

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111325\
 Data File : VX048592.D
 Acq On : 13 Nov 2025 14:01
 Operator : JC/MD
 Sample : Q3609-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-713-COMP-01

Quant Time: Nov 14 03:57:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

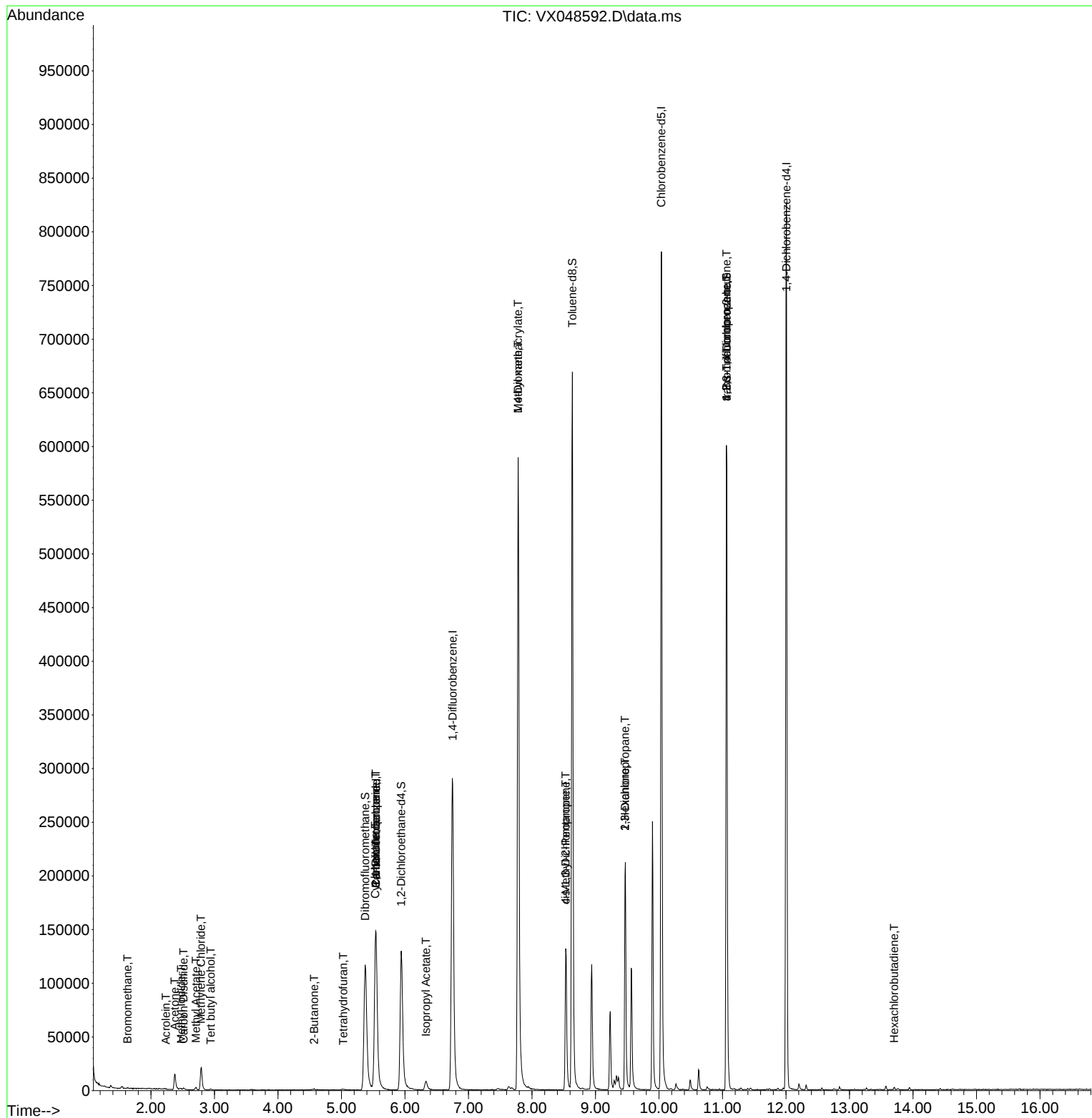
Internal Standards						
1) Pentafluorobenzene	5.544	168	154788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	326089	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	350421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	178918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	139972	64.897	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 129.800%#			
35) Dibromofluoromethane	5.373	113	114141	46.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.500%			
50) Toluene-d8	8.635	98	406462	52.805	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.600%			
62) 4-Bromofluorobenzene	11.061	95	167998	58.565	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.120%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	245	0.206	ug/l #	68
10) Methyl Iodide	2.477	142	968	0.379	ug/l #	91
11) Tert butyl alcohol	2.941	59	406	0.993	ug/l #	71
13) Acrolein	2.233	56	46	0.778	ug/l #	15
16) Acetone	2.374	43	18649	18.266	ug/l	100
17) Carbon Disulfide	2.514	76	1044	0.206	ug/l #	75
18) Methyl Acetate	2.709	43	3227	1.150	ug/l	92
20) Methylene Chloride	2.788	84	10219	4.869	ug/l	87
25) 2-Butanone	4.568	43	1604	1.062	ug/l #	80
29) Tetrahydrofuran	5.026	42	608	0.564	ug/l #	46
31) Cyclohexane	5.532	56	3351	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	12361	3.740	ug/l #	45
38) Carbon Tetrachloride	5.544	117	15910	4.229	ug/l #	17
43) Isopropyl Acetate	6.330	43	12791	1.956	ug/l	98
48) Methyl methacrylate	7.781	41	56934	19.586	ug/l #	42
49) 1,4-Dioxane	7.781	88	21	0.474	ug/l #	1
51) 4-Methyl-2-Pentanone	8.531	43	52159	14.012	ug/l #	47
54) cis-1,3-Dichloropropene	8.531	75	22346	6.111	ug/l #	67
57) 1,3-Dichloropropane	9.464	76	1649	0.440	ug/l #	42
59) 2-Hexanone	9.464	43	28675	10.356	ug/l #	50
76) 1,2,3-Trichloropropane	11.061	75	90393	20.971	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	90393	59.983	ug/l #	12
94) Hexachlorobutadiene	13.701	225	469	0.280	ug/l	96

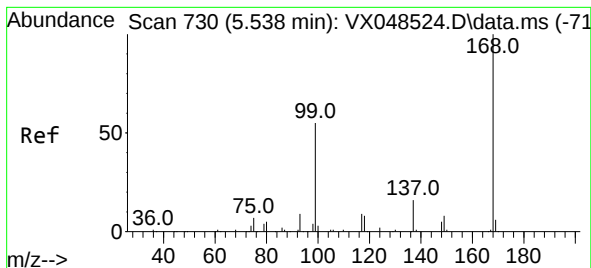
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX048592.D

Acq: 13 Nov 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

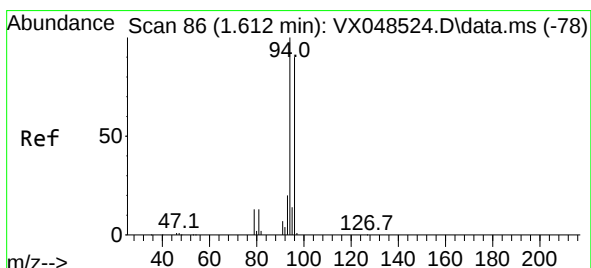
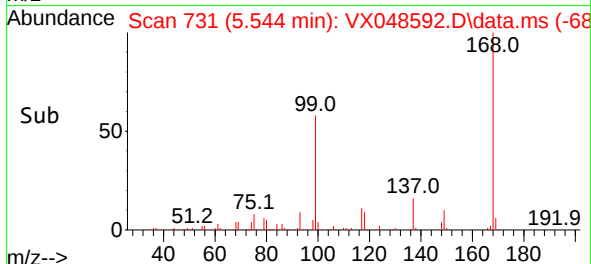
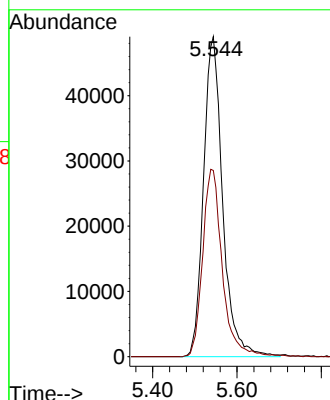
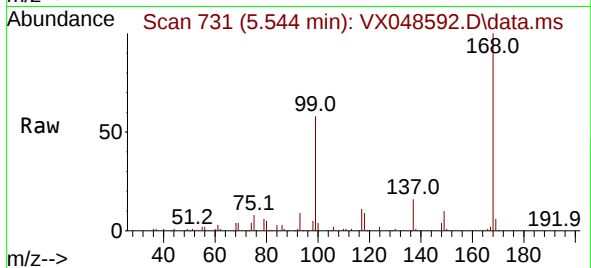
AU-713-COMP-01

Tgt Ion:168 Resp: 154788

Ion Ratio Lower Upper

168 100

99 58.2 45.2 67.8



#5

Bromomethane

Concen: 0.206 ug/l

RT: 1.630 min Scan# 89

Delta R.T. 0.018 min

Lab File: VX048592.D

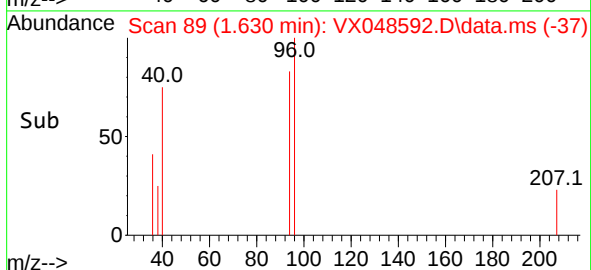
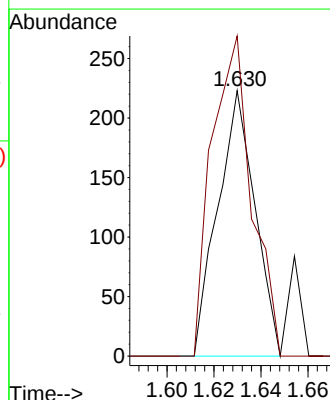
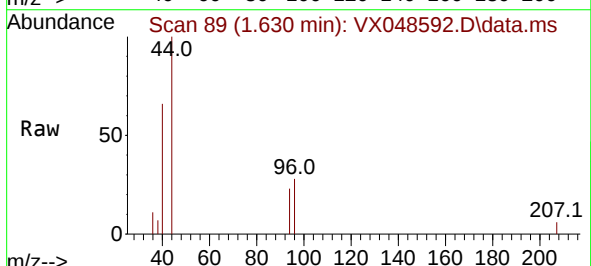
Acq: 13 Nov 2025 14:01

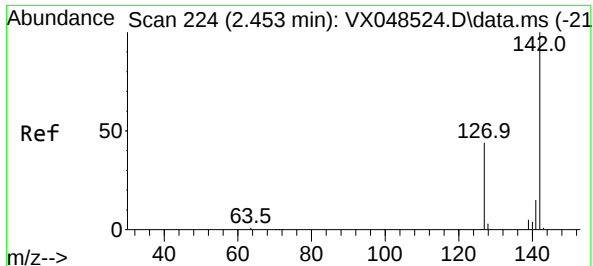
Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

94 100

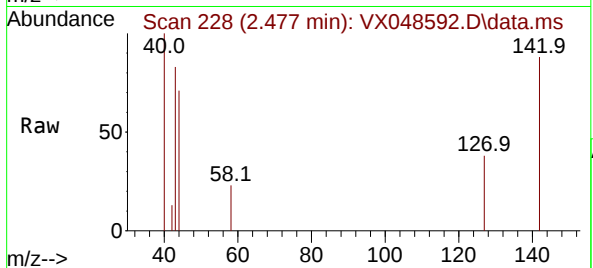
96 120.6 72.3 108.5#



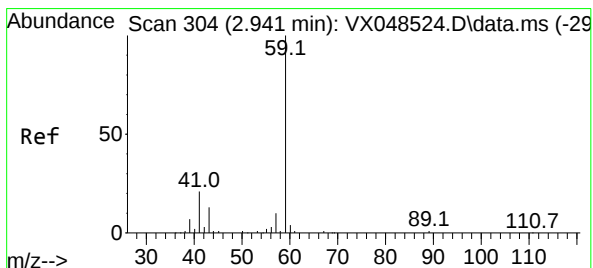
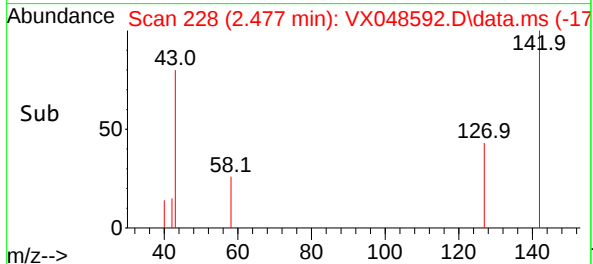
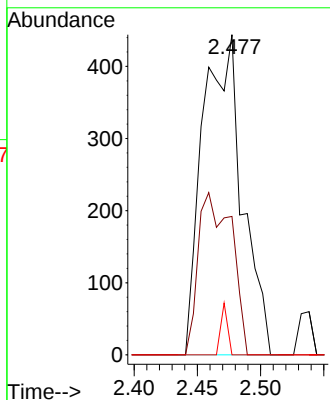


#10
Methyl Iodide
Concen: 0.379 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.024 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

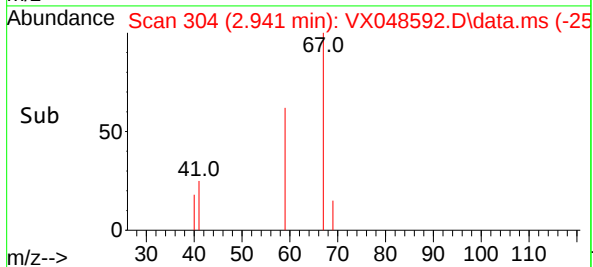
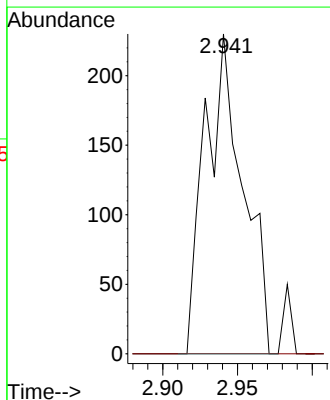
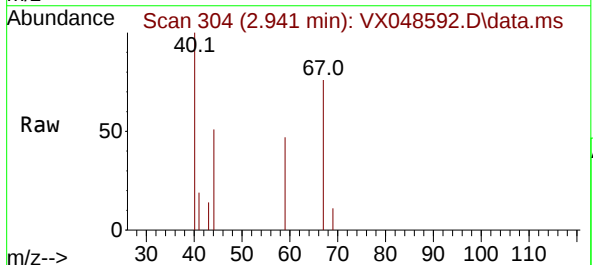


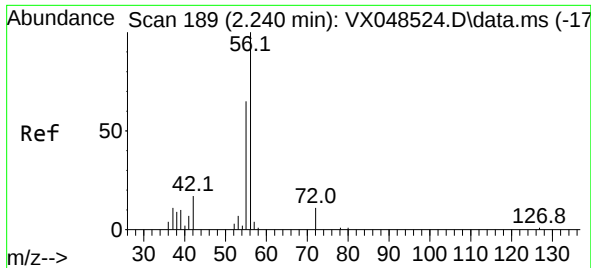
Tgt Ion:142 Resp: 968
Ion Ratio Lower Upper
142 100
127 42.5 35.8 53.6
141 2.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.993 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

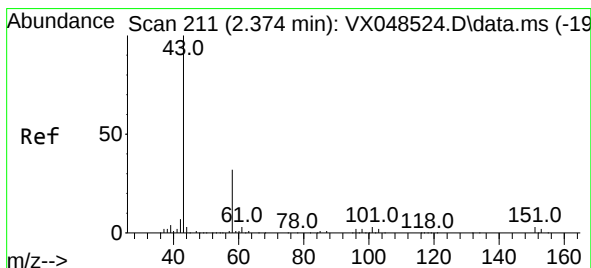
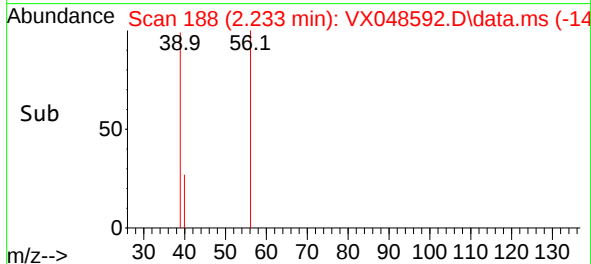
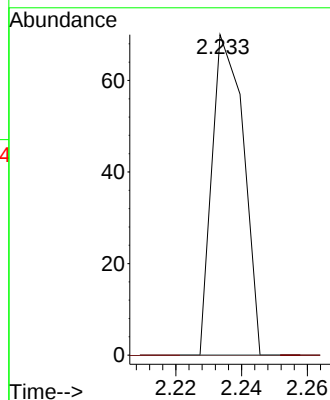
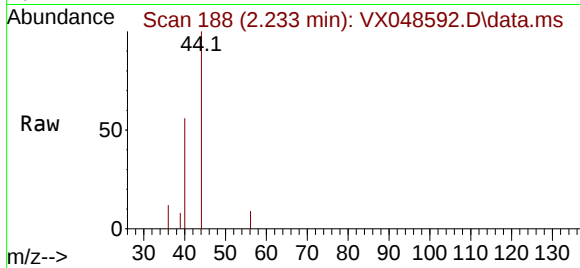




#13
Acrolein
Concen: 0.778 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

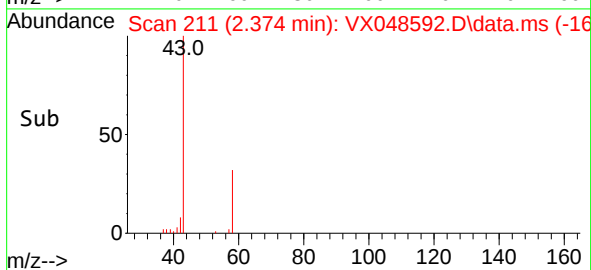
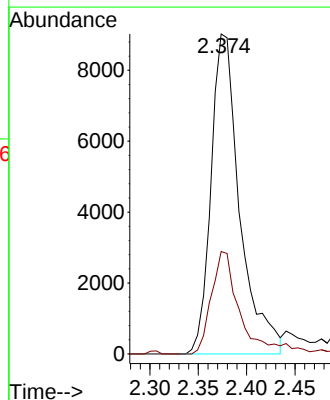
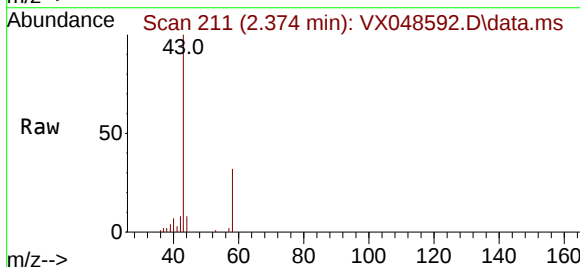
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

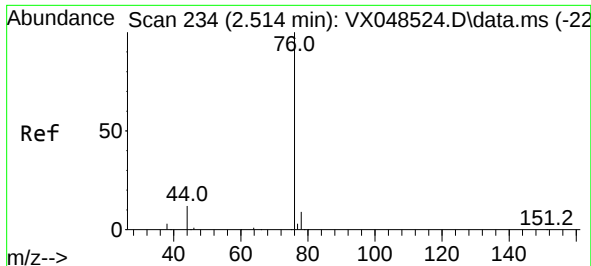
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 18.266 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion: 43 Resp: 18649
Ion Ratio Lower Upper
43 100
58 32.0 25.8 38.6

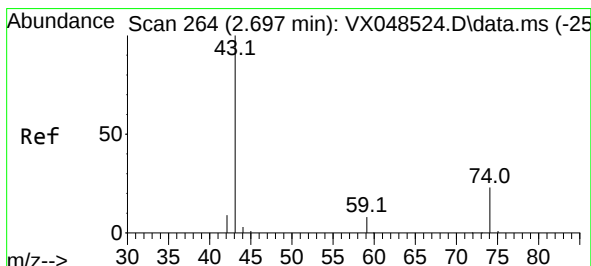
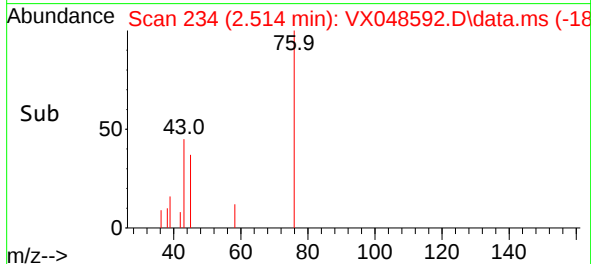
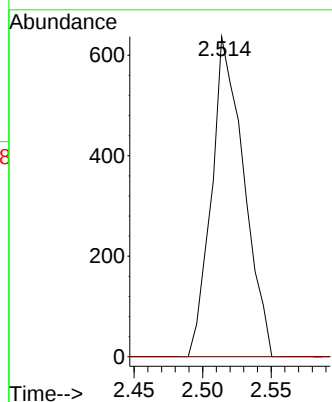
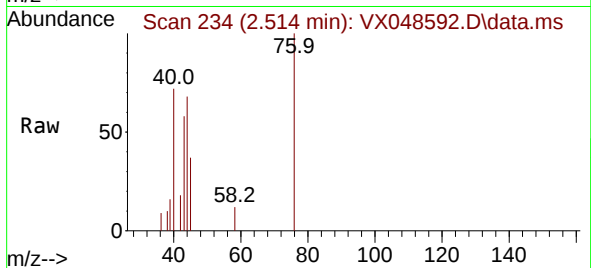




#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

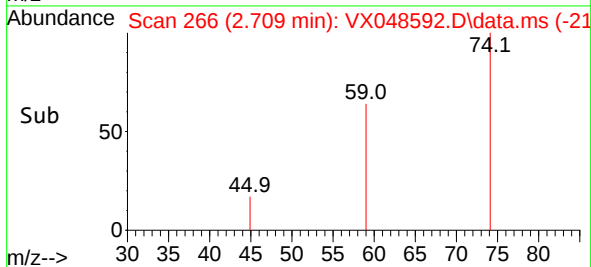
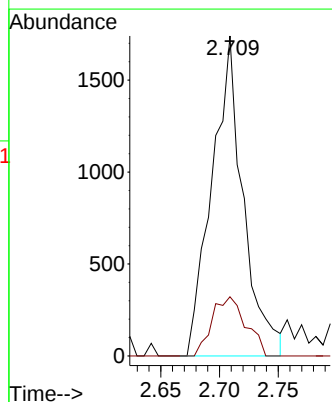
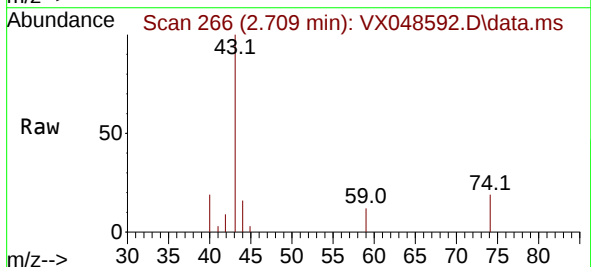
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

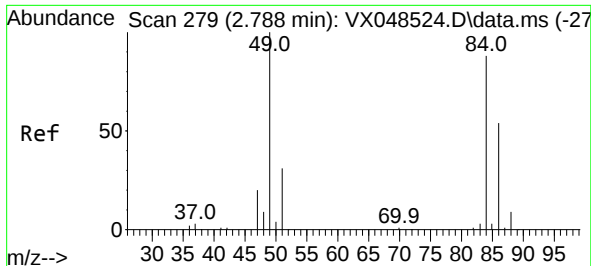
Tgt Ion: 76 Resp: 1044
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 1.150 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

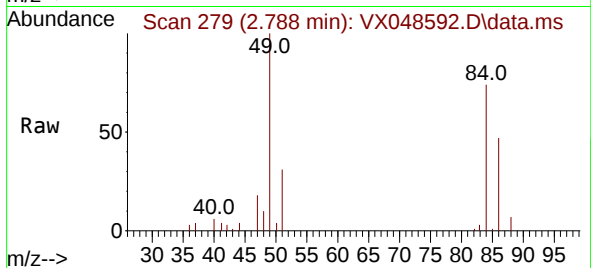
Tgt Ion: 43 Resp: 3227
Ion Ratio Lower Upper
43 100
74 20.0 19.1 28.7



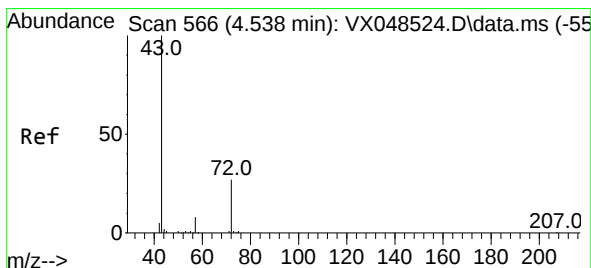
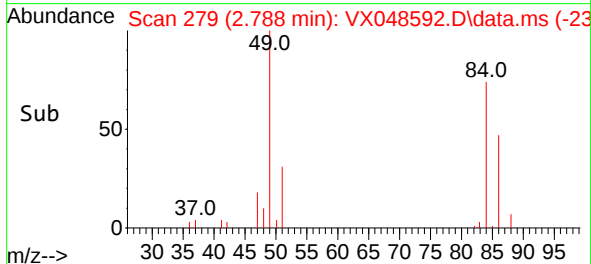
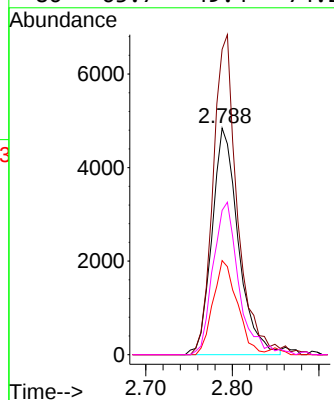


#20
Methylene Chloride
Concen: 4.869 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

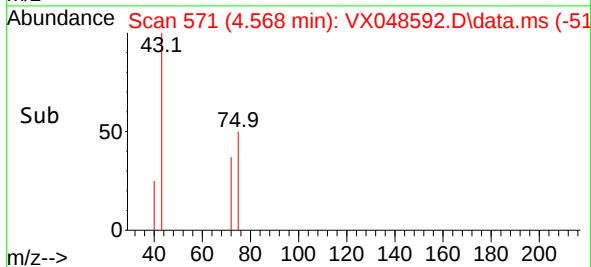
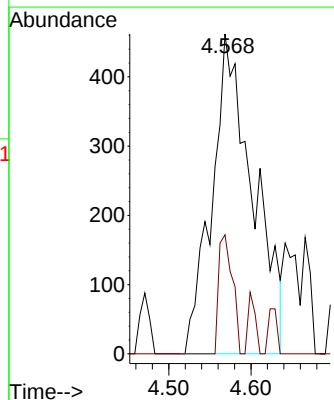
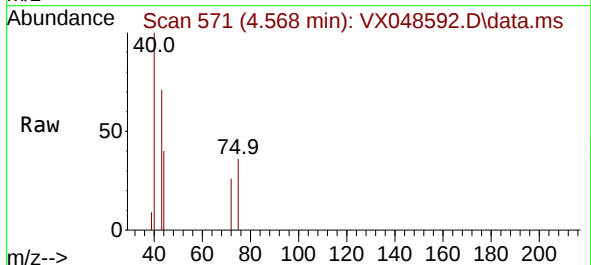


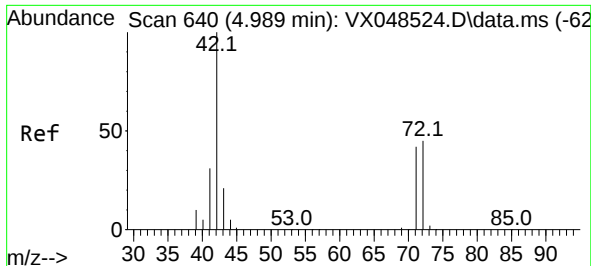
Tgt Ion:	84	Resp:	10219
Ion	Ratio	Lower	Upper
84	100		
49	134.8	91.2	136.8
51	41.5	28.3	42.5
86	63.7	49.4	74.2



#25
2-Butanone
Concen: 1.062 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion:	43	Resp:	1604
Ion	Ratio	Lower	Upper
43	100		
72	37.2	21.5	32.3





#29

Tetrahydrofuran

Concen: 0.564 ug/l

RT: 5.026 min Scan# 640

Delta R.T. 0.037 min

Lab File: VX048592.D

Acq: 13 Nov 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

AU-713-COMP-01

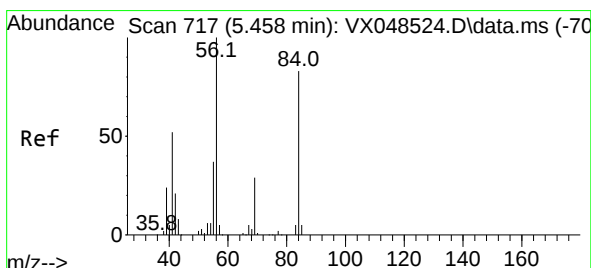
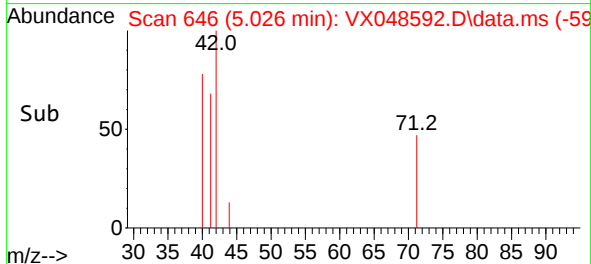
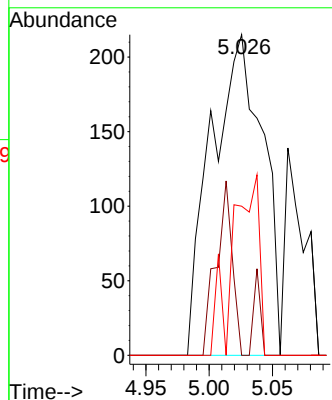
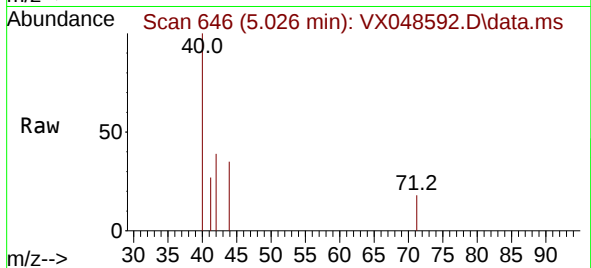
Tgt Ion: 42 Resp: 608

Ion Ratio Lower Upper

42 100

72 17.3 36.3 54.5#

71 0.0 34.1 51.1#



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 5.532 min Scan# 729

Delta R.T. 0.073 min

Lab File: VX048592.D

Acq: 13 Nov 2025 14:01

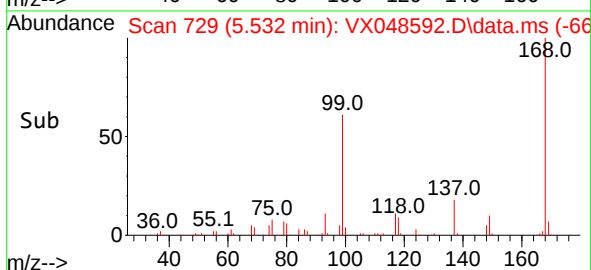
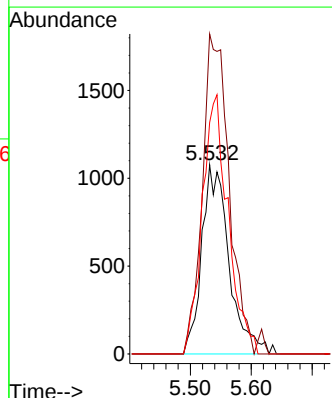
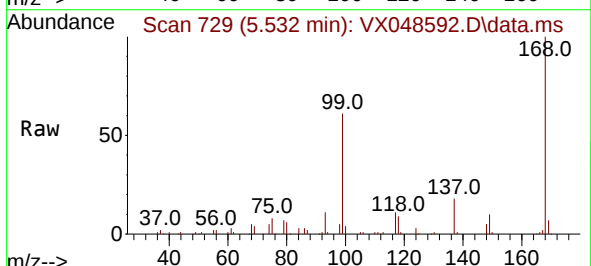
Tgt Ion: 56 Resp: 3351

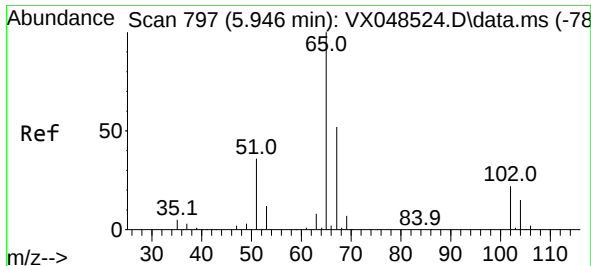
Ion Ratio Lower Upper

56 100

69 169.2 23.4 35.2#

84 122.3 66.3 99.5#

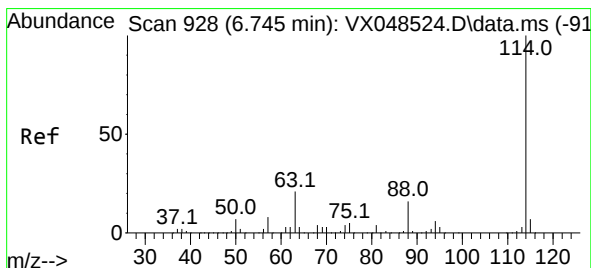
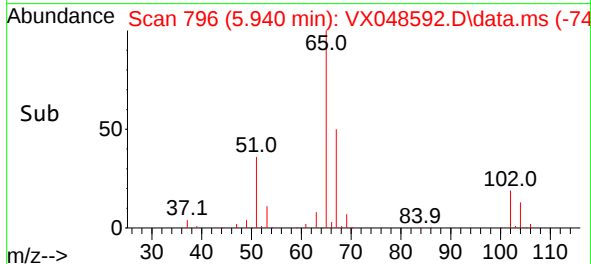
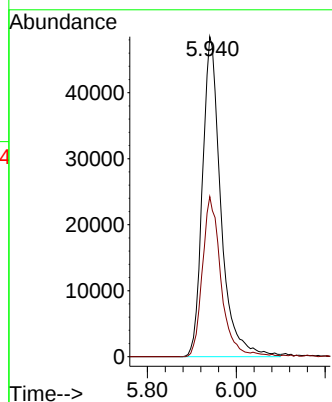
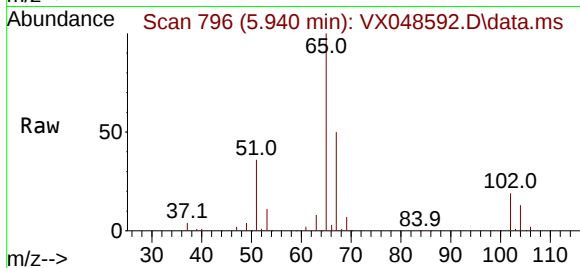




#33
 1,2-Dichloroethane-d4
 Concen: 64.897 ug/l
 RT: 5.940 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: VX048592.D
 Acq: 13 Nov 2025 14:01

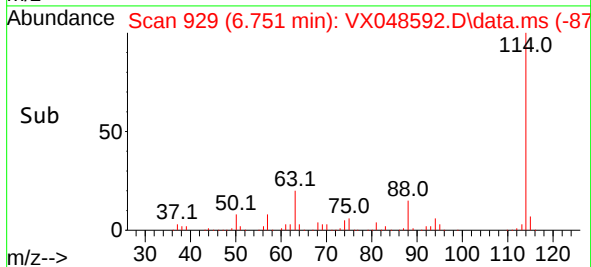
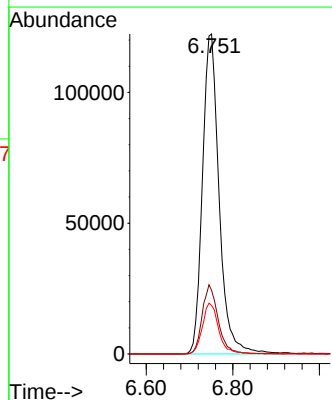
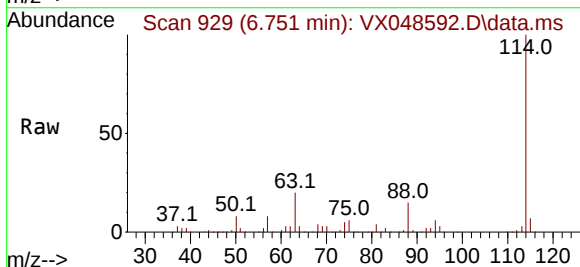
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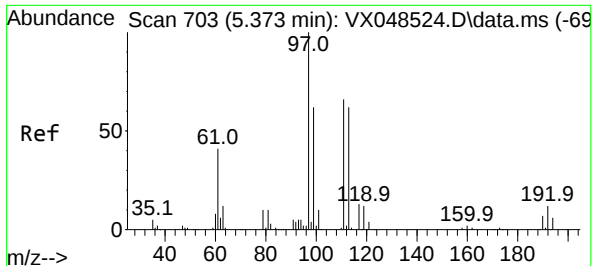
Tgt Ion: 65 Resp: 139972
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048592.D
 Acq: 13 Nov 2025 14:01

Tgt Ion: 114 Resp: 326089
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.2
 88 15.2 0.0 32.2

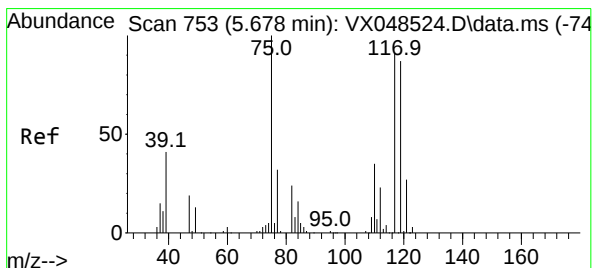
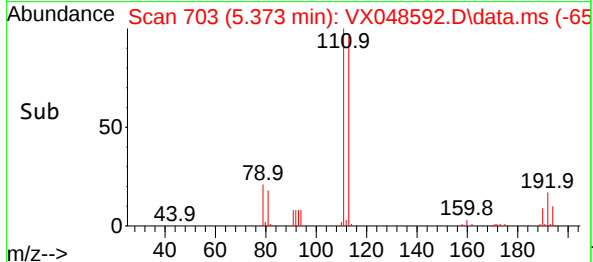
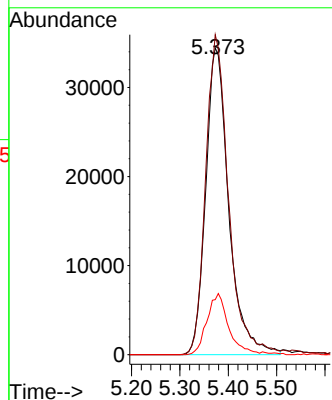
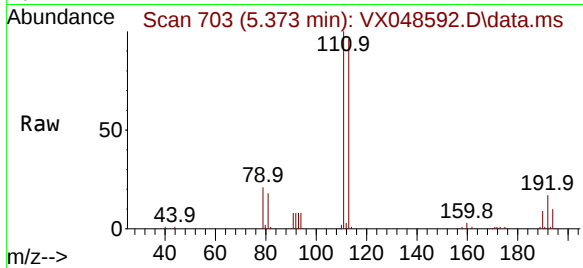




#35
Dibromofluoromethane
Concen: 46.248 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

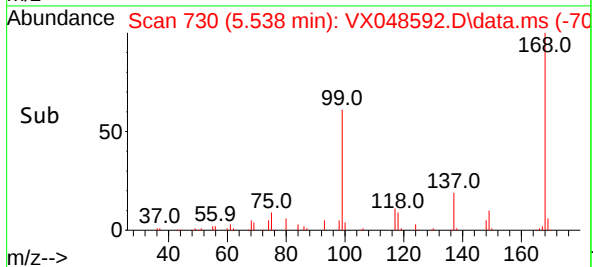
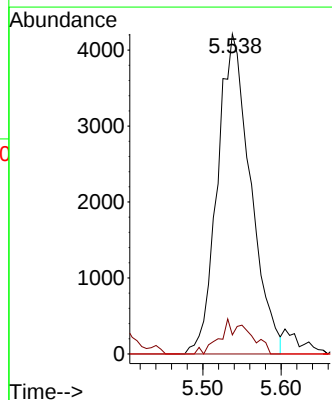
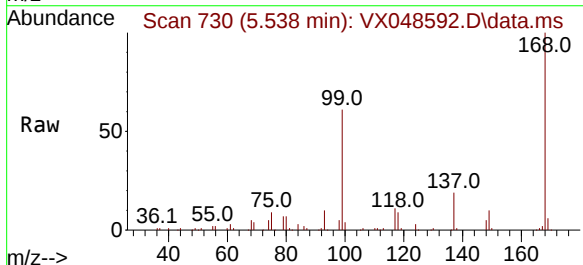
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

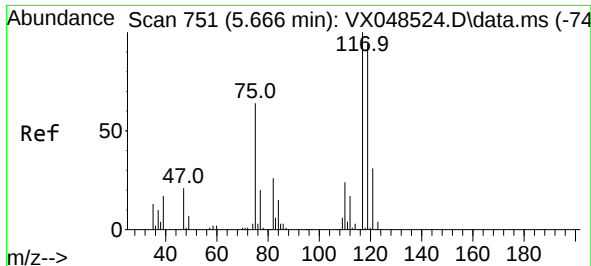
Tgt Ion:113 Resp: 114141
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 18.7 15.8 23.6



#36
1,1-Dichloropropene
Concen: 3.740 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.140 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion: 75 Resp: 12361
Ion Ratio Lower Upper
75 100
110 4.4 18.4 55.4#
77 0.0 24.6 37.0#

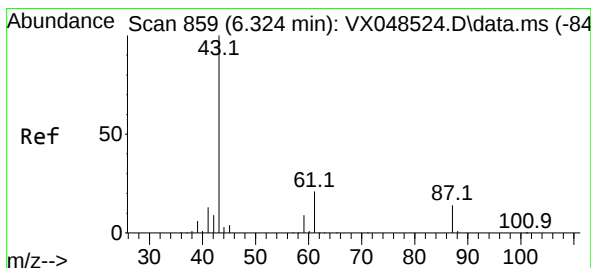
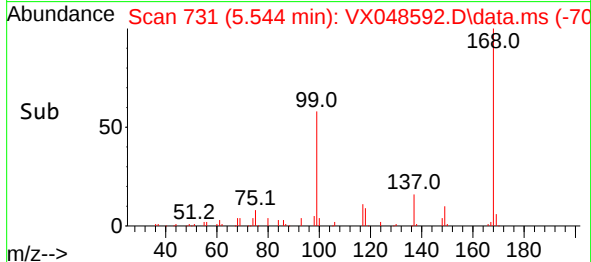
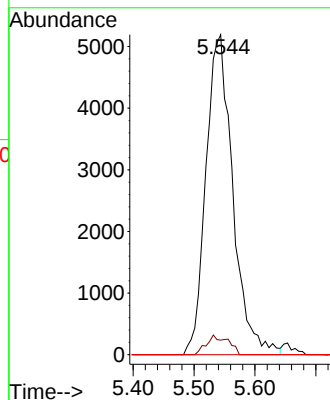
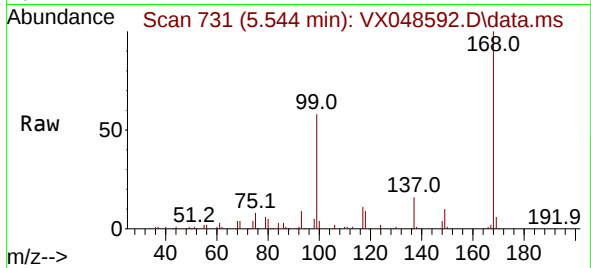




#38
Carbon Tetrachloride
Concen: 4.229 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

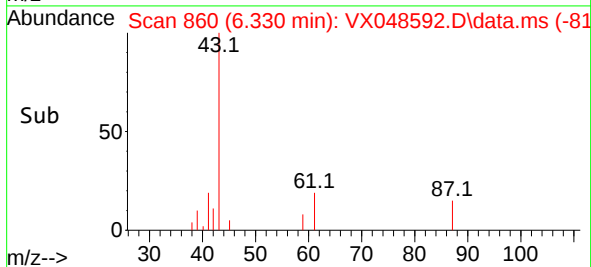
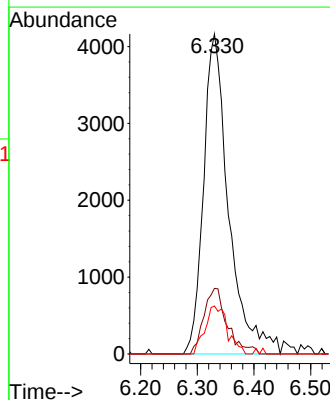
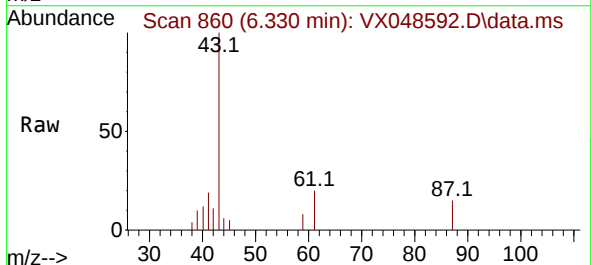
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

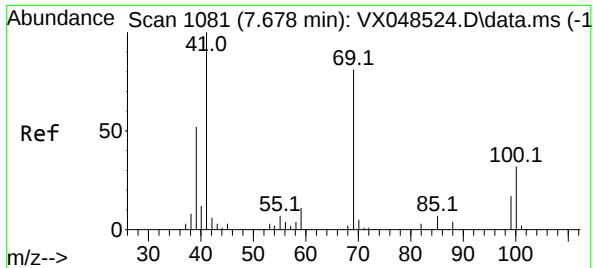
Tgt Ion:117 Resp: 15910
Ion Ratio Lower Upper
117 100
119 4.6 74.5 111.7#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.956 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion: 43 Resp: 12791
Ion Ratio Lower Upper
43 100
61 19.1 16.2 24.4
87 13.4 10.9 16.3

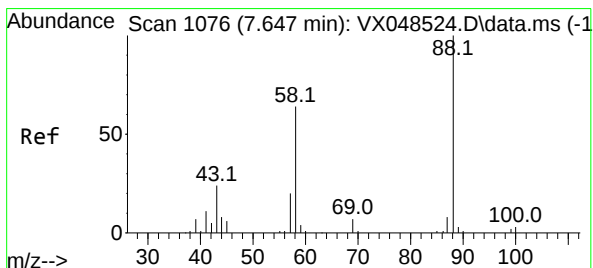
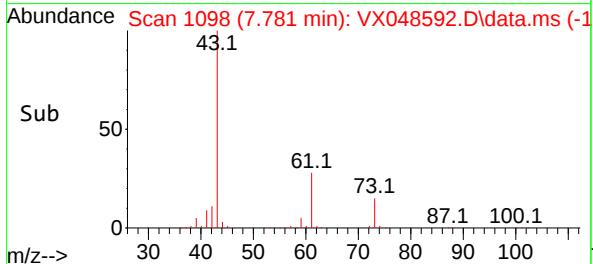
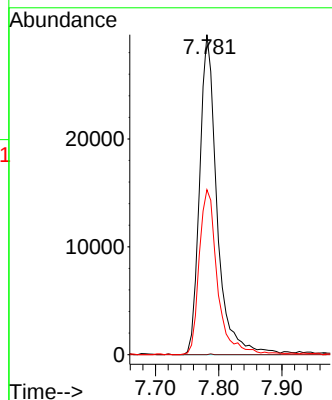
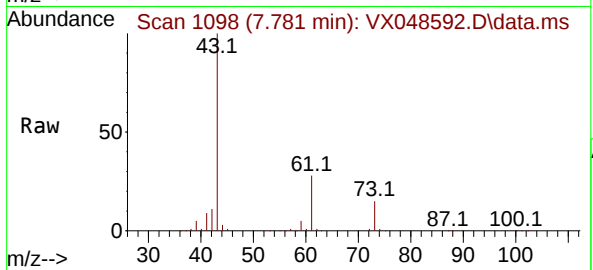




#48
Methyl methacrylate
Concen: 19.586 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

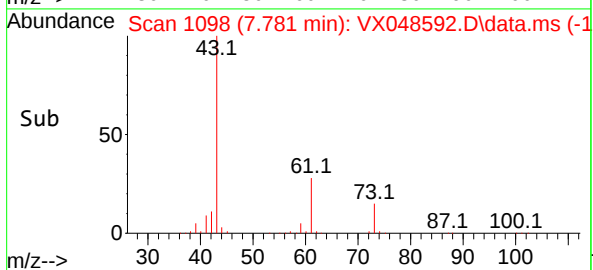
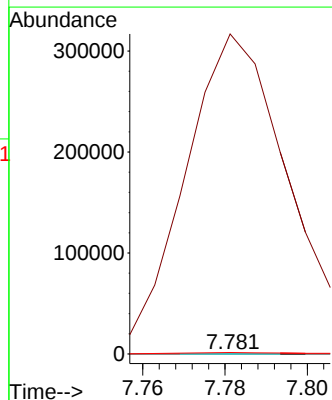
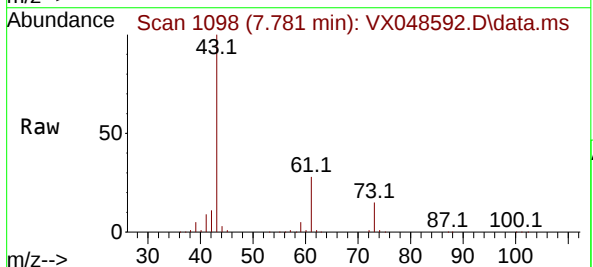
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

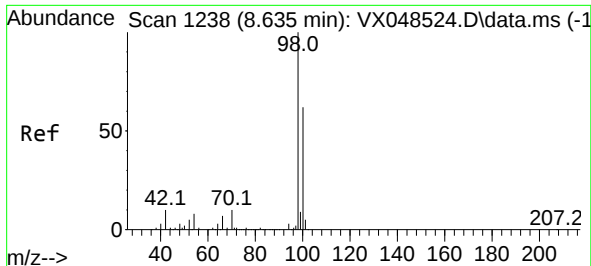
Tgt Ion: 41 Resp: 56934
Ion Ratio Lower Upper
41 100
69 0.0 67.9 101.9#
39 54.2 42.2 63.2



#49
1,4-Dioxane
Concen: 0.474 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.134 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2880385.7 25.1 37.7#
58 13938.1 56.7 85.1#

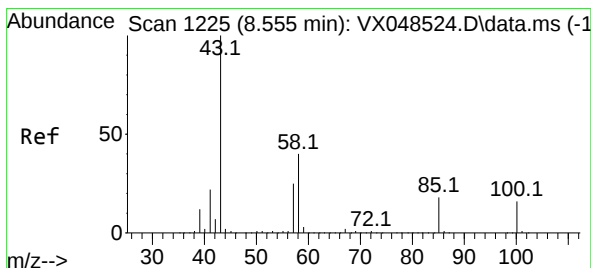
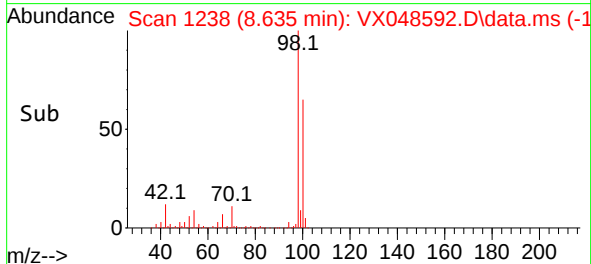
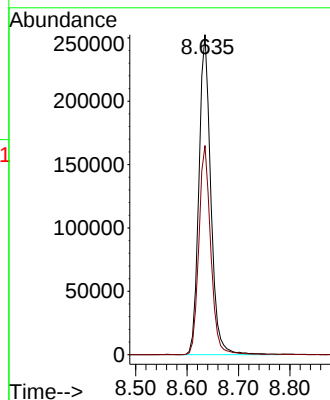
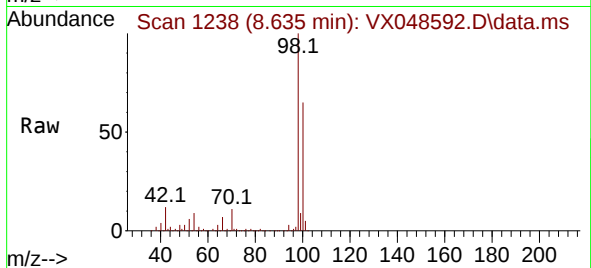




#50
Toluene-d8
Concen: 52.805 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

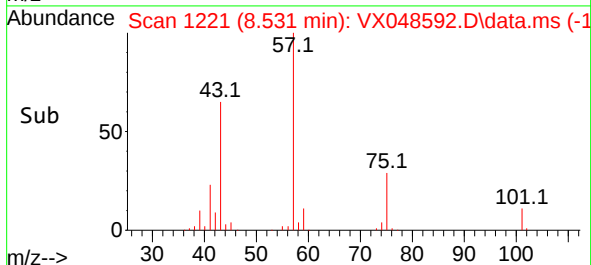
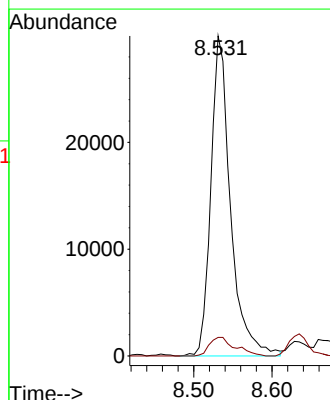
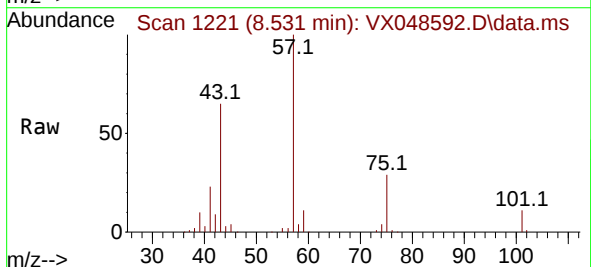
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

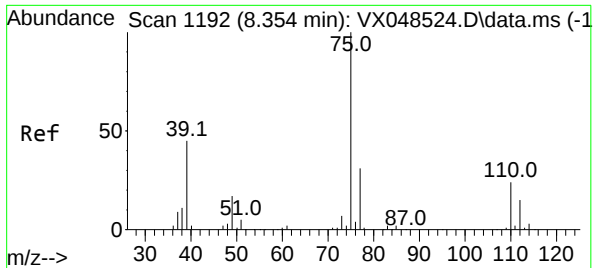
Tgt Ion: 98 Resp: 406462
Ion Ratio Lower Upper
98 100
100 65.4 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 14.012 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.024 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion: 43 Resp: 52159
Ion Ratio Lower Upper
43 100
58 7.7 32.3 48.5#

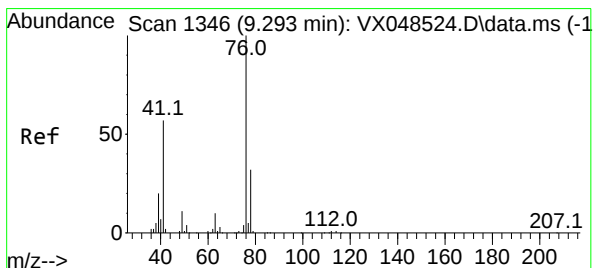
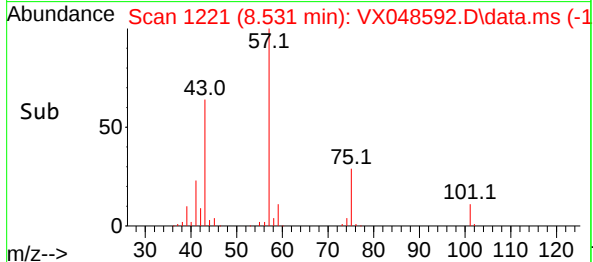
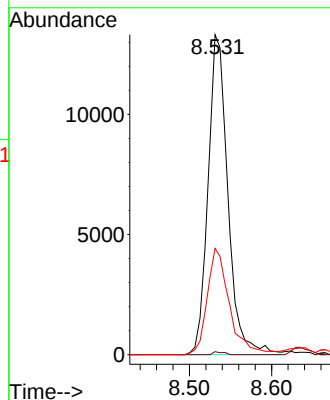
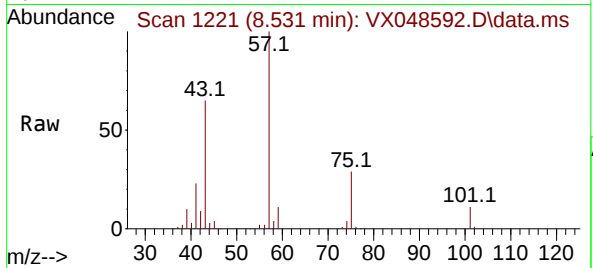




#54
cis-1,3-Dichloropropene
Concen: 6.111 ug/l
RT: 8.531 min Scan# 1192
Delta R.T. 0.177 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

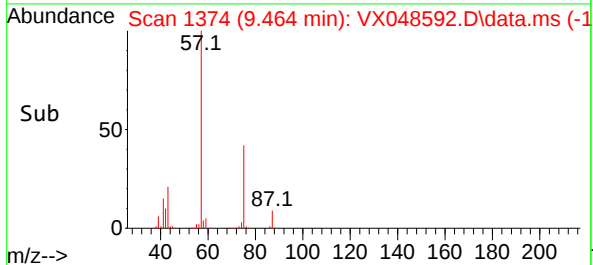
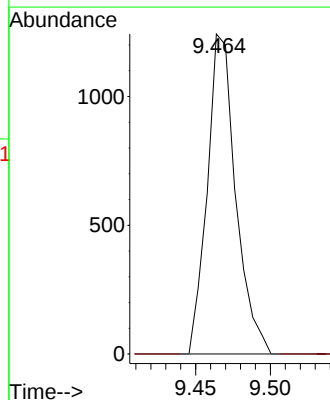
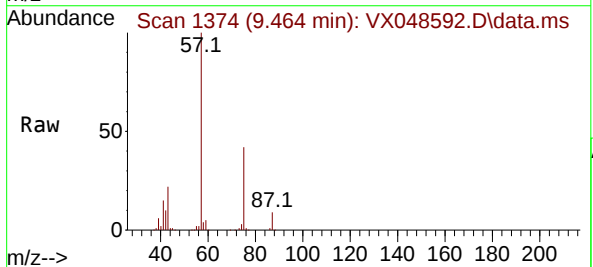
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

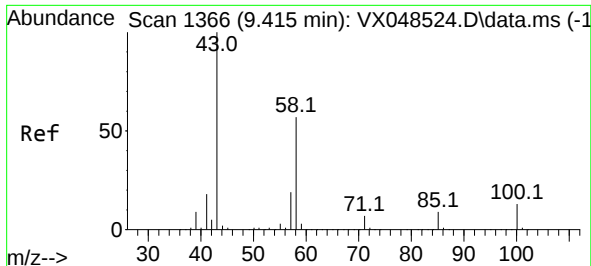
Tgt Ion: 75 Resp: 22346
Ion Ratio Lower Upper
75 100
77 1.0 24.7 37.1#
39 33.2 36.1 54.1#



#57
1,3-Dichloropropane
Concen: 0.440 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.171 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion: 76 Resp: 1649
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#





#59

2-Hexanone

Concen: 10.356 ug/l

RT: 9.464 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX048592.D

Acq: 13 Nov 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

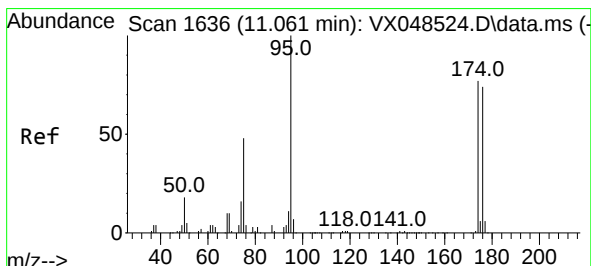
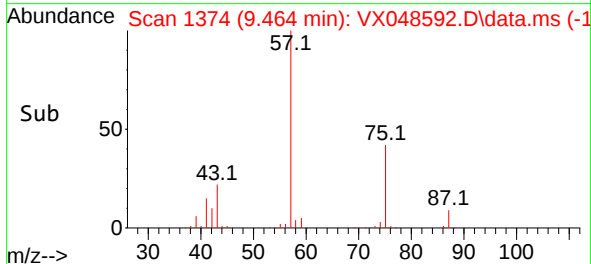
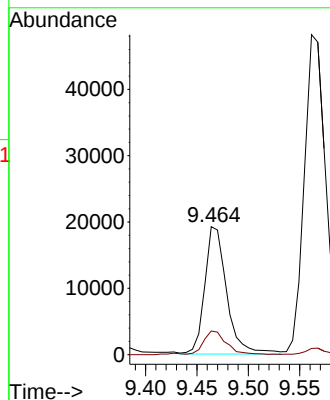
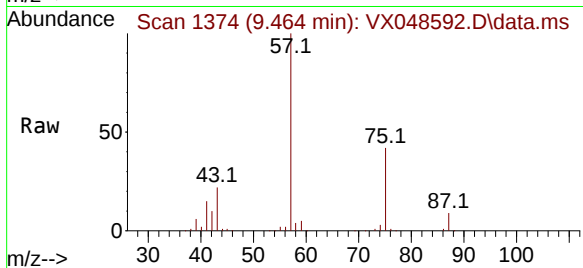
AU-713-COMP-01

Tgt Ion: 43 Resp: 28675

Ion Ratio Lower Upper

43 100

58 19.4 28.1 84.2#



#62

4-Bromofluorobenzene

Concen: 58.565 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048592.D

Acq: 13 Nov 2025 14:01

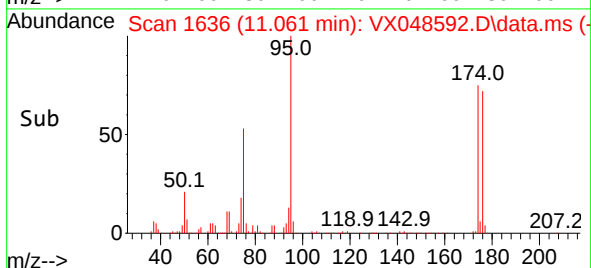
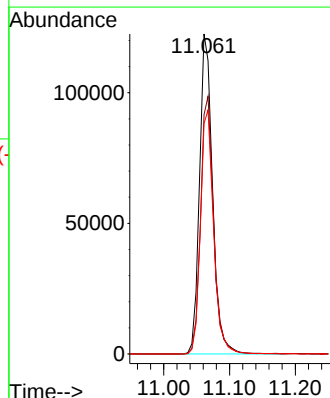
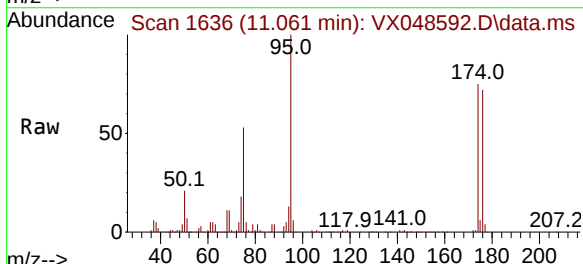
Tgt Ion: 95 Resp: 167998

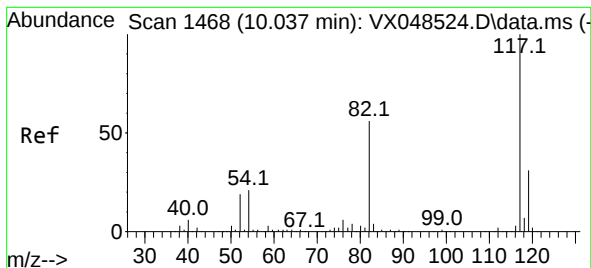
Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.8

176 77.0 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048592.D

Acq: 13 Nov 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

AU-713-COMP-01

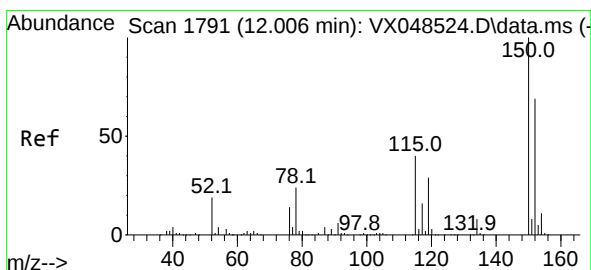
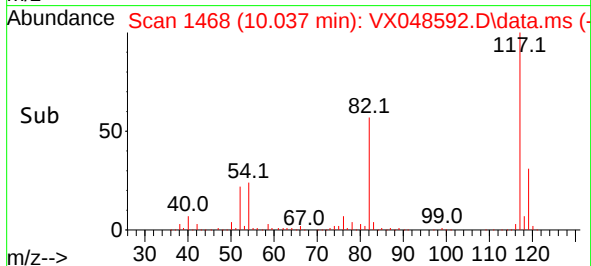
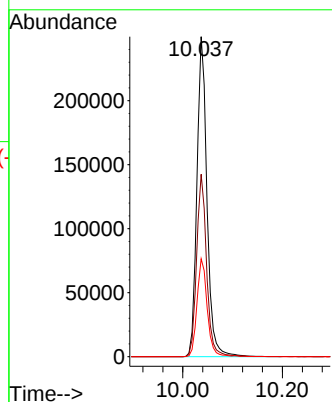
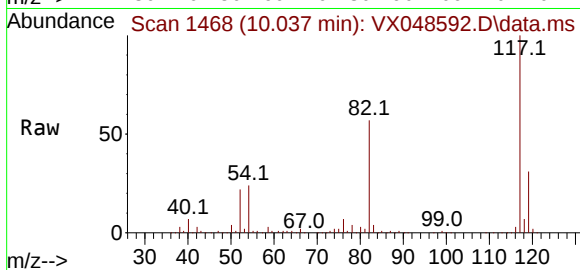
Tgt Ion:117 Resp: 350421

Ion Ratio Lower Upper

117 100

82 57.0 44.4 66.6

119 30.6 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048592.D

Acq: 13 Nov 2025 14:01

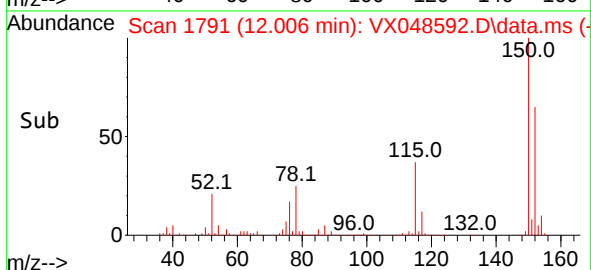
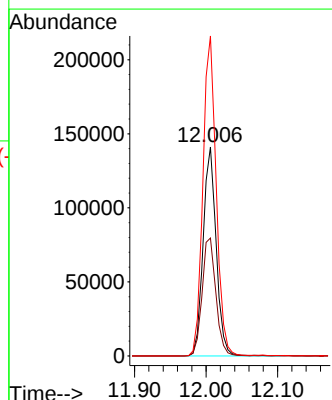
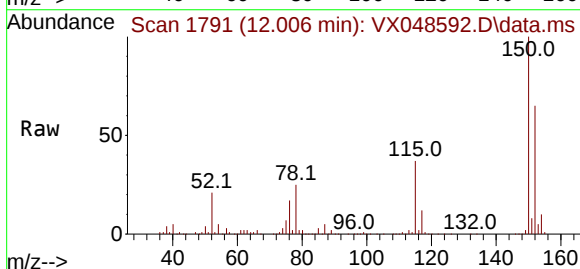
Tgt Ion:152 Resp: 178918

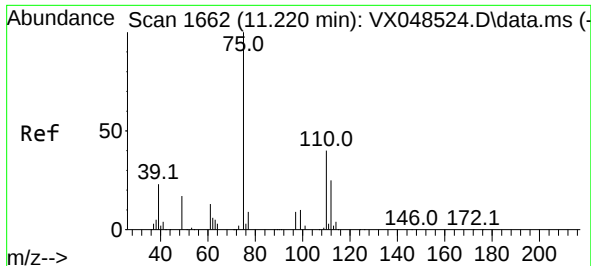
Ion Ratio Lower Upper

152 100

115 59.6 39.2 117.6

150 155.8 0.0 347.0

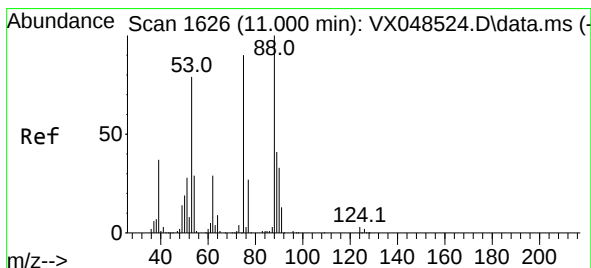
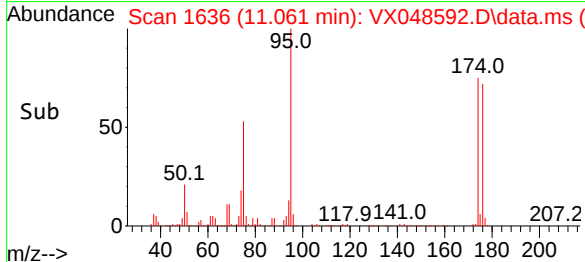
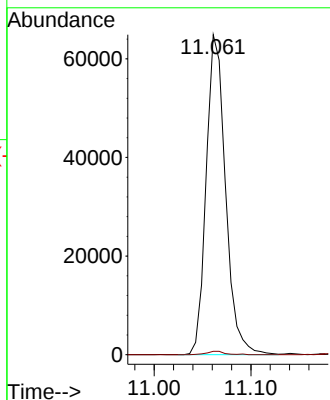
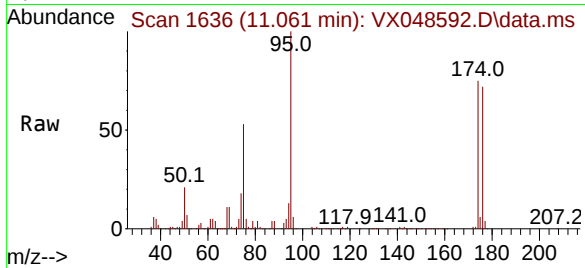




#76
1,2,3-Trichloropropane
Concen: 20.971 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

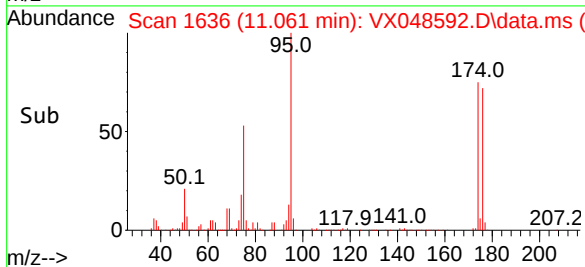
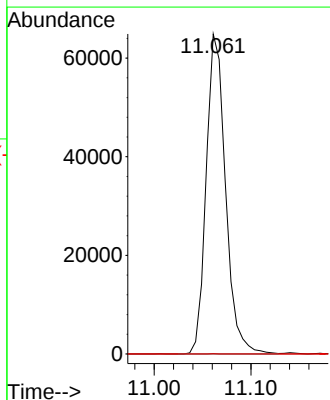
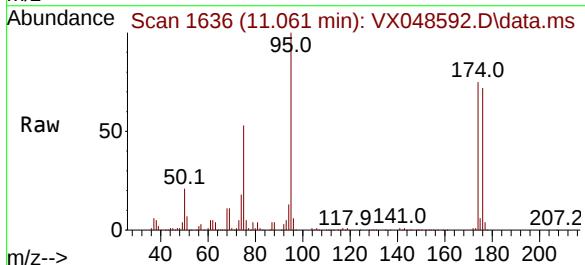
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

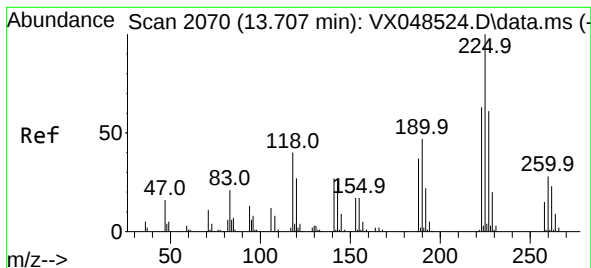
Tgt Ion: 75 Resp: 90393
Ion Ratio Lower Upper
75 100
77 1.0 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.983 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048592.D
Acq: 13 Nov 2025 14:01

Tgt Ion: 75 Resp: 90393
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#





#94

Hexachlorobutadiene

Concen: 0.280 ug/l

RT: 13.701 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX048592.D

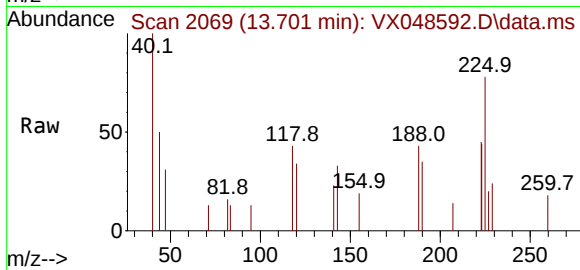
Acq: 13 Nov 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

AU-713-COMP-01



Tgt Ion:225 Resp: 469

Ion Ratio Lower Upper

225 100

223 67.4 30.6 92.0

227 64.4 32.5 97.4

