

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046540.D
 Acq On : 06 Jun 2025 19:58
 Operator : JC/MD
 Sample : Q2208-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-07

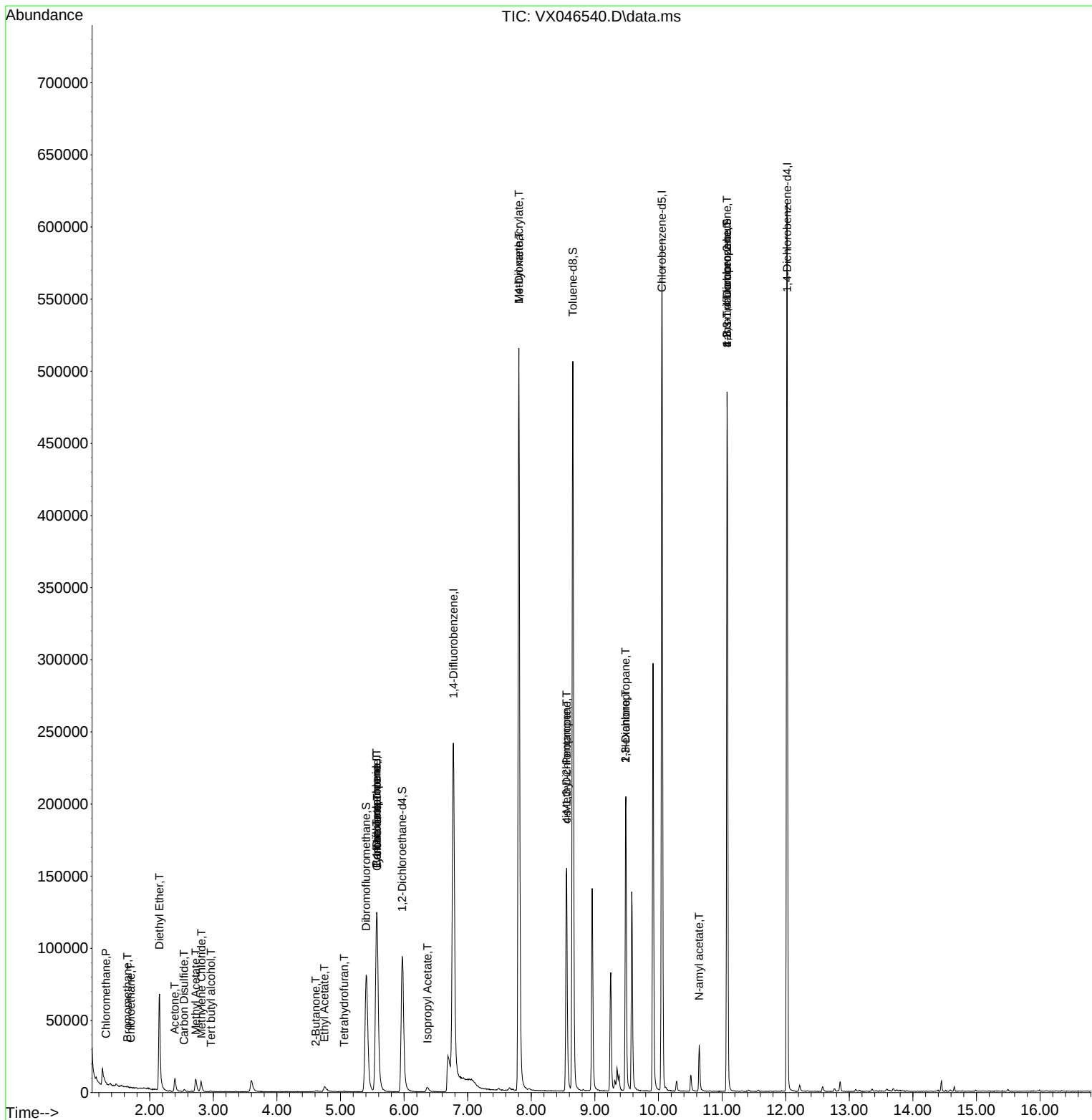
Quant Time: Jun 06 23:26:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	116710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	229793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	102909	49.561	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.120%		
35) Dibromofluoromethane	5.403	113	75846	44.882	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.760%		
50) Toluene-d8	8.653	98	290998	52.231	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.460%		
62) 4-Bromofluorobenzene	11.079	95	131503	57.048	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	114.100%		
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	348	0.236	ug/l #	43
5) Bromomethane	1.648	94	192	0.215	ug/l	95
6) Chloroethane	1.703	64	329	0.345	ug/l	90
8) Diethyl Ether	2.154	74	25297	29.434	ug/l	96
11) Tert butyl alcohol	2.965	59	69	0.299	ug/l #	72
16) Acetone	2.392	43	11958	18.991	ug/l	100
17) Carbon Disulfide	2.538	76	267	0.293	ug/l #	76
18) Methyl Acetate	2.721	43	12640	5.111	ug/l	100
20) Methylene Chloride	2.812	84	2898	1.740	ug/l #	83
25) 2-Butanone	4.611	43	790	0.683	ug/l #	78
29) Tetrahydrofuran	5.056	42	232	0.318	ug/l #	35
31) Cyclohexane	5.574	56	3031	1.256	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10872	4.504	ug/l #	51
37) Ethyl Acetate	4.745	43	6595	2.799	ug/l #	89
38) Carbon Tetrachloride	5.568	117	14163	5.238	ug/l #	17
43) Isopropyl Acetate	6.367	43	5385	1.311	ug/l #	96
48) Methyl methacrylate	7.805	41	49231	23.297	ug/l #	48
49) 1,4-Dioxane	7.805	88	53	1.875	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60076	23.018	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	24685	9.126	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1957	0.661	ug/l #	42
59) 2-Hexanone	9.482	43	27753	14.827	ug/l #	55
74) N-amyl acetate	10.640	43	9138	2.164	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	71704	27.753	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	71704	80.057	ug/l #	1

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

Quant Time: Jun 06 23:26:43 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

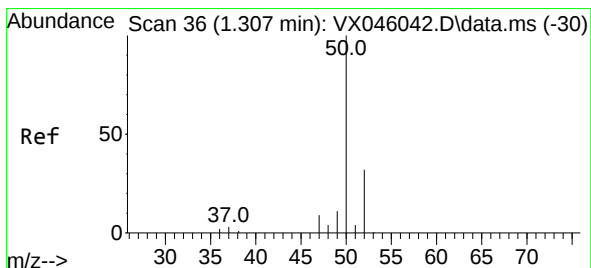
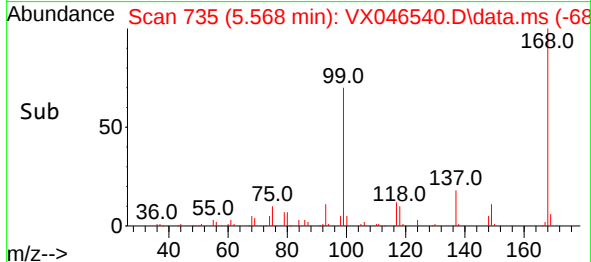
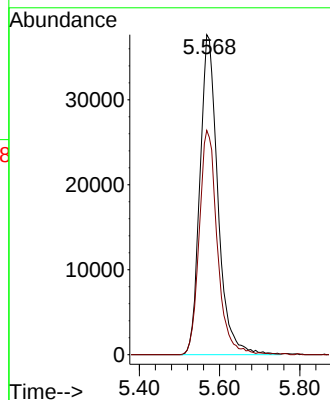
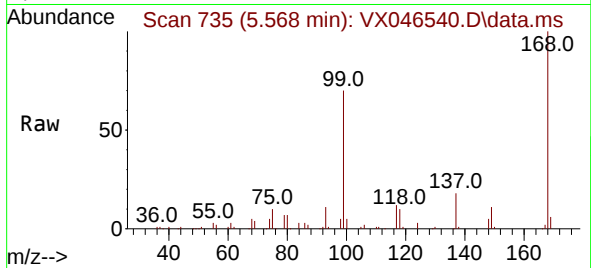




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

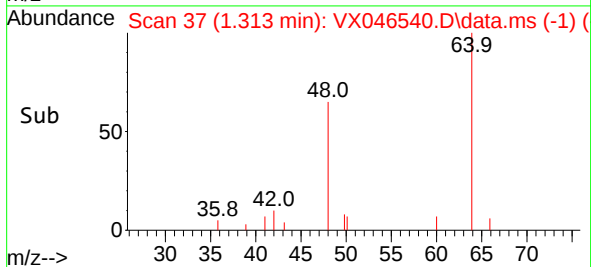
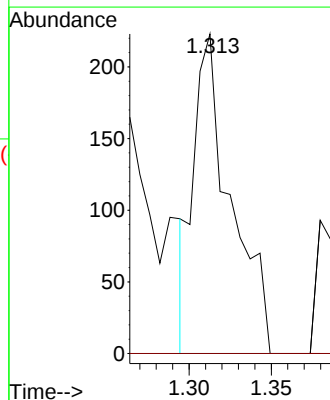
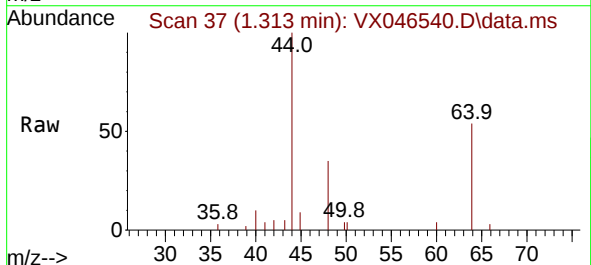
Instrument :
MSVOA_X
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BU-703-COMP-07

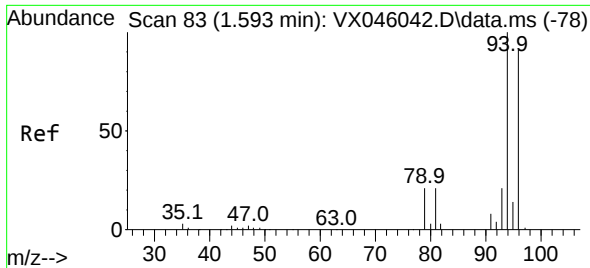
Tgt Ion:168 Resp: 116710
Ion Ratio Lower Upper
168 100
99 70.1 54.9 82.3



#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 50 Resp: 348
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

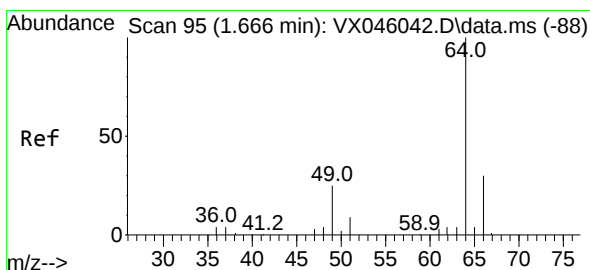
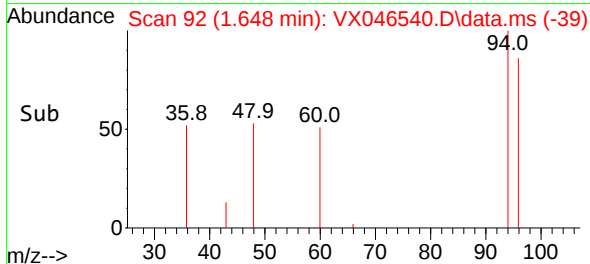
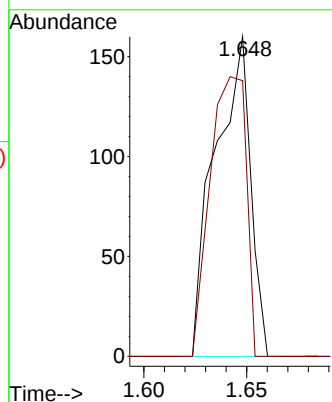
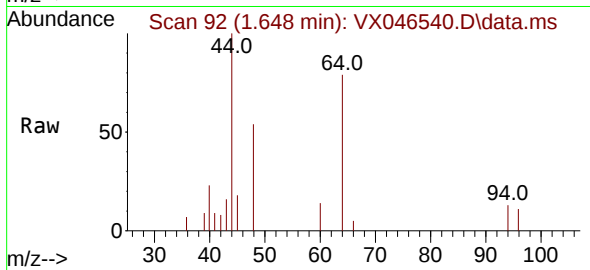




#5
Bromomethane
Concen: 0.215 ug/l
RT: 1.648 min Scan# 91
Delta R.T. 0.024 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

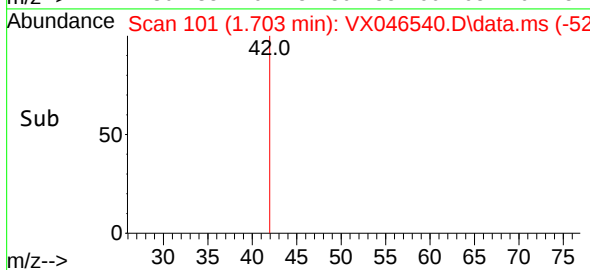
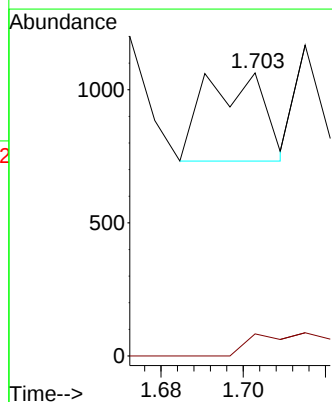
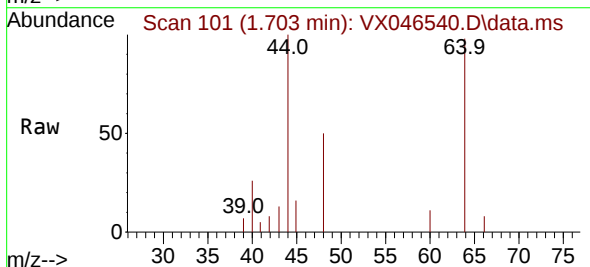
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ClientSampleId :
BU-703-COMP-07

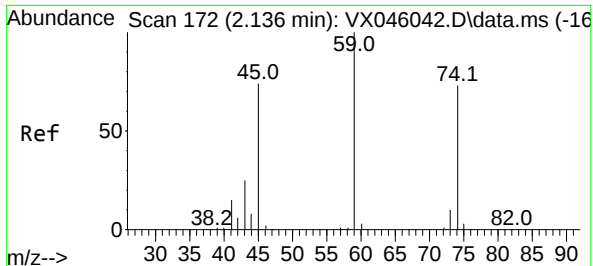
Tgt Ion: 94 Resp: 192
Ion Ratio Lower Upper
94 100
96 86.3 72.8 109.2



#6
Chloroethane
Concen: 0.345 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 64 Resp: 329
Ion Ratio Lower Upper
64 100
66 25.1 24.3 36.5





#8

Diethyl Ether

Concen: 29.434 ug/l

RT: 2.154 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046540.D

Acq: 06 Jun 2025 19:58

Instrument :

MSVOA_X

ClientSampleId :

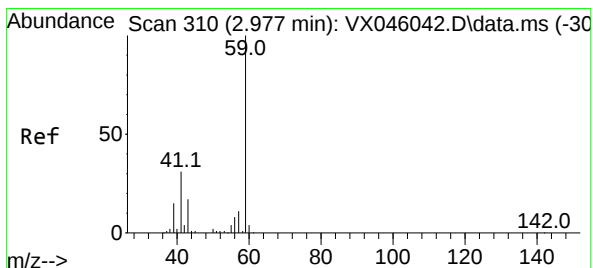
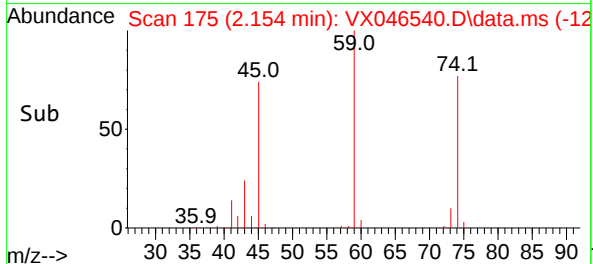
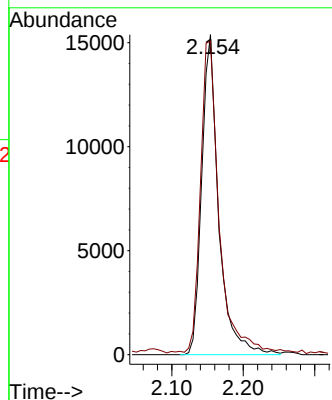
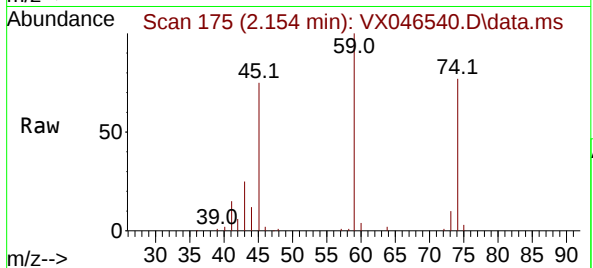
BU-703-COMP-07

Tgt Ion: 74 Resp: 25297

Ion Ratio Lower Upper

74 100

45 105.9 54.9 164.8



#11

Tert butyl alcohol

Concen: 0.299 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.006 min

Lab File: VX046540.D

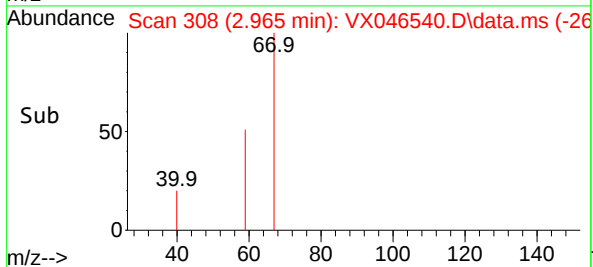
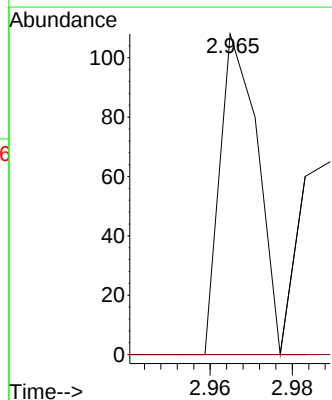
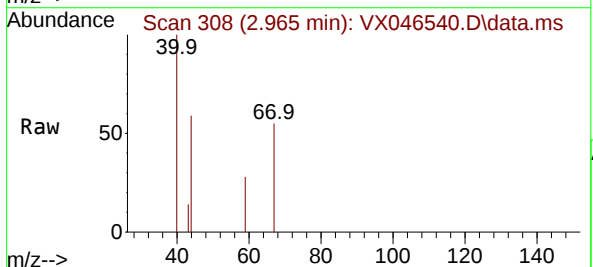
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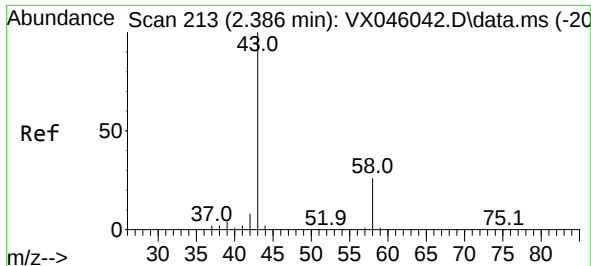
Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

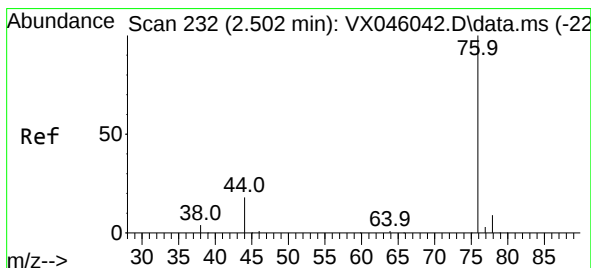
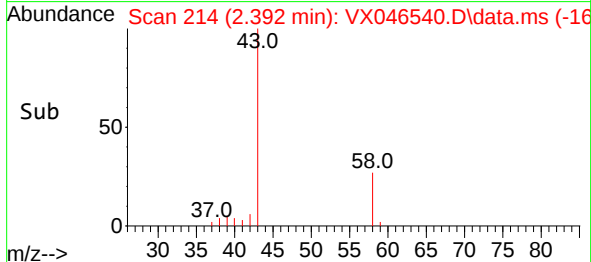
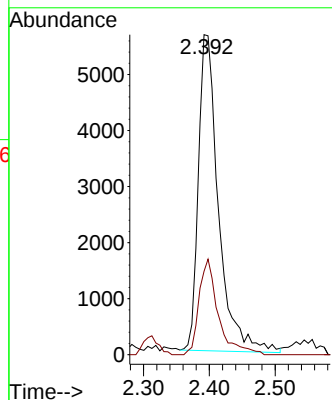
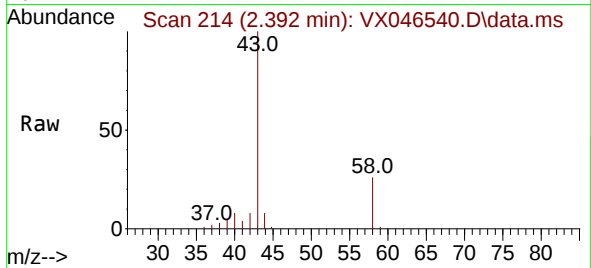




#16
Acetone
Concen: 18.991 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

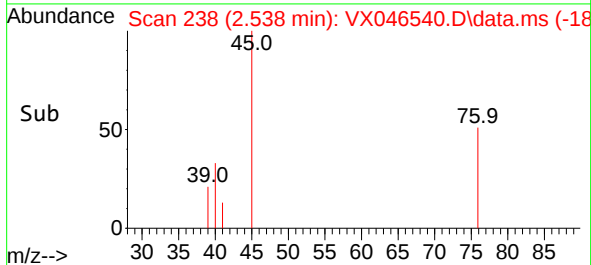
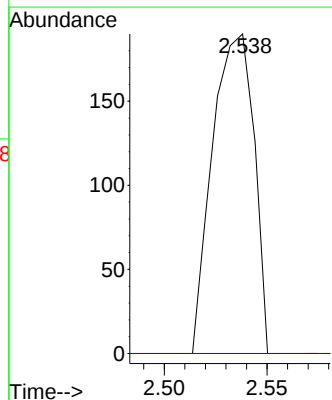
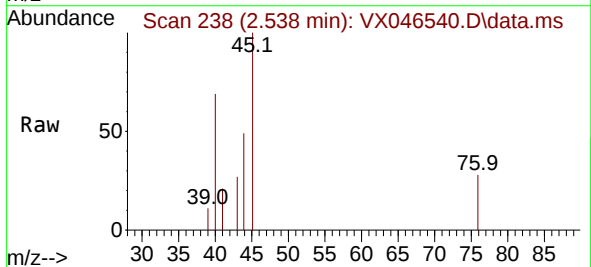
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-07

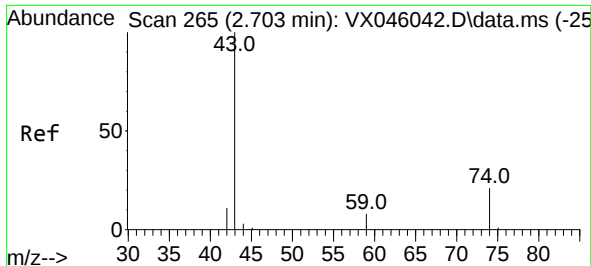
Tgt Ion: 43 Resp: 11958
Ion Ratio Lower Upper
43 100
58 26.4 21.2 31.8



#17
Carbon Disulfide
Concen: 0.293 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 76 Resp: 267
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

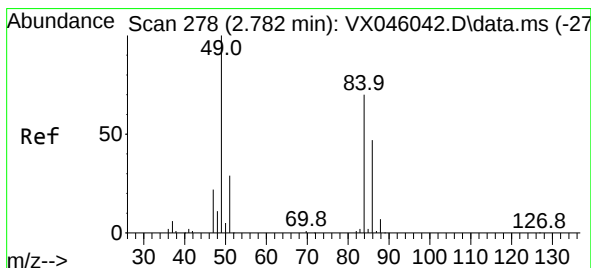
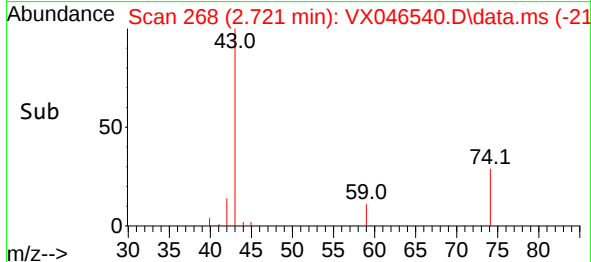
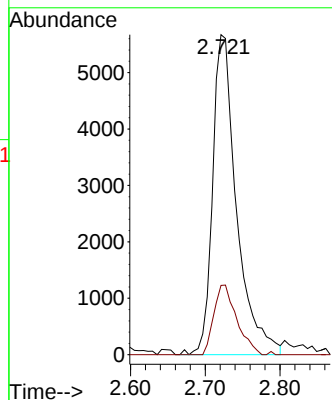
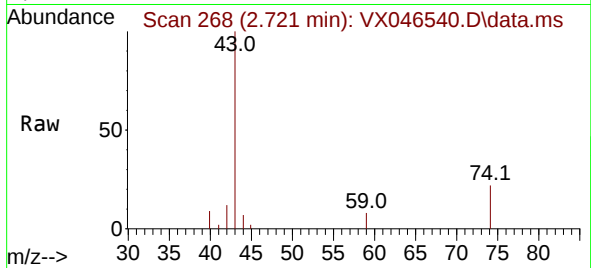




#18
Methyl Acetate
Concen: 5.111 ug/l
RT: 2.721 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

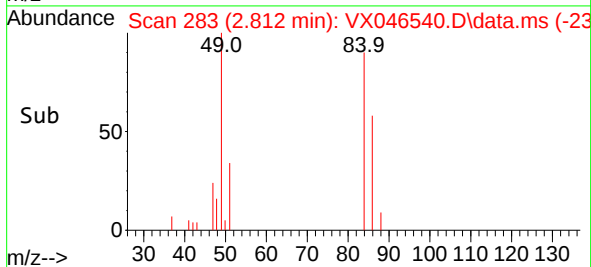
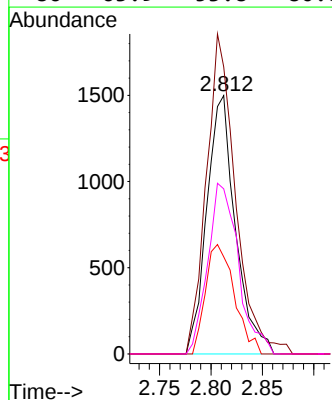
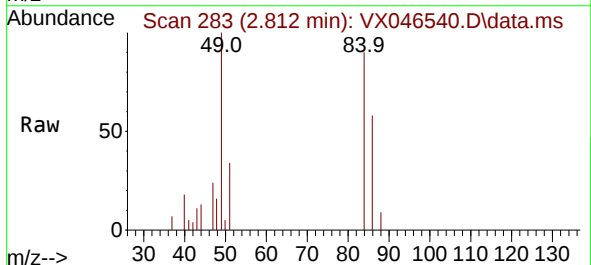
Instrument :
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ClientSampleId :
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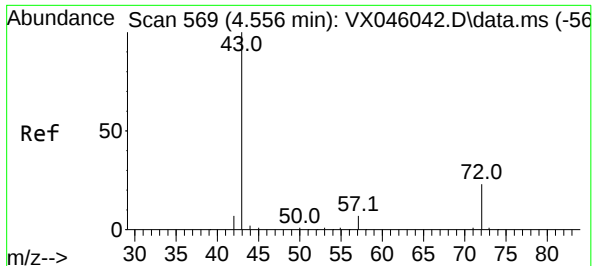
Tgt Ion: 43 Resp: 12640
Ion Ratio Lower Upper
43 100
74 20.7 16.7 25.1



#20
Methylene Chloride
Concen: 1.740 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 84 Resp: 2898
Ion Ratio Lower Upper
84 100
49 111.1 113.9 170.9#
51 37.6 33.5 50.3
86 63.9 53.8 80.8

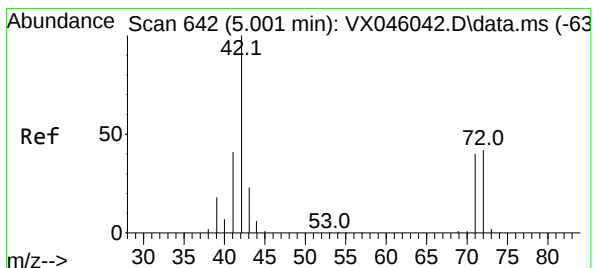
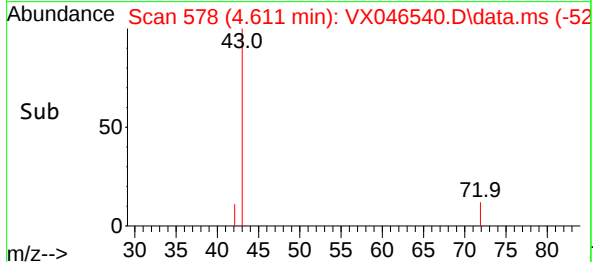
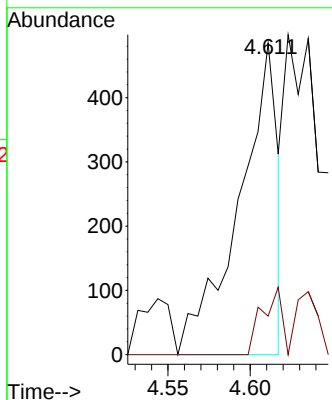
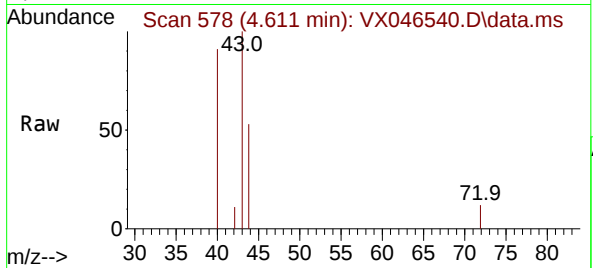




#25
2-Butanone
Concen: 0.683 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

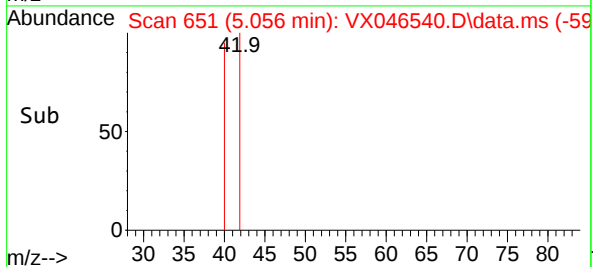
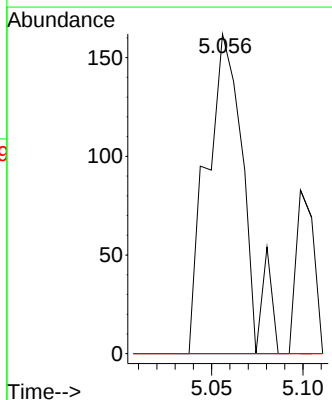
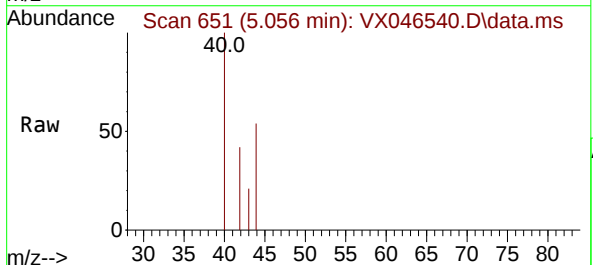
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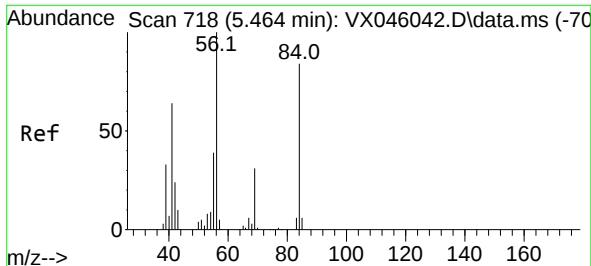
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
72 12.4 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.318 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.037 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 42 Resp: 232
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#

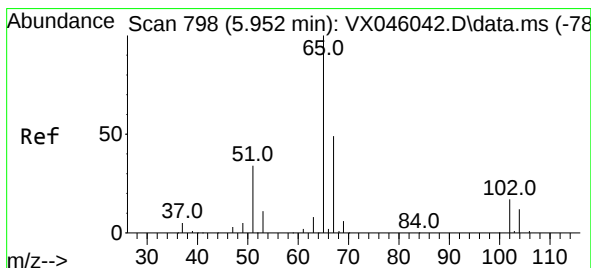
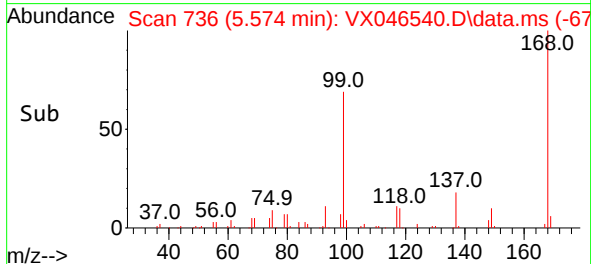
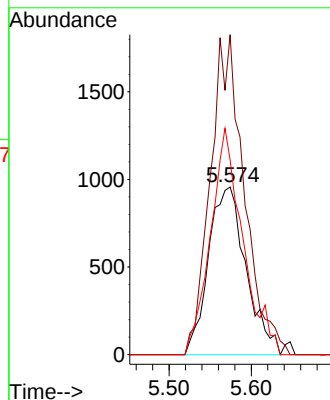
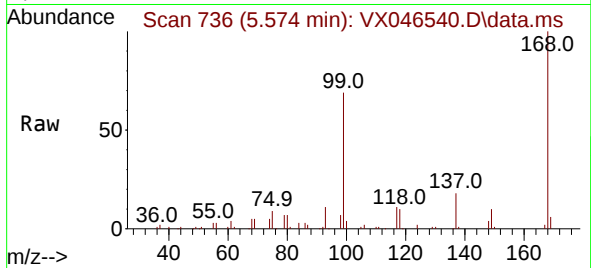




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.574 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

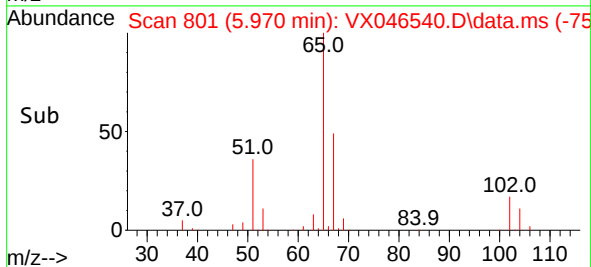
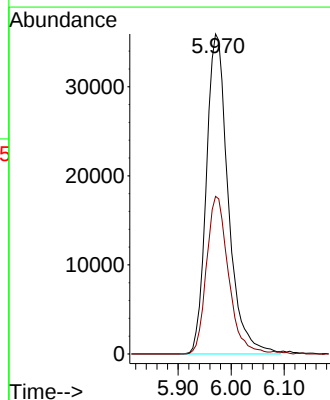
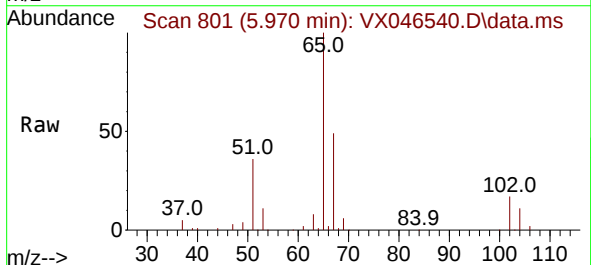
Instrument :
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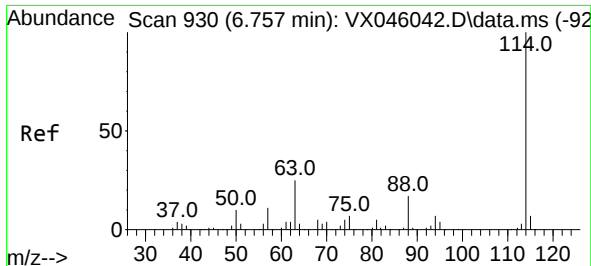
Tgt Ion: 56 Resp: 3031
Ion Ratio Lower Upper
56 100
69 190.8 24.4 36.6#
84 116.1 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 49.561 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 65 Resp: 102909
Ion Ratio Lower Upper
65 100
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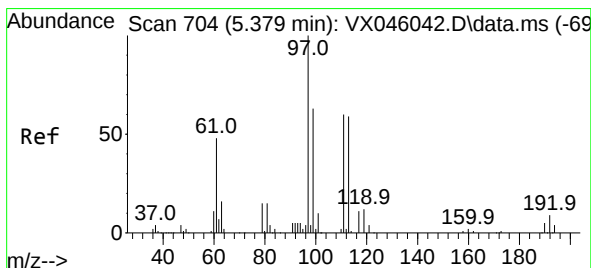
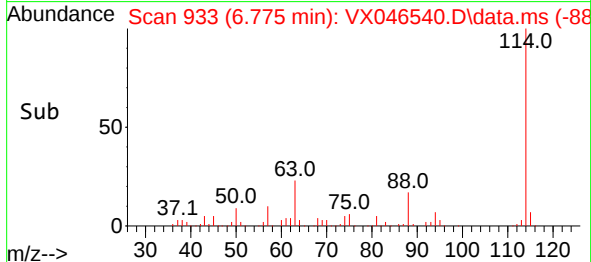
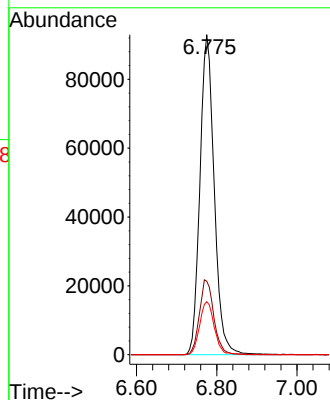
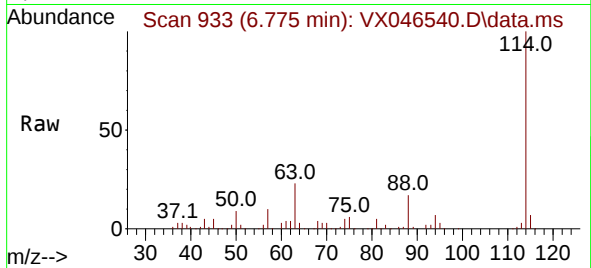




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

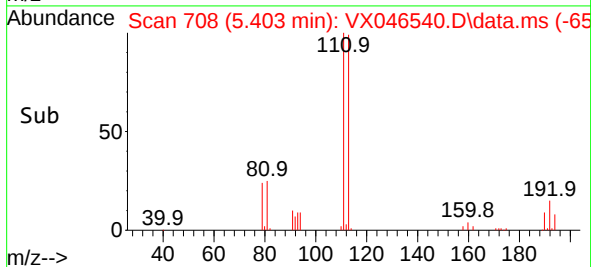
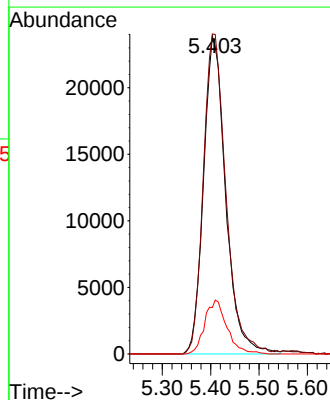
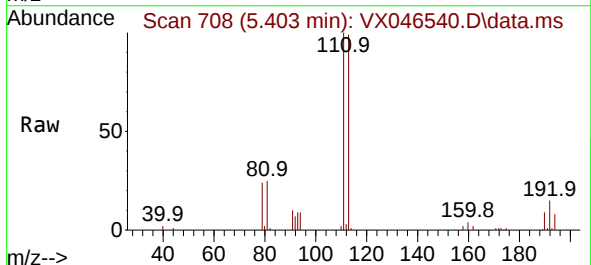
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-07

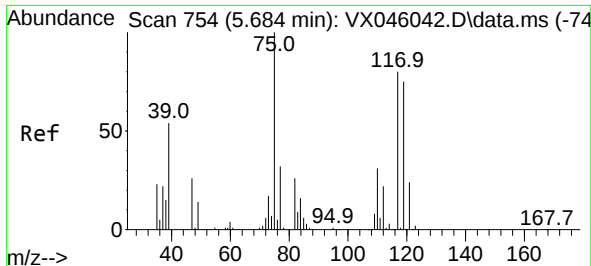
Tgt Ion:114 Resp: 229793
Ion Ratio Lower Upper
114 100
63 22.9 0.0 49.2
88 16.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 44.882 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion:113 Resp: 75846
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 17.0 13.3 19.9

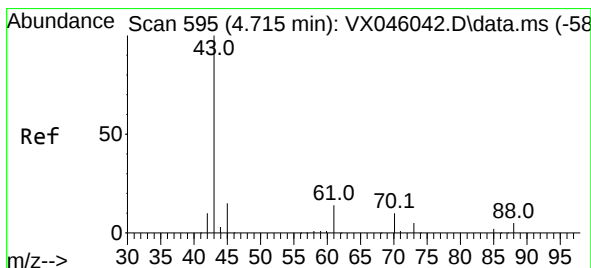
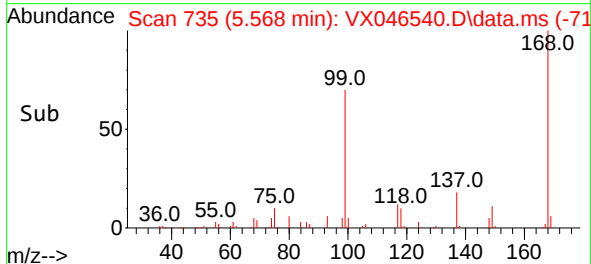
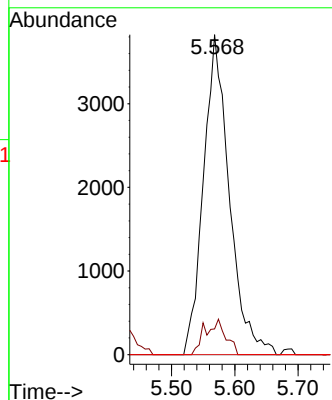
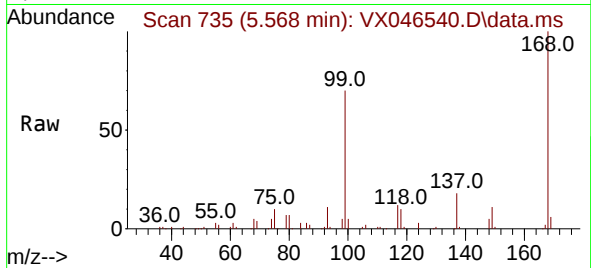




#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

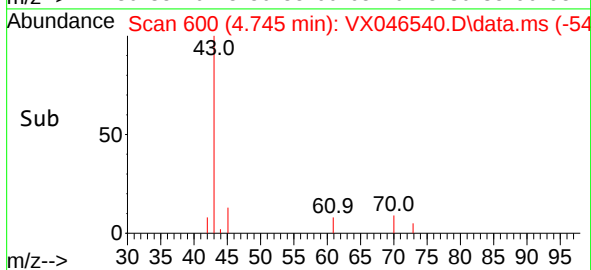
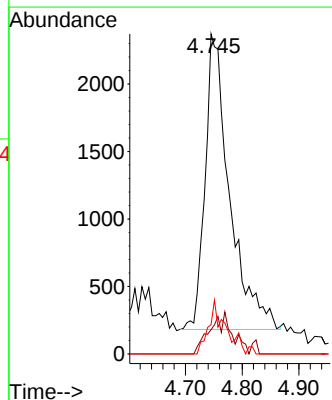
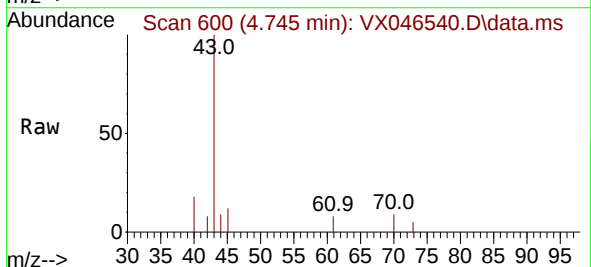
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-07

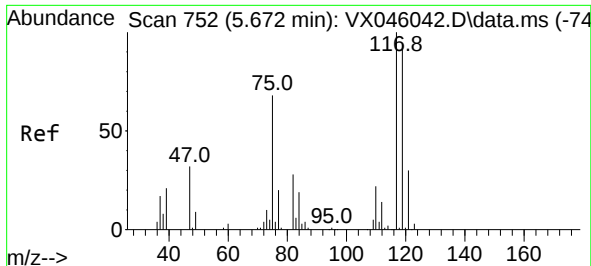
Tgt Ion: 75 Resp: 10872
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.799 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

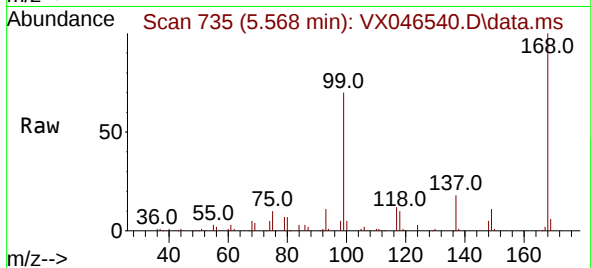
Tgt Ion: 43 Resp: 6595
Ion Ratio Lower Upper
43 100
61 7.1 10.3 15.5#
70 12.6 7.9 11.9#



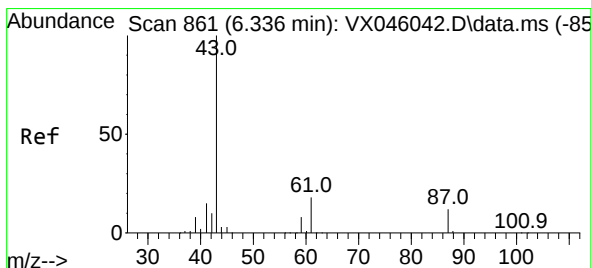
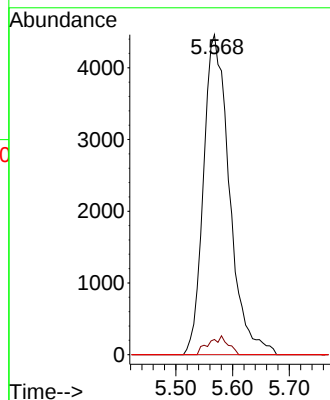
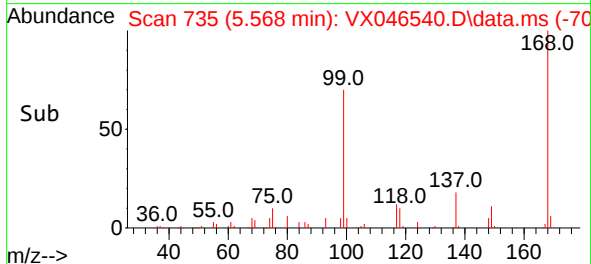


#38
Carbon Tetrachloride
Concen: 5.238 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-07

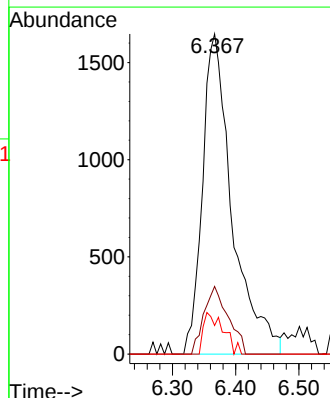
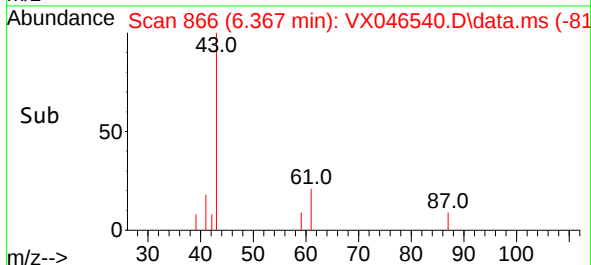
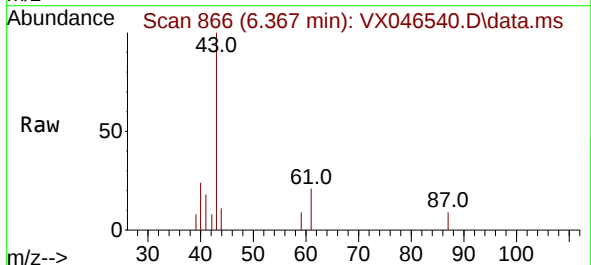


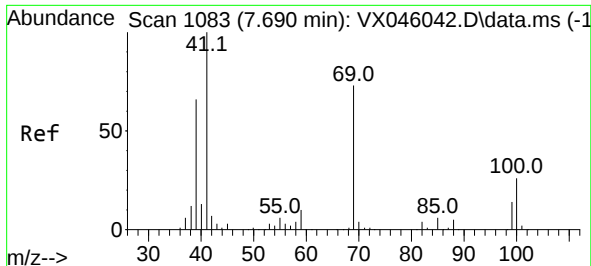
Tgt Ion:117 Resp: 14163
Ion Ratio Lower Upper
117 100
119 4.8 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.311 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.013 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 43 Resp: 5385
Ion Ratio Lower Upper
43 100
61 17.3 14.3 21.5
87 8.7 9.5 14.3#

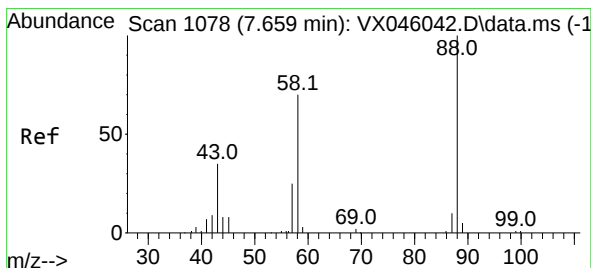
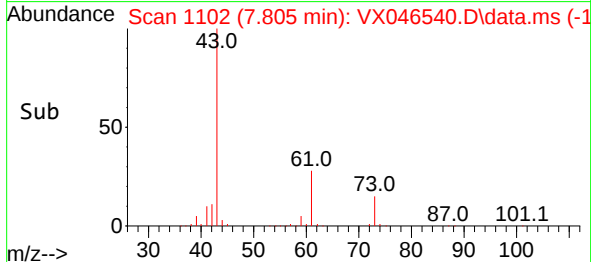
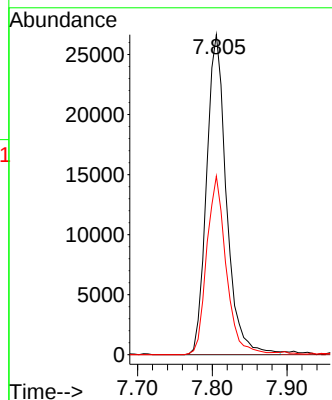
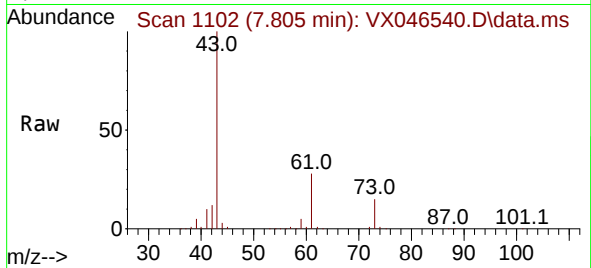




#48
Methyl methacrylate
Concen: 23.297 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

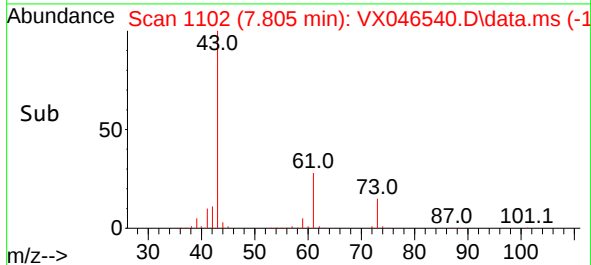
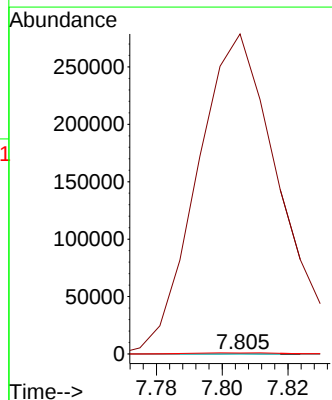
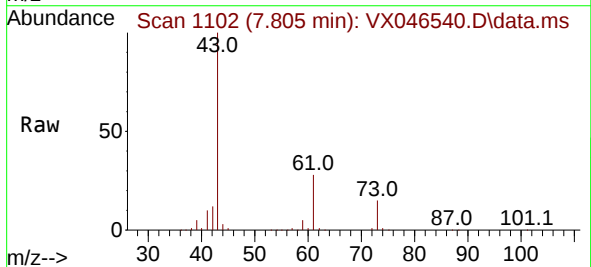
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-07

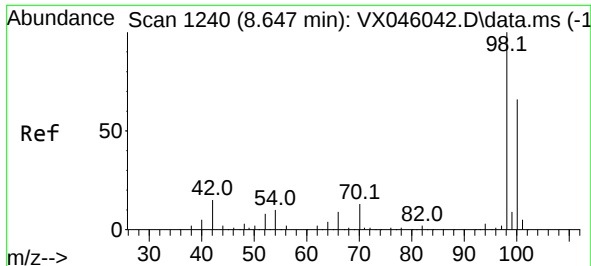
Tgt Ion: 41 Resp: 49231
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.7 51.7 77.5



#49
1,4-Dioxane
Concen: 1.875 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 949686.8 33.4 50.2#
58 3945.3 58.6 88.0#

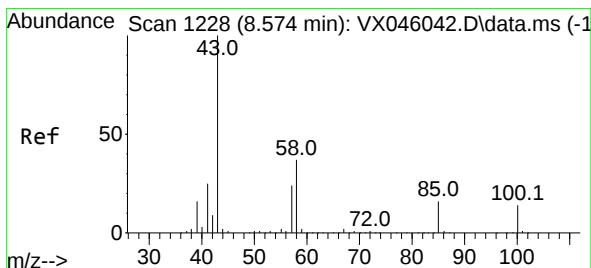
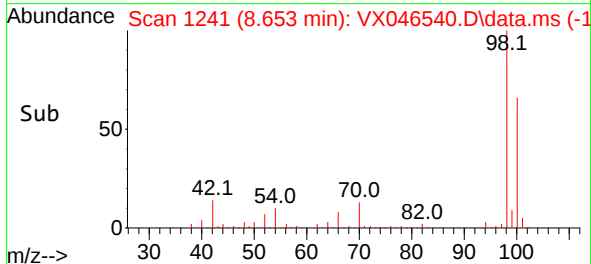
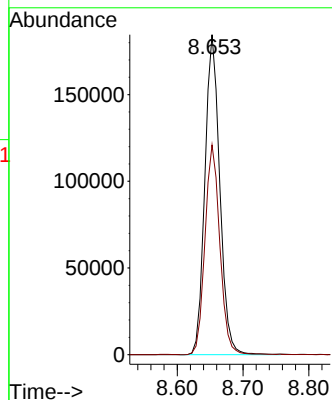
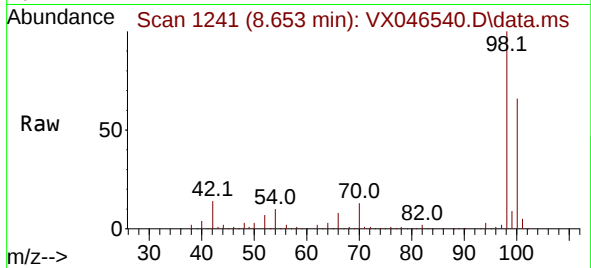




#50
Toluene-d8
Concen: 52.231 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

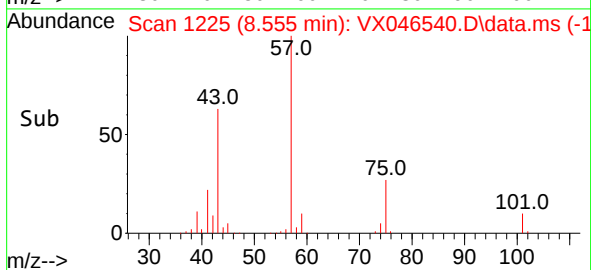
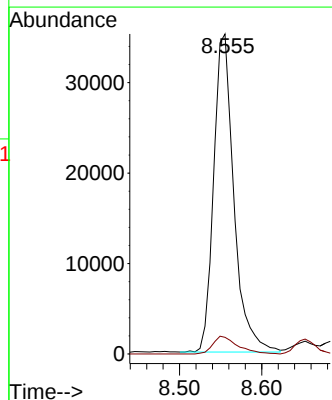
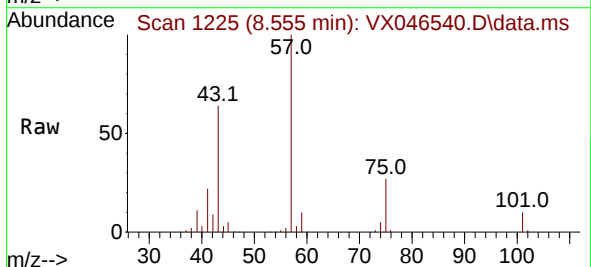
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-07

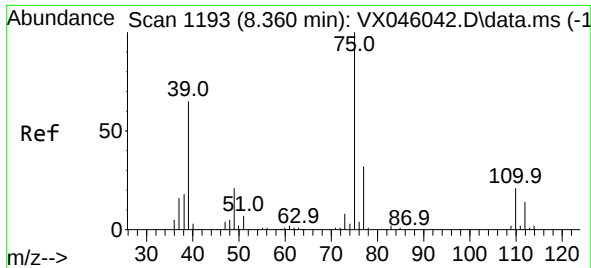
Tgt Ion: 98 Resp: 290998
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 23.018 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.018 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 43 Resp: 60076
Ion Ratio Lower Upper
43 100
58 6.8 28.9 43.3#

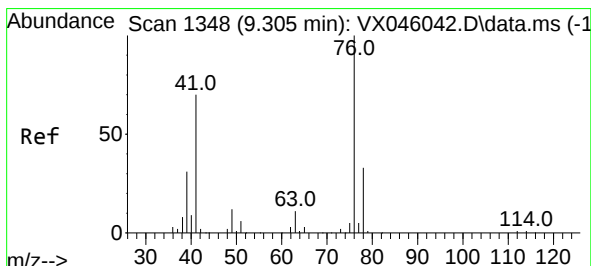
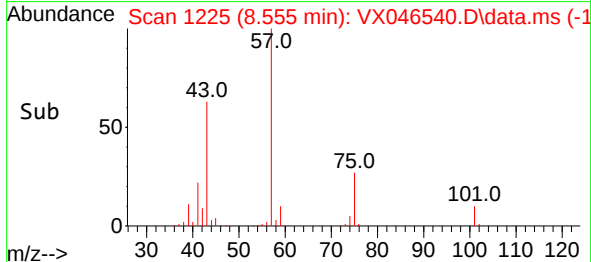
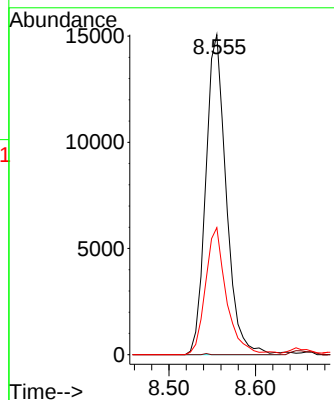
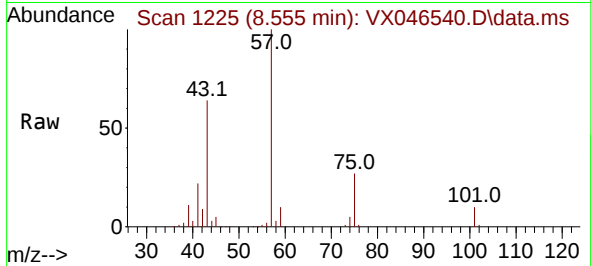




#54
 cis-1,3-Dichloropropene
 Concen: 9.126 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046540.D
 Acq: 06 Jun 2025 19:58

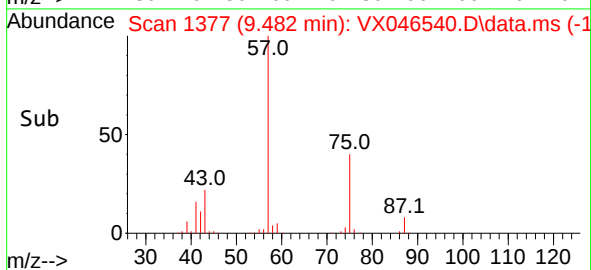
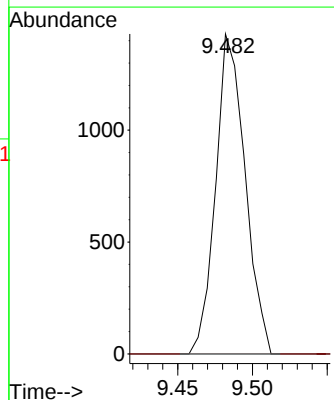
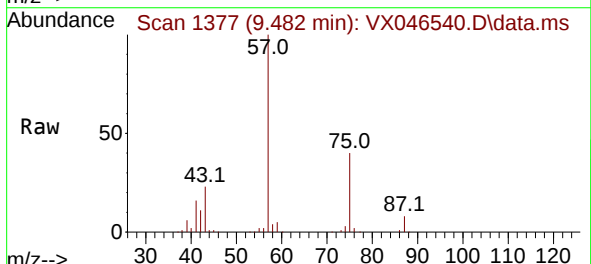
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-07

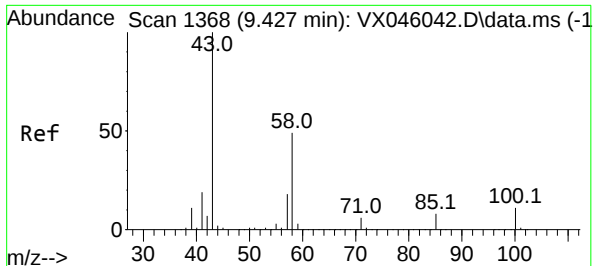
Tgt Ion: 75 Resp: 24685
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 39.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.661 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046540.D
 Acq: 06 Jun 2025 19:58

Tgt Ion: 76 Resp: 1957
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

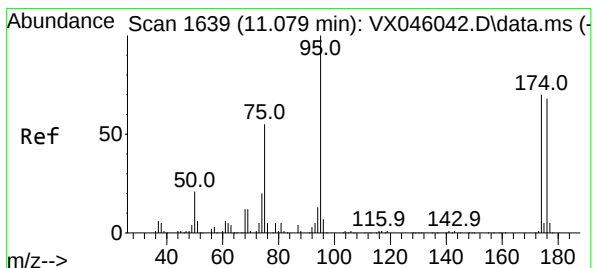
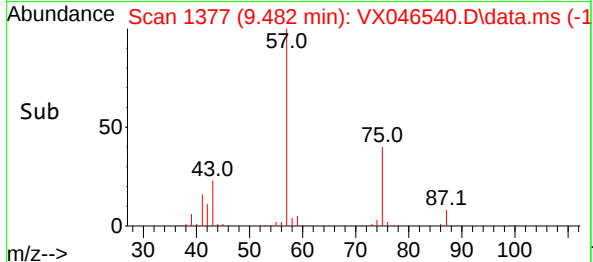
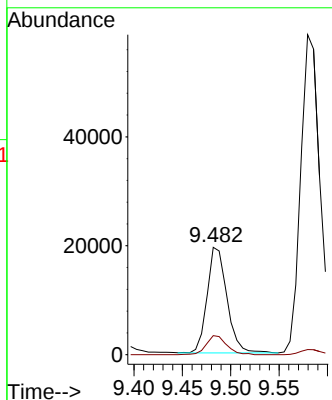
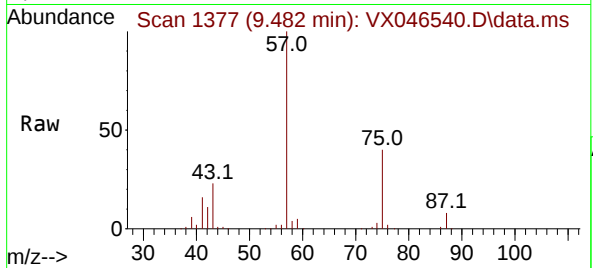




#59
2-Hexanone
Concen: 14.827 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

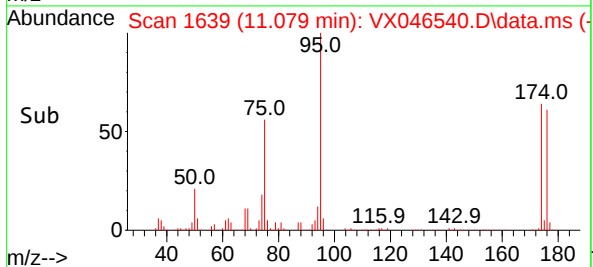
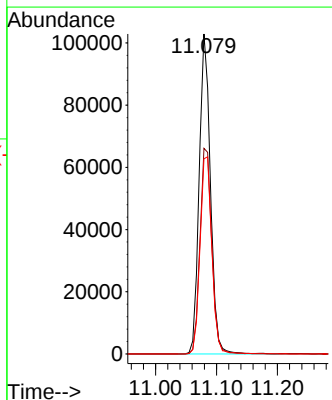
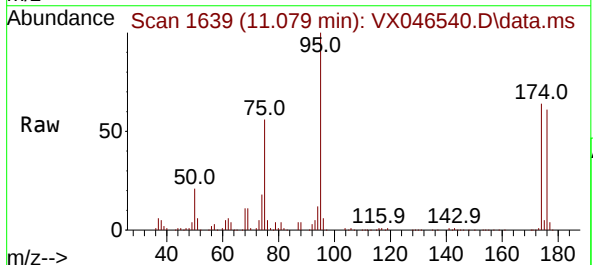
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-07

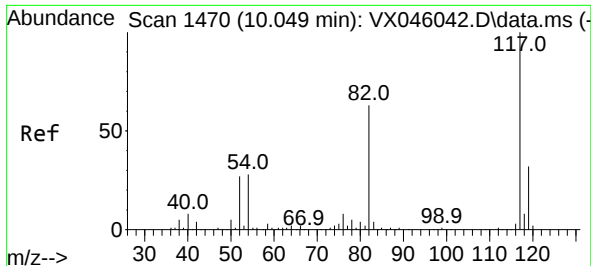
Tgt Ion: 43 Resp: 27753
Ion Ratio Lower Upper
43 100
58 18.5 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 57.048 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion: 95 Resp: 131503
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.8
176 64.8 0.0 131.4

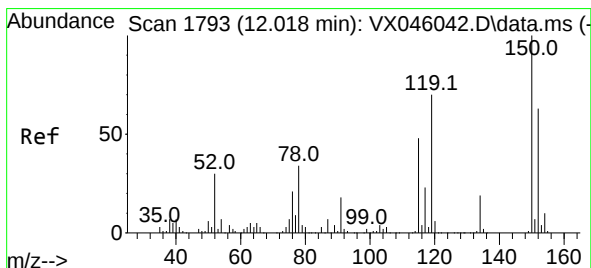
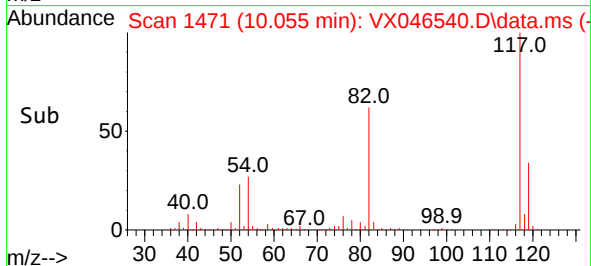
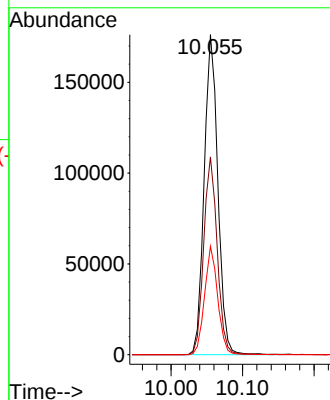
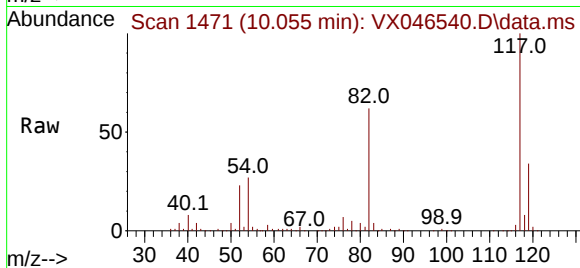




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

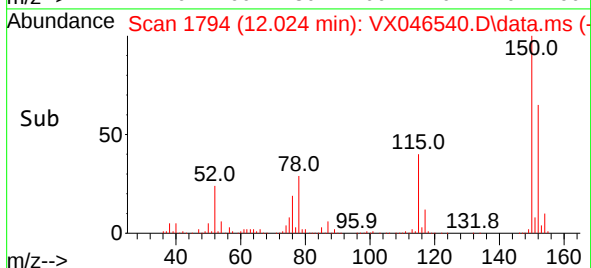
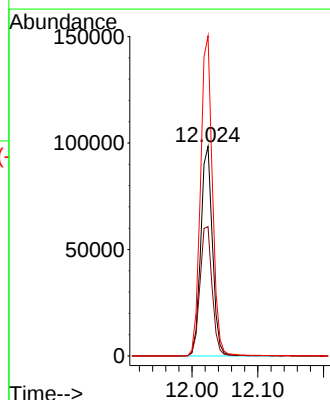
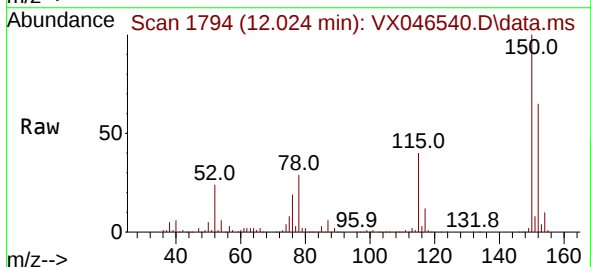
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-07

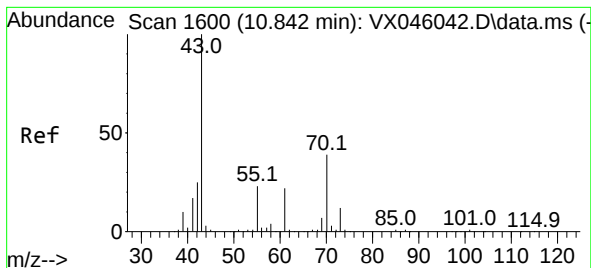
Tgt Ion:117 Resp: 234521
Ion Ratio Lower Upper
117 100
82 61.8 50.6 76.0
119 33.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046540.D
Acq: 06 Jun 2025 19:58

Tgt Ion:152 Resp: 121977
Ion Ratio Lower Upper
152 100
115 64.5 46.9 140.7
150 155.4 0.0 351.0





#74

N-amy1 acetate

Concen: 2.164 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX046540.D

Acq: 06 Jun 2025 19:58

Instrument :

MSVOA_X

ClientSampleId :

BU-703-COMP-07

Tgt Ion: 43 Resp: 9138

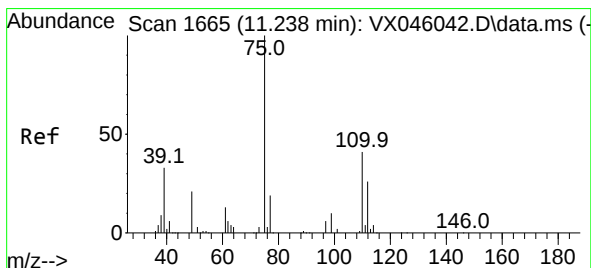
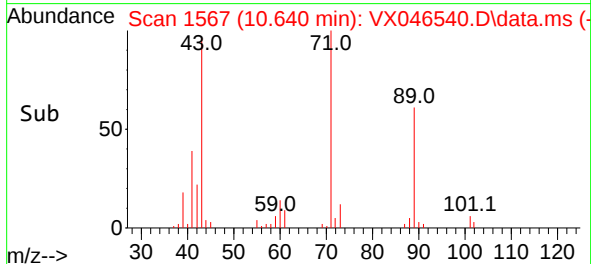
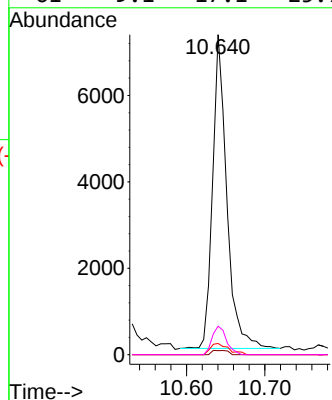
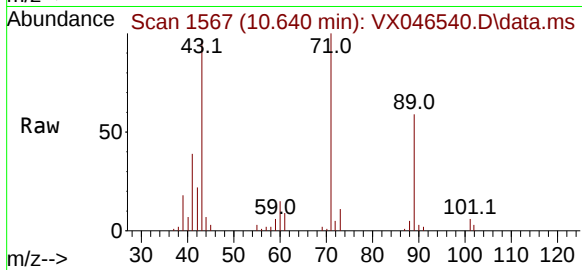
Ion Ratio Lower Upper

43 100

70 1.5 30.9 46.3#

55 4.6 18.7 28.1#

61 9.1 17.1 25.7#



#76

1,2,3-Trichloropropane

Concen: 27.753 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046540.D

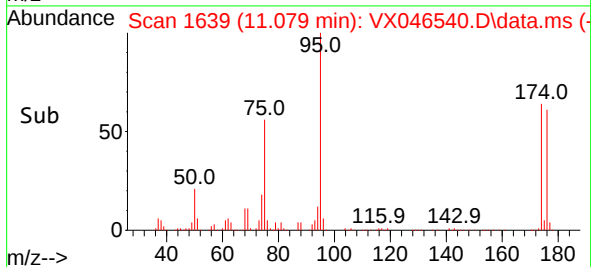
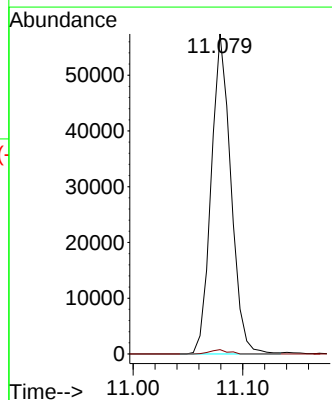
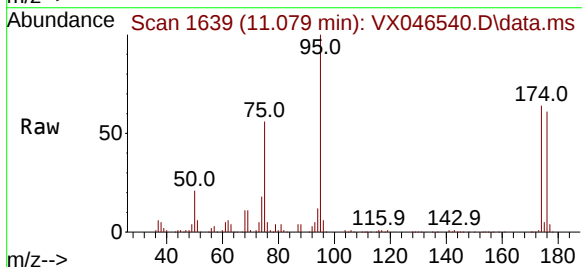
Acq: 06 Jun 2025 19:58

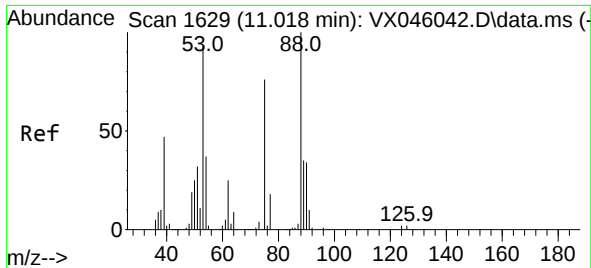
Tgt Ion: 75 Resp: 71704

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.057 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046540.D
 Acq: 06 Jun 2025 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-07

Tgt Ion: 75 Resp: 71704
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

