

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046564.D
 Acq On : 07 Jun 2025 07:44
 Operator : JC/MD
 Sample : Q2226-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP06-MHI-WC

Quant Time: Jun 07 08:05:11 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)

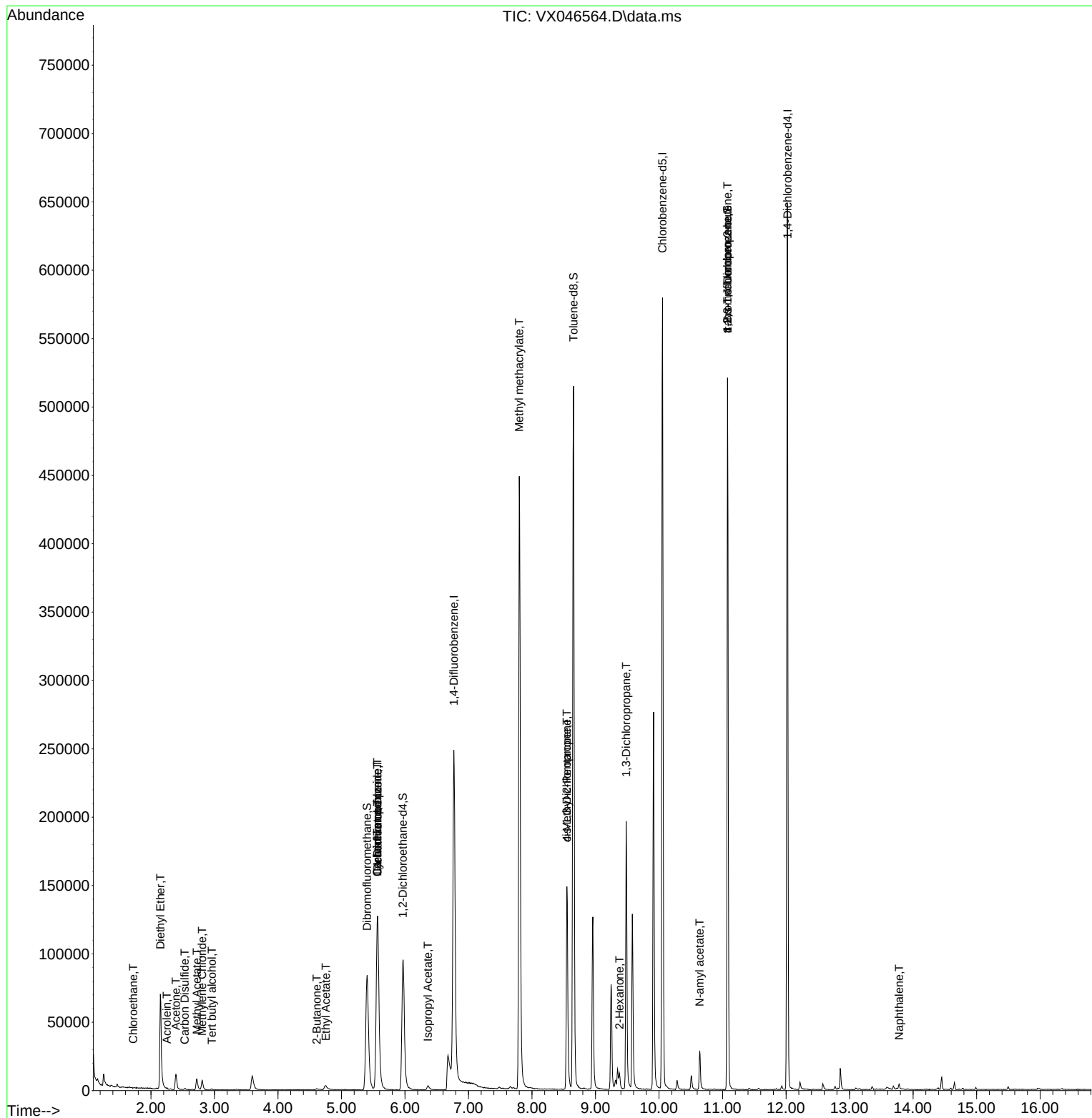
Internal Standards						
1) Pentafluorobenzene	5.568	168	119665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103550	48.639	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.280%
35) Dibromofluoromethane	5.403	113	77218	44.716	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.440%
50) Toluene-d8	8.653	98	297158	52.195	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.380%
62) 4-Bromofluorobenzene	11.079	95	137428	58.342	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.680%
Target Compounds						
					Qvalue	
6) Chloroethane	1.721	64	251	0.257	ug/l #	44
8) Diethyl Ether	2.148	74	27675	31.405	ug/l	88
11) Tert butyl alcohol	2.959	59	93	0.394	ug/l #	72
13) Acrolein	2.252	56	123	30.384	ug/l #	59
16) Acetone	2.392	43	14796	21.967	ug/l	98
17) Carbon Disulfide	2.532	76	341	0.315	ug/l #	76
18) Methyl Acetate	2.721	43	11349	4.475	ug/l	99
20) Methylene Chloride	2.806	84	3027	1.772	ug/l	97
25) 2-Butanone	4.611	43	2080	1.755	ug/l #	85
31) Cyclohexane	5.562	56	3003	1.213	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	11358	4.605	ug/l #	52
37) Ethyl Acetate	4.751	43	6720	2.791	ug/l	99
38) Carbon Tetrachloride	5.562	117	14305	5.178	ug/l #	16
43) Isopropyl Acetate	6.361	43	4241	1.010	ug/l	97
48) Methyl methacrylate	7.799	41	44405	20.563	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	57176	21.438	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	23745	8.591	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1801	0.595	ug/l #	42
59) 2-Hexanone	9.378	43	7534	3.939	ug/l #	28
74) N-amyl acetate	10.640	43	8386	1.945	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	73832	27.989	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	73832	80.738	ug/l #	1
95) Naphthalene	13.780	128	3105	0.337	ug/l #	92

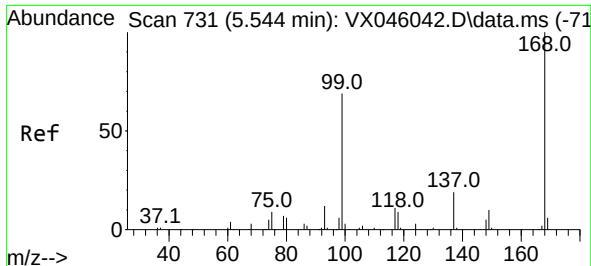
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046564.D
Acq On : 07 Jun 2025 07:44
Operator : JC/MD
Sample : Q2226-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

Quant Time: Jun 07 08:05:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

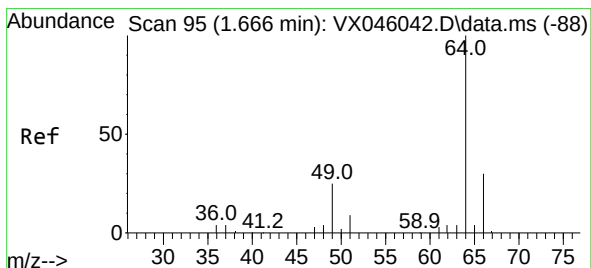
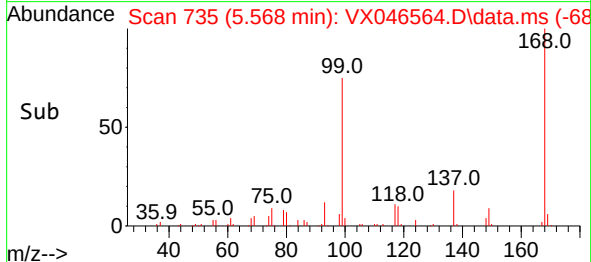
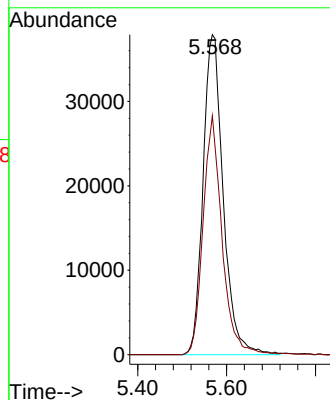
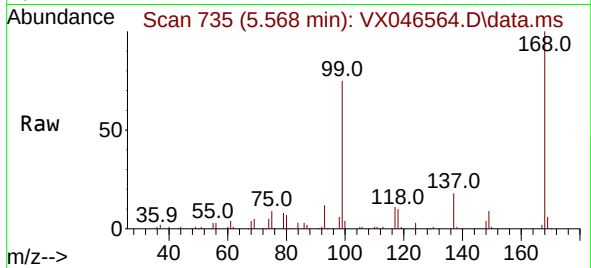




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

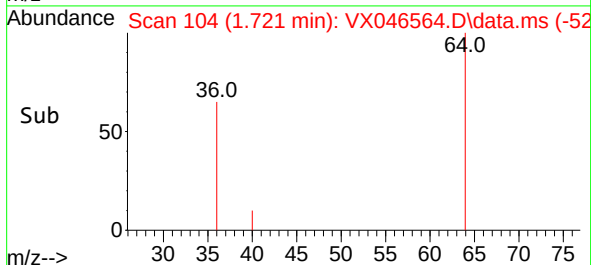
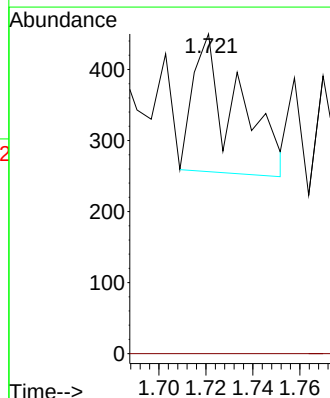
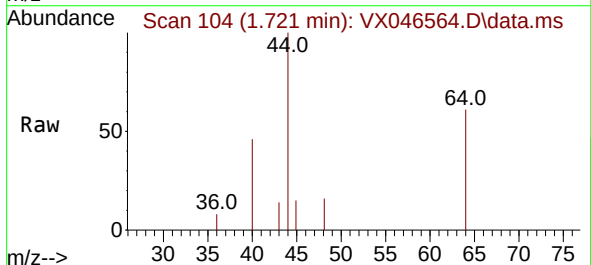
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

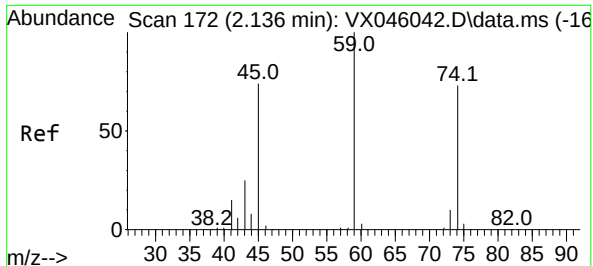
Tgt Ion:168 Resp: 119665
Ion Ratio Lower Upper
168 100
99 74.7 54.9 82.3



#6
Chloroethane
Concen: 0.257 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.018 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 64 Resp: 251
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#





#8

Diethyl Ether

Concen: 31.405 ug/l

RT: 2.148 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX046564.D

Acq: 07 Jun 2025 07:44

Instrument :

MSVOA_X

ClientSampleId :

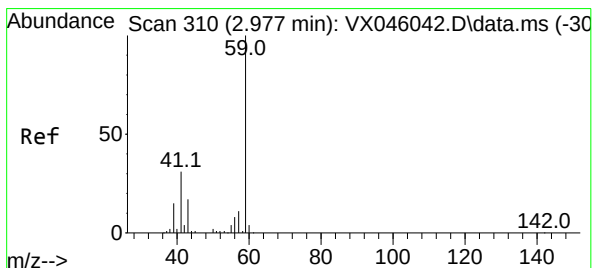
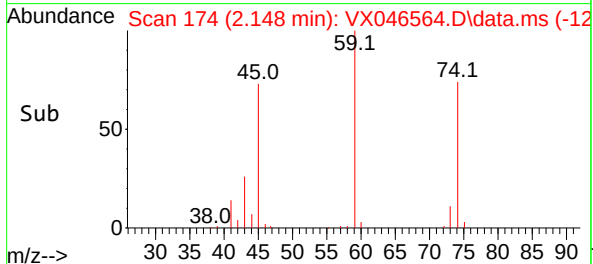
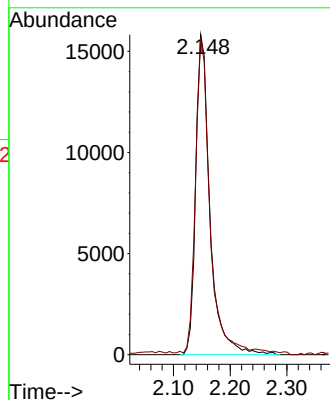
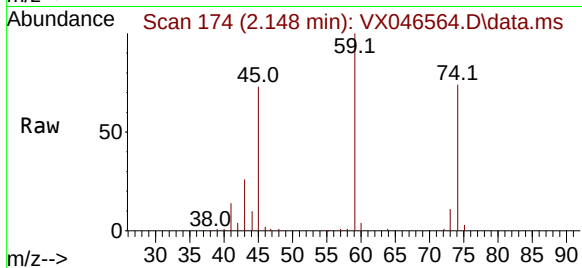
TP06-MHI-WC

Tgt Ion: 74 Resp: 27675

Ion Ratio Lower Upper

74 100

45 97.4 54.9 164.8



#11

Tert butyl alcohol

Concen: 0.394 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX046564.D

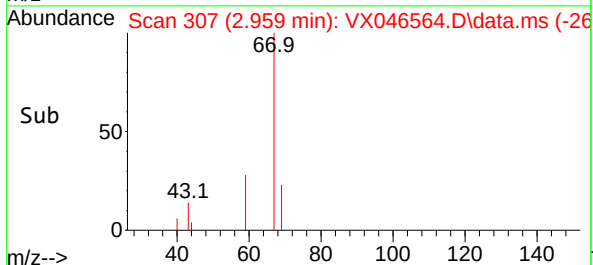
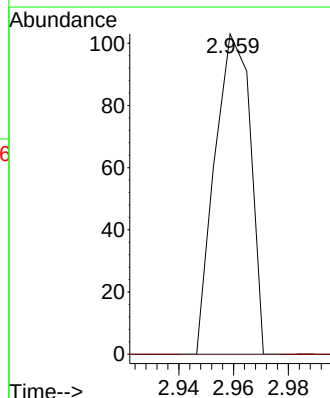
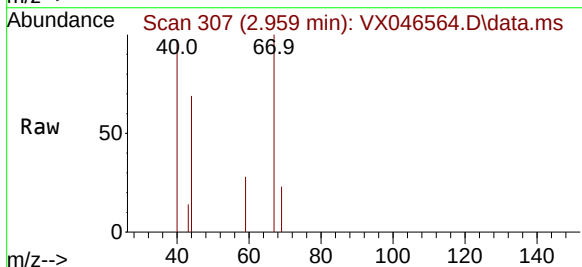
Acq: 07 Jun 2025 07:44

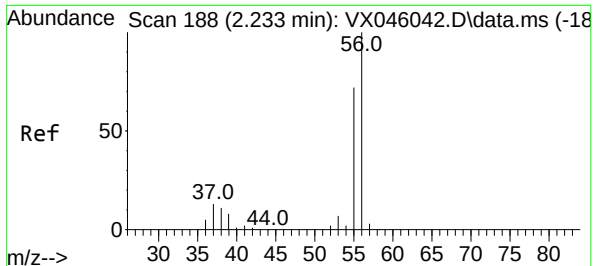
Tgt Ion: 59 Resp: 93

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

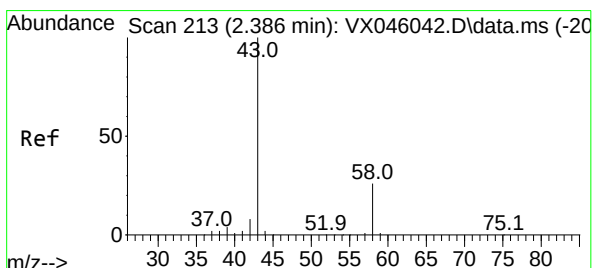
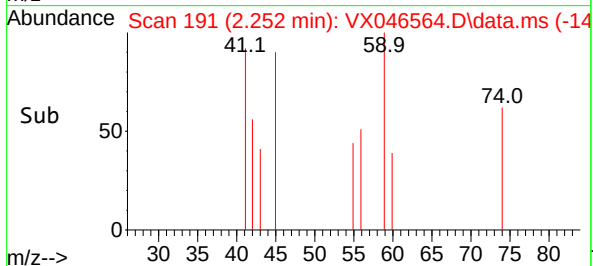
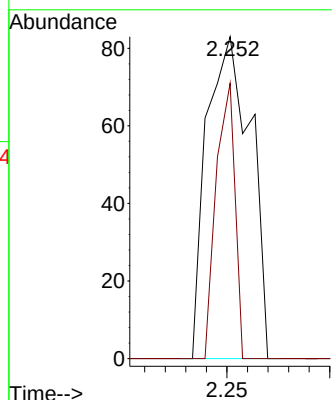
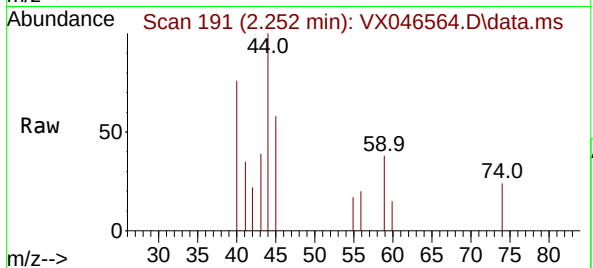




#13
Acrolein
Concen: 30.384 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.001 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

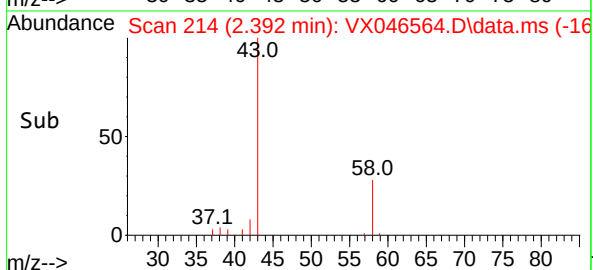
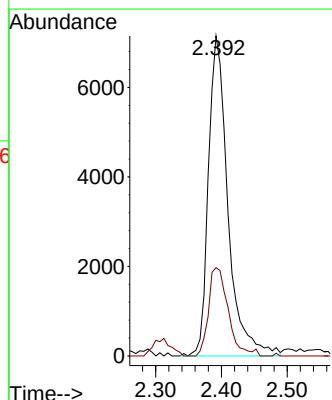
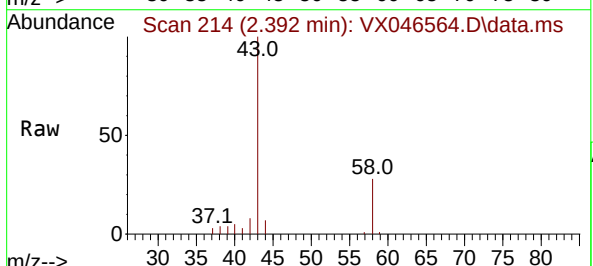
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

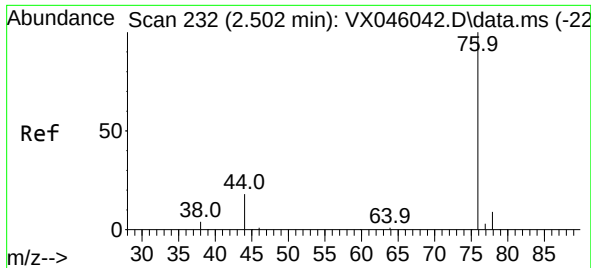
Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 36.6 56.2 84.4#



#16
Acetone
Concen: 21.967 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 43 Resp: 14796
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8

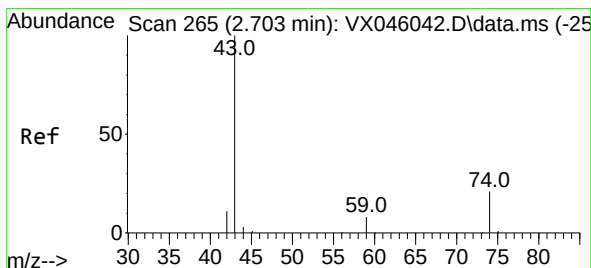
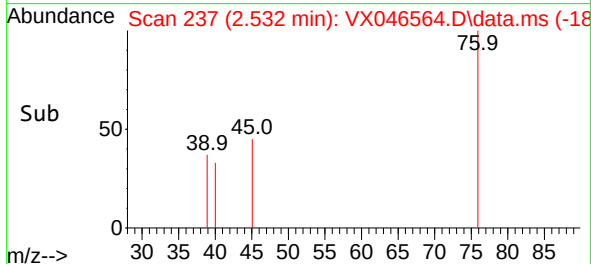
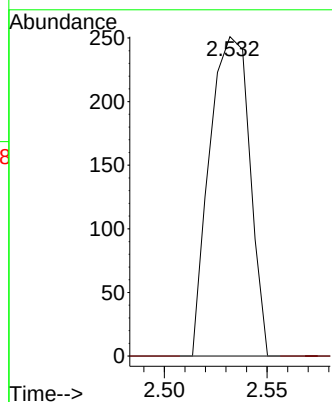
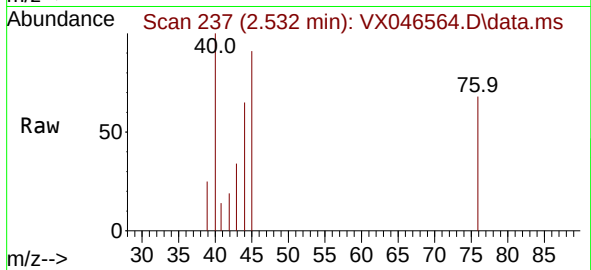




#17
Carbon Disulfide
Concen: 0.315 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

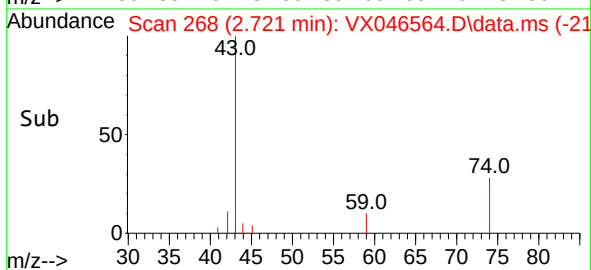
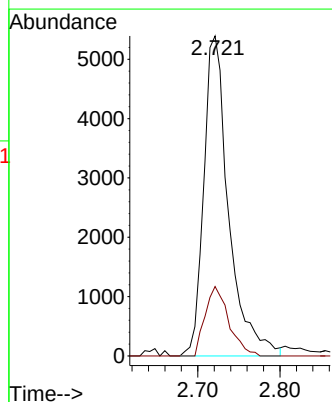
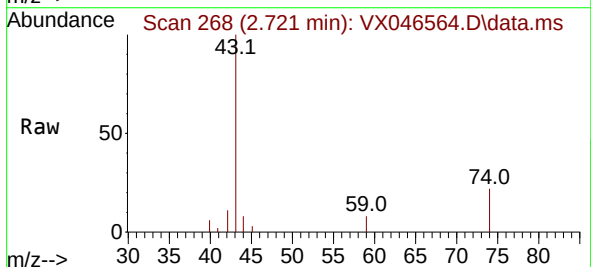
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

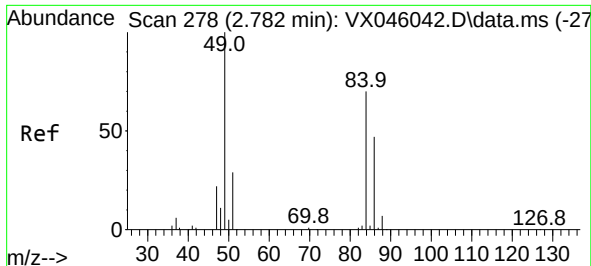
Tgt Ion: 76 Resp: 341
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 4.475 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 43 Resp: 11349
Ion Ratio Lower Upper
43 100
74 20.6 16.7 25.1



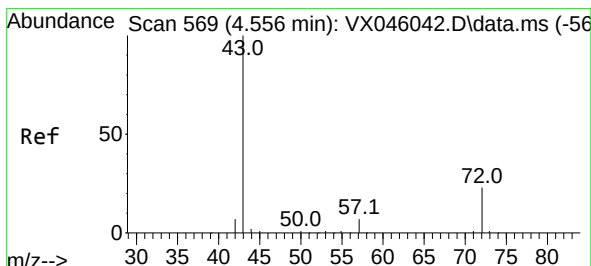
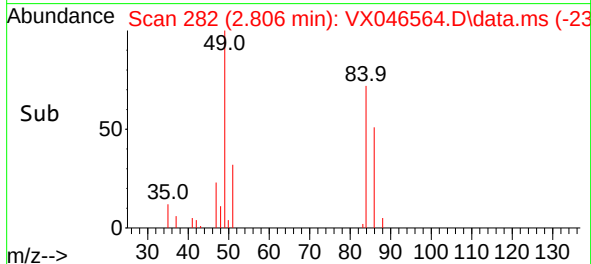
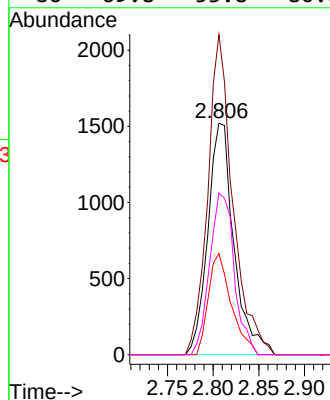
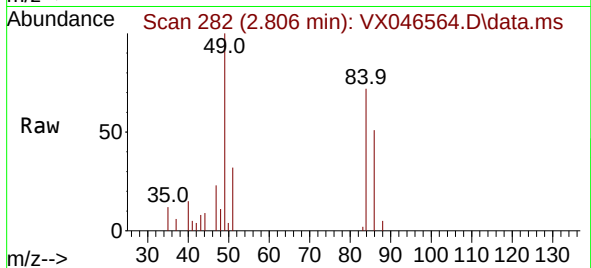


#20
Methylene Chloride
Concen: 1.772 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

Tgt Ion: 84 Resp: 3027

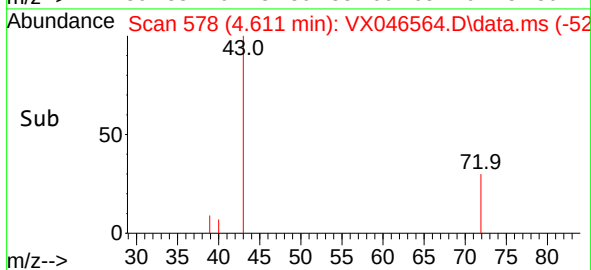
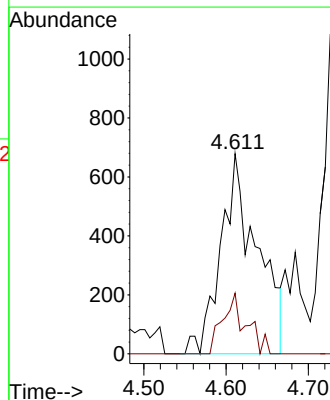
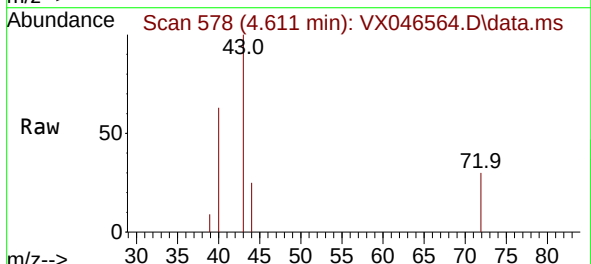
Ion	Ratio	Lower	Upper
84	100		
49	138.2	113.9	170.9
51	43.7	33.5	50.3
86	69.8	53.8	80.8

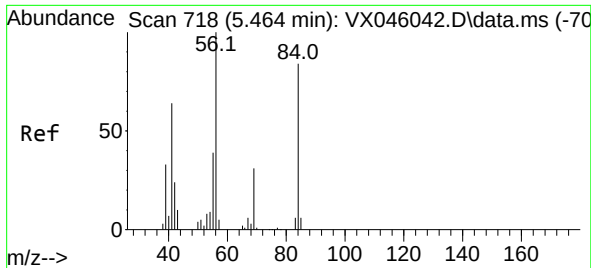


#25
2-Butanone
Concen: 1.755 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.037 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 43 Resp: 2080

Ion	Ratio	Lower	Upper
43	100		
72	30.3	18.4	27.6

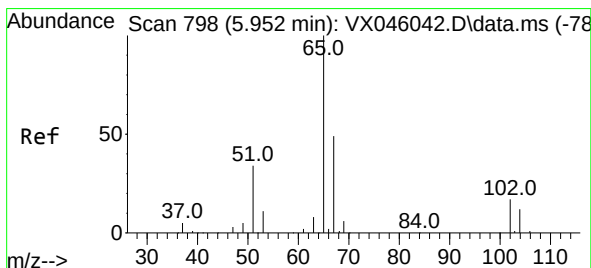
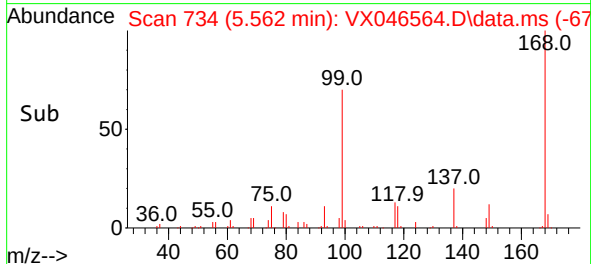
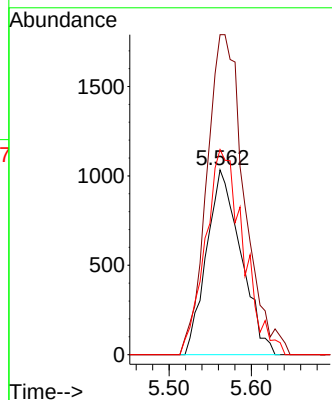
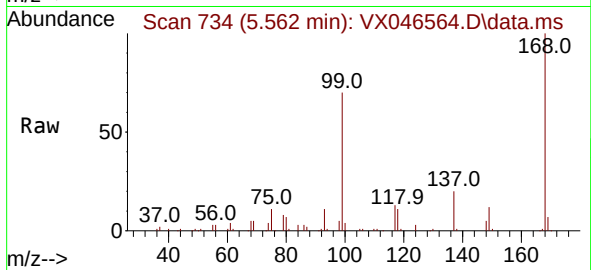




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

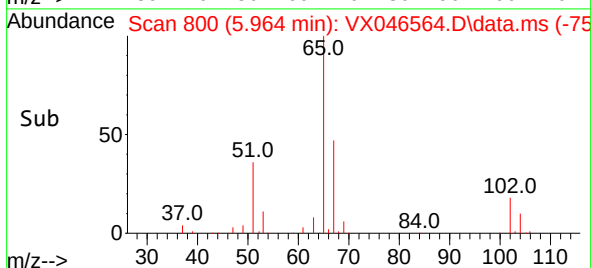
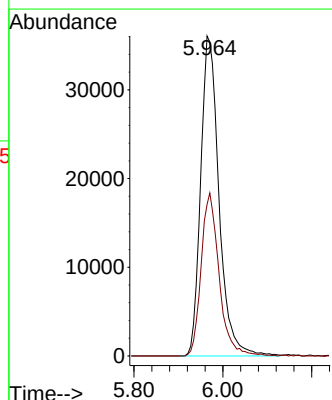
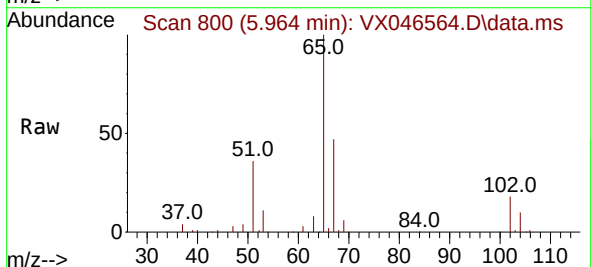
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

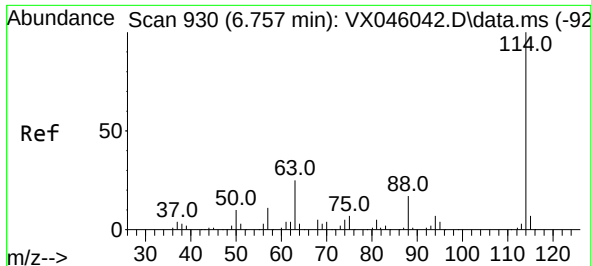
Tgt Ion: 56 Resp: 3003
Ion Ratio Lower Upper
56 100
69 173.1 24.4 36.6#
84 110.9 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 48.639 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 65 Resp: 103550
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.0

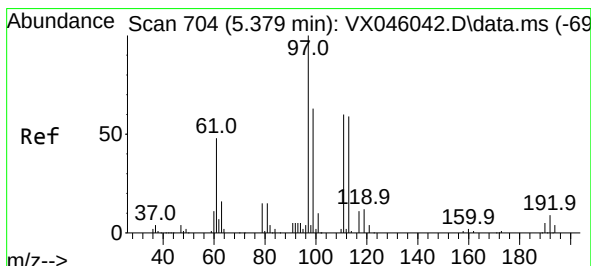
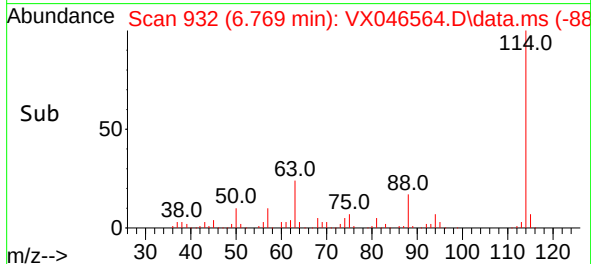
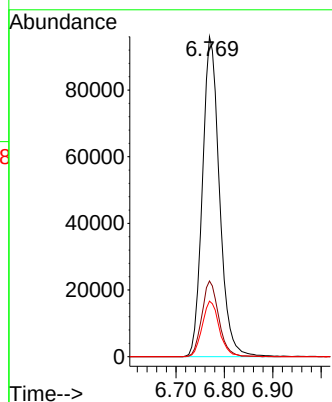
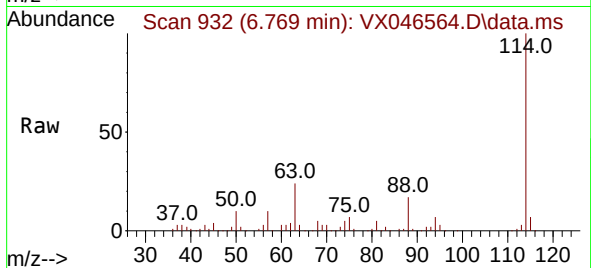




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VX046564.D
 Acq: 07 Jun 2025 07:44

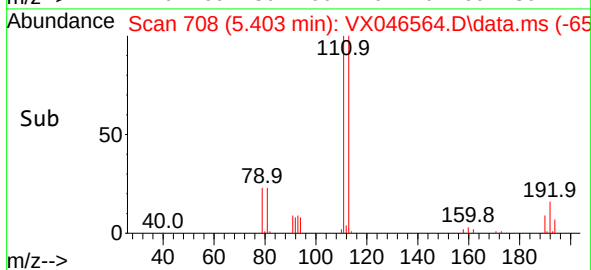
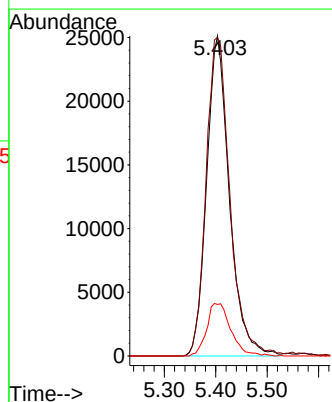
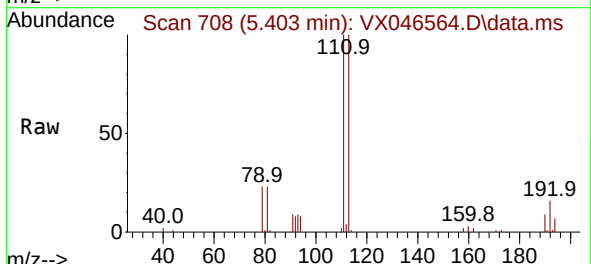
Instrument :
 MSVOA_X
 ClientSampleId :
 TP06-MHI-WC

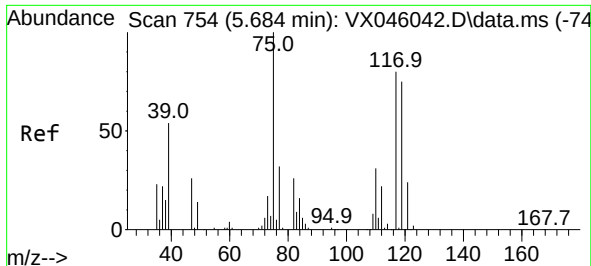
Tgt Ion:114 Resp: 234821
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 17.4 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 44.716 ug/l
 RT: 5.403 min Scan# 708
 Delta R.T. 0.000 min
 Lab File: VX046564.D
 Acq: 07 Jun 2025 07:44

Tgt Ion:113 Resp: 77218
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.1 124.7
 192 17.2 13.3 19.9

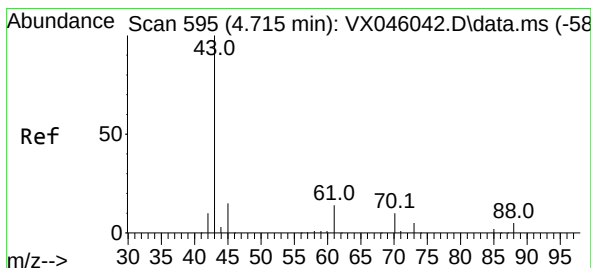
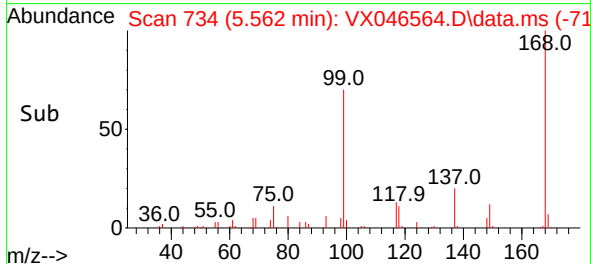
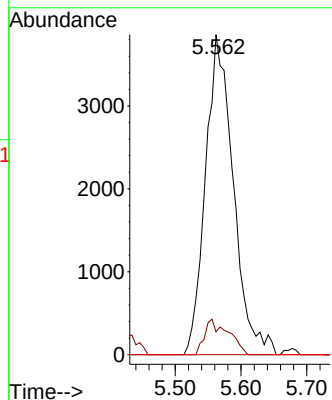
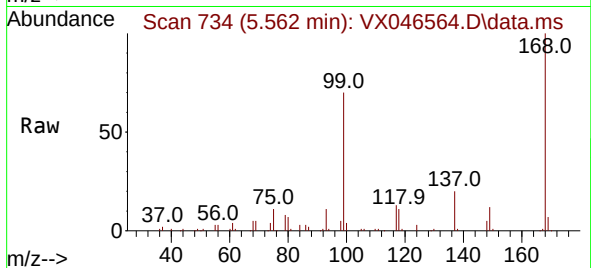




#36
1,1-Dichloropropene
Concen: 4.605 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

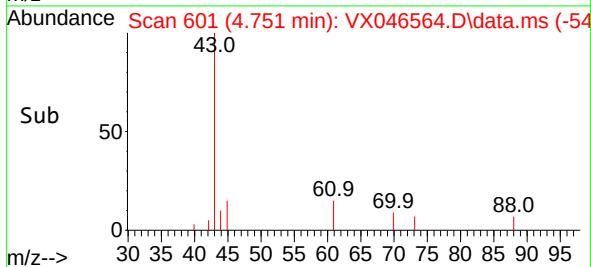
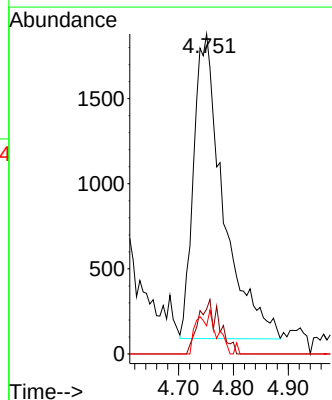
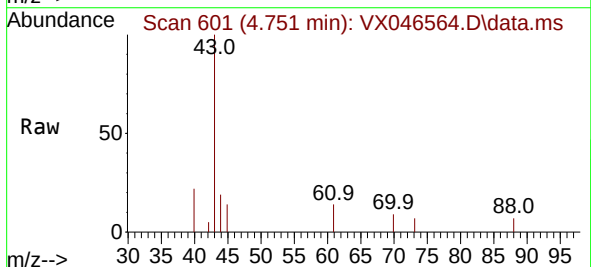
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

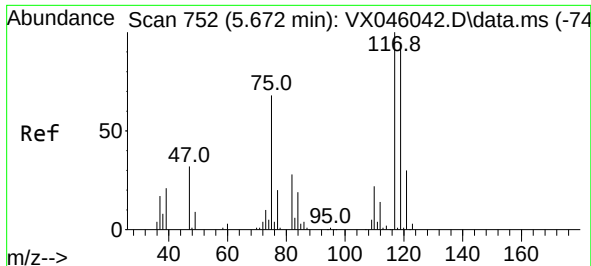
Tgt Ion: 75 Resp: 11358
Ion Ratio Lower Upper
75 100
110 9.4 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.791 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

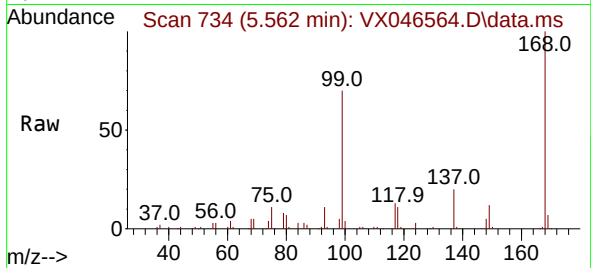
Tgt Ion: 43 Resp: 6720
Ion Ratio Lower Upper
43 100
61 12.5 10.3 15.5
70 9.4 7.9 11.9



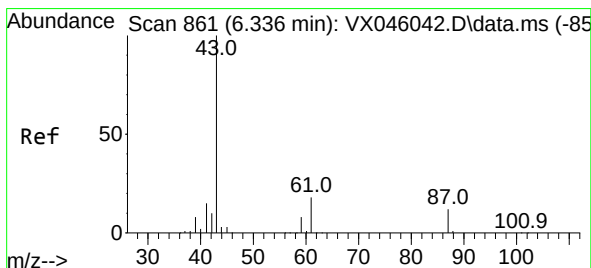
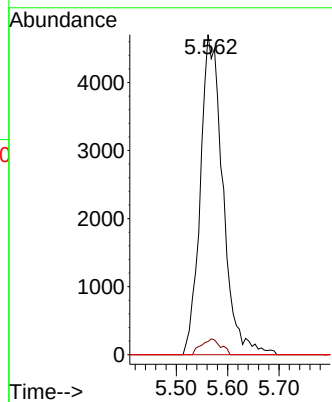
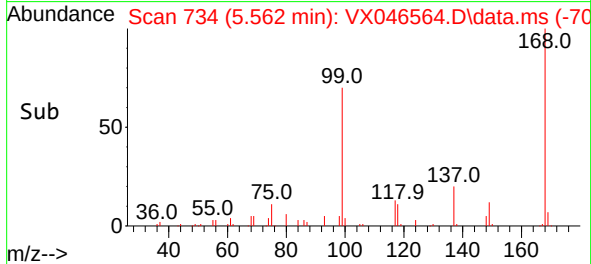


#38
Carbon Tetrachloride
Concen: 5.178 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

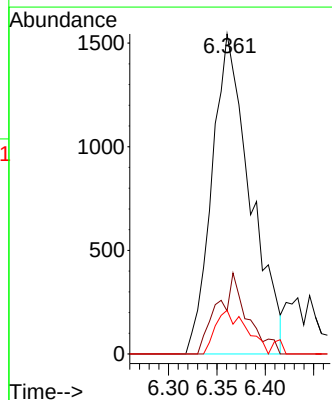
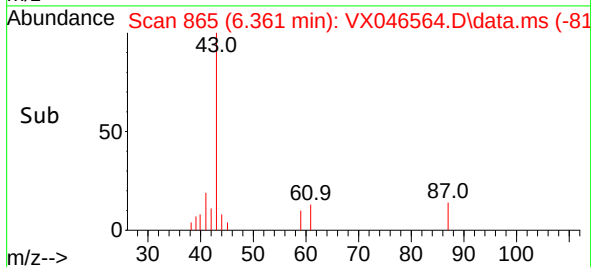
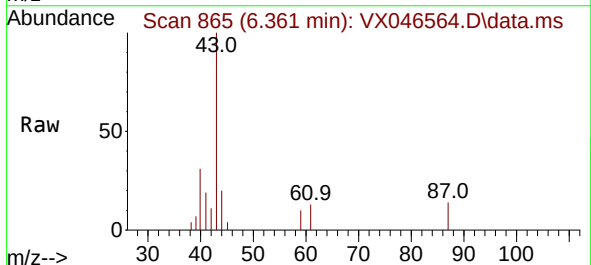


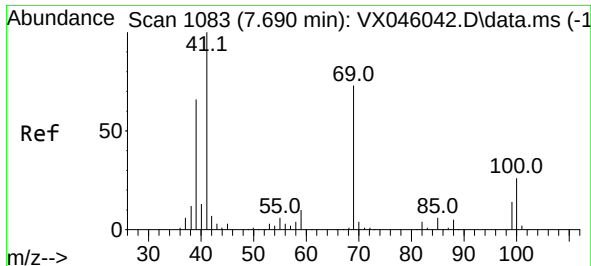
Tgt Ion:117 Resp: 14305
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.010 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.007 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 43 Resp: 4241
Ion Ratio Lower Upper
43 100
61 19.7 14.3 21.5
87 11.1 9.5 14.3

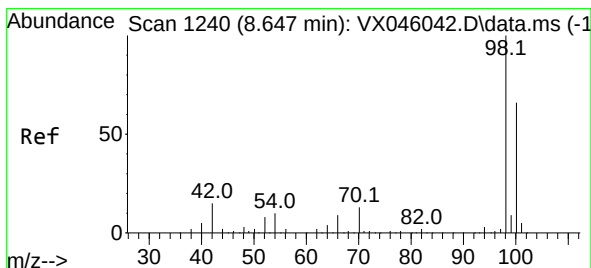
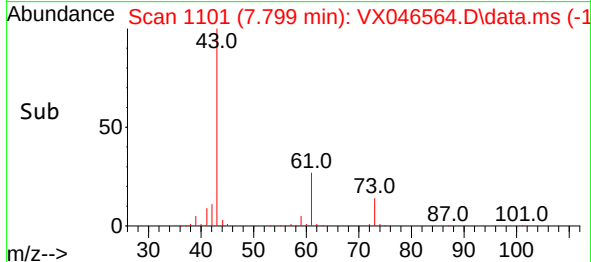
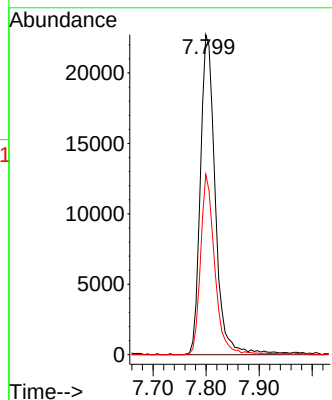
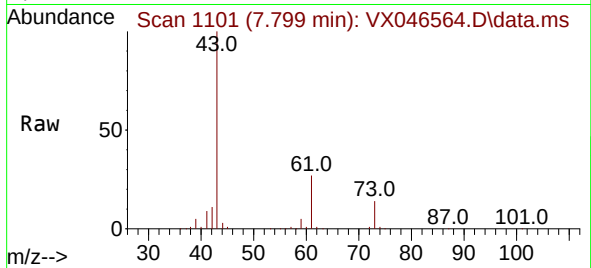




#48
Methyl methacrylate
Concen: 20.563 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

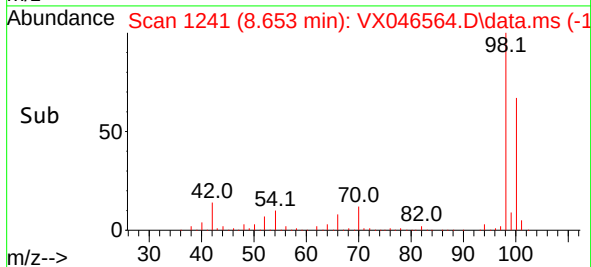
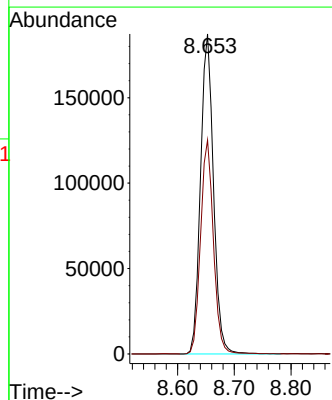
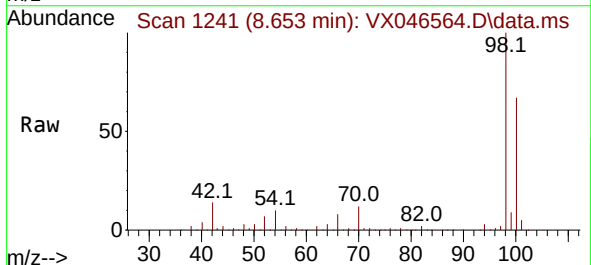
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

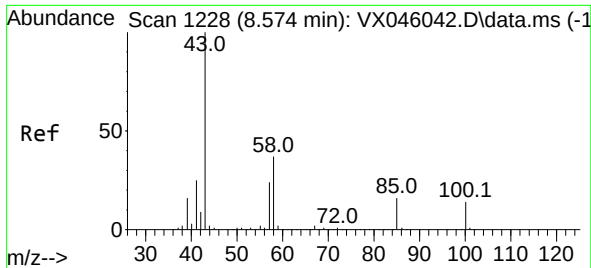
Tgt Ion: 41 Resp: 44405
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.4 51.7 77.5



#50
Toluene-d8
Concen: 52.195 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 98 Resp: 297158
Ion Ratio Lower Upper
98 100
100 66.5 53.5 80.3

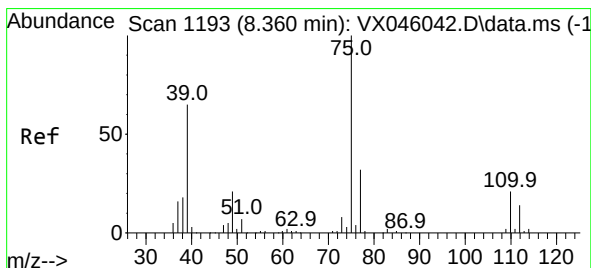
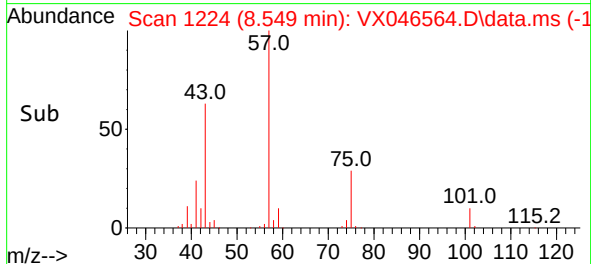
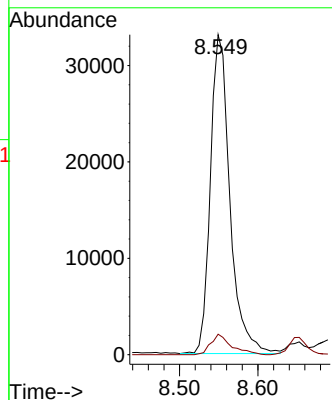
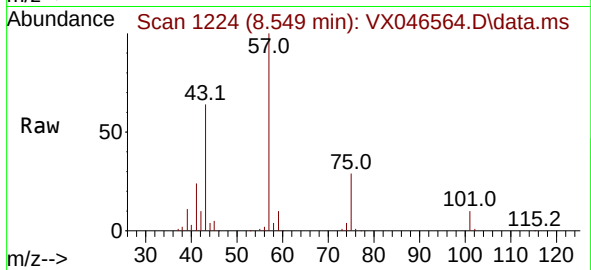




#51
4-Methyl-2-Pentanone
Concen: 21.438 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

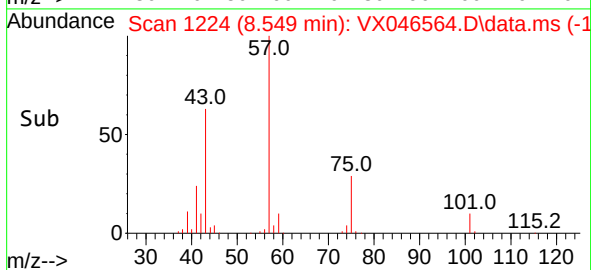
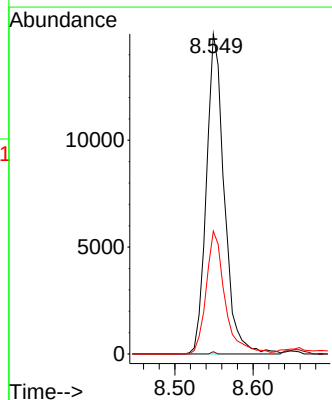
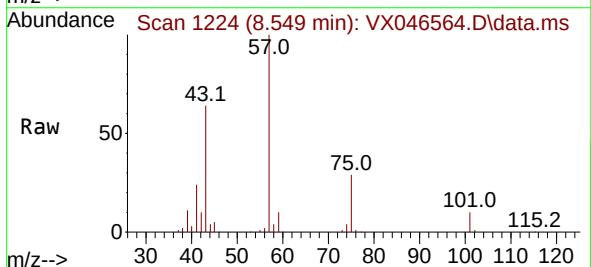
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

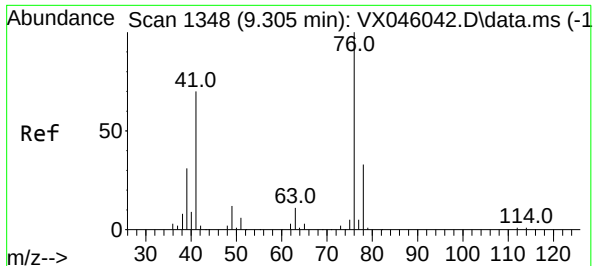
Tgt Ion: 43 Resp: 57176
Ion Ratio Lower Upper
43 100
58 6.8 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 8.591 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 75 Resp: 23745
Ion Ratio Lower Upper
75 100
77 0.7 25.4 38.0#
39 38.4 52.2 78.4#

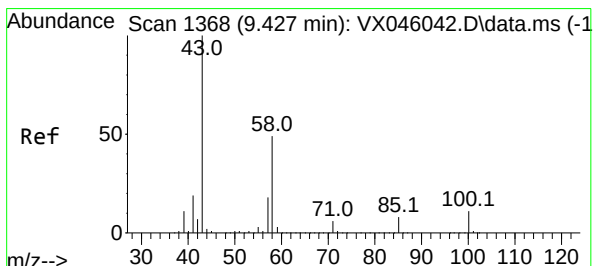
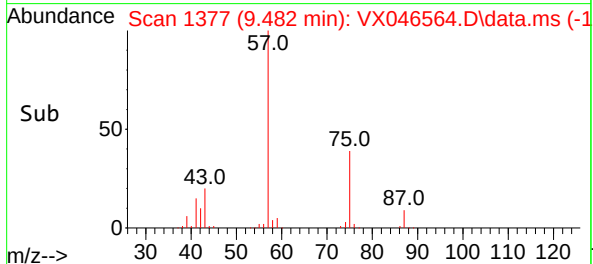
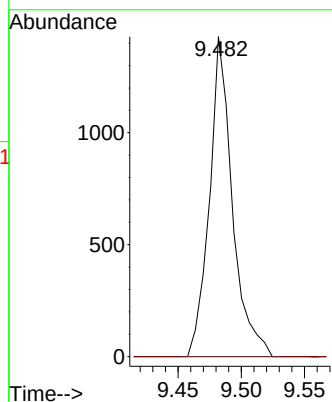
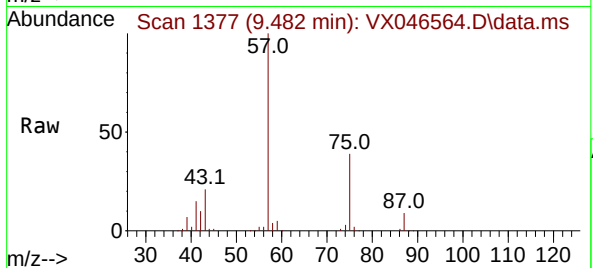




#57
1,3-Dichloropropane
Concen: 0.595 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

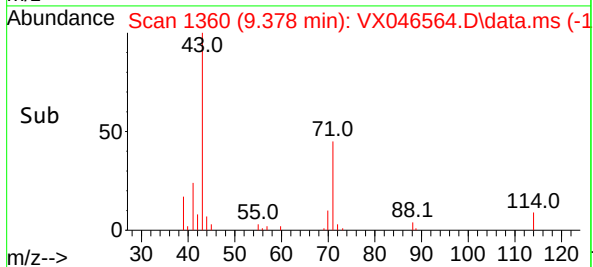
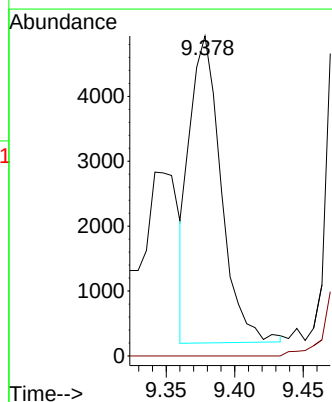
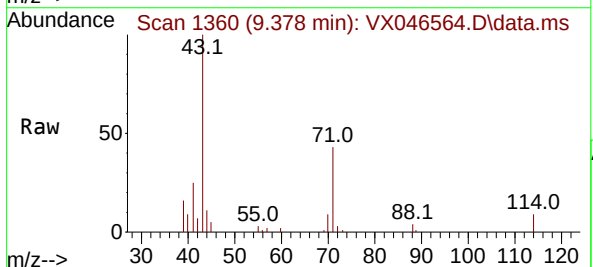
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

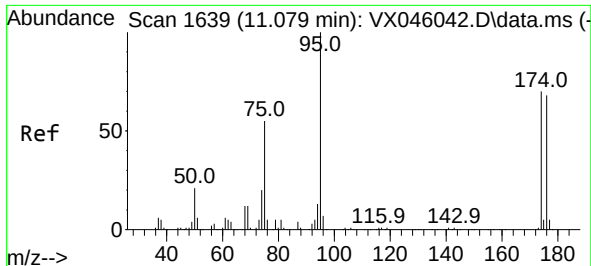
Tgt Ion: 76 Resp: 1801
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 3.939 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 43 Resp: 7534
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

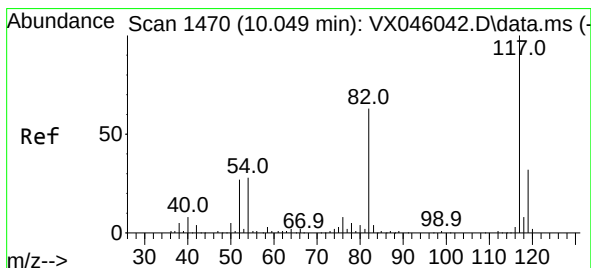
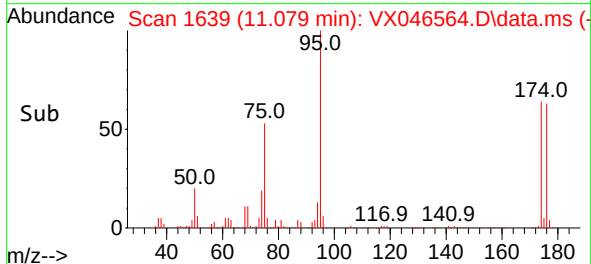
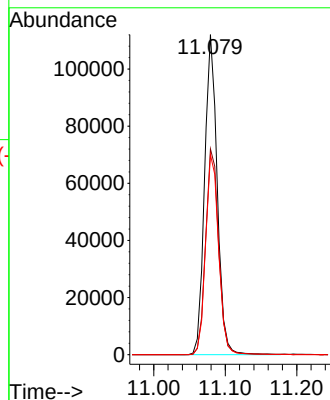
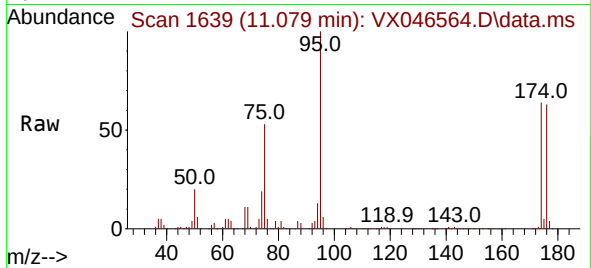




#62
4-Bromofluorobenzene
Concen: 58.342 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

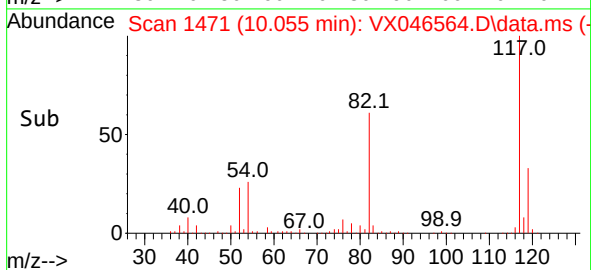
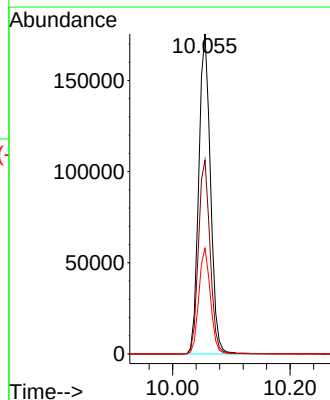
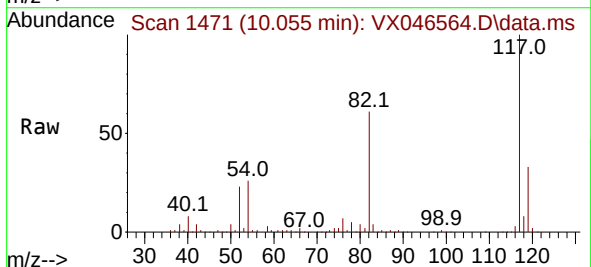
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

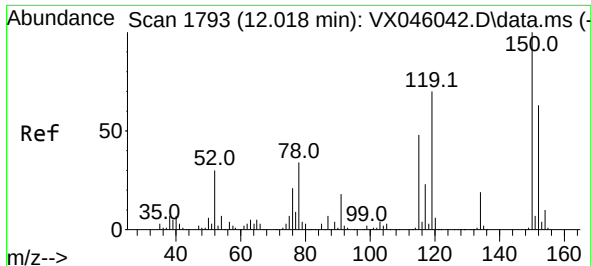
Tgt Ion: 95 Resp: 137428
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.8
176 64.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 117 Resp: 243630
Ion Ratio Lower Upper
117 100
82 60.6 50.6 76.0
119 33.1 25.8 38.6

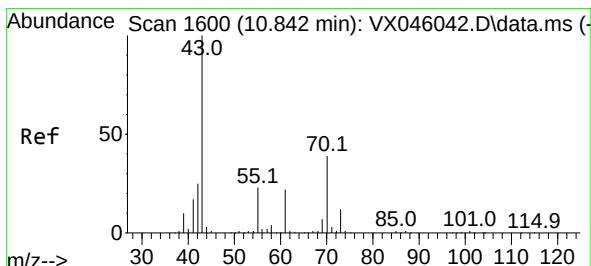
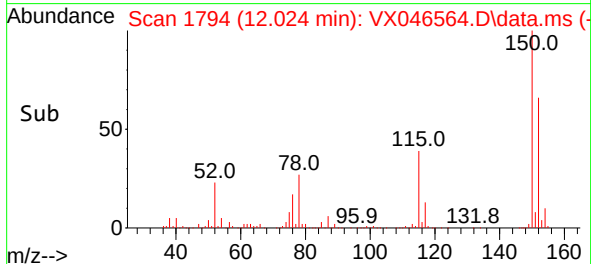
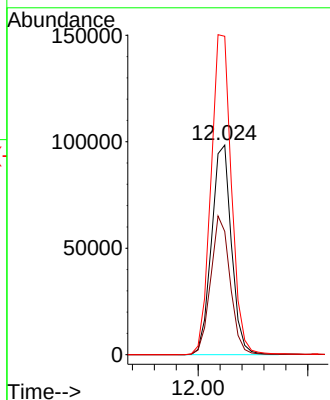
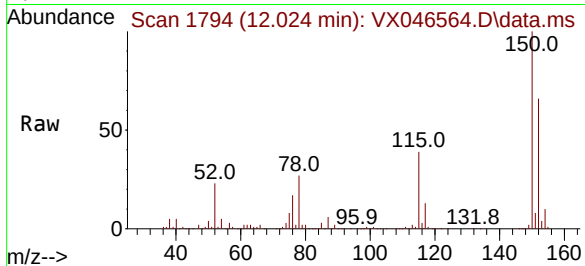




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

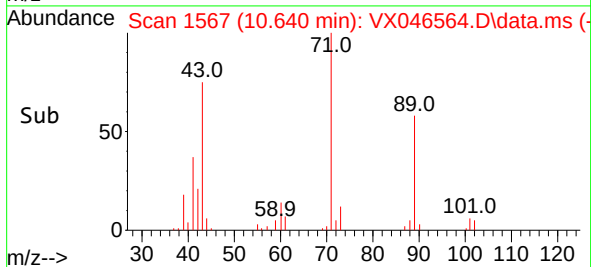
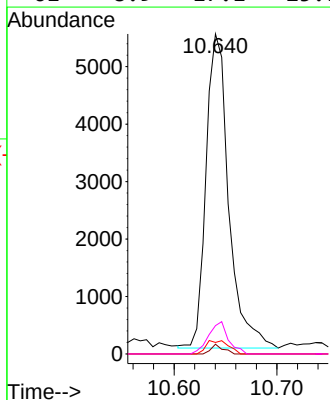
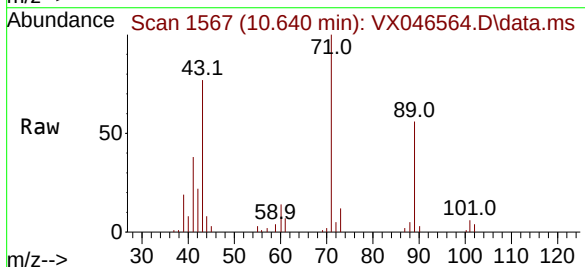
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

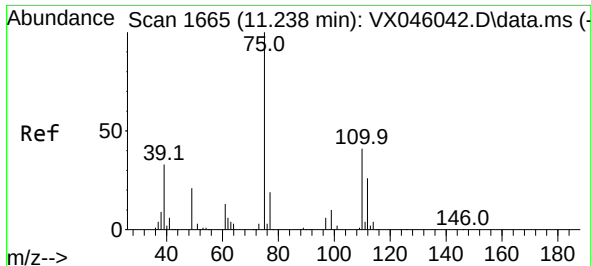
Tgt Ion:152 Resp: 124538
Ion Ratio Lower Upper
152 100
115 64.4 46.9 140.7
150 157.6 0.0 351.0



#74
N-ethyl acetate
Concen: 1.945 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Tgt Ion: 43 Resp: 8386
Ion Ratio Lower Upper
43 100
70 1.6 30.9 46.3#
55 4.2 18.7 28.1#
61 8.9 17.1 25.7#

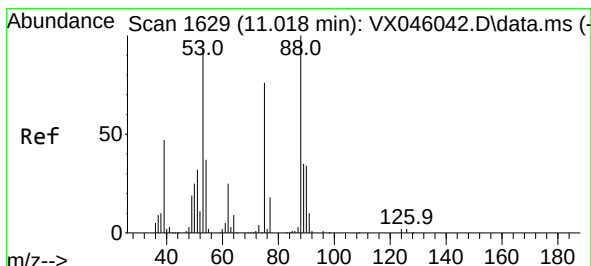
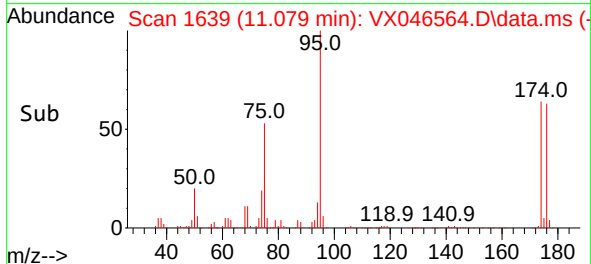
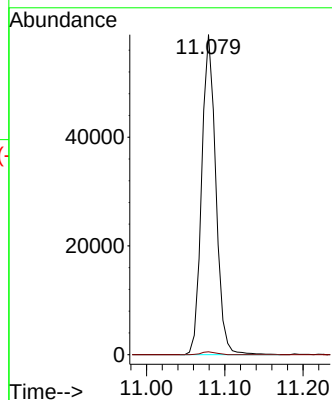
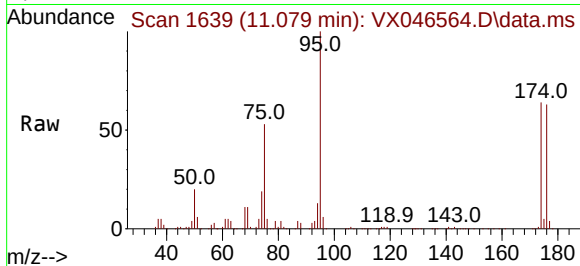




#76
1,2,3-Trichloropropane
Concen: 27.989 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

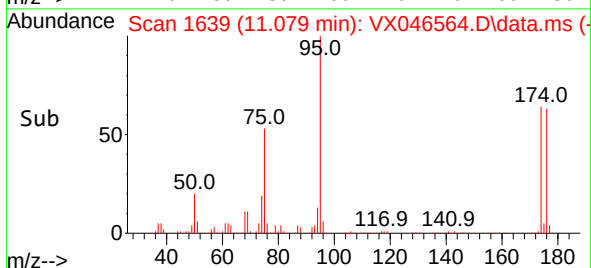
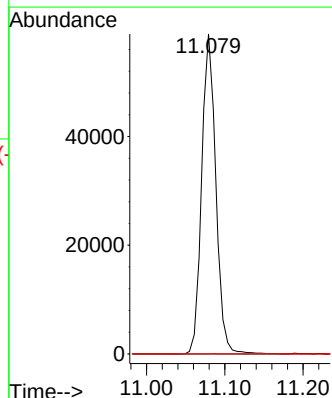
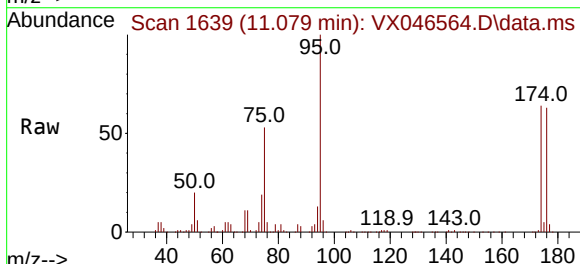
Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC

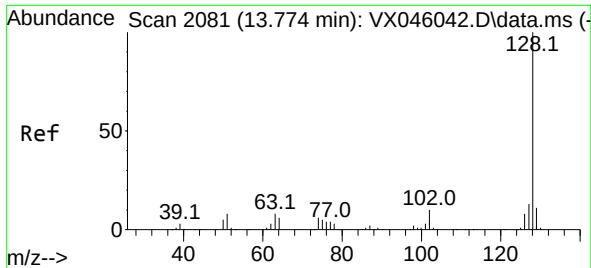
Tgt Ion: 75 Resp: 73832
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.738 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

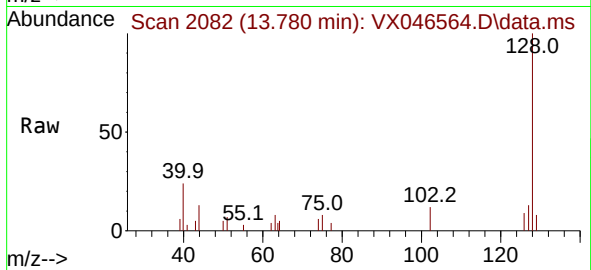
Tgt Ion: 75 Resp: 73832
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.337 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046564.D
Acq: 07 Jun 2025 07:44

Instrument :
MSVOA_X
ClientSampleId :
TP06-MHI-WC



Tgt Ion:128 Resp: 3105
Ion Ratio Lower Upper
128 100
127 10.3 10.4 15.6#
129 7.6 8.6 13.0#

