

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046474.D
 Acq On : 03 Jun 2025 15:43
 Operator : JC/MD
 Sample : Q2160-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP05-MHH-WC

Quant Time: Jun 04 01:29:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

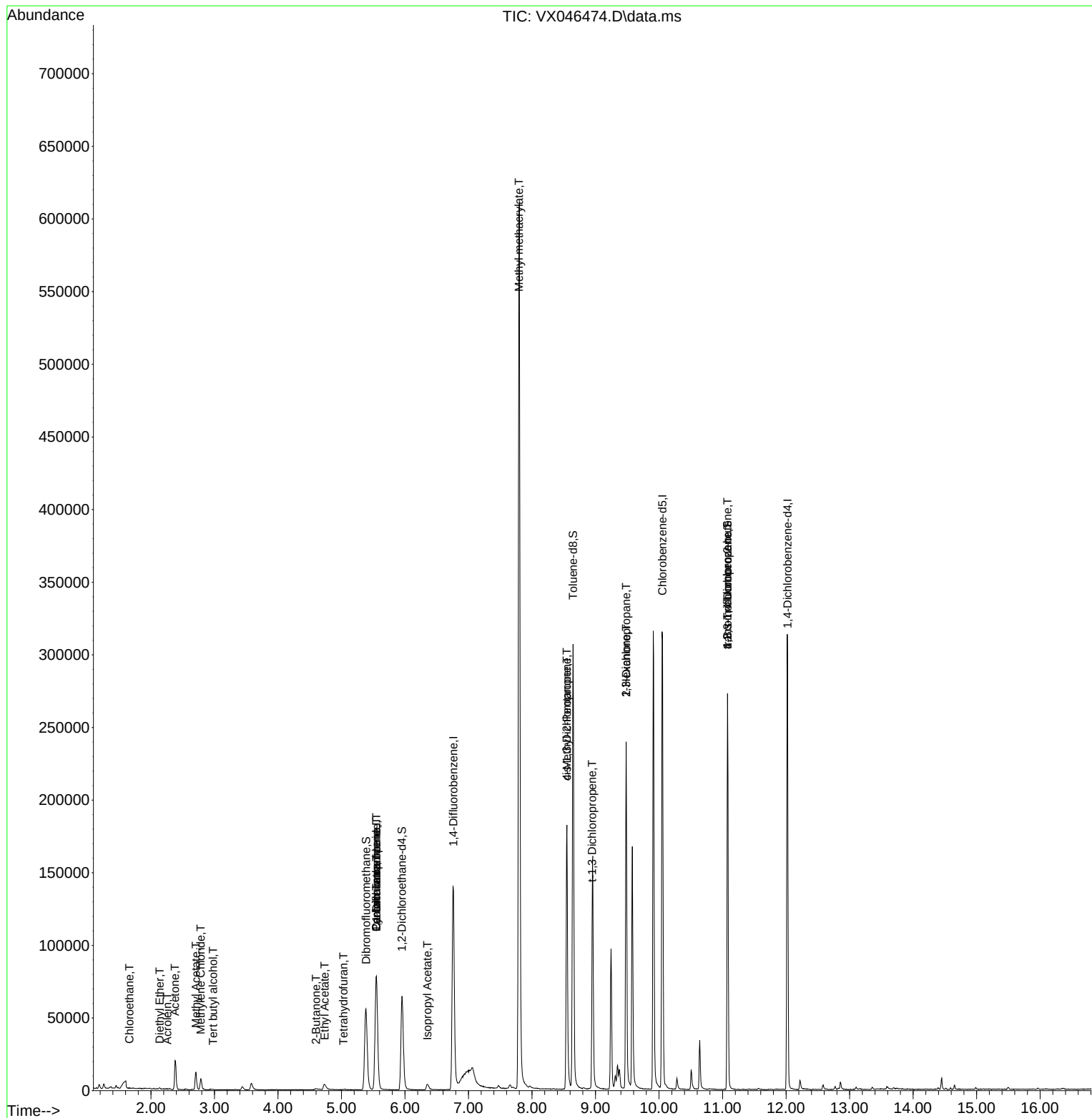
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	67084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137015	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67671	54.108	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.220%	
35) Dibromofluoromethane	5.385	113	48719	49.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.760%	
50) Toluene-d8	8.646	98	171029	50.083	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	11.079	95	70157	53.558	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.120%	
Target Compounds						Qvalue
6) Chloroethane	1.660	64	164	0.332	ug/l #	44
8) Diethyl Ether	2.135	74	203	0.435	ug/l #	31
11) Tert butyl alcohol	2.977	59	376	2.142	ug/l #	72
13) Acrolein	2.257	56	46	0.230	ug/l #	65
16) Acetone	2.379	43	22658	45.184	ug/l	98
18) Methyl Acetate	2.708	43	14976	12.870	ug/l	100
20) Methylene Chloride	2.782	84	3276	3.409	ug/l #	86
25) 2-Butanone	4.598	43	1930	2.651	ug/l	98
29) Tetrahydrofuran	5.031	42	244	0.535	ug/l #	41
31) Cyclohexane	5.549	56	2041	1.369	ug/l #	2
36) 1,1-Dichloropropene	5.549	75	6515	4.915	ug/l #	48
37) Ethyl Acetate	4.732	43	7531	4.598	ug/l	98
38) Carbon Tetrachloride	5.549	117	8153	5.474	ug/l #	16
43) Isopropyl Acetate	6.354	43	6156	2.464	ug/l #	96
48) Methyl methacrylate	7.793	41	60382	47.318	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	67409	40.643	ug/l #	50
53) t-1,3-Dichloropropene	8.945	75	423	0.317	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26871	18.236	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	1976	1.172	ug/l #	42
59) 2-Hexanone	9.482	43	32008	26.085	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	40151	28.063	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	40151	91.366	ug/l #	1

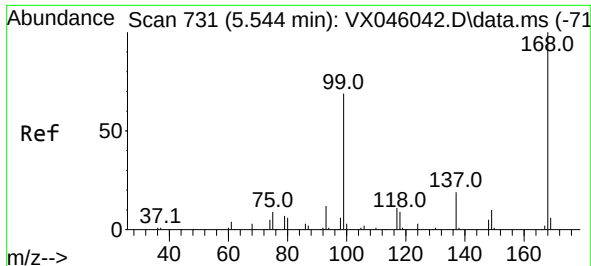
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

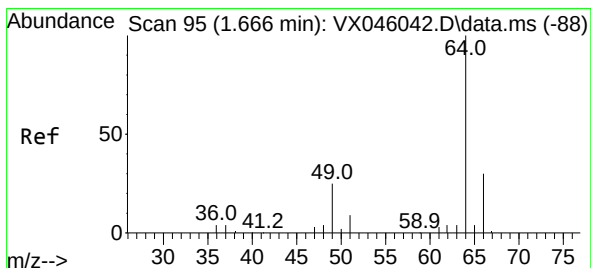
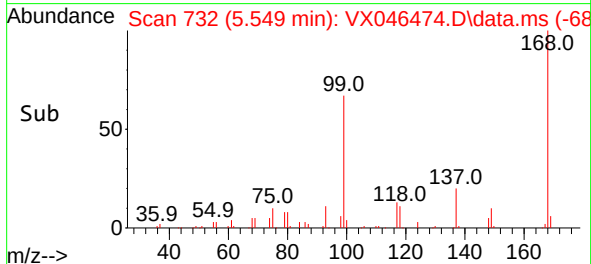
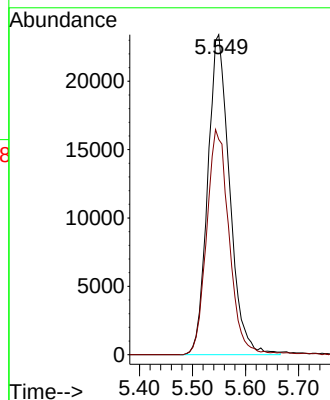
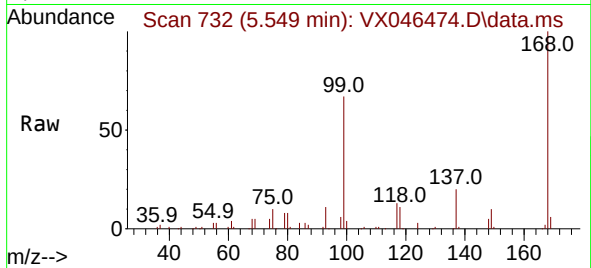




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

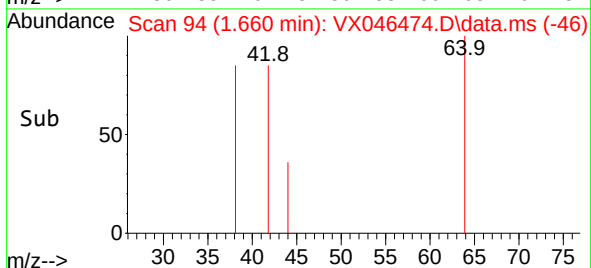
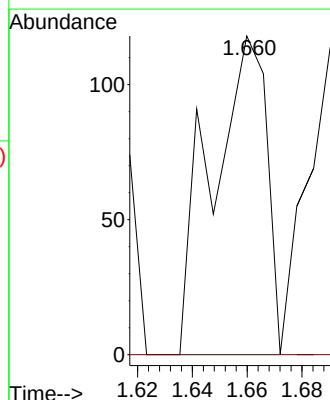
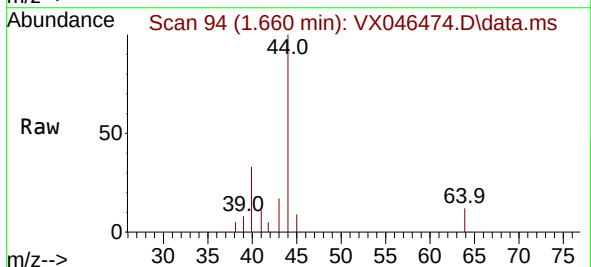
Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

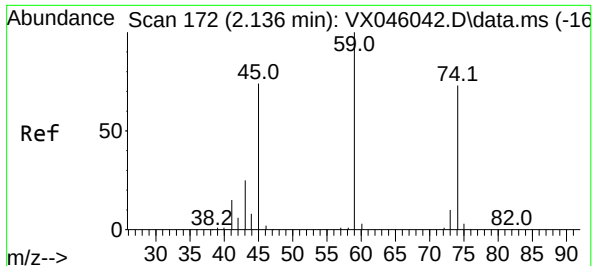
Tgt Ion:168 Resp: 67084
Ion Ratio Lower Upper
168 100
99 67.2 54.9 82.3



#6
Chloroethane
Concen: 0.332 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.007 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 64 Resp: 164
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#





#8

Diethyl Ether

Concen: 0.435 ug/l

RT: 2.135 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046474.D

Acq: 03 Jun 2025 15:43

Instrument :

MSVOA_X

ClientSampleId :

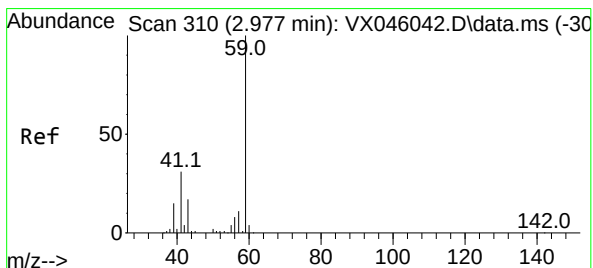
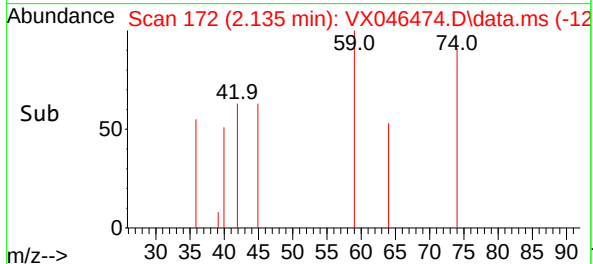
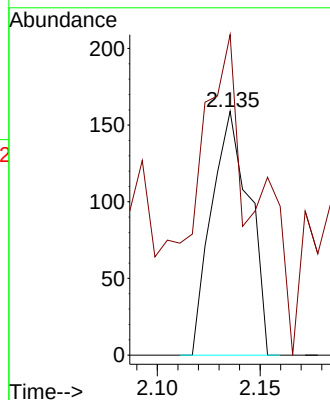
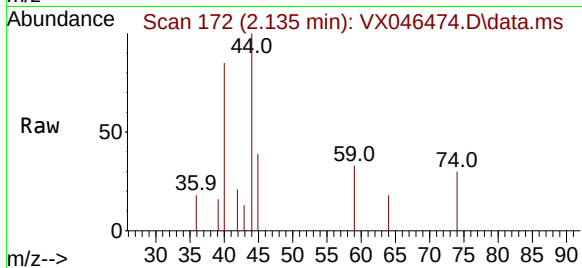
TP05-MHH-WC

Tgt Ion: 74 Resp: 203

Ion Ratio Lower Upper

74 100

45 182.8 54.9 164.8#



#11

Tert butyl alcohol

Concen: 2.142 ug/l

RT: 2.977 min Scan# 310

Delta R.T. -0.000 min

Lab File: VX046474.D

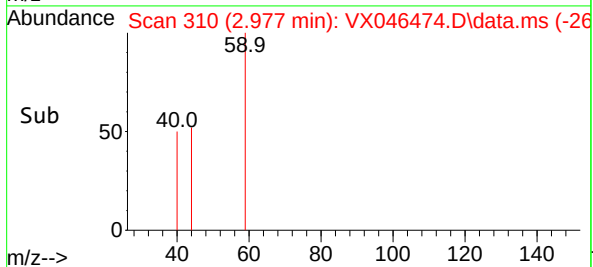
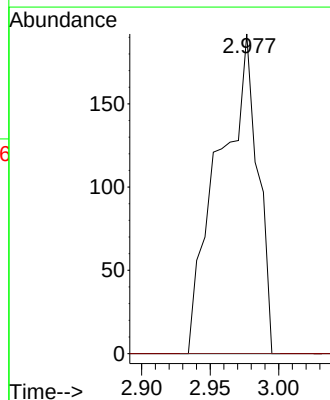
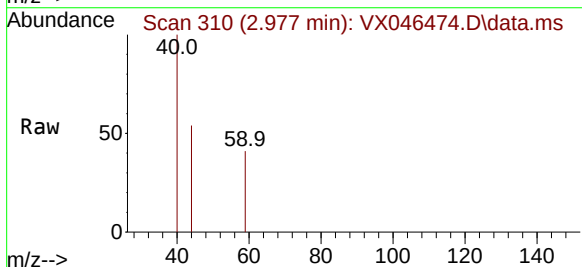
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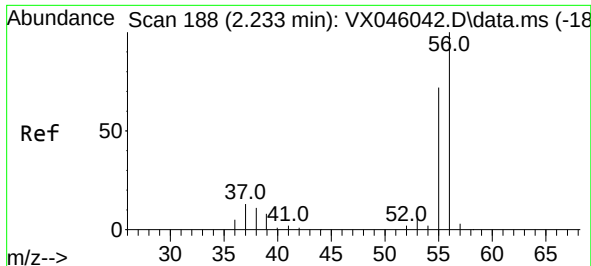
Tgt Ion: 59 Resp: 376

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

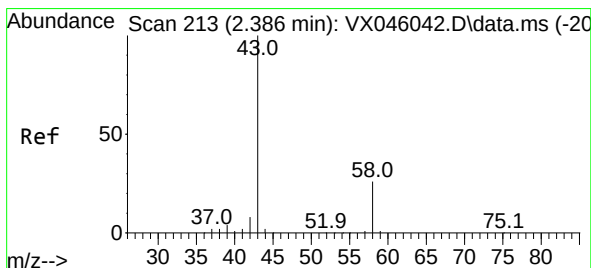
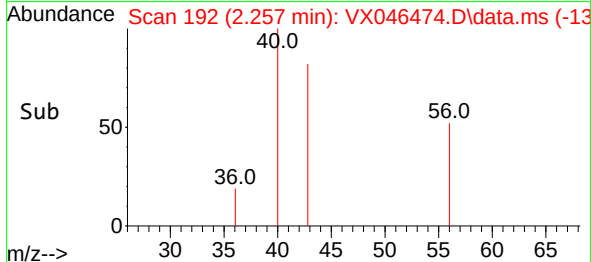
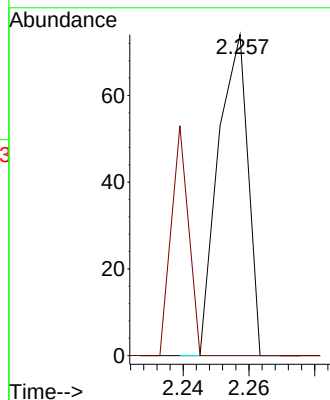
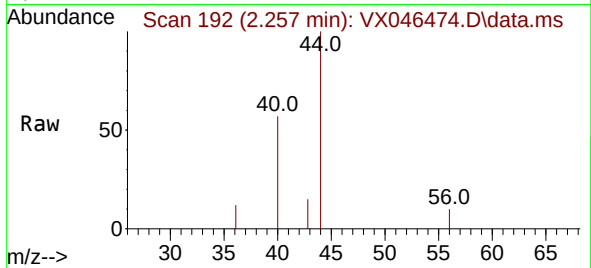




#13
Acrolein
Concen: 0.230 ug/l
RT: 2.257 min Scan# 192
Delta R.T. 0.024 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

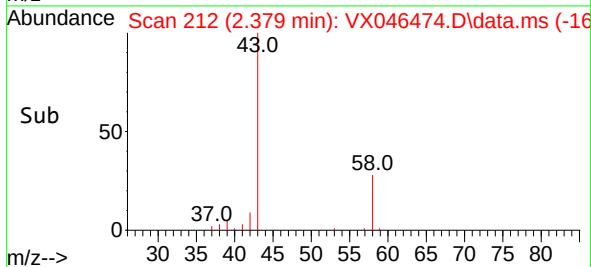
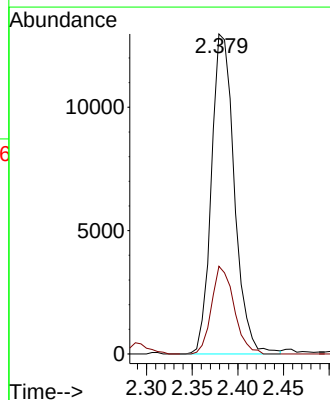
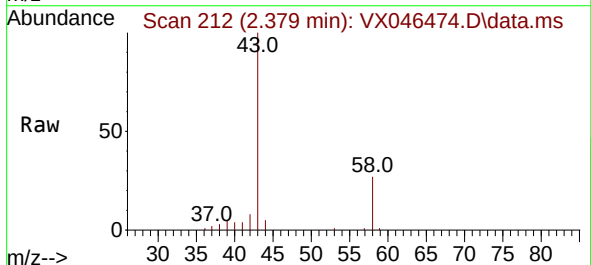
Instrument :
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TP05-MHH-WC

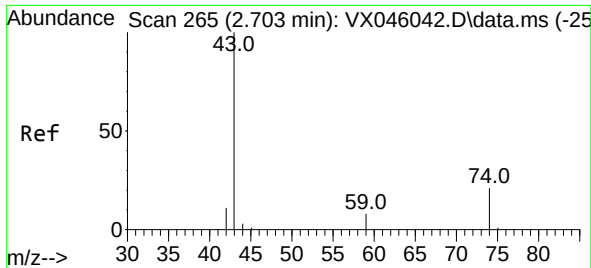
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 41.3 56.2 84.4#



#16
Acetone
Concen: 45.184 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.007 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 43 Resp: 22658
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8

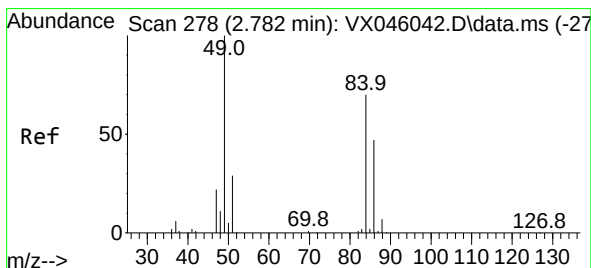
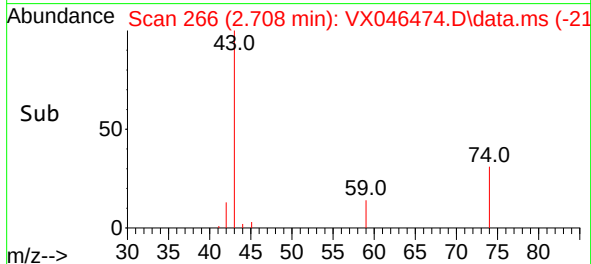
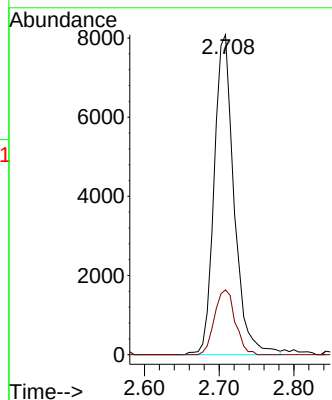
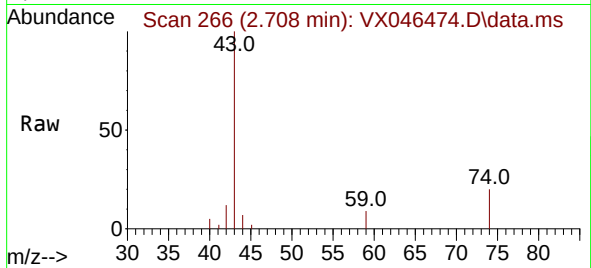




#18
Methyl Acetate
Concen: 12.870 ug/l
RT: 2.708 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

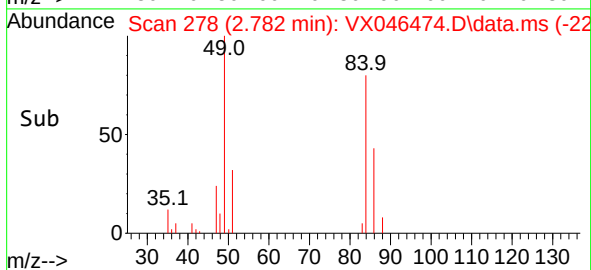
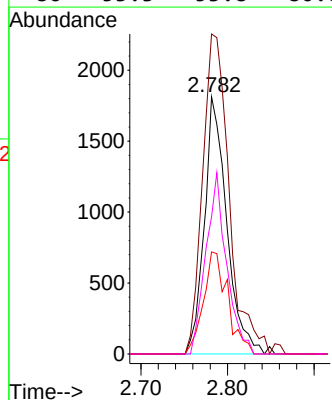
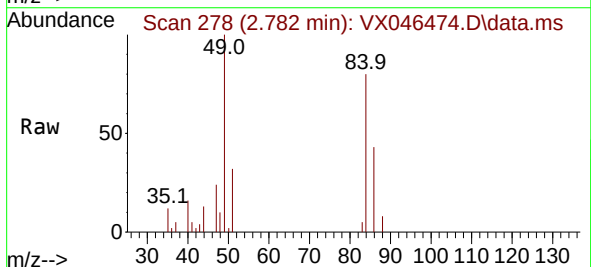
Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

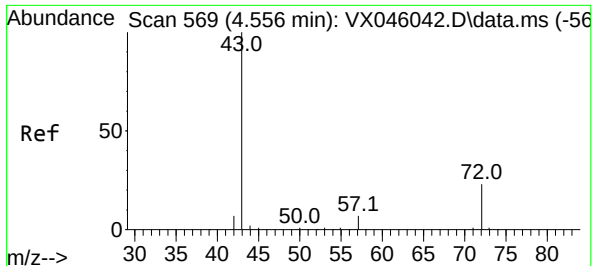
Tgt Ion: 43 Resp: 14976
Ion Ratio Lower Upper
43 100
74 21.0 16.7 25.1



#20
Methylene Chloride
Concen: 3.409 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 84 Resp: 3276
Ion Ratio Lower Upper
84 100
49 124.4 113.9 170.9
51 39.7 33.5 50.3
86 53.3 53.8 80.8#





#25

2-Butanone

Concen: 2.651 ug/l

RT: 4.598 min Scan# 51

Delta R.T. 0.042 min

Lab File: VX046474.D

Acq: 03 Jun 2025 15:43

Instrument :

MSVOA_X

ClientSampleId :

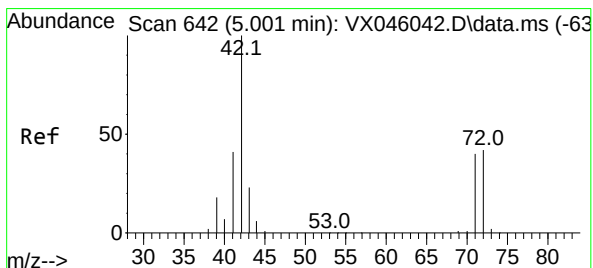
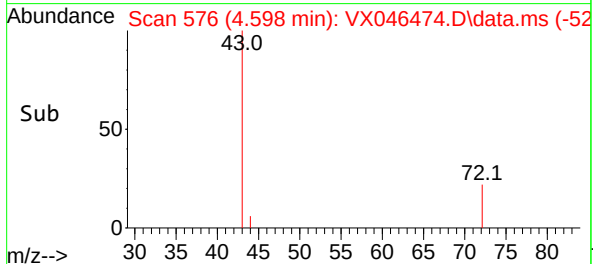
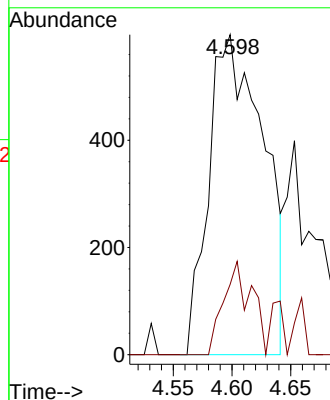
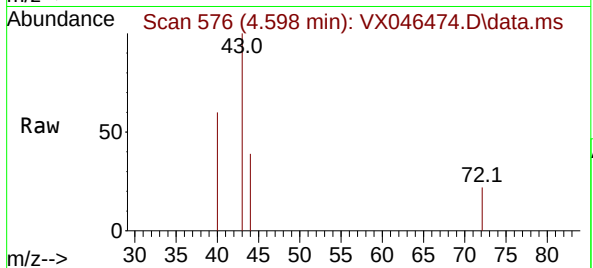
TP05-MHH-WC

Tgt Ion: 43 Resp: 1930

Ion Ratio Lower Upper

43 100

72 21.9 18.4 27.6



#29

Tetrahydrofuran

Concen: 0.535 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.030 min

Lab File: VX046474.D

Acq: 03 Jun 2025 15:43

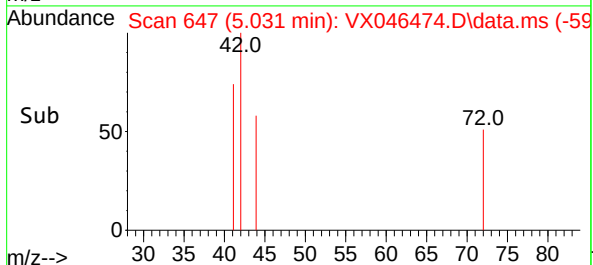
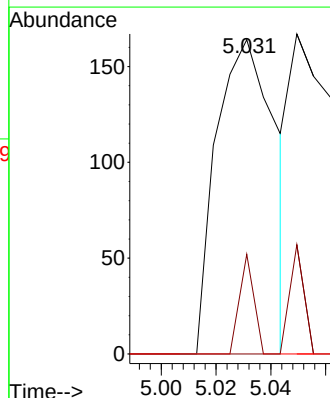
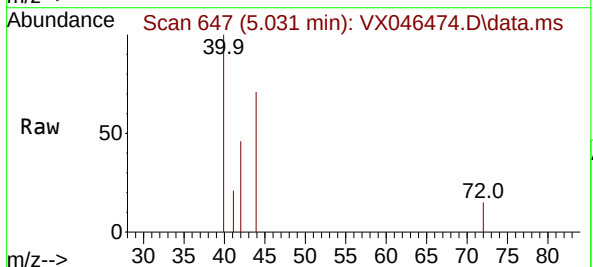
Tgt Ion: 42 Resp: 244

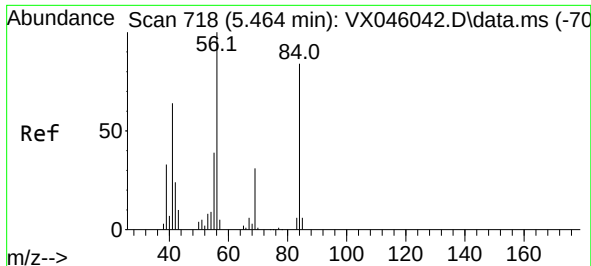
Ion Ratio Lower Upper

42 100

72 7.8 33.7 50.5#

71 0.0 31.4 47.2#

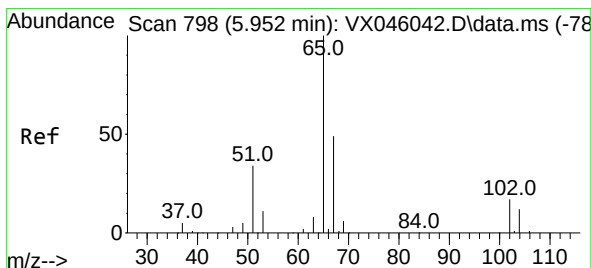
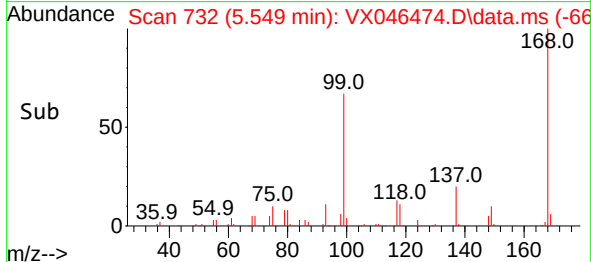
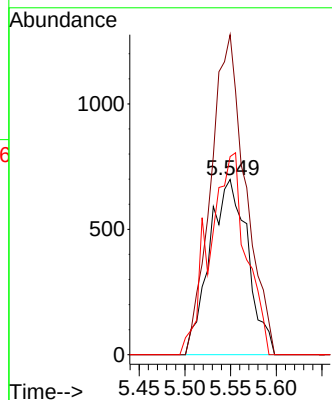
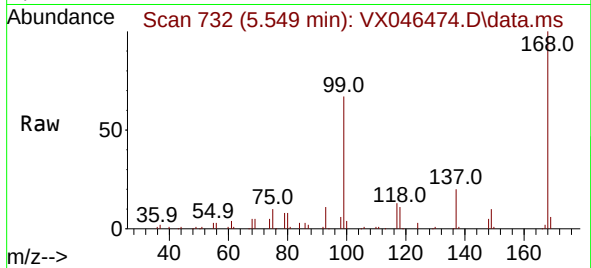




#31
Cyclohexane
Concen: 1.369 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

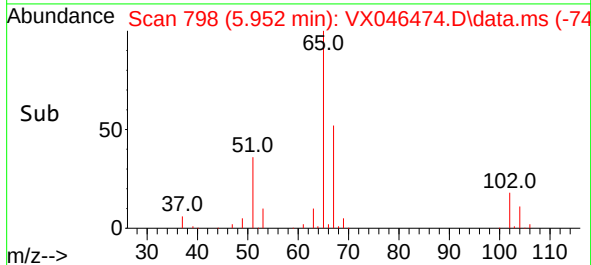
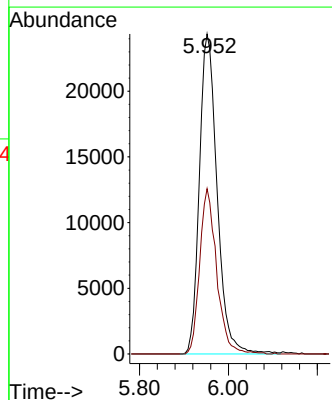
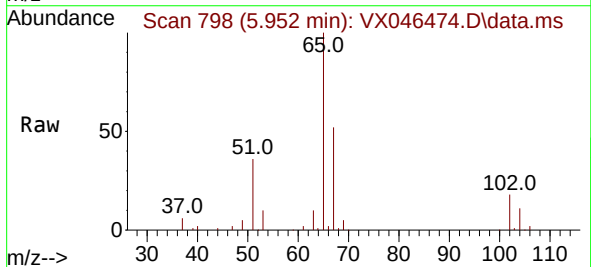
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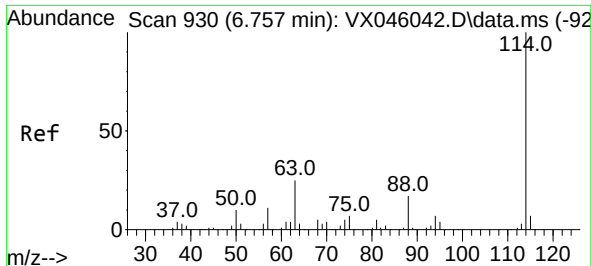
Tgt Ion: 56 Resp: 2041
Ion Ratio Lower Upper
56 100
69 182.5 24.4 36.6#
84 113.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 54.108 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 65 Resp: 67671
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0

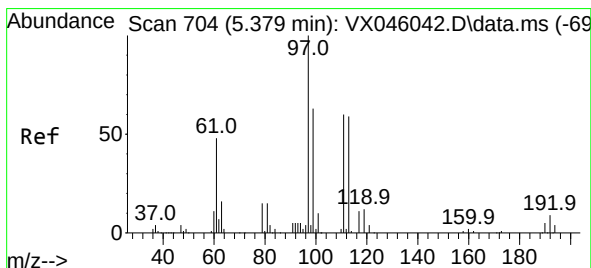
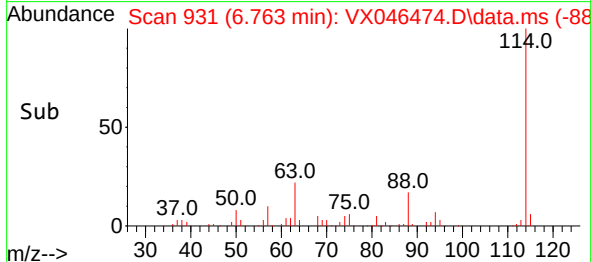
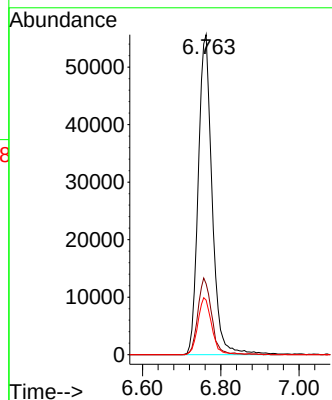
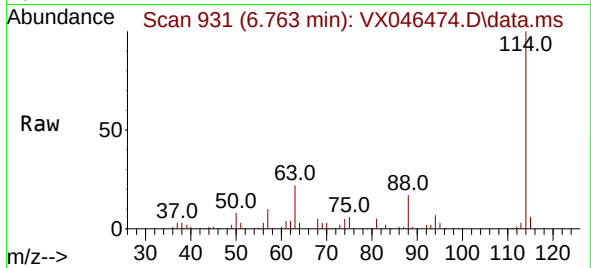




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

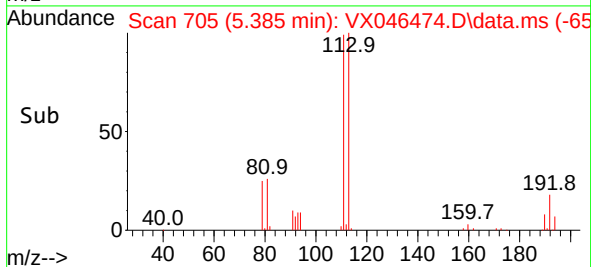
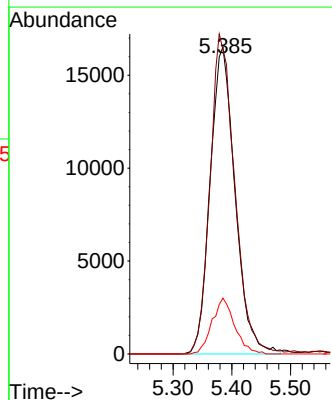
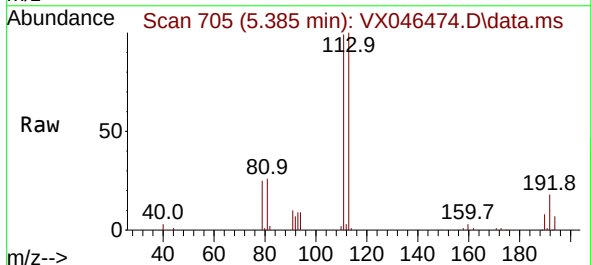
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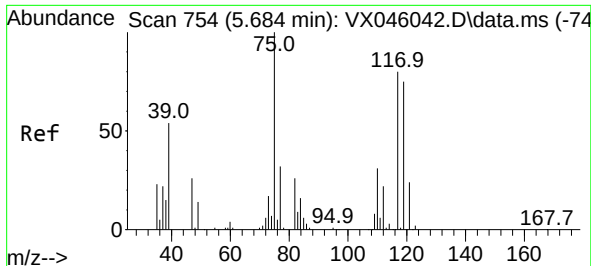
Tgt Ion:114 Resp: 137015
Ion Ratio Lower Upper
114 100
63 22.2 0.0 49.2
88 17.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.378 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion:113 Resp: 48719
Ion Ratio Lower Upper
113 100
111 103.1 83.1 124.7
192 16.5 13.3 19.9

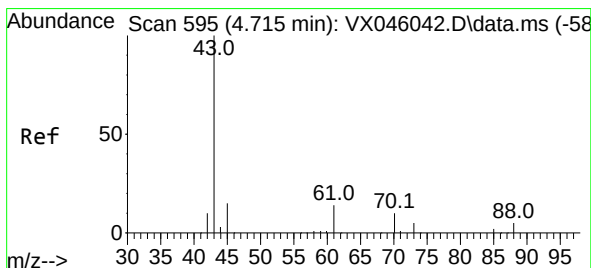
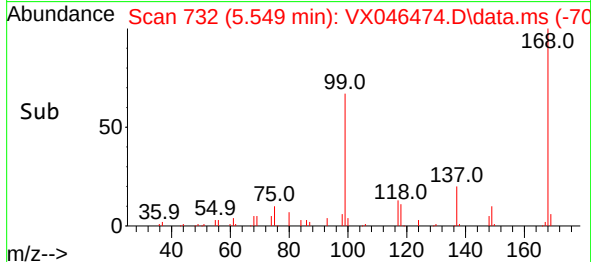
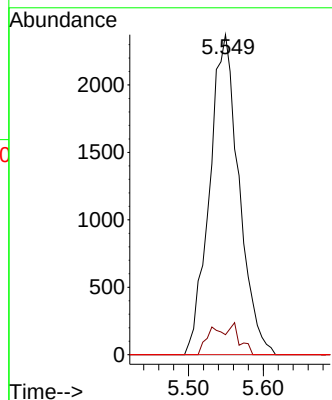
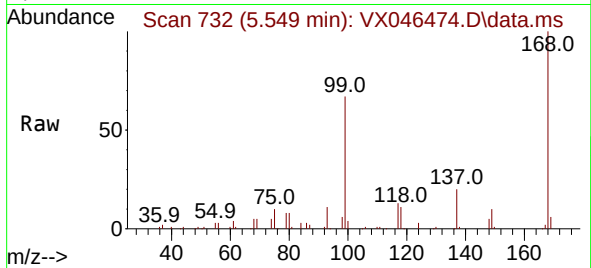




#36
1,1-Dichloropropene
Concen: 4.915 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.135 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

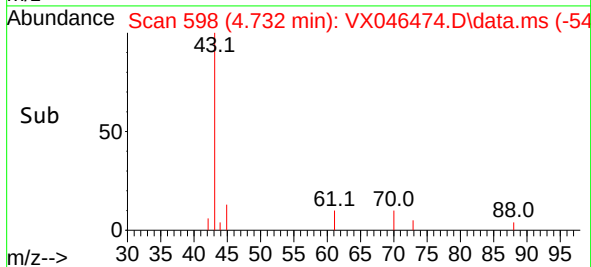
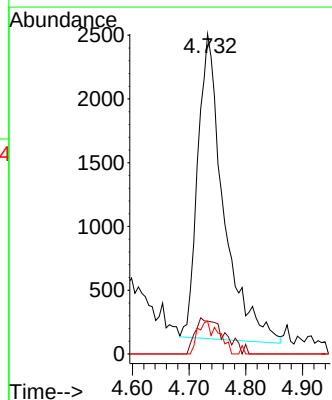
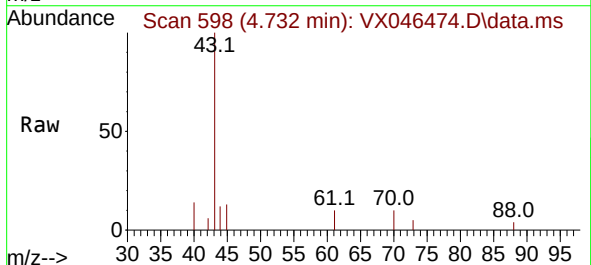
Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

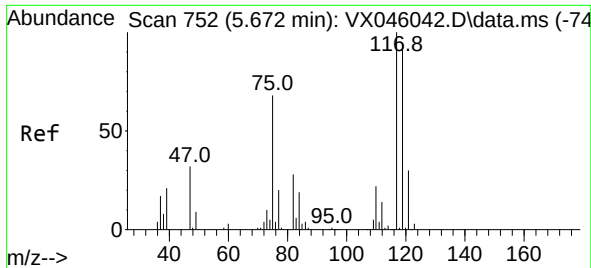
Tgt Ion: 75 Resp: 6515
Ion Ratio Lower Upper
75 100
110 5.1 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 4.598 ug/l
RT: 4.732 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

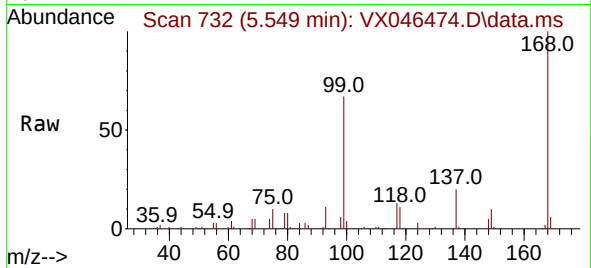
Tgt Ion: 43 Resp: 7531
Ion Ratio Lower Upper
43 100
61 13.4 10.3 15.5
70 8.8 7.9 11.9



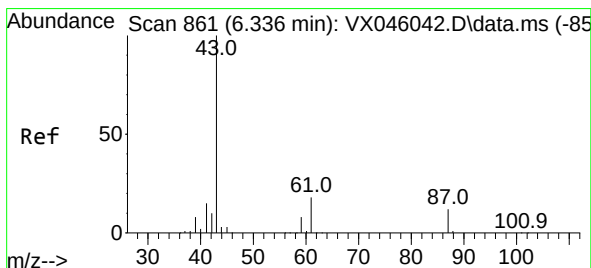
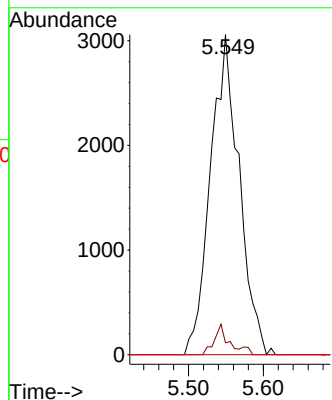
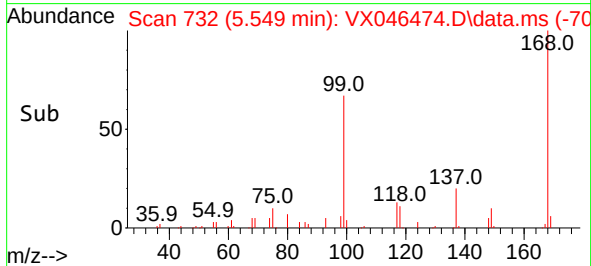


#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

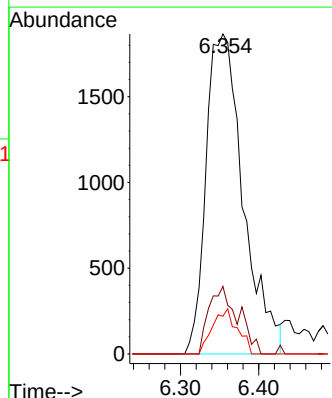
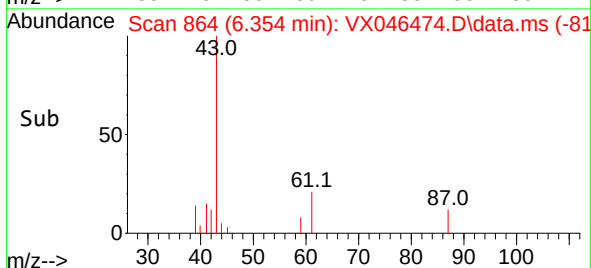
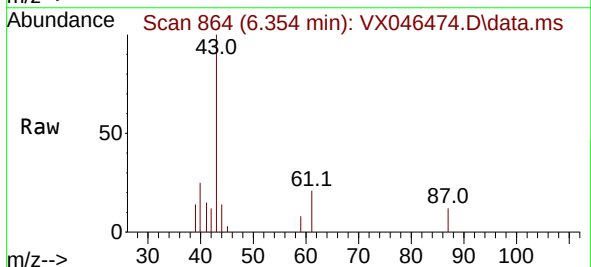


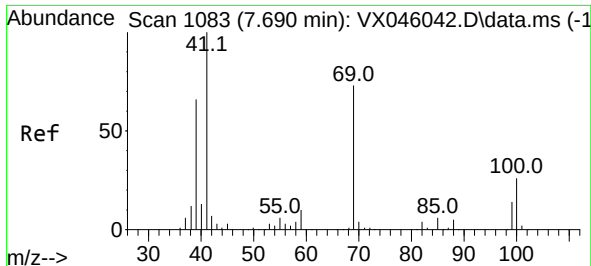
Tgt Ion:117 Resp: 8153
Ion Ratio Lower Upper
117 100
119 3.7 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 2.464 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 43 Resp: 6156
Ion Ratio Lower Upper
43 100
61 16.6 14.3 21.5
87 9.4 9.5 14.3#

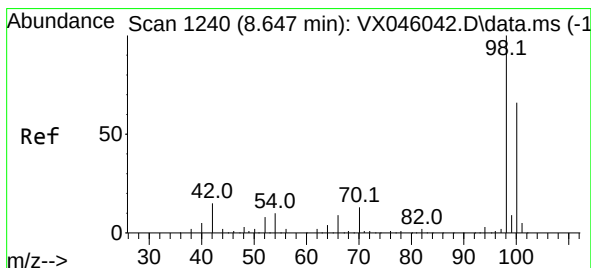
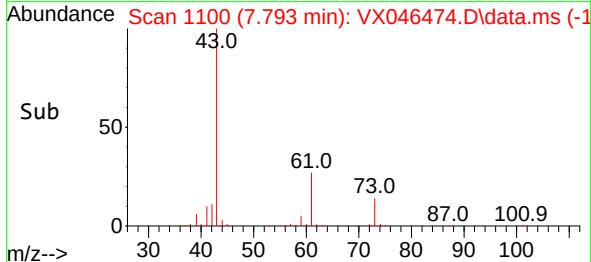
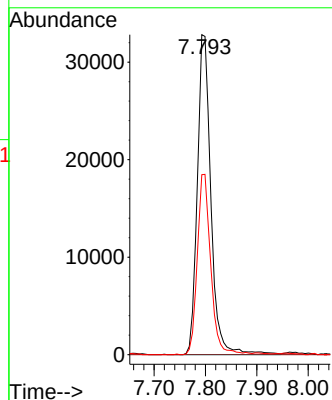
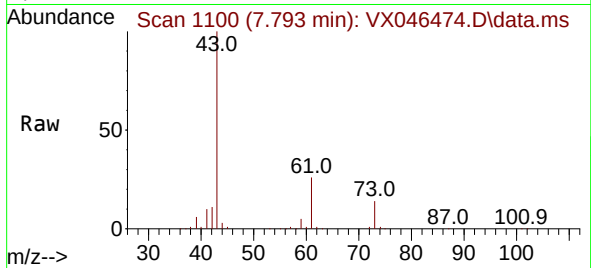




#48
Methyl methacrylate
Concen: 47.318 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

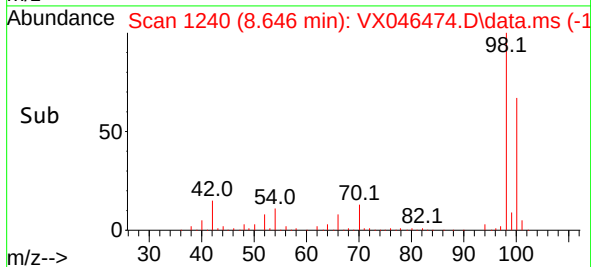
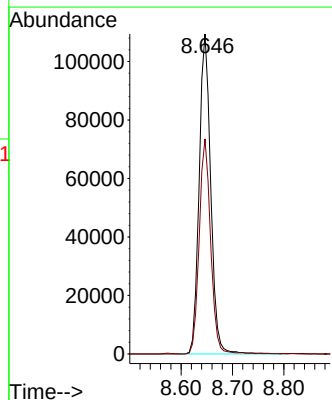
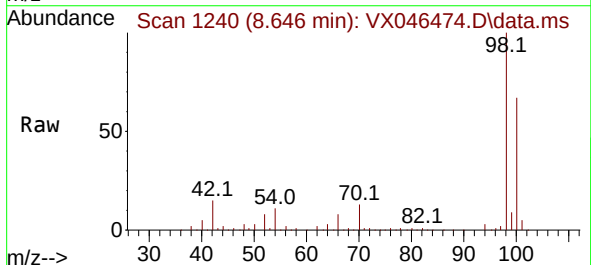
Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

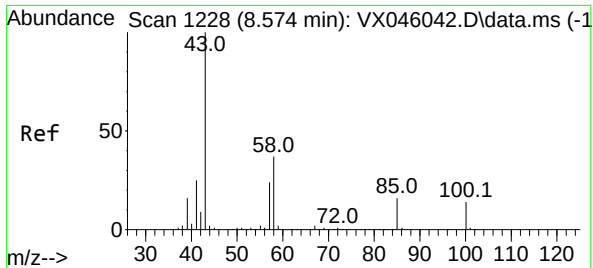
Tgt Ion: 41 Resp: 60382
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.7 51.7 77.5



#50
Toluene-d8
Concen: 50.083 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 98 Resp: 171029
Ion Ratio Lower Upper
98 100
100 66.6 53.5 80.3

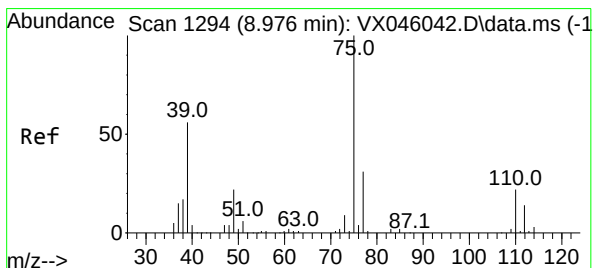
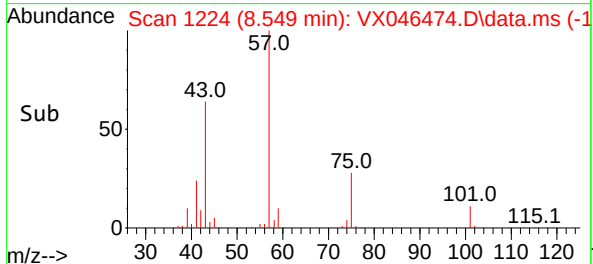
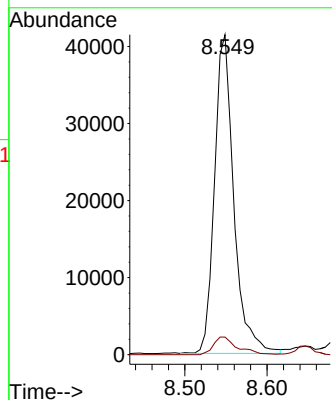
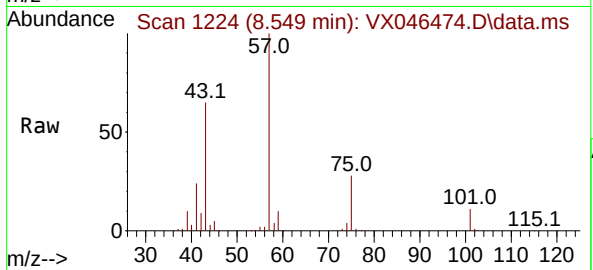




#51
4-Methyl-2-Pentanone
Concen: 40.643 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

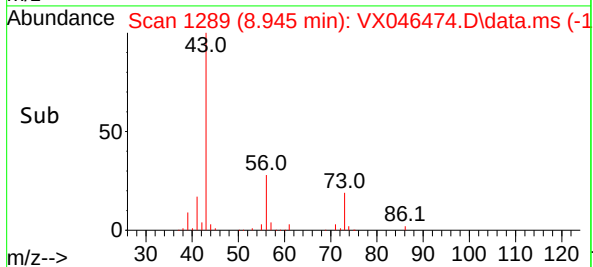
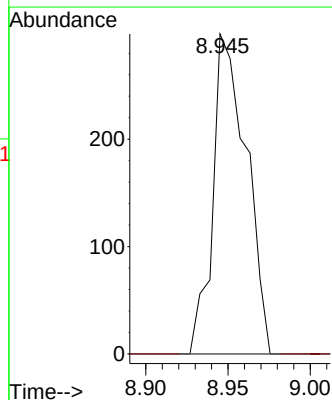
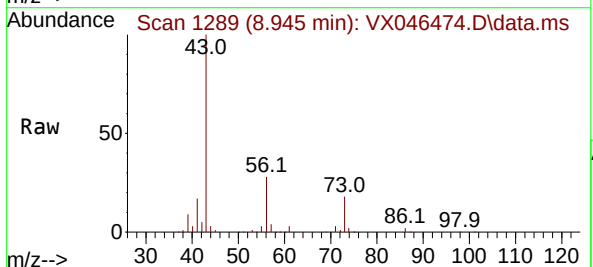
Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

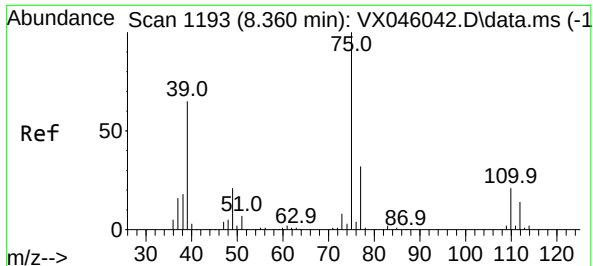
Tgt Ion: 43 Resp: 67409
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#



#53
t-1,3-Dichloropropene
Concen: 0.317 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.031 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 75 Resp: 423
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#

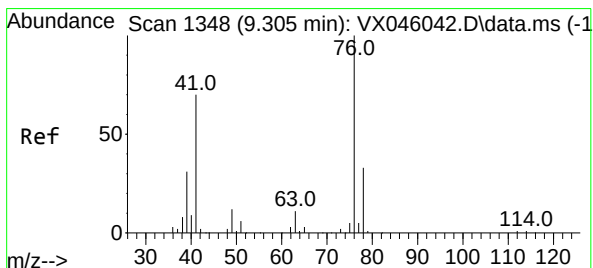
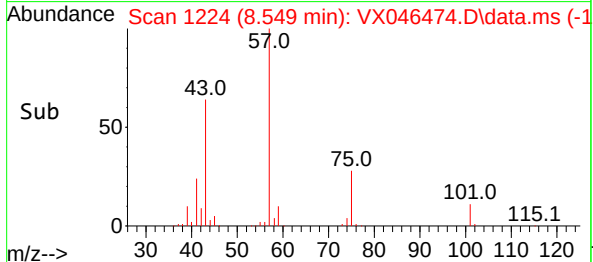
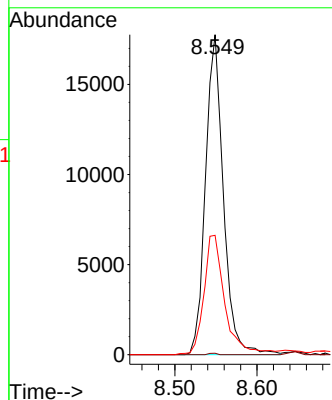
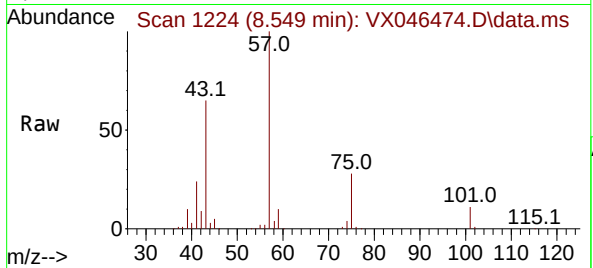




#54
 cis-1,3-Dichloropropene
 Concen: 18.236 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046474.D
 Acq: 03 Jun 2025 15:43

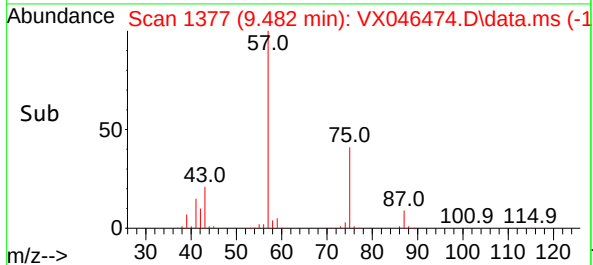
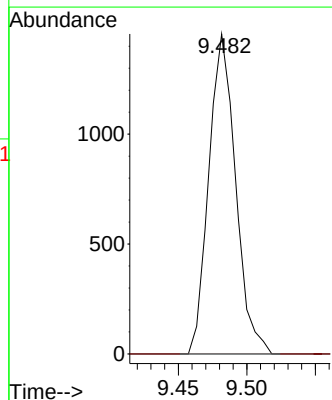
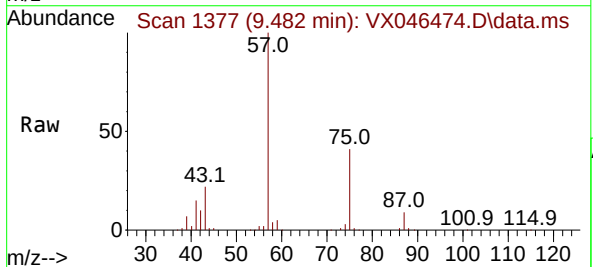
Instrument :
 MSVOA_X
 ClientSampleId :
 TP05-MHH-WC

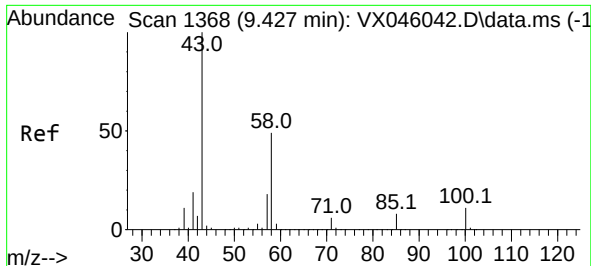
Tgt Ion: 75 Resp: 26871
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 37.0 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 1.172 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.176 min
 Lab File: VX046474.D
 Acq: 03 Jun 2025 15:43

Tgt Ion: 76 Resp: 1976
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

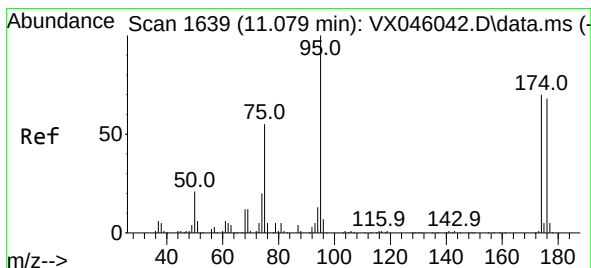
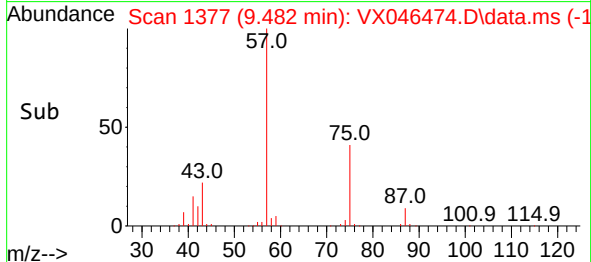
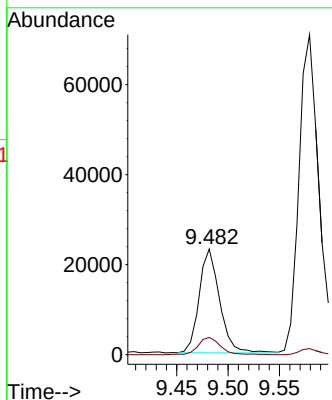
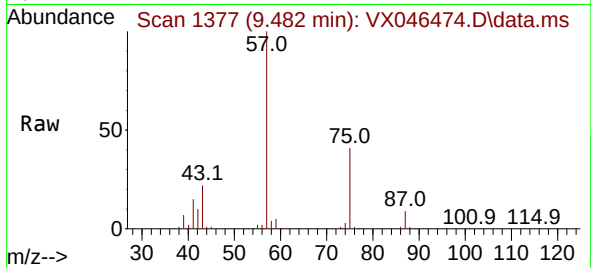




#59
2-Hexanone
Concen: 26.085 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.054 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

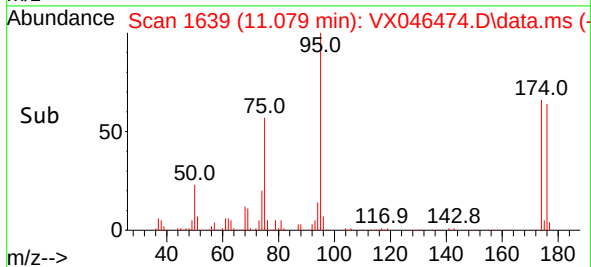
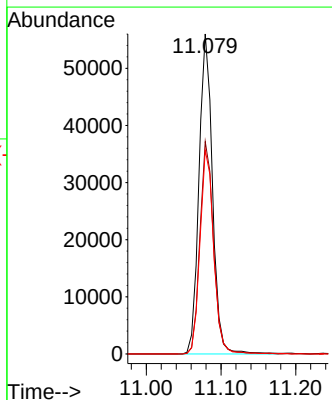
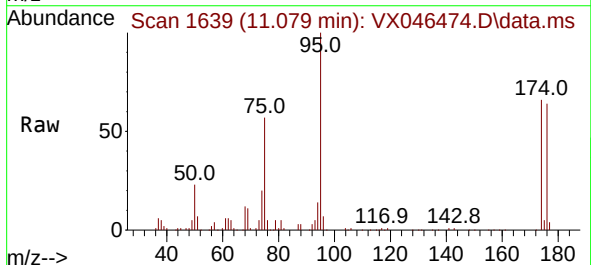
Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

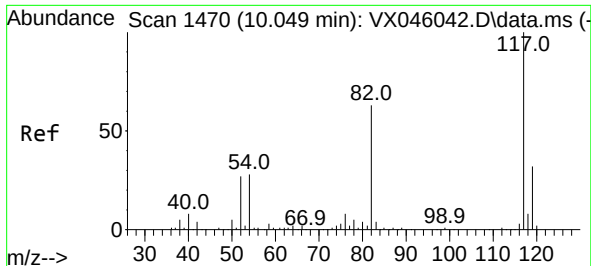
Tgt Ion: 43 Resp: 32008
Ion Ratio Lower Upper
43 100
58 18.1 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 95 Resp: 70157
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.5 0.0 131.4

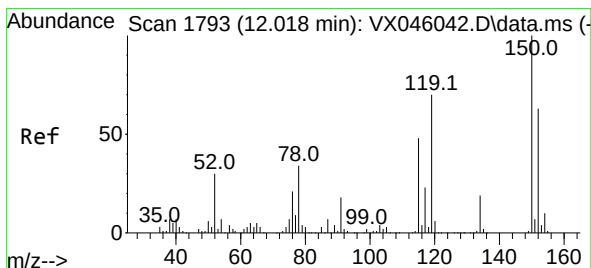
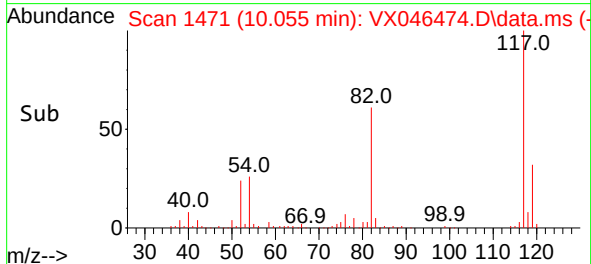
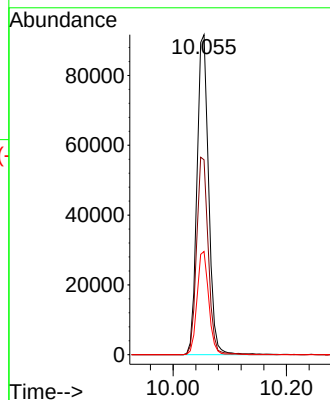
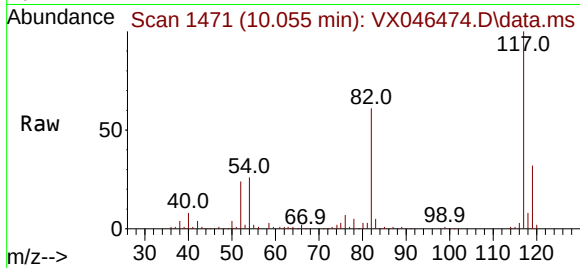




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

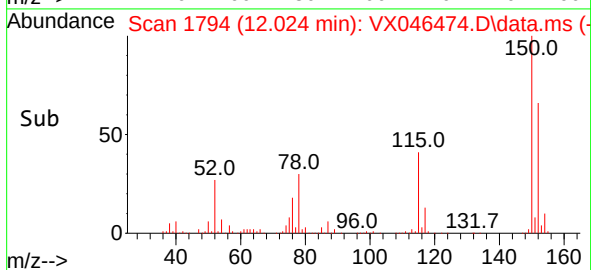
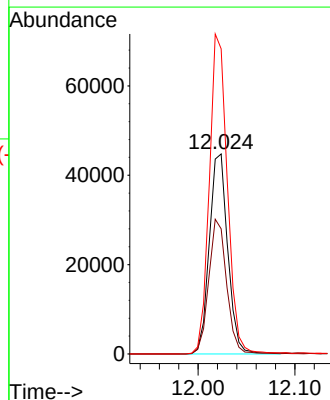
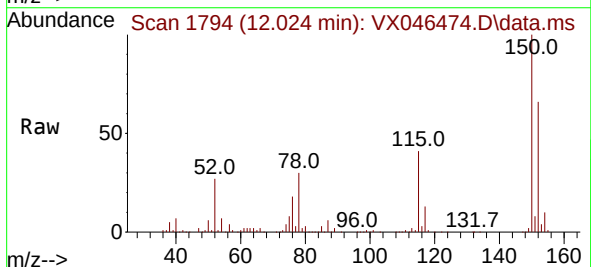
Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

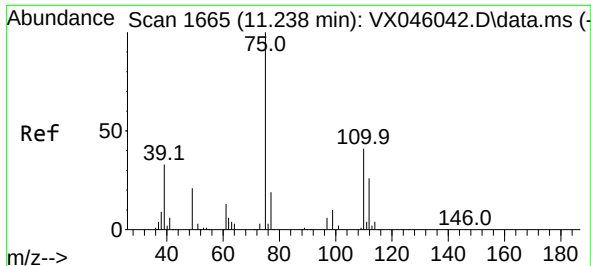
Tgt Ion:117 Resp: 130691
Ion Ratio Lower Upper
117 100
82 60.9 50.6 76.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion:152 Resp: 59439
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 156.5 0.0 351.0

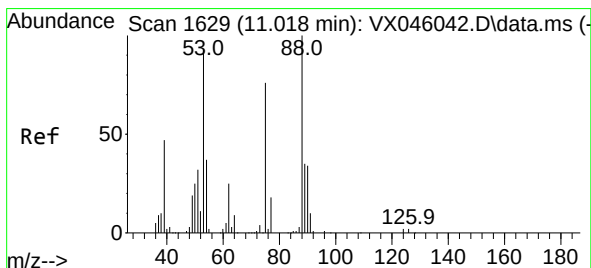
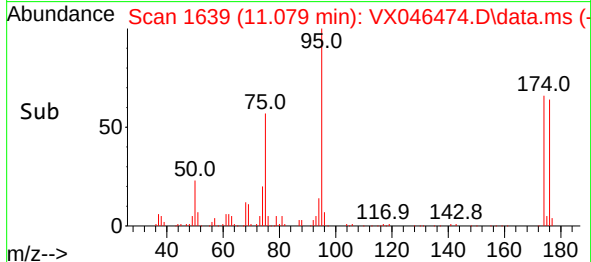
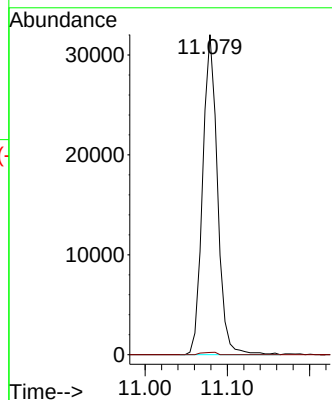
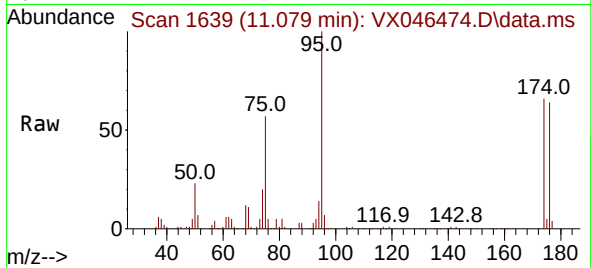




#76
1,2,3-Trichloropropane
Concen: 28.063 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
TP05-MHH-WC

Tgt Ion: 75 Resp: 40151
Ion Ratio Lower Upper
75 100
77 0.7 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.366 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046474.D
Acq: 03 Jun 2025 15:43

Tgt Ion: 75 Resp: 40151
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

