

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046537.D
 Acq On : 06 Jun 2025 18:51
 Operator : JC/MD
 Sample : Q2207-36
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-04

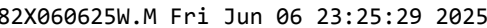
Quant Time: Jun 06 23:25:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

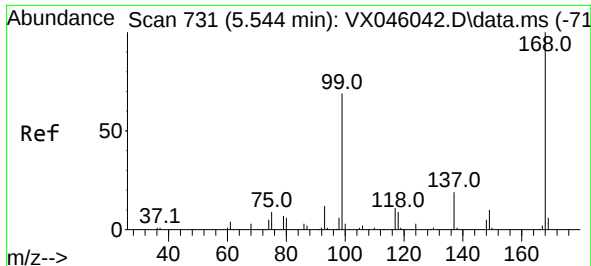
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	117518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	229672	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	102631	49.088	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.180%		
35) Dibromofluoromethane	5.409	113	76279	45.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.320%		
50) Toluene-d8	8.653	98	290260	52.126	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.260%		
62) 4-Bromofluorobenzene	11.079	95	130703	56.731	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	113.460%		
Target Compounds						Qvalue
3) Chloromethane	1.307	50	314	0.211	ug/l #	43
5) Bromomethane	1.642	94	200	0.223	ug/l	99
6) Chloroethane	1.770	64	478	0.498	ug/l #	44
8) Diethyl Ether	2.154	74	31040	35.867	ug/l	94
11) Tert butyl alcohol	2.977	59	116	0.500	ug/l #	72
16) Acetone	2.392	43	12639	19.706	ug/l	98
17) Carbon Disulfide	2.526	76	240	0.283	ug/l #	76
18) Methyl Acetate	2.721	43	13168	5.288	ug/l	99
20) Methylene Chloride	2.806	84	2959	1.764	ug/l	93
25) 2-Butanone	4.623	43	1528	1.313	ug/l #	84
31) Cyclohexane	5.568	56	3092	1.272	ug/l #	12
36) 1,1-Dichloropropene	5.568	75	11382	4.718	ug/l #	50
37) Ethyl Acetate	4.757	43	7187	3.052	ug/l #	88
38) Carbon Tetrachloride	5.574	117	13411	4.963	ug/l #	16
43) Isopropyl Acetate	6.373	43	5766	1.405	ug/l #	82
48) Methyl methacrylate	7.805	41	51531	24.398	ug/l #	48
51) 4-Methyl-2-Pentanone	8.555	43	60855	23.329	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	25067	9.273	ug/l #	61
57) 1,3-Dichloropropane	9.488	76	1822	0.615	ug/l #	42
59) 2-Hexanone	9.488	43	28646	15.312	ug/l #	54
74) N-amyl acetate	10.640	43	9368	2.268	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	72116	28.539	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	72116	82.325	ug/l #	1

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

Quant Time: Jun 06 23:25:18 2025
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

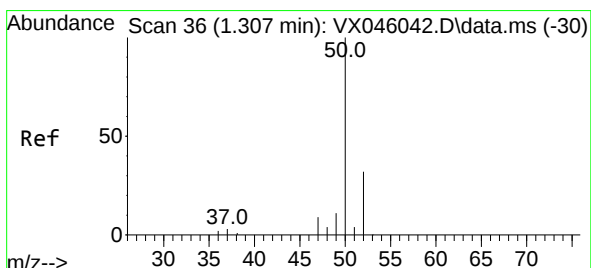
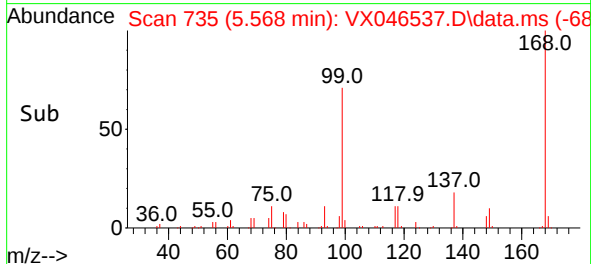
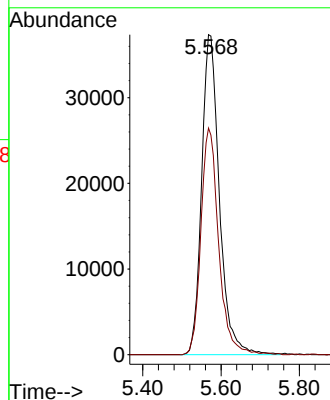
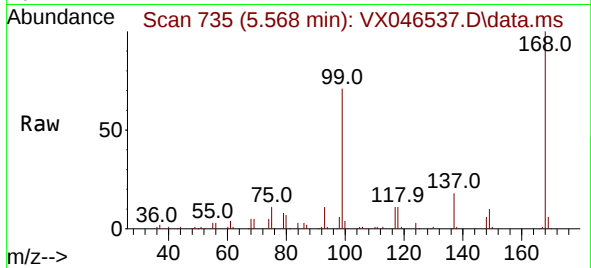




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

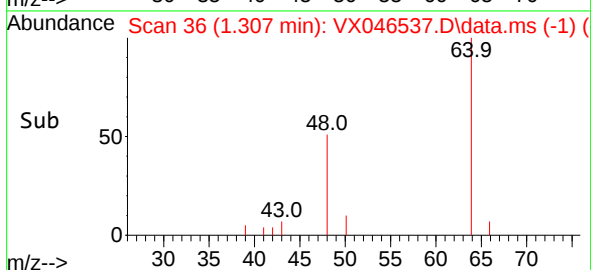
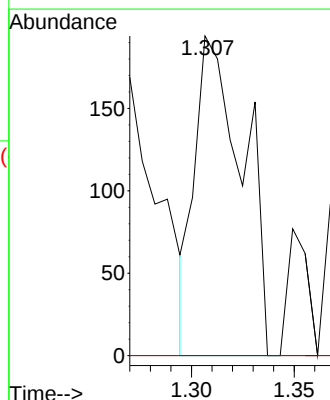
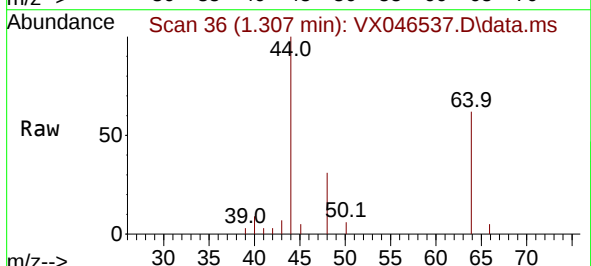
Instrument :
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BU-703-COMP-04

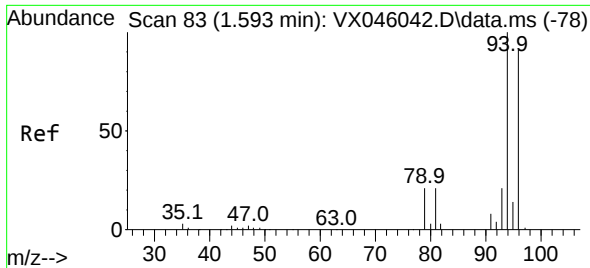
Tgt Ion:168 Resp: 117518
Ion Ratio Lower Upper
168 100
99 70.8 54.9 82.3



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion: 50 Resp: 314
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

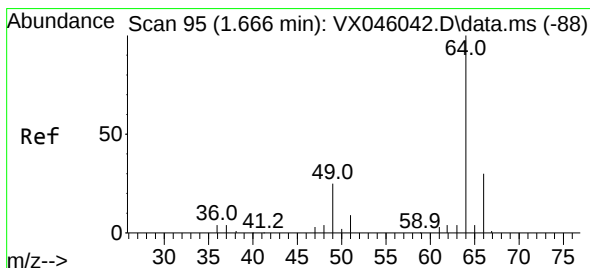
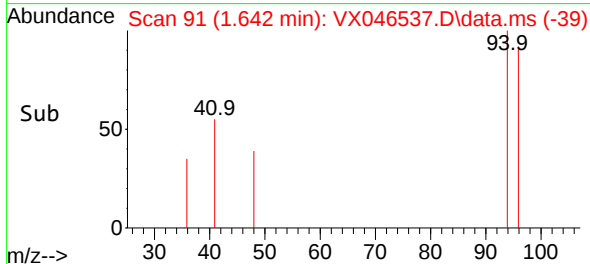
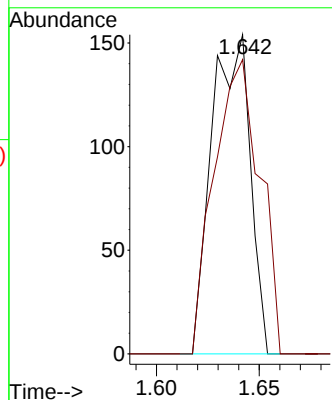
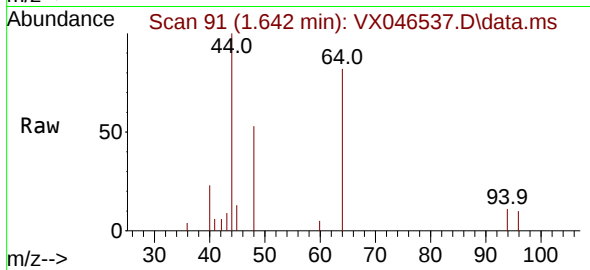




#5
Bromomethane
Concen: 0.223 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

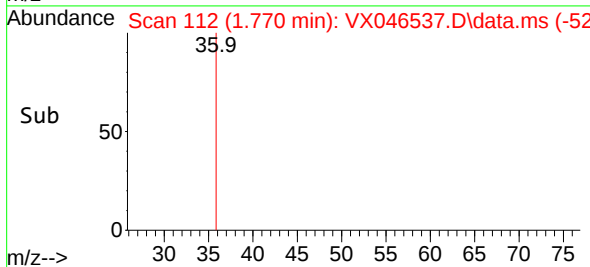
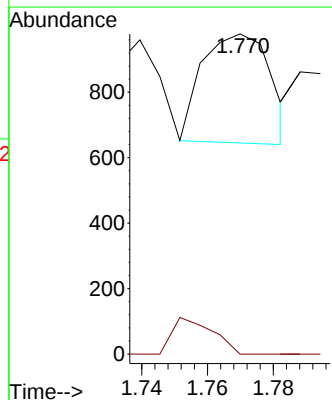
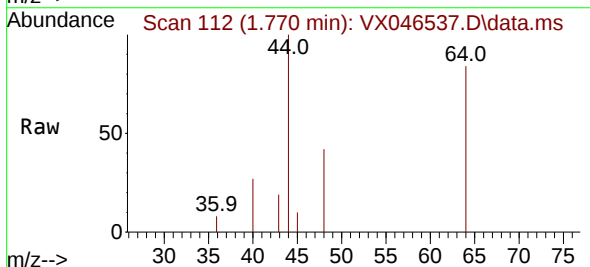
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

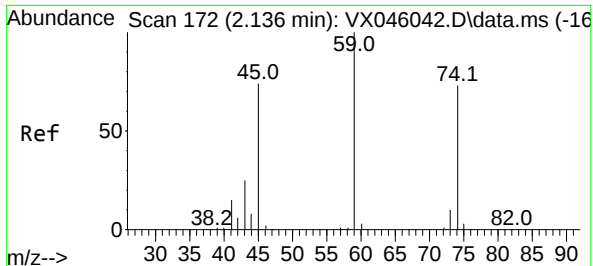
Tgt Ion: 94 Resp: 200
Ion Ratio Lower Upper
94 100
96 92.2 72.8 109.2



#6
Chloroethane
Concen: 0.498 ug/l
RT: 1.770 min Scan# 112
Delta R.T. 0.067 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion: 64 Resp: 478
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#





#8

Diethyl Ether

Concen: 35.867 ug/l

RT: 2.154 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046537.D

Acq: 06 Jun 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

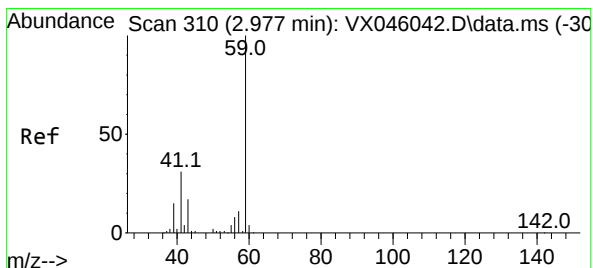
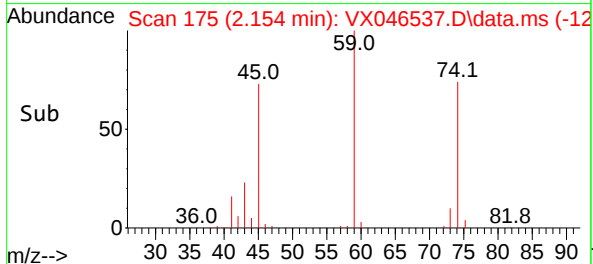
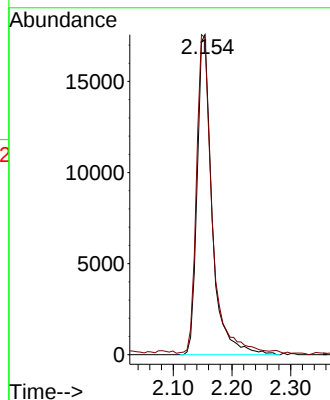
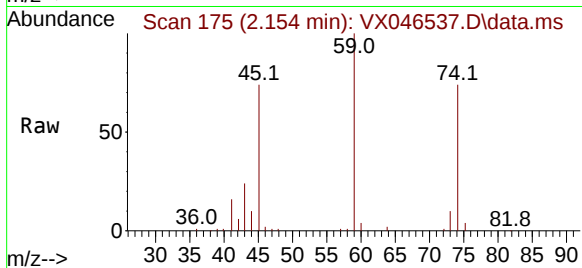
BU-703-COMP-04

Tgt Ion: 74 Resp: 31040

Ion Ratio Lower Upper

74 100

45 104.0 54.9 164.8



#11

Tert butyl alcohol

Concen: 0.500 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.006 min

Lab File: VX046537.D

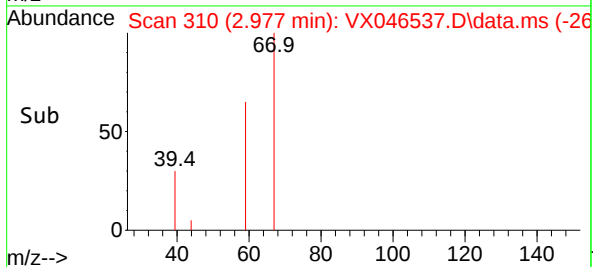
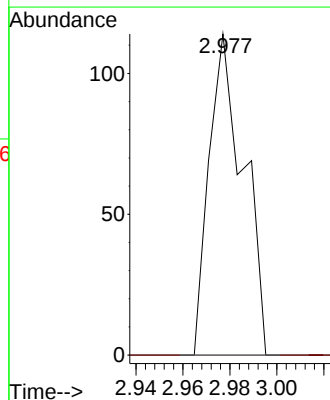
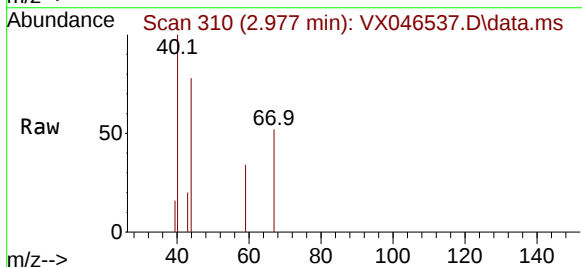
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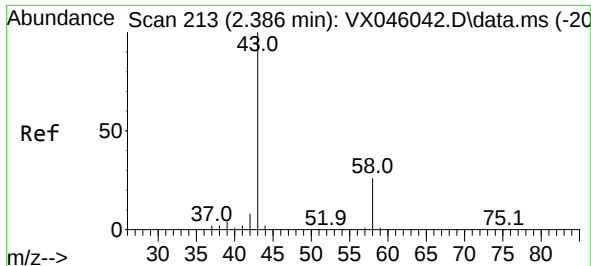
Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

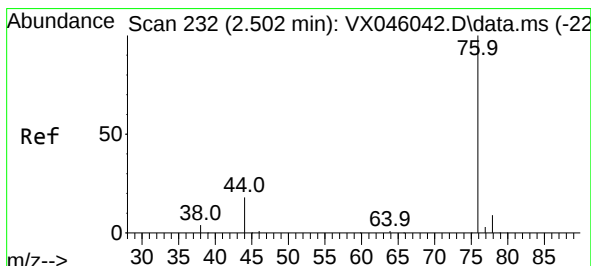
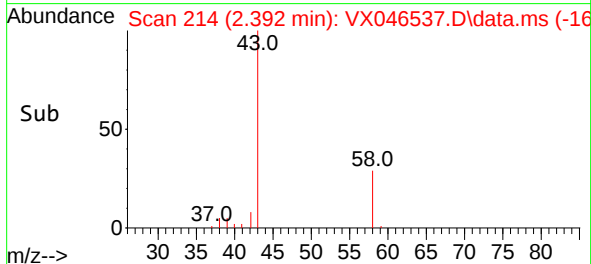
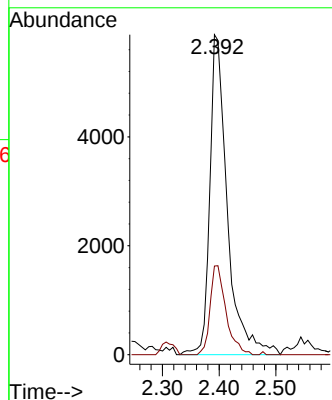
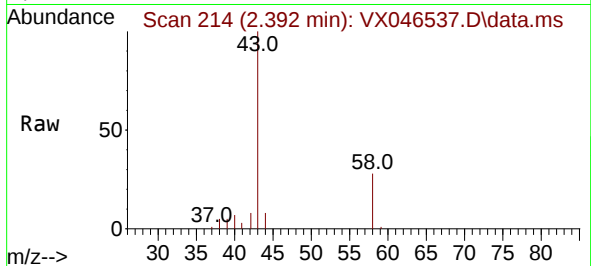




#16
Acetone
Concen: 19.706 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

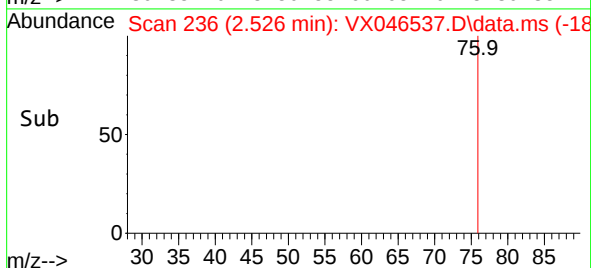
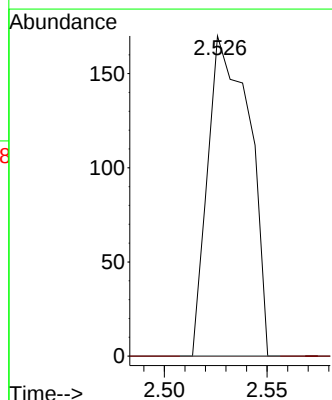
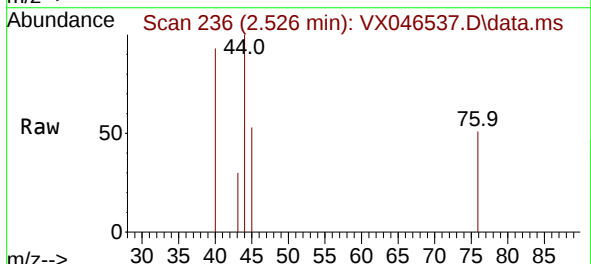
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

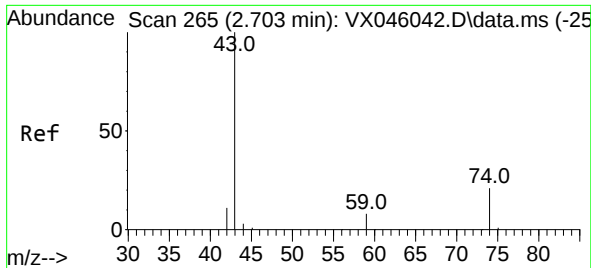
Tgt Ion: 43 Resp: 12639
Ion Ratio Lower Upper
43 100
58 27.7 21.2 31.8



#17
Carbon Disulfide
Concen: 0.283 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion: 76 Resp: 240
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

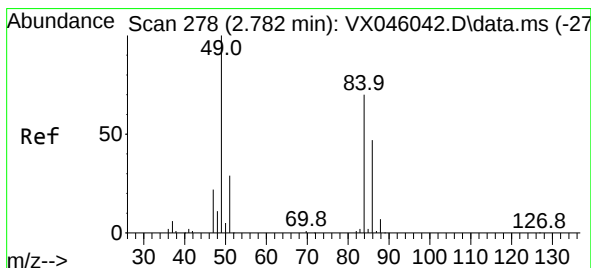
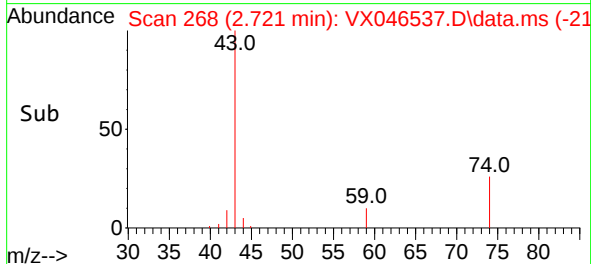
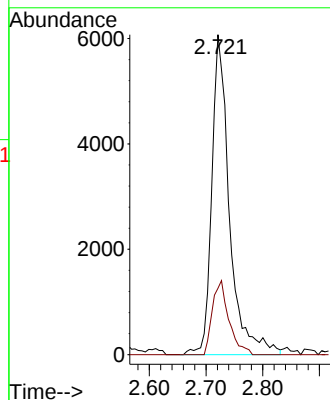
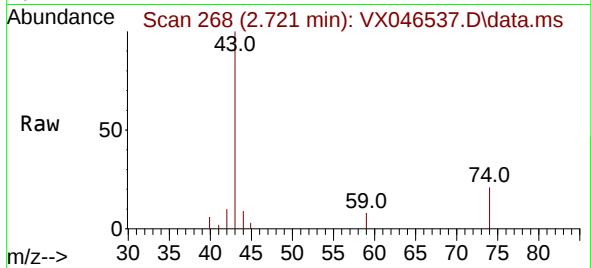




#18
Methyl Acetate
Concen: 5.288 ug/l
RT: 2.721 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

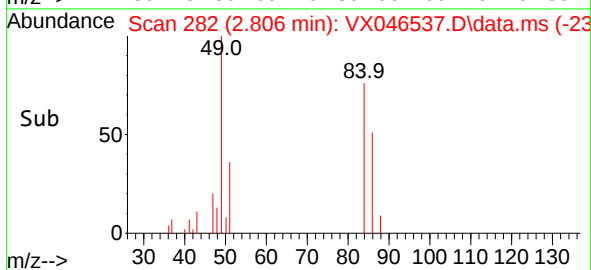
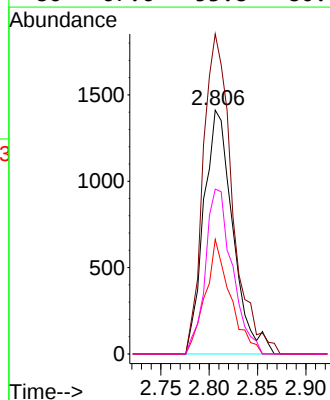
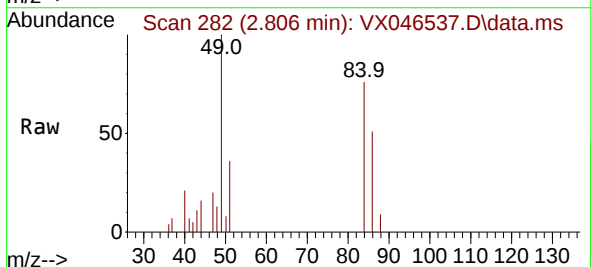
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

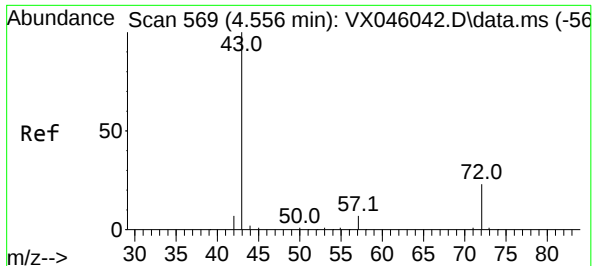
Tgt Ion: 43 Resp: 13168
Ion Ratio Lower Upper
43 100
74 21.6 16.7 25.1



#20
Methylene Chloride
Concen: 1.764 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion: 84 Resp: 2959
Ion Ratio Lower Upper
84 100
49 131.2 113.9 170.9
51 47.0 33.5 50.3
86 67.6 53.8 80.8





#25

2-Butanone

Concen: 1.313 ug/l

RT: 4.623 min Scan# 51

Delta R.T. 0.049 min

Lab File: VX046537.D

Acq: 06 Jun 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

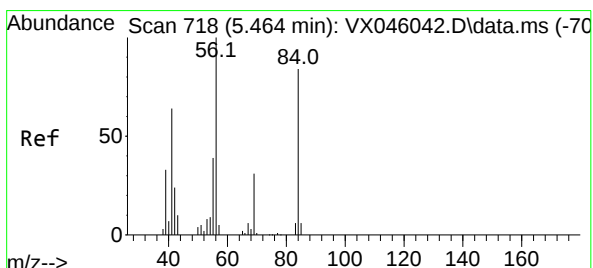
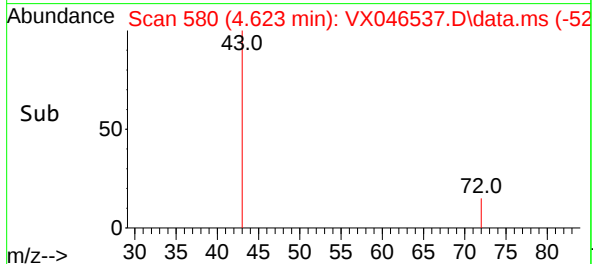
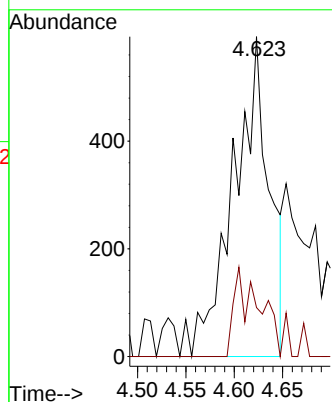
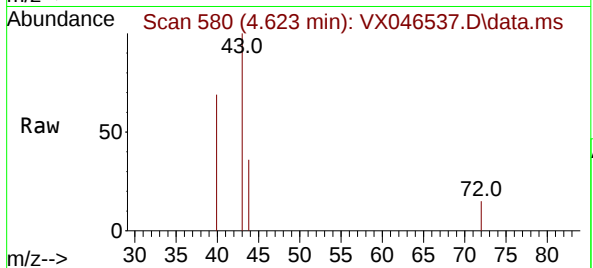
BU-703-COMP-04

Tgt Ion: 43 Resp: 1528

Ion Ratio Lower Upper

43 100

72 15.3 18.4 27.6#



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046537.D

Acq: 06 Jun 2025 18:51

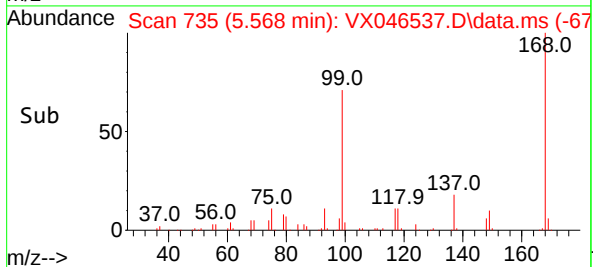
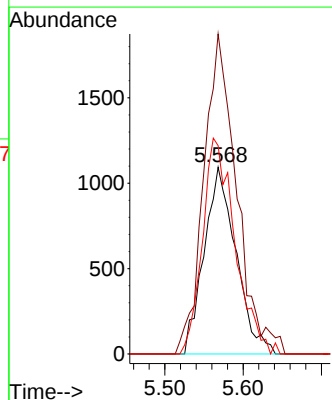
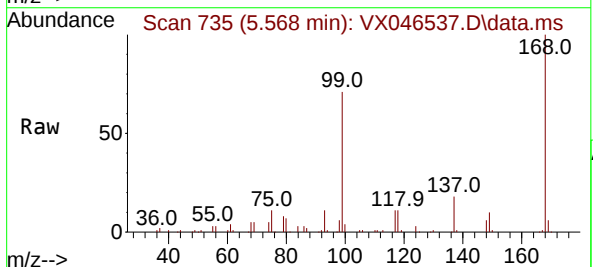
Tgt Ion: 56 Resp: 3092

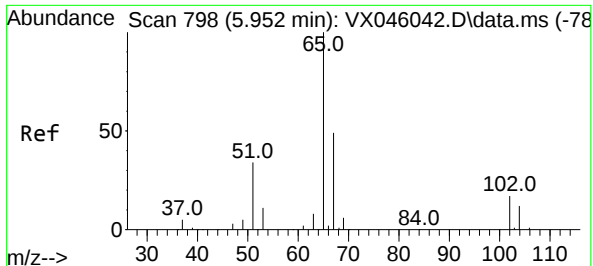
Ion Ratio Lower Upper

56 100

69 164.5 24.4 36.6#

84 111.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 49.088 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046537.D

Acq: 06 Jun 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

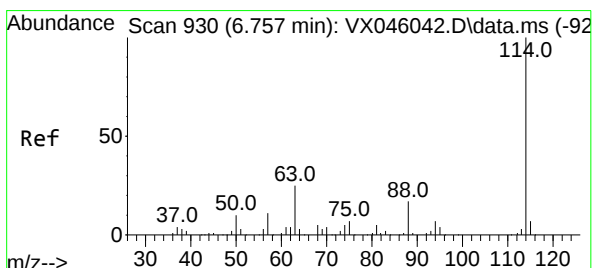
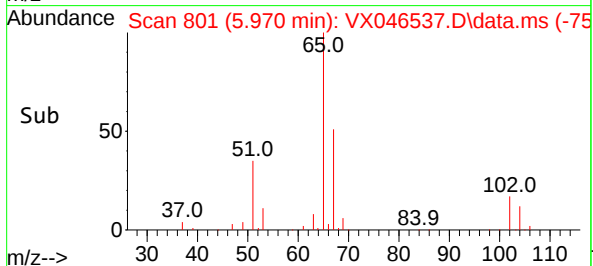
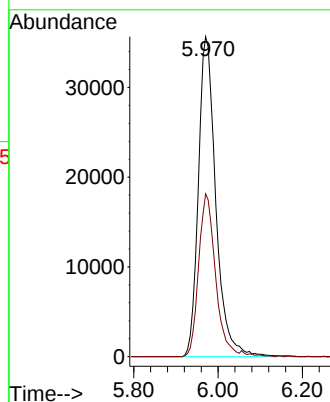
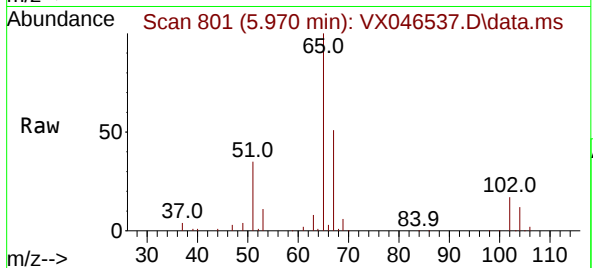
BU-703-COMP-04

Tgt Ion: 65 Resp: 102631

Ion Ratio Lower Upper

65 100

67 48.9 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: VX046537.D

Acq: 06 Jun 2025 18:51

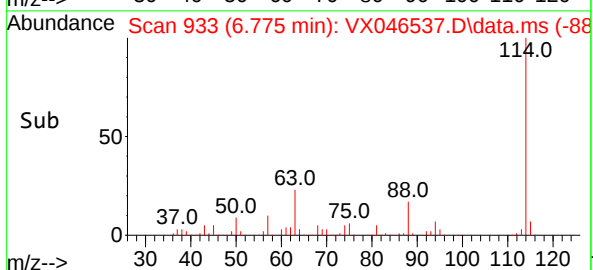
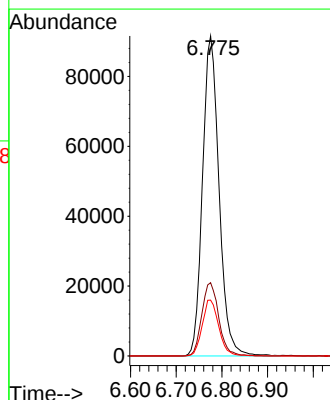
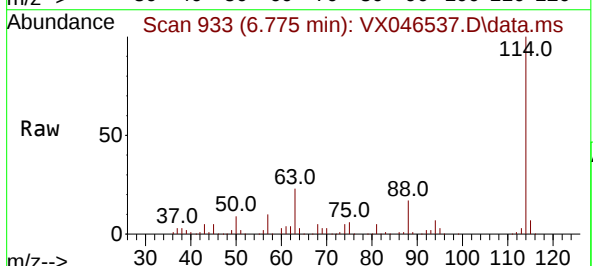
Tgt Ion: 114 Resp: 229672

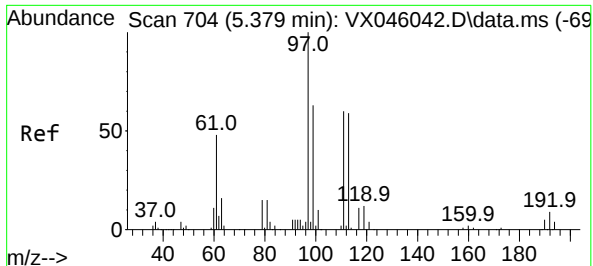
Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 17.4 0.0 33.6

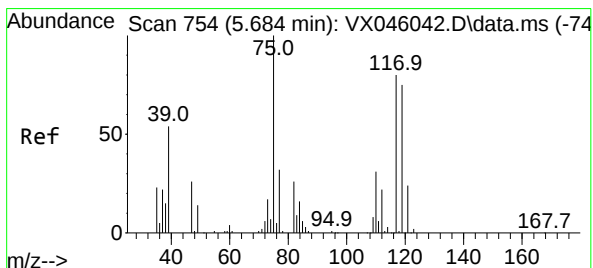
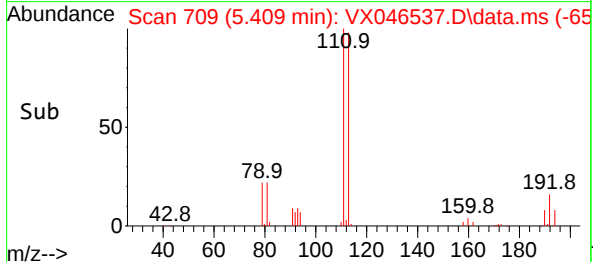
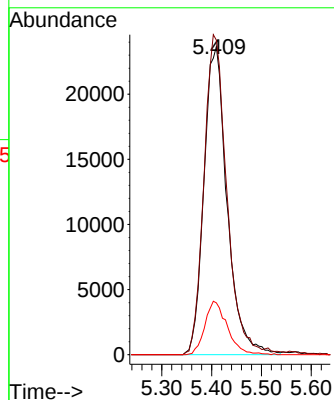
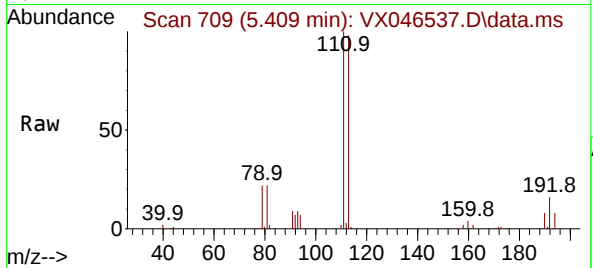




#35
Dibromofluoromethane
Concen: 45.162 ug/l
RT: 5.409 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

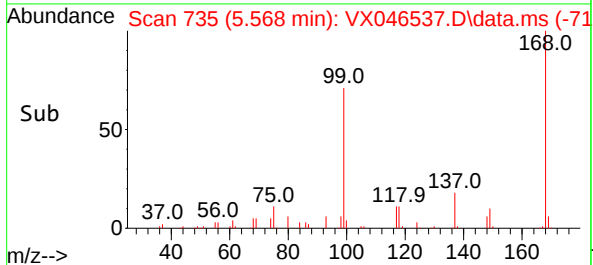
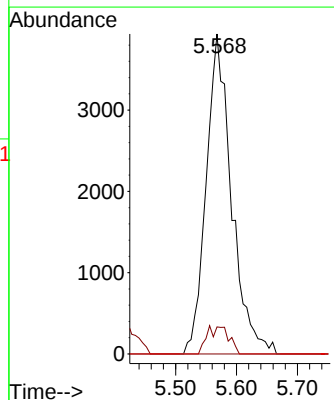
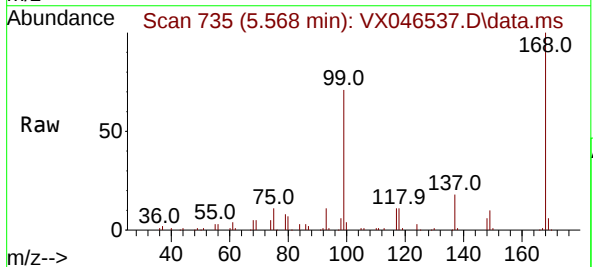
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

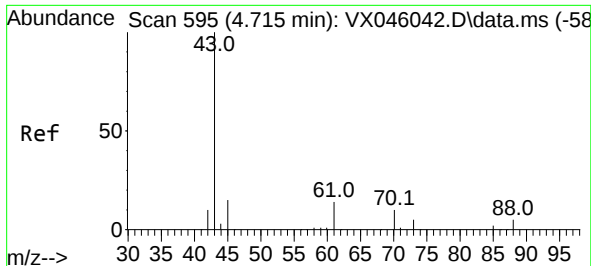
Tgt Ion:113 Resp: 76279
Ion Ratio Lower Upper
113 100
111 103.4 83.1 124.7
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.718 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion: 75 Resp: 11382
Ion Ratio Lower Upper
75 100
110 7.4 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 3.052 ug/l

RT: 4.757 min Scan# 602

Delta R.T. 0.024 min

Lab File: VX046537.D

Acq: 06 Jun 2025 18:51

Instrument :

MSVOA_X

ClientSampleId :

BU-703-COMP-04

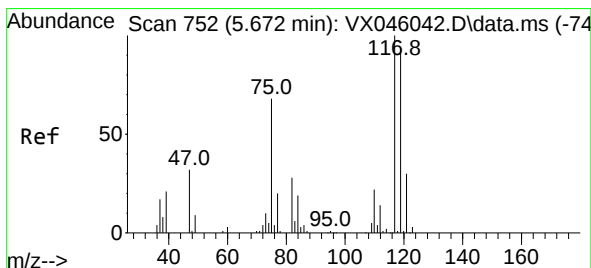
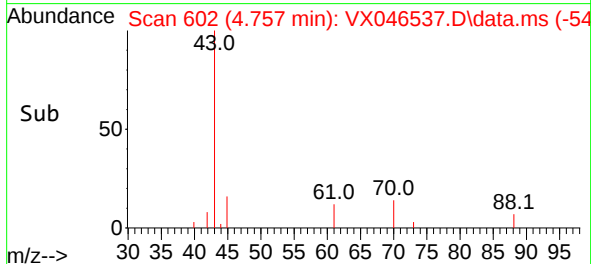
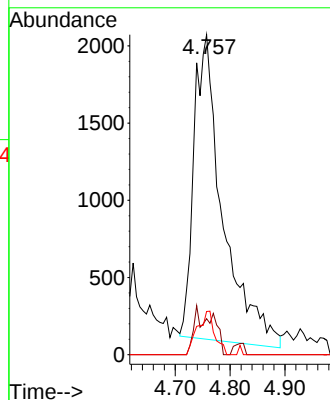
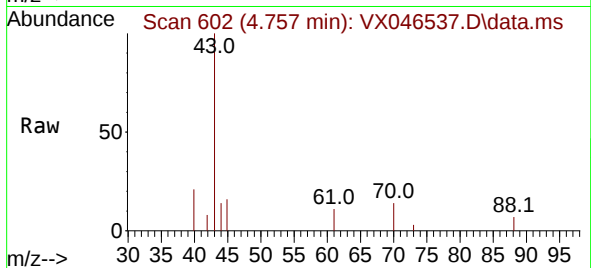
Tgt Ion: 43 Resp: 7187

Ion Ratio Lower Upper

43 100

61 5.4 10.3 15.5#

70 8.6 7.9 11.9



#38

Carbon Tetrachloride

Concen: 4.963 ug/l

RT: 5.574 min Scan# 736

Delta R.T. -0.122 min

Lab File: VX046537.D

Acq: 06 Jun 2025 18:51

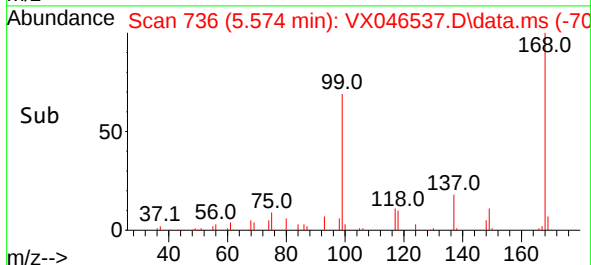
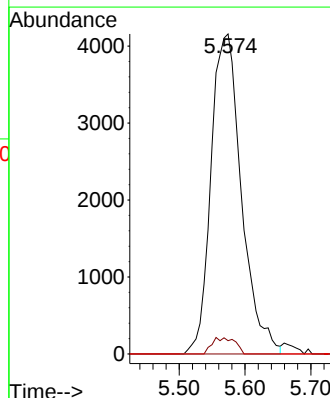
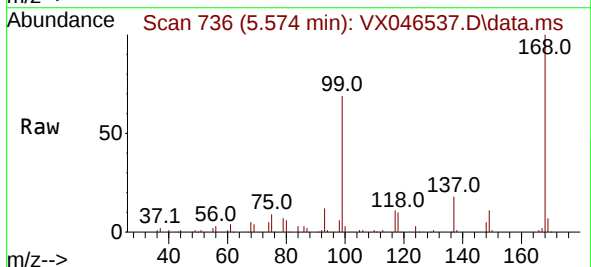
Tgt Ion: 117 Resp: 13411

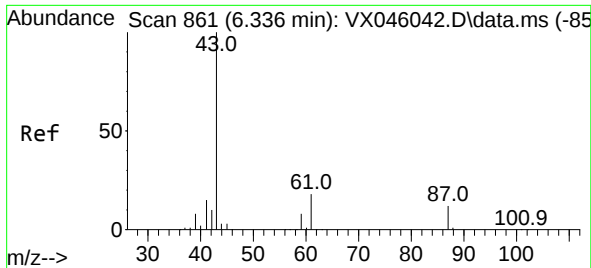
Ion Ratio Lower Upper

117 100

119 4.1 75.2 112.8#

121 0.0 24.2 36.4#

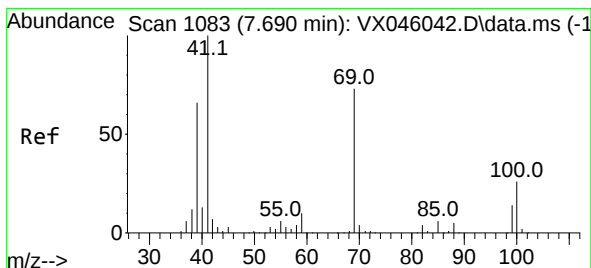
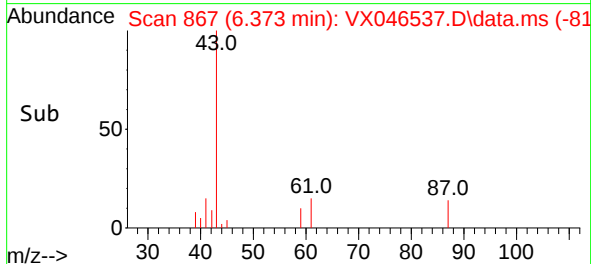
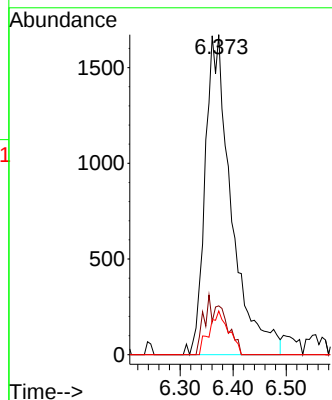
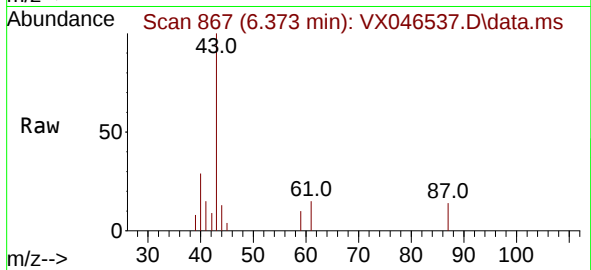




#43
Isopropyl Acetate
Concen: 1.405 ug/l
RT: 6.373 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

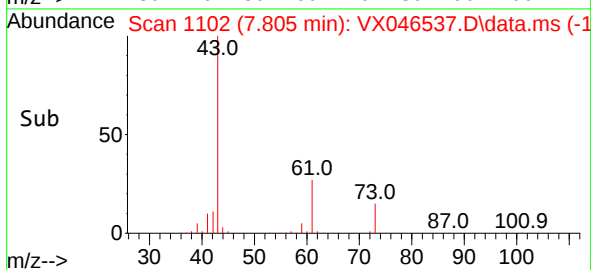
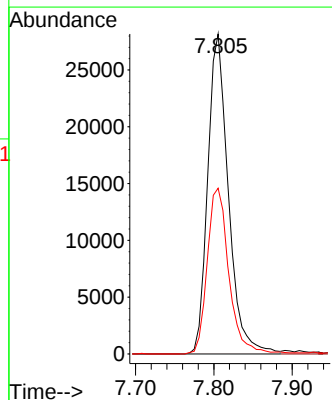
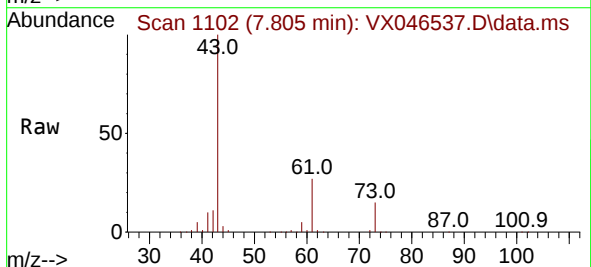
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

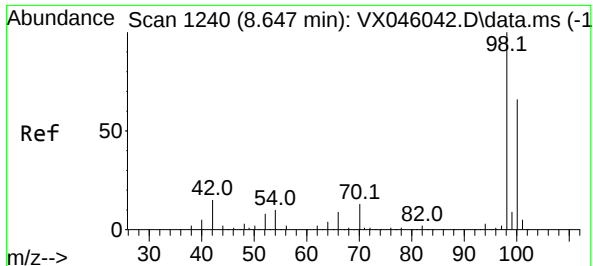
Tgt Ion: 43 Resp: 5766
Ion Ratio Lower Upper
43 100
61 6.0 14.3 21.5#
87 10.1 9.5 14.3



#48
Methyl methacrylate
Concen: 24.398 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion: 41 Resp: 51531
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.5 51.7 77.5

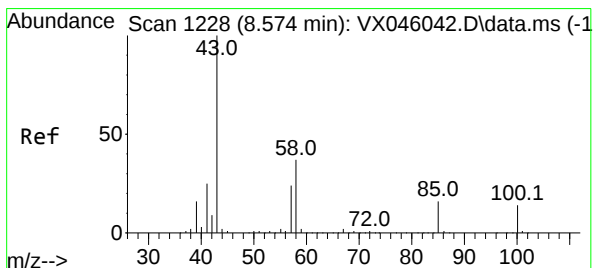
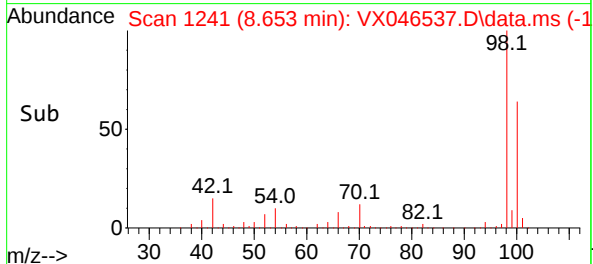
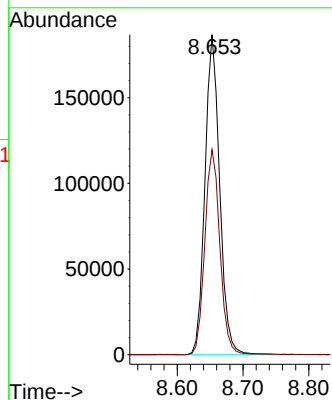
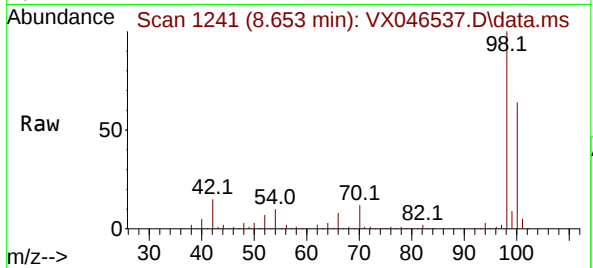




#50
Toluene-d8
Concen: 52.126 ug/l
RT: 8.653 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

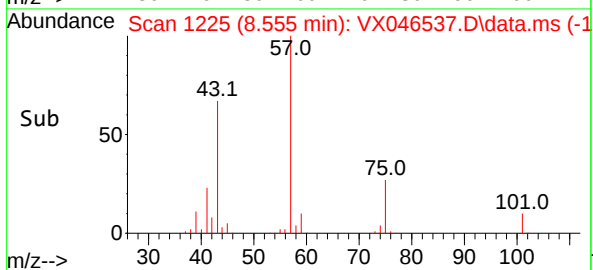
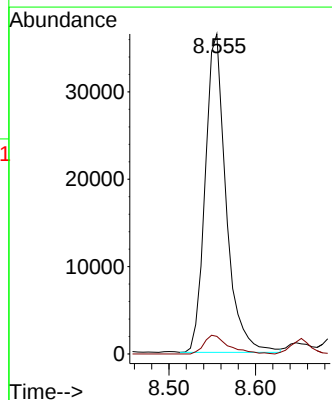
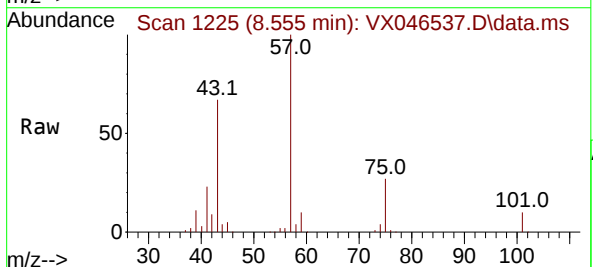
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

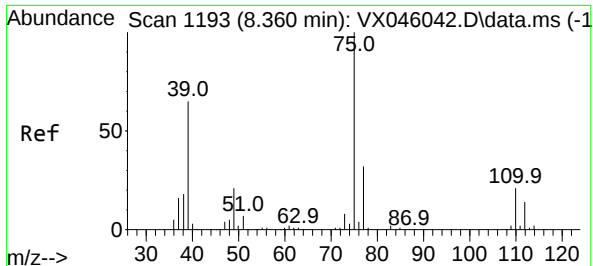
Tgt Ion: 98 Resp: 290260
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 23.329 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.018 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion: 43 Resp: 60855
Ion Ratio Lower Upper
43 100
58 7.0 28.9 43.3#

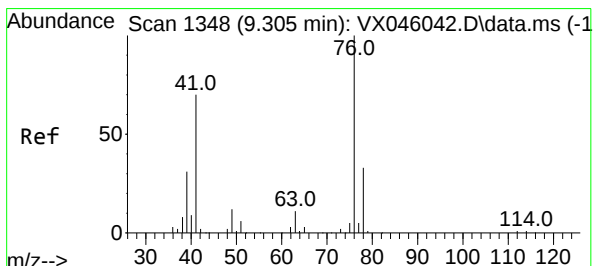
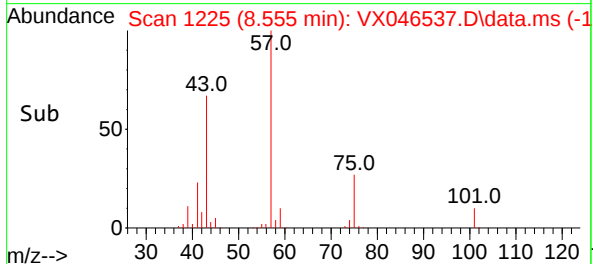
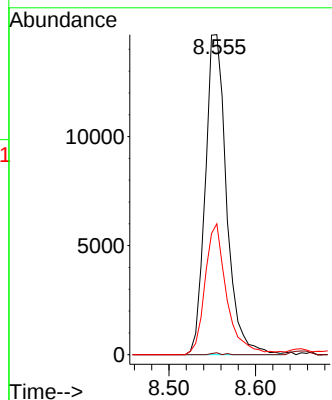
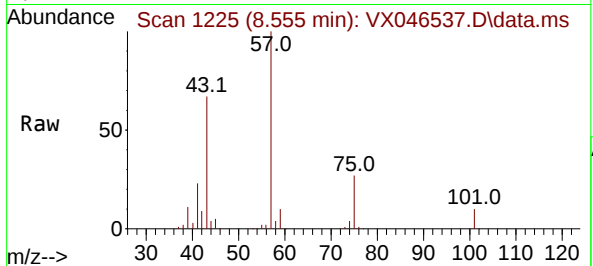




#54
 cis-1,3-Dichloropropene
 Concen: 9.273 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046537.D
 Acq: 06 Jun 2025 18:51

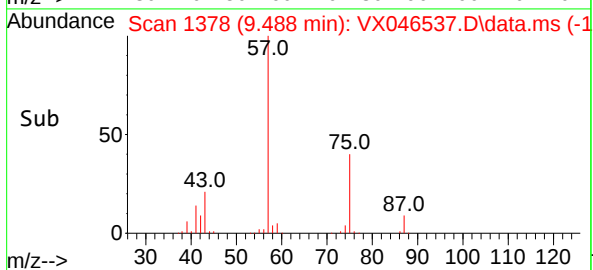
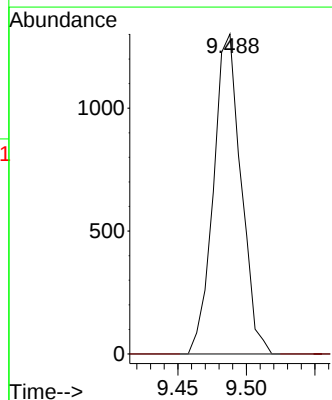
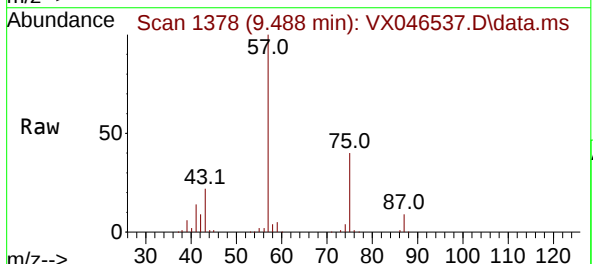
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-04

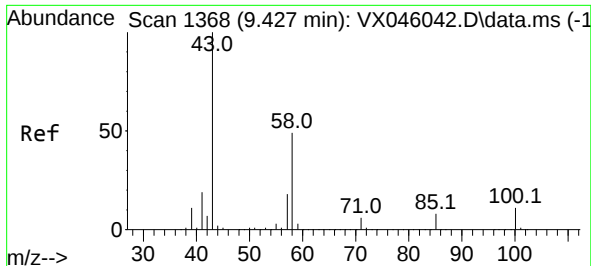
Tgt Ion: 75 Resp: 25067
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.0#
 39 40.9 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.615 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX046537.D
 Acq: 06 Jun 2025 18:51

Tgt Ion: 76 Resp: 1822
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

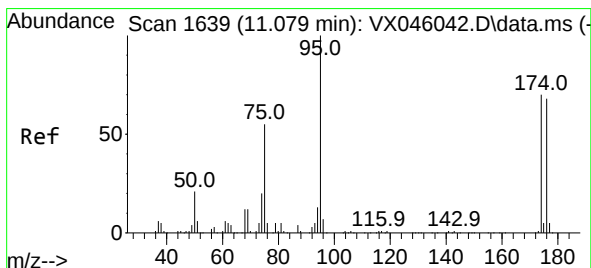
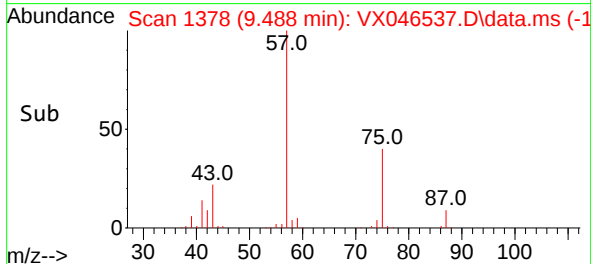
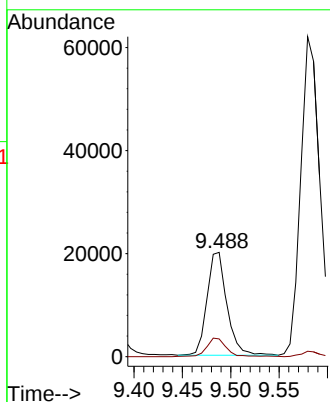
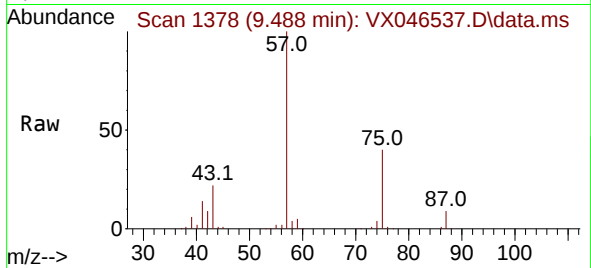




#59
2-Hexanone
Concen: 15.312 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

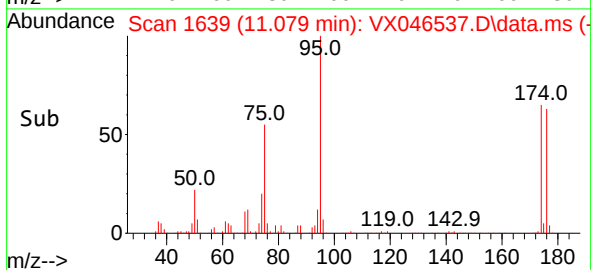
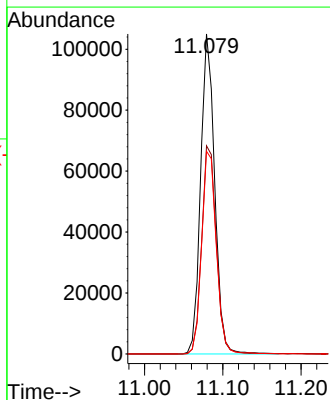
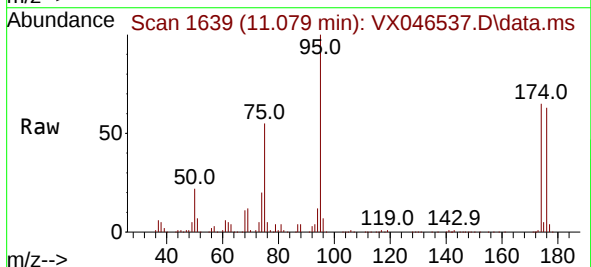
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

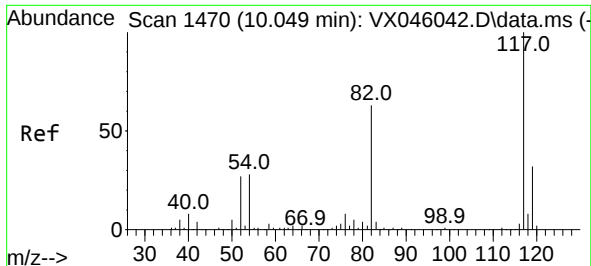
Tgt Ion: 43 Resp: 28646
Ion Ratio Lower Upper
43 100
58 18.2 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 56.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion: 95 Resp: 130703
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.8
176 66.1 0.0 131.4

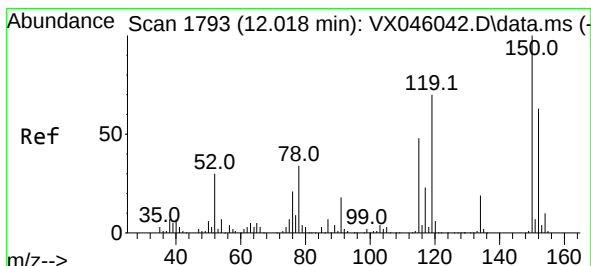
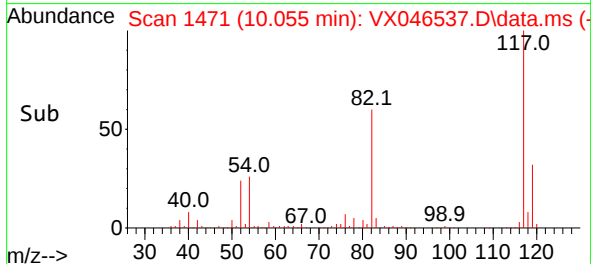
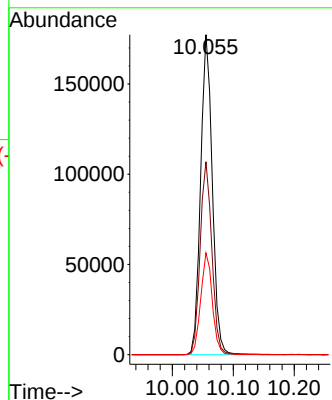
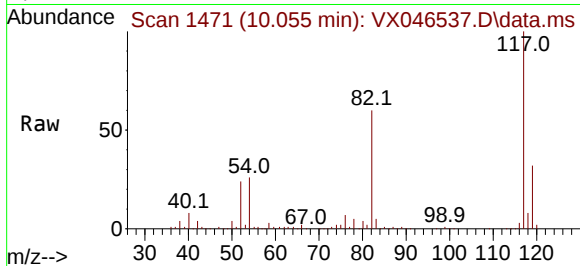




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

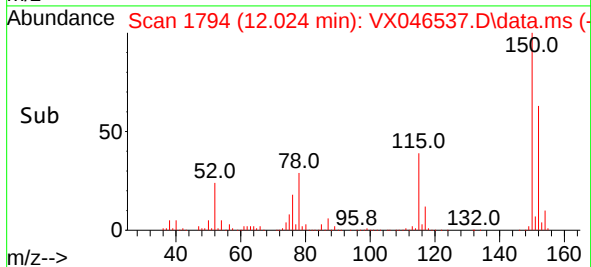
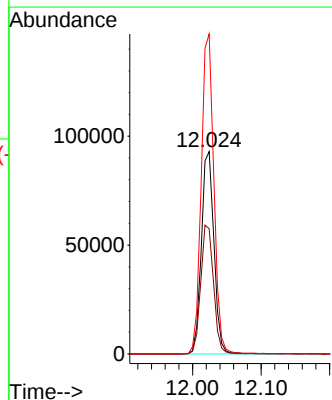
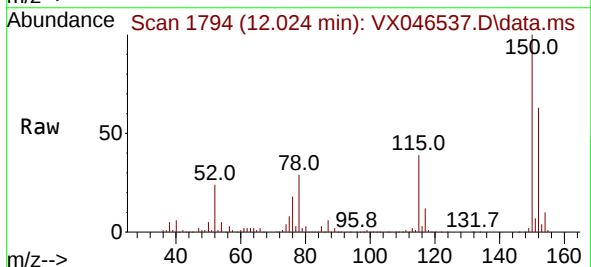
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

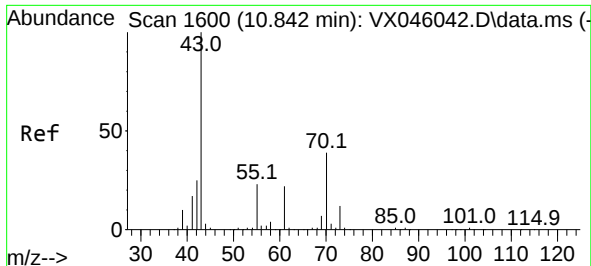
Tgt Ion:117 Resp: 236436
Ion Ratio Lower Upper
117 100
82 60.3 50.6 76.0
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion:152 Resp: 119299
Ion Ratio Lower Upper
152 100
115 64.4 46.9 140.7
150 158.5 0.0 351.0

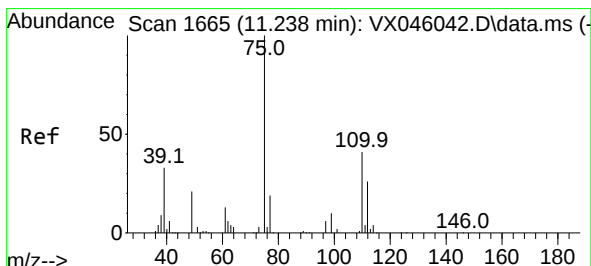
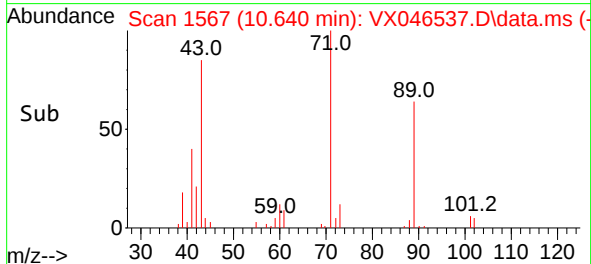
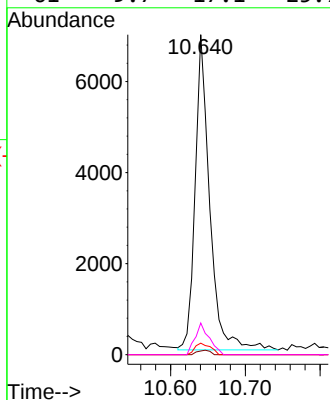
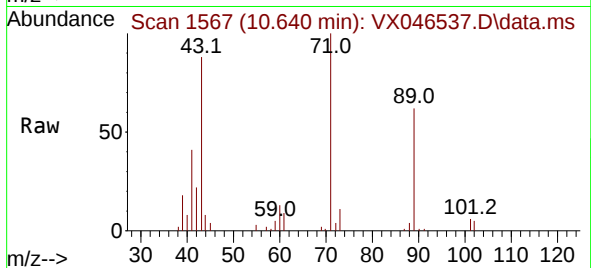




#74
N-amy1 acetate
Concen: 2.268 ug/l
RT: 10.640 min Scan# 1638
Delta R.T. -0.201 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

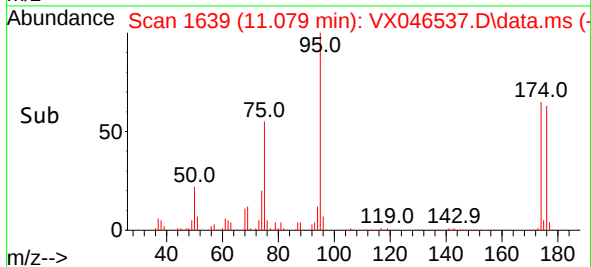
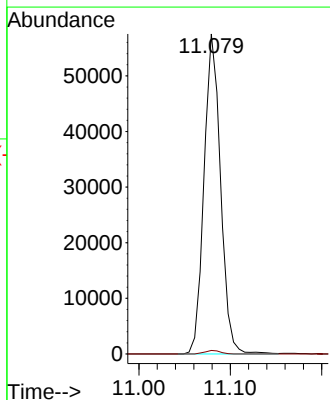
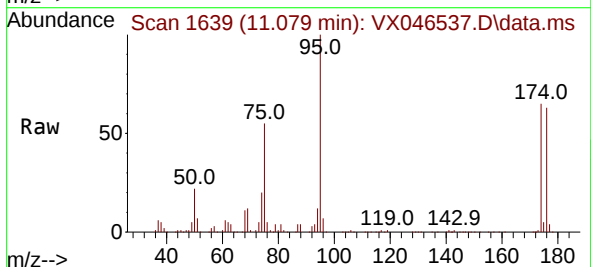
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-04

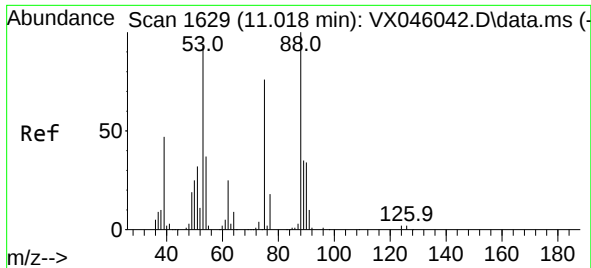
Tgt Ion:	43	Resp:	9368
Ion	Ratio	Lower	Upper
43	100		
70	1.2	30.9	46.3#
55	3.9	18.7	28.1#
61	9.7	17.1	25.7#



#76
1,2,3-Trichloropropane
Concen: 28.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046537.D
Acq: 06 Jun 2025 18:51

Tgt Ion:	75	Resp:	72116
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.5	61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.325 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046537.D
 Acq: 06 Jun 2025 18:51

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-04

Tgt Ion: 75 Resp: 72116
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

