

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046667.D
 Acq On : 12 Jun 2025 16:32
 Operator : JC/MD
 Sample : Q2275-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-060925

Quant Time: Jun 13 01:46:03 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	5.574	168	68445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	127742	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59204	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	67313	55.279	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.560%
35) Dibromofluoromethane	5.403	113	53151	56.579	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.160%
50) Toluene-d8	8.653	98	168357	54.359	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.720%
62) 4-Bromofluorobenzene	11.079	95	70746	55.209	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.420%

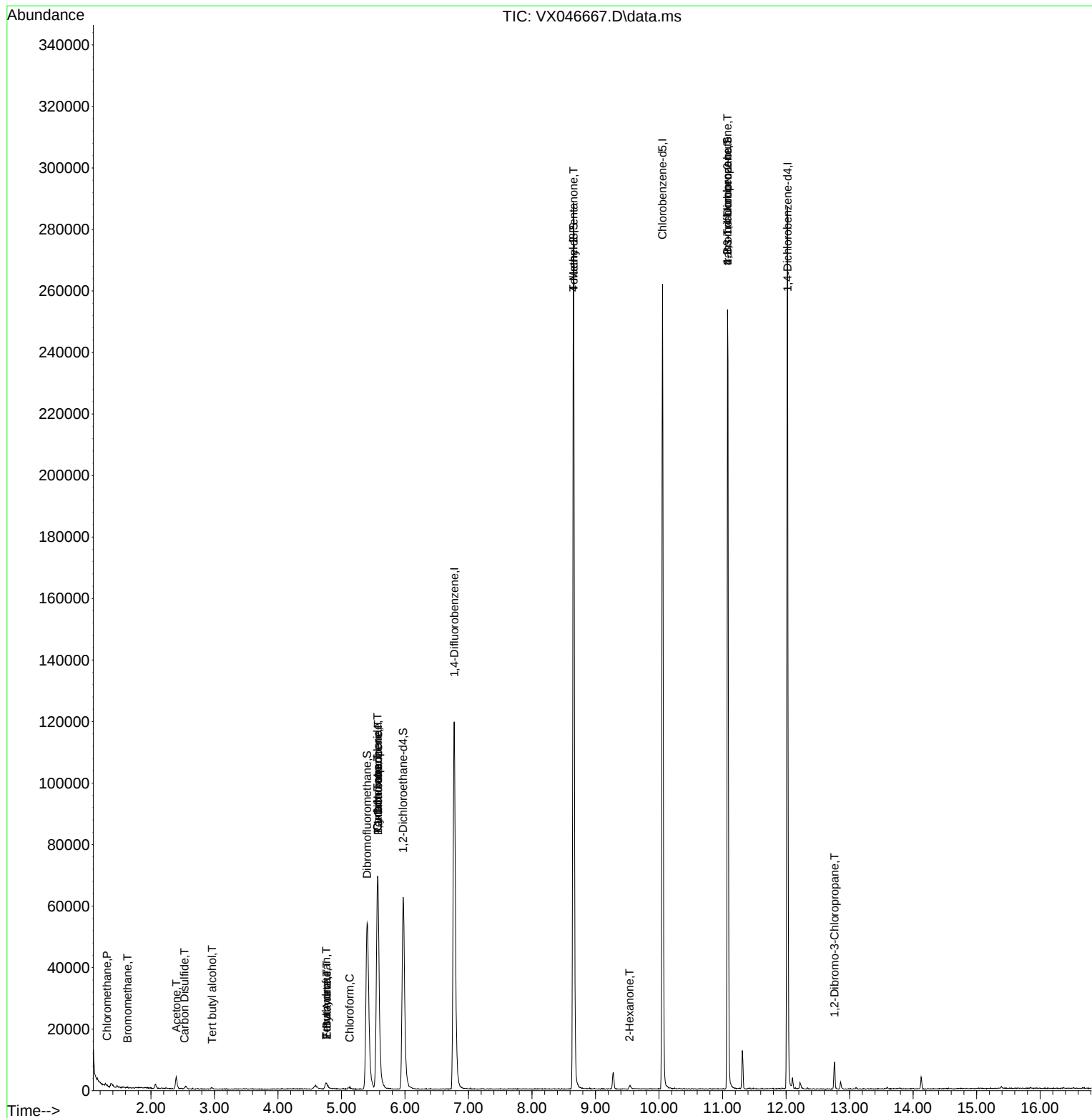
Target Compounds					Qvalue	
3) Chloromethane	1.307	50	218	0.252	ug/l #	60
5) Bromomethane	1.630	94	107	0.204	ug/l #	78
11) Tert butyl alcohol	2.965	59	77	0.570	ug/l #	72
16) Acetone	2.398	43	4909	14.672	ug/l	97
17) Carbon Disulfide	2.526	76	298	0.374	ug/l #	76
25) 2-Butanone	4.769	43	4515	6.661	ug/l #	53
29) Tetrahydrofuran	4.763	42	200	0.467	ug/l #	35
30) Chloroform	5.129	83	701	0.382	ug/l #	29
31) Cyclohexane	5.568	56	1501	1.060	ug/l #	19
36) 1,1-Dichloropropene	5.574	75	5863	4.369	ug/l #	50
37) Ethyl Acetate	4.769	43	4857	3.709	ug/l #	70
38) Carbon Tetrachloride	5.568	117	7430	4.943	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	838	0.578	ug/l #	1
59) 2-Hexanone	9.537	43	292	0.281	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37380	29.808	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37380	85.985	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	12.762	75	260	0.779	ug/l #	19

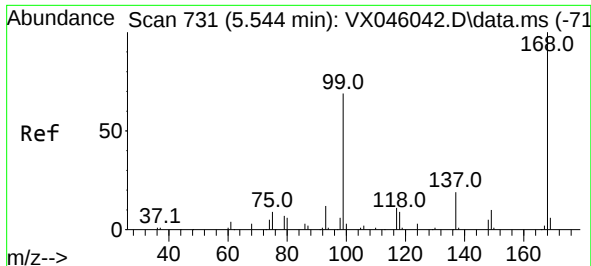
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
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Quant Time: Jun 13 01:46:03 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

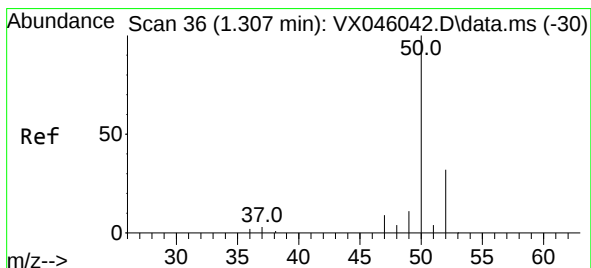
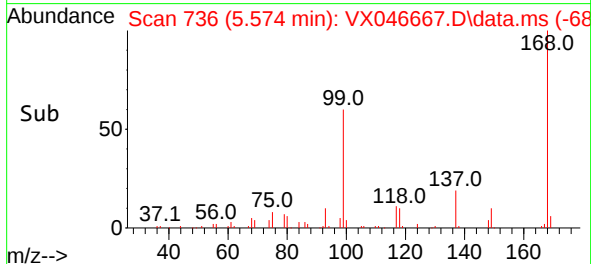
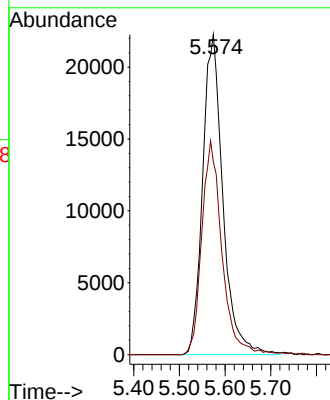
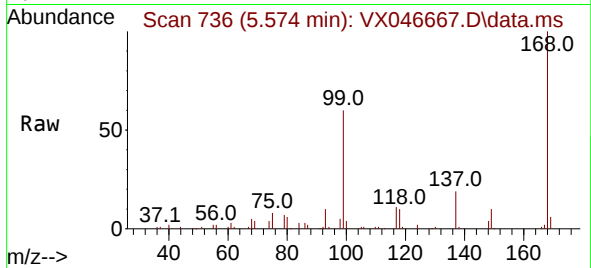




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

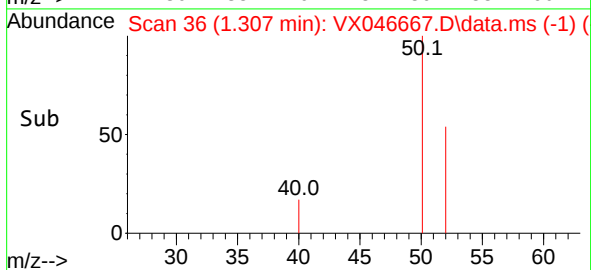
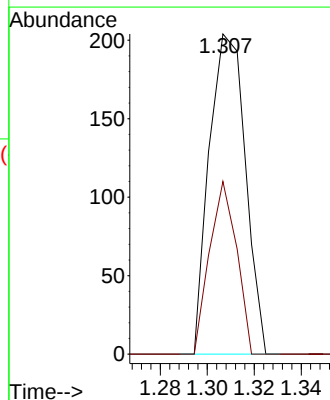
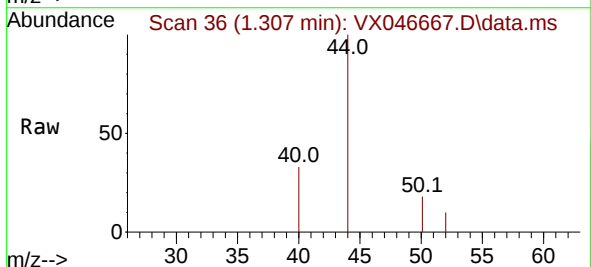
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

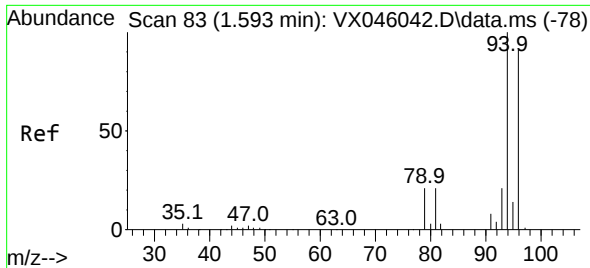
Tgt Ion:168 Resp: 68445
Ion Ratio Lower Upper
168 100
99 60.3 54.9 82.3



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 50 Resp: 218
Ion Ratio Lower Upper
50 100
52 53.9 25.4 38.2#

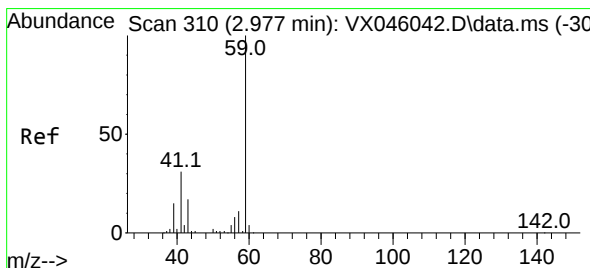
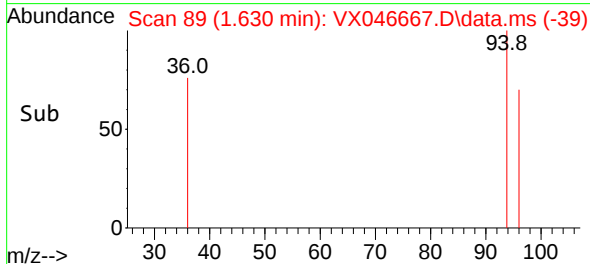
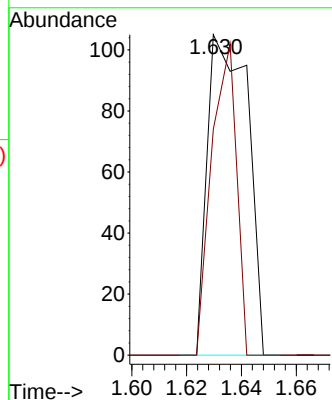
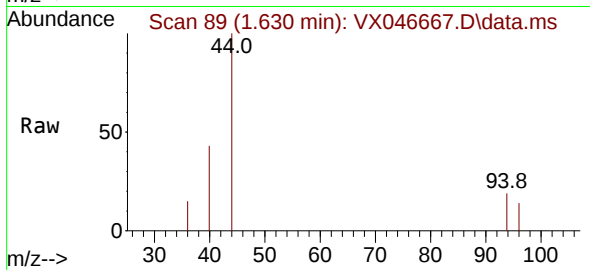




#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.630 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

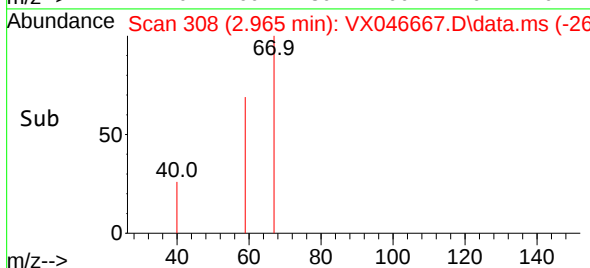
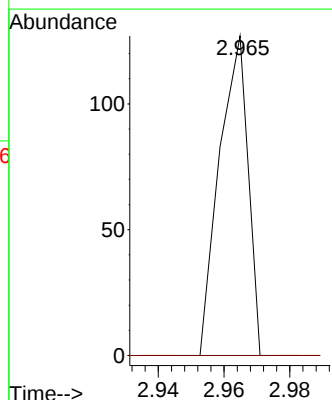
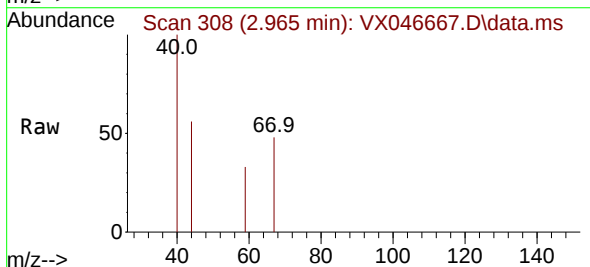
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

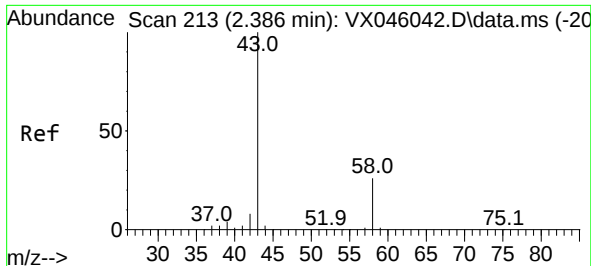
Tgt Ion: 94 Resp: 107
Ion Ratio Lower Upper
94 100
96 70.5 72.8 109.2#



#11
Tert butyl alcohol
Concen: 0.570 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

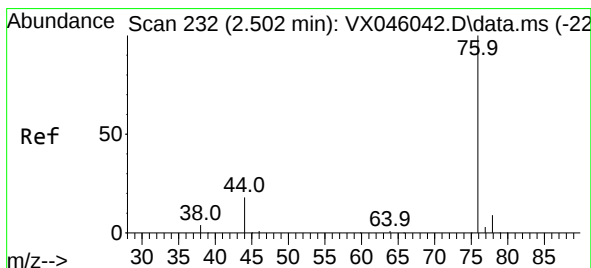
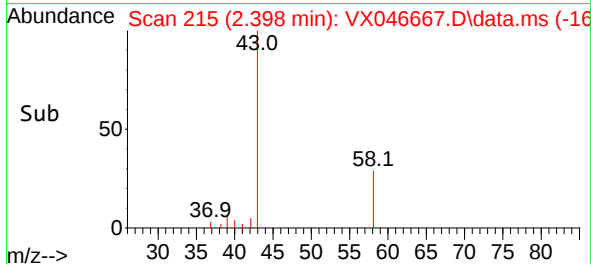
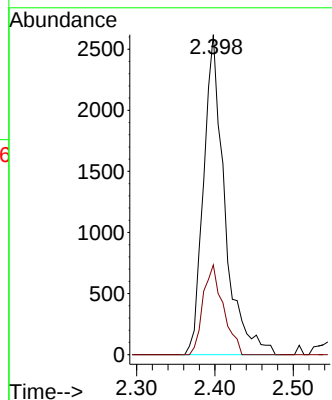
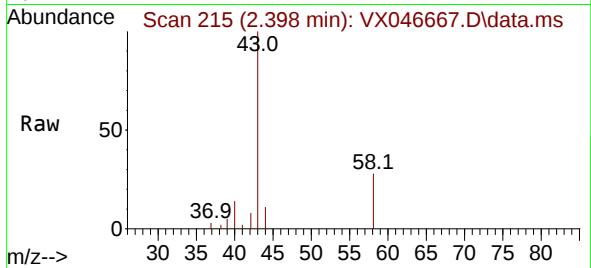




#16
Acetone
Concen: 14.672 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

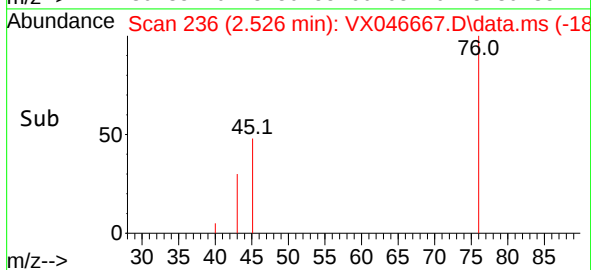
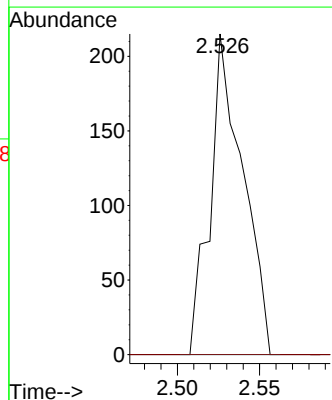
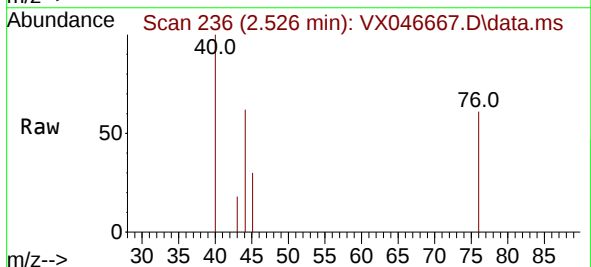
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

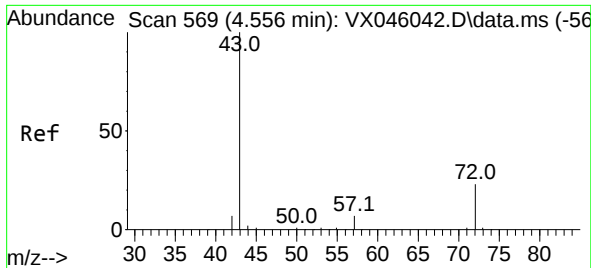
Tgt Ion: 43 Resp: 4909
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8



#17
Carbon Disulfide
Concen: 0.374 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 76 Resp: 298
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

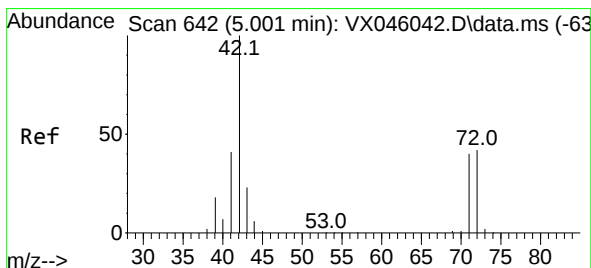
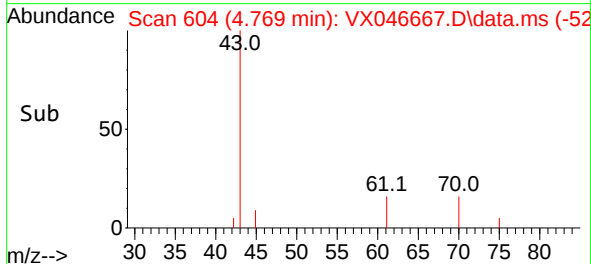
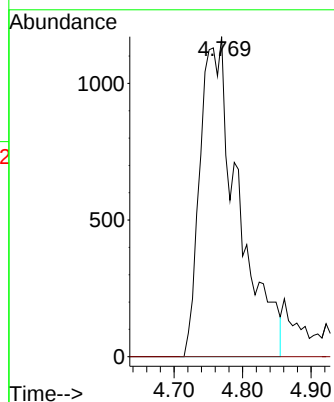
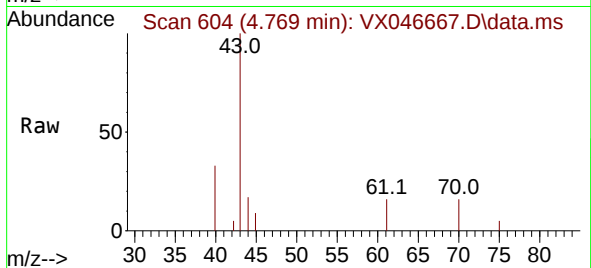




#25
2-Butanone
Concen: 6.661 ug/l
RT: 4.769 min Scan# 604
Delta R.T. 0.195 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

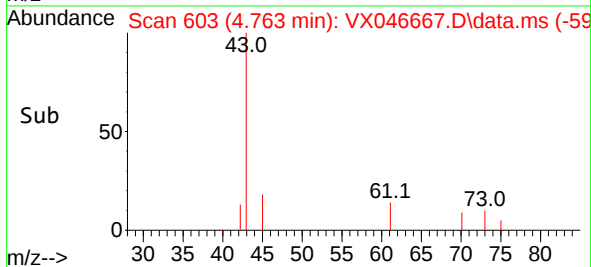
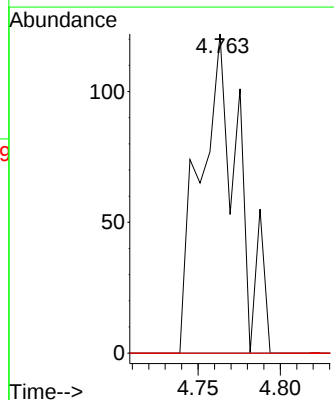
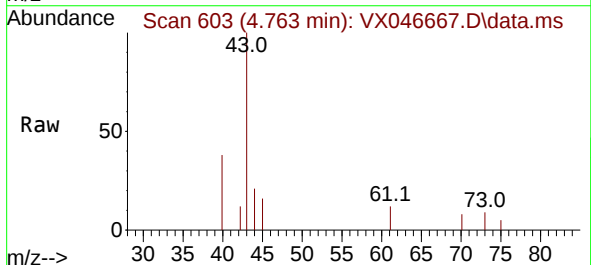
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

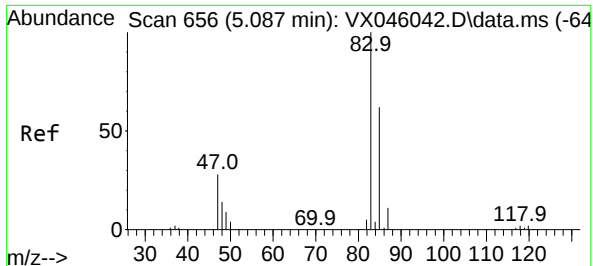
Tgt Ion: 43 Resp: 4515
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.467 ug/l
RT: 4.763 min Scan# 603
Delta R.T. -0.256 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 42 Resp: 200
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#





#30

Chloroform

Concen: 0.382 ug/l

RT: 5.129 min Scan# 6

Delta R.T. 0.018 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

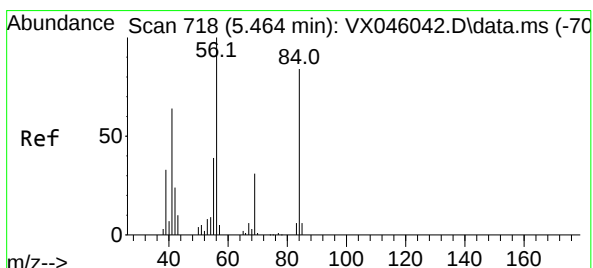
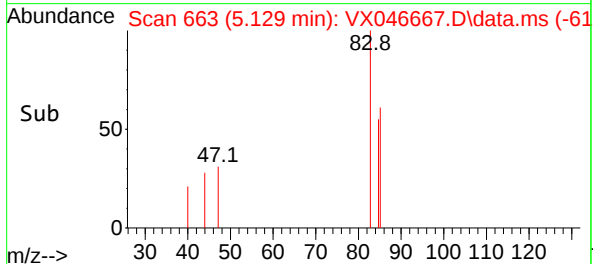
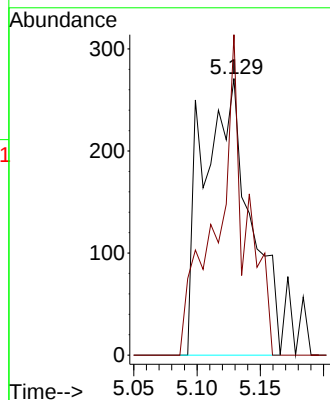
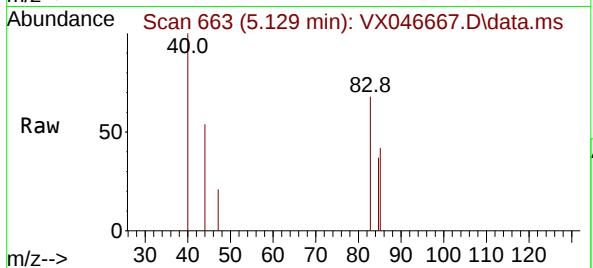
EB01-060925

Tgt Ion: 83 Resp: 701

Ion Ratio Lower Upper

83 100

85 115.9 49.3 73.9#



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

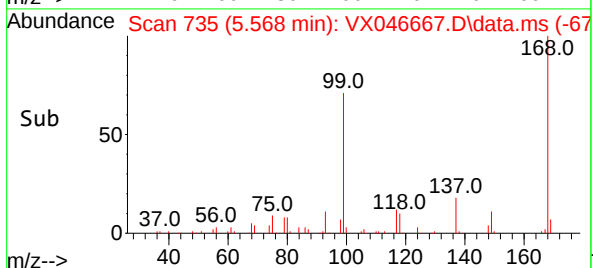
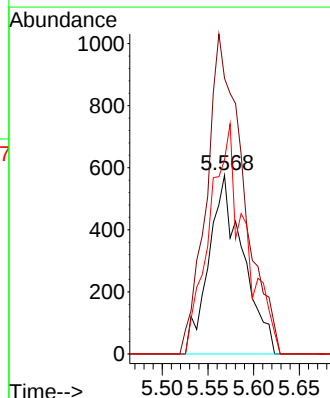
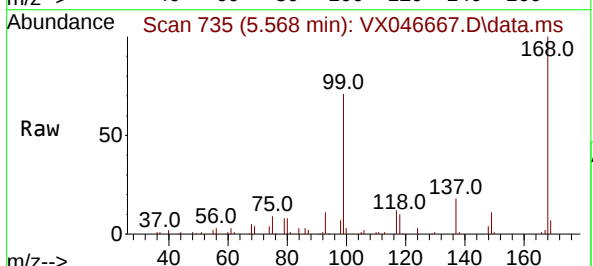
Tgt Ion: 56 Resp: 1501

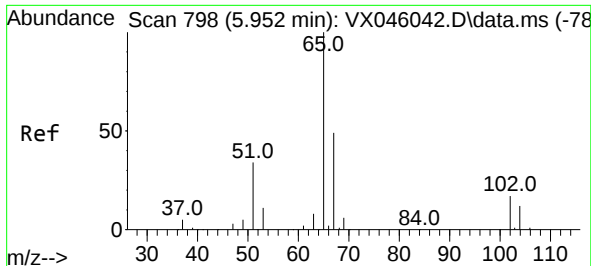
Ion Ratio Lower Upper

56 100

69 154.2 24.4 36.6#

84 108.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 55.279 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

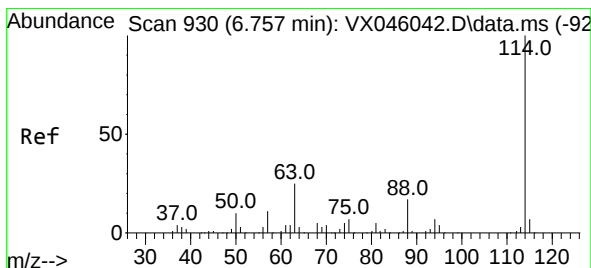
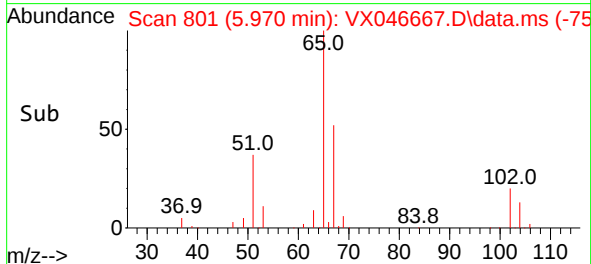
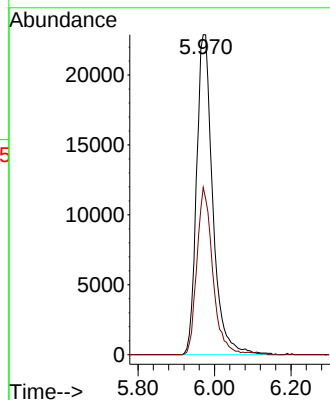
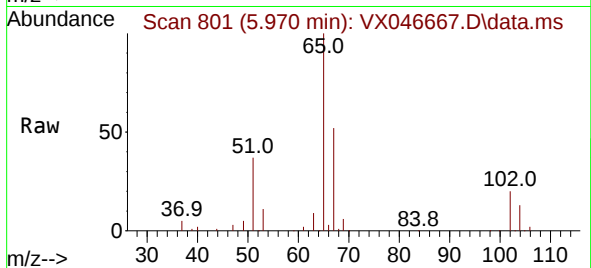
EB01-060925

Tgt Ion: 65 Resp: 67313

Ion Ratio Lower Upper

65 100

67 51.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

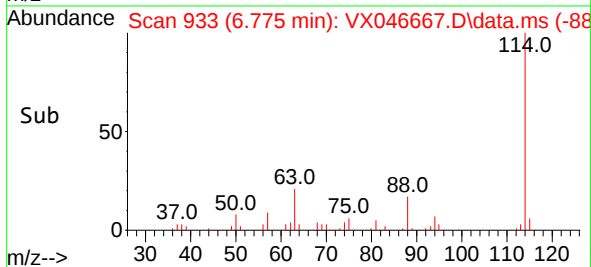
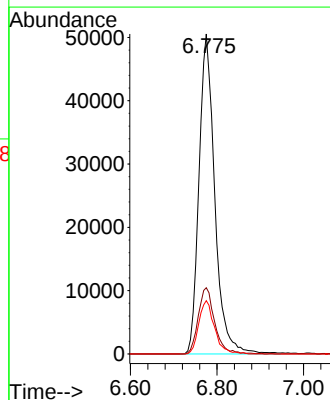
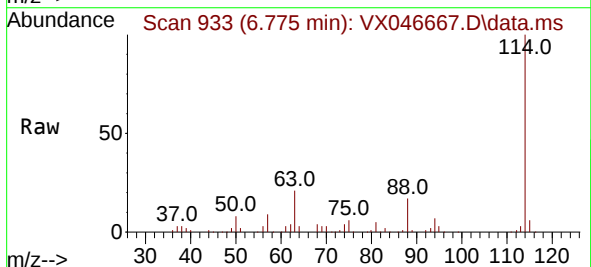
Tgt Ion: 114 Resp: 127742

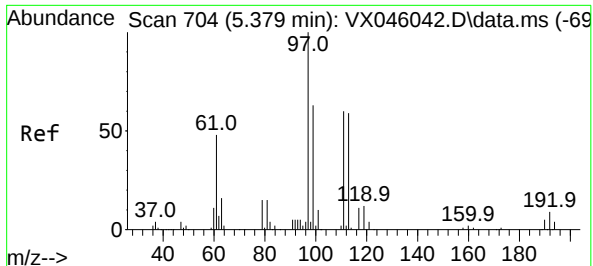
Ion Ratio Lower Upper

114 100

63 20.7 0.0 49.2

88 16.7 0.0 33.6

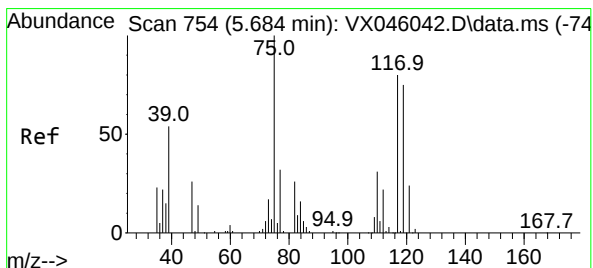
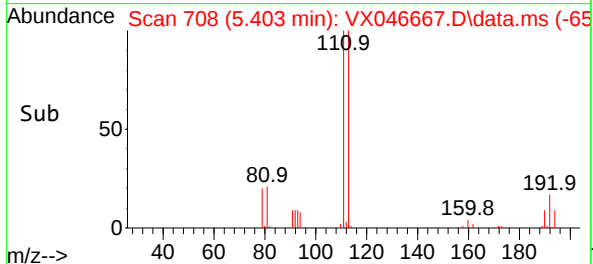
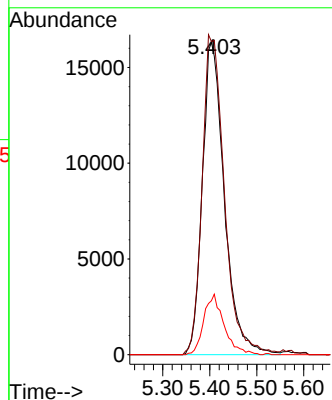
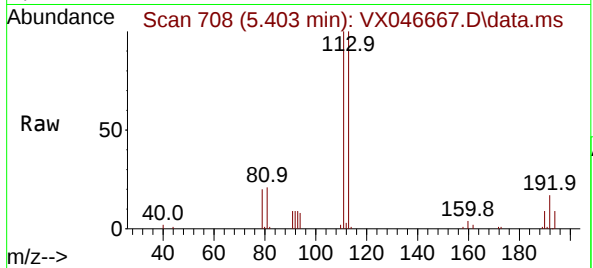




#35
Dibromofluoromethane
Concen: 56.579 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

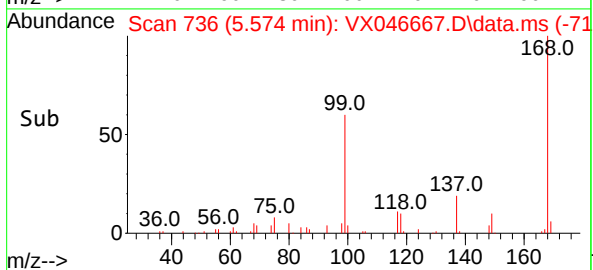
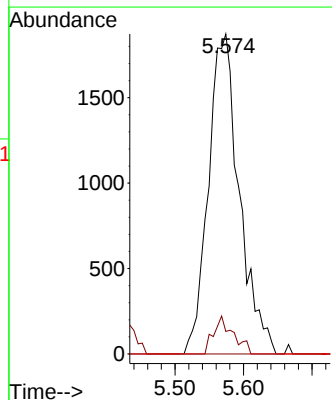
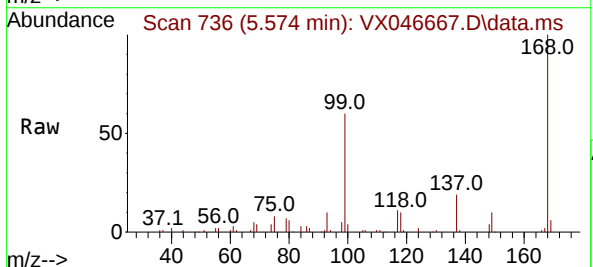
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

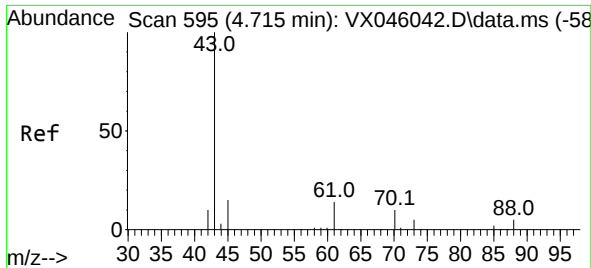
Tgt Ion:113 Resp: 53151
Ion Ratio Lower Upper
113 100
111 103.4 83.1 124.7
192 17.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.140 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 75 Resp: 5863
Ion Ratio Lower Upper
75 100
110 7.5 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 3.709 ug/l

RT: 4.769 min Scan# 604

Delta R.T. 0.036 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

EB01-060925

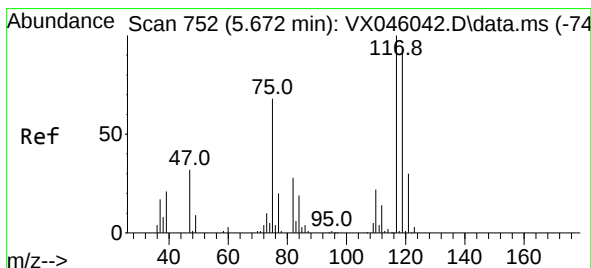
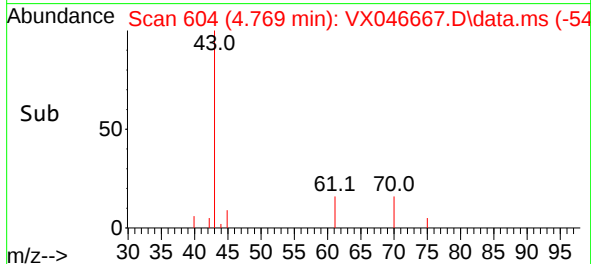
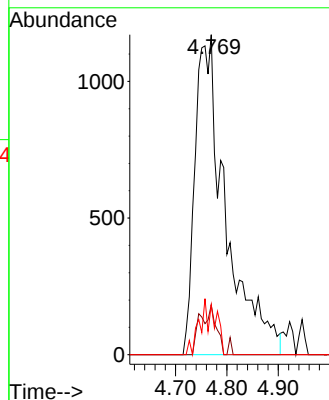
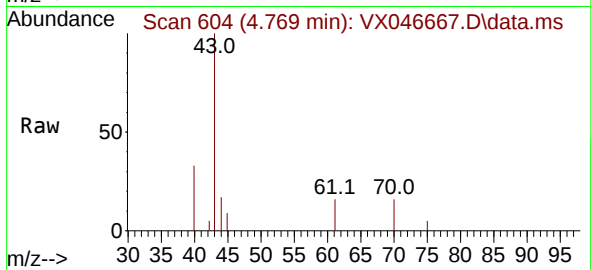
Tgt Ion: 43 Resp: 4857

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 4.943 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.128 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

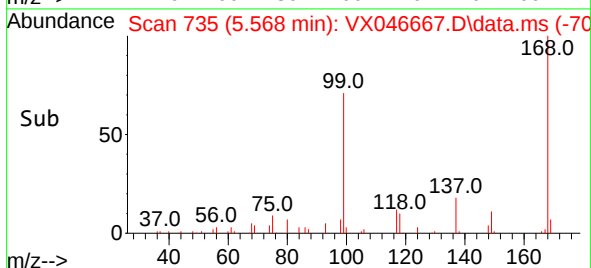
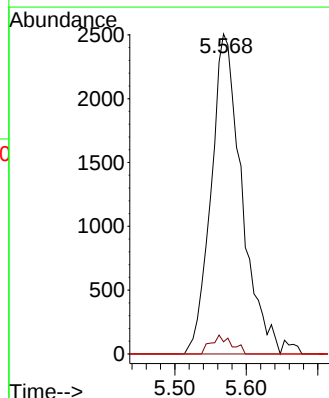
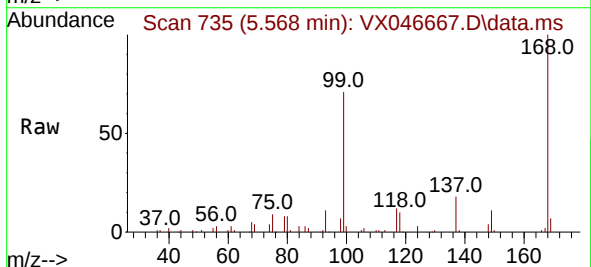
Tgt Ion: 117 Resp: 7430

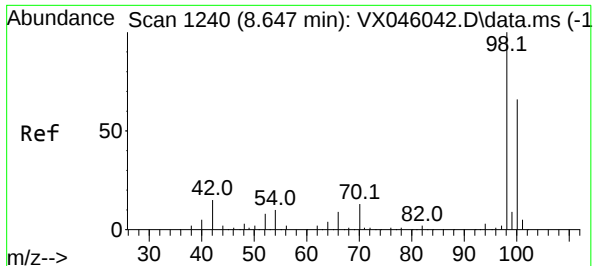
Ion Ratio Lower Upper

117 100

119 3.8 75.2 112.8#

121 0.0 24.2 36.4#

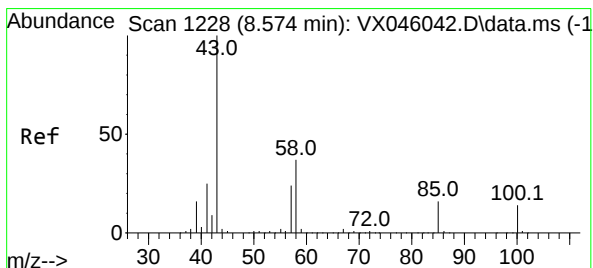
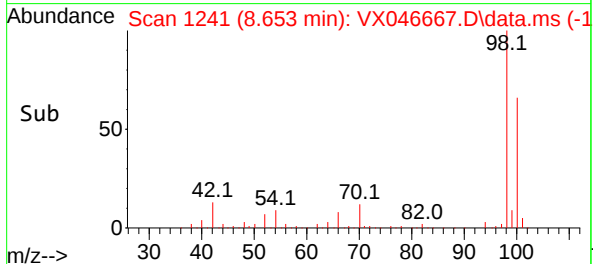
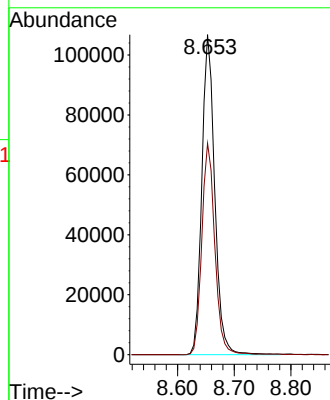
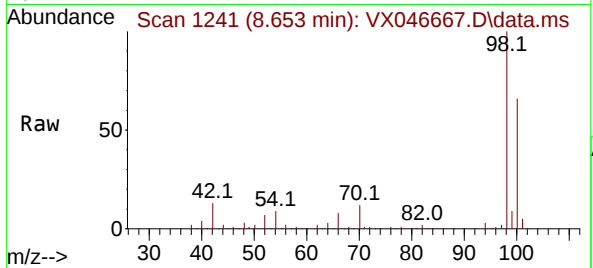




#50
Toluene-d8
Concen: 54.359 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

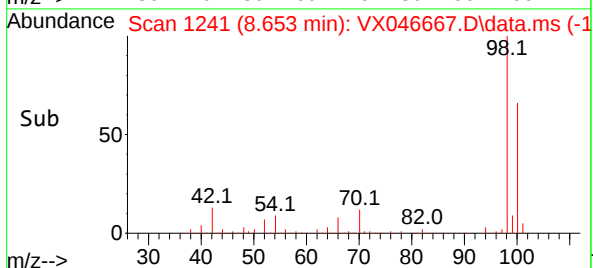
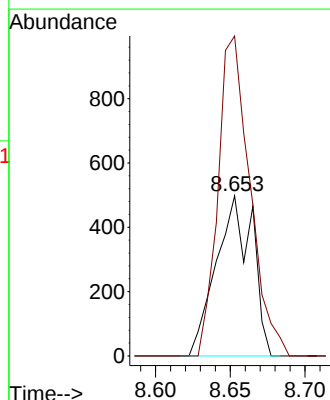
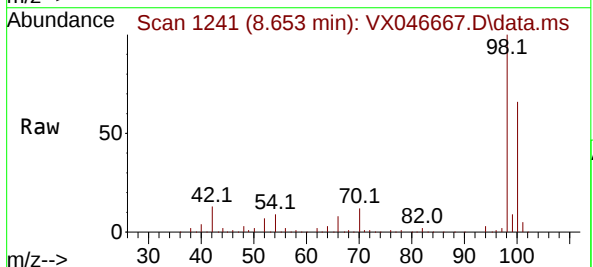
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

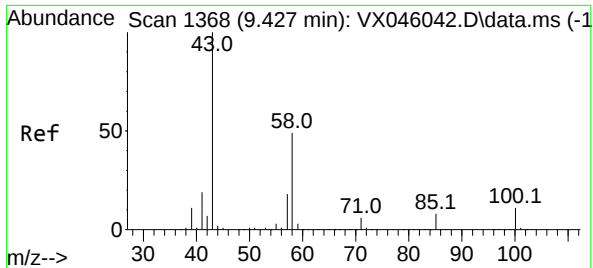
Tgt Ion: 98 Resp: 168357
Ion Ratio Lower Upper
98 100
100 66.8 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.578 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
58 176.4 28.9 43.3#

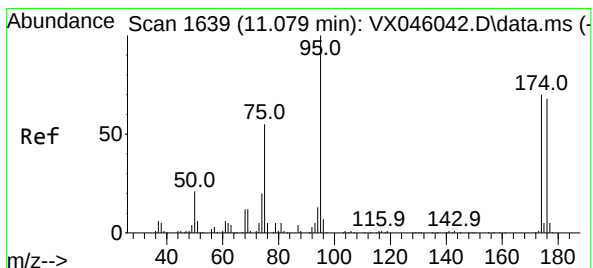
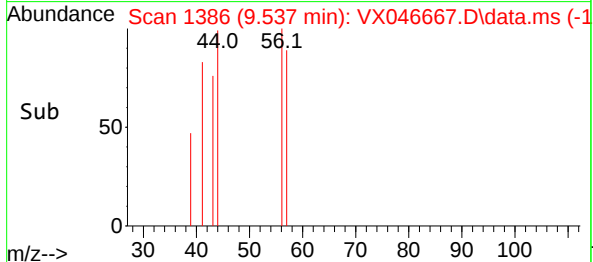
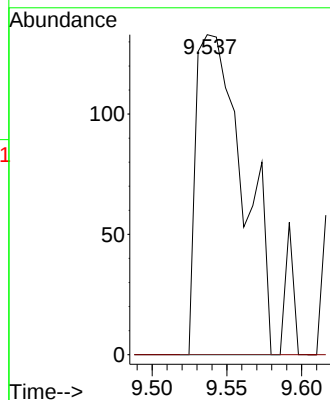
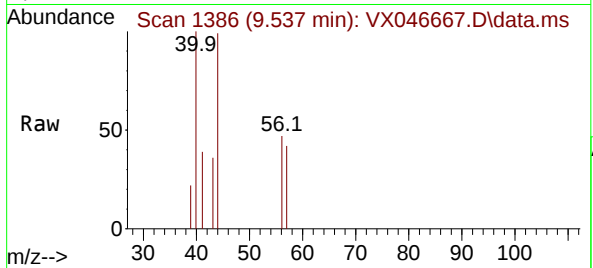




#59
2-Hexanone
Concen: 0.281 ug/l
RT: 9.537 min Scan# 1386
Delta R.T. 0.104 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

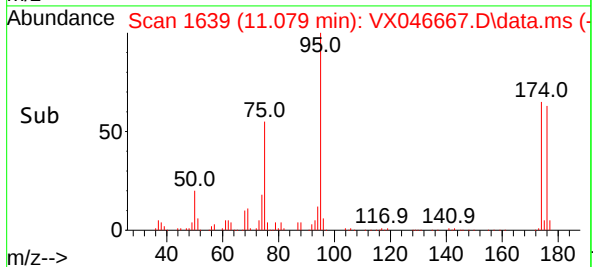
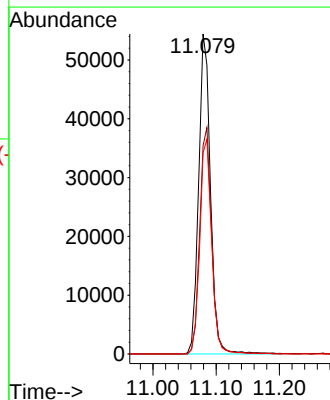
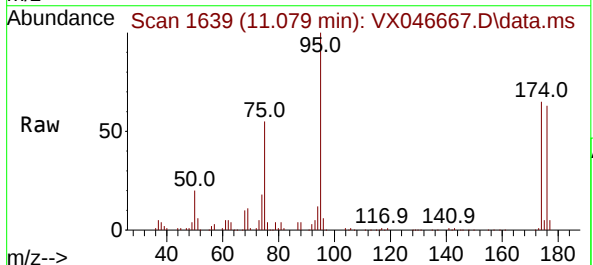
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

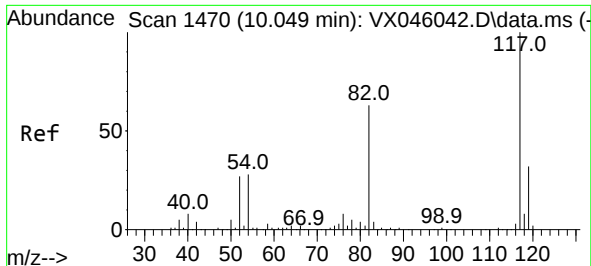
Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 55.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 95 Resp: 70746
Ion Ratio Lower Upper
95 100
174 71.4 0.0 135.8
176 67.8 0.0 131.4

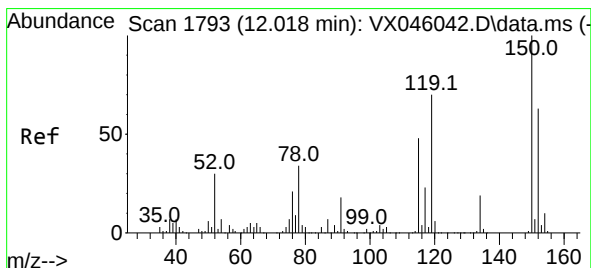
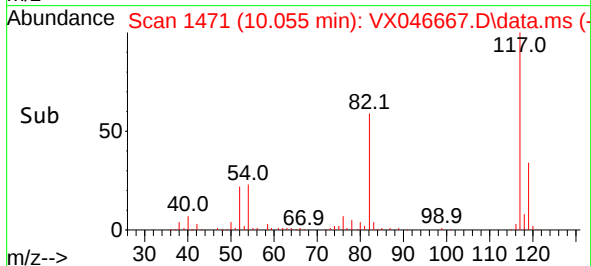
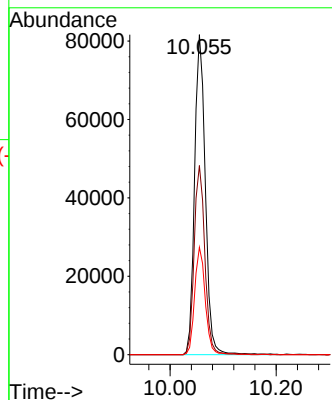
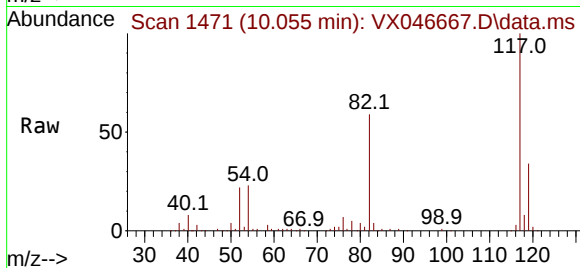




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

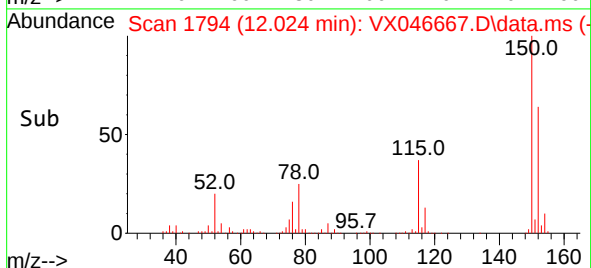
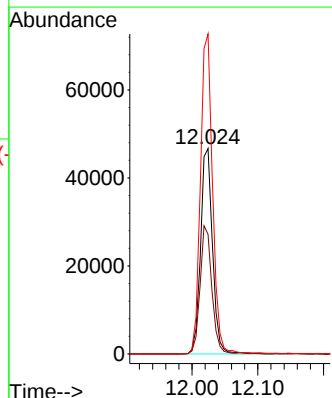
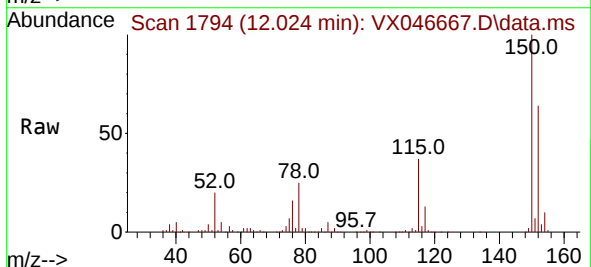
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

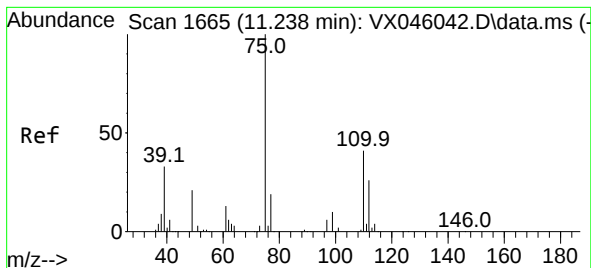
Tgt Ion:117 Resp: 114769
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 33.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion:152 Resp: 59204
Ion Ratio Lower Upper
152 100
115 61.1 46.9 140.7
150 157.1 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 29.808 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

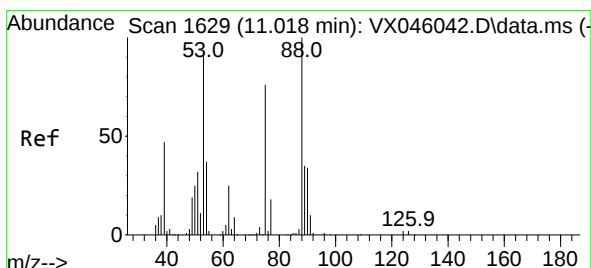
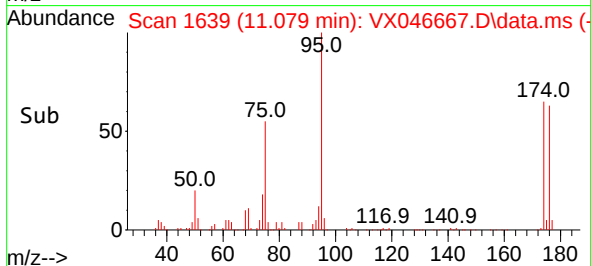
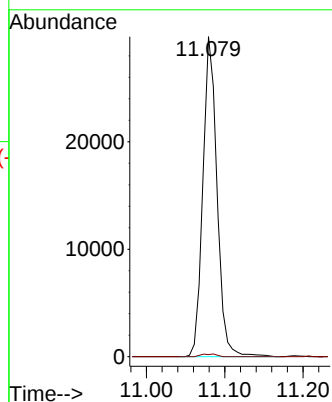
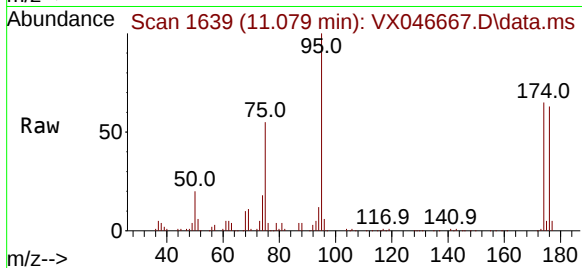
EB01-060925

Tgt Ion: 75 Resp: 37380

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.985 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

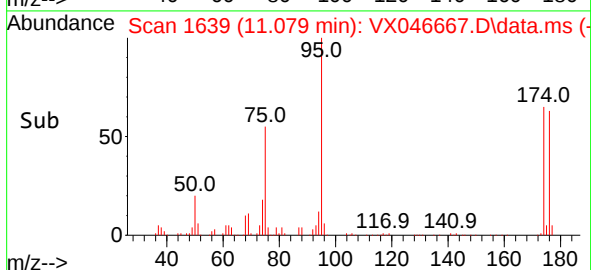
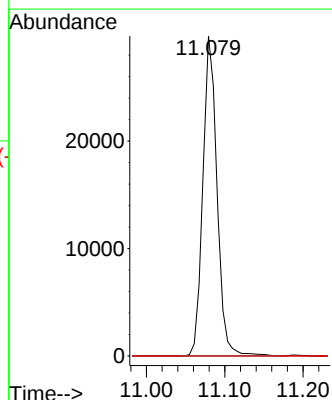
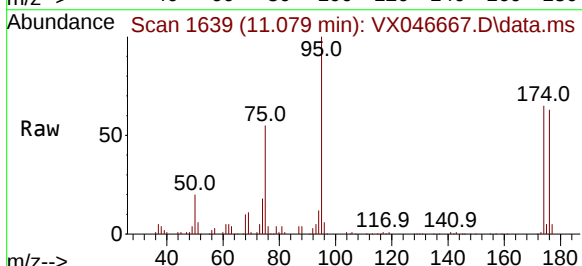
Tgt Ion: 75 Resp: 37380

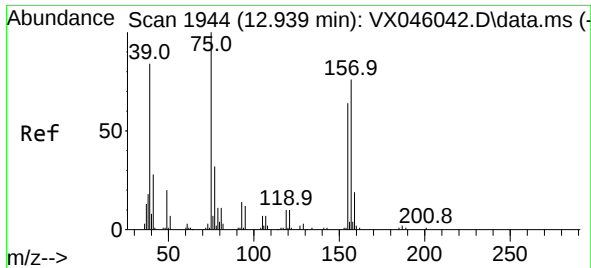
Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.779 ug/l
 RT: 12.762 min Scan# 1915
 Delta R.T. -0.177 min
 Lab File: VX046667.D
 Acq: 12 Jun 2025 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-060925

Tgt Ion: 75 Resp: 260
 Ion Ratio Lower Upper
 75 100
 155 17.7 34.9 104.8#
 157 0.0 43.8 131.4#

