

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046561.D
 Acq On : 07 Jun 2025 06:40
 Operator : JC/MD
 Sample : Q2240-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Jun 07 07:04:36 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)

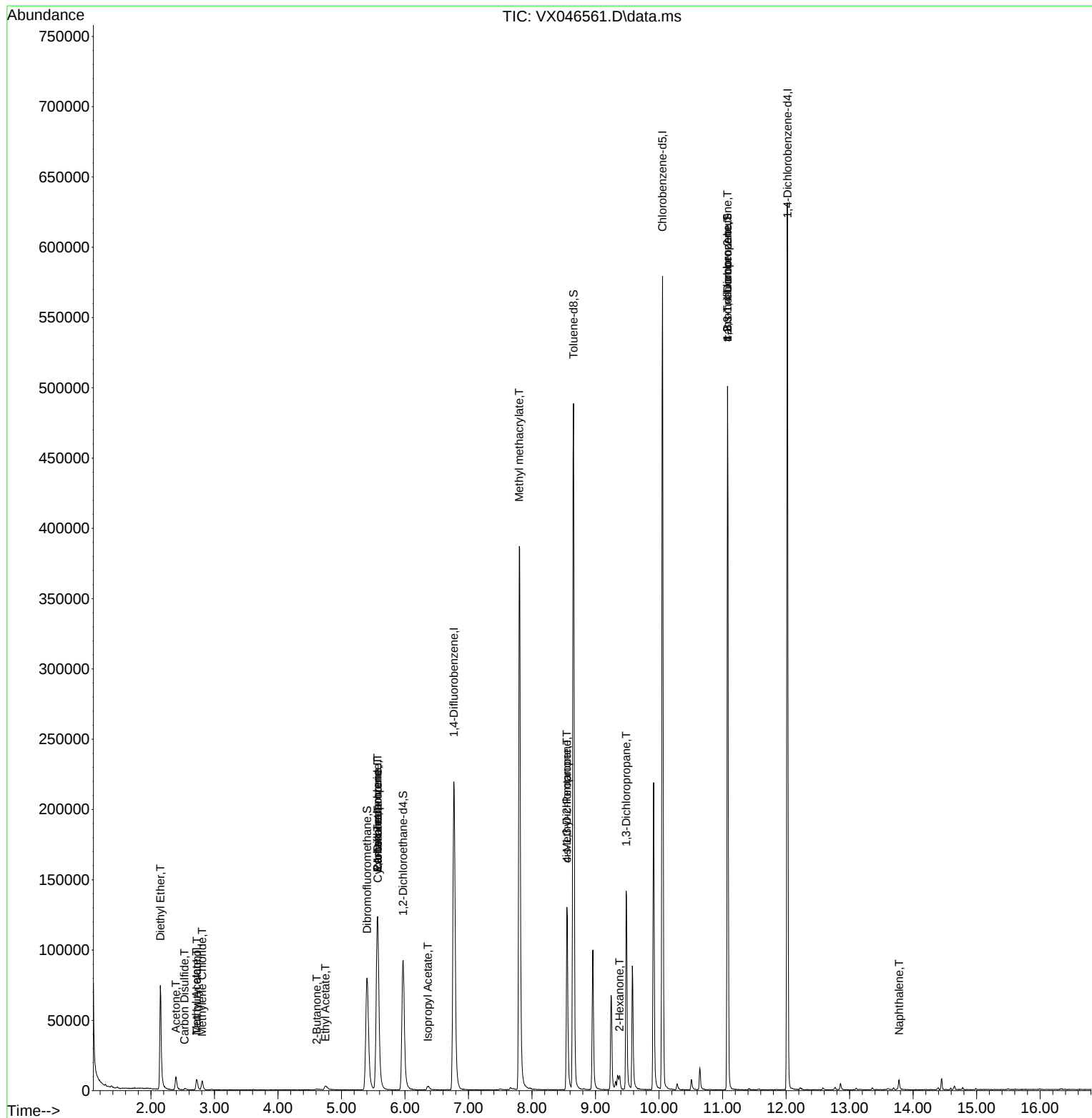
Internal Standards						
1) Pentafluorobenzene	5.568	168	115644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	226981	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	101017	49.099	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.200%
35) Dibromofluoromethane	5.403	113	75315	45.120	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.240%
50) Toluene-d8	8.653	98	289609	52.626	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.260%
62) 4-Bromofluorobenzene	11.079	95	132076	58.007	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.020%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.148	74	28148	33.053	ug/l	96
11) Tert butyl alcohol	2.721	59	896	3.925	ug/l #	72
16) Acetone	2.392	43	11674	18.778	ug/l	93
17) Carbon Disulfide	2.526	76	402	0.340	ug/l #	76
18) Methyl Acetate	2.715	43	11233	4.584	ug/l	100
20) Methylene Chloride	2.806	84	2916	1.767	ug/l	98
25) 2-Butanone	4.611	43	956	0.835	ug/l	97
31) Cyclohexane	5.574	56	3268	1.366	ug/l #	21
36) 1,1-Dichloropropene	5.568	75	10953	4.594	ug/l #	50
37) Ethyl Acetate	4.745	43	5987	2.573	ug/l #	92
38) Carbon Tetrachloride	5.568	117	13078	4.897	ug/l #	16
43) Isopropyl Acetate	6.360	43	4278	1.054	ug/l	98
48) Methyl methacrylate	7.799	41	39213	18.786	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	49849	19.336	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	20555	7.694	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1186	0.405	ug/l #	42
59) 2-Hexanone	9.378	43	10007	5.412	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	72068	28.098	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	72068	81.053	ug/l #	1
95) Naphthalene	13.780	128	5437	0.607	ug/l	99

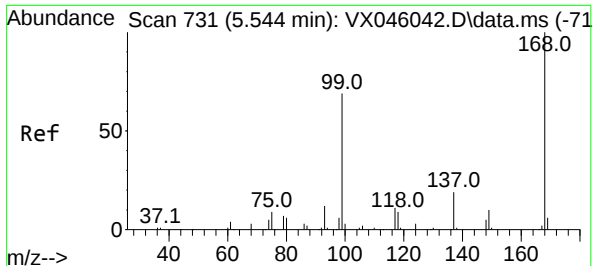
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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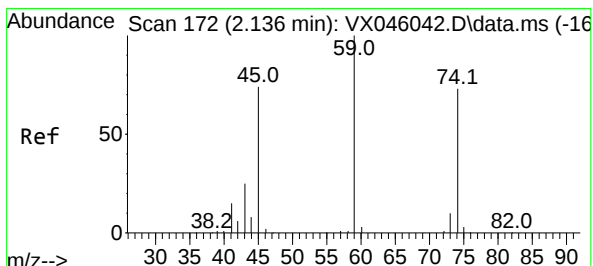
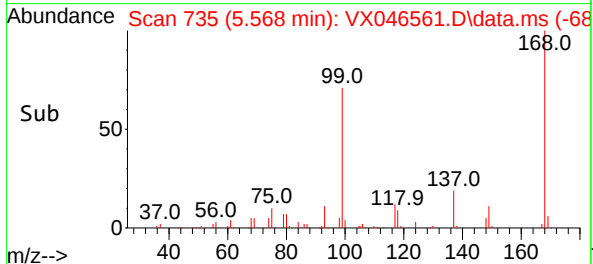
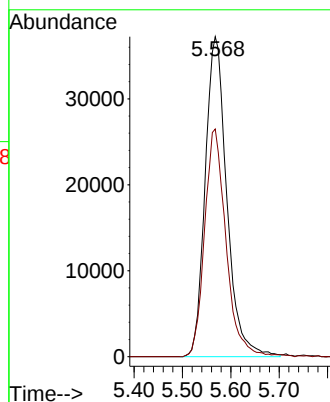
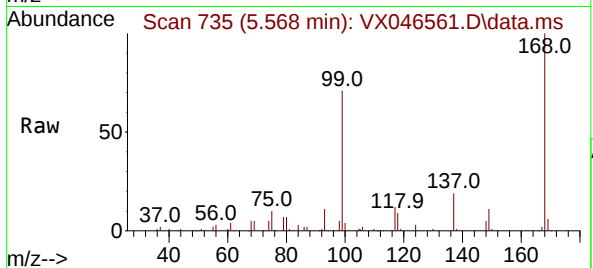




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

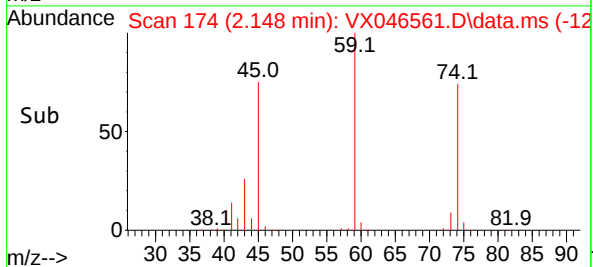
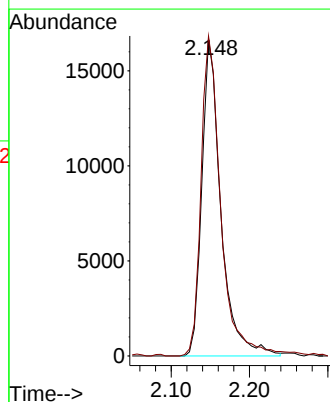
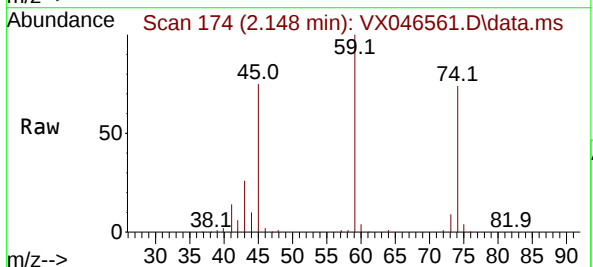
Instrument :
MSVOA_X
ClientSampleId :
TP-1

Tgt Ion:168 Resp: 115644
Ion Ratio Lower Upper
168 100
99 71.2 54.9 82.3



#8
Diethyl Ether
Concen: 33.053 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 74 Resp: 28148
Ion Ratio Lower Upper
74 100
45 105.5 54.9 164.8





#11

Tert butyl alcohol

Concen: 3.925 ug/l

RT: 2.721 min Scan# 21

Delta R.T. -0.250 min

Lab File: VX046561.D

Acq: 07 Jun 2025 06:40

Instrument :

MSVOA_X

ClientSampleId :

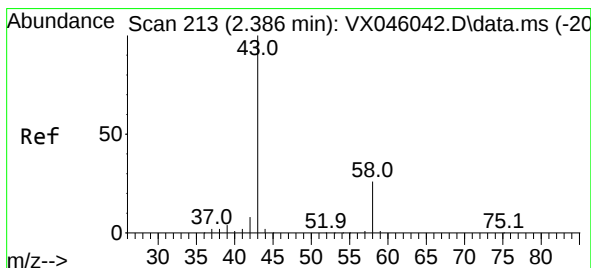
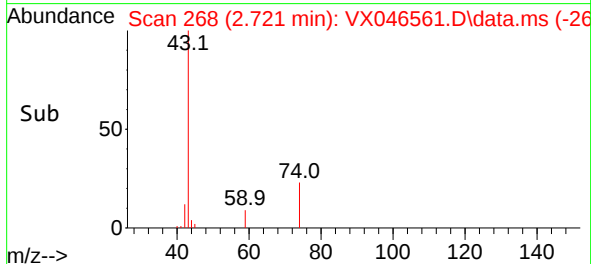
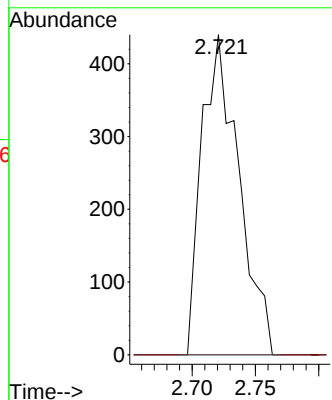
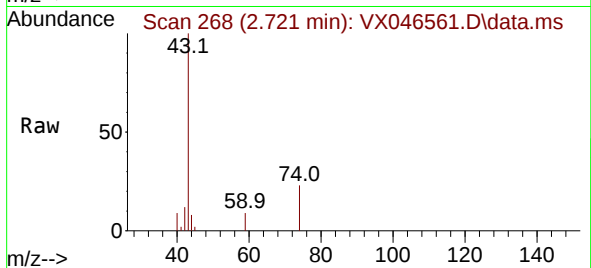
TP-1

Tgt Ion: 59 Resp: 896

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 18.778 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX046561.D

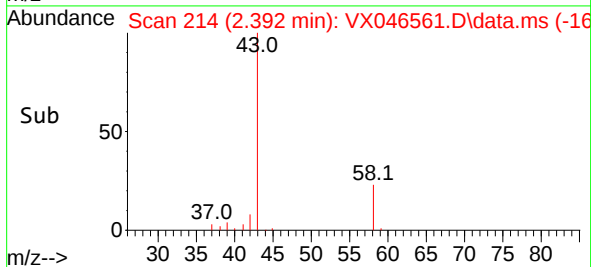
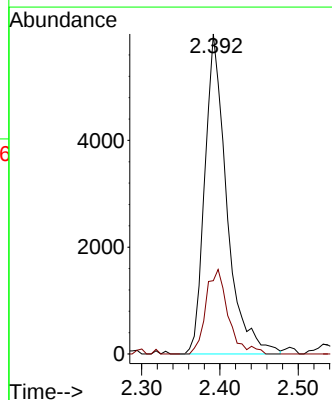
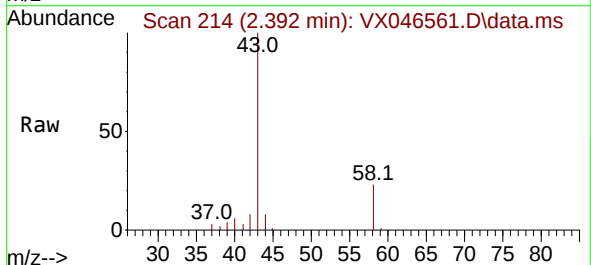
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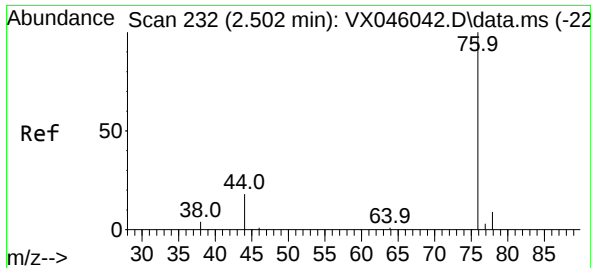
Tgt Ion: 43 Resp: 11674

Ion Ratio Lower Upper

43 100

58 22.9 21.2 31.8

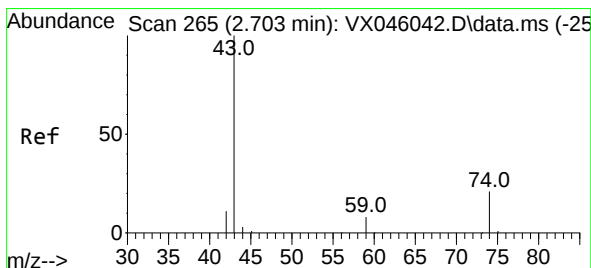
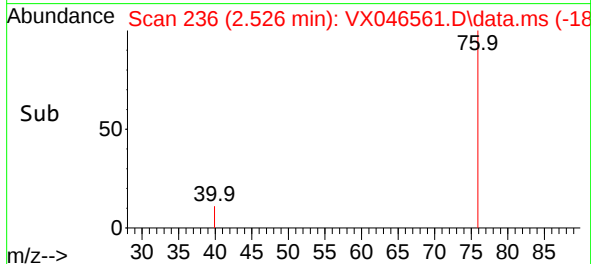
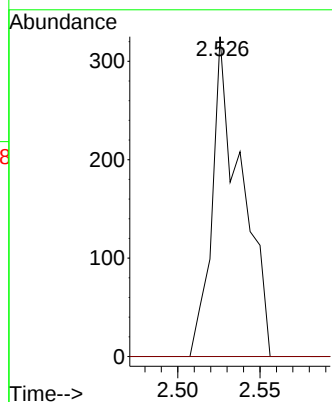
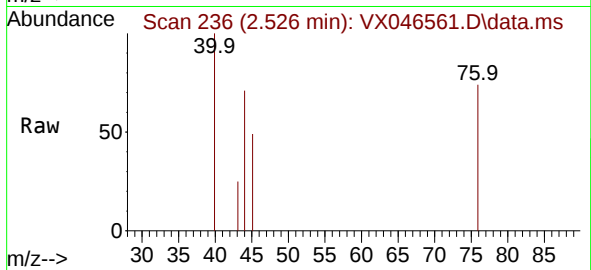




#17
Carbon Disulfide
Concen: 0.340 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

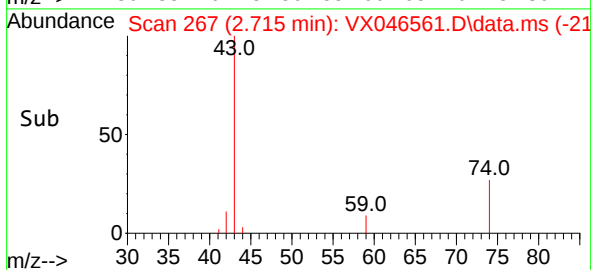
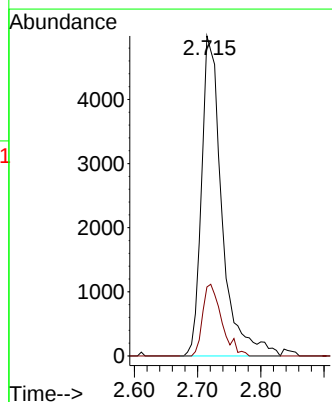
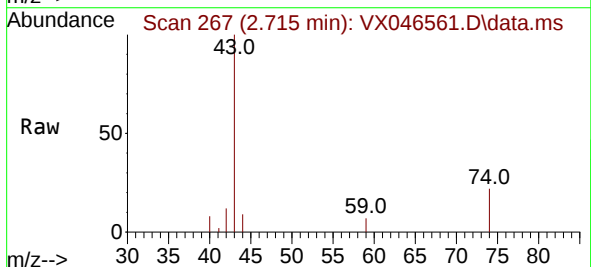
Instrument :
MSVOA_X
ClientSampleId :
TP-1

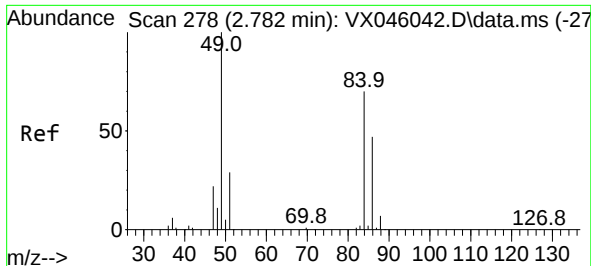
Tgt Ion: 76 Resp: 402
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 4.584 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 43 Resp: 11233
Ion Ratio Lower Upper
43 100
74 20.8 16.7 25.1





#20

Methylene Chloride

Concen: 1.767 ug/l

RT: 2.806 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046561.D

Acq: 07 Jun 2025 06:40

Instrument :

MSVOA_X

ClientSampleId :

TP-1

Tgt Ion: 84 Resp: 2916

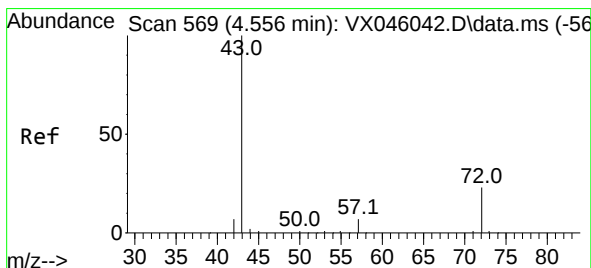
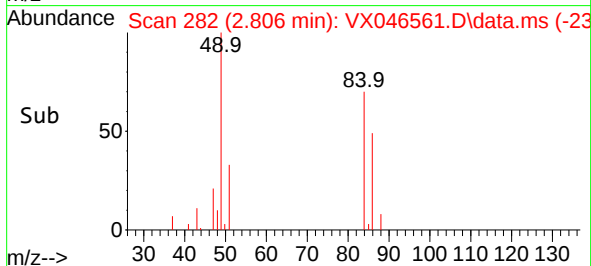
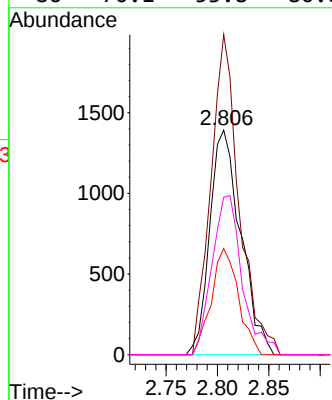
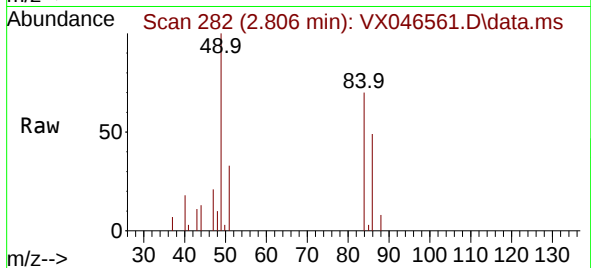
Ion Ratio Lower Upper

84 100

49 142.4 113.9 170.9

51 47.2 33.5 50.3

86 70.1 53.8 80.8



#25

2-Butanone

Concen: 0.835 ug/l

RT: 4.611 min Scan# 578

Delta R.T. 0.037 min

Lab File: VX046561.D

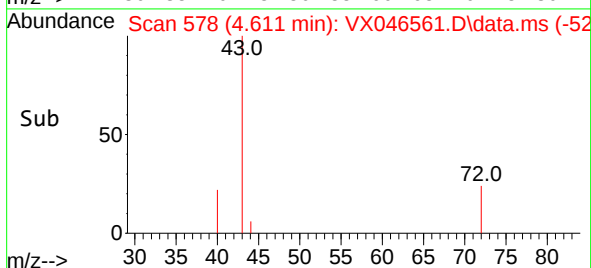
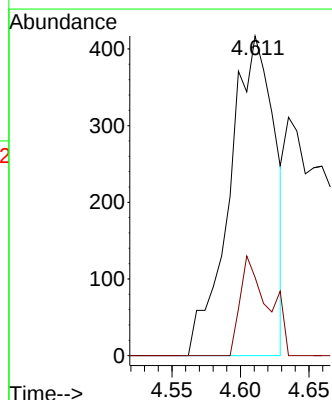
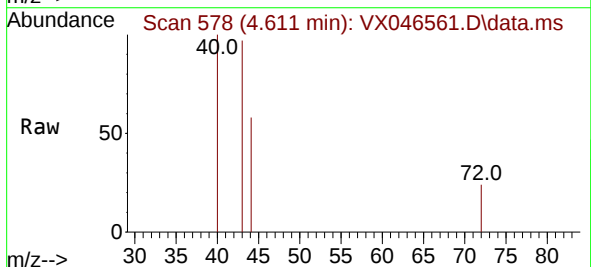
Acq: 07 Jun 2025 06:40

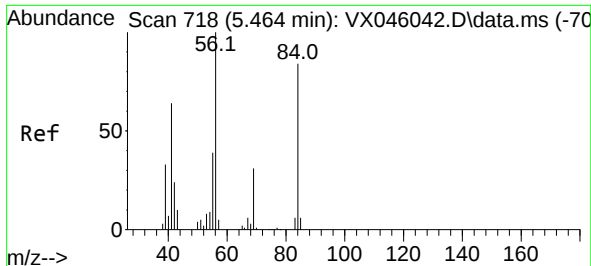
Tgt Ion: 43 Resp: 956

Ion Ratio Lower Upper

43 100

72 24.5 18.4 27.6

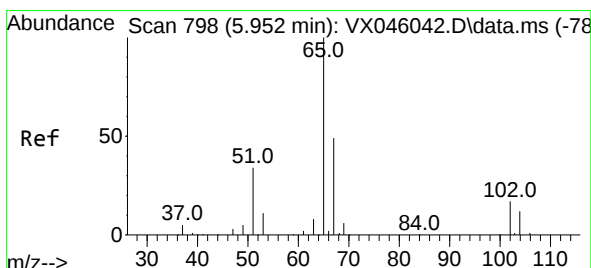
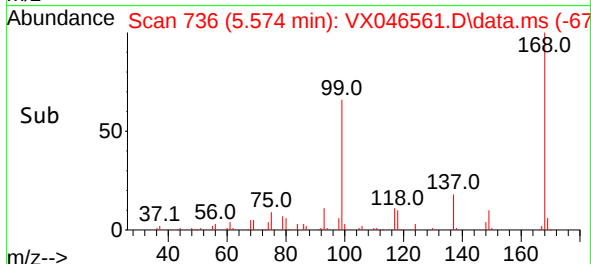
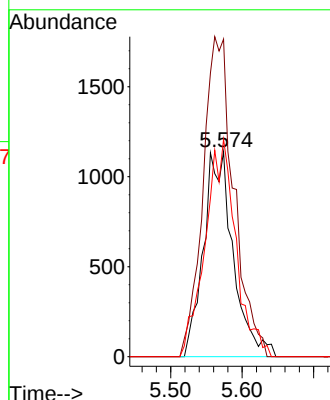
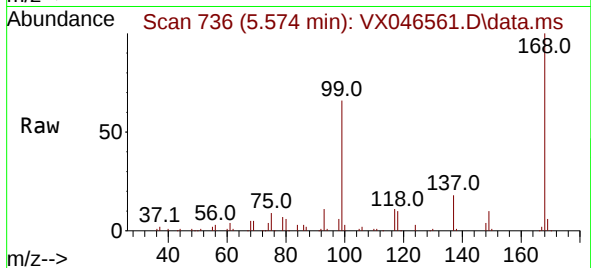




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.574 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

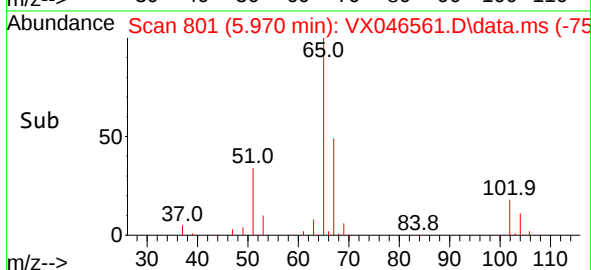
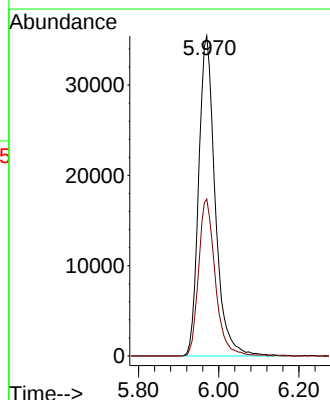
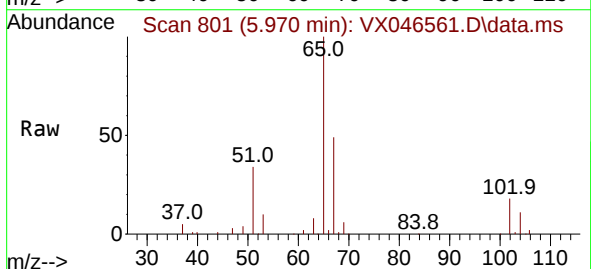
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ClientSampleId :
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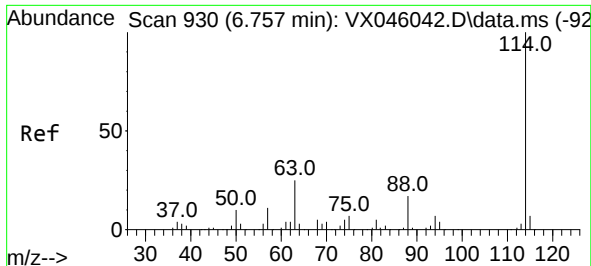
Tgt Ion: 56 Resp: 3268
Ion Ratio Lower Upper
56 100
69 154.8 24.4 36.6#
84 106.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 49.099 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 65 Resp: 101017
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

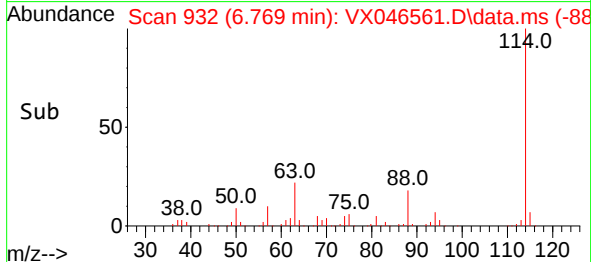
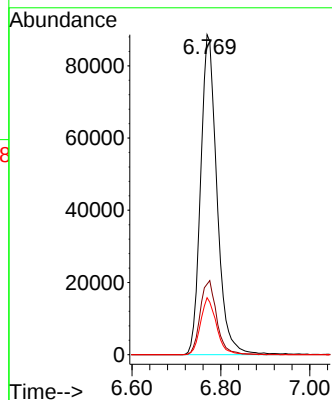
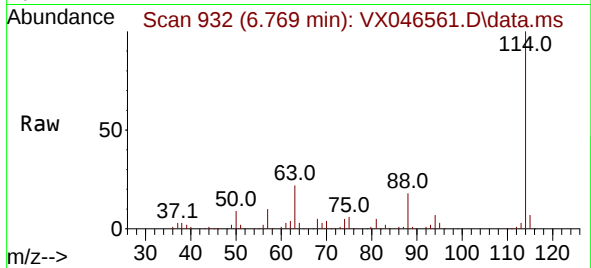




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

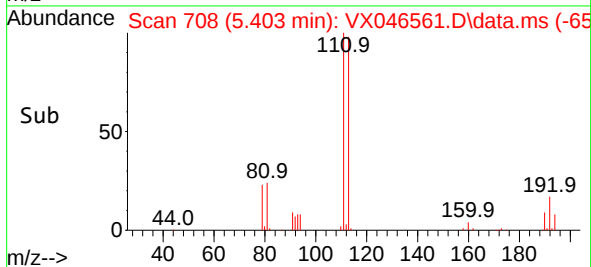
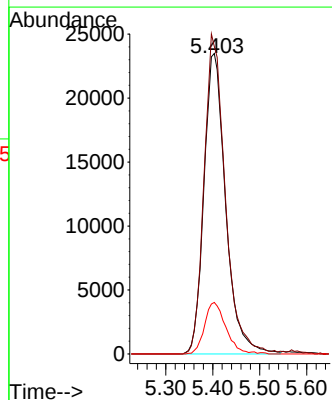
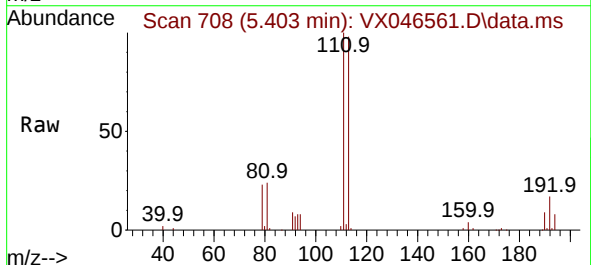
Instrument :
MSVOA_X
ClientSampleId :
TP-1

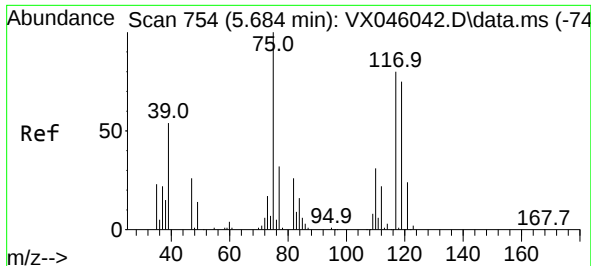
Tgt Ion:114 Resp: 226981
Ion Ratio Lower Upper
114 100
63 22.1 0.0 49.2
88 17.8 0.0 33.6



#35
Dibromofluoromethane
Concen: 45.120 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion:113 Resp: 75315
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 17.0 13.3 19.9

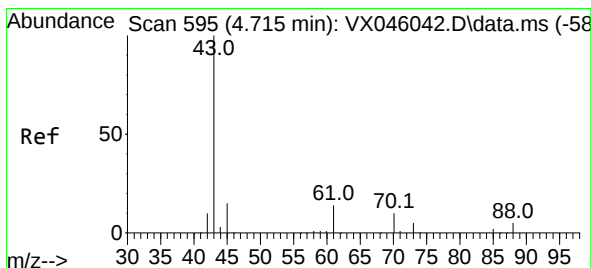
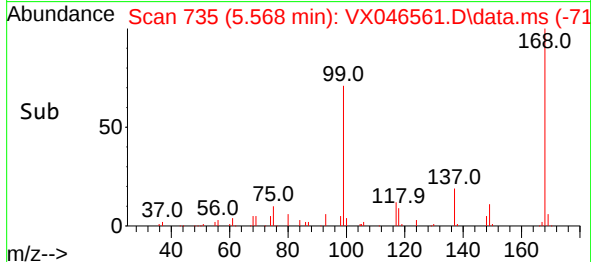
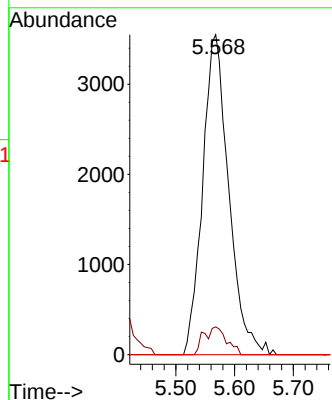
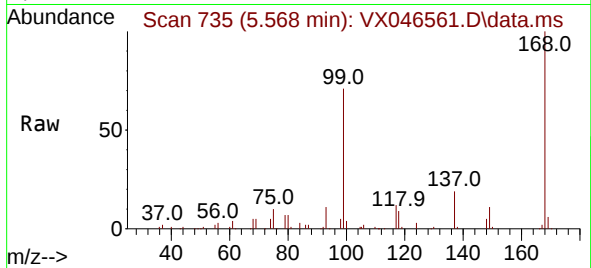




#36
1,1-Dichloropropene
Concen: 4.594 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

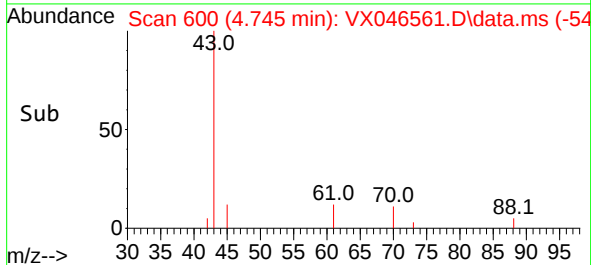
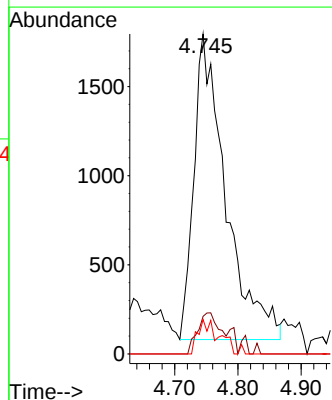
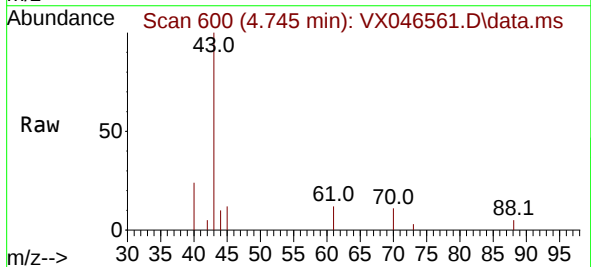
Instrument :
MSVOA_X
ClientSampleId :
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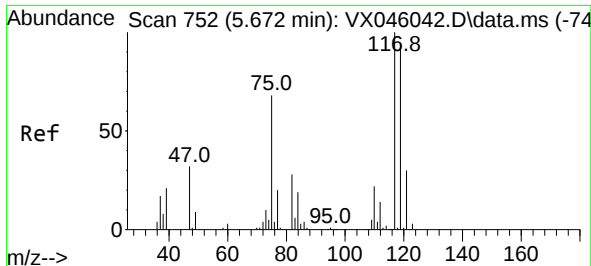
Tgt Ion: 75 Resp: 10953
Ion Ratio Lower Upper
75 100
110 7.6 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.573 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 43 Resp: 5987
Ion Ratio Lower Upper
43 100
61 11.2 10.3 15.5
70 5.6 7.9 11.9#

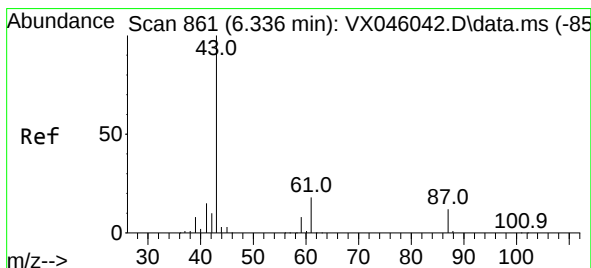
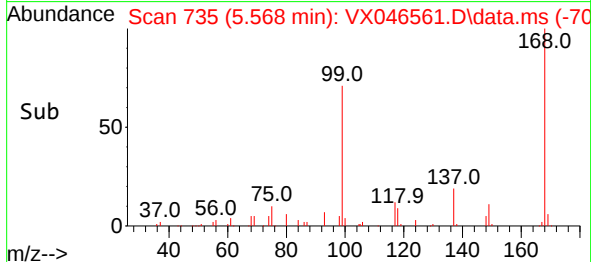
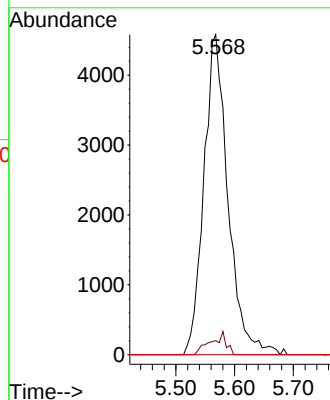
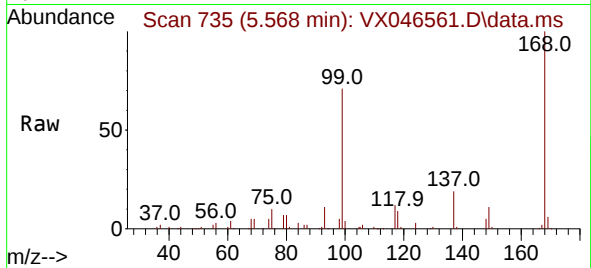




#38
Carbon Tetrachloride
Concen: 4.897 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

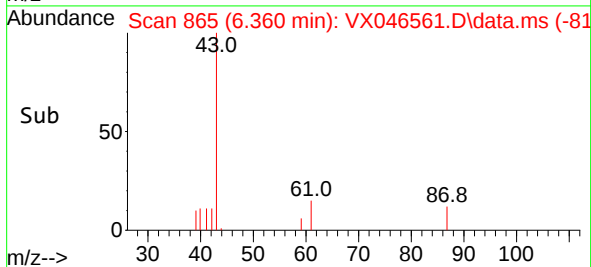
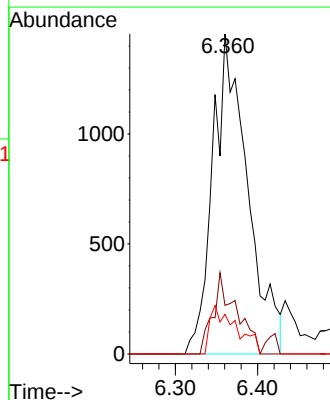
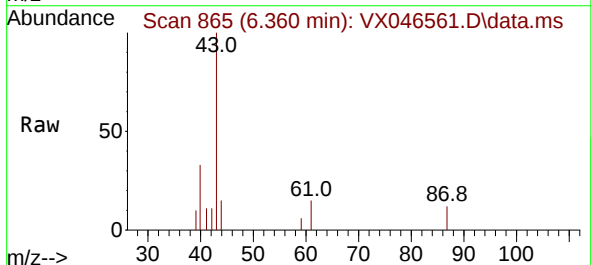
Instrument :
MSVOA_X
ClientSampleId :
TP-1

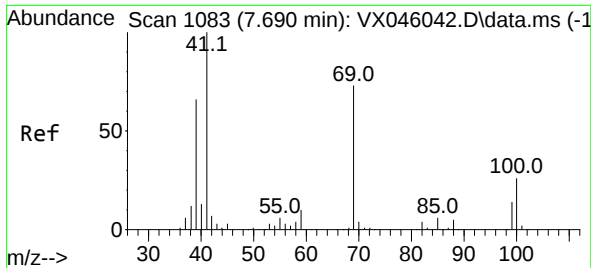
Tgt Ion:117 Resp: 13078
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.054 ug/l
RT: 6.360 min Scan# 865
Delta R.T. 0.006 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 43 Resp: 4278
Ion Ratio Lower Upper
43 100
61 17.1 14.3 21.5
87 11.3 9.5 14.3

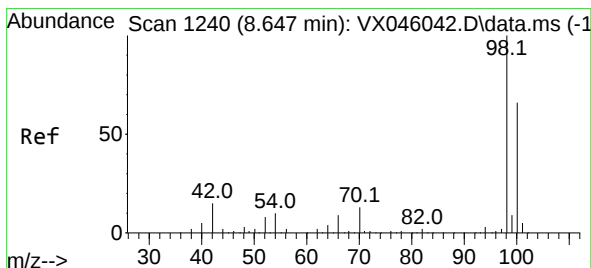
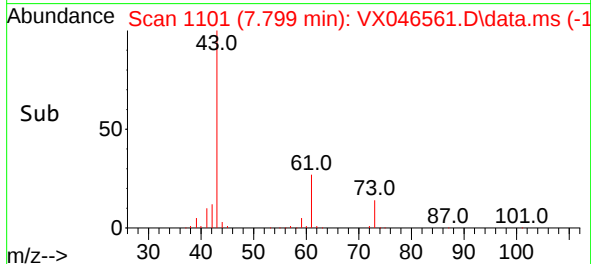
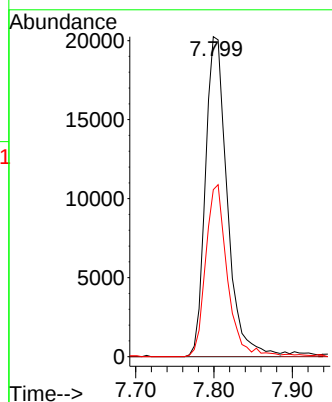
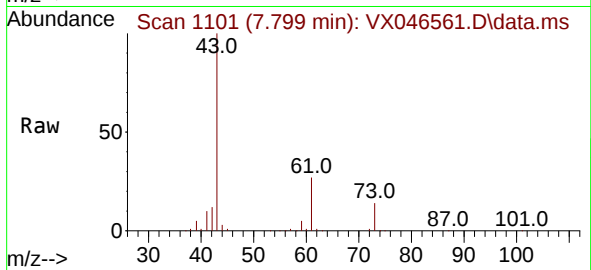




#48
Methyl methacrylate
Concen: 18.786 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

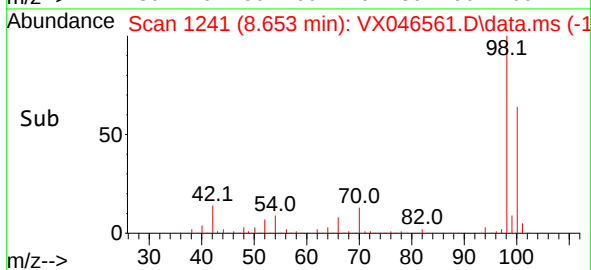
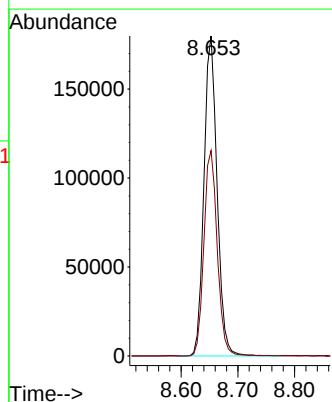
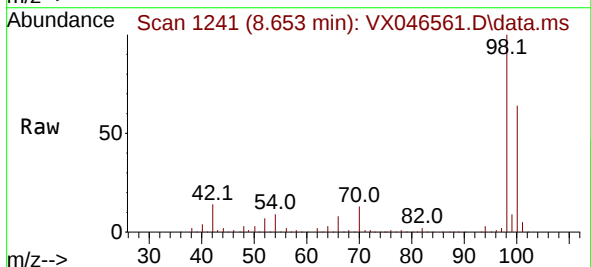
Instrument :
MSVOA_X
ClientSampleId :
TP-1

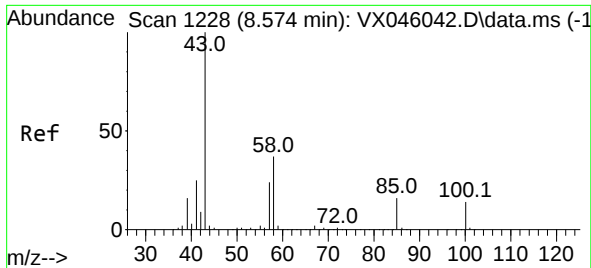
Tgt Ion: 41 Resp: 39213
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.4 51.7 77.5



#50
Toluene-d8
Concen: 52.626 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 98 Resp: 289609
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3

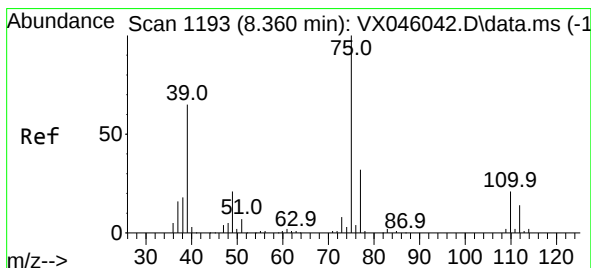
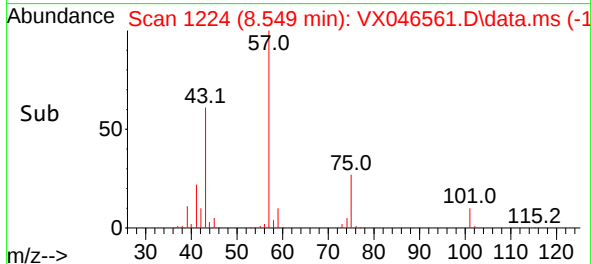
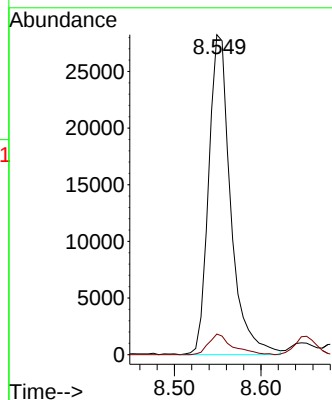
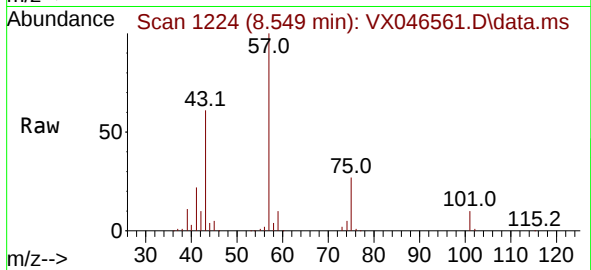




#51
4-Methyl-2-Pentanone
Concen: 19.336 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

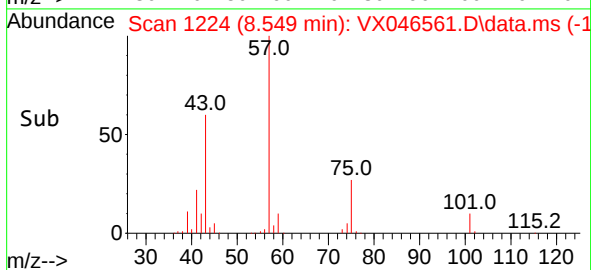
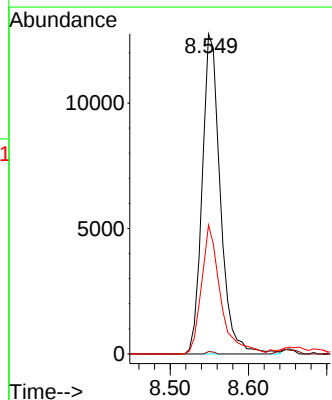
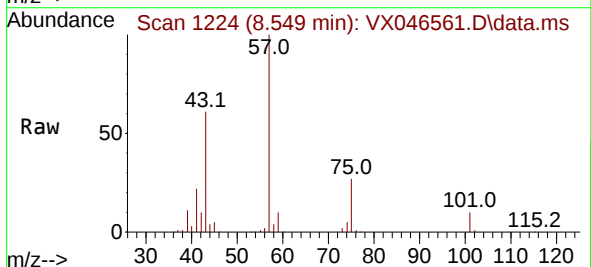
Instrument :
MSVOA_X
ClientSampleId :
TP-1

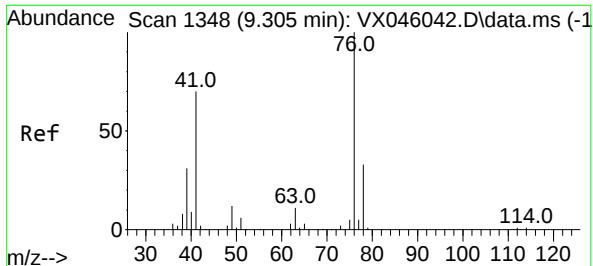
Tgt Ion: 43 Resp: 49849
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 7.694 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 75 Resp: 20555
Ion Ratio Lower Upper
75 100
77 0.8 25.4 38.0#
39 40.3 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.405 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX046561.D

Acq: 07 Jun 2025 06:40

Instrument :

MSVOA_X

ClientSampleId :

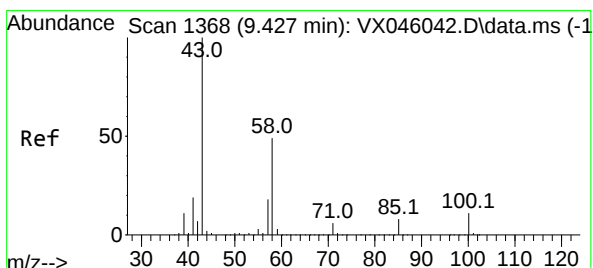
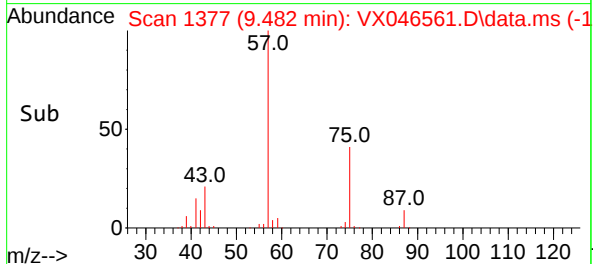
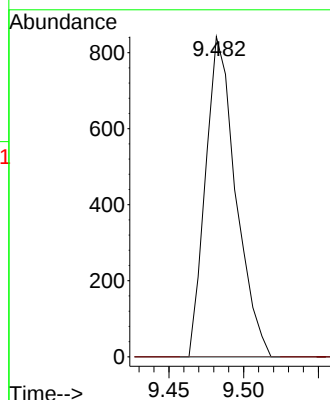
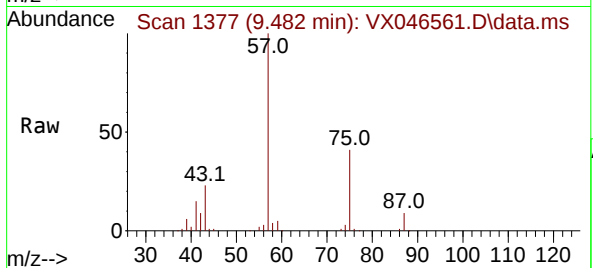
TP-1

Tgt Ion: 76 Resp: 1186

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 5.412 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX046561.D

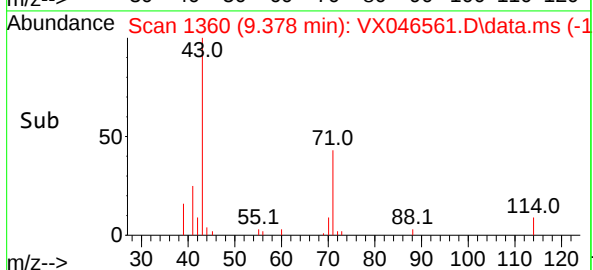
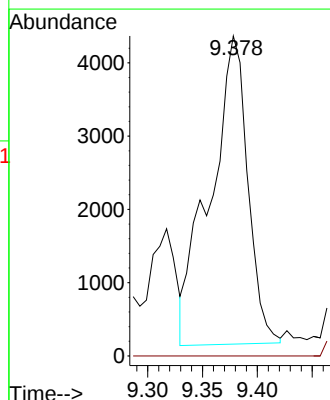
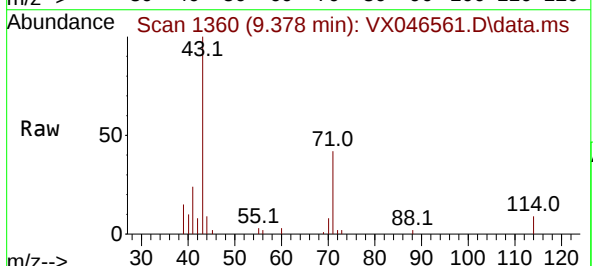
Acq: 07 Jun 2025 06:40

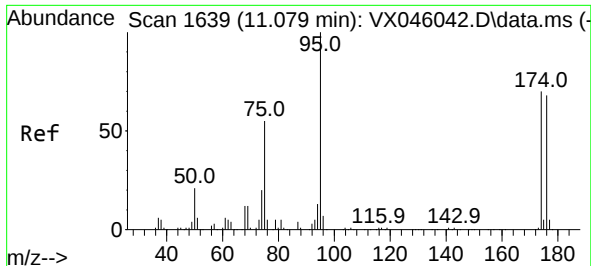
Tgt Ion: 43 Resp: 10007

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

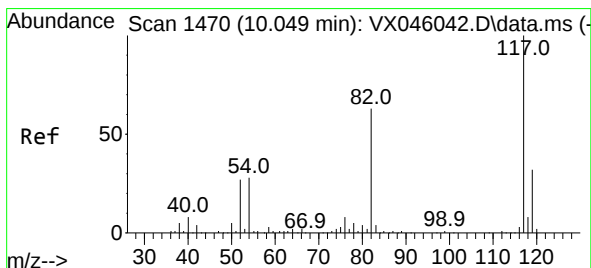
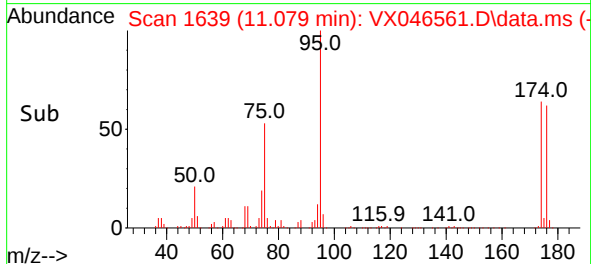
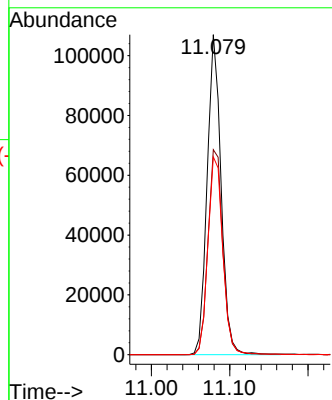
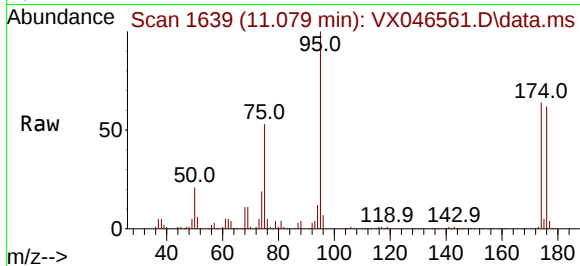




#62
4-Bromofluorobenzene
Concen: 58.007 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

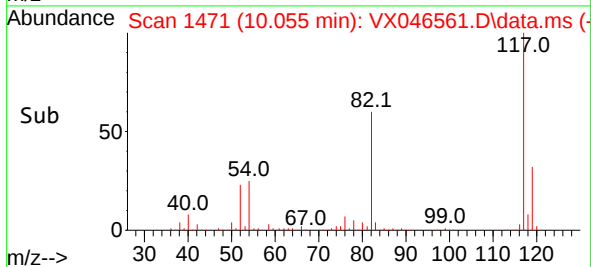
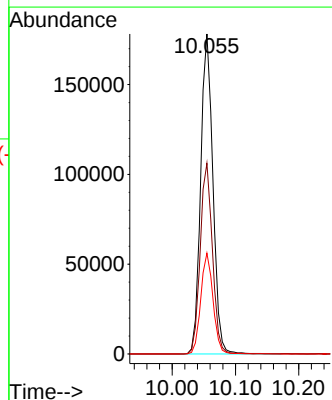
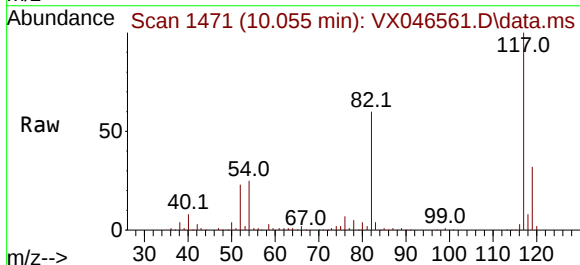
Instrument :
MSVOA_X
ClientSampleId :
TP-1

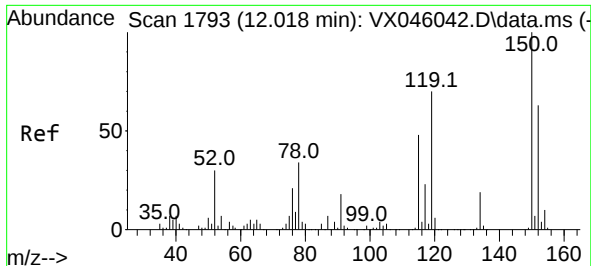
Tgt Ion: 95 Resp: 132076
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 66.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 117 Resp: 240362
Ion Ratio Lower Upper
117 100
82 59.6 50.6 76.0
119 31.5 25.8 38.6

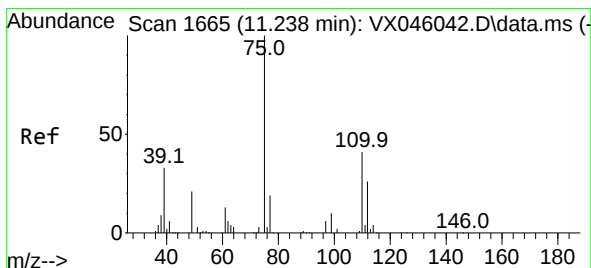
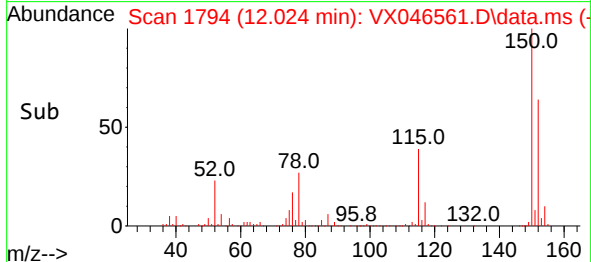
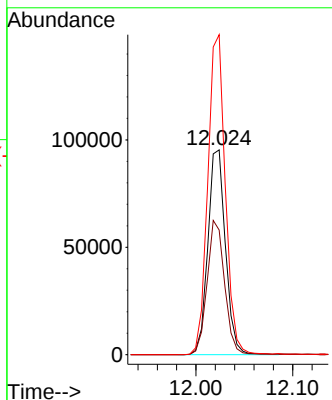
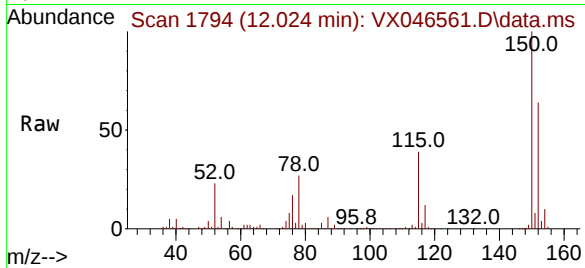




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046561.D
 Acq: 07 Jun 2025 06:40

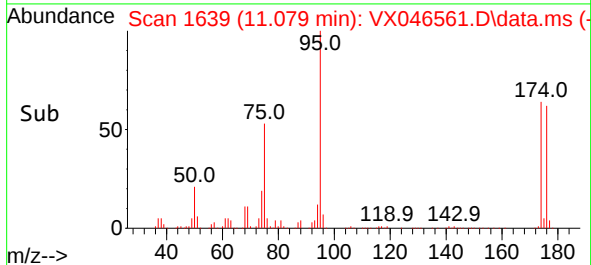
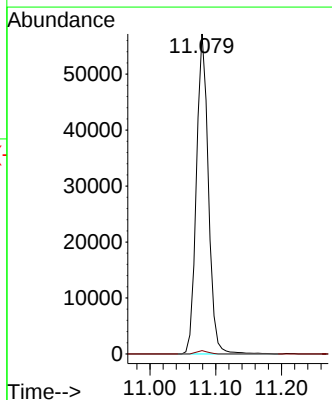
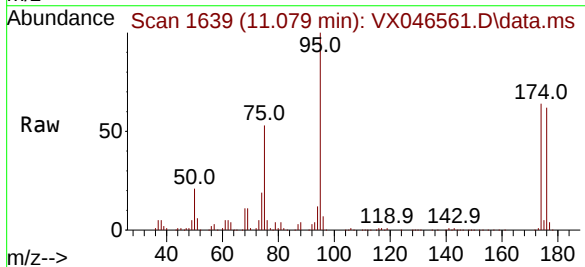
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

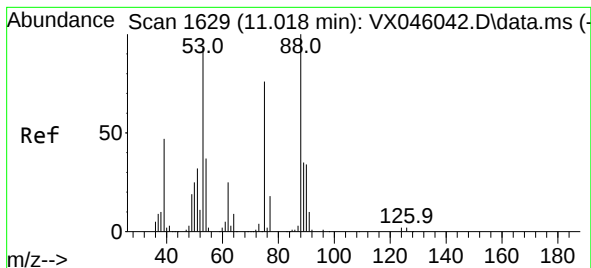
Tgt Ion:152 Resp: 121091
 Ion Ratio Lower Upper
 152 100
 115 65.2 46.9 140.7
 150 155.7 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.098 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046561.D
 Acq: 07 Jun 2025 06:40

Tgt Ion: 75 Resp: 72068
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#

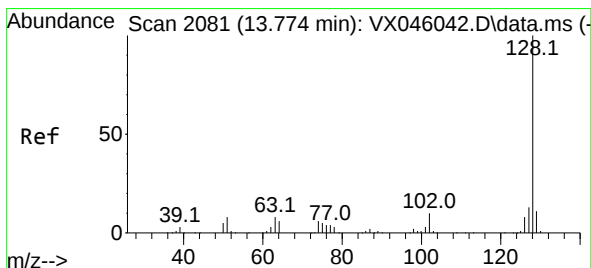
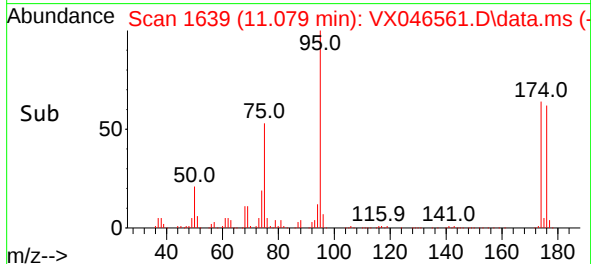
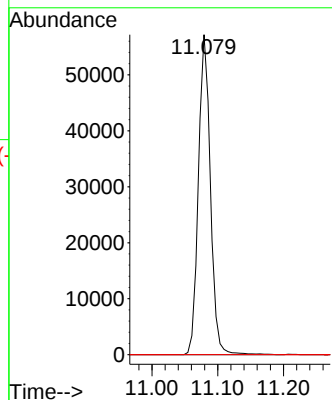
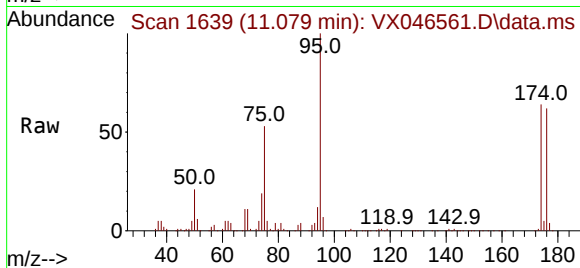




#81
trans-1,4-Dichloro-2-butene
Concen: 81.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Instrument :
MSVOA_X
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 72068
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 0.607 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046561.D
Acq: 07 Jun 2025 06:40

Tgt Ion: 128 Resp: 5437
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.0 8.6 13.0

