

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046557.D
 Acq On : 07 Jun 2025 05:14
 Operator : JC/MD
 Sample : Q2228-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP08-MHI-WC

Quant Time: Jun 07 05:48:02 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

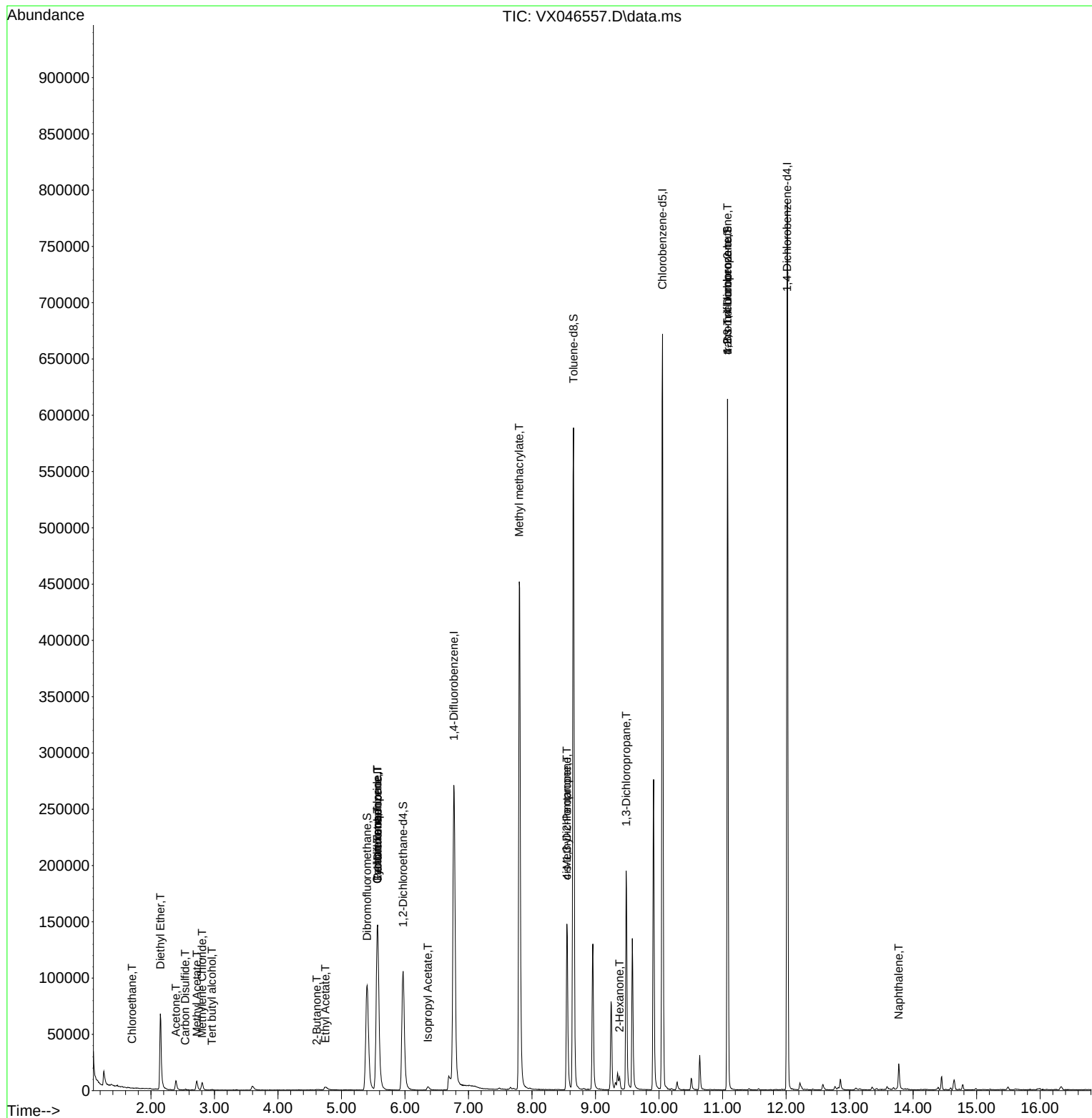
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	139557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	270784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	148371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	115693	46.597	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.200%
35) Dibromofluoromethane	5.404	113	88331	44.358	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.720%
50) Toluene-d8	8.653	98	344490	52.472	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.940%
62) 4-Bromofluorobenzene	11.079	95	159013	58.540	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	117.080%
Target Compounds						
					Qvalue	
6) Chloroethane	1.703	64	333	0.292	ug/l	99
8) Diethyl Ether	2.148	74	26803	26.080	ug/l	93
11) Tert butyl alcohol	2.959	59	56	0.203	ug/l #	72
16) Acetone	2.392	43	10693	15.360	ug/l #	88
17) Carbon Disulfide	2.538	76	235	0.269	ug/l #	76
18) Methyl Acetate	2.721	43	11227	3.796	ug/l	97
20) Methylene Chloride	2.806	84	3010	1.511	ug/l	93
25) 2-Butanone	4.611	43	868	0.628	ug/l	100
31) Cyclohexane	5.562	56	3629	1.257	ug/l #	7
36) 1,1-Dichloropropene	5.568	75	13475	4.737	ug/l #	52
37) Ethyl Acetate	4.745	43	5676	2.045	ug/l #	89
38) Carbon Tetrachloride	5.562	117	15961	5.010	ug/l #	17
43) Isopropyl Acetate	6.361	43	4762	0.984	ug/l #	96
48) Methyl methacrylate	7.799	41	44235	17.764	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	57077	18.558	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	23655	7.422	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	1722	0.493	ug/l #	42
59) 2-Hexanone	9.378	43	7480	3.391	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	87461	27.830	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	87461	80.279	ug/l #	1
95) Naphthalene	13.774	128	16836	1.534	ug/l	99

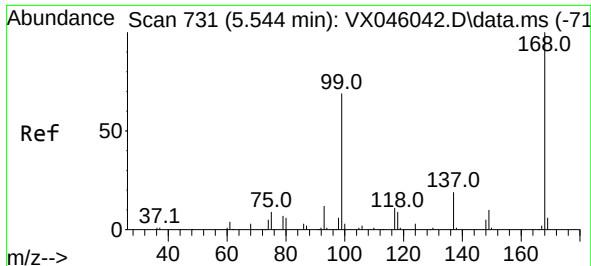
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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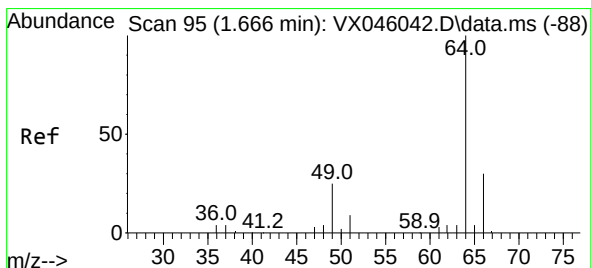
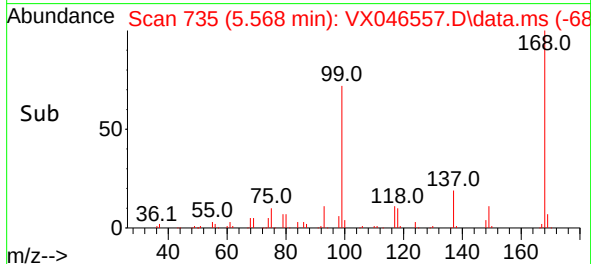
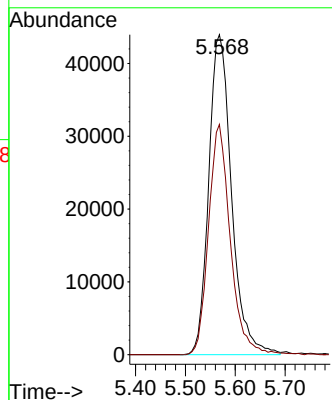
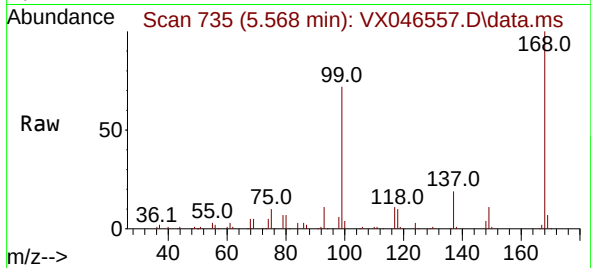




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

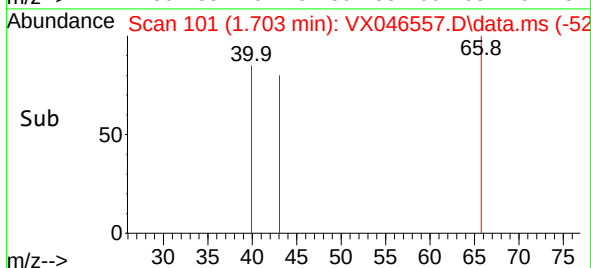
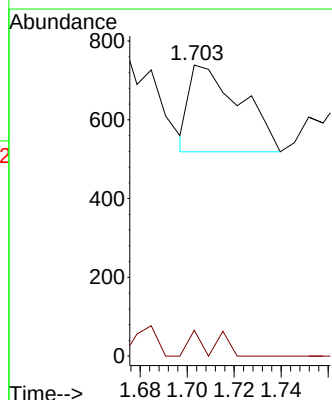
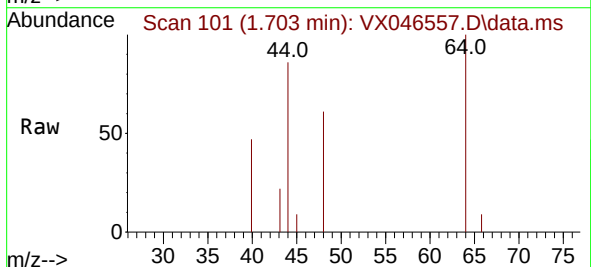
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

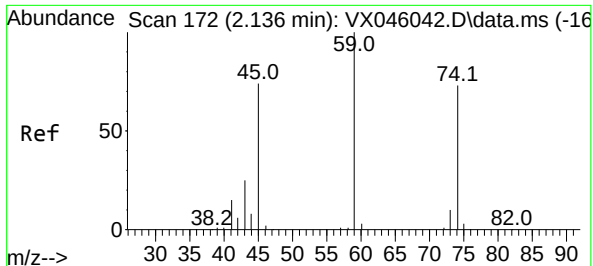
Tgt Ion:168 Resp: 139557
Ion Ratio Lower Upper
168 100
99 71.9 54.9 82.3



#6
Chloroethane
Concen: 0.292 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

Tgt Ion: 64 Resp: 333
Ion Ratio Lower Upper
64 100
66 30.0 24.3 36.5





#8

Diethyl Ether

Concen: 26.080 ug/l

RT: 2.148 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX046557.D

Acq: 07 Jun 2025 05:14

Instrument :

MSVOA_X

ClientSampleId :

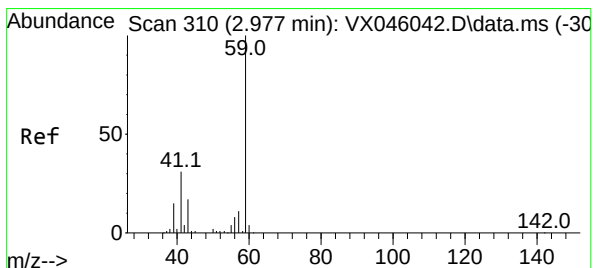
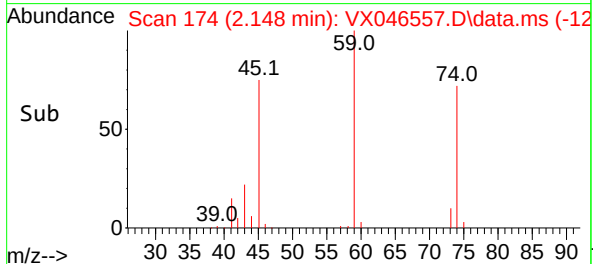
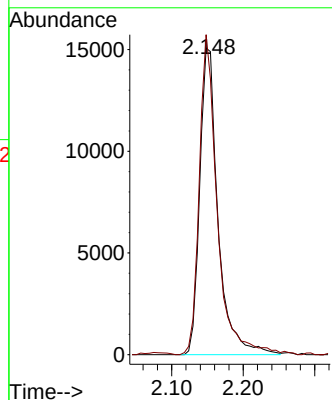
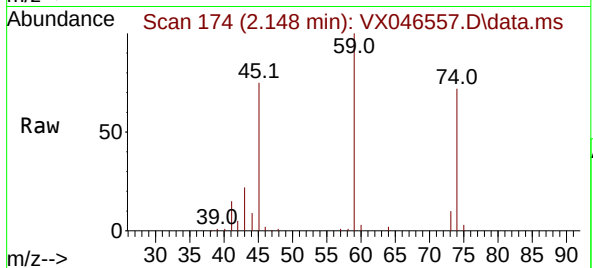
TP08-MHI-WC

Tgt Ion: 74 Resp: 26803

Ion Ratio Lower Upper

74 100

45 102.5 54.9 164.8



#11

Tert butyl alcohol

Concen: 0.203 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX046557.D

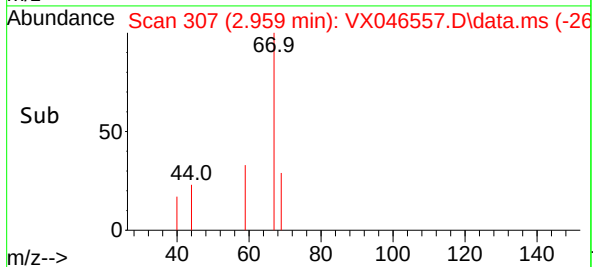
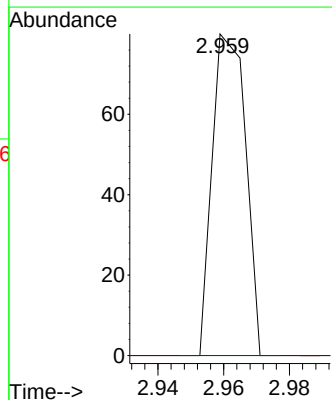
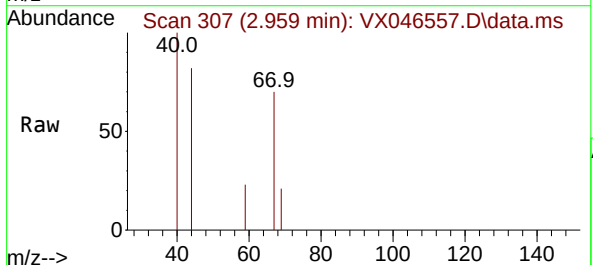
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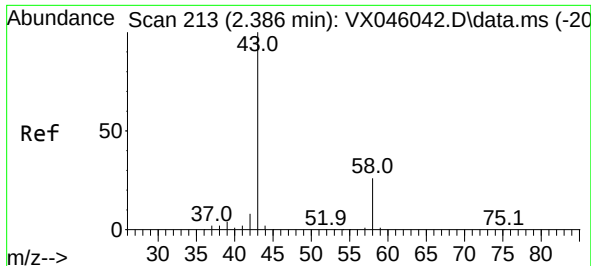
Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

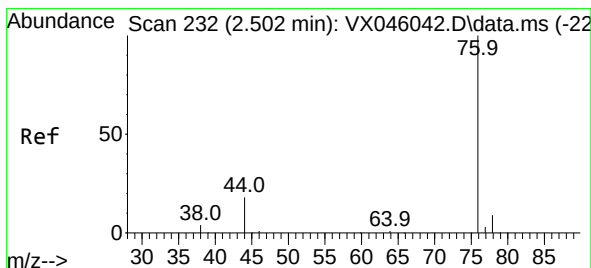
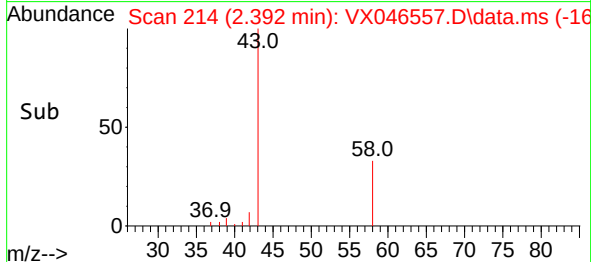
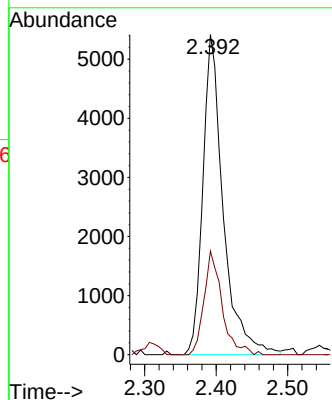
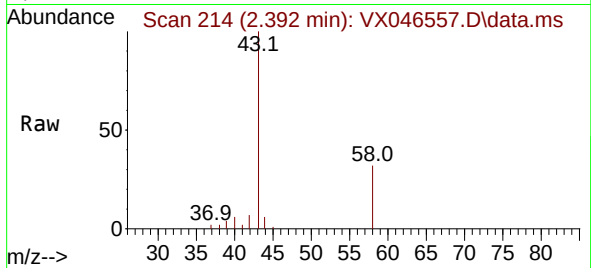




#16
Acetone
Concen: 15.360 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

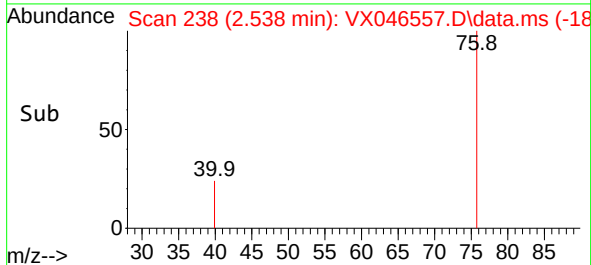
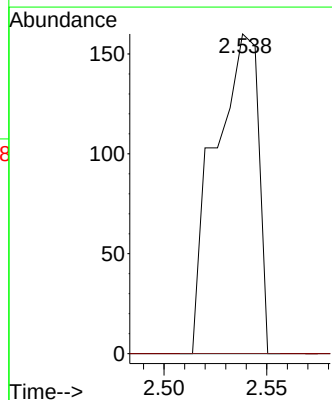
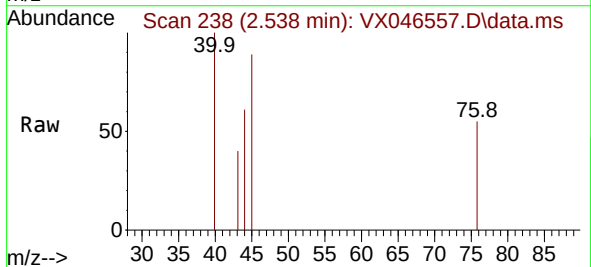
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

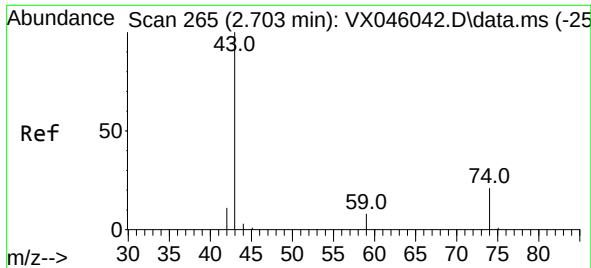
Tgt Ion: 43 Resp: 10693
Ion Ratio Lower Upper
43 100
58 32.4 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.269 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

Tgt Ion: 76 Resp: 235
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

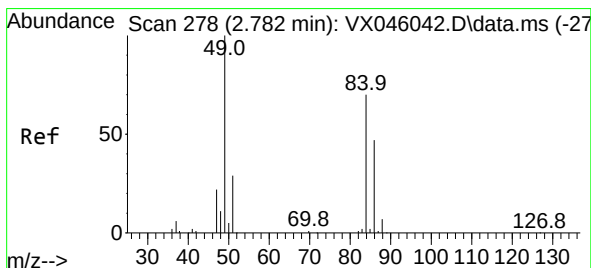
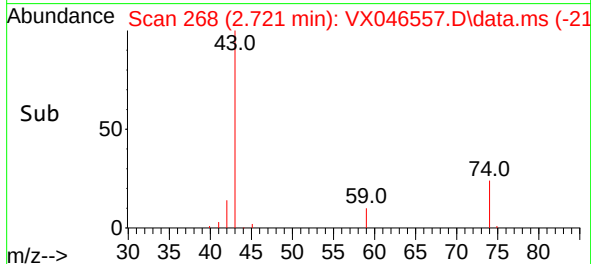
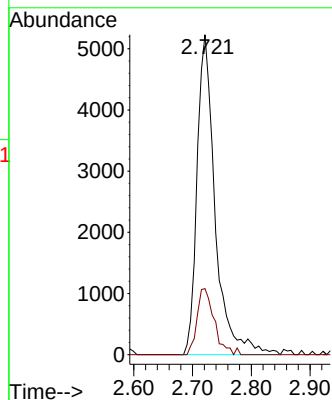
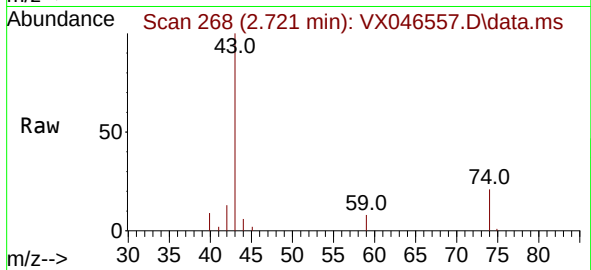




#18
Methyl Acetate
Concen: 3.796 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

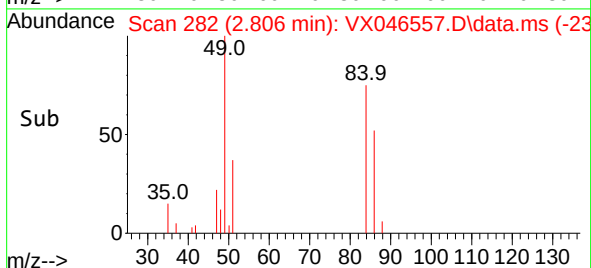
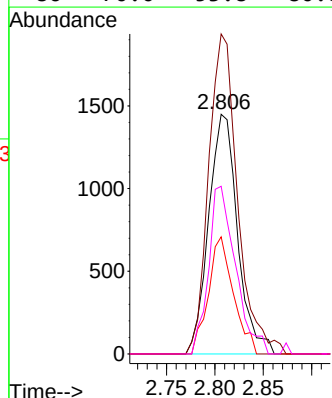
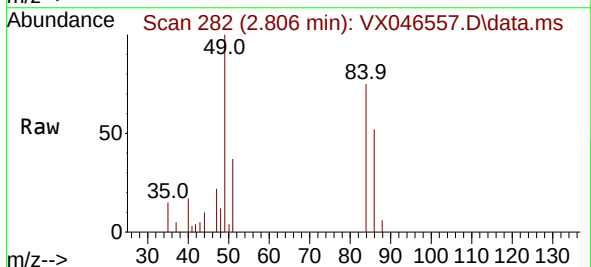
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

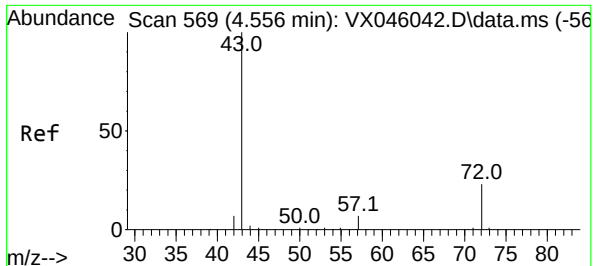
Tgt Ion: 43 Resp: 11227
Ion Ratio Lower Upper
43 100
74 19.6 16.7 25.1



#20
Methylene Chloride
Concen: 1.511 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

Tgt Ion: 84 Resp: 3010
Ion Ratio Lower Upper
84 100
49 133.5 113.9 170.9
51 48.9 33.5 50.3
86 70.0 53.8 80.8





#25

2-Butanone

Concen: 0.628 ug/l

RT: 4.611 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX046557.D

Acq: 07 Jun 2025 05:14

Instrument :

MSVOA_X

ClientSampleId :

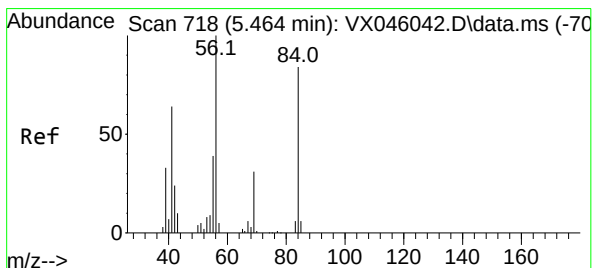
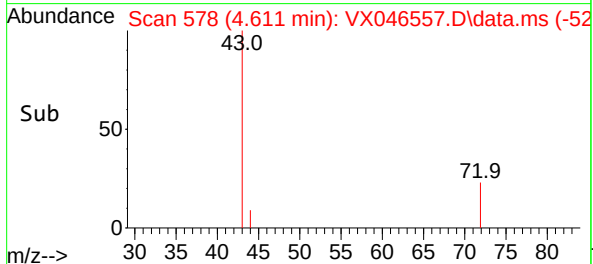
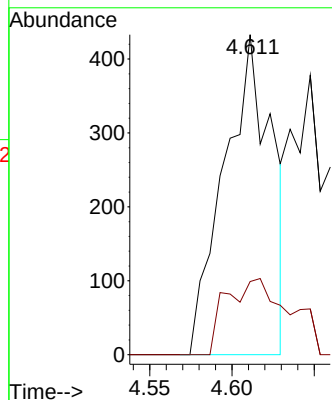
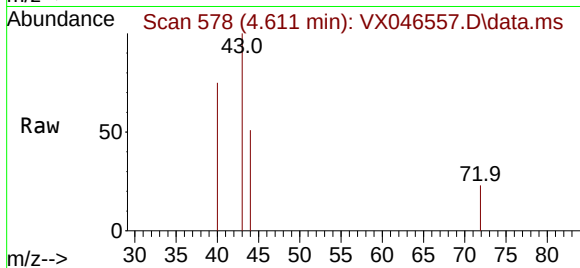
TP08-MHI-WC

Tgt Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

72 22.9 18.4 27.6



#31

Cyclohexane

Concen: 1.257 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.073 min

Lab File: VX046557.D

Acq: 07 Jun 2025 05:14

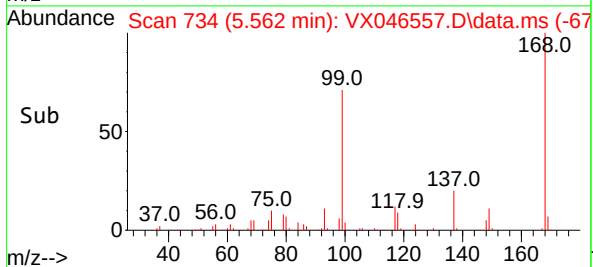
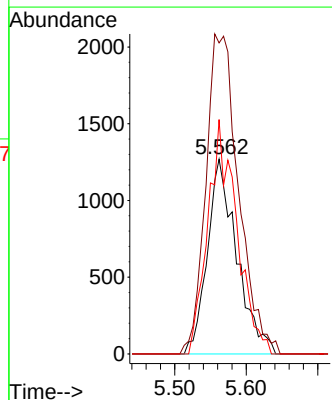
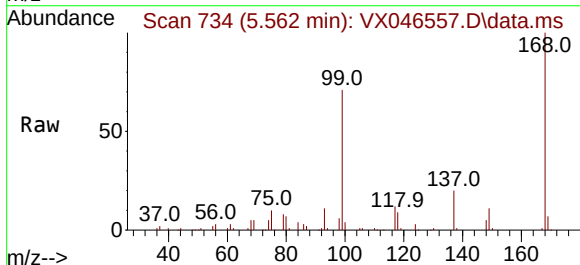
Tgt Ion: 56 Resp: 3629

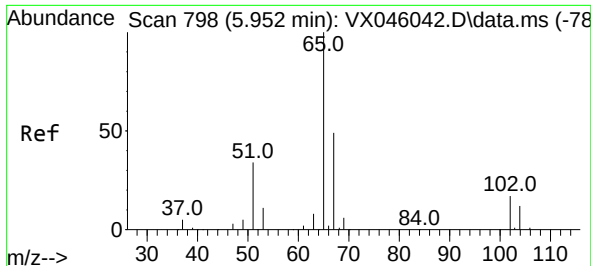
Ion Ratio Lower Upper

56 100

69 159.7 24.4 36.6#

84 120.3 66.9 100.3#

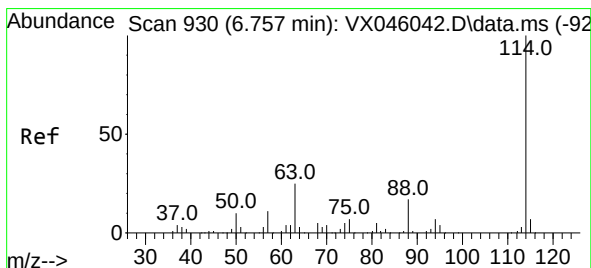
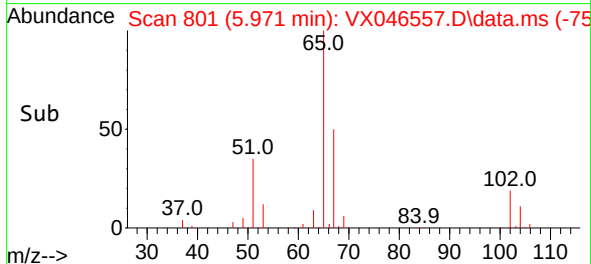
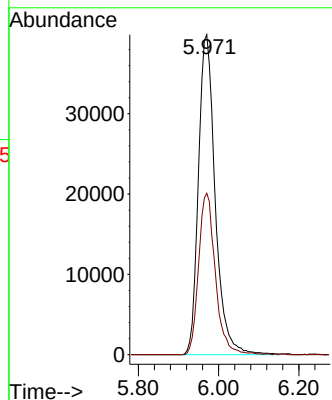
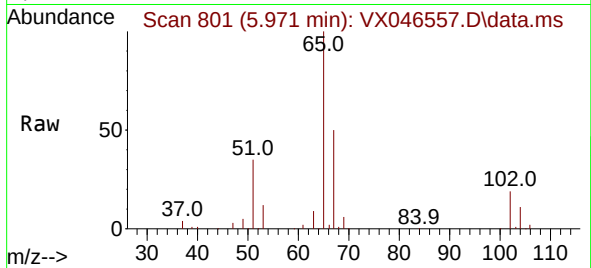




#33
 1,2-Dichloroethane-d4
 Concen: 46.597 ug/l
 RT: 5.971 min Scan# 801
 Delta R.T. 0.001 min
 Lab File: VX046557.D
 Acq: 07 Jun 2025 05:14

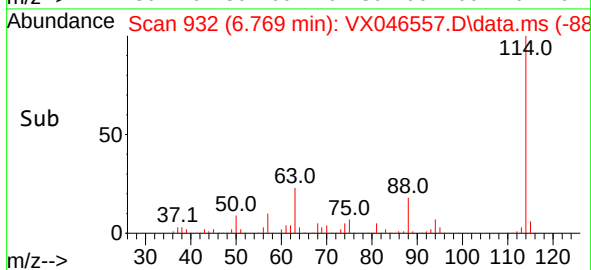
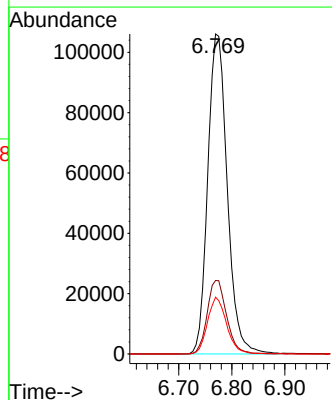
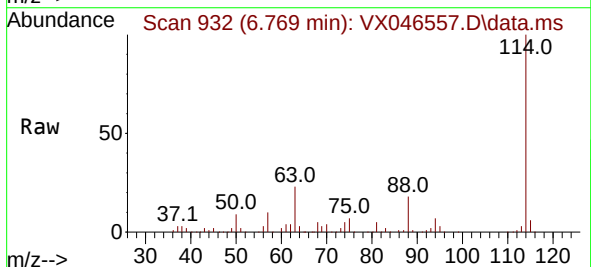
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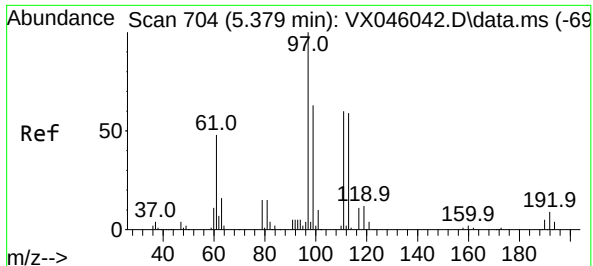
Tgt Ion: 65 Resp: 115693
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.006 min
 Lab File: VX046557.D
 Acq: 07 Jun 2025 05:14

Tgt Ion: 114 Resp: 270784
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 49.2
 88 17.8 0.0 33.6

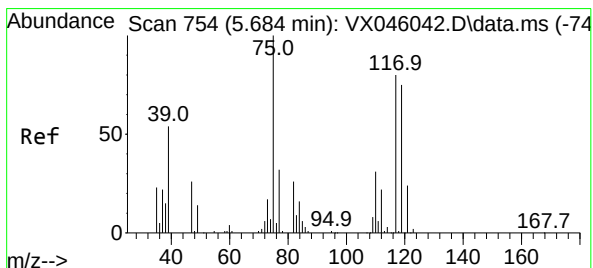
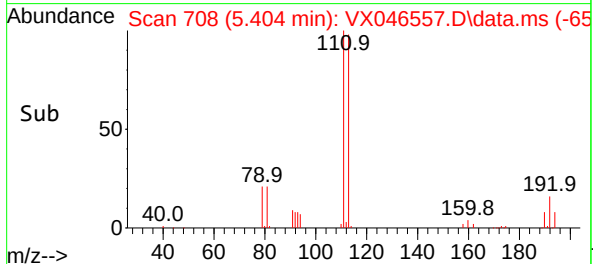
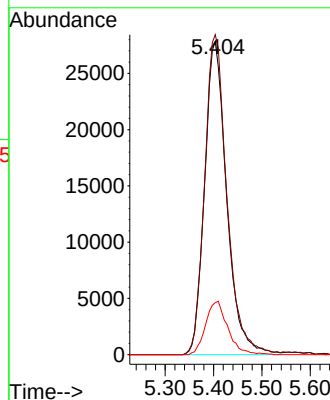
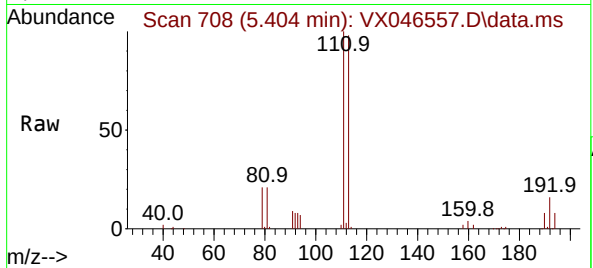




#35
 Dibromofluoromethane
 Concen: 44.358 ug/l
 RT: 5.404 min Scan# 704
 Delta R.T. 0.001 min
 Lab File: VX046557.D
 Acq: 07 Jun 2025 05:14

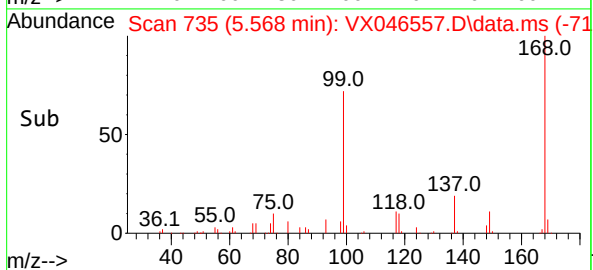
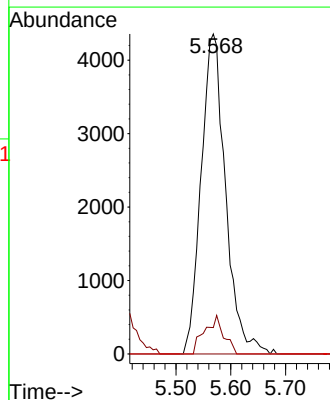
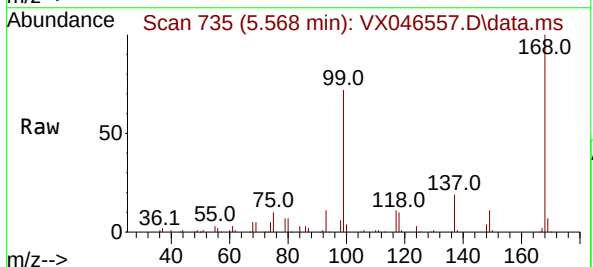
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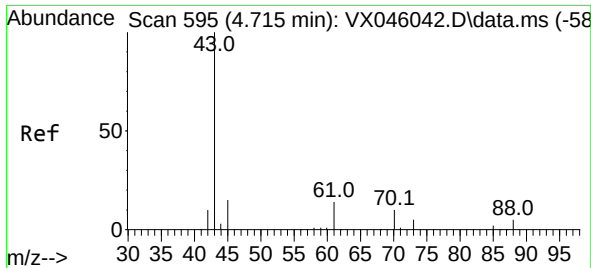
Tgt Ion:113 Resp: 88331
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.1 124.7
 192 17.1 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.737 ug/l
 RT: 5.568 min Scan# 735
 Delta R.T. -0.146 min
 Lab File: VX046557.D
 Acq: 07 Jun 2025 05:14

Tgt Ion: 75 Resp: 13475
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.3 48.9#
 77 0.0 24.3 36.5#

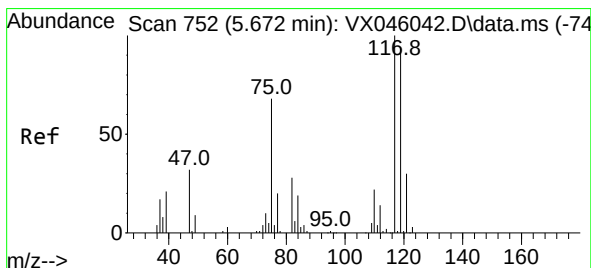
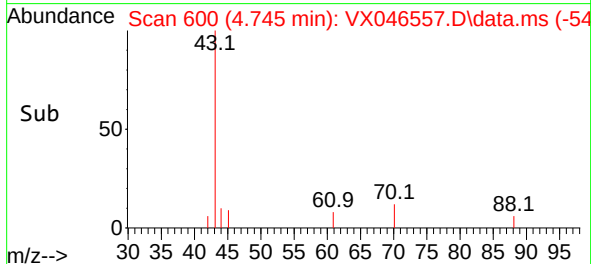
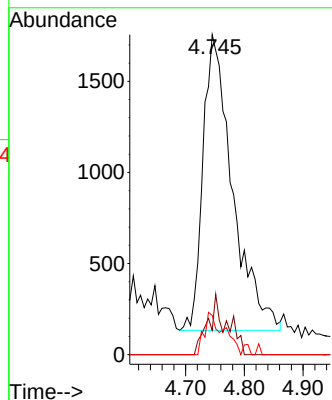
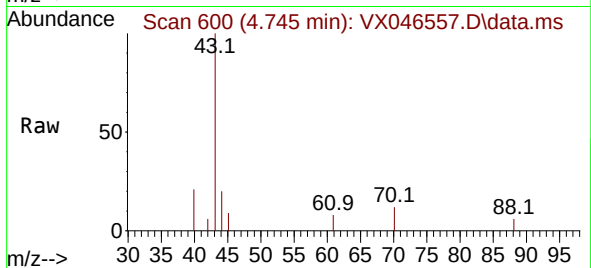




#37
Ethyl Acetate
Concen: 2.045 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

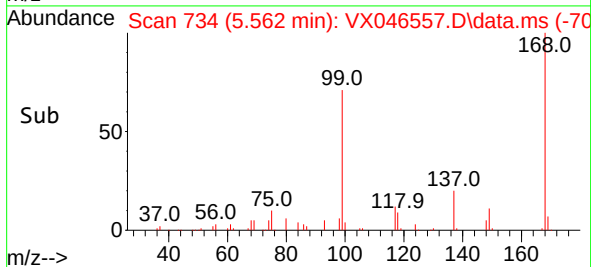
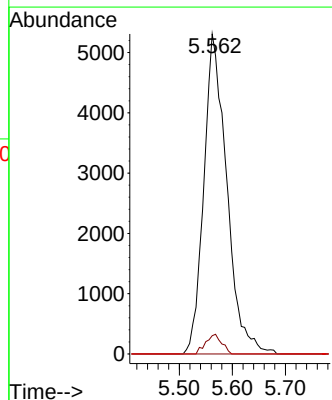
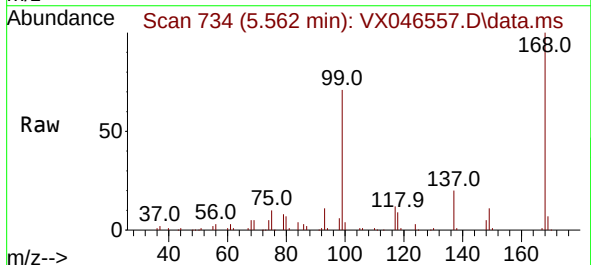
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

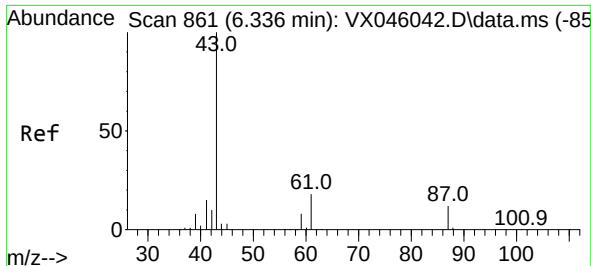
Tgt Ion: 43 Resp: 5676
Ion Ratio Lower Upper
43 100
61 8.5 10.3 15.5#
70 6.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.010 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

Tgt Ion: 117 Resp: 15961
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.2 36.4#

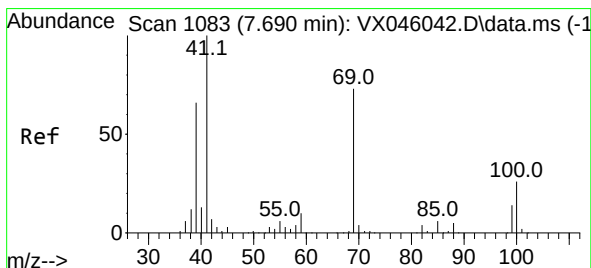
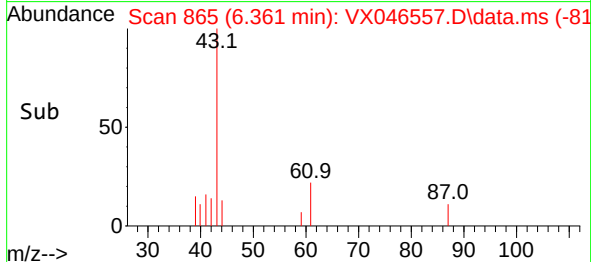
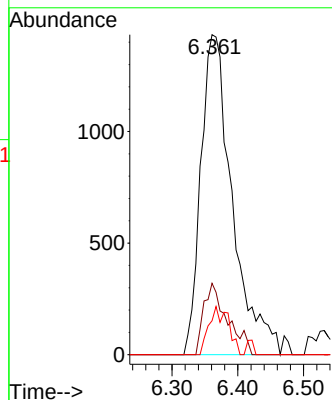
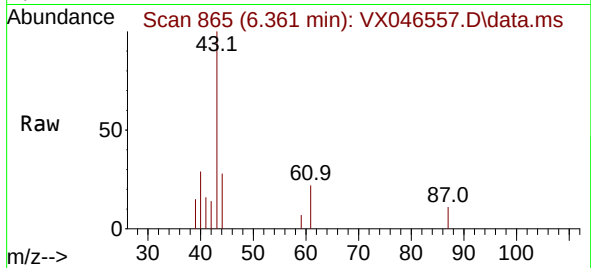




#43
Isopropyl Acetate
Concen: 0.984 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.007 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

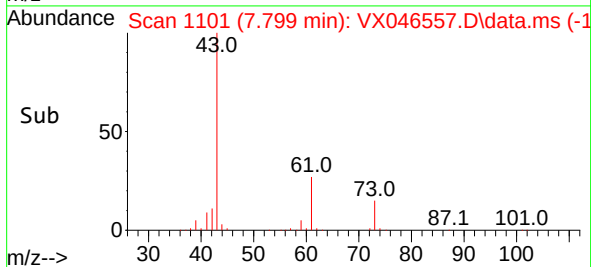
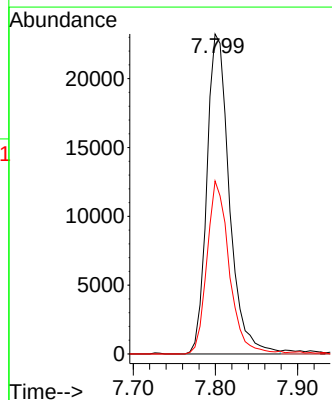
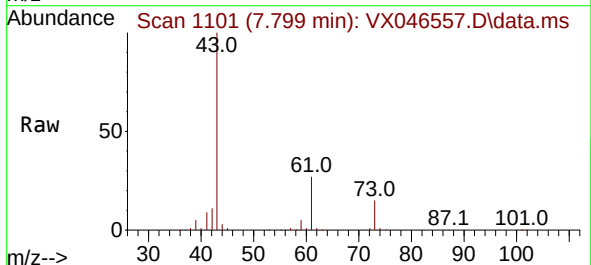
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

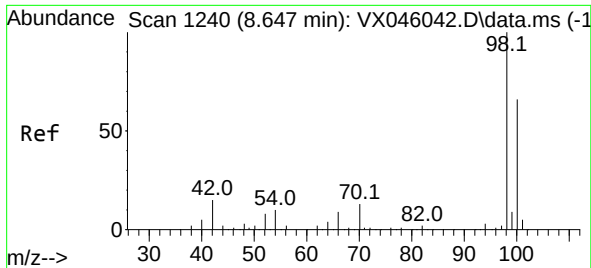
Tgt Ion: 43 Resp: 4762
Ion Ratio Lower Upper
43 100
61 16.9 14.3 21.5
87 9.4 9.5 14.3#



#48
Methyl methacrylate
Concen: 17.764 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

Tgt Ion: 41 Resp: 44235
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.6 51.7 77.5

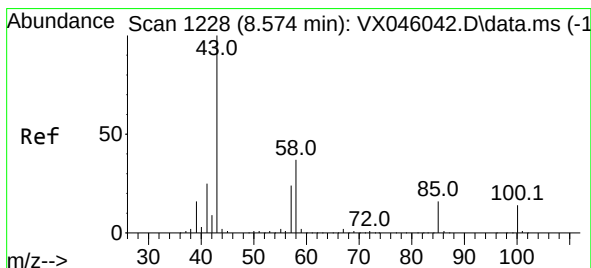
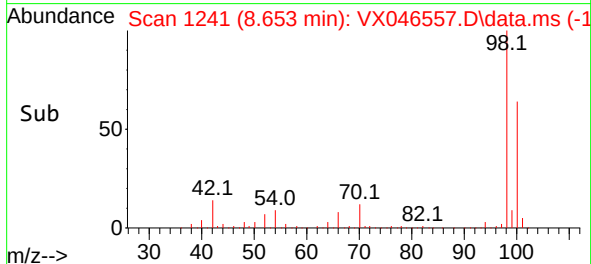
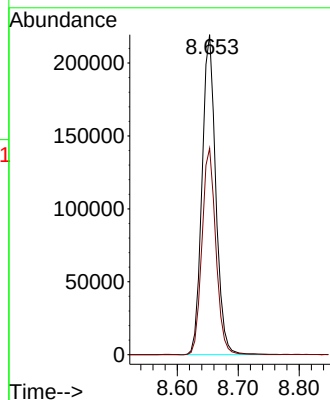
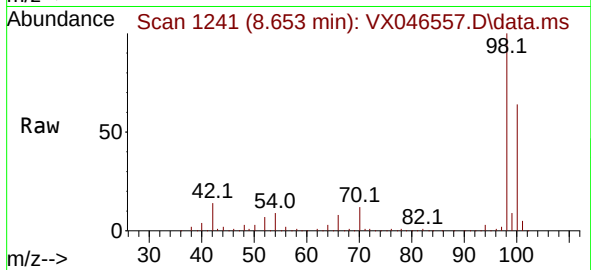




#50
Toluene-d8
Concen: 52.472 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

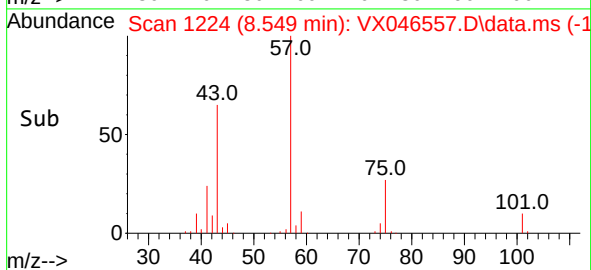
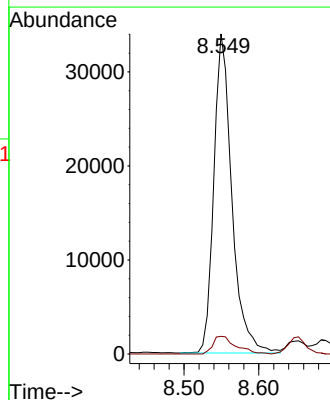
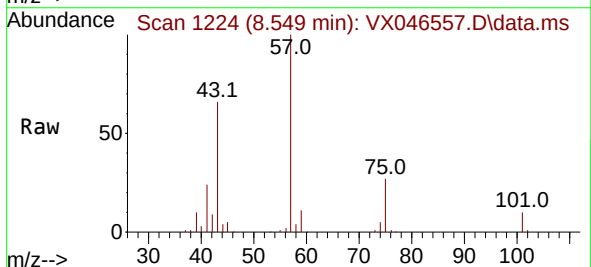
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

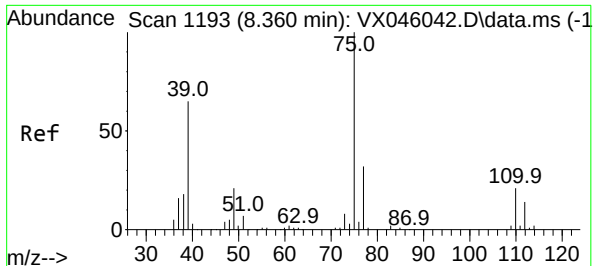
Tgt Ion: 98 Resp: 344490
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 18.558 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

Tgt Ion: 43 Resp: 57077
Ion Ratio Lower Upper
43 100
58 7.0 28.9 43.3#

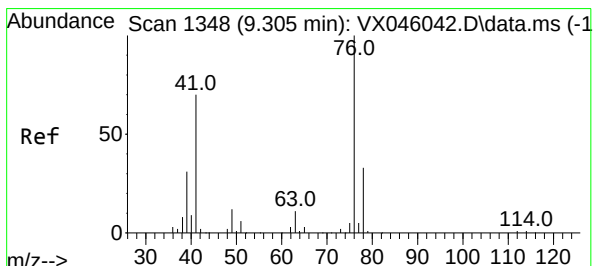
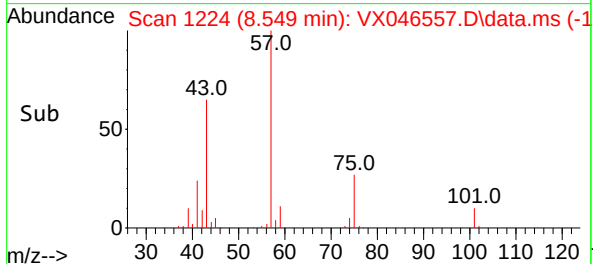
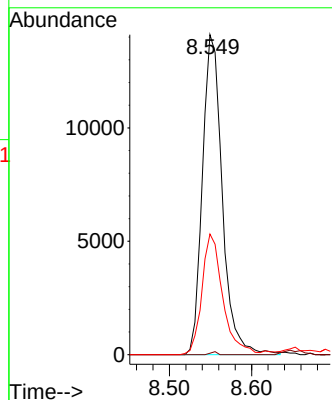
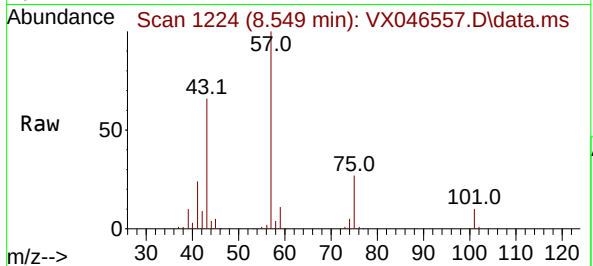




#54
 cis-1,3-Dichloropropene
 Concen: 7.422 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046557.D
 Acq: 07 Jun 2025 05:14

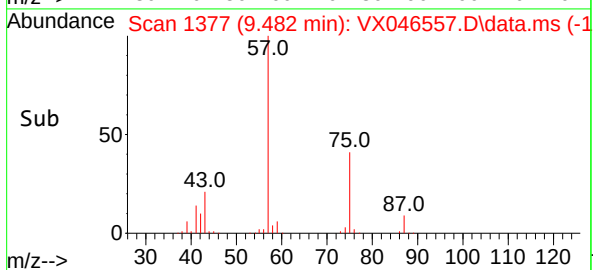
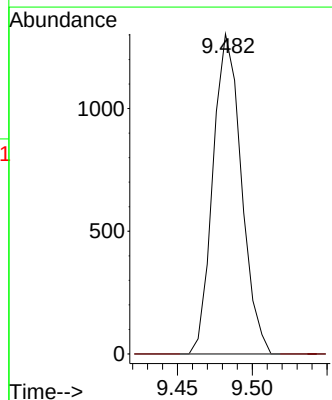
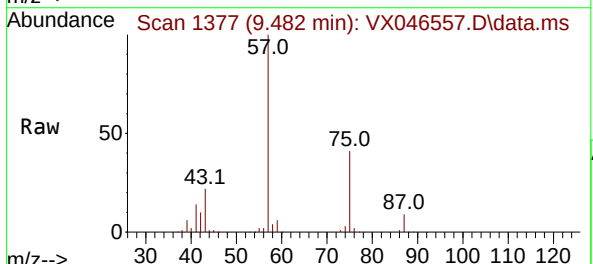
Instrument :
 MSVOA_X
 ClientSampleId :
 TP08-MHI-WC

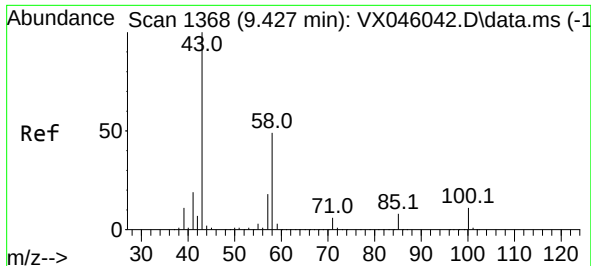
Tgt Ion: 75 Resp: 23655
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.0#
 39 37.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.493 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046557.D
 Acq: 07 Jun 2025 05:14

Tgt Ion: 76 Resp: 1722
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

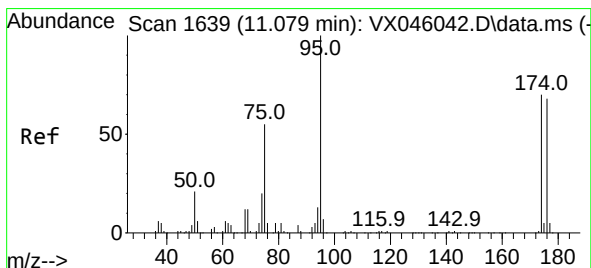
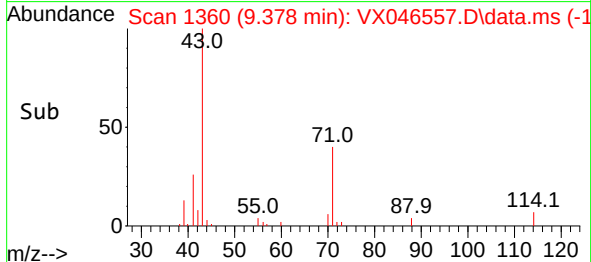
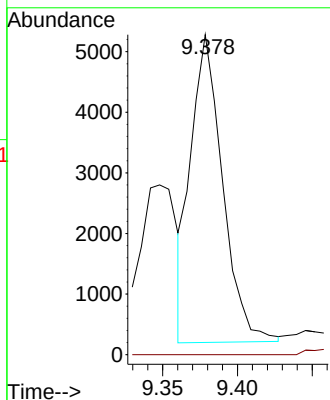
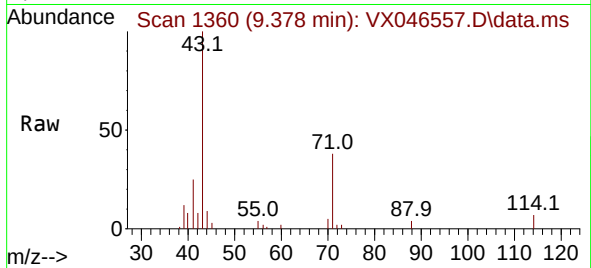




#59
2-Hexanone
Concen: 3.391 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

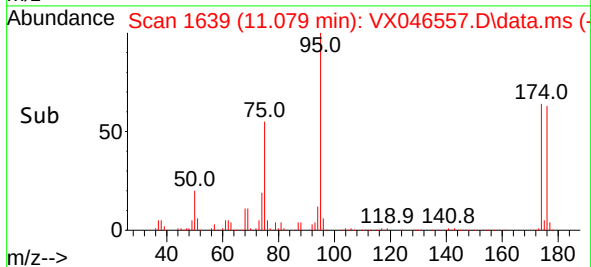
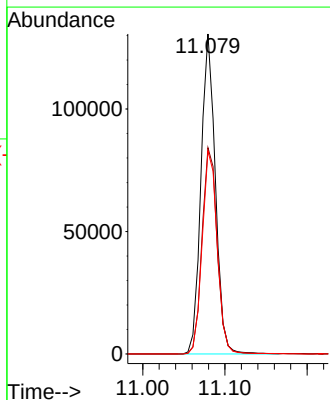
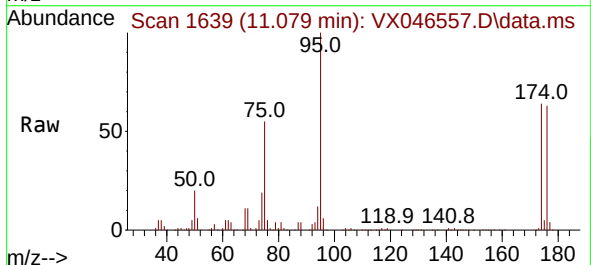
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

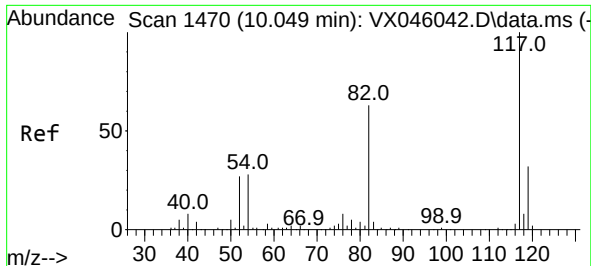
Tgt Ion: 43 Resp: 7480
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 58.540 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

Tgt Ion: 95 Resp: 159013
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 66.3 0.0 131.4

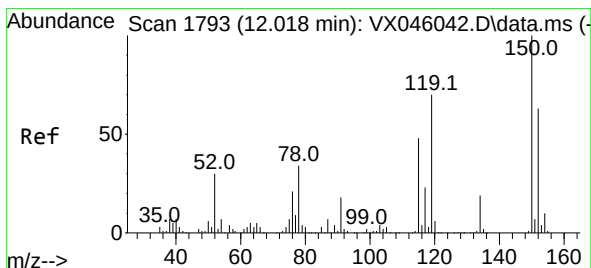
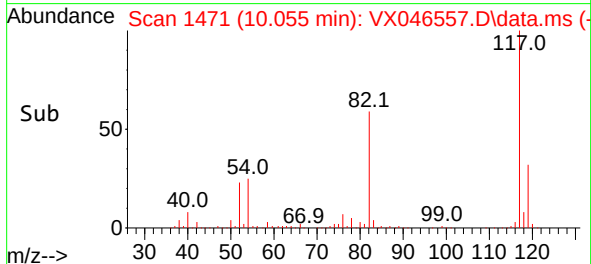
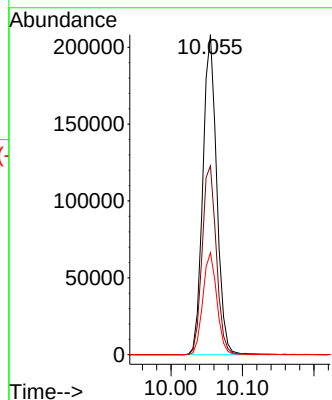
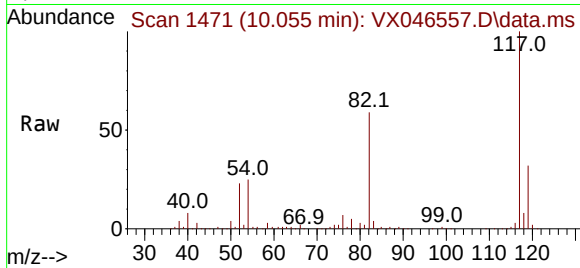




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

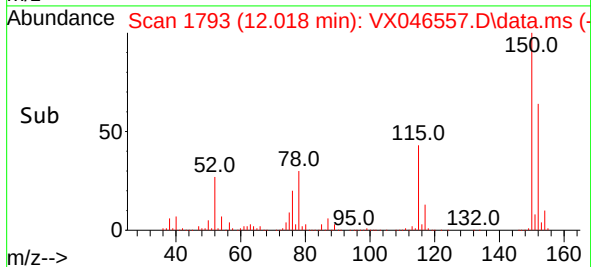
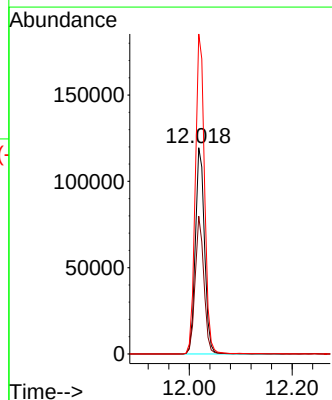
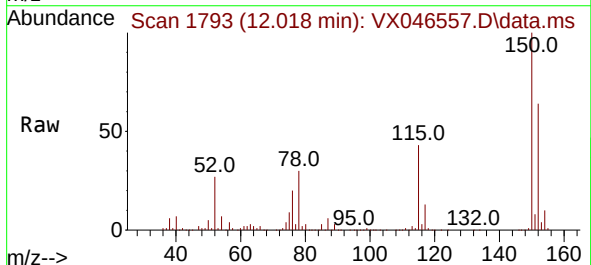
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

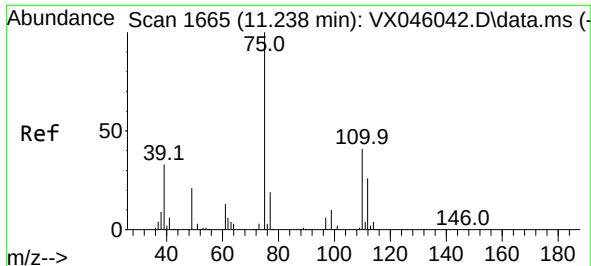
Tgt Ion:117 Resp: 280619
Ion Ratio Lower Upper
117 100
82 59.0 50.6 76.0
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

Tgt Ion:152 Resp: 148371
Ion Ratio Lower Upper
152 100
115 64.0 46.9 140.7
150 155.7 0.0 351.0

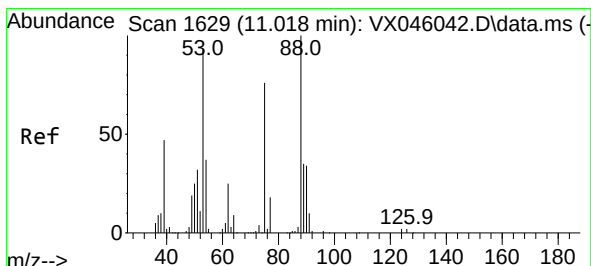
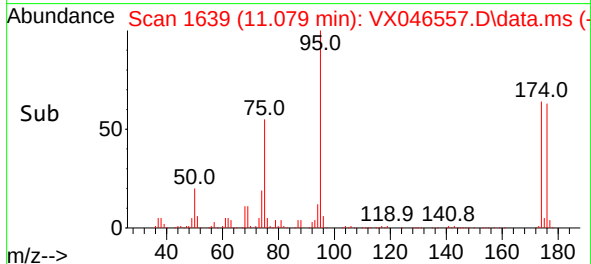
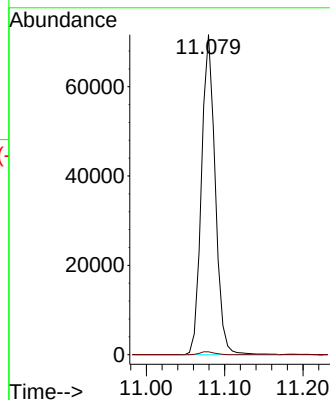
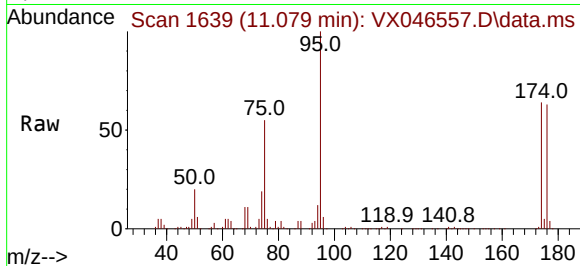




#76
1,2,3-Trichloropropane
Concen: 27.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

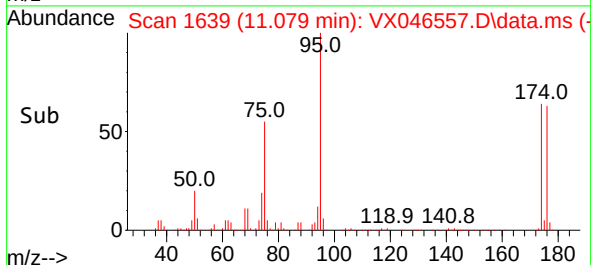
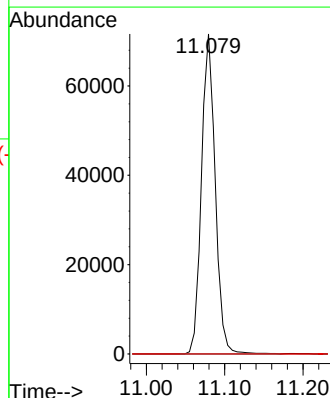
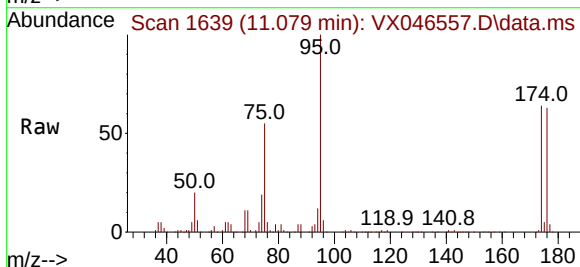
Instrument :
MSVOA_X
ClientSampleId :
TP08-MHI-WC

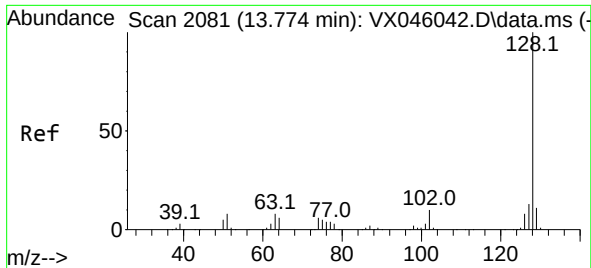
Tgt Ion: 75 Resp: 87461
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046557.D
Acq: 07 Jun 2025 05:14

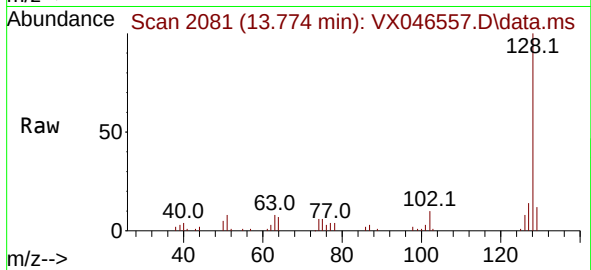
Tgt Ion: 75 Resp: 87461
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#95
 Naphthalene
 Concen: 1.534 ug/l
 RT: 13.774 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX046557.D
 Acq: 07 Jun 2025 05:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TP08-MHI-WC



Tgt Ion:	128	Resp:	16836
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.4	8.6	13.0

