

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046541.D
 Acq On : 06 Jun 2025 20:20
 Operator : JC/MD
 Sample : Q2208-27
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-08

Quant Time: Jun 06 23:27:13 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)

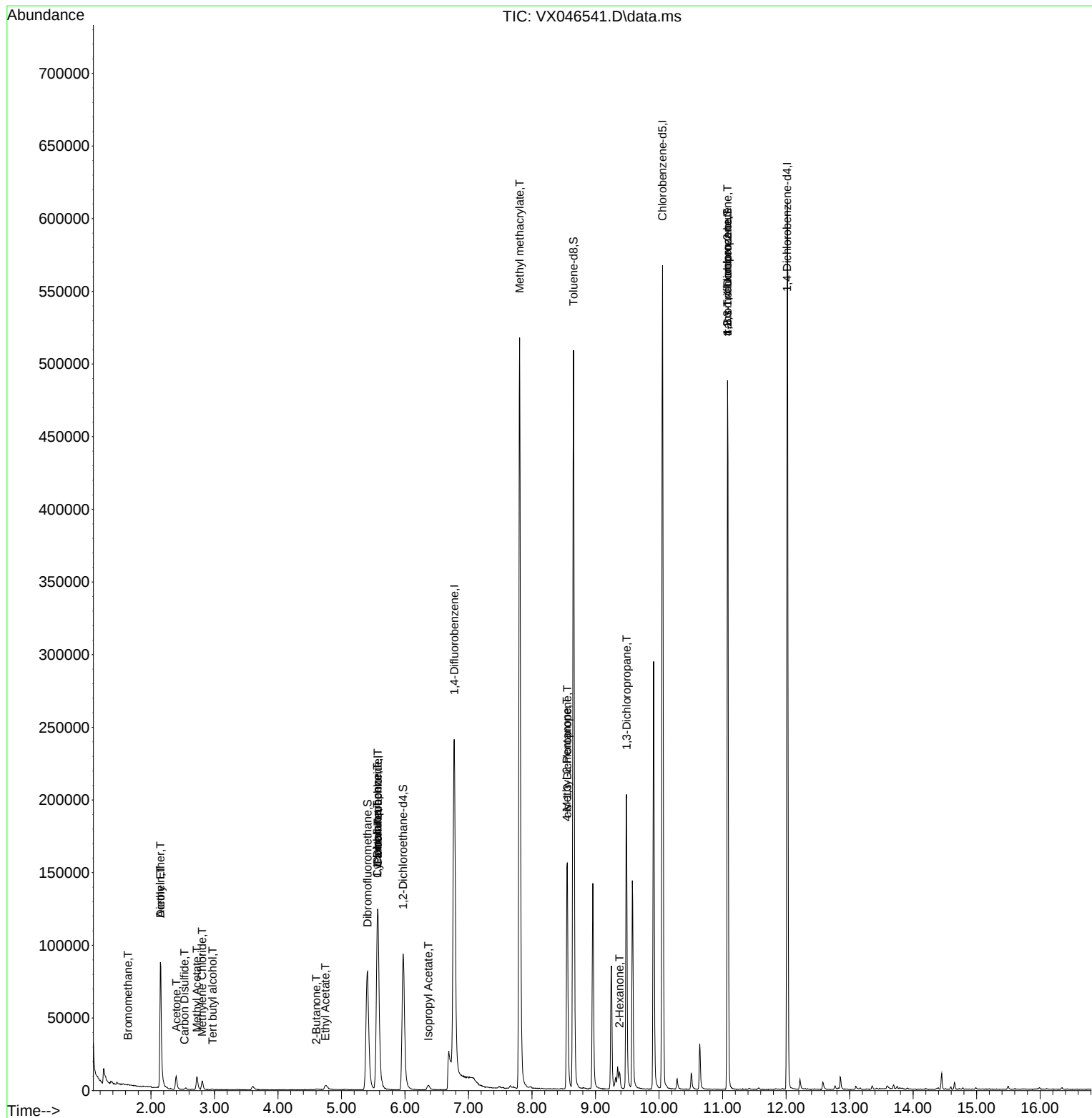
Internal Standards						
1) Pentafluorobenzene	5.568	168	116848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	228407	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	118469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	102066	49.097	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.200%
35) Dibromofluoromethane	5.410	113	76590	45.598	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.200%
50) Toluene-d8	8.653	98	289700	52.314	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.620%
62) 4-Bromofluorobenzene	11.079	95	128426	56.051	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.100%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	210	0.235	ug/l	97
8) Diethyl Ether	2.148	74	34052	39.574	ug/l	95
11) Tert butyl alcohol	2.971	59	95	0.412	ug/l #	72
13) Acrolein	2.148	56	38	30.125	ug/l #	15
16) Acetone	2.398	43	12112	19.159	ug/l	96
17) Carbon Disulfide	2.526	76	337	0.316	ug/l #	76
18) Methyl Acetate	2.721	43	12614	5.094	ug/l	99
20) Methylene Chloride	2.806	84	2582	1.548	ug/l #	88
25) 2-Butanone	4.605	43	912	0.788	ug/l #	84
31) Cyclohexane	5.562	56	3115	1.289	ug/l #	19
36) 1,1-Dichloropropene	5.562	75	10870	4.530	ug/l #	53
37) Ethyl Acetate	4.745	43	6688	2.856	ug/l	98
38) Carbon Tetrachloride	5.574	117	13274	4.939	ug/l #	16
43) Isopropyl Acetate	6.367	43	5097	1.249	ug/l #	97
48) Methyl methacrylate	7.805	41	49579	23.604	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	60481	23.314	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	25305	9.412	ug/l #	58
57) 1,3-Dichloropropane	9.488	76	1788	0.607	ug/l #	42
59) 2-Hexanone	9.378	43	7621	4.096	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	72379	28.844	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	72379	83.204	ug/l #	1

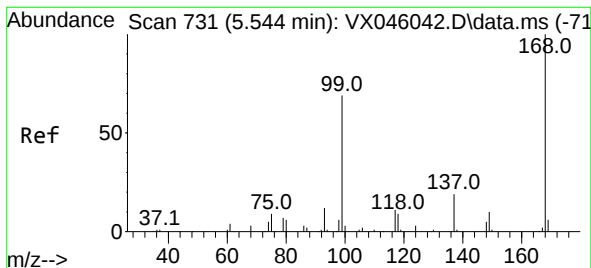
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX046541.D

Acq: 06 Jun 2025 20:20

Instrument :

MSVOA_X

ClientSampleId :

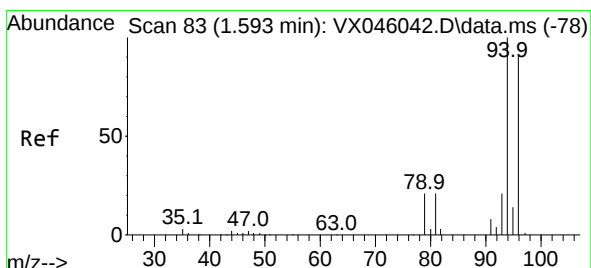
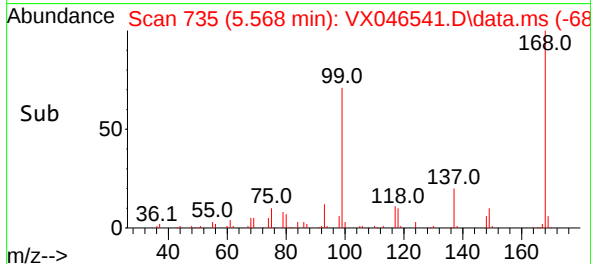
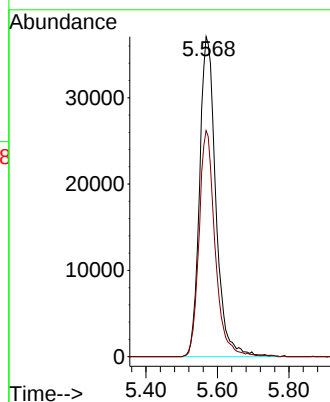
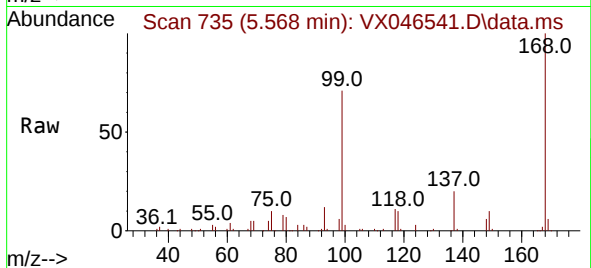
BU-703-COMP-08

Tgt Ion:168 Resp: 116848

Ion Ratio Lower Upper

168 100

99 70.7 54.9 82.3



#5

Bromomethane

Concen: 0.235 ug/l

RT: 1.636 min Scan# 90

Delta R.T. 0.012 min

Lab File: VX046541.D

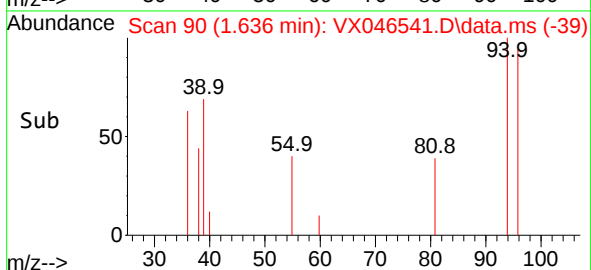
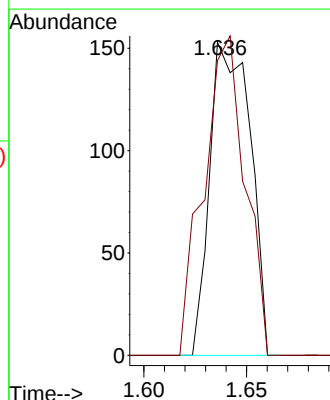
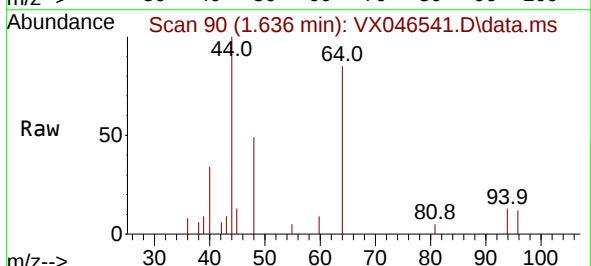
Acq: 06 Jun 2025 20:20

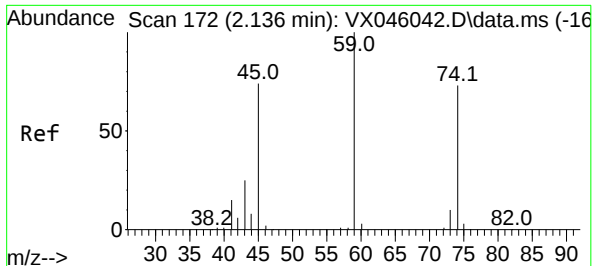
Tgt Ion: 94 Resp: 210

Ion Ratio Lower Upper

94 100

96 94.1 72.8 109.2

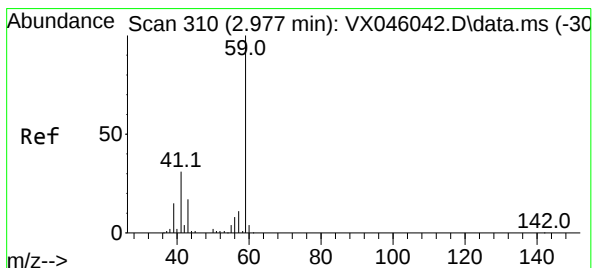
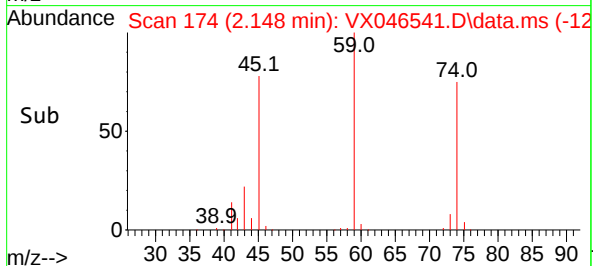
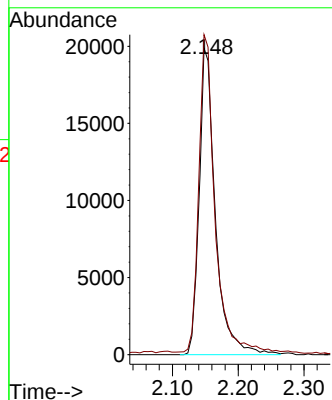
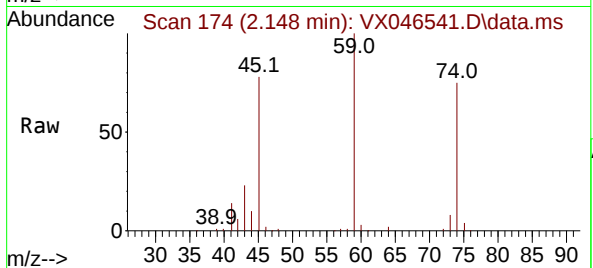




#8
Diethyl Ether
Concen: 39.574 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

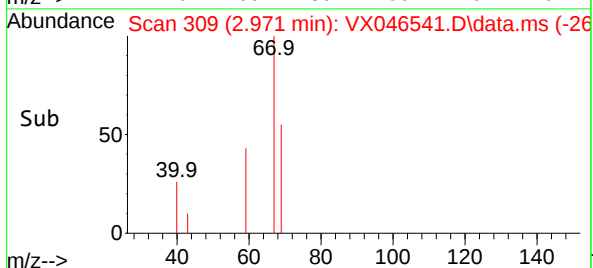
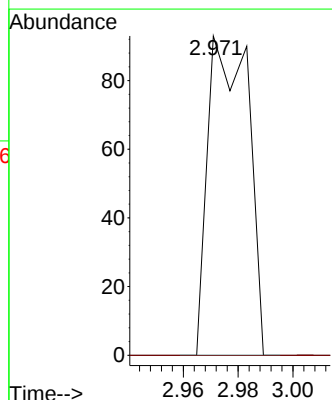
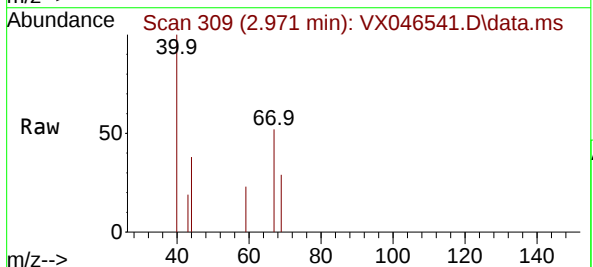
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-08

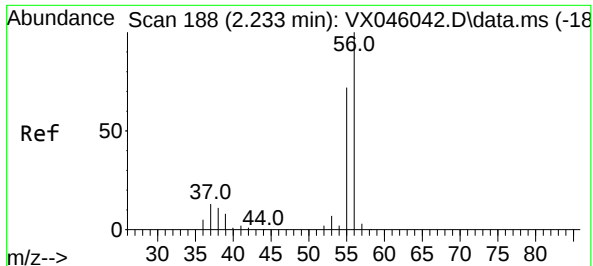
Tgt Ion: 74 Resp: 34052
Ion Ratio Lower Upper
74 100
45 104.3 54.9 164.8



#11
Tert butyl alcohol
Concen: 0.412 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.000 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

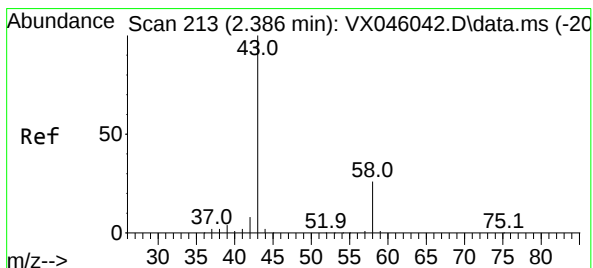
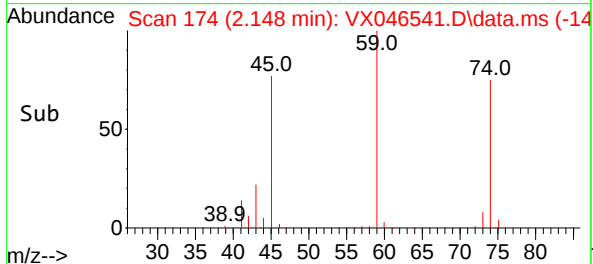
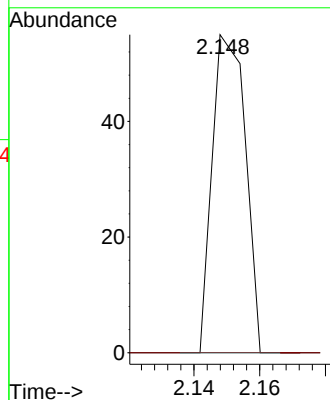
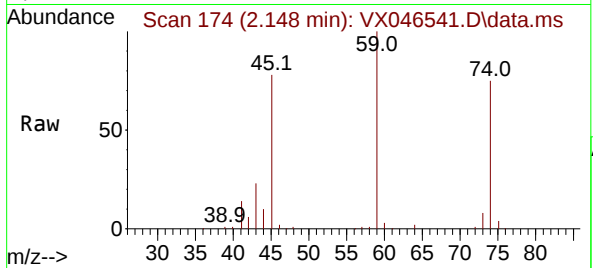




#13
Acrolein
Concen: 30.125 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.103 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

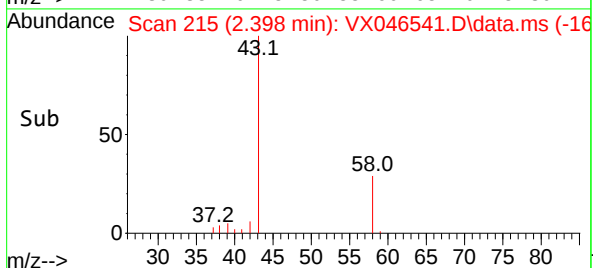
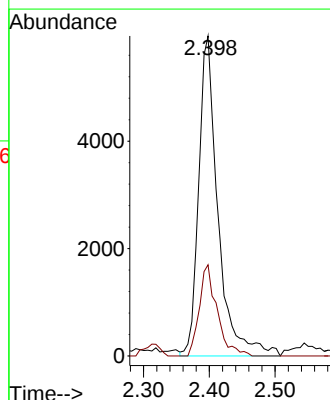
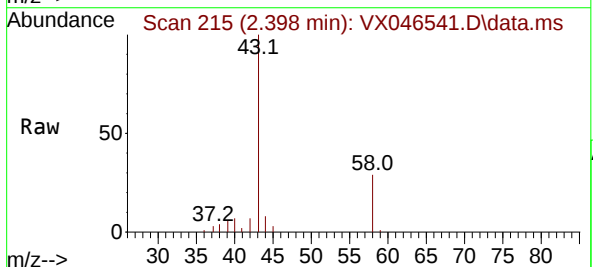
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-08

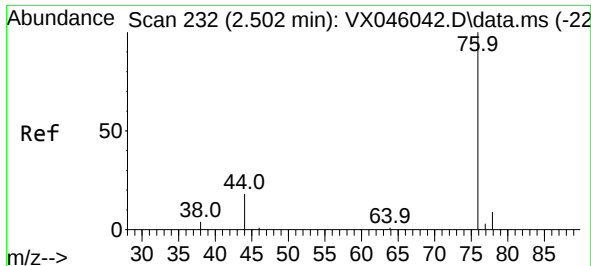
Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 19.159 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Tgt Ion: 43 Resp: 12112
Ion Ratio Lower Upper
43 100
58 28.5 21.2 31.8





#17

Carbon Disulfide

Concen: 0.316 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX046541.D

Acq: 06 Jun 2025 20:20

Instrument :

MSVOA_X

ClientSampleId :

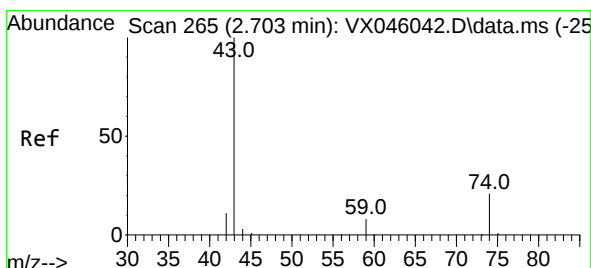
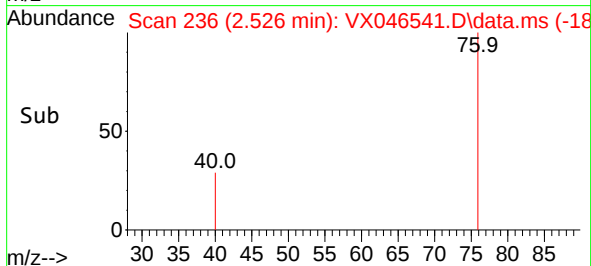
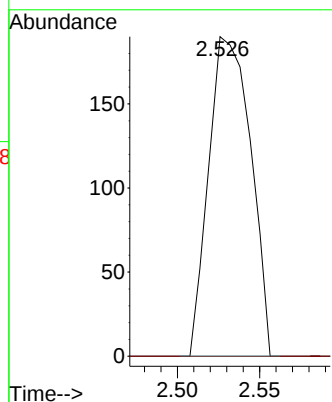
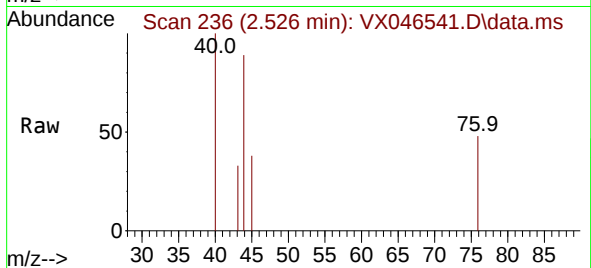
BU-703-COMP-08

Tgt Ion: 76 Resp: 337

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 5.094 ug/l

RT: 2.721 min Scan# 268

Delta R.T. -0.000 min

Lab File: VX046541.D

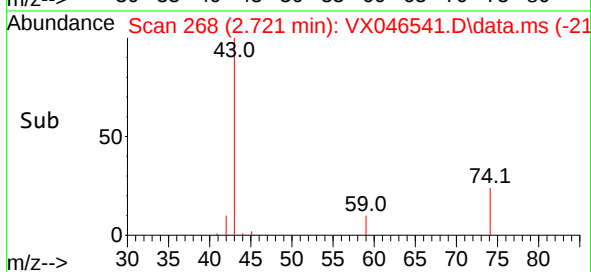
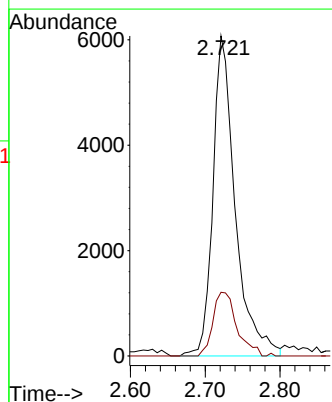
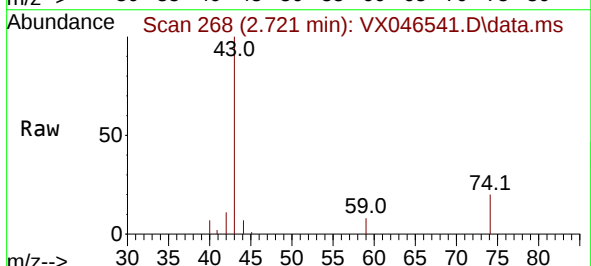
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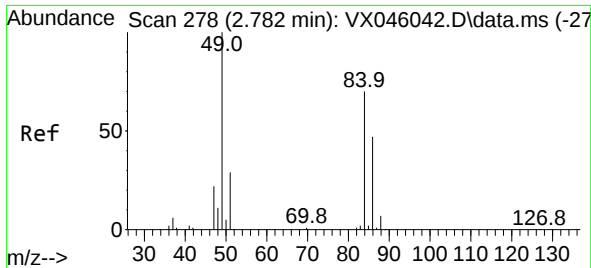
Tgt Ion: 43 Resp: 12614

Ion Ratio Lower Upper

43 100

74 21.2 16.7 25.1

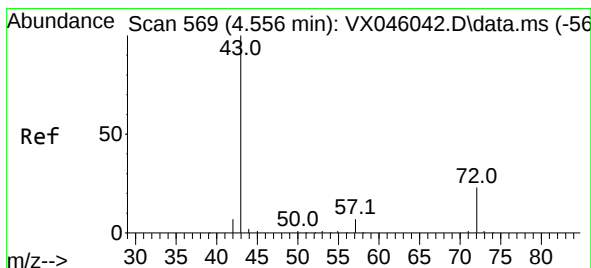
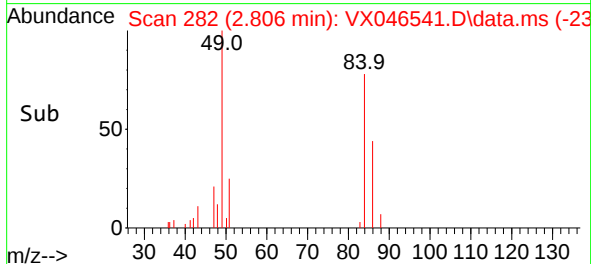
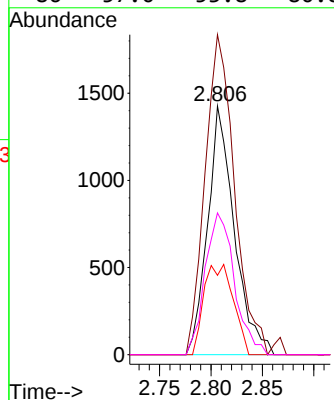
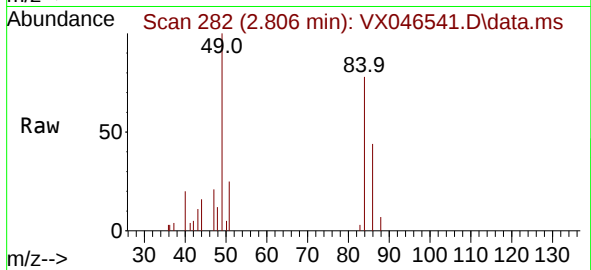




#20
Methylene Chloride
Concen: 1.548 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

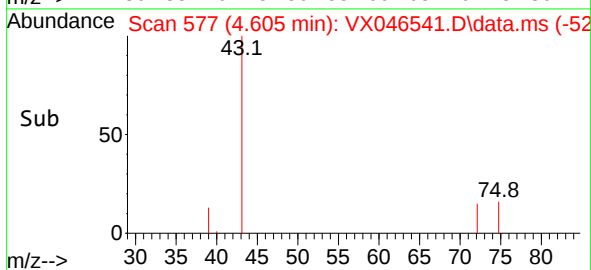
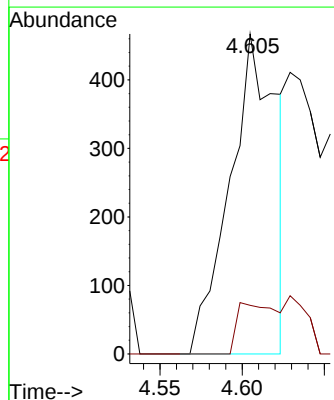
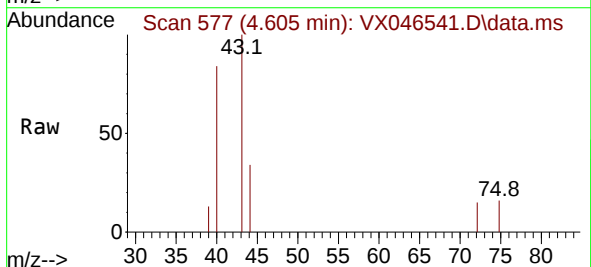
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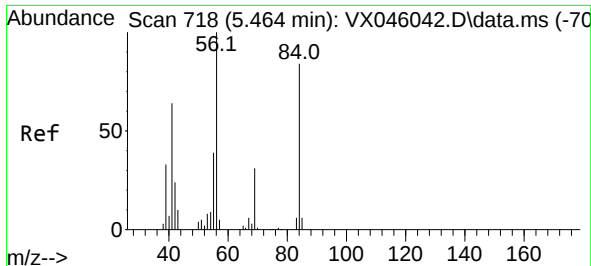
Tgt Ion:	84	Resp:	2582
Ion	Ratio	Lower	Upper
84	100		
49	128.7	113.9	170.9
51	31.9	33.5	50.3#
86	57.0	53.8	80.8



#25
2-Butanone
Concen: 0.788 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.031 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Tgt Ion:	43	Resp:	912
Ion	Ratio	Lower	Upper
43	100		
72	15.2	18.4	27.6#

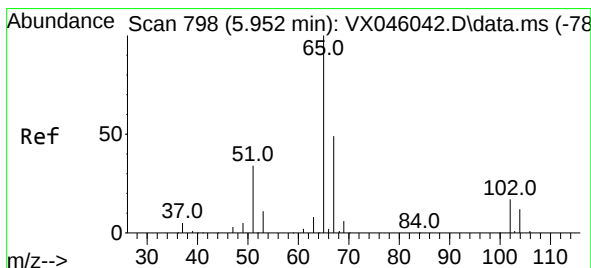
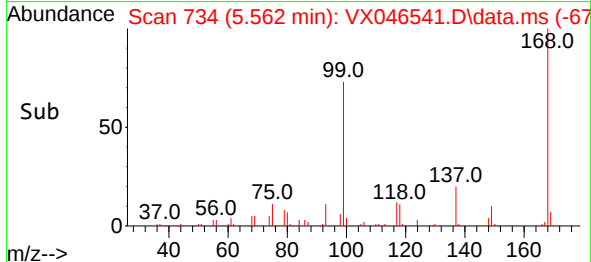
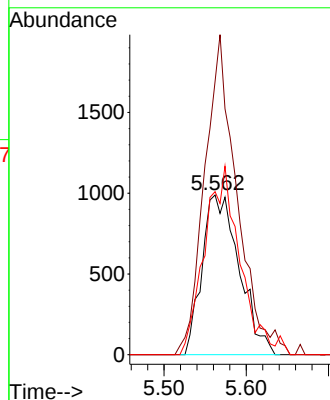
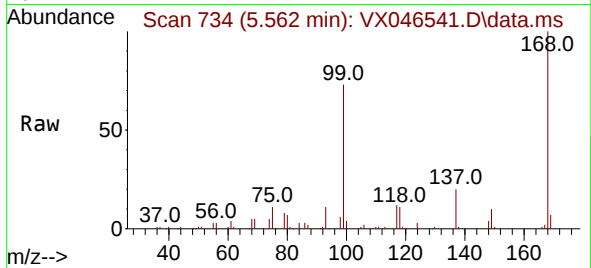




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

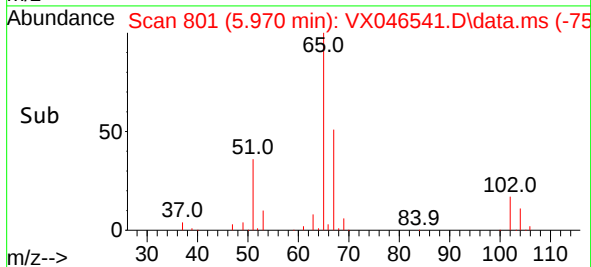
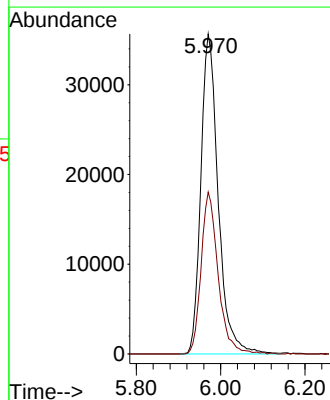
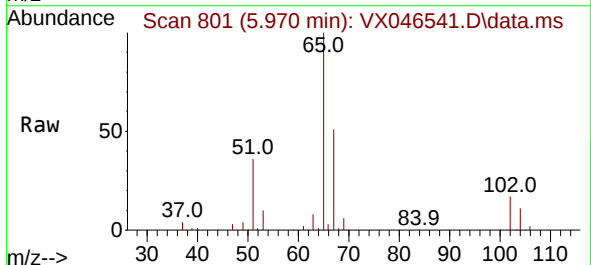
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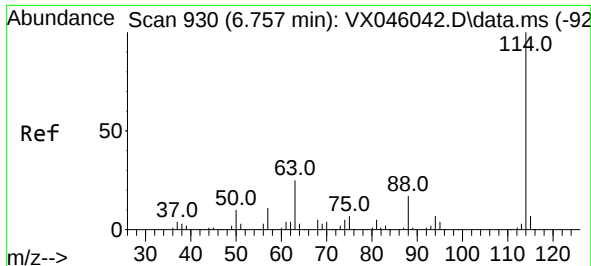
Tgt Ion: 56 Resp: 3115
Ion Ratio Lower Upper
56 100
69 165.5 24.4 36.6#
84 102.1 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 49.097 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Tgt Ion: 65 Resp: 102066
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

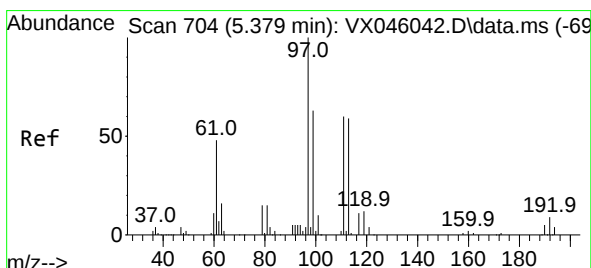
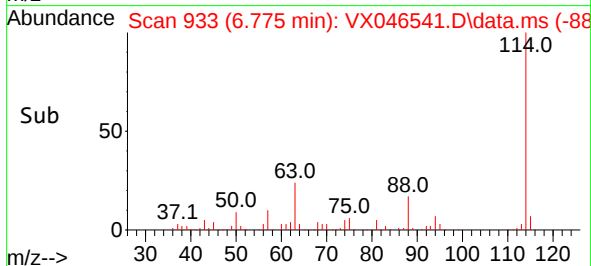
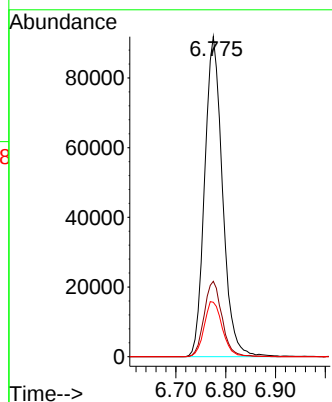
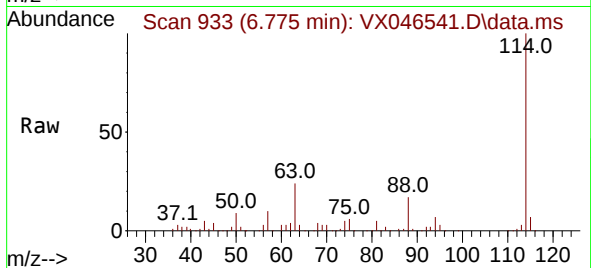




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VX046541.D
 Acq: 06 Jun 2025 20:20

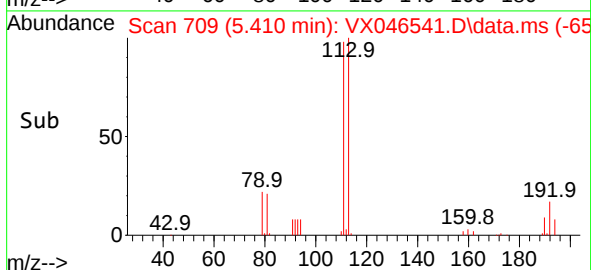
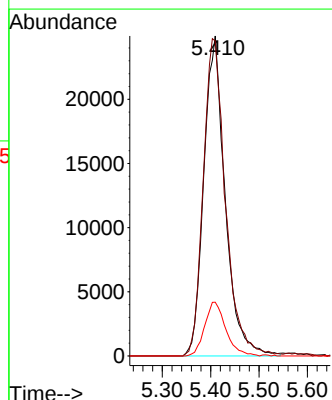
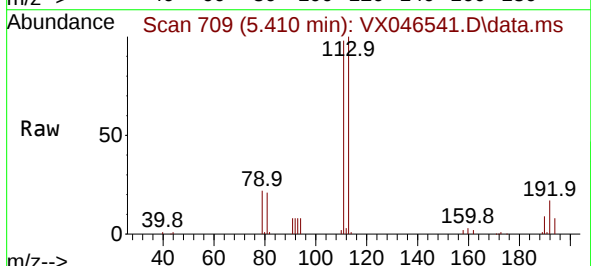
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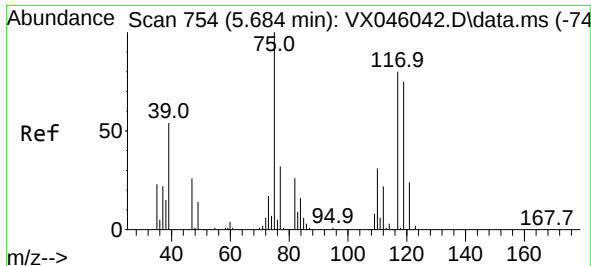
Tgt Ion:114 Resp: 228407
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 17.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 45.598 ug/l
 RT: 5.410 min Scan# 709
 Delta R.T. 0.007 min
 Lab File: VX046541.D
 Acq: 06 Jun 2025 20:20

Tgt Ion:113 Resp: 76590
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.1 124.7
 192 16.6 13.3 19.9

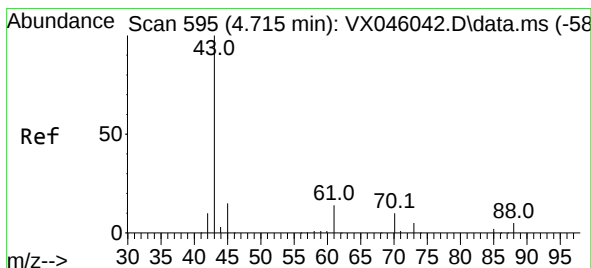
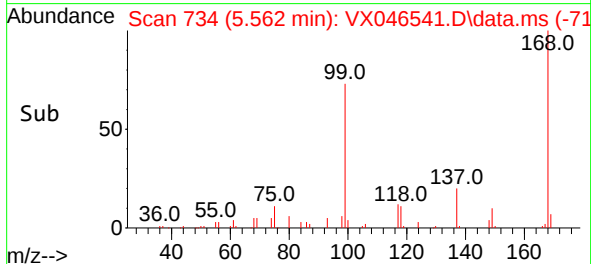
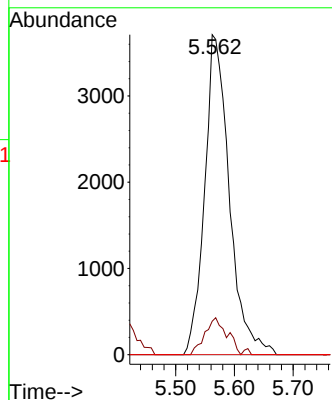
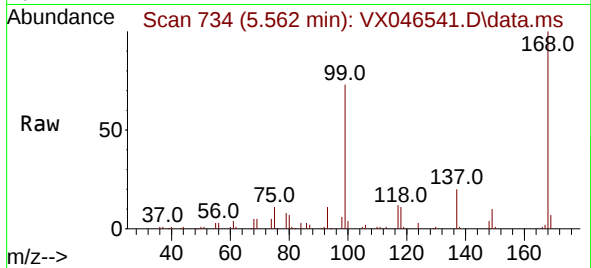




#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

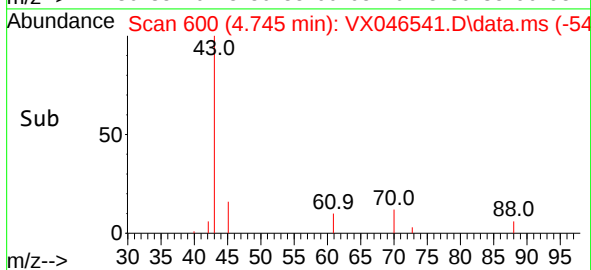
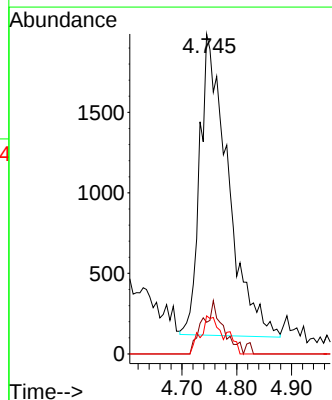
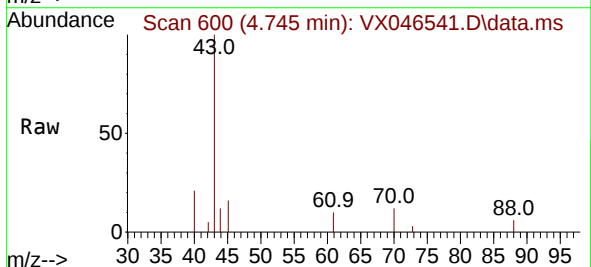
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-08

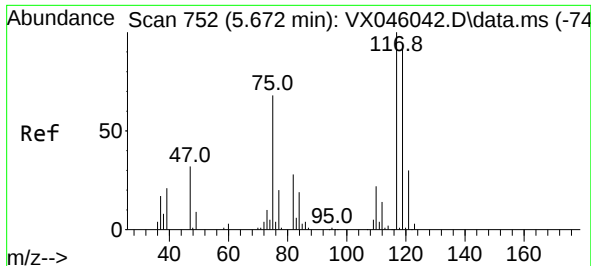
Tgt Ion: 75 Resp: 10870
Ion Ratio Lower Upper
75 100
110 10.3 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.856 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

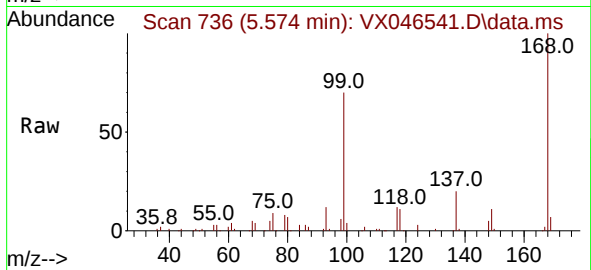
Tgt Ion: 43 Resp: 6688
Ion Ratio Lower Upper
43 100
61 12.6 10.3 15.5
70 8.2 7.9 11.9



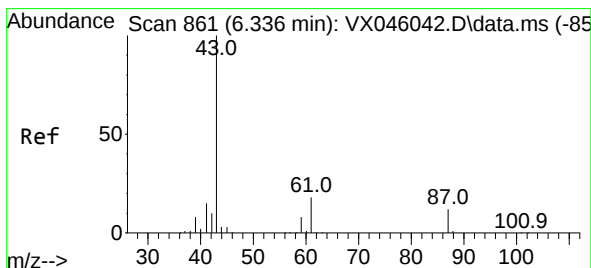
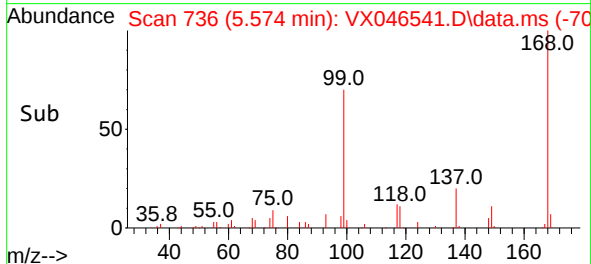
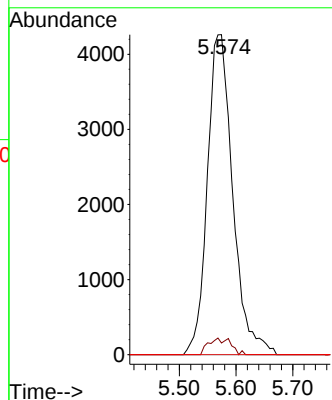


#38
Carbon Tetrachloride
Concen: 4.939 ug/l
RT: 5.574 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-08

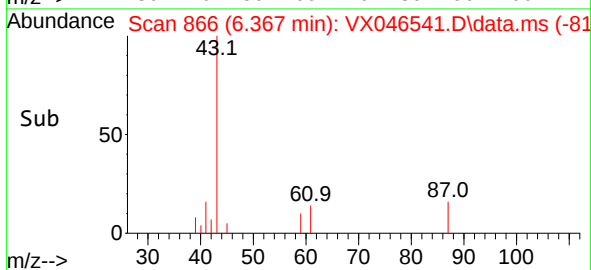
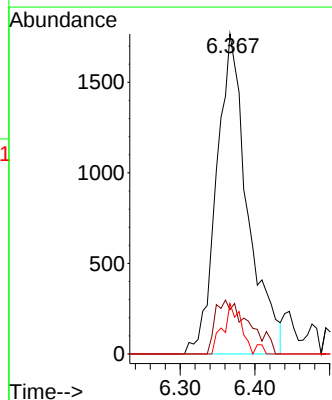
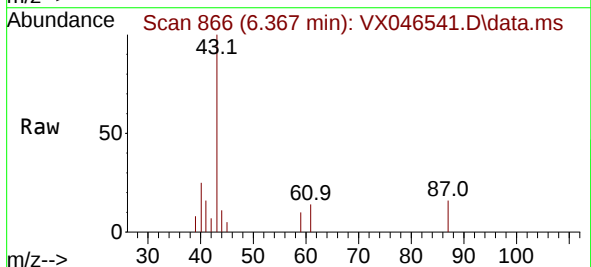


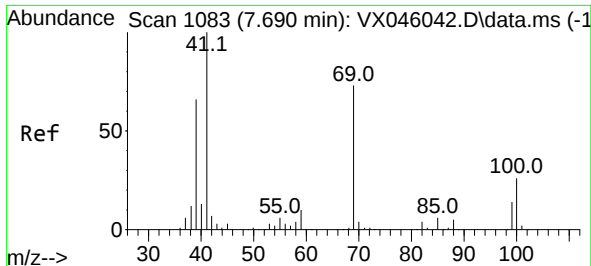
Tgt Ion:117 Resp: 13274
Ion Ratio Lower Upper
117 100
119 3.7 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.249 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.013 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Tgt Ion: 43 Resp: 5097
Ion Ratio Lower Upper
43 100
61 18.3 14.3 21.5
87 9.1 9.5 14.3#

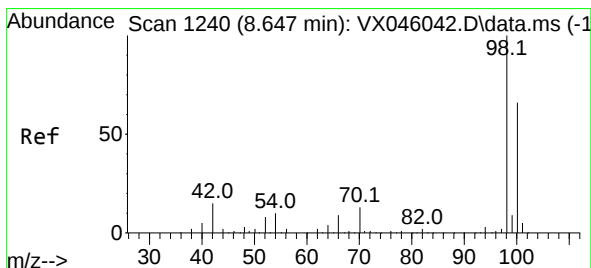
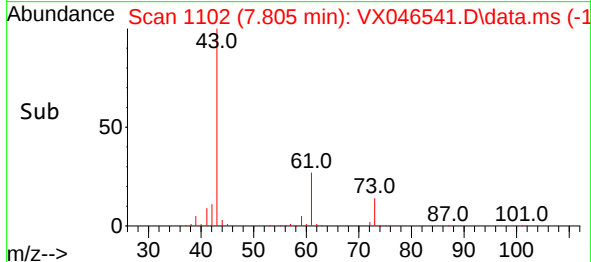
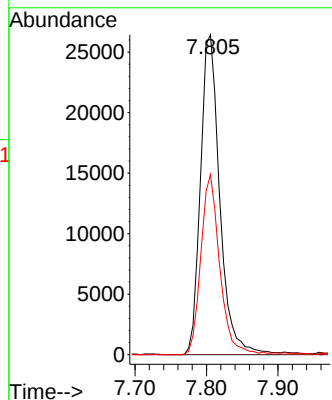
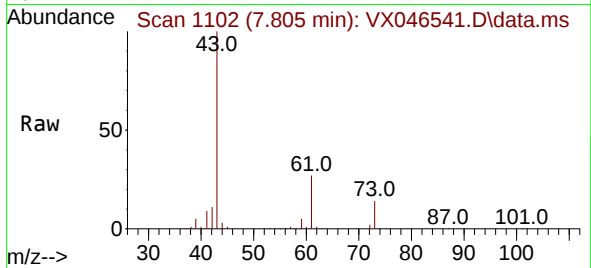




#48
Methyl methacrylate
Concen: 23.604 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

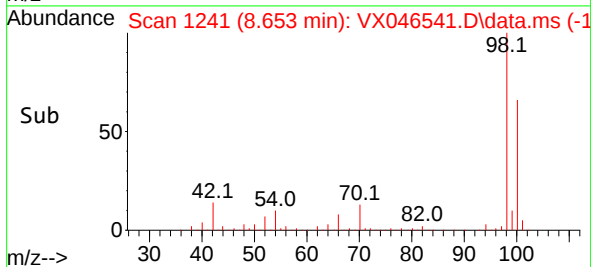
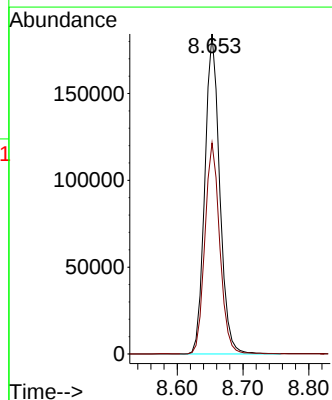
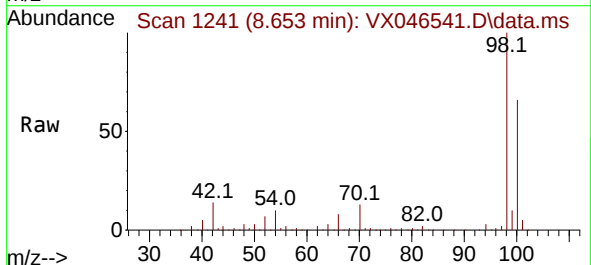
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-08

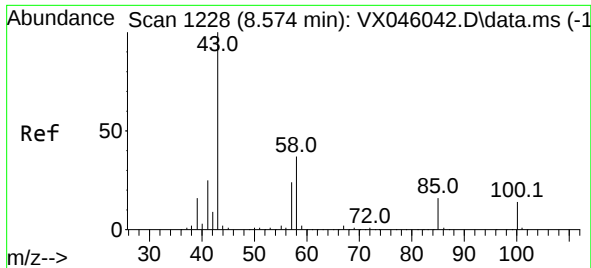
Tgt Ion: 41 Resp: 49579
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.1 51.7 77.5



#50
Toluene-d8
Concen: 52.314 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Tgt Ion: 98 Resp: 289700
Ion Ratio Lower Upper
98 100
100 66.1 53.5 80.3

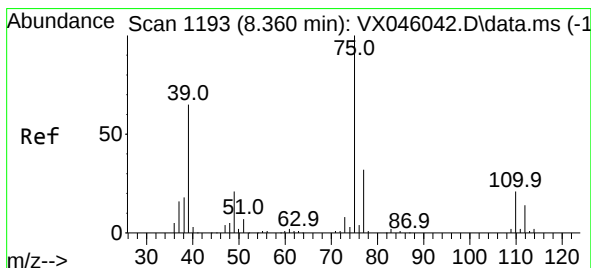
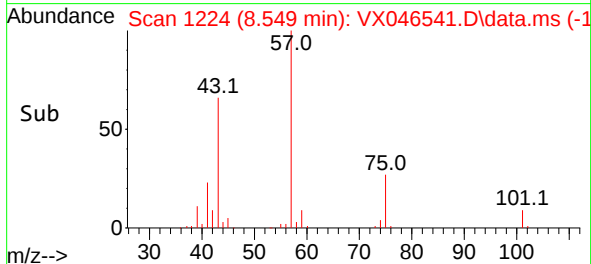
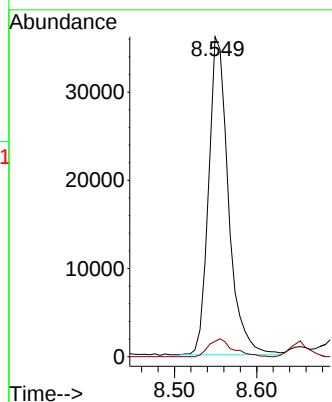
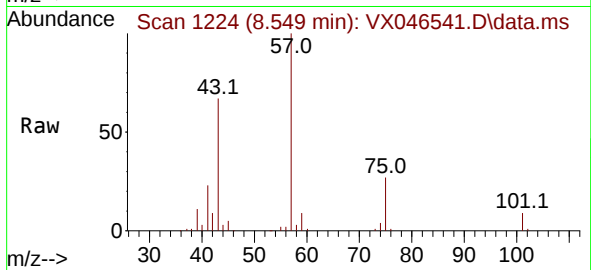




#51
4-Methyl-2-Pentanone
Concen: 23.314 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

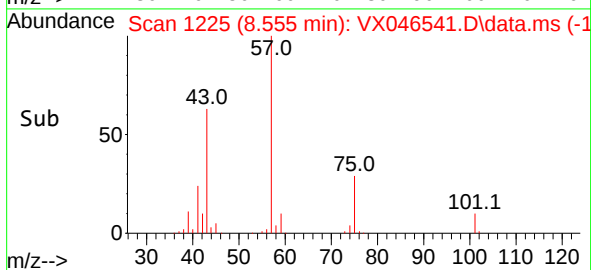
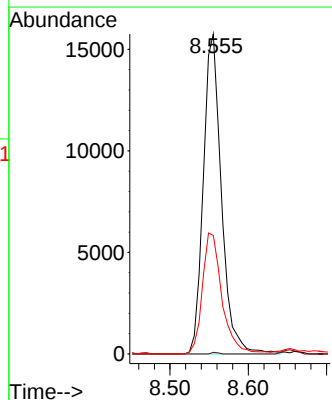
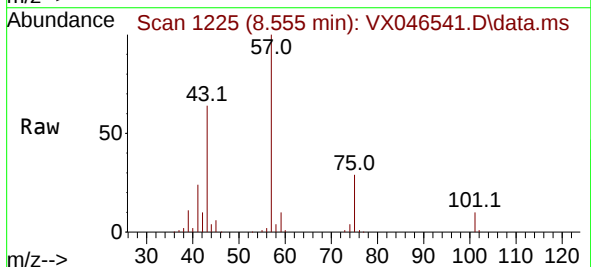
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-08

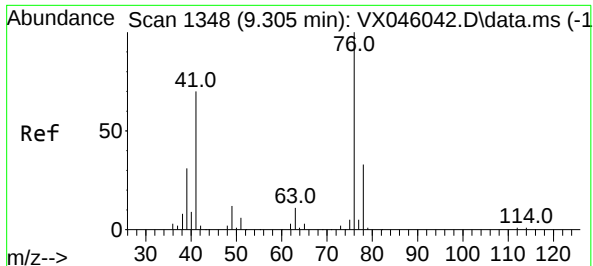
Tgt Ion: 43 Resp: 60481
Ion Ratio Lower Upper
43 100
58 6.8 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 9.412 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Tgt Ion: 75 Resp: 25305
Ion Ratio Lower Upper
75 100
77 0.5 25.4 38.0#
39 37.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.607 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX046541.D

Acq: 06 Jun 2025 20:20

Instrument :

MSVOA_X

ClientSampleId :

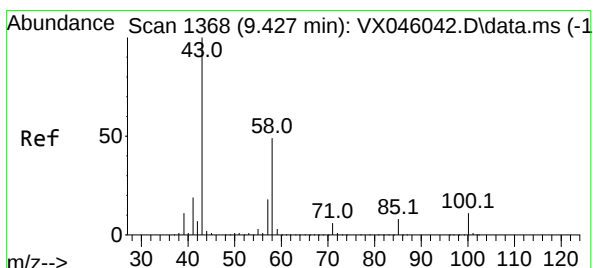
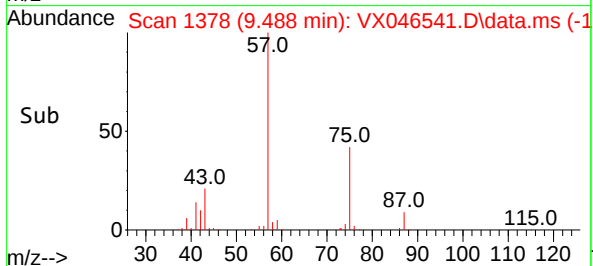
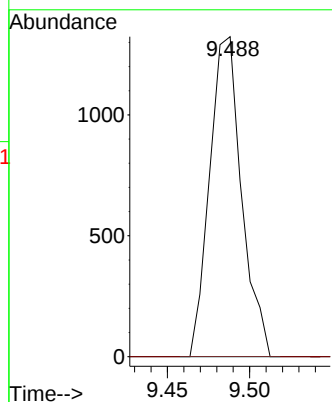
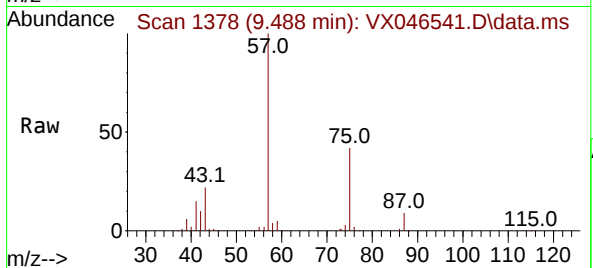
BU-703-COMP-08

Tgt Ion: 76 Resp: 1788

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 4.096 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX046541.D

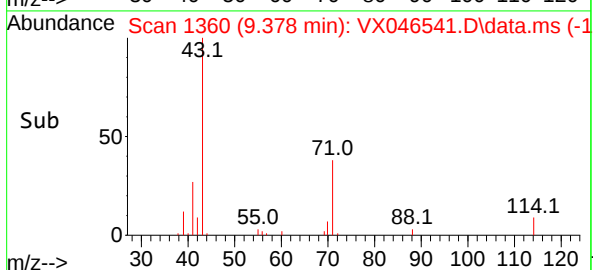
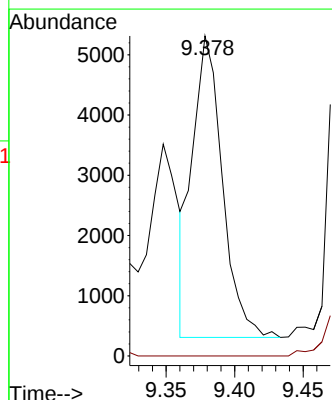
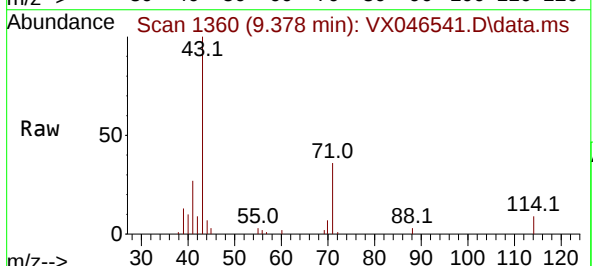
Acq: 06 Jun 2025 20:20

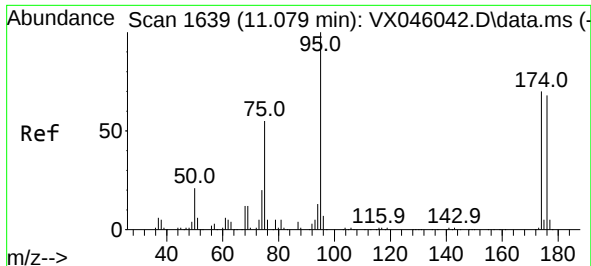
Tgt Ion: 43 Resp: 7621

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

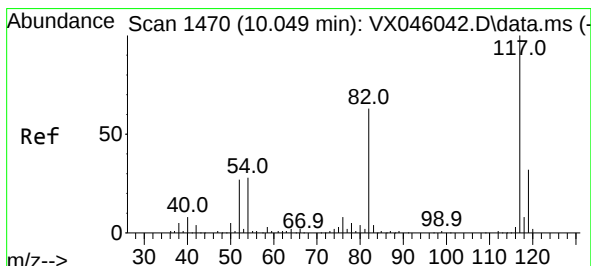
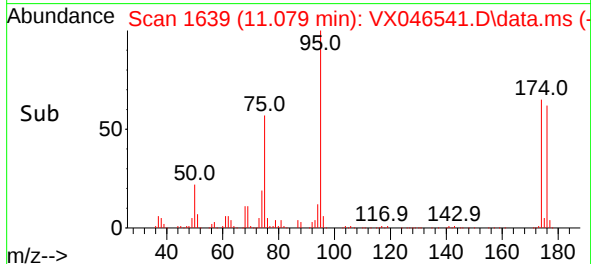
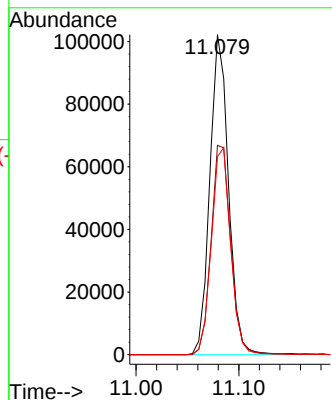
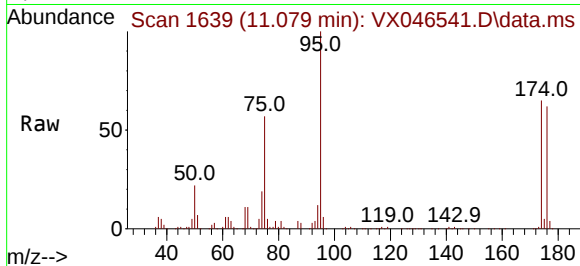




#62
4-Bromofluorobenzene
Concen: 56.051 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

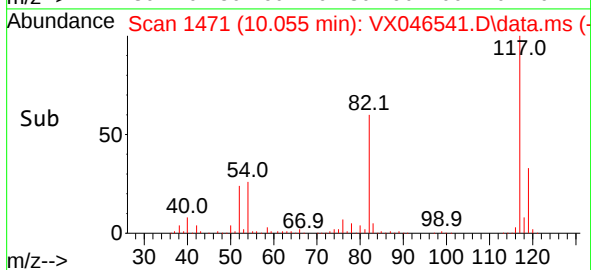
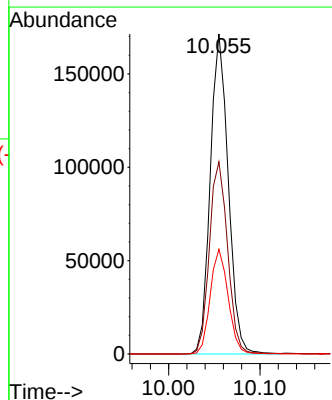
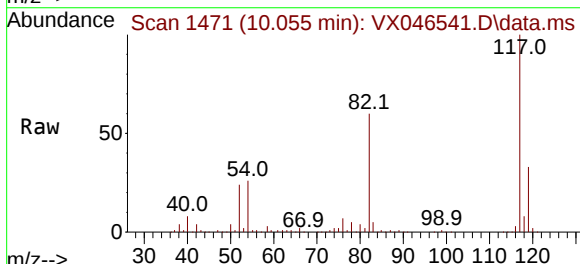
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-08

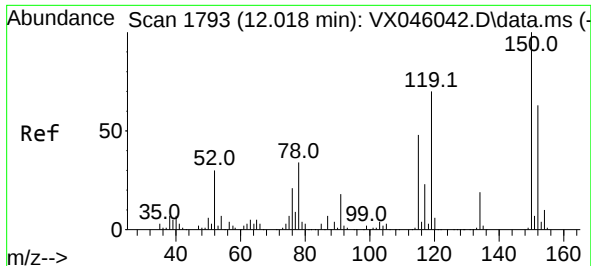
Tgt Ion: 95 Resp: 128426
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.8
176 67.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046541.D
Acq: 06 Jun 2025 20:20

Tgt Ion: 117 Resp: 234414
Ion Ratio Lower Upper
117 100
82 60.1 50.6 76.0
119 32.7 25.8 38.6

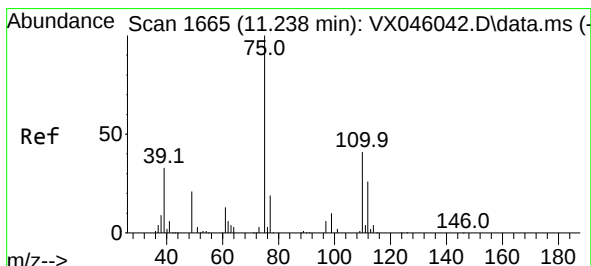
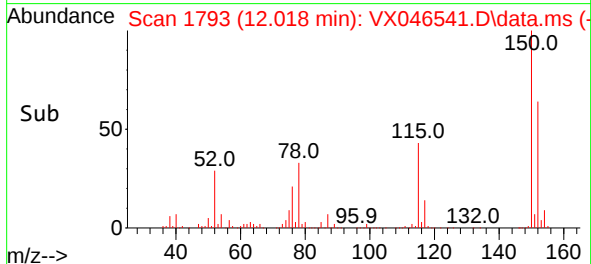
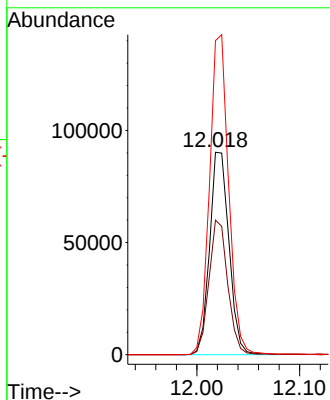
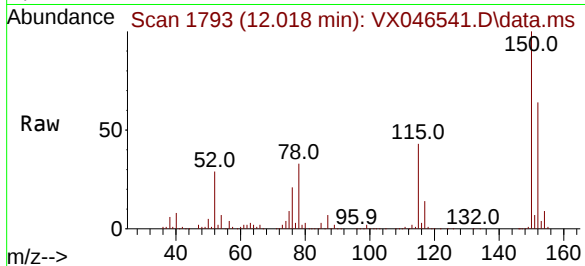




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046541.D
 Acq: 06 Jun 2025 20:20

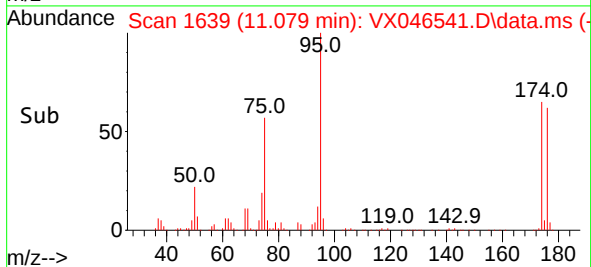
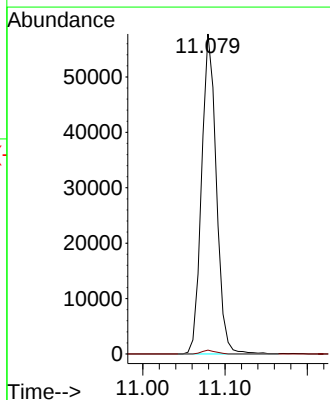
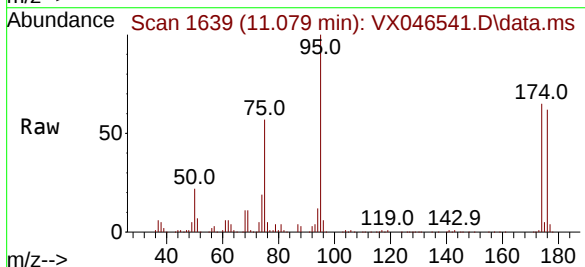
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-08

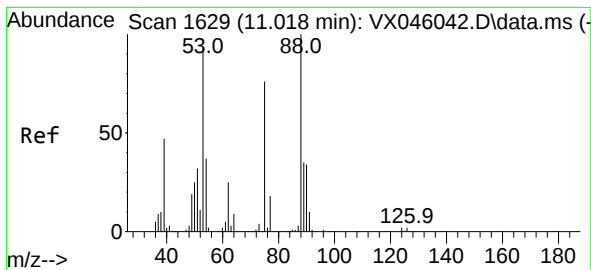
Tgt Ion:152 Resp: 118469
 Ion Ratio Lower Upper
 152 100
 115 64.9 46.9 140.7
 150 156.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.844 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046541.D
 Acq: 06 Jun 2025 20:20

Tgt Ion: 75 Resp: 72379
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.204 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046541.D
 Acq: 06 Jun 2025 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-08

Tgt Ion: 75 Resp: 72379
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.1 37.0 55.6#

