

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046142.D
 Acq On : 12 May 2025 16:42
 Operator : JC/MD
 Sample : Q1986-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-10

Quant Time: May 13 03:20:46 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)

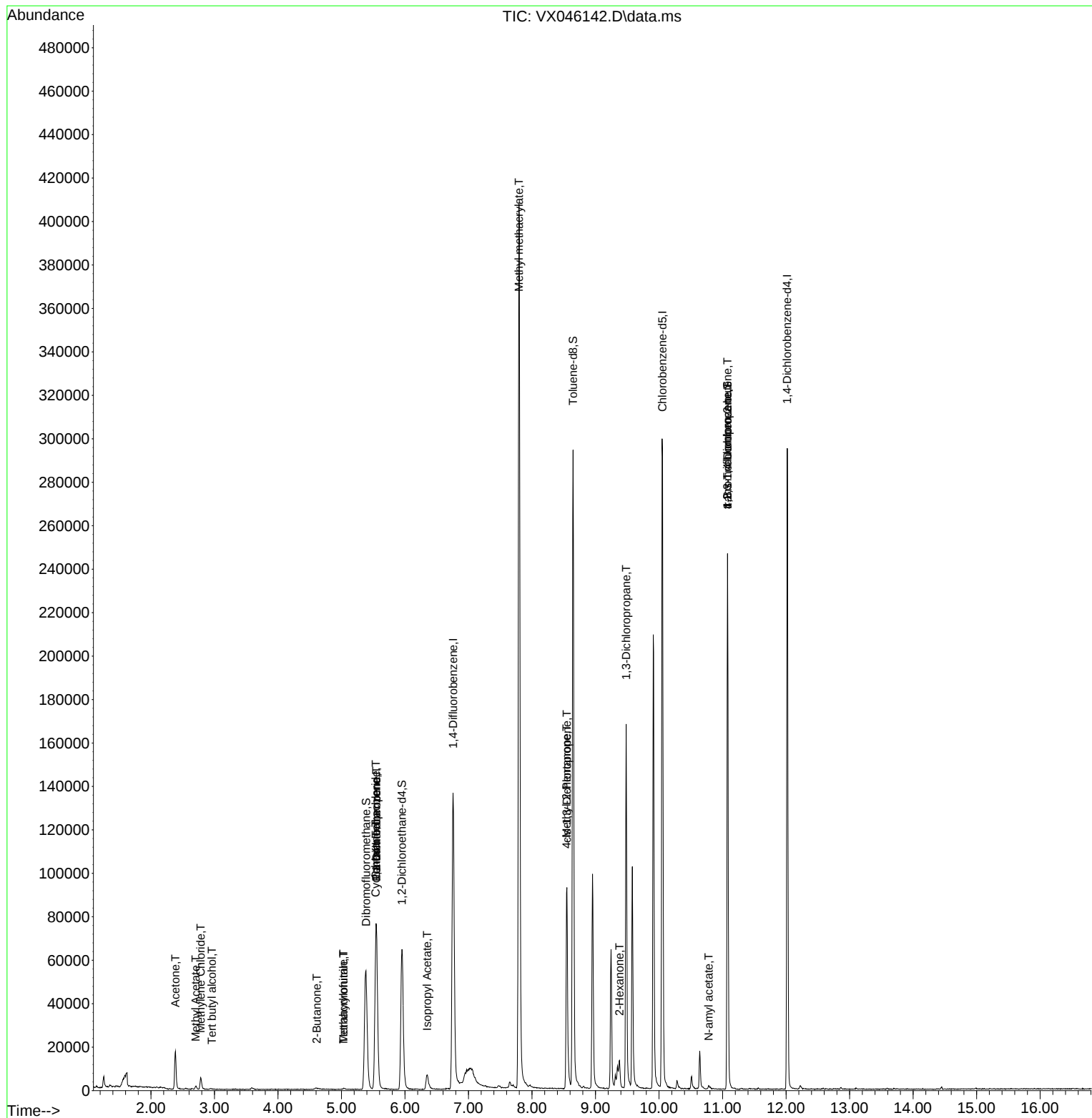
Internal Standards						
1) Pentafluorobenzene	5.550	168	65301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67700	55.609	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.220%
35) Dibromofluoromethane	5.385	113	48925	51.309	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.620%
50) Toluene-d8	8.647	98	169707	51.422	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.840%
62) 4-Bromofluorobenzene	11.079	95	64529	50.973	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.940%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	135	0.790	ug/l #	72
16) Acetone	2.386	43	19471	39.889	ug/l	94
18) Methyl Acetate	2.703	43	2074	1.831	ug/l	98
20) Methylene Chloride	2.782	84	2610	2.790	ug/l	84
25) 2-Butanone	4.611	43	1791	2.527	ug/l #	89
29) Tetrahydrofuran	5.031	42	415	0.935	ug/l #	48
31) Cyclohexane	5.537	56	1947	1.342	ug/l #	15
36) 1,1-Dichloropropene	5.550	75	6496	5.070	ug/l #	48
38) Carbon Tetrachloride	5.544	117	7836	5.444	ug/l #	17
41) Methacrylonitrile	5.031	41	234	0.283	ug/l #	43
43) Isopropyl Acetate	6.348	43	10438	4.323	ug/l	99
48) Methyl methacrylate	7.793	41	40549	32.880	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	37098	23.144	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	14191	9.966	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1330	0.816	ug/l #	42
59) 2-Hexanone	9.378	43	12294	10.367	ug/l #	28
74) N-amyl acetate	10.780	43	1062	0.500	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36696	27.625	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36696	89.937	ug/l #	1

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

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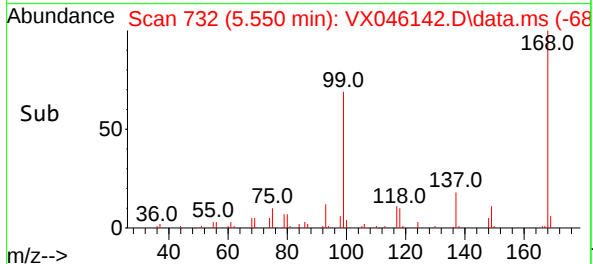
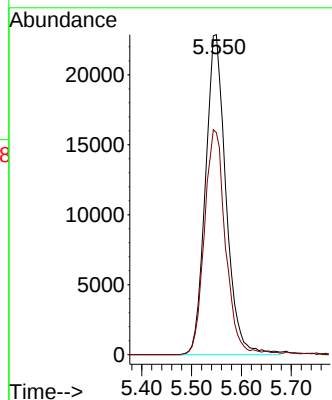
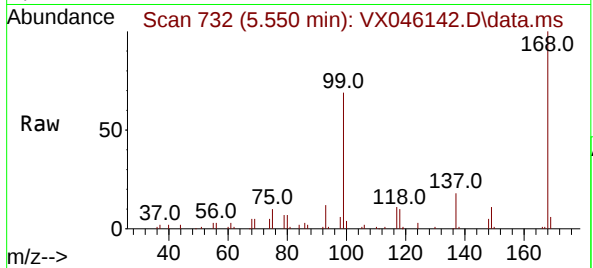




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

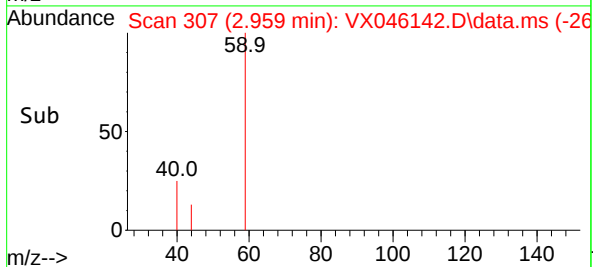
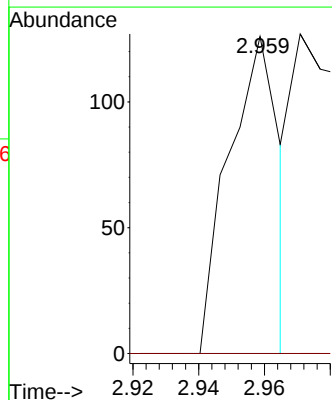
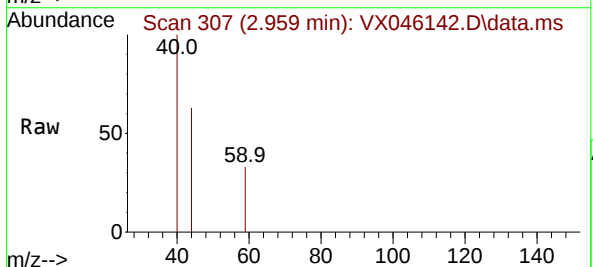
Instrument :
MSVOA_X
ClientSampleId :
COMP-10

Tgt Ion:168 Resp: 65301
Ion Ratio Lower Upper
168 100
99 69.4 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.790 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

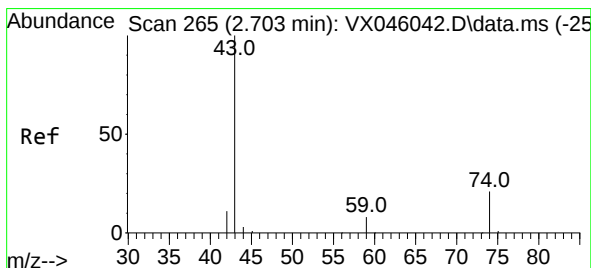
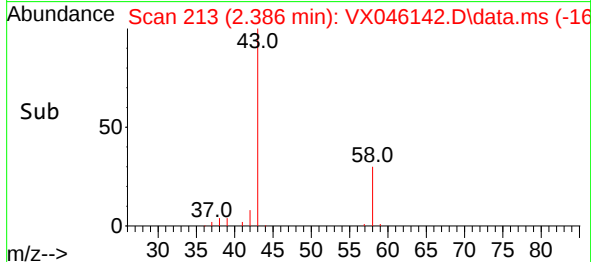
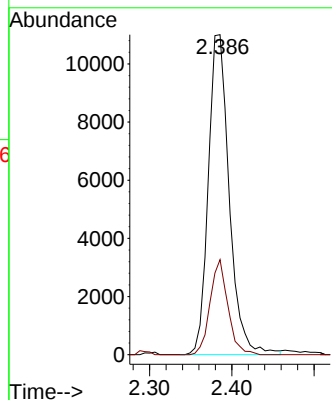
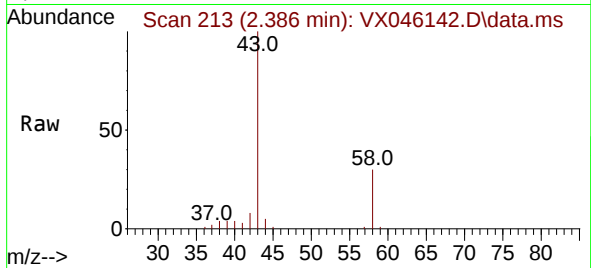




#16
Acetone
Concen: 39.889 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

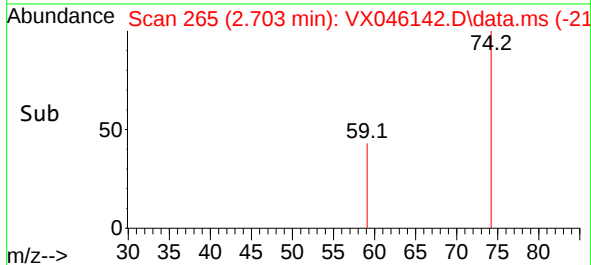
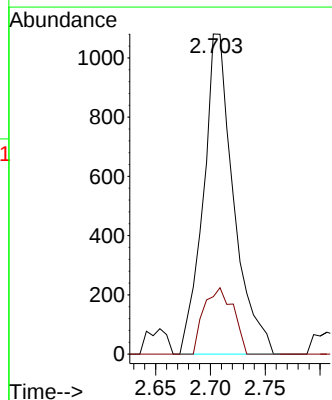
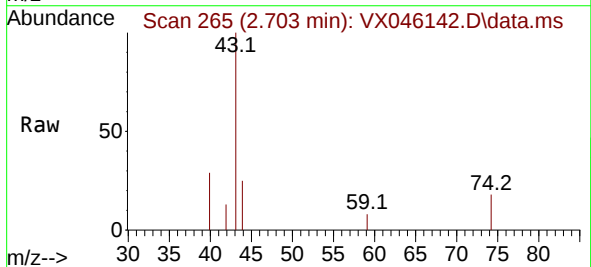
Instrument :
MSVOA_X
ClientSampleId :
COMP-10

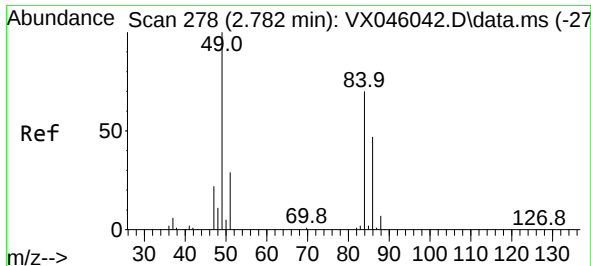
Tgt Ion: 43 Resp: 19471
Ion Ratio Lower Upper
43 100
58 29.7 21.2 31.8



#18
Methyl Acetate
Concen: 1.831 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
74 20.1 16.7 25.1

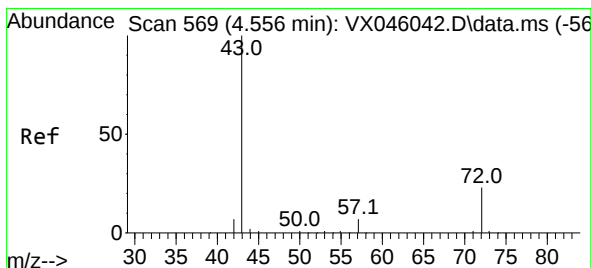
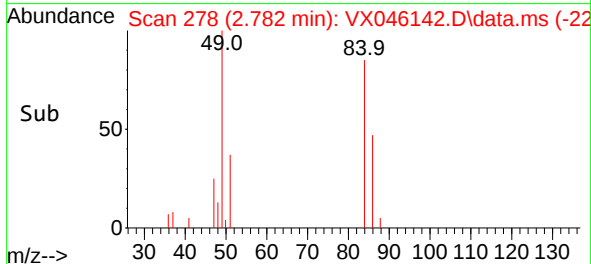
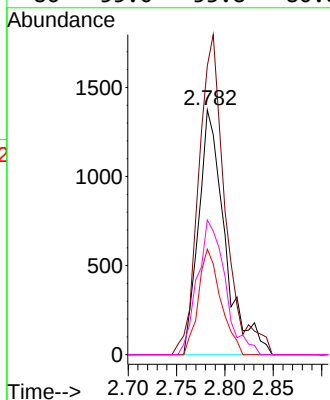
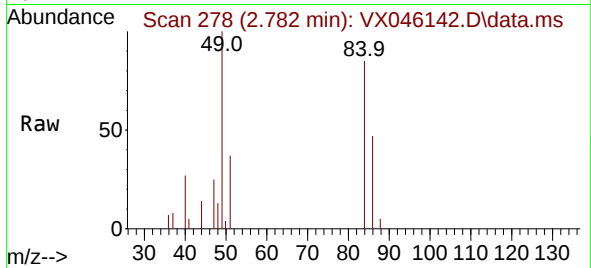




#20
Methylene Chloride
Concen: 2.790 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

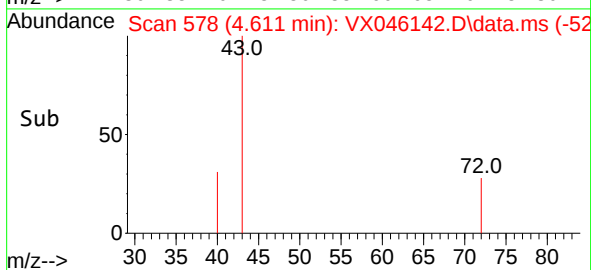
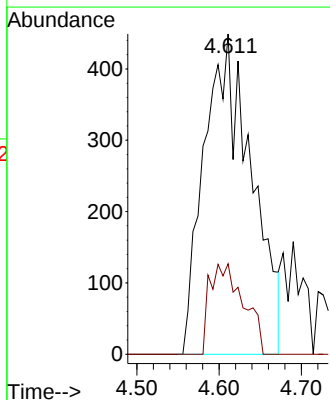
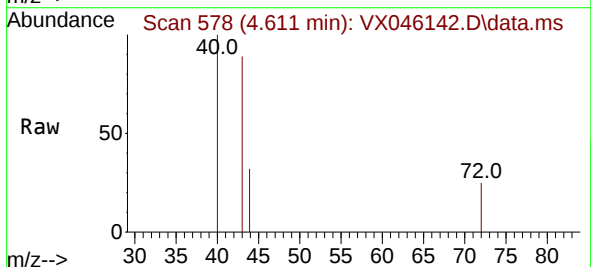
Instrument :
MSVOA_X
ClientSampleId :
COMP-10

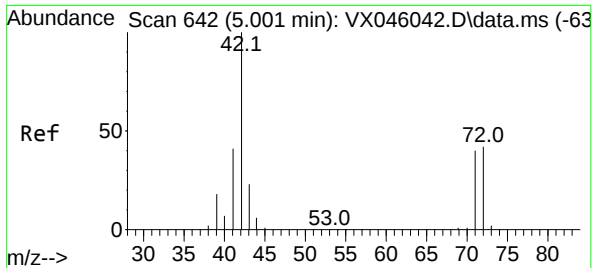
Tgt Ion:	84	Resp:	2610
Ion	Ratio	Lower	Upper
84	100		
49	118.0	113.9	170.9
51	43.2	33.5	50.3
86	55.0	53.8	80.8



#25
2-Butanone
Concen: 2.527 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Tgt Ion:	43	Resp:	1791
Ion	Ratio	Lower	Upper
43	100		
72	28.3	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.935 ug/l

RT: 5.031 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX046142.D

Acq: 12 May 2025 16:42

Instrument :

MSVOA_X

ClientSampleId :

COMP-10

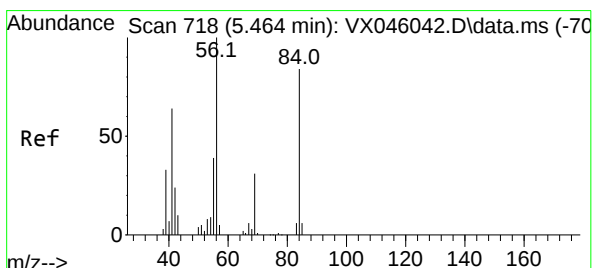
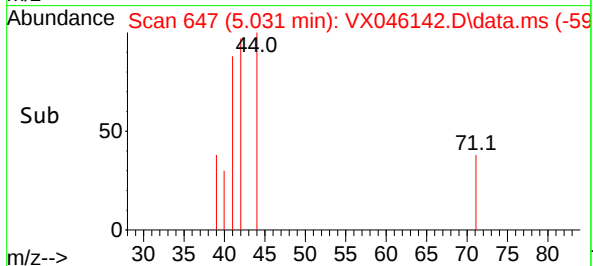
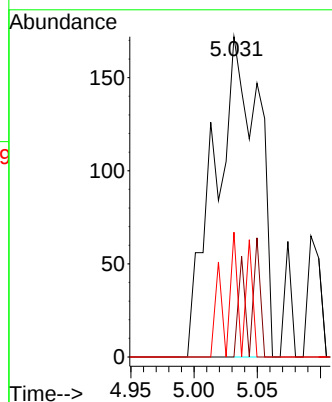
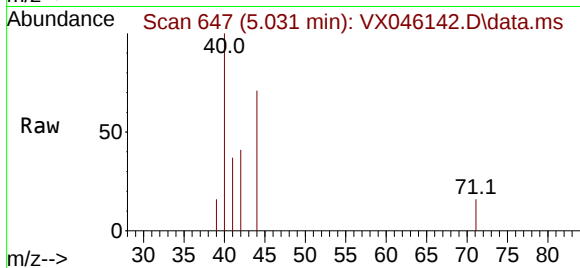
Tgt Ion: 42 Resp: 415

Ion Ratio Lower Upper

42 100

72 4.8 33.7 50.5#

71 11.6 31.4 47.2#



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046142.D

Acq: 12 May 2025 16:42

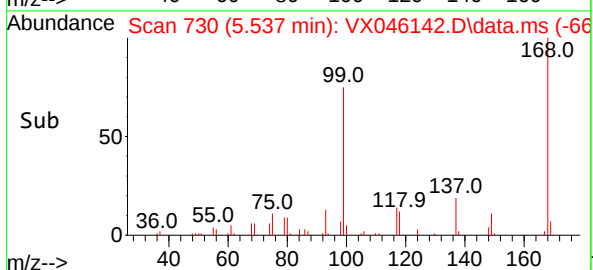
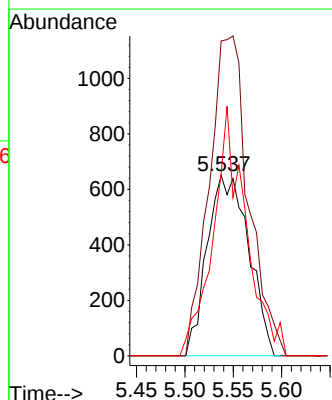
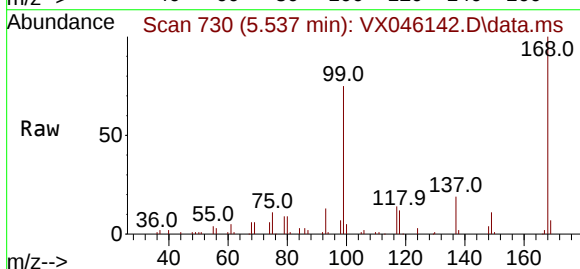
Tgt Ion: 56 Resp: 1947

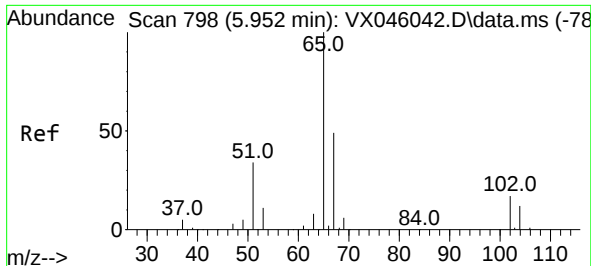
Ion Ratio Lower Upper

56 100

69 174.6 24.4 36.6#

84 101.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 55.609 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046142.D

Acq: 12 May 2025 16:42

Instrument :

MSVOA_X

ClientSampleId :

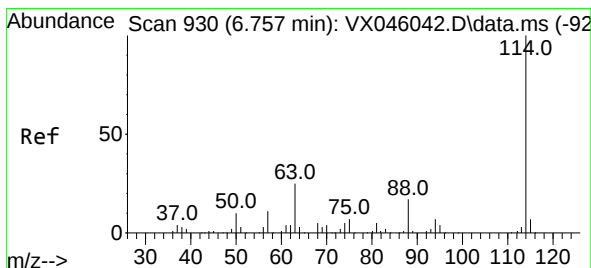
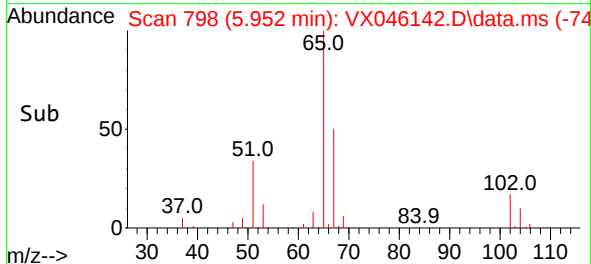
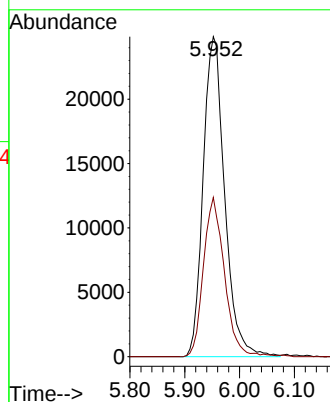
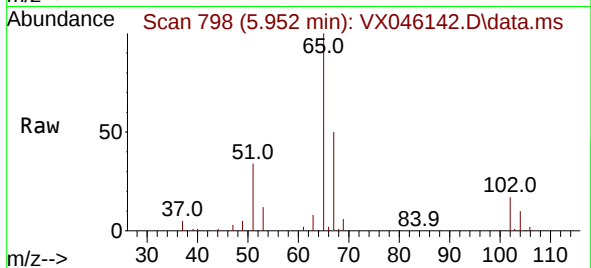
COMP-10

Tgt Ion: 65 Resp: 67700

Ion Ratio Lower Upper

65 100

67 48.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046142.D

Acq: 12 May 2025 16:42

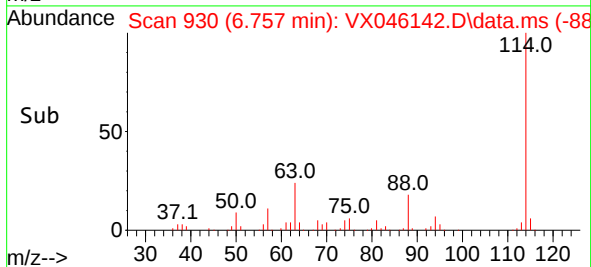
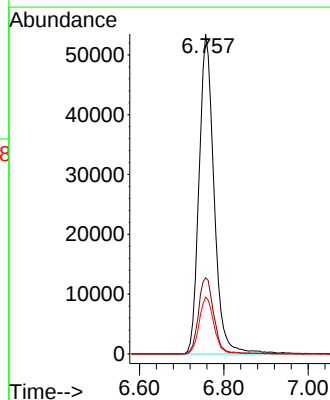
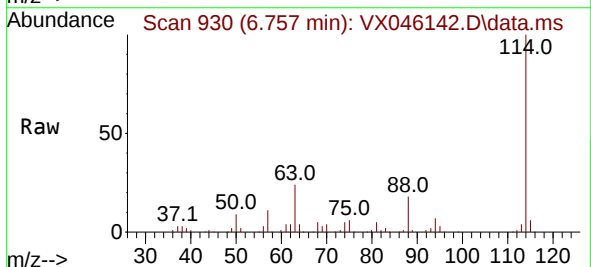
Tgt Ion: 114 Resp: 132415

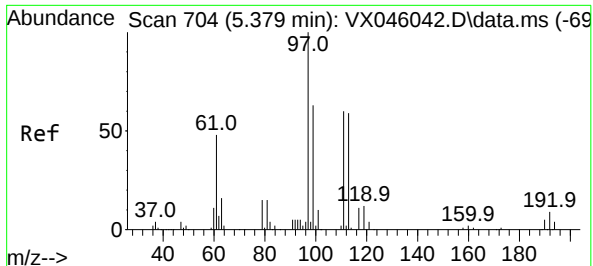
Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.2

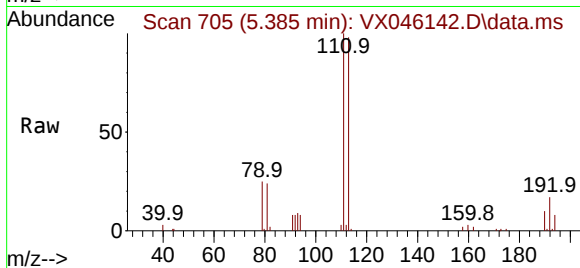
88 17.8 0.0 33.6



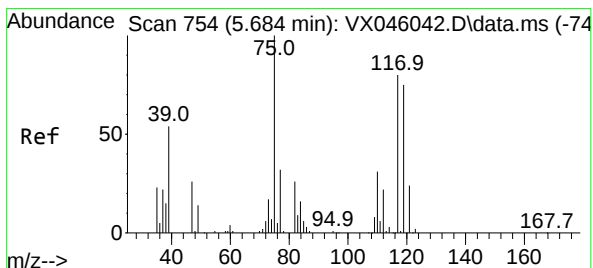
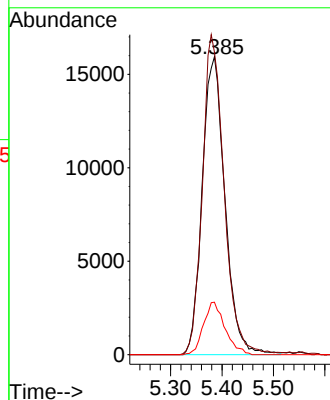
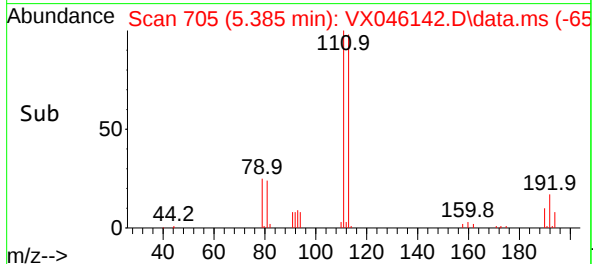


#35
Dibromofluoromethane
Concen: 51.309 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

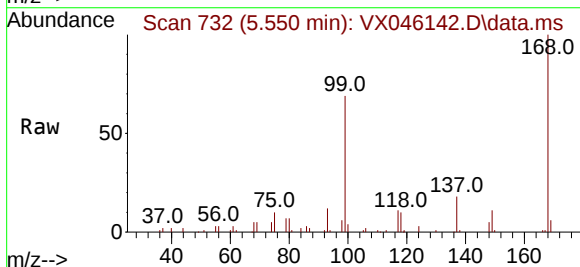
Instrument :
MSVOA_X
ClientSampleId :
COMP-10



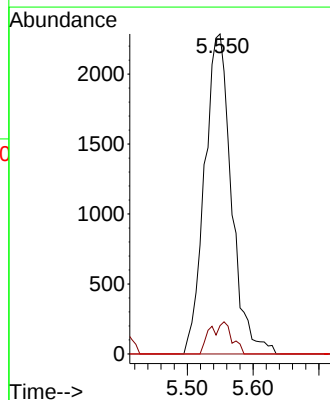
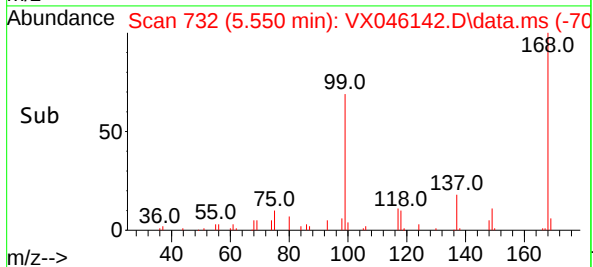
Tgt Ion:113 Resp: 48925
Ion Ratio Lower Upper
113 100
111 102.5 83.1 124.7
192 16.7 13.3 19.9

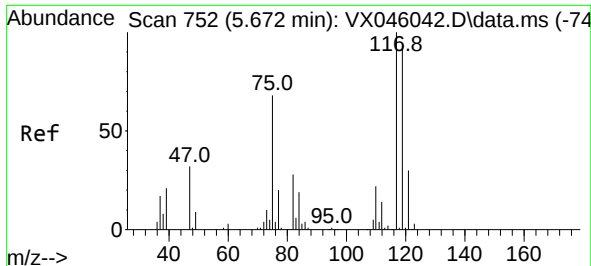


#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42



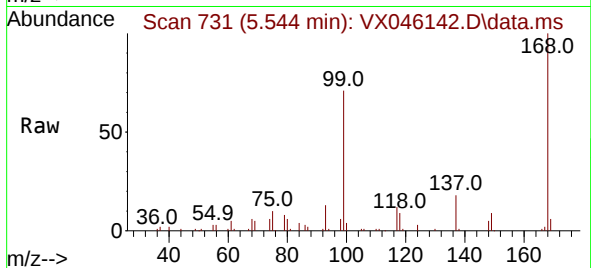
Tgt Ion: 75 Resp: 6496
Ion Ratio Lower Upper
75 100
110 4.9 16.3 48.9#
77 0.0 24.3 36.5#



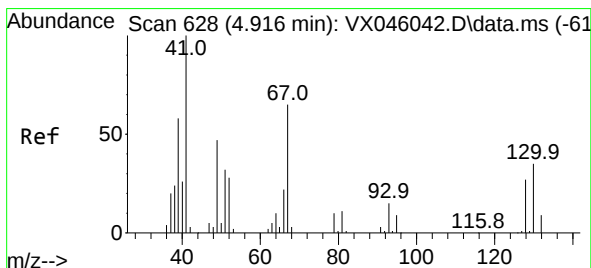
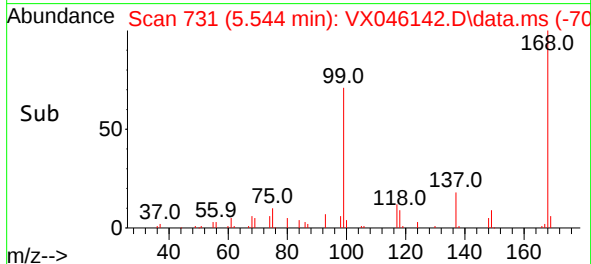
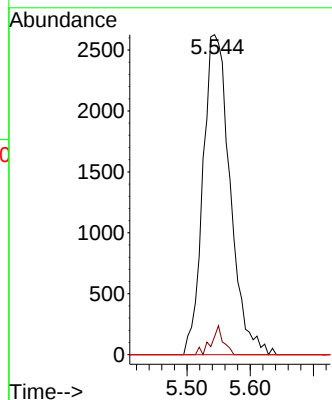


#38
Carbon Tetrachloride
Concen: 5.444 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :
COMP-10

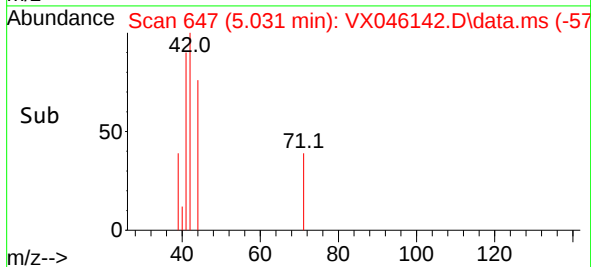
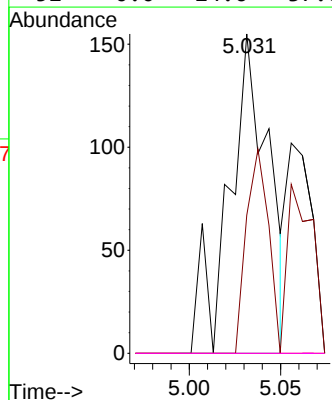
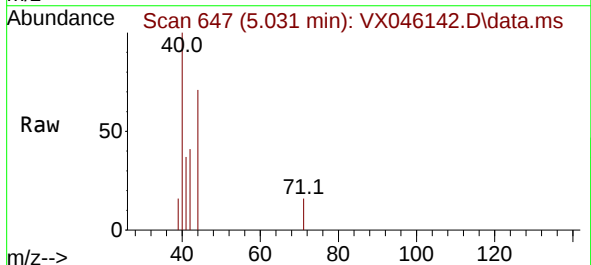


Tgt Ion:117 Resp: 7836
Ion Ratio Lower Upper
117 100
119 5.6 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.283 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Tgt Ion: 41 Resp: 234
Ion Ratio Lower Upper
41 100
39 35.5 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

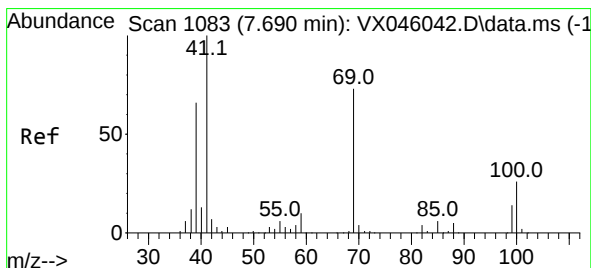
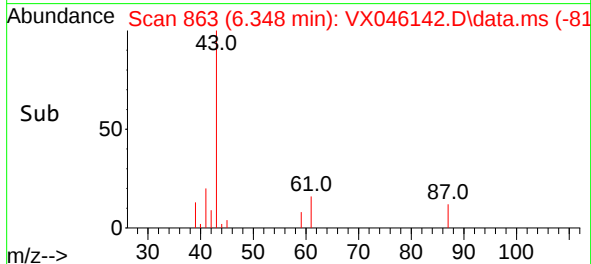
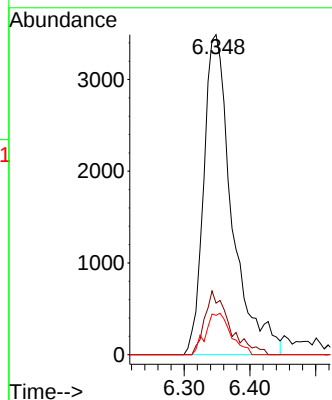
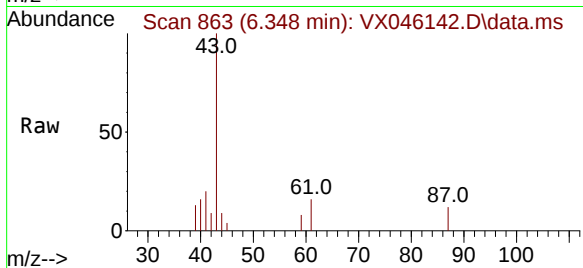




#43
Isopropyl Acetate
Concen: 4.323 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

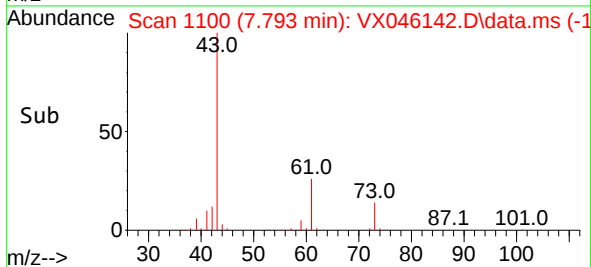
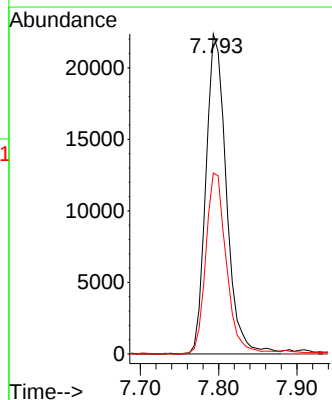
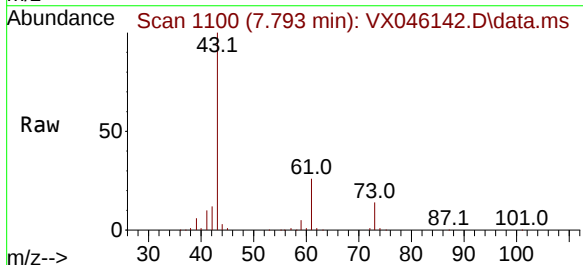
Instrument :
MSVOA_X
ClientSampleId :
COMP-10

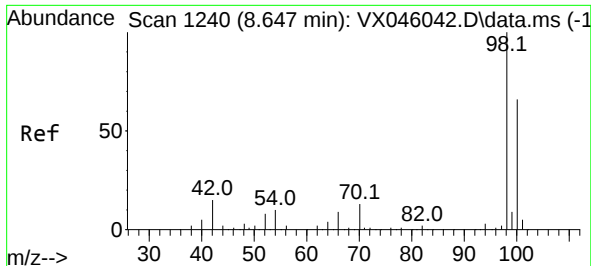
Tgt Ion: 43 Resp: 10438
Ion Ratio Lower Upper
43 100
61 17.5 14.3 21.5
87 11.6 9.5 14.3



#48
Methyl methacrylate
Concen: 32.880 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Tgt Ion: 41 Resp: 40549
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.9 51.7 77.5

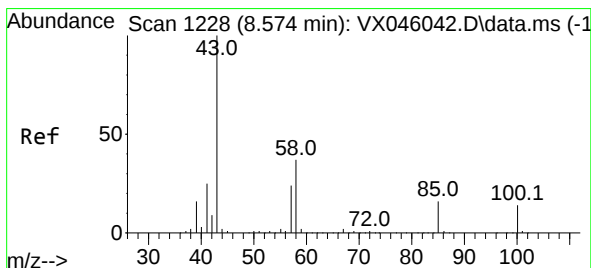
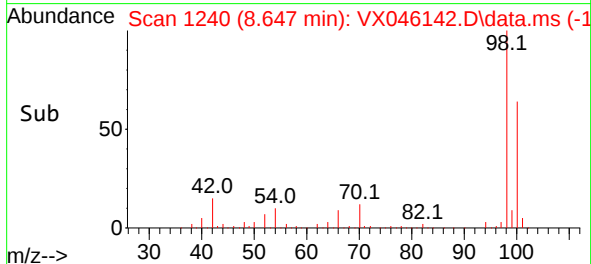
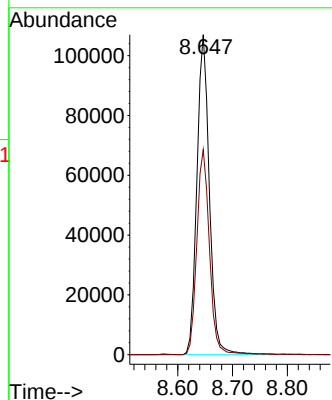
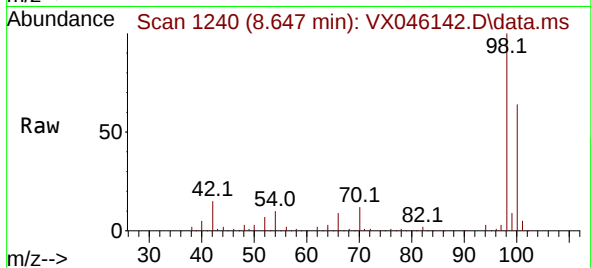




#50
Toluene-d8
Concen: 51.422 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

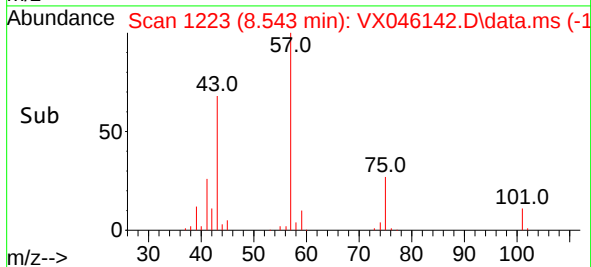
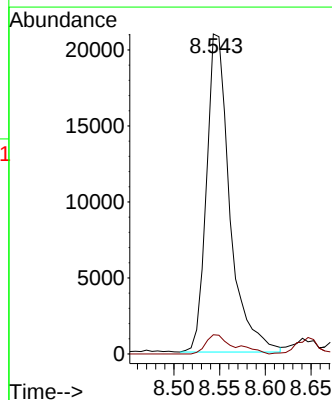
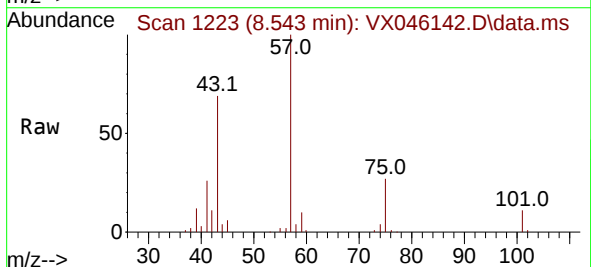
Instrument :
MSVOA_X
ClientSampleId :
COMP-10

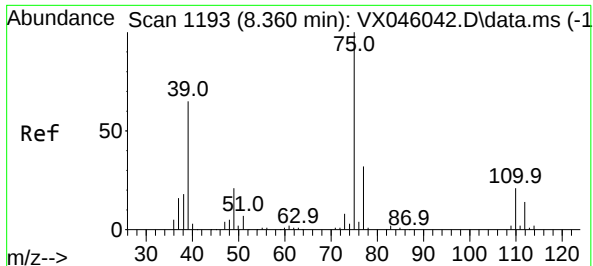
Tgt Ion: 98 Resp: 169707
Ion Ratio Lower Upper
98 100
100 64.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 23.144 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Tgt Ion: 43 Resp: 37098
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#

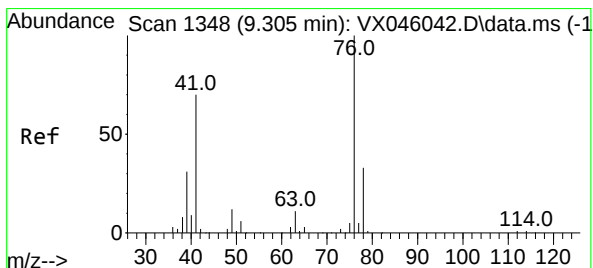
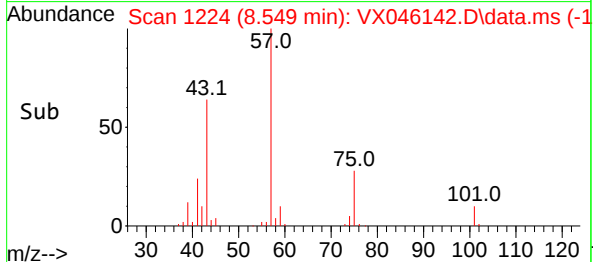
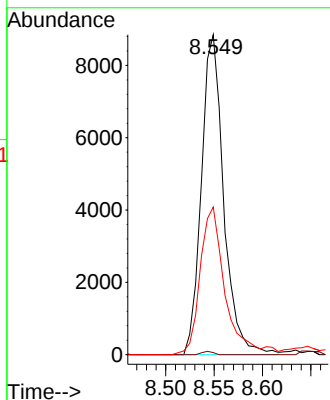
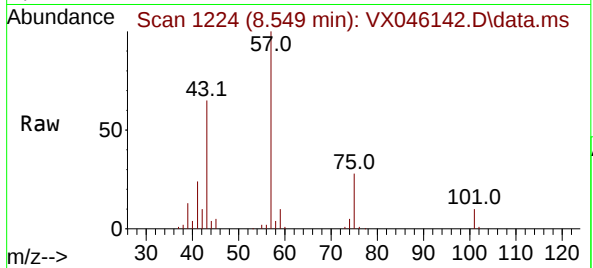




#54
 cis-1,3-Dichloropropene
 Concen: 9.966 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046142.D
 Acq: 12 May 2025 16:42

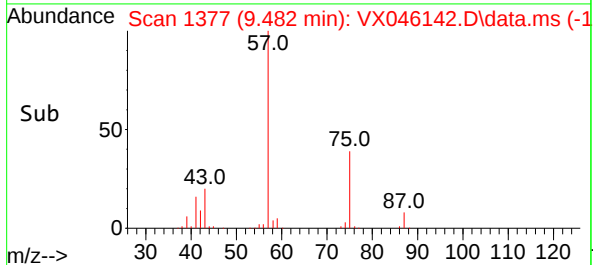
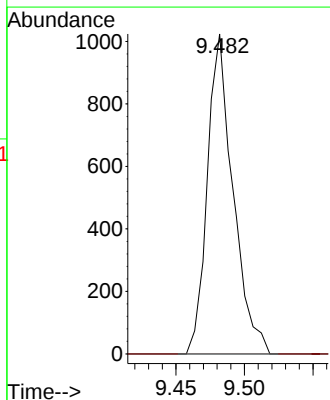
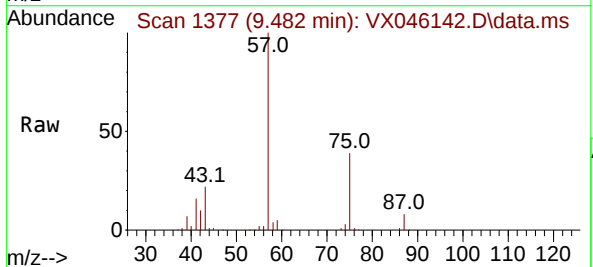
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-10

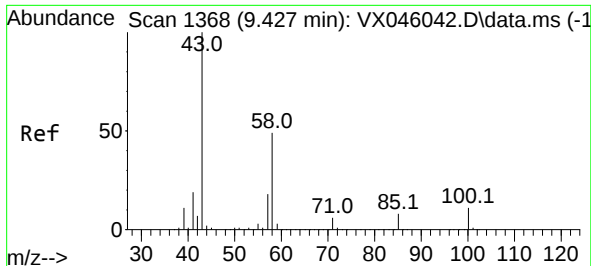
Tgt Ion: 75 Resp: 14191
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.0#
 39 45.6 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.816 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046142.D
 Acq: 12 May 2025 16:42

Tgt Ion: 76 Resp: 1330
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

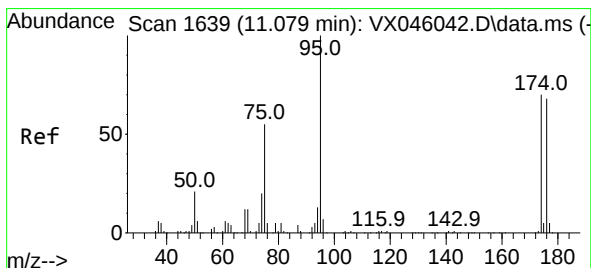
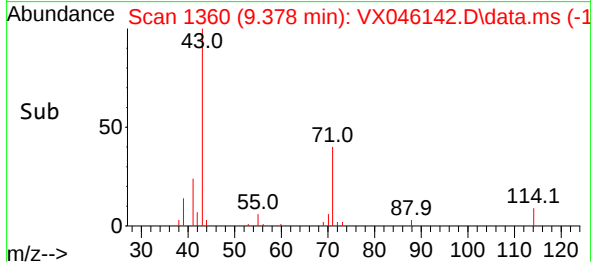
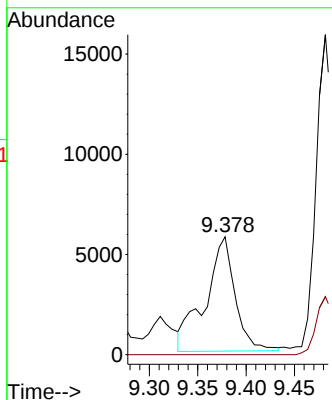
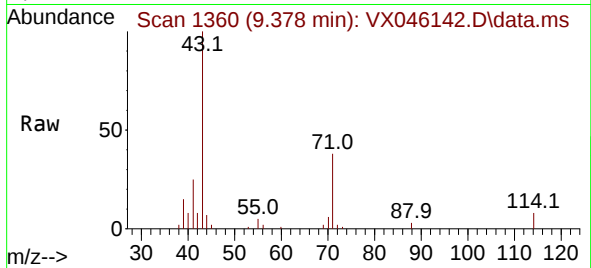




#59
2-Hexanone
Concen: 10.367 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

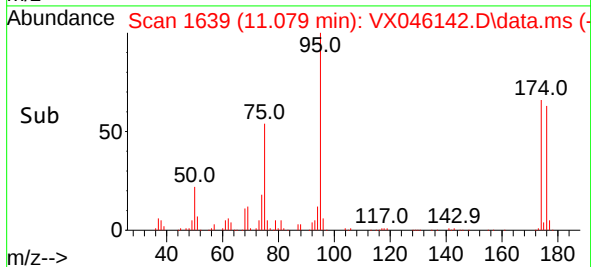
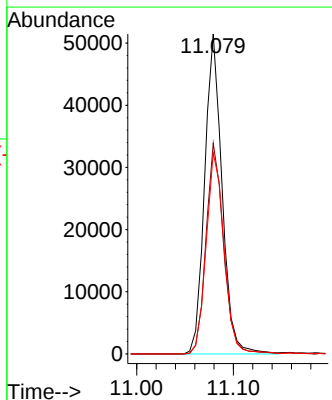
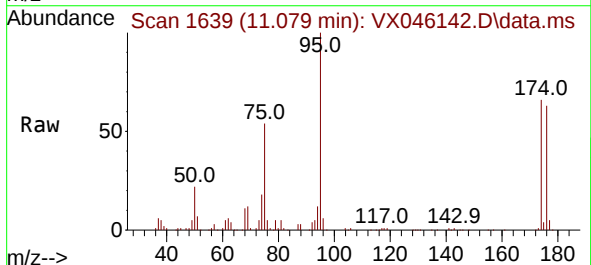
Instrument :
MSVOA_X
ClientSampleId :
COMP-10

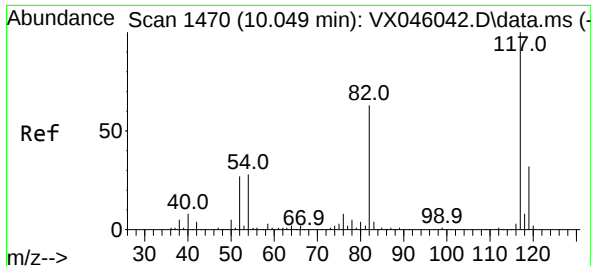
Tgt Ion: 43 Resp: 12294
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Tgt Ion: 95 Resp: 64529
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.8
176 65.0 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: VX046142.D

Acq: 12 May 2025 16:42

Instrument :

MSVOA_X

ClientSampleId :

COMP-10

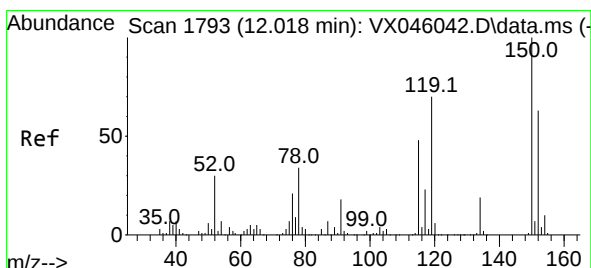
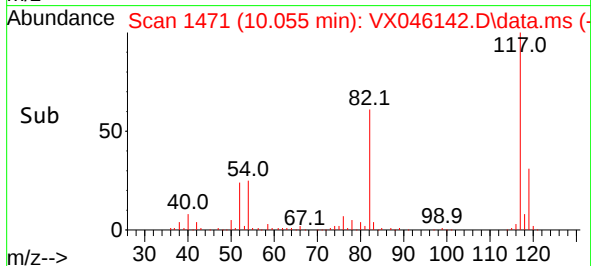
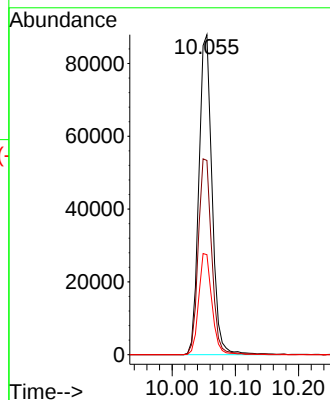
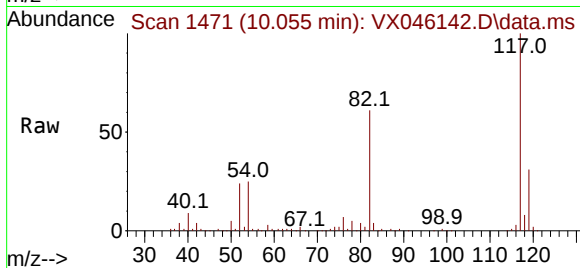
Tgt Ion:117 Resp: 127347

Ion Ratio Lower Upper

117 100

82 60.7 50.6 76.0

119 31.2 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046142.D

Acq: 12 May 2025 16:42

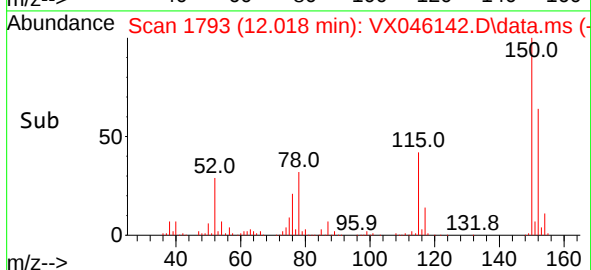
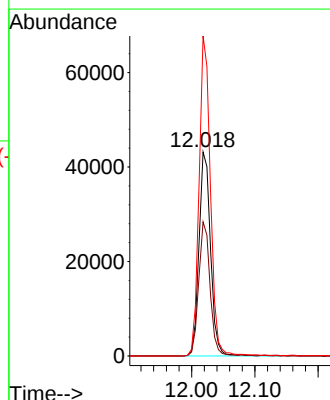
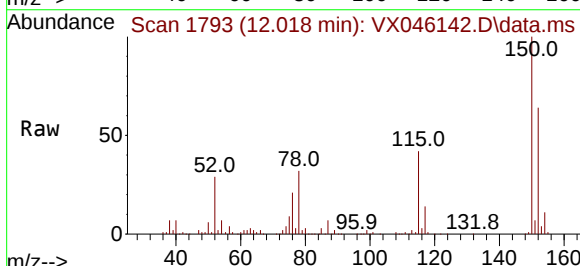
Tgt Ion:152 Resp: 55187

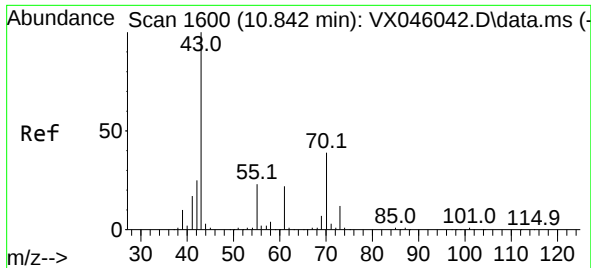
Ion Ratio Lower Upper

152 100

115 64.3 46.9 140.7

150 153.7 0.0 351.0

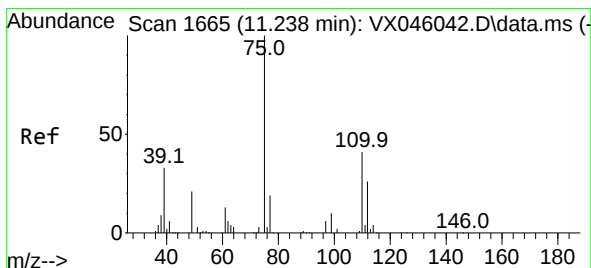
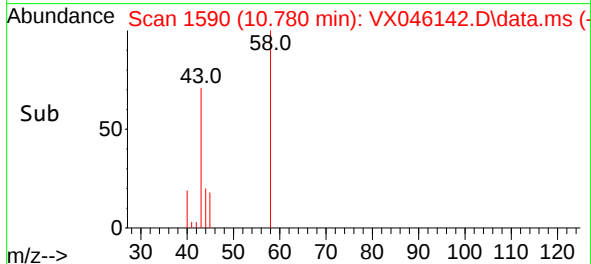
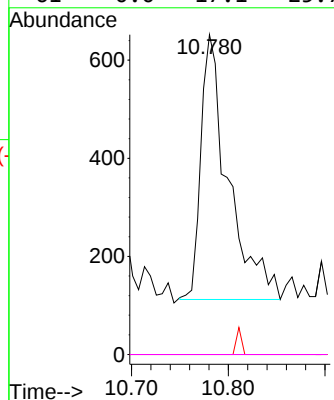
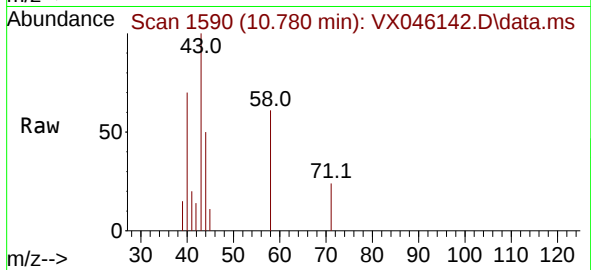




#74
N-amy1 acetate
Concen: 0.500 ug/l
RT: 10.780 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

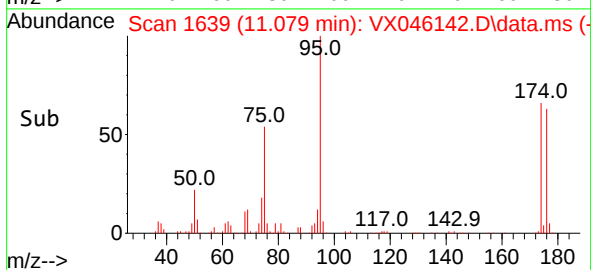
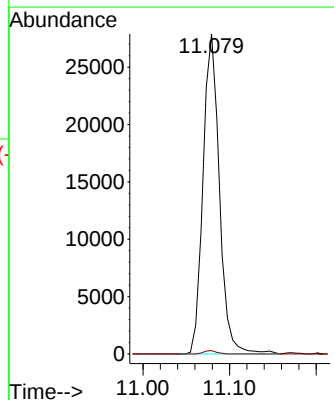
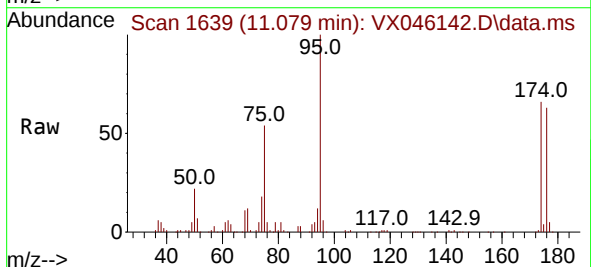
Instrument :
MSVOA_X
ClientSampleId :
COMP-10

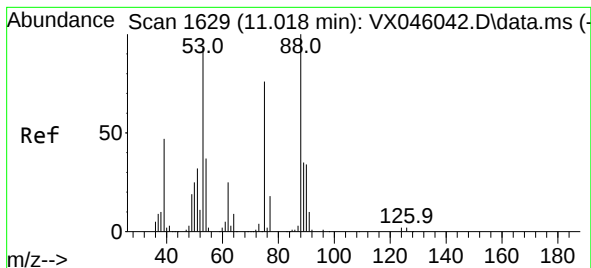
Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 0.0 18.7 28.1#
61 0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 27.625 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046142.D
Acq: 12 May 2025 16:42

Tgt Ion: 75 Resp: 36696
Ion Ratio Lower Upper
75 100
77 0.8 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.937 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046142.D
 Acq: 12 May 2025 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-10

Tgt Ion: 75 Resp: 36696
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

