

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046533.D
 Acq On : 06 Jun 2025 17:21
 Operator : JC/MD
 Sample : Q2194-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-13

Quant Time: Jun 06 23:23:23 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)

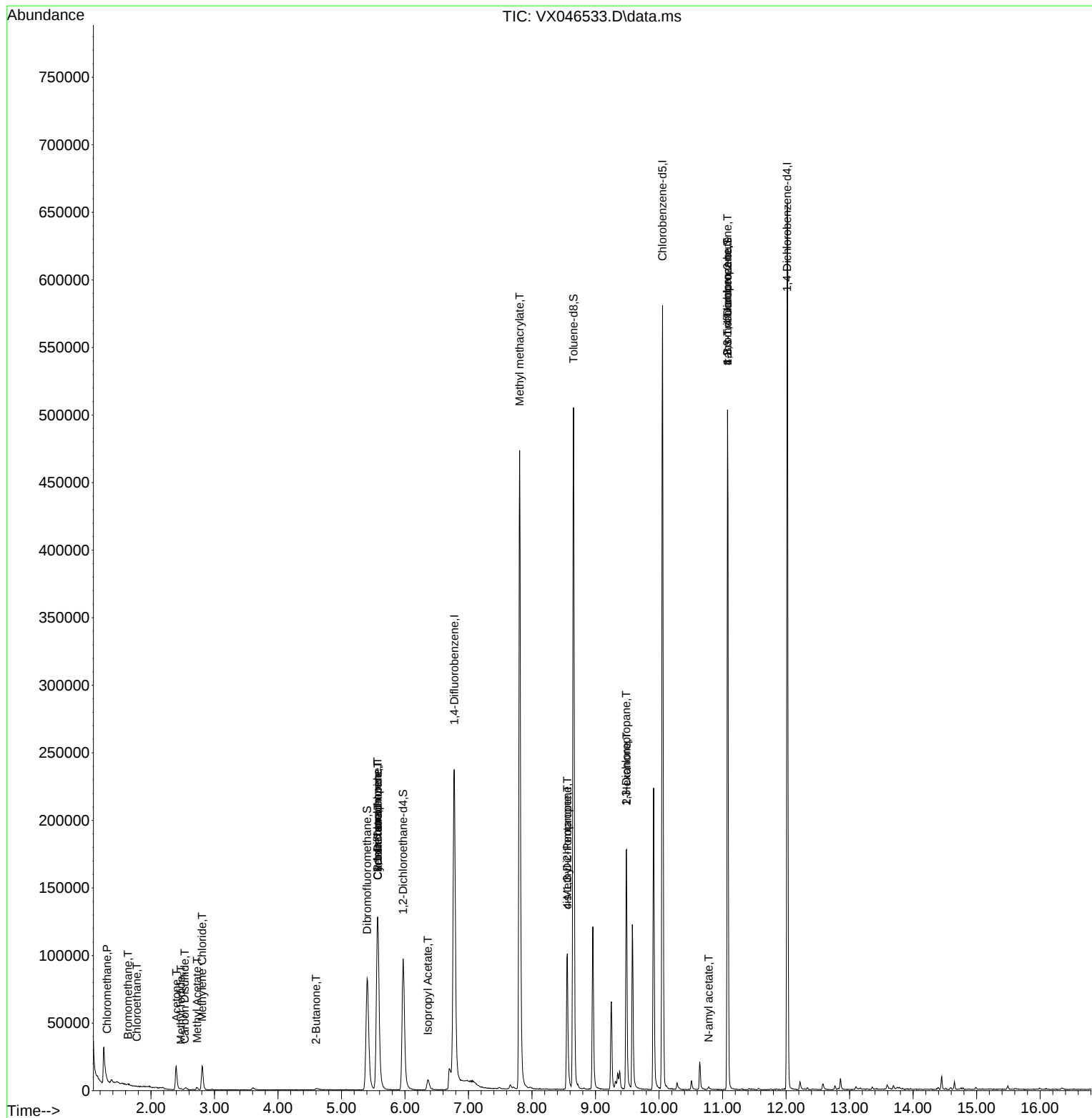
Internal Standards						
1) Pentafluorobenzene	5.568	168	119266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	232245	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	104087	49.055	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.100%
35) Dibromofluoromethane	5.404	113	76346	44.701	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.400%
50) Toluene-d8	8.653	98	293745	52.167	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.340%
62) 4-Bromofluorobenzene	11.079	95	132290	56.784	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	113.560%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	334	0.222	ug/l #	43
5) Bromomethane	1.636	94	399	0.437	ug/l #	77
6) Chloroethane	1.776	64	362	0.371	ug/l #	44
10) Methyl Iodide	2.471	142	658	0.388	ug/l #	81
16) Acetone	2.398	43	22598	31.217	ug/l	98
17) Carbon Disulfide	2.532	76	639	0.414	ug/l #	76
18) Methyl Acetate	2.727	43	2792	1.105	ug/l #	90
20) Methylene Chloride	2.806	84	8222	4.830	ug/l	92
25) 2-Butanone	4.599	43	2426	2.054	ug/l	93
31) Cyclohexane	5.574	56	3149	1.277	ug/l #	11
36) 1,1-Dichloropropene	5.568	75	11257	4.614	ug/l #	52
38) Carbon Tetrachloride	5.574	117	14091	5.157	ug/l #	16
43) Isopropyl Acetate	6.361	43	12187	2.936	ug/l	98
48) Methyl methacrylate	7.806	41	46069	21.570	ug/l #	47
51) 4-Methyl-2-Pentanone	8.555	43	41531	15.744	ug/l #	52
54) cis-1,3-Dichloropropene	8.555	75	15970	5.842	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1509	0.504	ug/l #	42
59) 2-Hexanone	9.488	43	24046	12.711	ug/l #	55
74) N-amyl acetate	10.781	43	1505	0.353	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	73221	28.052	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	73221	80.921	ug/l #	1

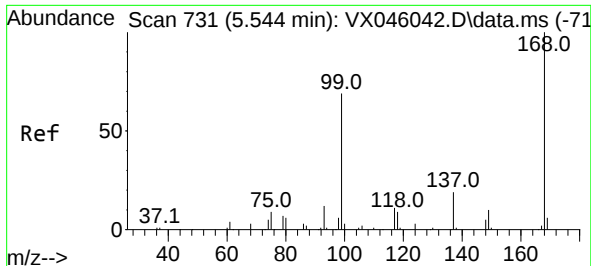
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046533.D
Acq On : 06 Jun 2025 17:21
Operator : JC/MD
Sample : Q2194-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
COMP-13

Quant Time: Jun 06 23:23:23 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

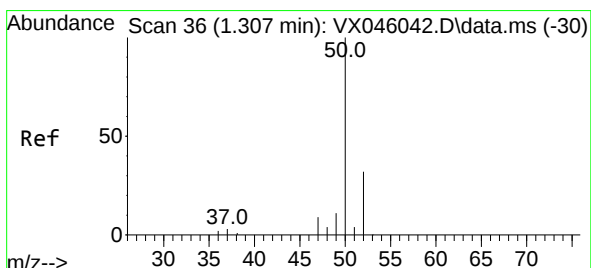
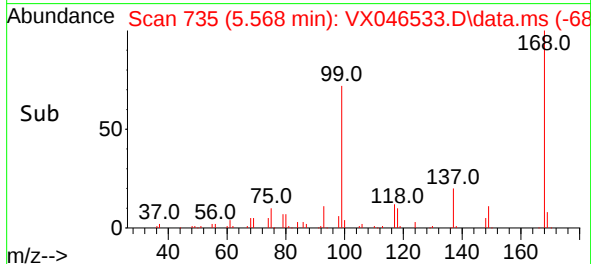
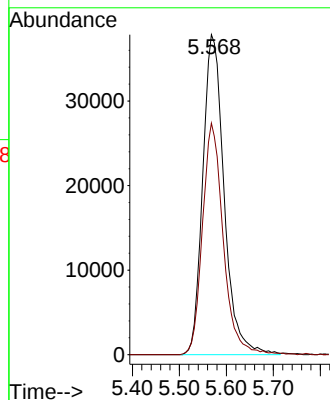
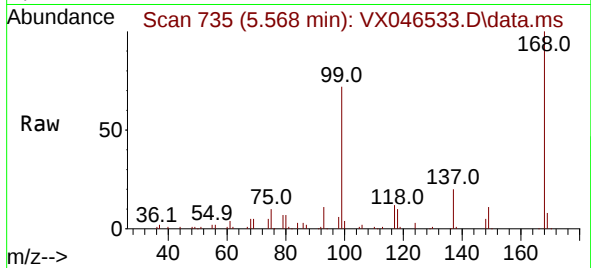




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

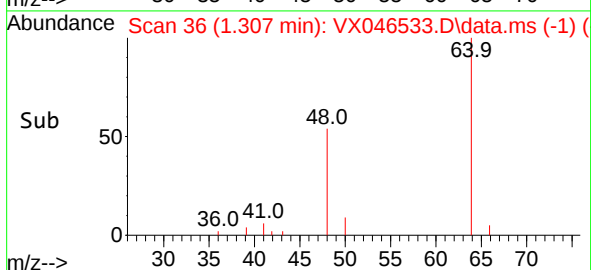
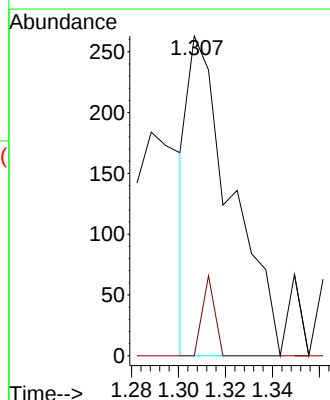
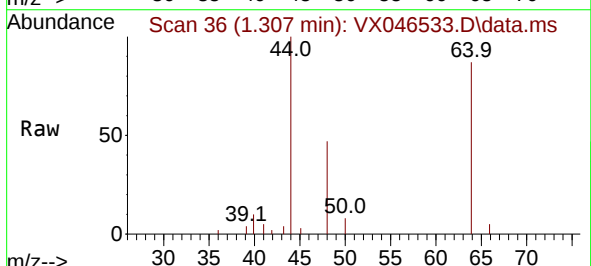
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

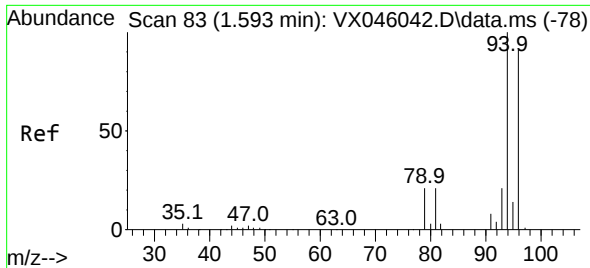
Tgt Ion:168 Resp: 119266
Ion Ratio Lower Upper
168 100
99 72.4 54.9 82.3



#3
Chloromethane
Concen: 0.222 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 50 Resp: 334
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

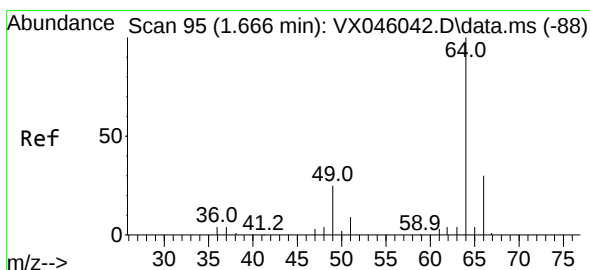
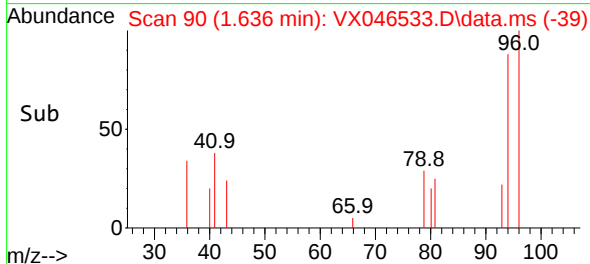
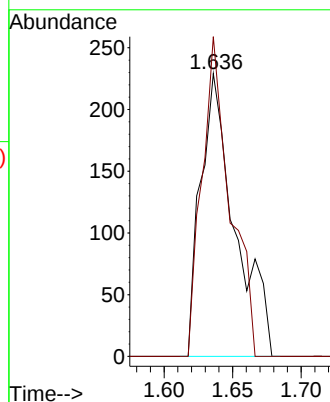
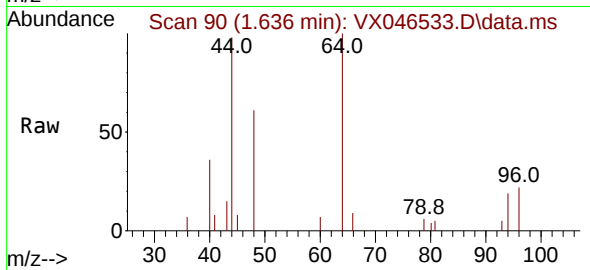




#5
Bromomethane
Concen: 0.437 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

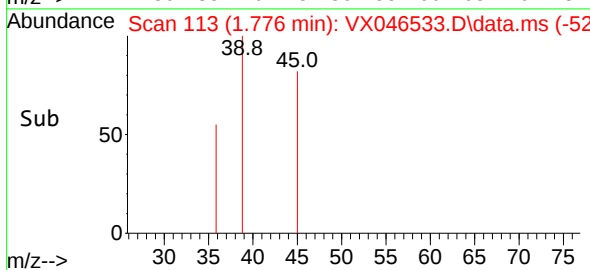
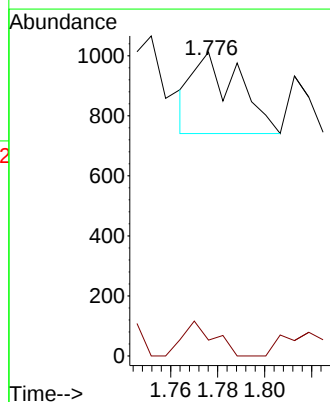
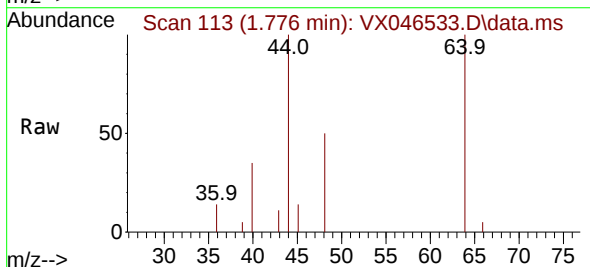
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

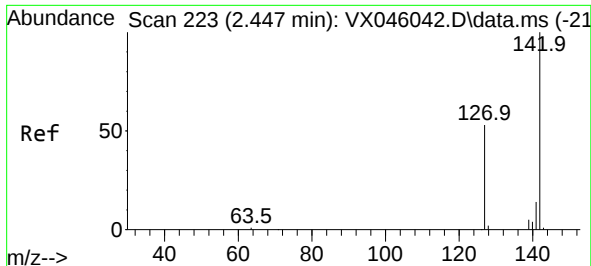
Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 113.1 72.8 109.2#



#6
Chloroethane
Concen: 0.371 ug/l
RT: 1.776 min Scan# 113
Delta R.T. 0.073 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

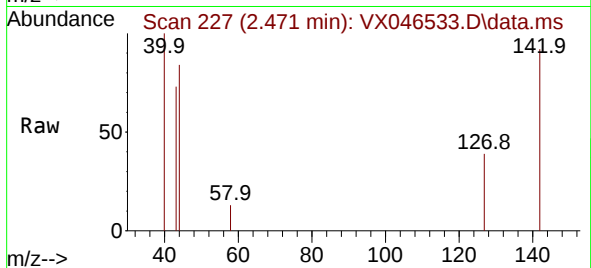
Tgt Ion: 64 Resp: 362
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



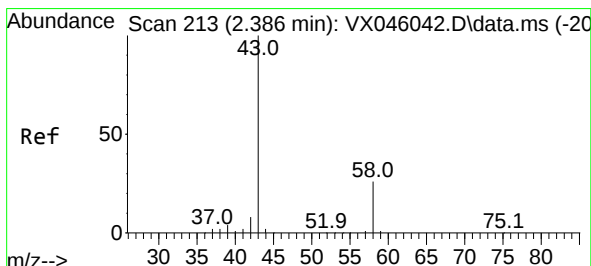
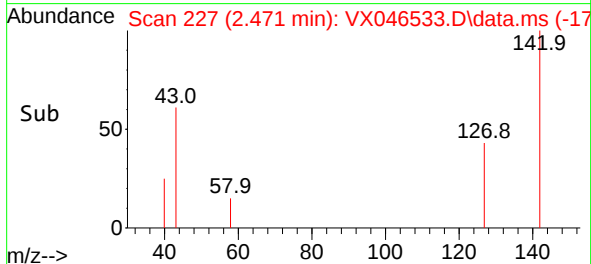
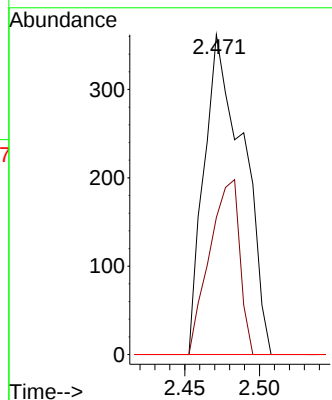


#10
Methyl Iodide
Concen: 0.388 ug/l
RT: 2.471 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Instrument :
MSVOA_X
ClientSampleId :
COMP-13

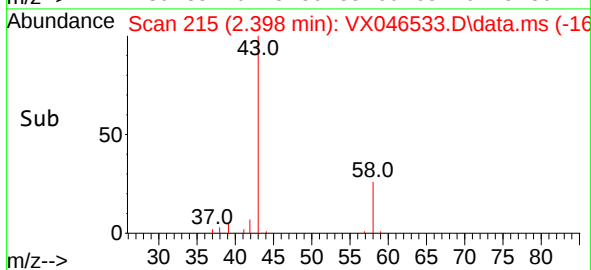
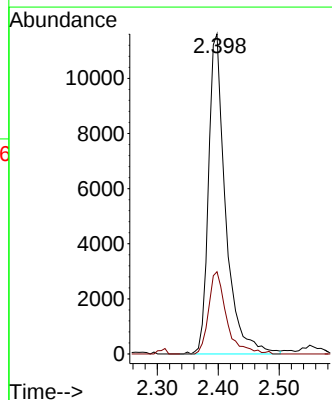
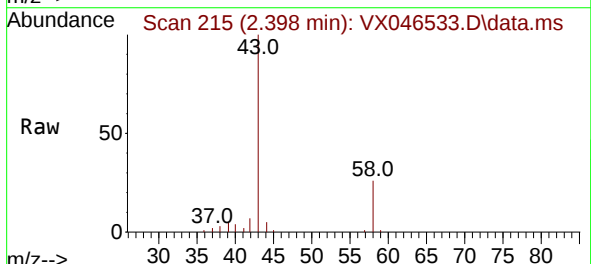


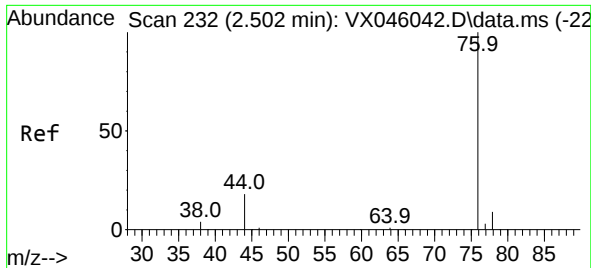
Tgt Ion:142 Resp: 658
Ion Ratio Lower Upper
142 100
127 42.1 41.7 62.5
141 0.0 11.5 17.3#



#16
Acetone
Concen: 31.217 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 43 Resp: 22598
Ion Ratio Lower Upper
43 100
58 25.7 21.2 31.8

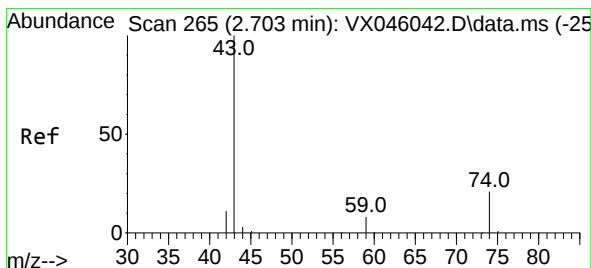
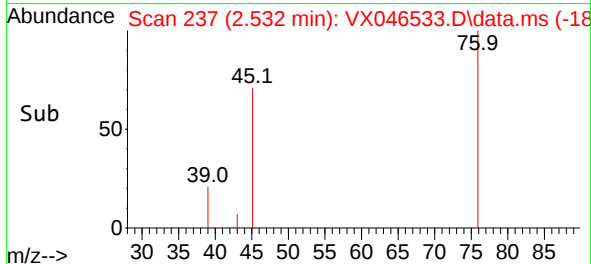
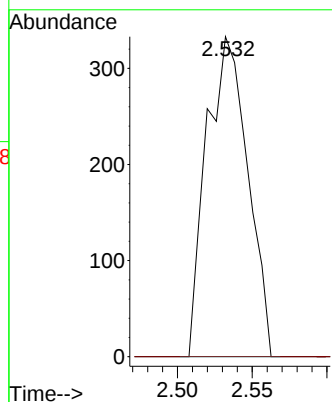
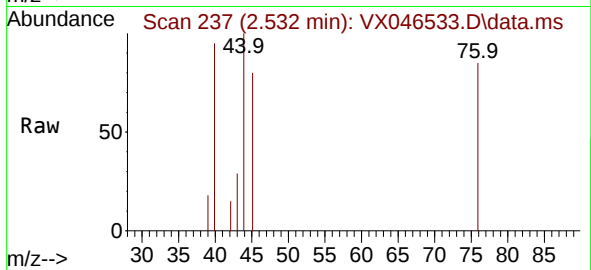




#17
Carbon Disulfide
Concen: 0.414 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

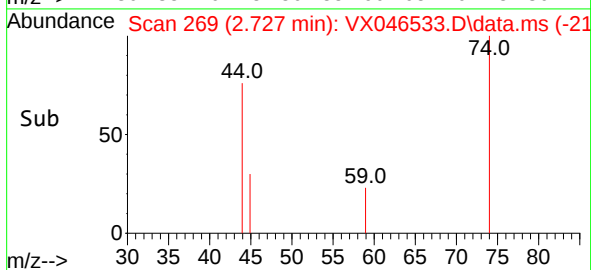
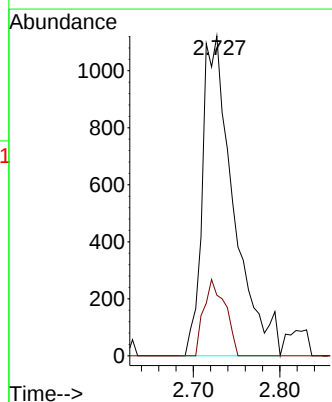
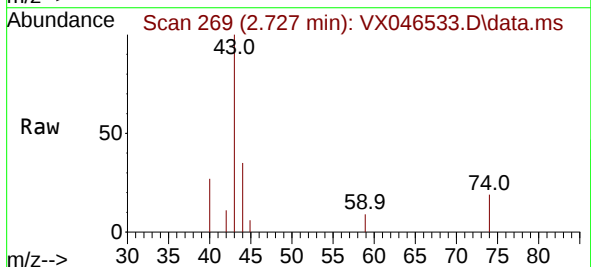
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

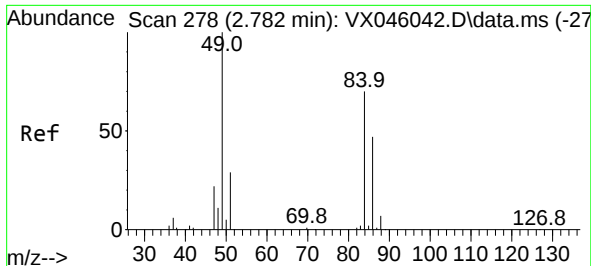
Tgt Ion: 76 Resp: 639
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 1.105 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.006 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 43 Resp: 2792
Ion Ratio Lower Upper
43 100
74 16.4 16.7 25.1#

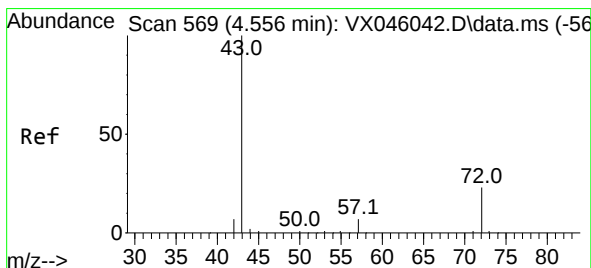
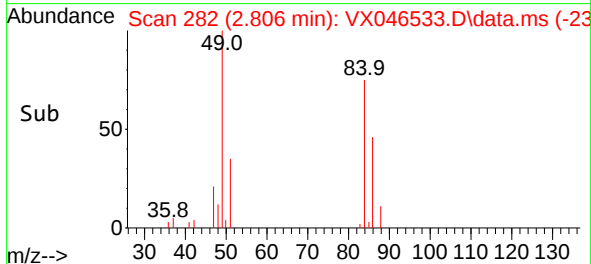
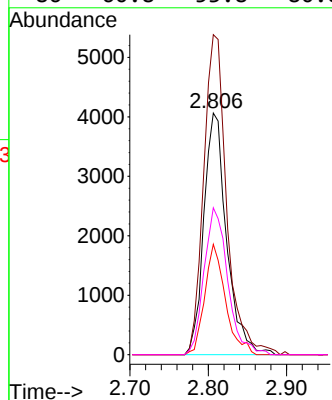
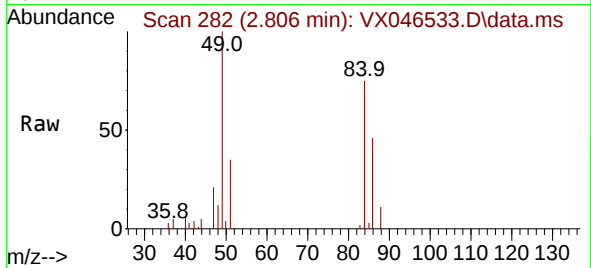




#20
Methylene Chloride
Concen: 4.830 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

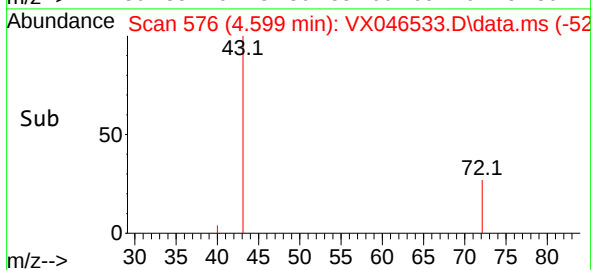
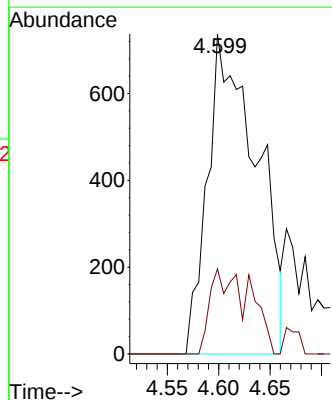
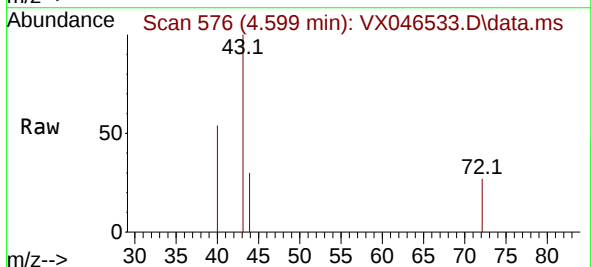
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

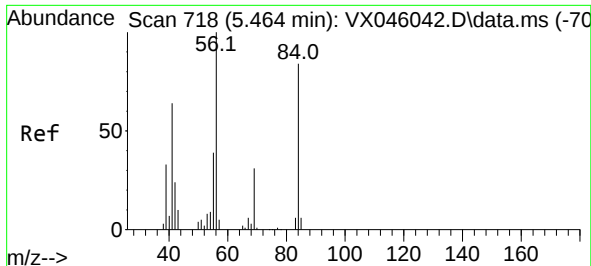
Tgt Ion: 84 Resp: 8222
Ion Ratio Lower Upper
84 100
49 132.5 113.9 170.9
51 45.7 33.5 50.3
86 60.8 53.8 80.8



#25
2-Butanone
Concen: 2.054 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.025 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 43 Resp: 2426
Ion Ratio Lower Upper
43 100
72 26.6 18.4 27.6

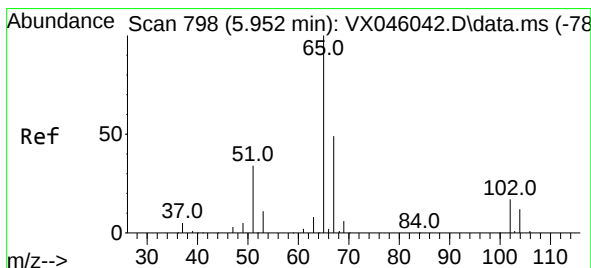
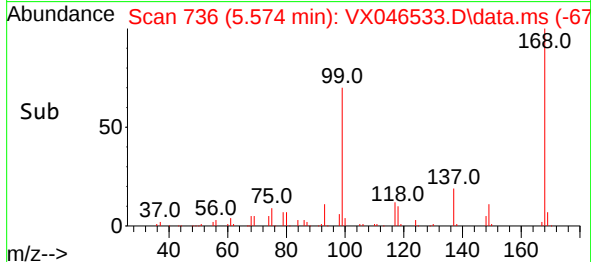
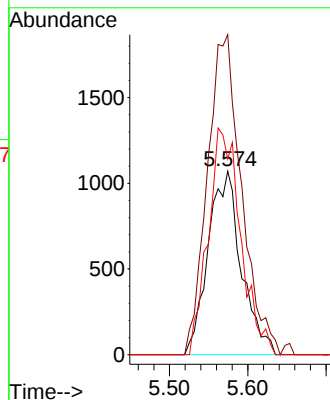
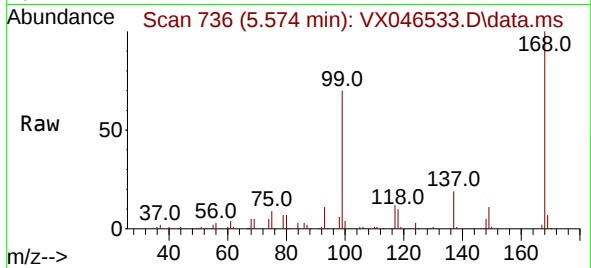




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.574 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

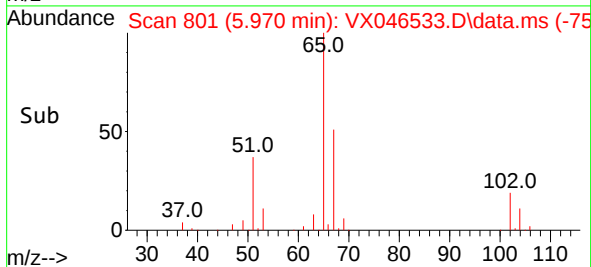
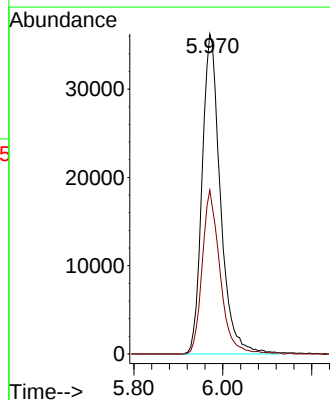
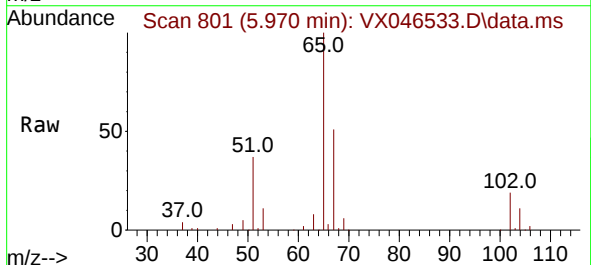
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

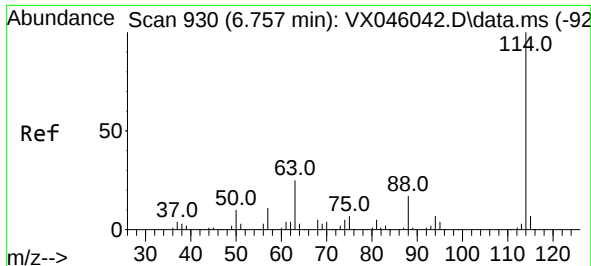
Tgt Ion: 56 Resp: 3149
Ion Ratio Lower Upper
56 100
69 174.3 24.4 36.6#
84 106.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 49.055 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 65 Resp: 104087
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

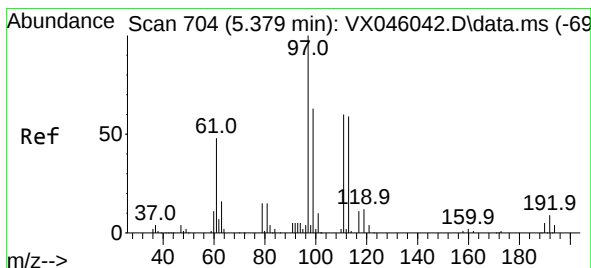
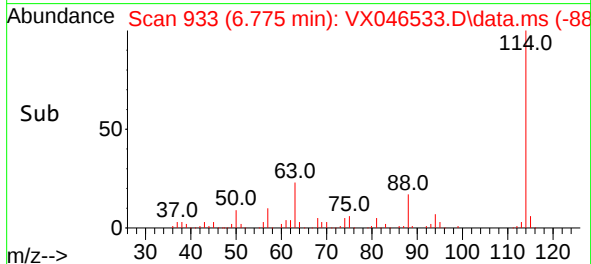
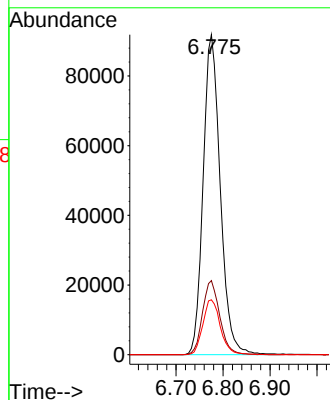
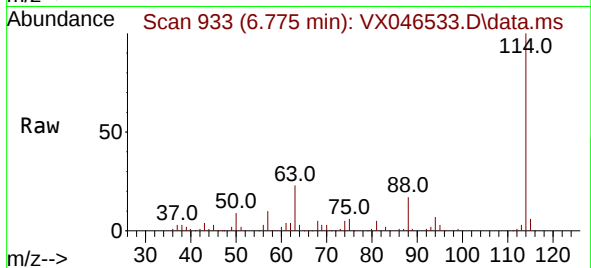




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

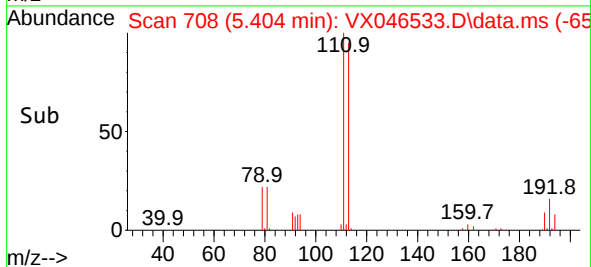
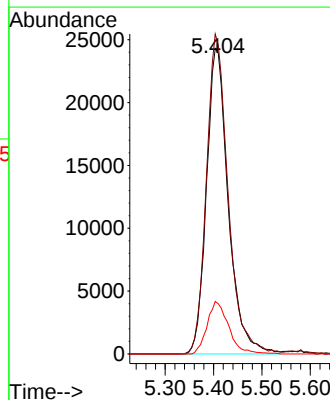
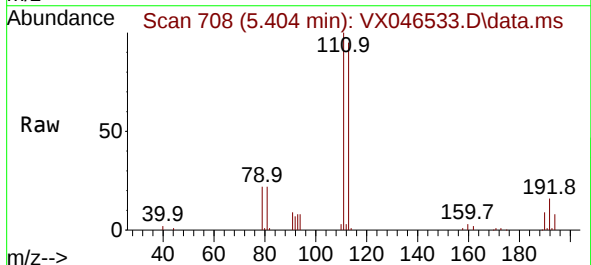
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

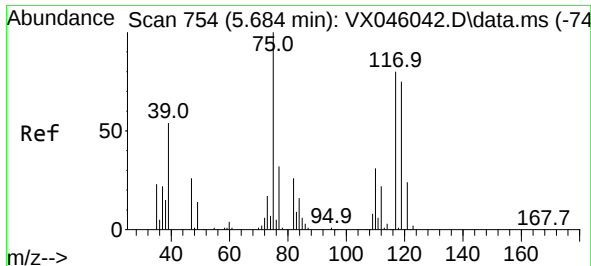
Tgt Ion:114 Resp: 232245
Ion Ratio Lower Upper
114 100
63 23.1 0.0 49.2
88 17.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 44.701 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.001 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion:113 Resp: 76346
Ion Ratio Lower Upper
113 100
111 104.1 83.1 124.7
192 17.0 13.3 19.9

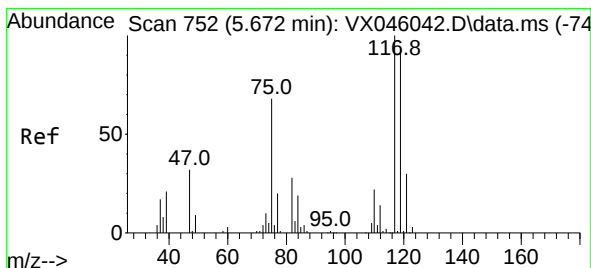
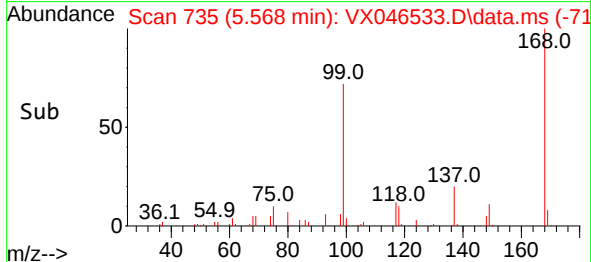
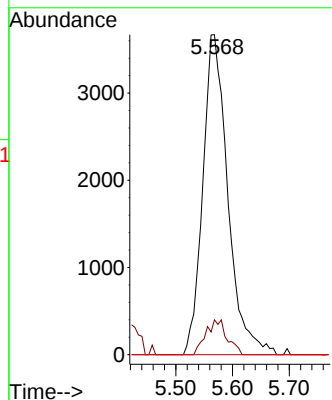
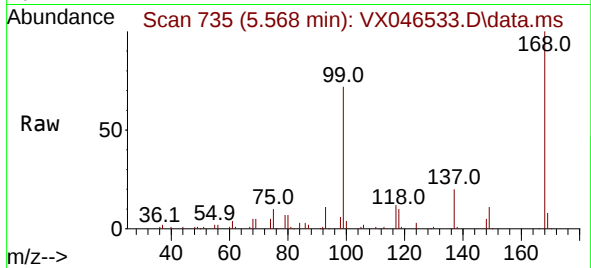




#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

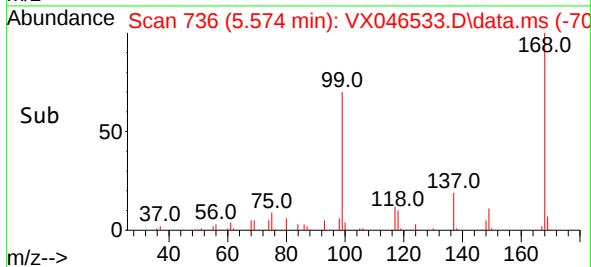
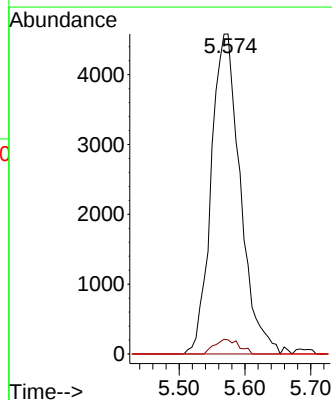
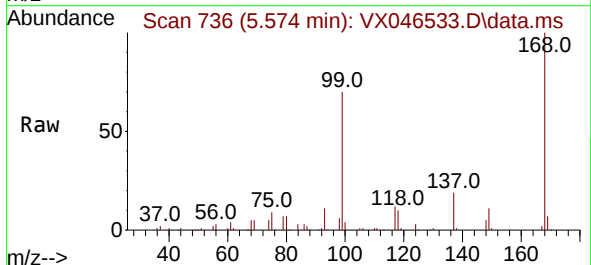
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

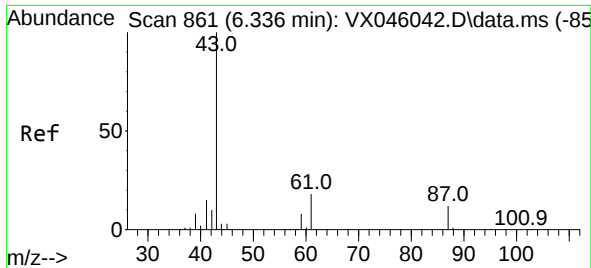
Tgt Ion: 75 Resp: 11257
Ion Ratio Lower Upper
75 100
110 9.2 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.157 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.122 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 117 Resp: 14091
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#

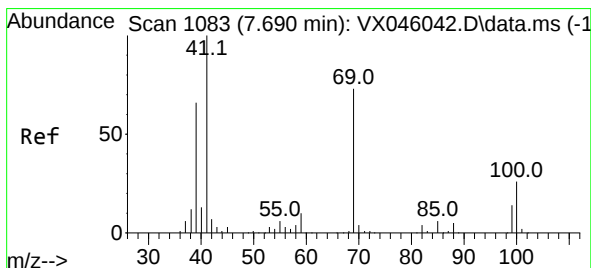
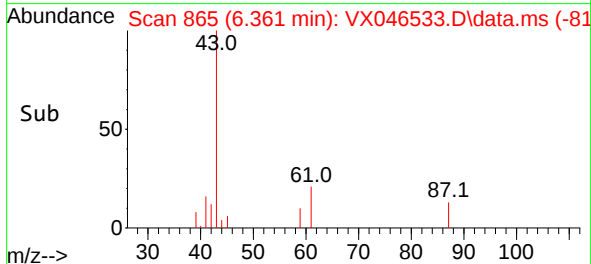
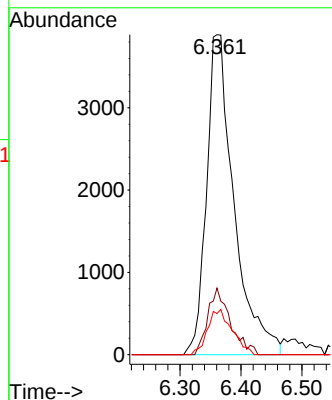
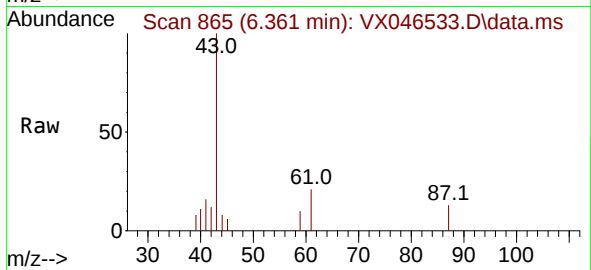




#43
Isopropyl Acetate
Concen: 2.936 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

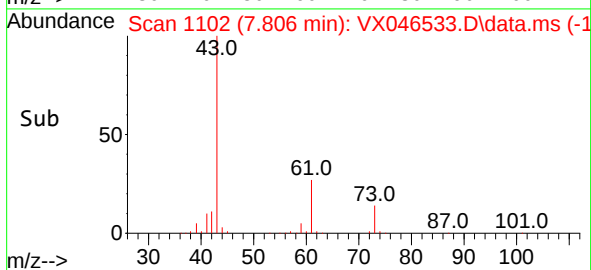
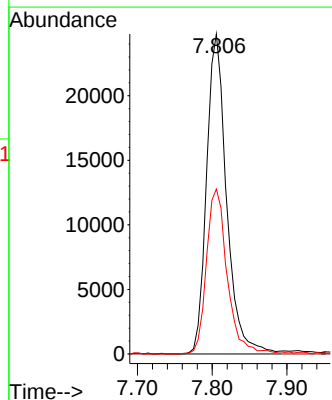
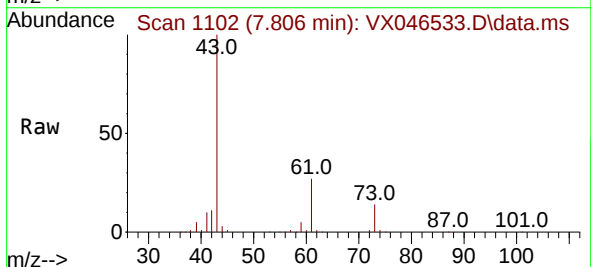
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

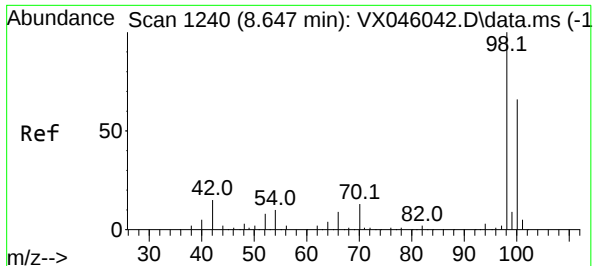
Tgt Ion: 43 Resp: 12187
Ion Ratio Lower Upper
43 100
61 17.1 14.3 21.5
87 12.7 9.5 14.3



#48
Methyl methacrylate
Concen: 21.570 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 41 Resp: 46069
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.3 51.7 77.5

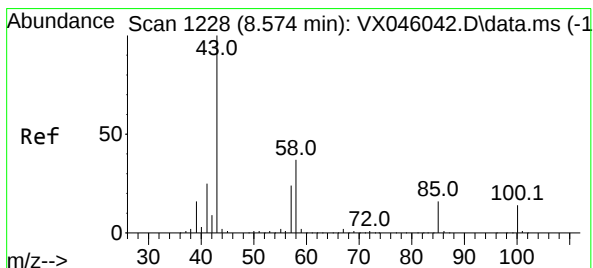
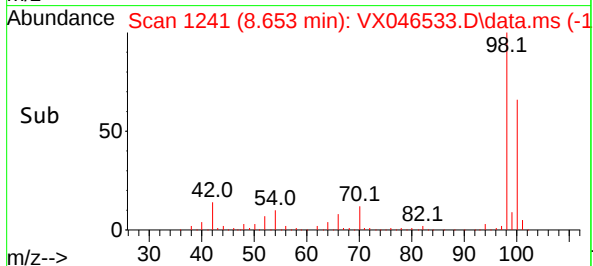
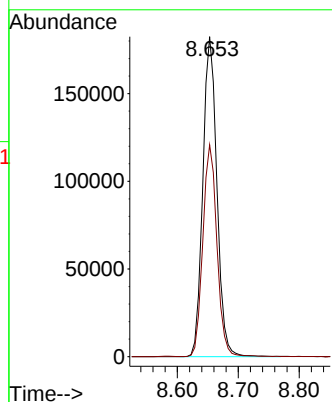
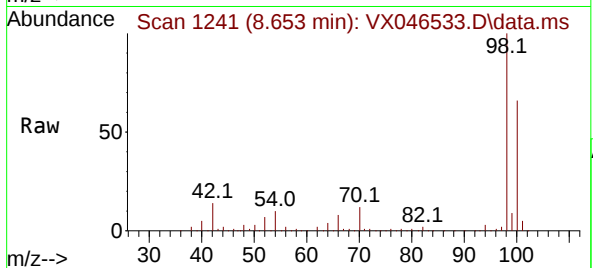




#50
Toluene-d8
Concen: 52.167 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

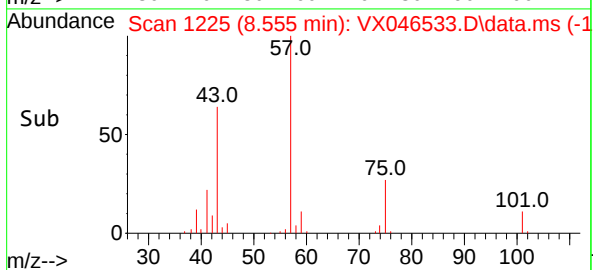
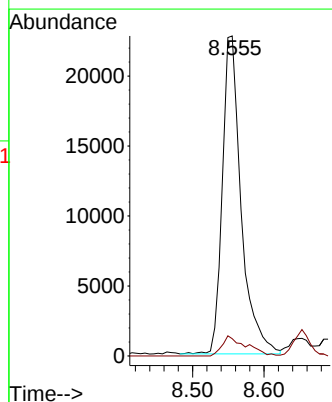
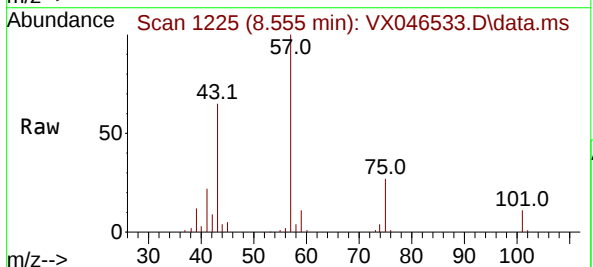
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

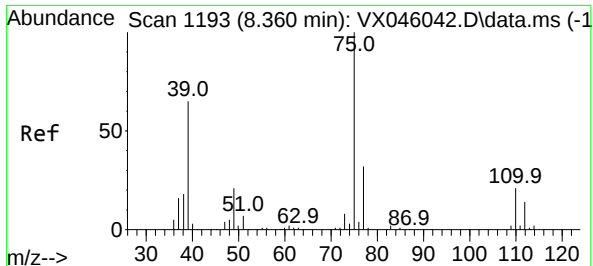
Tgt Ion: 98 Resp: 293745
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 15.744 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.018 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 43 Resp: 41531
Ion Ratio Lower Upper
43 100
58 8.1 28.9 43.3#

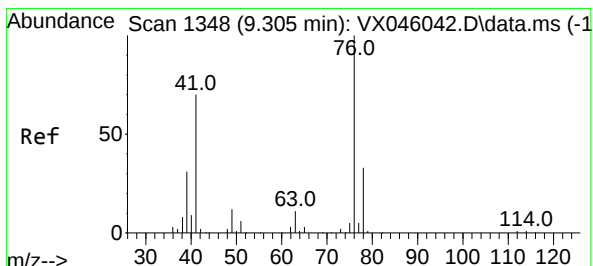
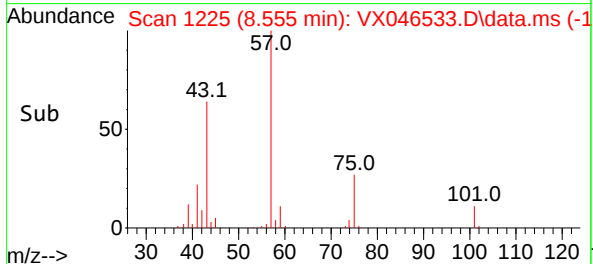
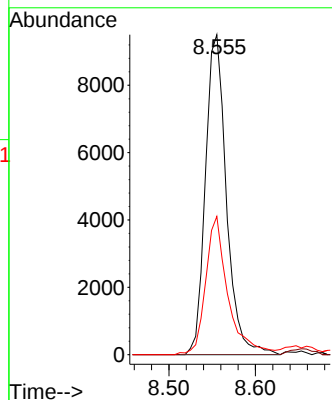
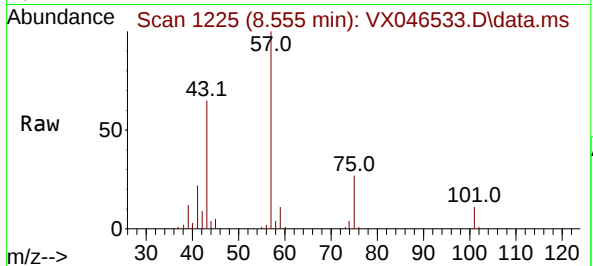




#54
 cis-1,3-Dichloropropene
 Concen: 5.842 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046533.D
 Acq: 06 Jun 2025 17:21

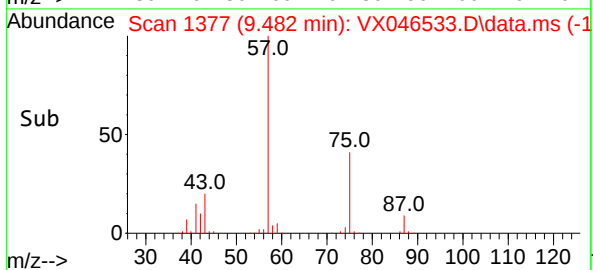
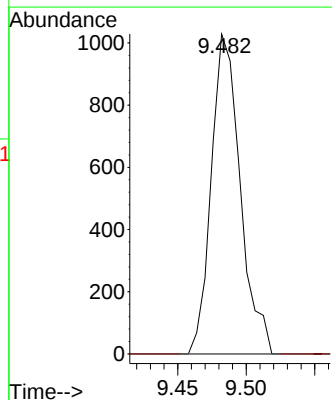
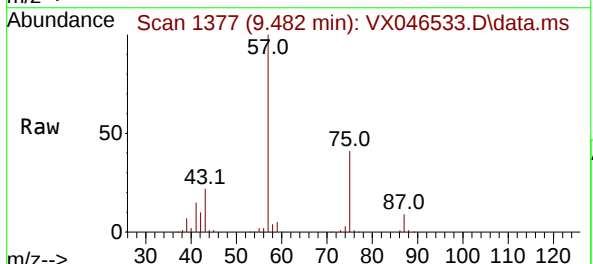
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-13

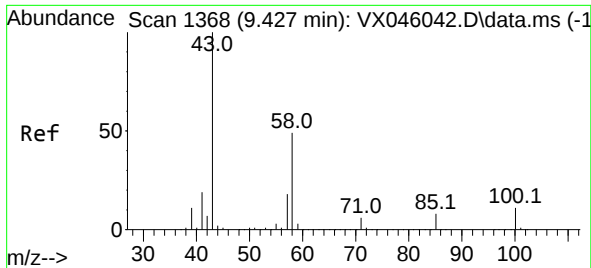
Tgt Ion: 75 Resp: 15970
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 42.6 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.504 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046533.D
 Acq: 06 Jun 2025 17:21

Tgt Ion: 76 Resp: 1509
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

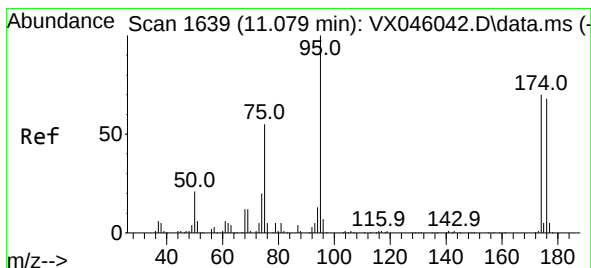
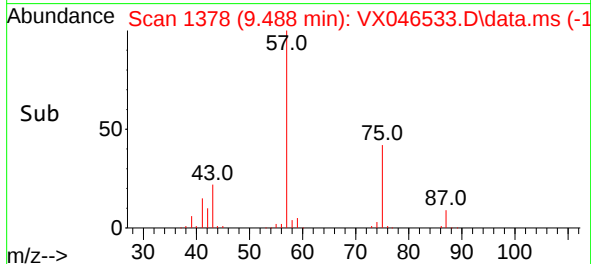
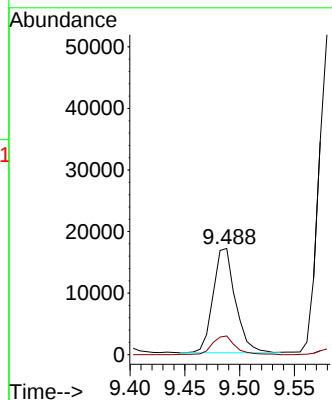
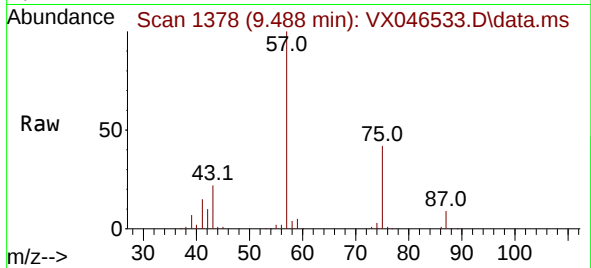




#59
2-Hexanone
Concen: 12.711 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

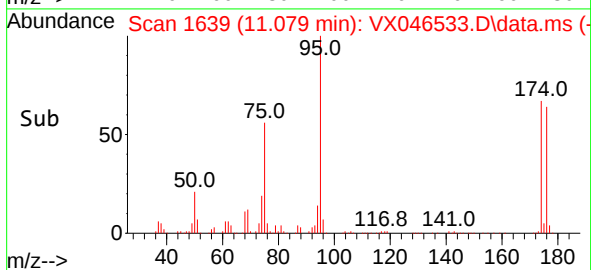
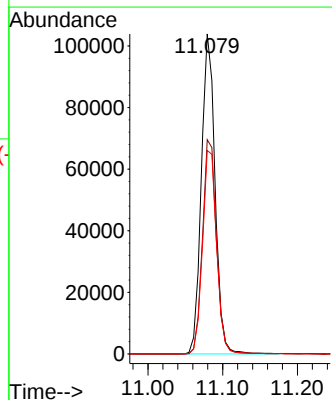
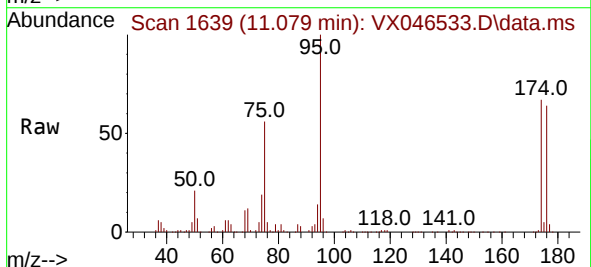
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

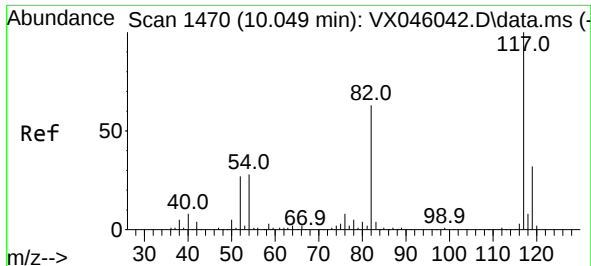
Tgt Ion: 43 Resp: 24046
Ion Ratio Lower Upper
43 100
58 18.6 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 56.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion: 95 Resp: 132290
Ion Ratio Lower Upper
95 100
174 68.3 0.0 135.8
176 65.5 0.0 131.4

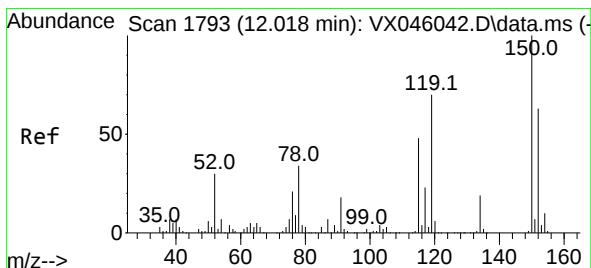
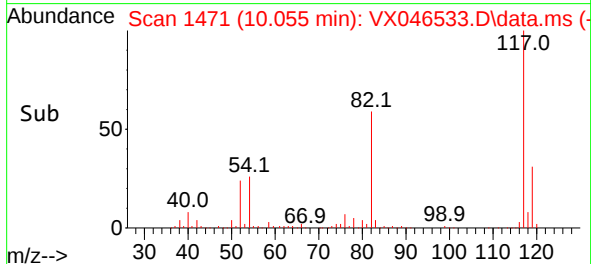
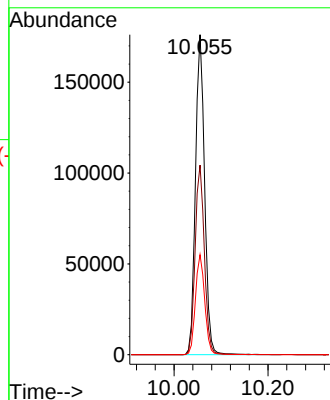
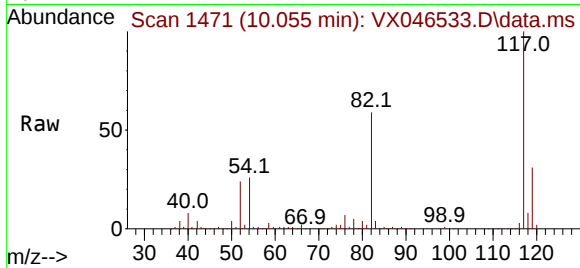




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

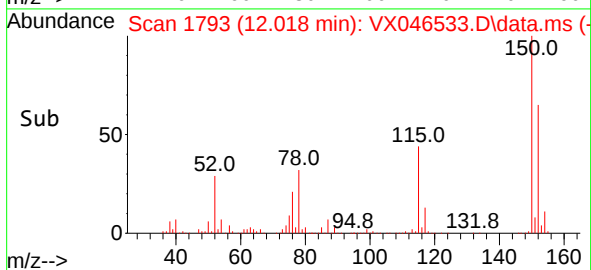
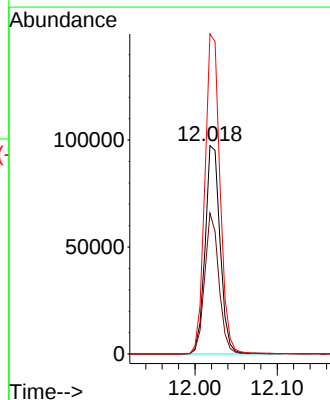
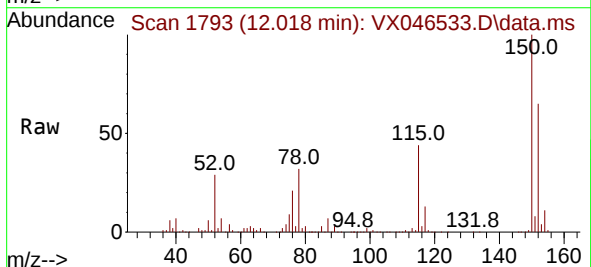
Instrument :
MSVOA_X
ClientSampleId :
COMP-13

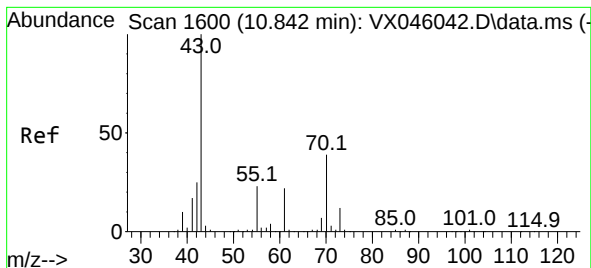
Tgt Ion:117 Resp: 239760
Ion Ratio Lower Upper
117 100
82 59.3 50.6 76.0
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Tgt Ion:152 Resp: 123229
Ion Ratio Lower Upper
152 100
115 64.3 46.9 140.7
150 155.5 0.0 351.0





#74

N-amy1 acetate

Concen: 0.353 ug/l

RT: 10.781 min Scan# 1

Delta R.T. -0.060 min

Lab File: VX046533.D

Acq: 06 Jun 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

COMP-13

Tgt Ion: 43 Resp: 1505

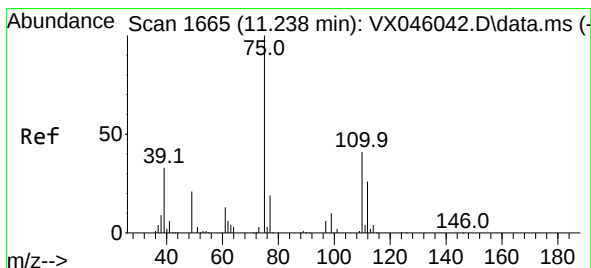
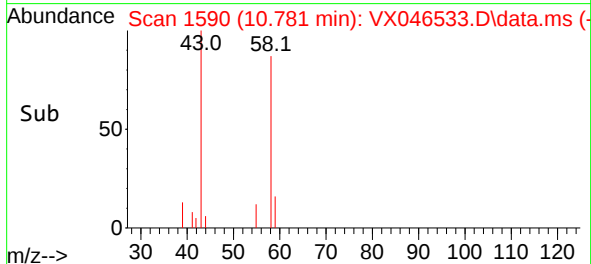
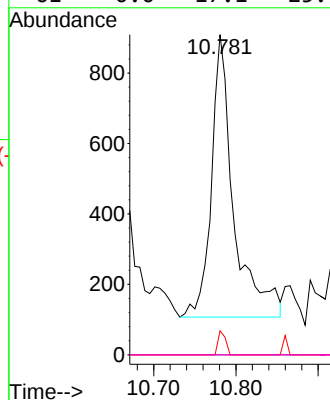
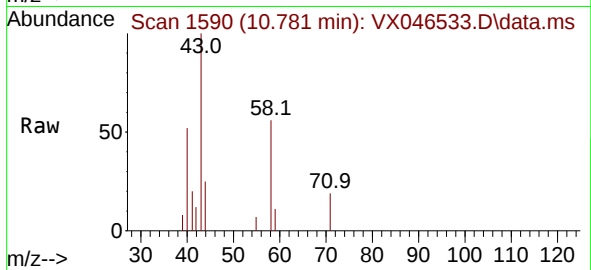
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 2.9 18.7 28.1#

61 0.0 17.1 25.7#



#76

1,2,3-Trichloropropane

Concen: 28.052 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046533.D

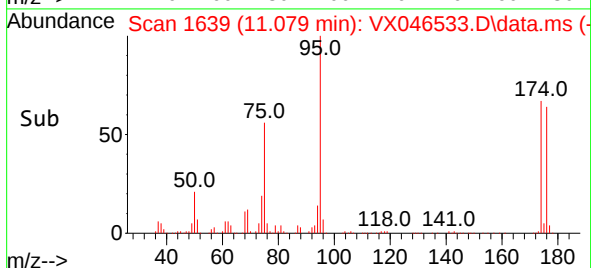
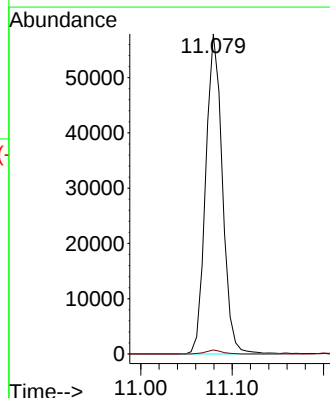
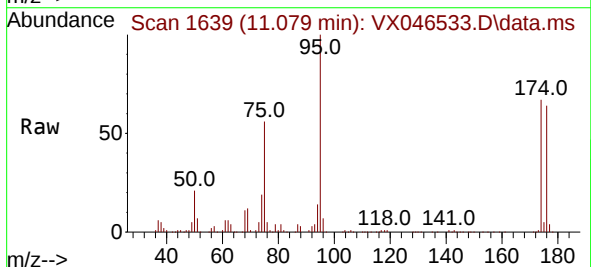
Acq: 06 Jun 2025 17:21

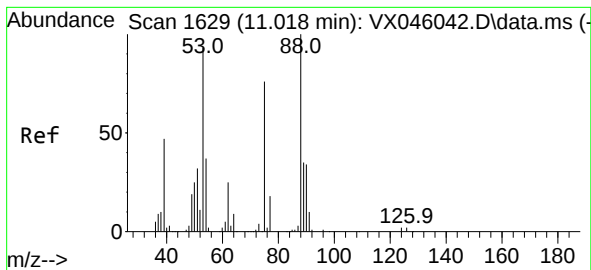
Tgt Ion: 75 Resp: 73221

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 80.921 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046533.D
Acq: 06 Jun 2025 17:21

Instrument :
MSVOA_X
ClientSampleId :
COMP-13

Tgt Ion: 75 Resp: 73221
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

