

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046539.D
 Acq On : 06 Jun 2025 19:35
 Operator : JC/MD
 Sample : Q2208-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-06

Quant Time: Jun 06 23:26:14 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

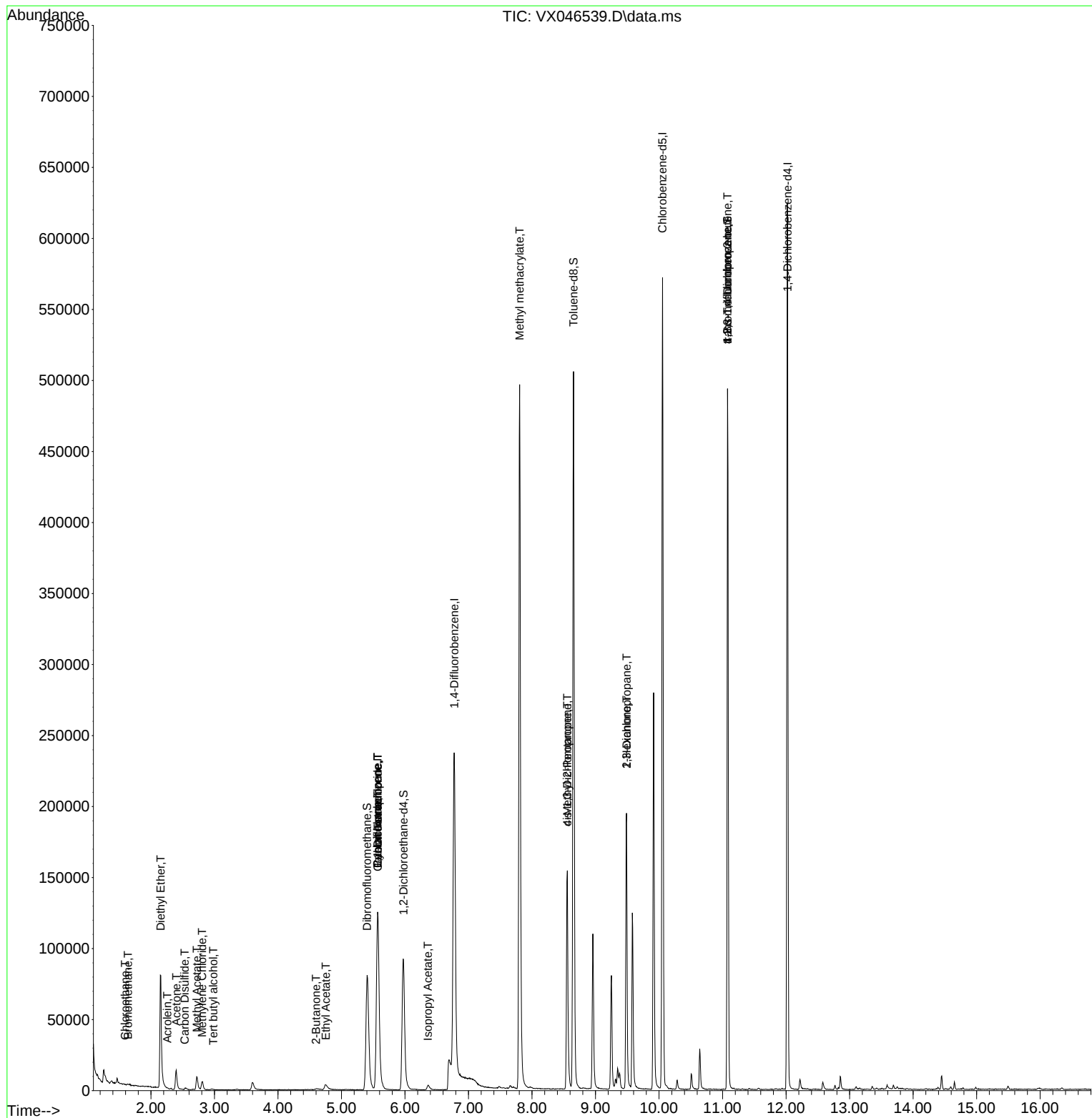
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	115409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	229513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.977	65	102313	49.830	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.660%	
35) Dibromofluoromethane	5.404	113	75002	44.437	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	88.880%	
50) Toluene-d8	8.653	98	289604	52.044	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	104.080%	
62) 4-Bromofluorobenzene	11.079	95	132218	57.428	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	114.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	295	0.334	ug/l	95
6) Chloroethane	1.593	64	450	0.477	ug/l	95
8) Diethyl Ether	2.154	74	31878	37.509	ug/l	94
11) Tert butyl alcohol	2.983	59	107	0.470	ug/l #	72
13) Acrolein	2.258	56	72	30.236	ug/l #	1
16) Acetone	2.398	43	17068	25.374	ug/l	100
17) Carbon Disulfide	2.532	76	297	0.304	ug/l #	76
18) Methyl Acetate	2.721	43	12831	5.246	ug/l	100
20) Methylene Chloride	2.806	84	2848	1.729	ug/l #	88
25) 2-Butanone	4.599	43	2104	1.841	ug/l #	75
31) Cyclohexane	5.568	56	3037	1.272	ug/l #	27
36) 1,1-Dichloropropene	5.568	75	11300	4.687	ug/l #	53
37) Ethyl Acetate	4.751	43	7381	3.137	ug/l	98
38) Carbon Tetrachloride	5.574	117	13826	5.120	ug/l #	15
43) Isopropyl Acetate	6.361	43	5109	1.245	ug/l	97
48) Methyl methacrylate	7.806	41	47907	22.698	ug/l #	48
51) 4-Methyl-2-Pentanone	8.555	43	59025	22.643	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	24596	9.105	ug/l #	57
57) 1,3-Dichloropropane	9.488	76	1776	0.600	ug/l #	42
59) 2-Hexanone	9.488	43	26565	14.209	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	72243	28.136	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	72243	81.162	ug/l #	1

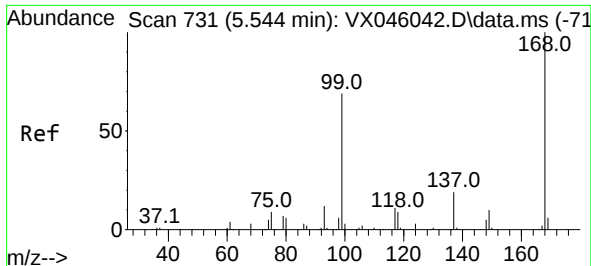
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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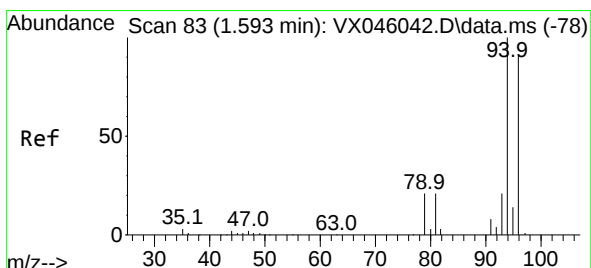
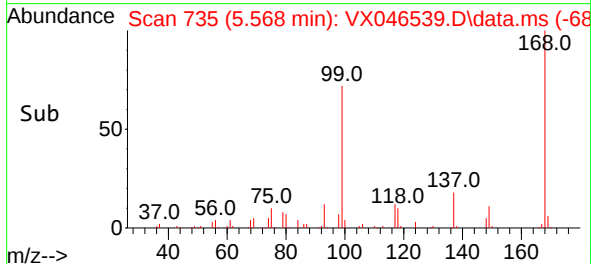
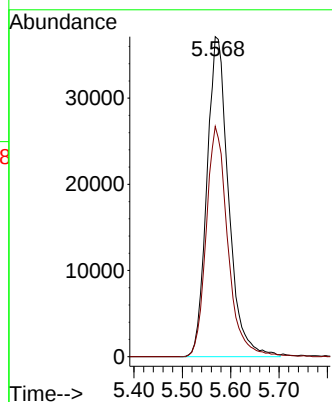
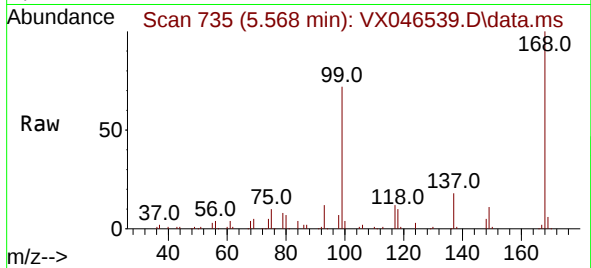




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

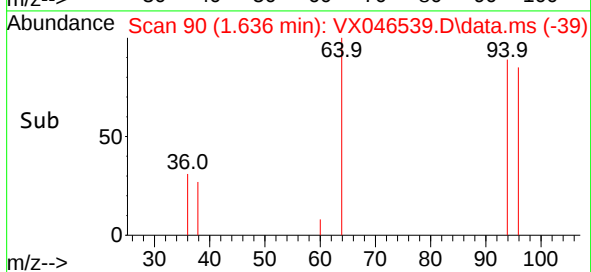
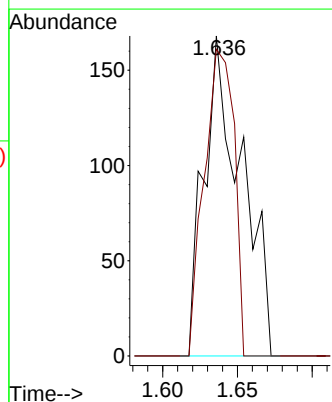
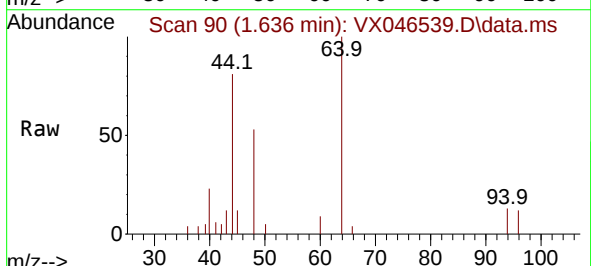
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

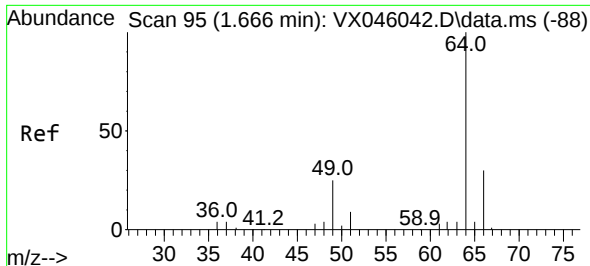
Tgt Ion:168 Resp: 115409
Ion Ratio Lower Upper
168 100
99 71.9 54.9 82.3



#5
Bromomethane
Concen: 0.334 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 94 Resp: 295
Ion Ratio Lower Upper
94 100
96 95.8 72.8 109.2

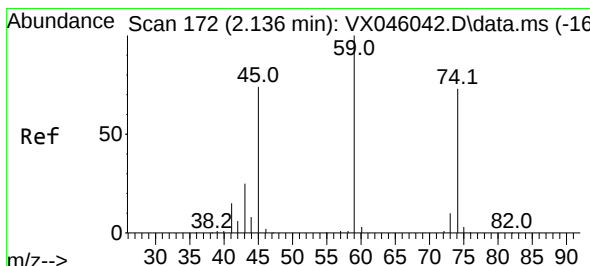
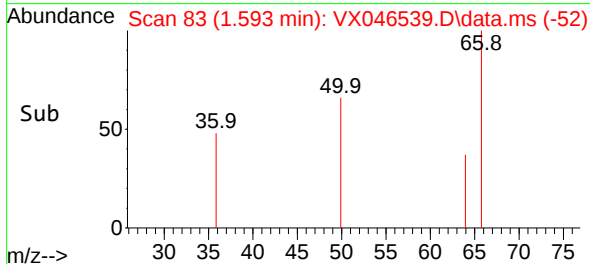
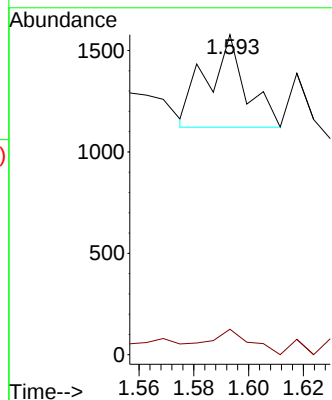
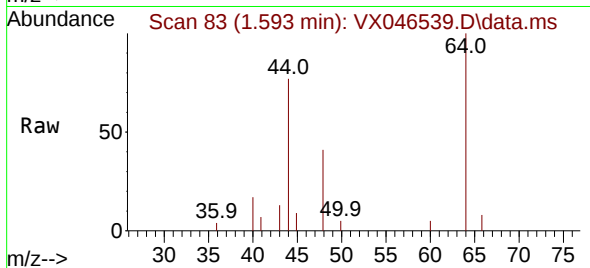




#6
Chloroethane
Concen: 0.477 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.110 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

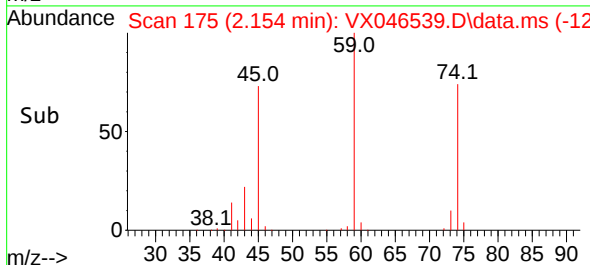
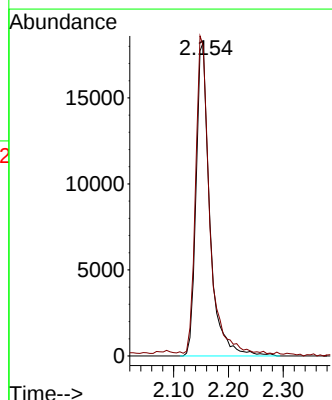
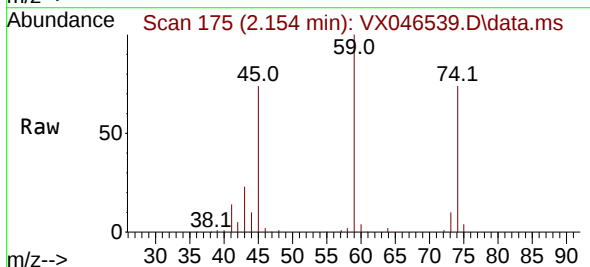
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

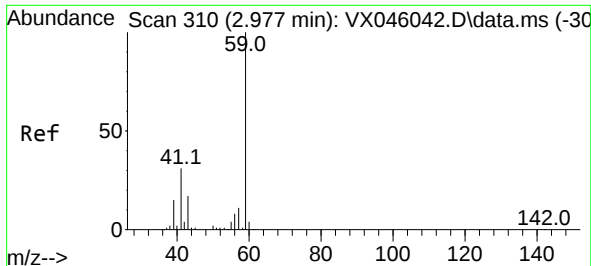
Tgt Ion: 64 Resp: 450
Ion Ratio Lower Upper
64 100
66 27.6 24.3 36.5



#8
Diethyl Ether
Concen: 37.509 ug/l
RT: 2.154 min Scan# 175
Delta R.T. 0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 74 Resp: 31878
Ion Ratio Lower Upper
74 100
45 103.2 54.9 164.8

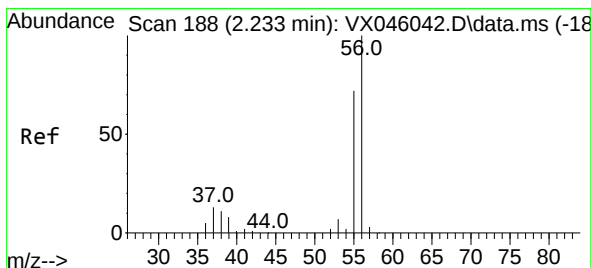
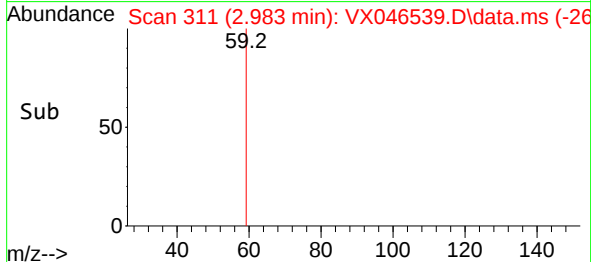
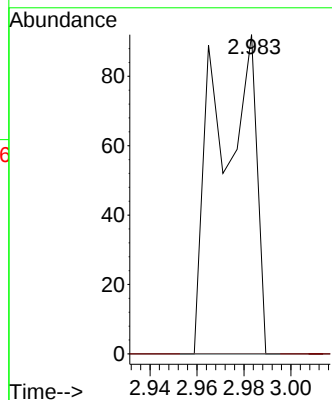
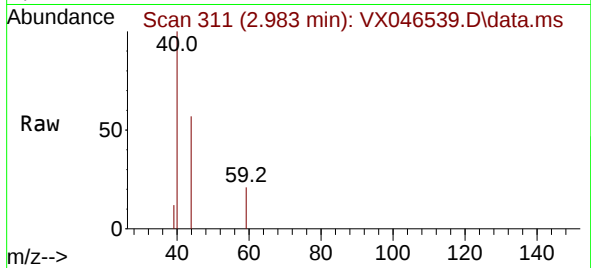




#11
Tert butyl alcohol
Concen: 0.470 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

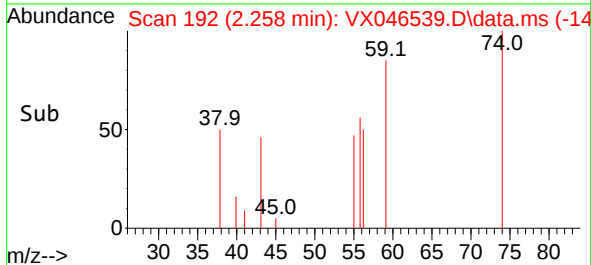
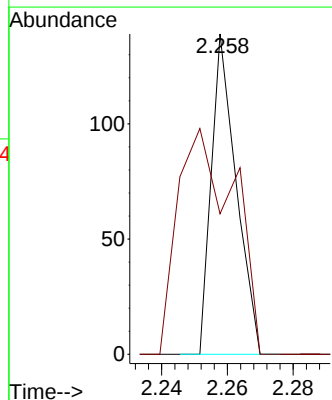
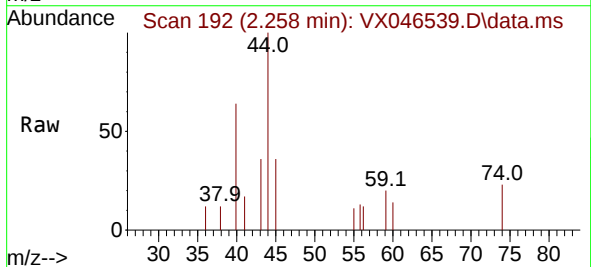
Instrument :
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ClientSampleId :
BU-703-COMP-06

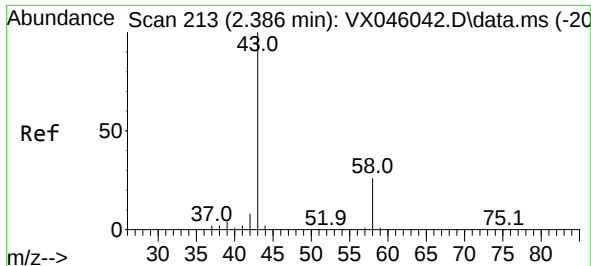
Tgt Ion: 59 Resp: 107
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 30.236 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.007 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 161.1 56.2 84.4#

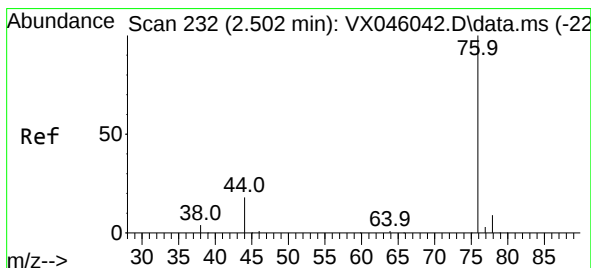
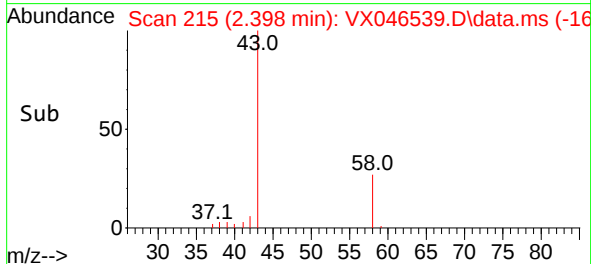
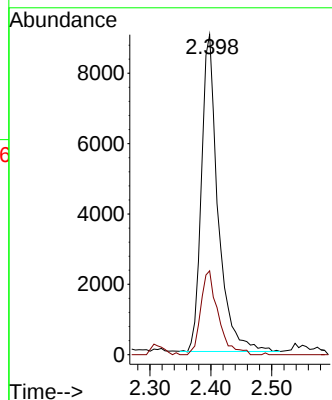
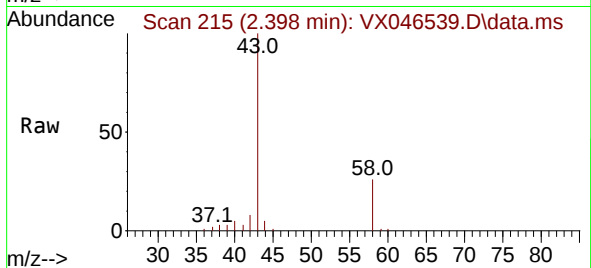




#16
Acetone
Concen: 25.374 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

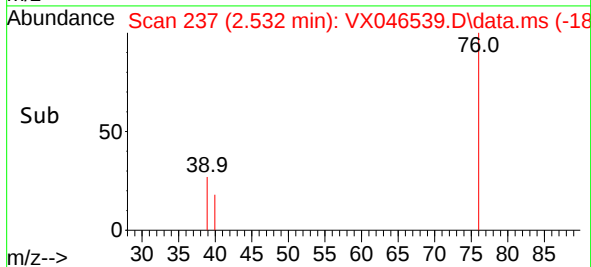
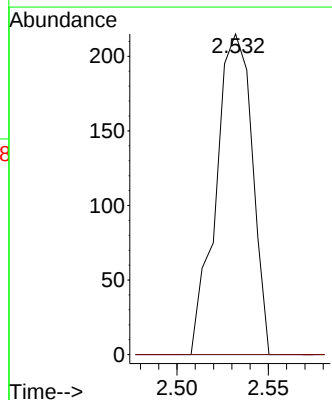
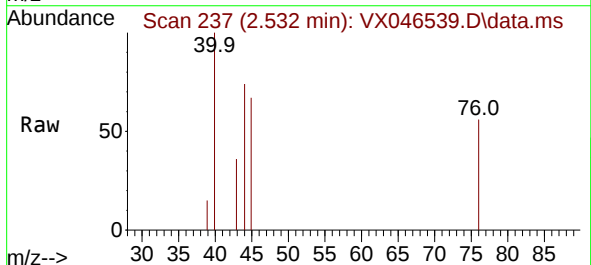
Instrument :
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ClientSampleId :
BU-703-COMP-06

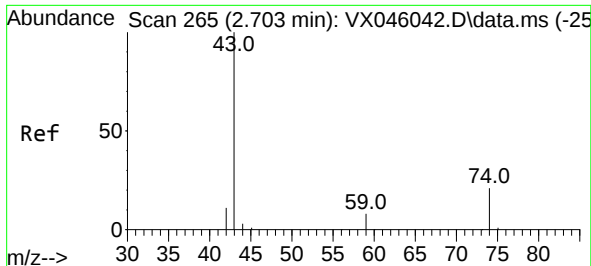
Tgt Ion: 43 Resp: 17068
Ion Ratio Lower Upper
43 100
58 26.5 21.2 31.8



#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 76 Resp: 297
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

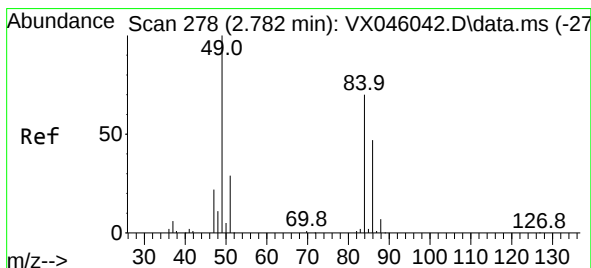
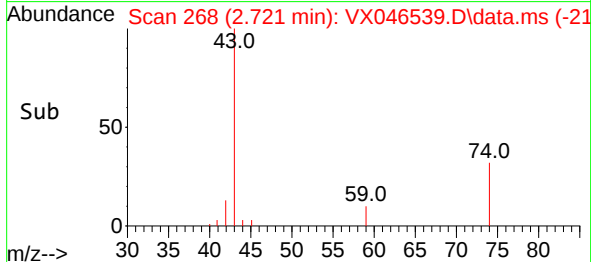
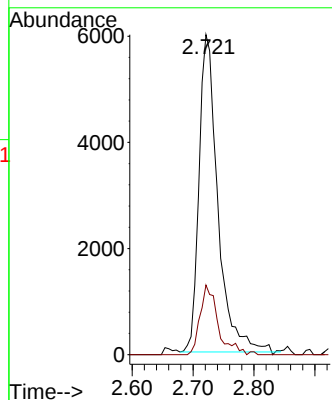
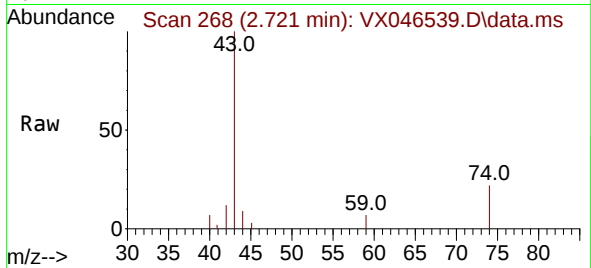




#18
Methyl Acetate
Concen: 5.246 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

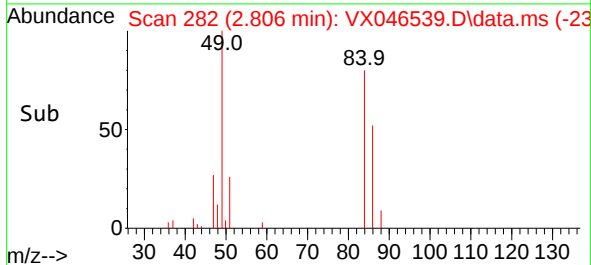
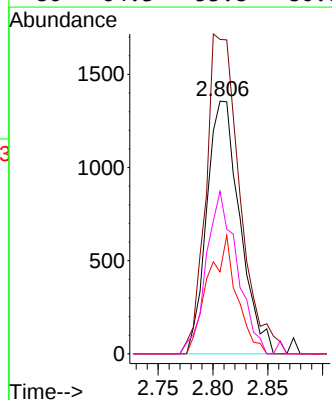
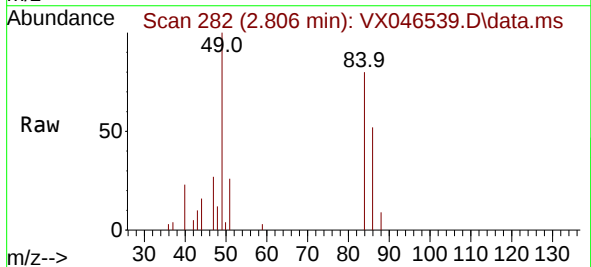
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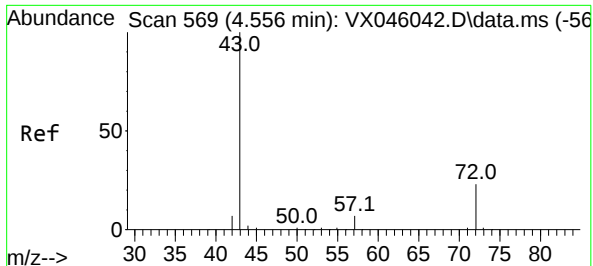
Tgt Ion: 43 Resp: 12831
Ion Ratio Lower Upper
43 100
74 21.0 16.7 25.1



#20
Methylene Chloride
Concen: 1.729 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 84 Resp: 2848
Ion Ratio Lower Upper
84 100
49 124.5 113.9 170.9
51 32.4 33.5 50.3#
86 64.3 53.8 80.8

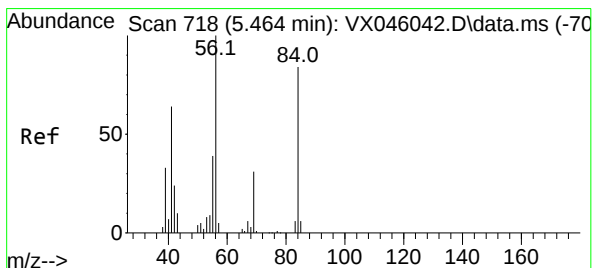
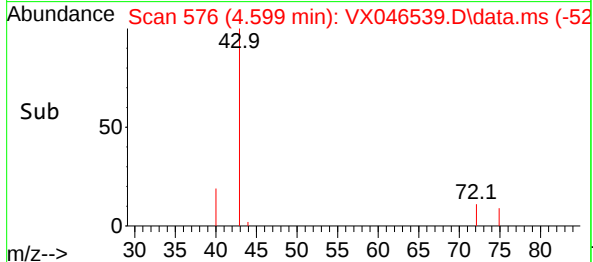
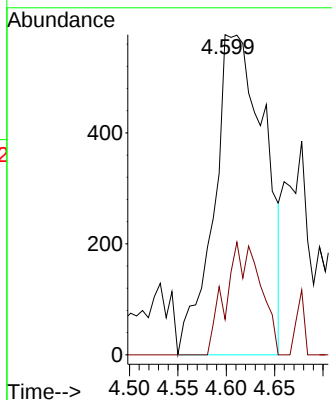
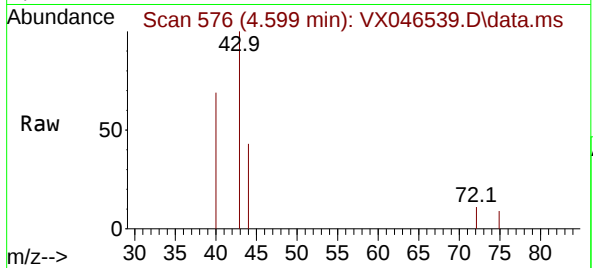




#25
2-Butanone
Concen: 1.841 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

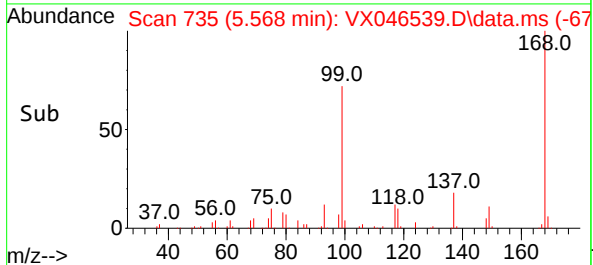
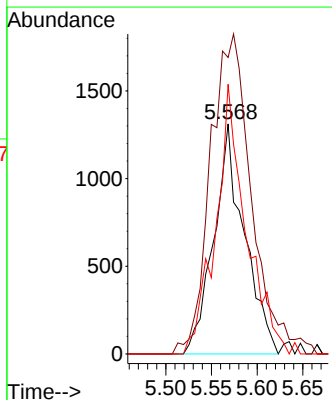
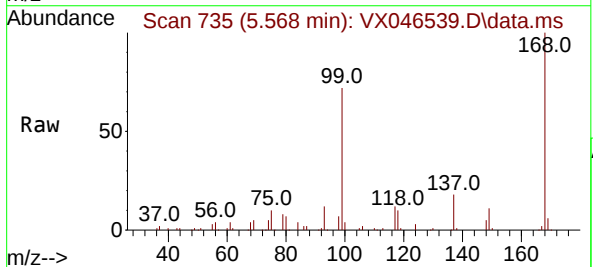
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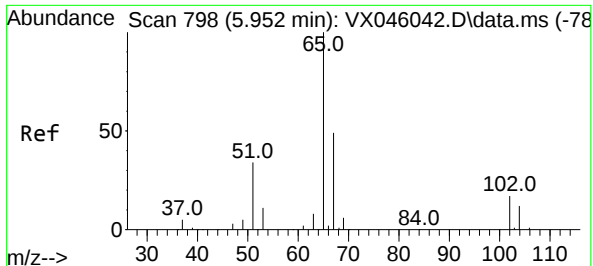
Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
72 11.1 18.4 27.6#



#31
Cyclohexane
Concen: 1.272 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.079 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 56 Resp: 3037
Ion Ratio Lower Upper
56 100
69 124.1 24.4 36.6#
84 117.2 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 49.830 ug/l

RT: 5.977 min Scan# 80

Delta R.T. 0.007 min

Lab File: VX046539.D

Acq: 06 Jun 2025 19:35

Instrument :

MSVOA_X

ClientSampleId :

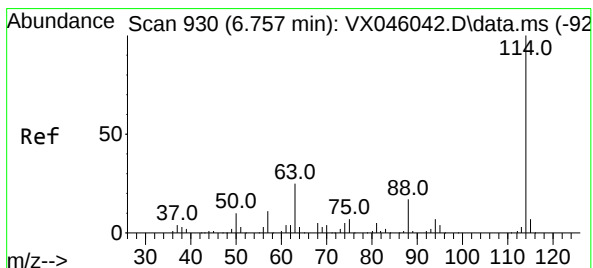
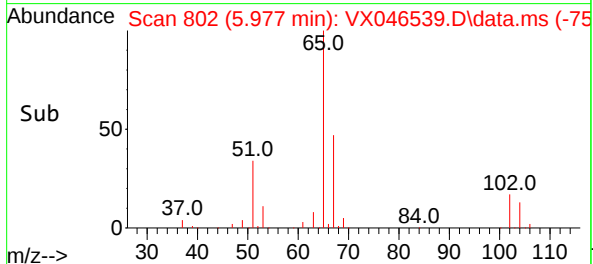
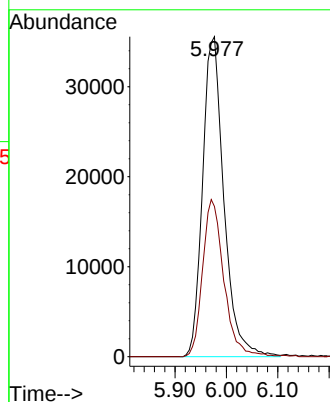
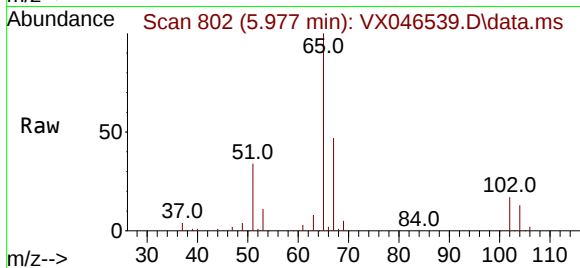
BU-703-COMP-06

Tgt Ion: 65 Resp: 102313

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: VX046539.D

Acq: 06 Jun 2025 19:35

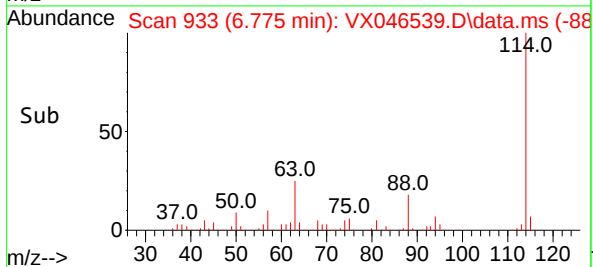
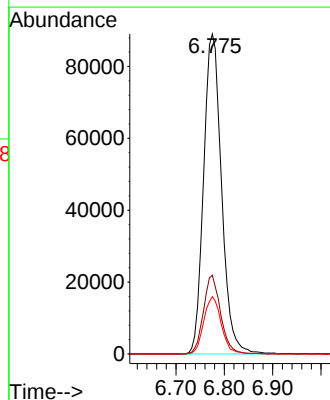
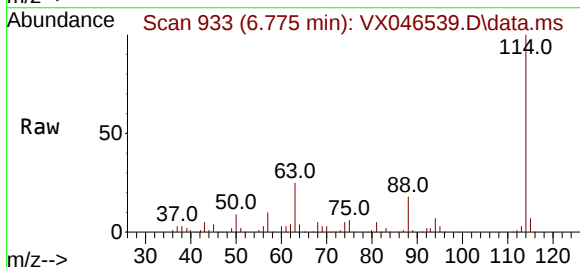
Tgt Ion: 114 Resp: 229513

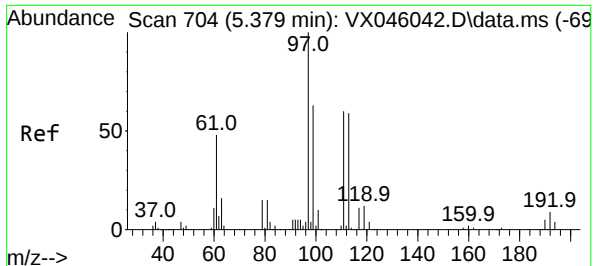
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 17.9 0.0 33.6

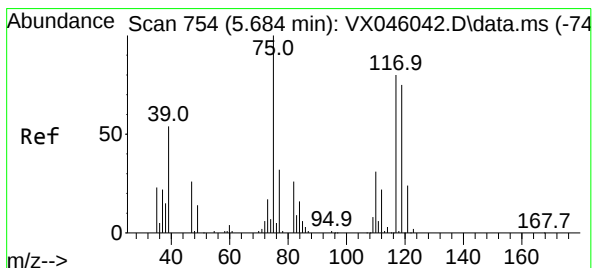
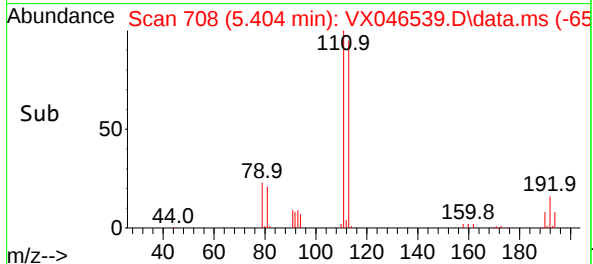
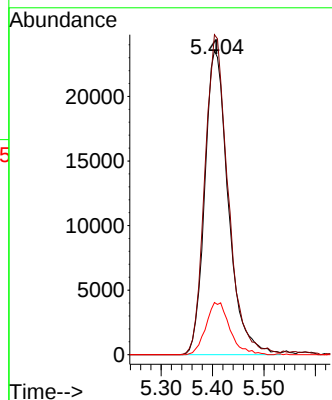
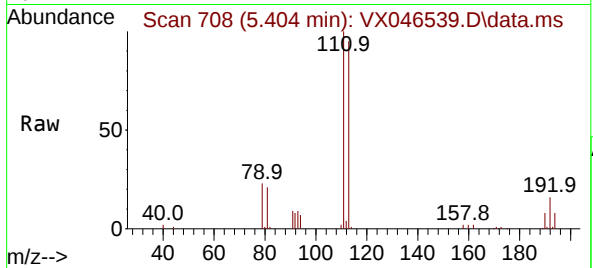




#35
Dibromofluoromethane
Concen: 44.437 ug/l
RT: 5.404 min Scan# 704
Delta R.T. 0.001 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

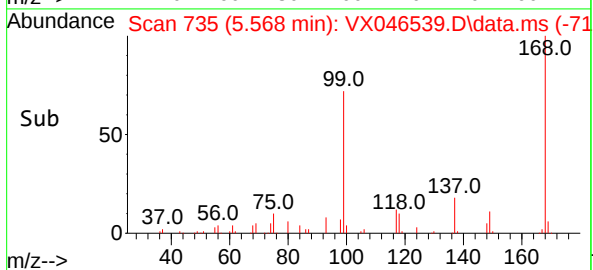
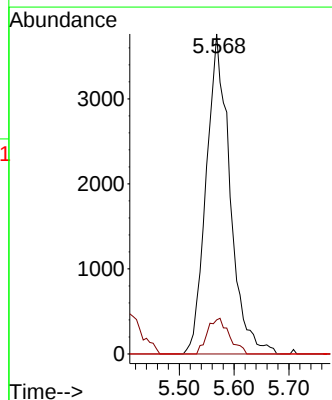
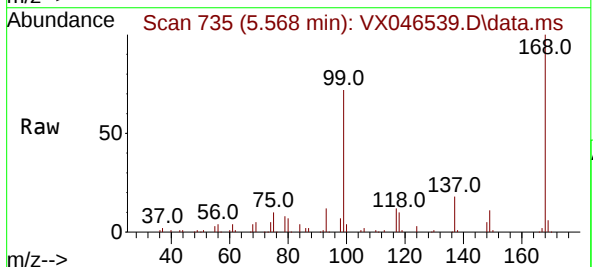
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

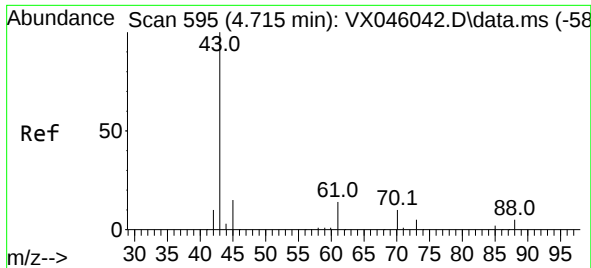
Tgt Ion:113 Resp: 75002
Ion Ratio Lower Upper
113 100
111 104.3 83.1 124.7
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.687 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 75 Resp: 11300
Ion Ratio Lower Upper
75 100
110 10.2 16.3 48.9#
77 0.0 24.3 36.5#

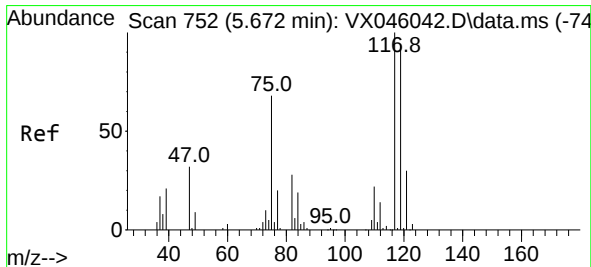
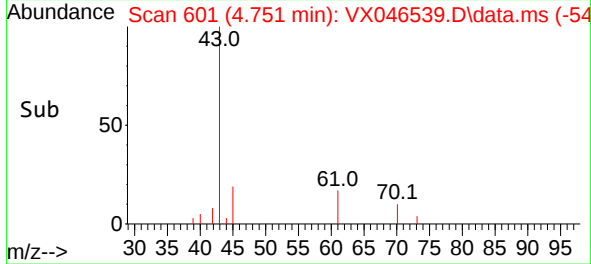
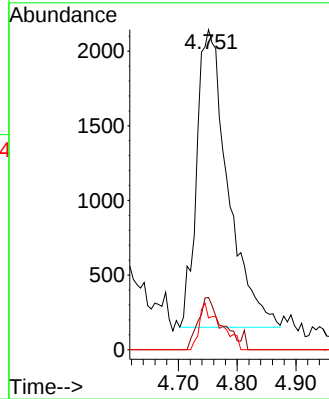
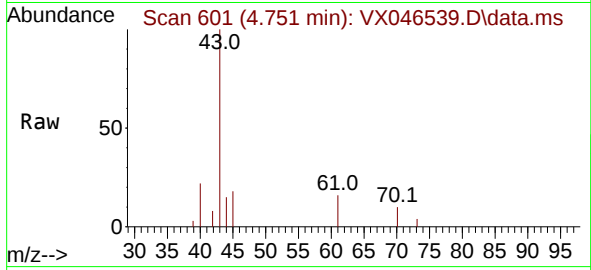




#37
Ethyl Acetate
Concen: 3.137 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

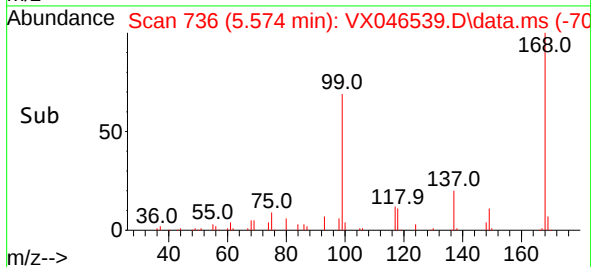
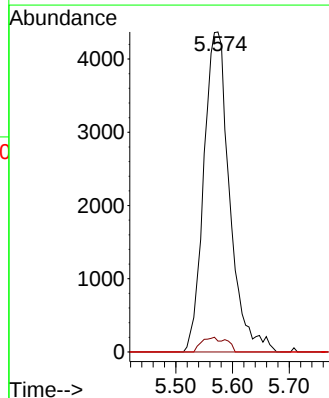
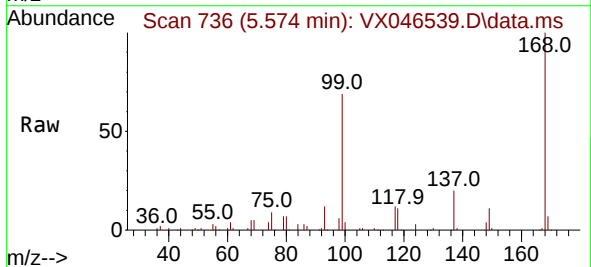
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

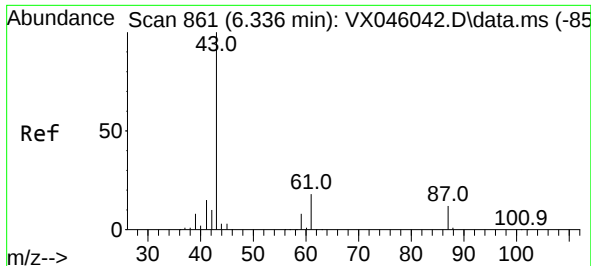
Tgt Ion:	43	Resp:	7381
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.3	15.5
70	10.4	7.9	11.9



#38
Carbon Tetrachloride
Concen: 5.120 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.122 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion:	117	Resp:	13826
Ion	Ratio	Lower	Upper
117	100		
119	3.4	75.2	112.8#
121	0.0	24.2	36.4#

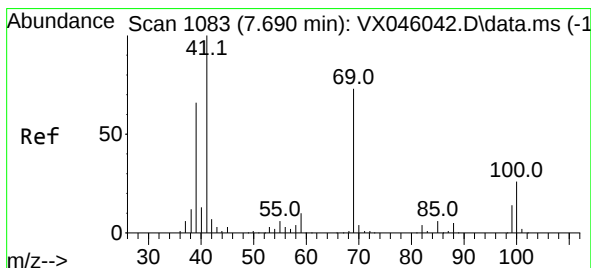
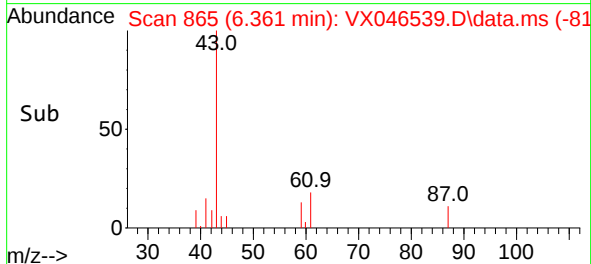
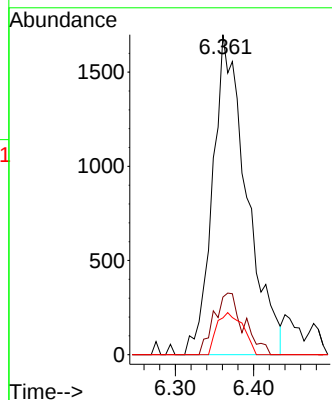
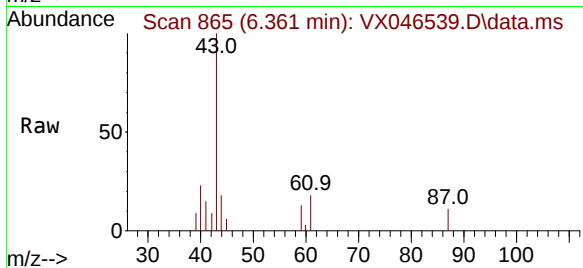




#43
Isopropyl Acetate
Concen: 1.245 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

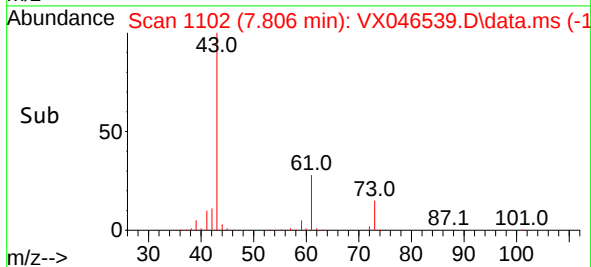
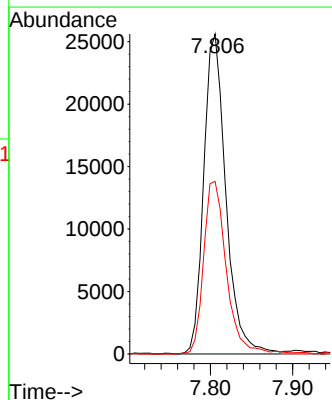
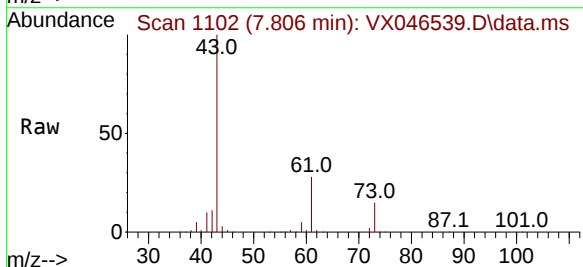
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

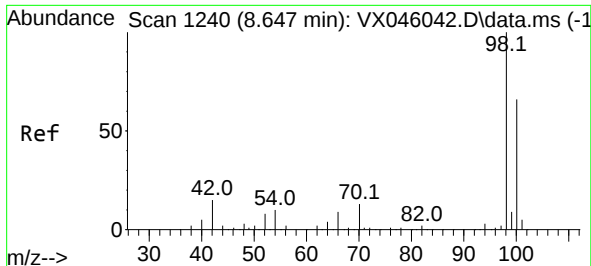
Tgt Ion: 43 Resp: 5109
Ion Ratio Lower Upper
43 100
61 16.8 14.3 21.5
87 10.1 9.5 14.3



#48
Methyl methacrylate
Concen: 22.698 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 41 Resp: 47907
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.5 51.7 77.5

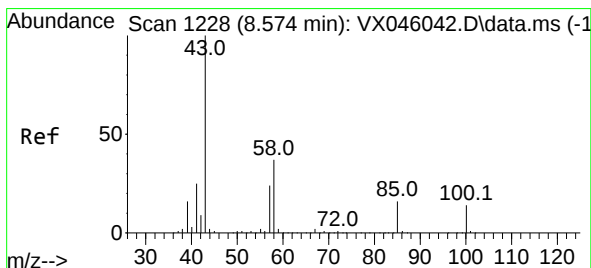
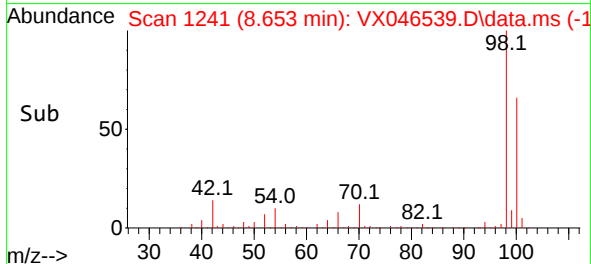
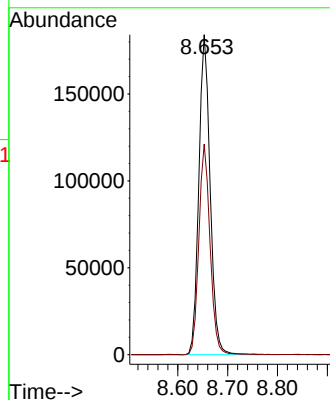
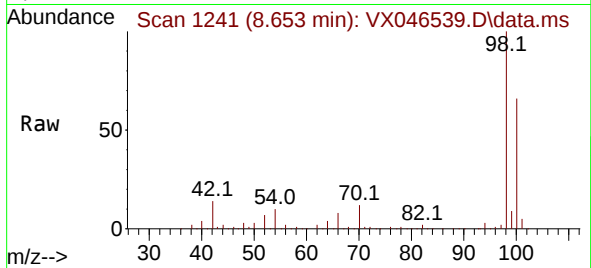




#50
Toluene-d8
Concen: 52.044 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

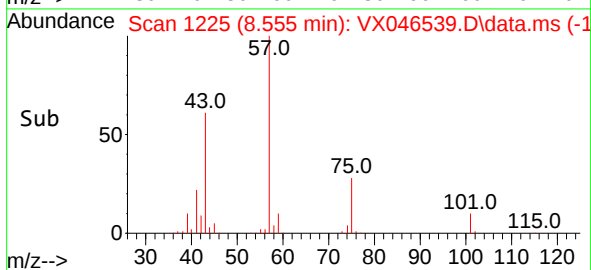
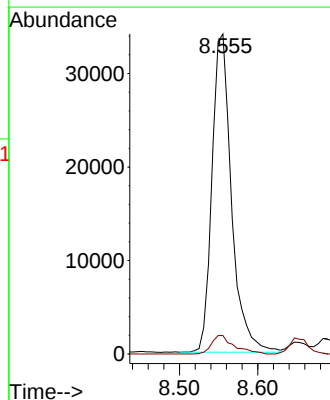
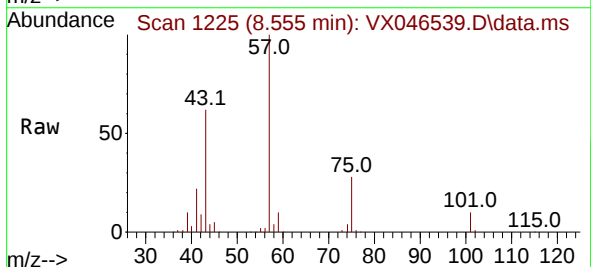
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

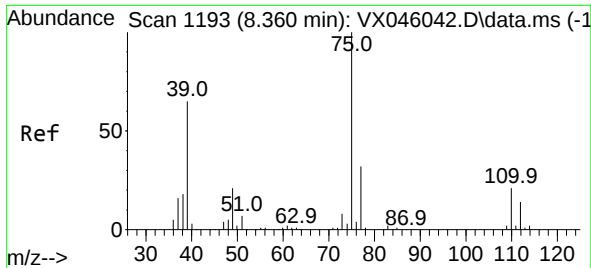
Tgt Ion: 98 Resp: 289604
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 22.643 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.018 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 43 Resp: 59025
Ion Ratio Lower Upper
43 100
58 6.7 28.9 43.3#

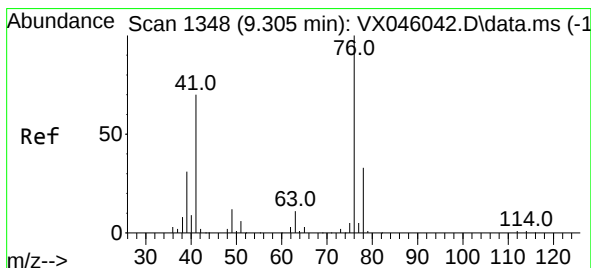
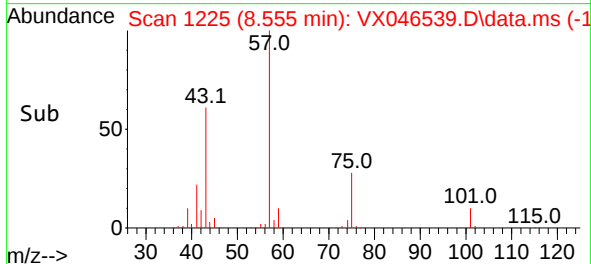
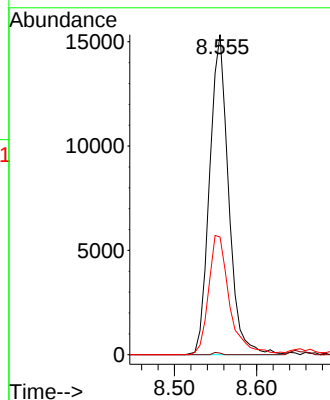
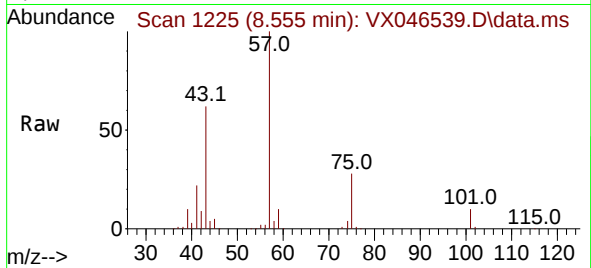




#54
 cis-1,3-Dichloropropene
 Concen: 9.105 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046539.D
 Acq: 06 Jun 2025 19:35

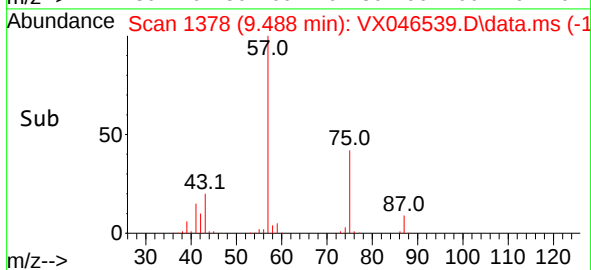
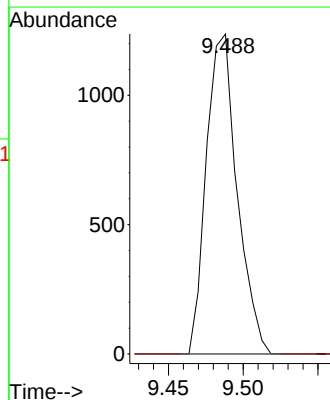
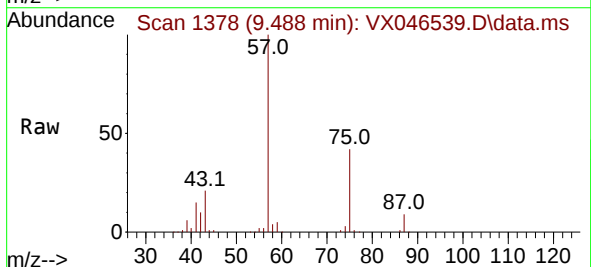
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-703-COMP-06

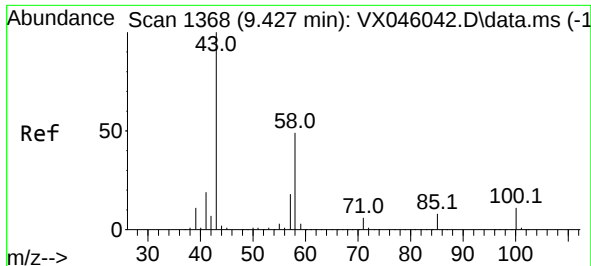
Tgt Ion: 75 Resp: 24596
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.4 38.0#
 39 36.8 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.600 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX046539.D
 Acq: 06 Jun 2025 19:35

Tgt Ion: 76 Resp: 1776
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

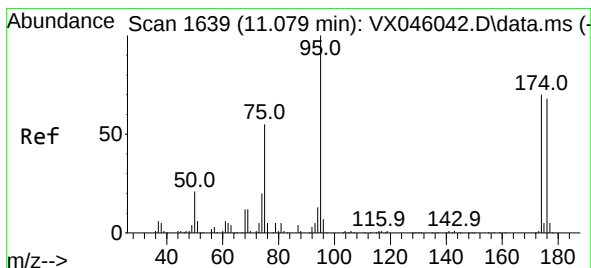
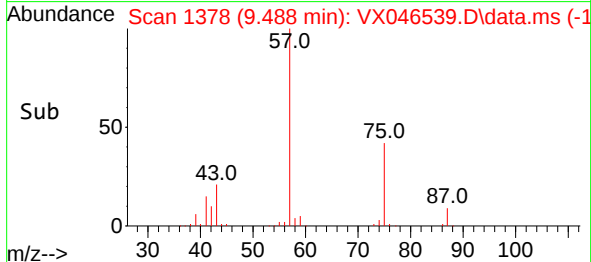
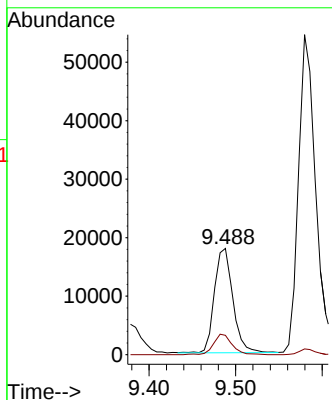
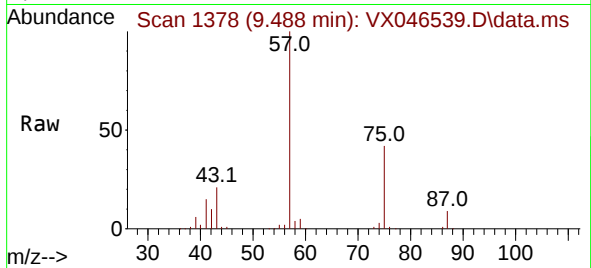




#59
2-Hexanone
Concen: 14.209 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

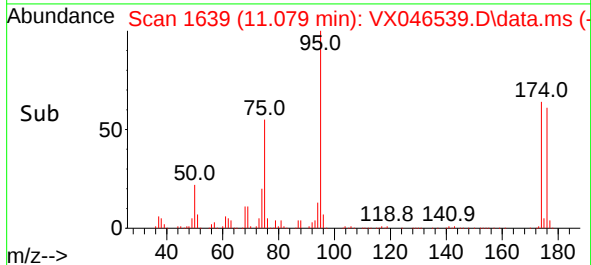
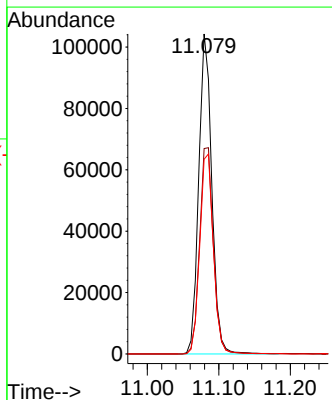
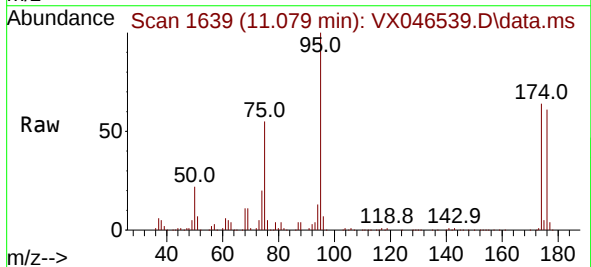
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

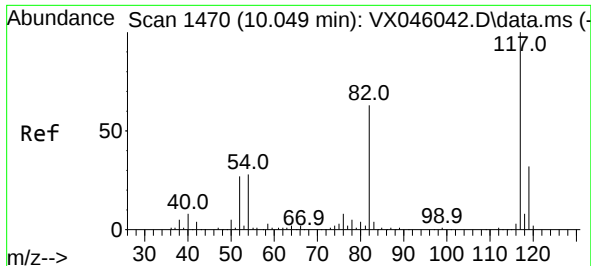
Tgt Ion: 43 Resp: 26565
Ion Ratio Lower Upper
43 100
58 19.7 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 57.428 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 95 Resp: 132218
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 65.4 0.0 131.4

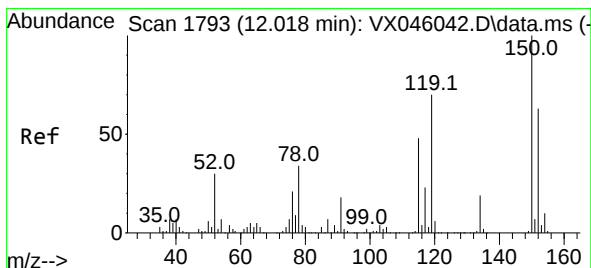
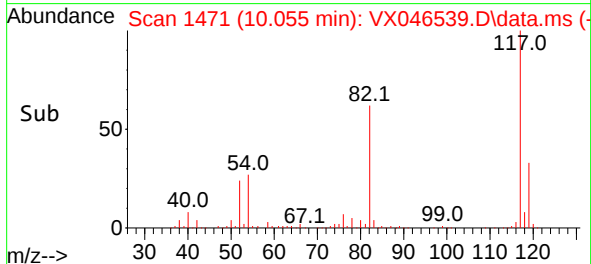
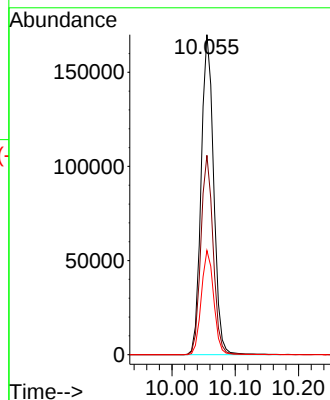
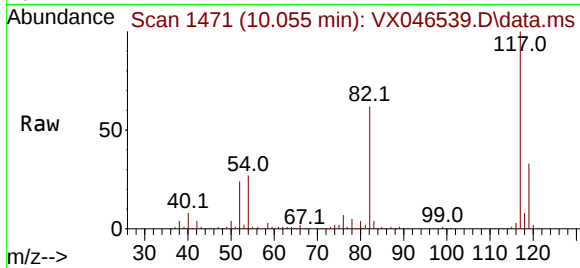




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

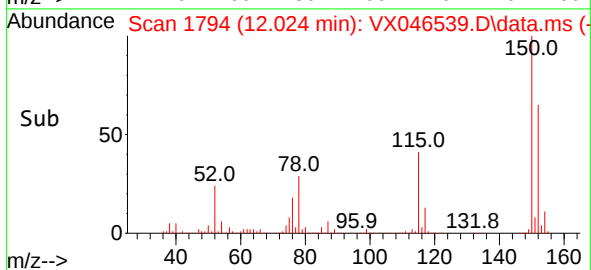
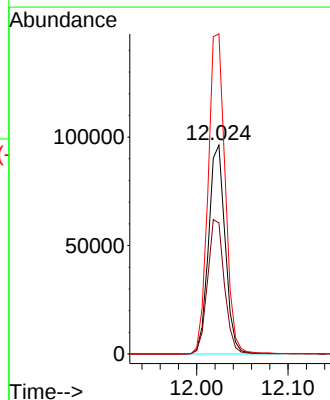
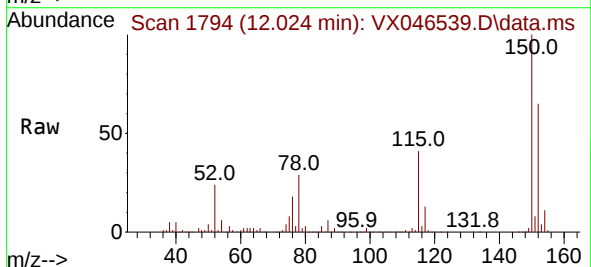
Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

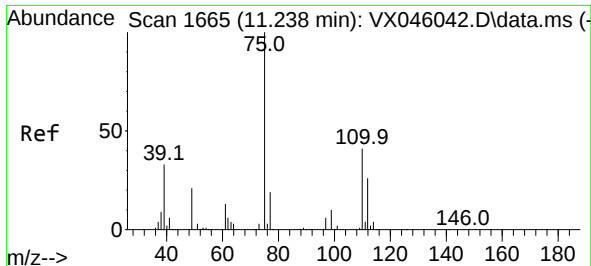
Tgt Ion:117 Resp: 234193
Ion Ratio Lower Upper
117 100
82 62.3 50.6 76.0
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion:152 Resp: 121222
Ion Ratio Lower Upper
152 100
115 65.8 46.9 140.7
150 158.0 0.0 351.0

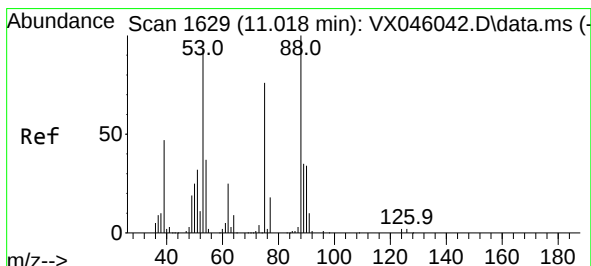
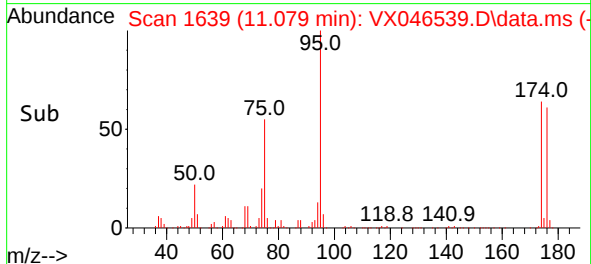
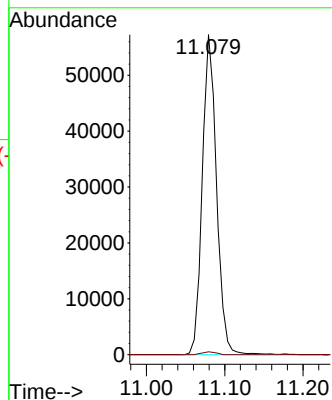
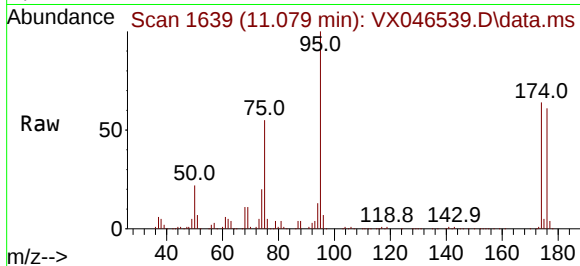




#76
1,2,3-Trichloropropane
Concen: 28.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Instrument :
MSVOA_X
ClientSampleId :
BU-703-COMP-06

Tgt Ion: 75 Resp: 72243
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.162 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046539.D
Acq: 06 Jun 2025 19:35

Tgt Ion: 75 Resp: 72243
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

