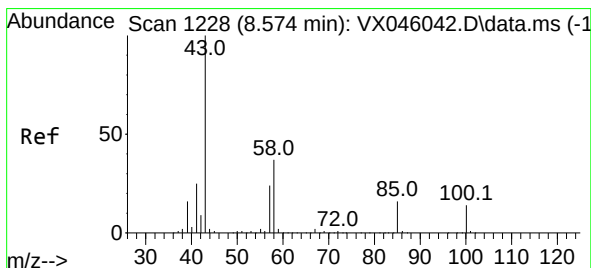
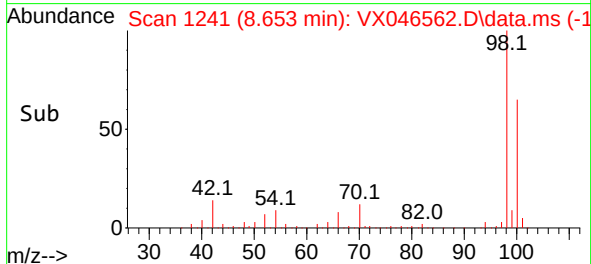
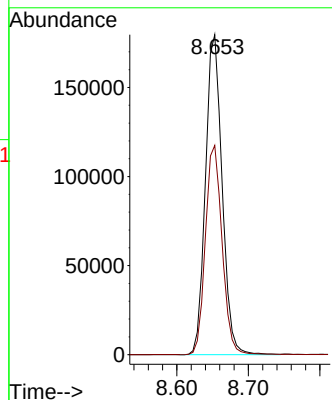
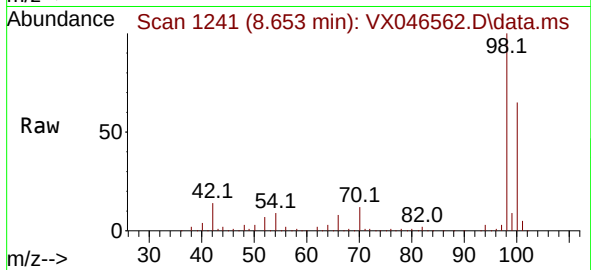




#50
Toluene-d8
Concen: 52.161 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

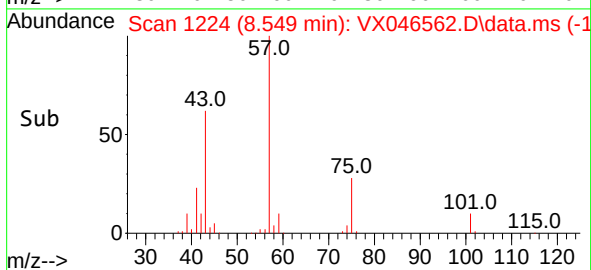
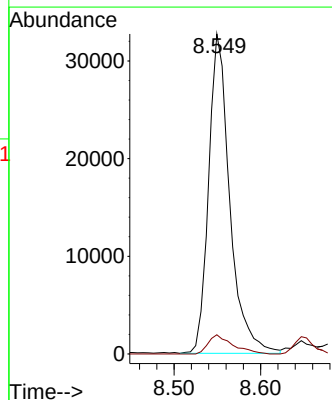
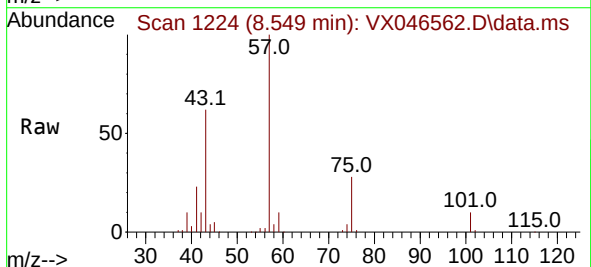
Instrument :
MSVOA_X
ClientSampleId :
TP-N

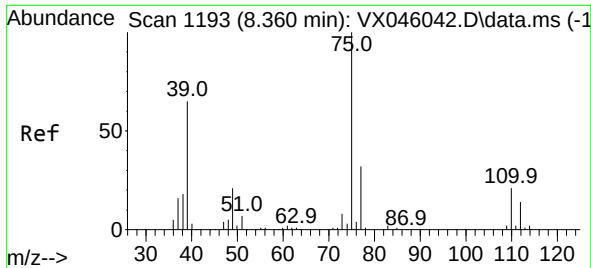
Tgt Ion: 98 Resp: 290767
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 21.192 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 43 Resp: 55341
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#

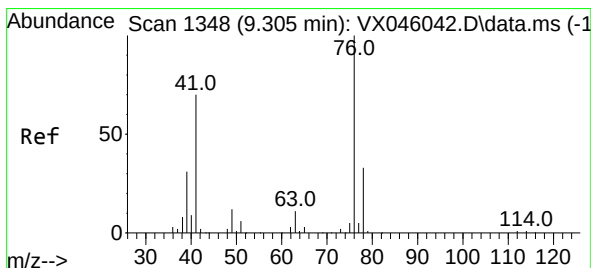
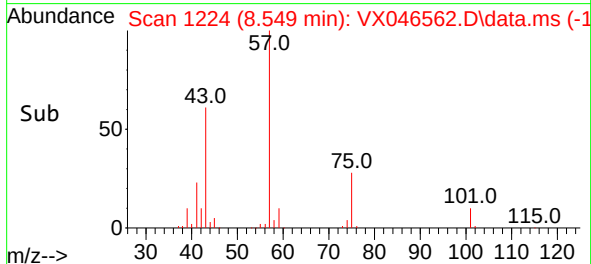
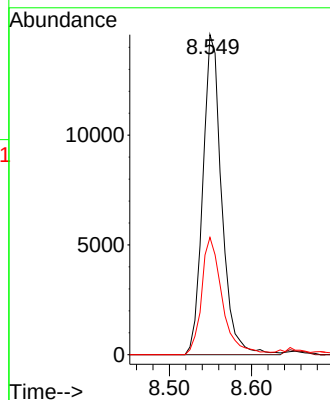
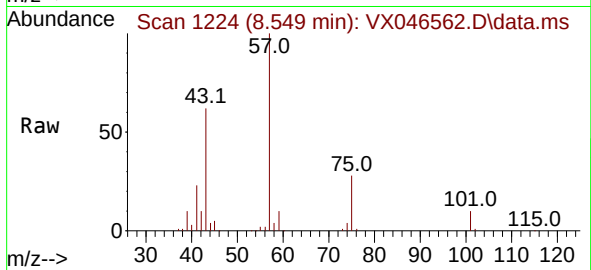




#54
 cis-1,3-Dichloropropene
 Concen: 8.567 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046562.D
 Acq: 07 Jun 2025 07:01

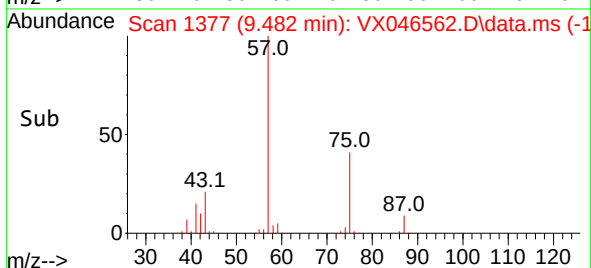
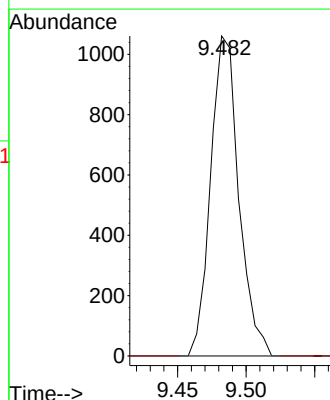
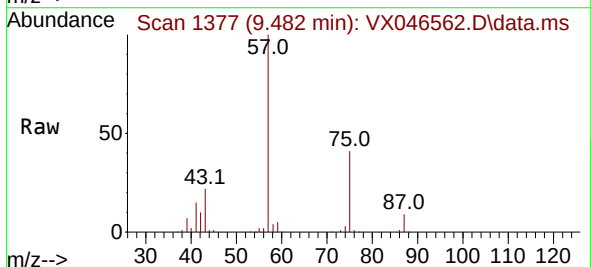
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-N

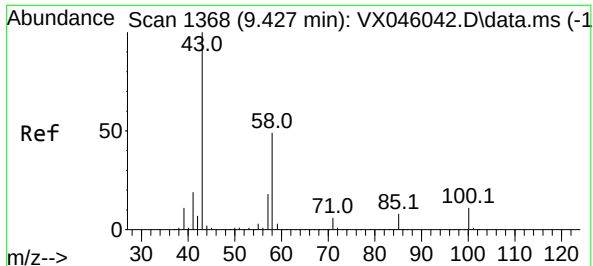
Tgt Ion: 75 Resp: 23184
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 36.6 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.512 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046562.D
 Acq: 07 Jun 2025 07:01

Tgt Ion: 76 Resp: 1518
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

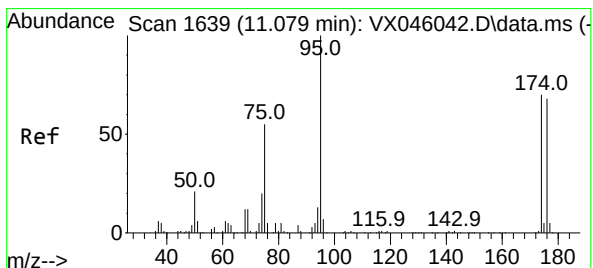
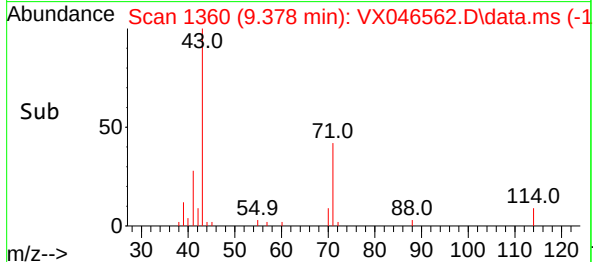
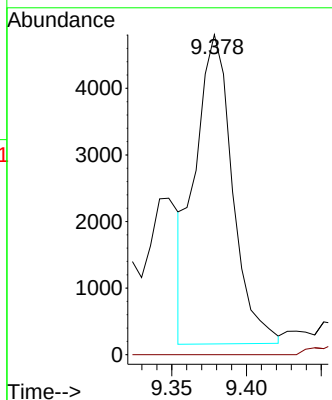
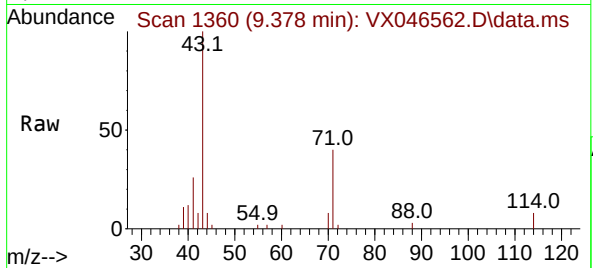




#59
2-Hexanone
Concen: 4.301 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

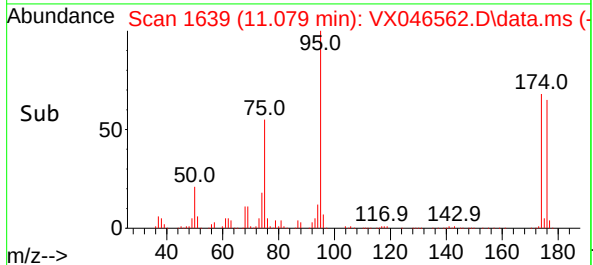
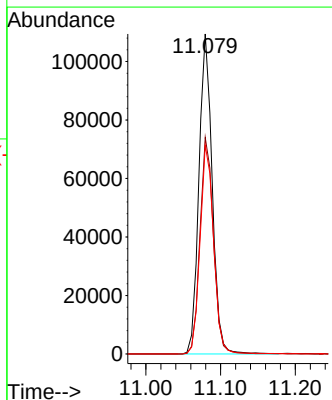
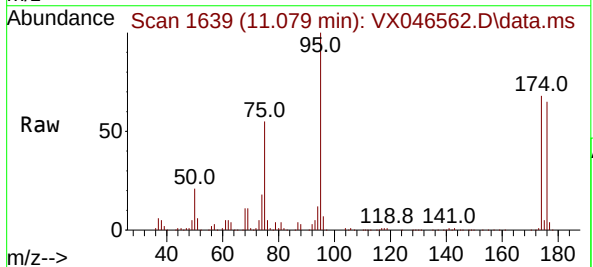
Instrument :
MSVOA_X
ClientSampleId :
TP-N

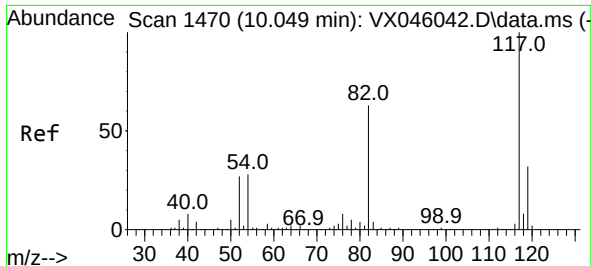
Tgt Ion: 43 Resp: 8056
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 58.399 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 95 Resp: 134690
Ion Ratio Lower Upper
95 100
174 69.0 0.0 135.8
176 66.6 0.0 131.4

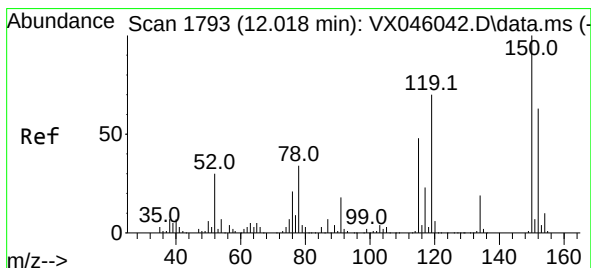
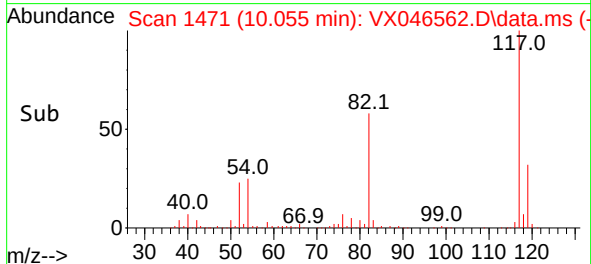
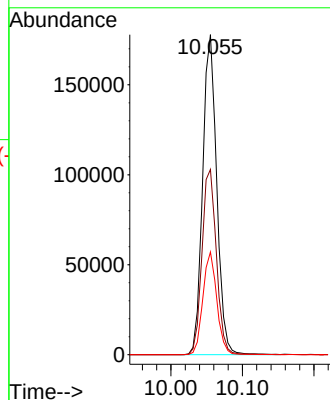
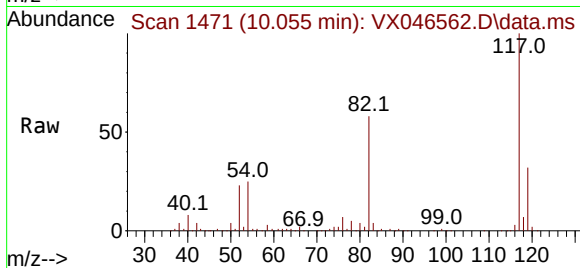




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

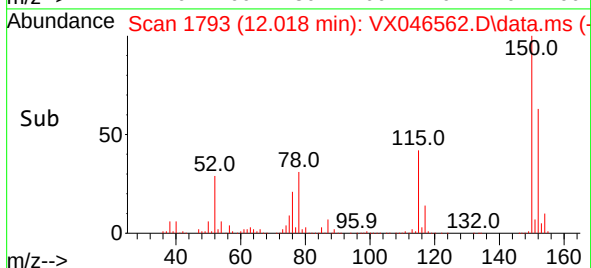
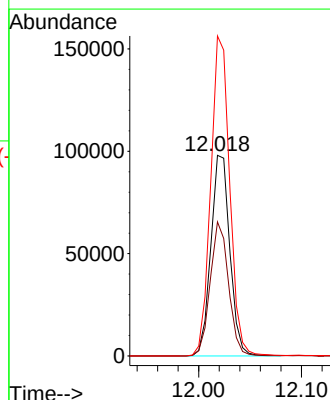
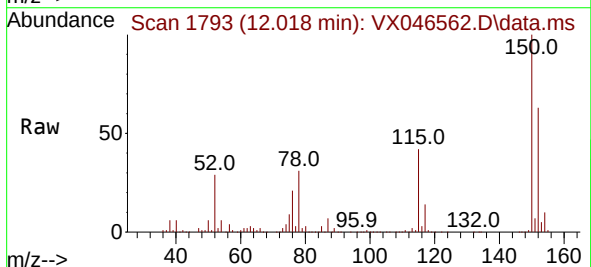
Instrument :
MSVOA_X
ClientSampleId :
TP-N

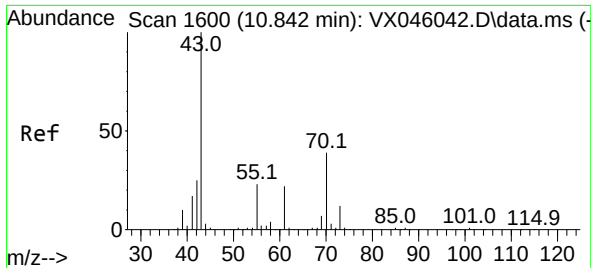
Tgt Ion:117 Resp: 243294
Ion Ratio Lower Upper
117 100
82 57.9 50.6 76.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion:152 Resp: 125809
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 159.0 0.0 351.0

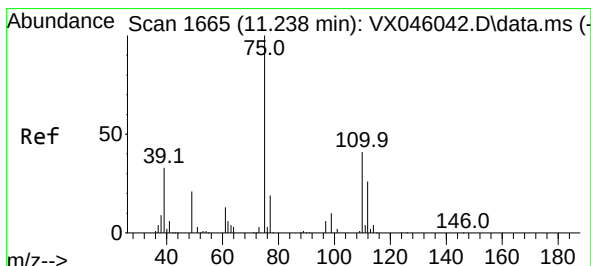
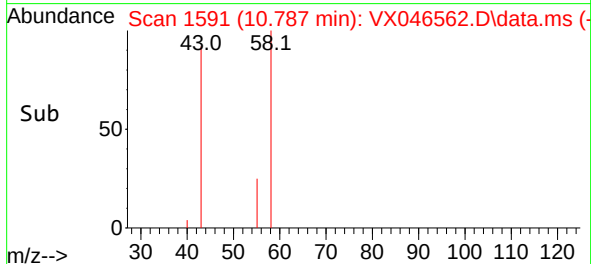
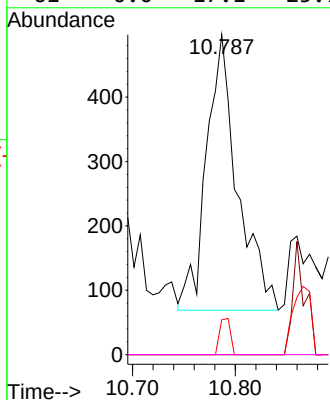
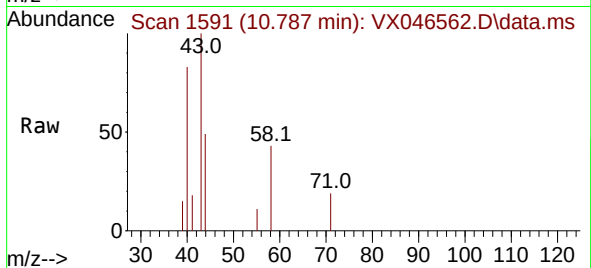




#74
N-amy1 acetate
Concen: 0.206 ug/l
RT: 10.787 min Scan# 1639
Delta R.T. -0.054 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

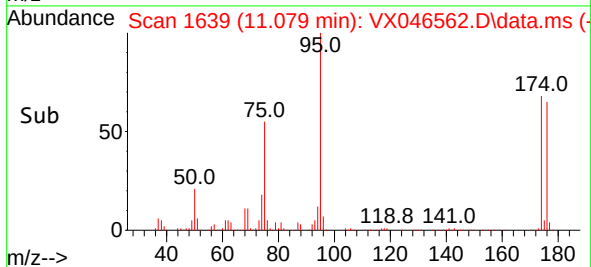
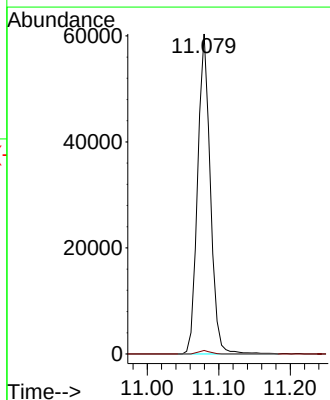
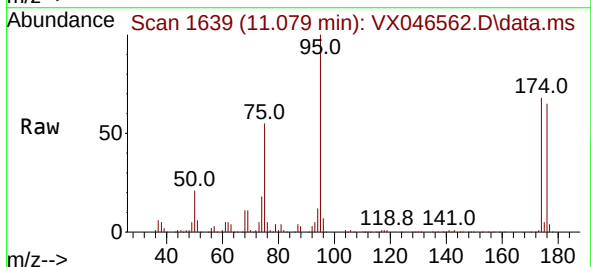
Instrument :
MSVOA_X
ClientSampleId :
TP-N

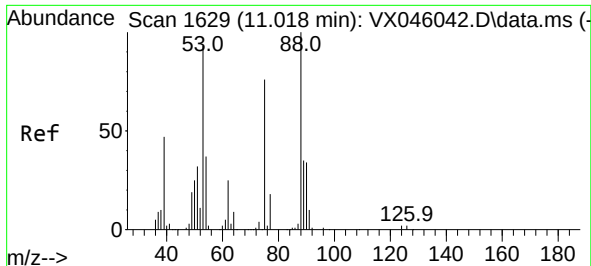
Tgt Ion: 43	Resp:	899
Ion	Ratio	Lower Upper
43	100	
70	0.0	30.9 46.3#
55	4.4	18.7 28.1#
61	0.0	17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 27.868 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 75	Resp:	74263
Ion	Ratio	Lower Upper
75	100	
77	1.0	20.5 61.5#

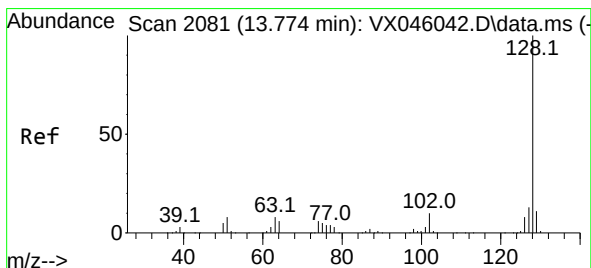
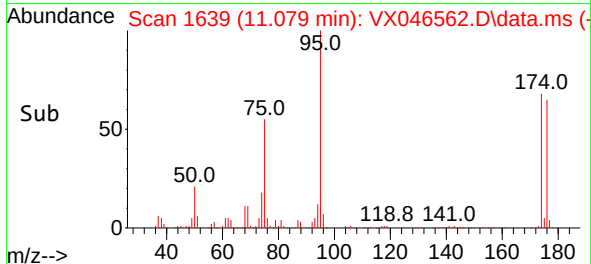
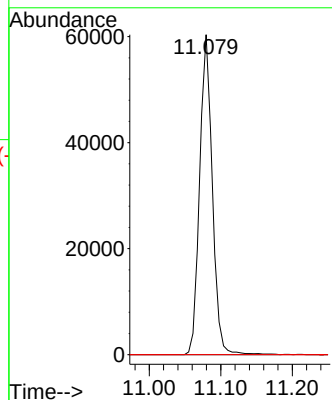
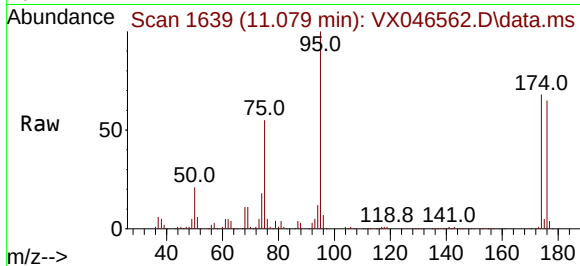




#81
trans-1,4-Dichloro-2-butene
Concen: 80.389 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Instrument :
MSVOA_X
ClientSampleId :
TP-N

Tgt Ion: 75 Resp: 74263
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 0.484 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046562.D
Acq: 07 Jun 2025 07:01

Tgt Ion: 128 Resp: 4506
Ion Ratio Lower Upper
128 100
127 9.3 10.4 15.6#
129 7.6 8.6 13.0#

