

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111325\
 Data File : VX048597.D
 Acq On : 13 Nov 2025 15:45
 Operator : JC/MD
 Sample : Q3609-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Nov 14 04:25:09 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	5.543	168	136957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	280432	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	302476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	204187	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	116119	60.847	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	121.700%#
35) Dibromofluoromethane	5.373	113	93011	43.822	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.640%
50) Toluene-d8	8.634	98	330398	49.911	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.820%
62) 4-Bromofluorobenzene	11.061	95	141954	57.543	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.080%

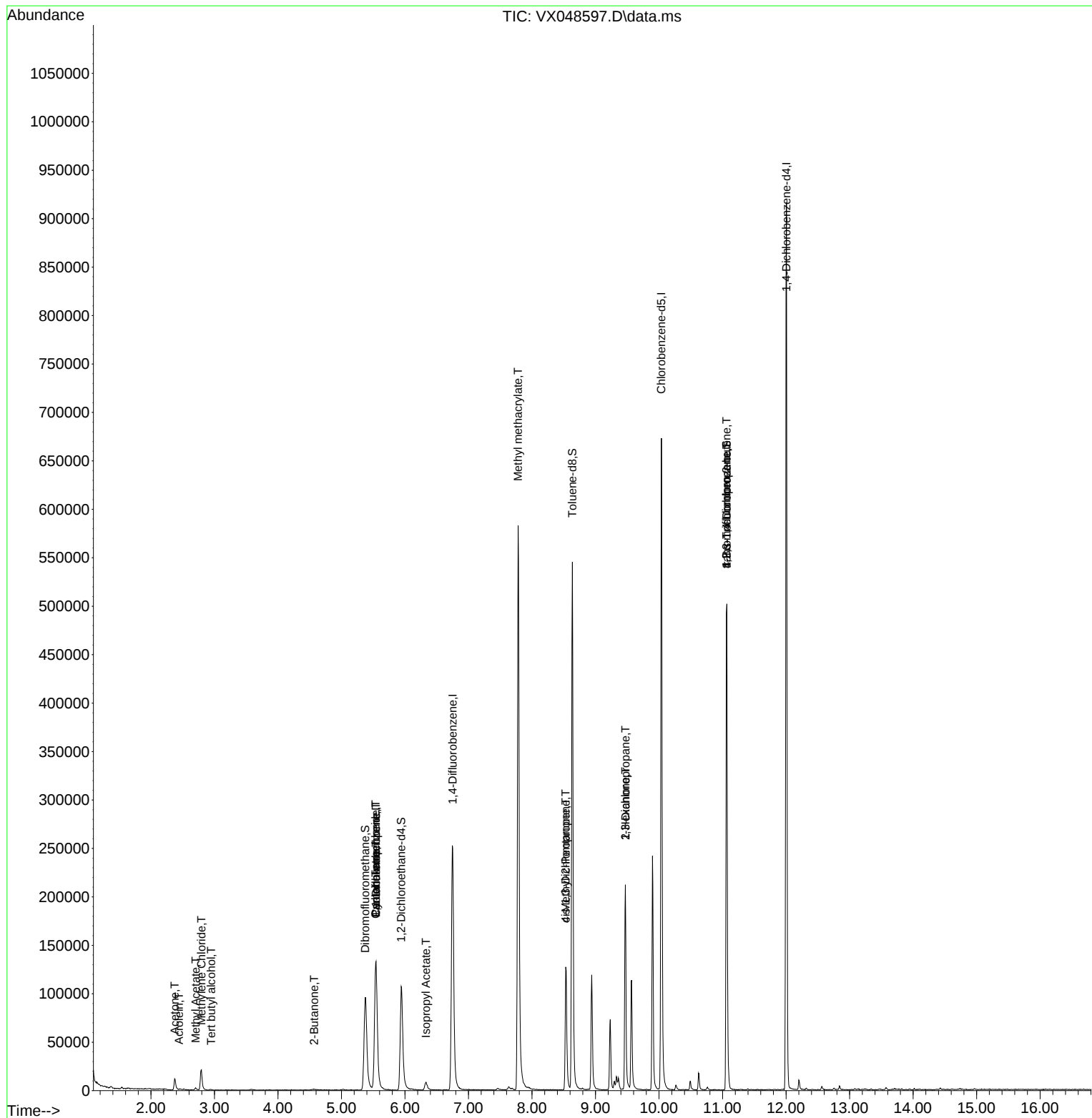
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	347	0.960	ug/l #	71
13) Acrolein	2.440	56	23	0.440	ug/l #	15
16) Acetone	2.373	43	15945	17.651	ug/l	94
18) Methyl Acetate	2.702	43	3269	1.317	ug/l #	88
20) Methylene Chloride	2.794	84	10604	5.710	ug/l	96
25) 2-Butanone	4.568	43	1859	1.391	ug/l #	77
31) Cyclohexane	5.543	56	3295	1.286	ug/l #	13
36) 1,1-Dichloropropene	5.543	75	11639	4.095	ug/l #	49
38) Carbon Tetrachloride	5.537	117	14069	4.349	ug/l #	16
43) Isopropyl Acetate	6.330	43	13384	2.380	ug/l #	88
48) Methyl methacrylate	7.781	41	57175	22.871	ug/l #	42
51) 4-Methyl-2-Pentanone	8.531	43	51190	15.991	ug/l #	47
54) cis-1,3-Dichloropropene	8.531	75	22781	7.244	ug/l #	67
57) 1,3-Dichloropropane	9.469	76	2140	0.663	ug/l #	42
59) 2-Hexanone	9.469	43	28193	11.840	ug/l #	50
76) 1,2,3-Trichloropropane	11.061	75	76040	15.458	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	76040	44.215	ug/l #	12

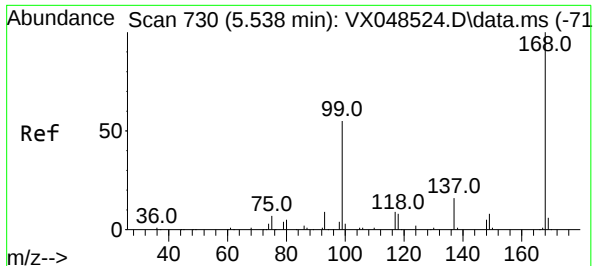
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111325\
Data File : VX048597.D
Acq On : 13 Nov 2025 15:45
Operator : JC/MD
Sample : Q3609-03RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Nov 14 04:25:09 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

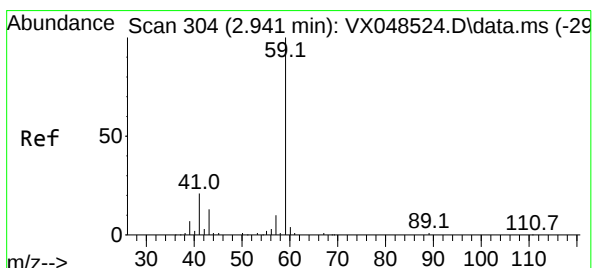
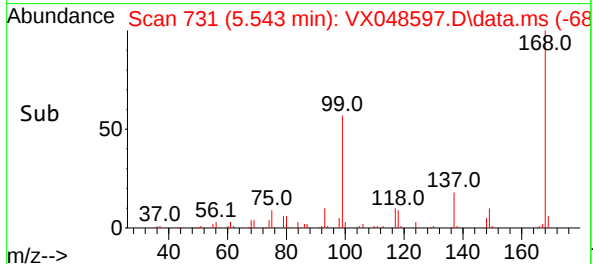
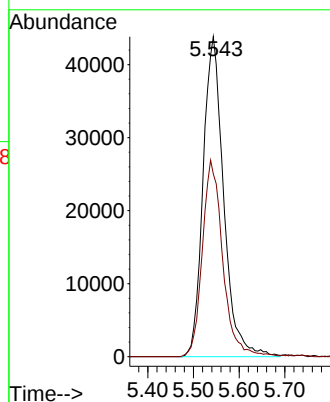
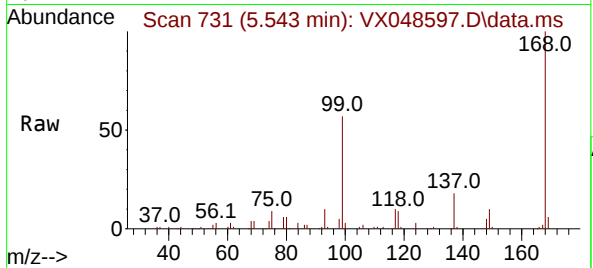




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

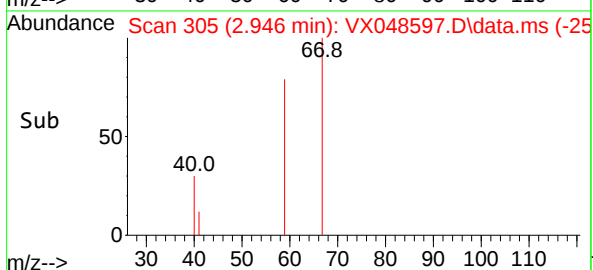
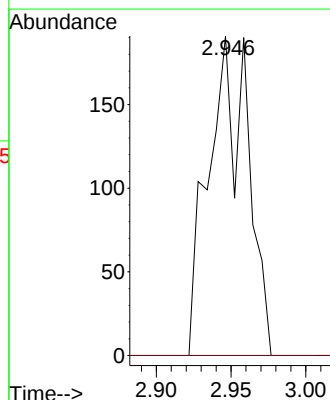
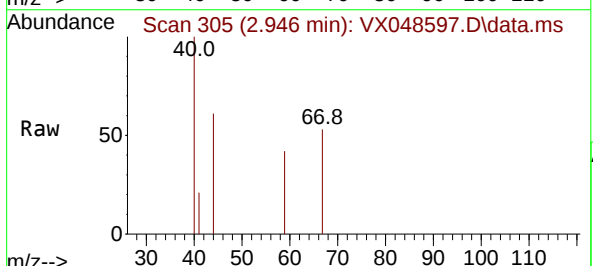
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

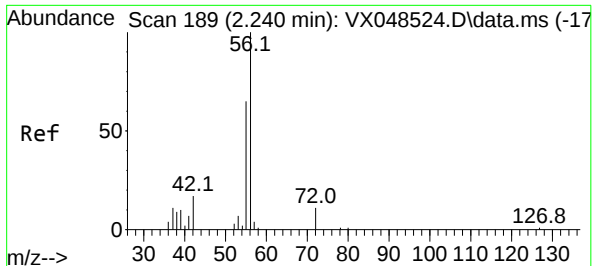
Tgt Ion:168 Resp: 136957
Ion Ratio Lower Upper
168 100
99 57.1 45.2 67.8



#11
Tert butyl alcohol
Concen: 0.960 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

Tgt Ion: 59 Resp: 347
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

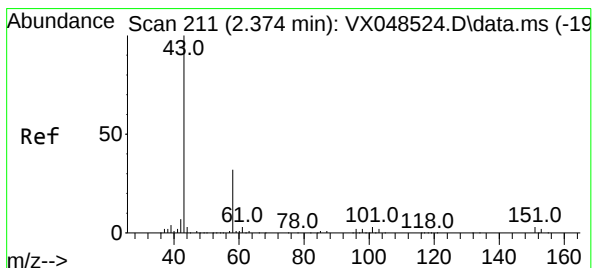
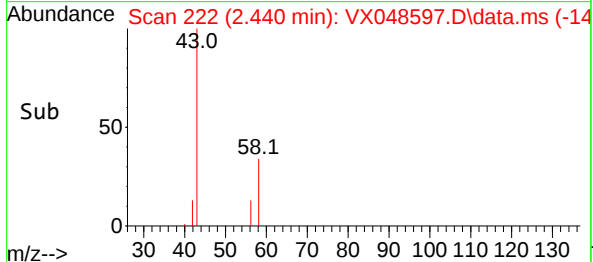
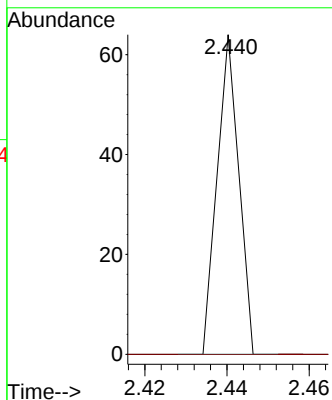
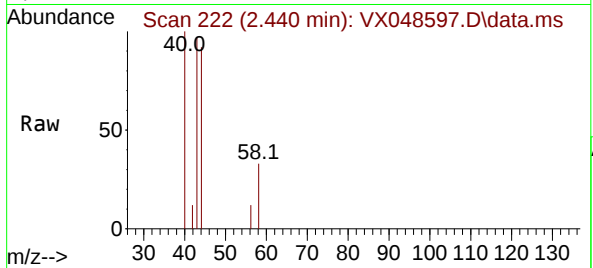




#13
Acrolein
Concen: 0.440 ug/l
RT: 2.440 min Scan# 211
Delta R.T. 0.201 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

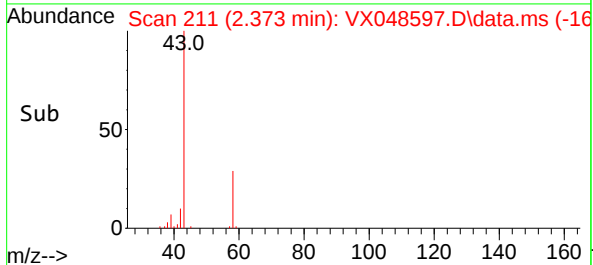
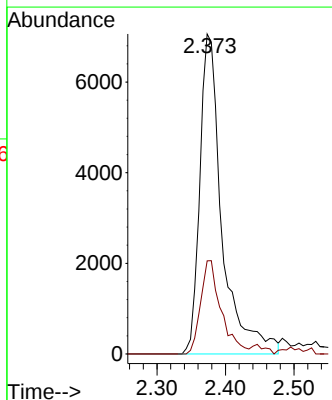
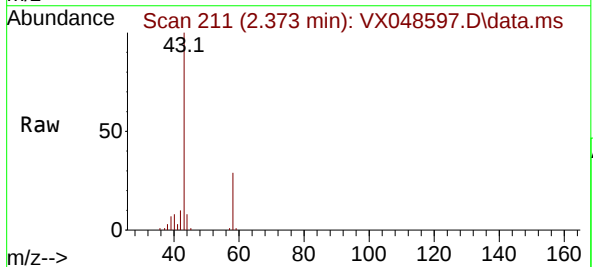
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

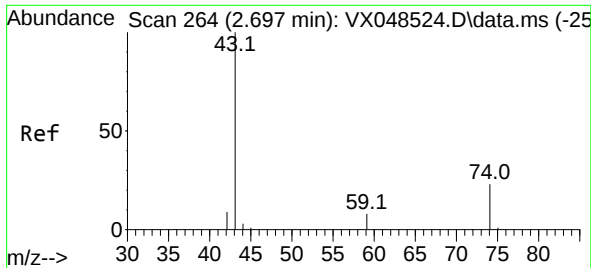
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 17.651 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

Tgt Ion: 43 Resp: 15945
Ion Ratio Lower Upper
43 100
58 29.1 25.8 38.6





#18

Methyl Acetate

Concen: 1.317 ug/l

RT: 2.702 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX048597.D

Acq: 13 Nov 2025 15:45

Instrument :

MSVOA_X

ClientSampleId :

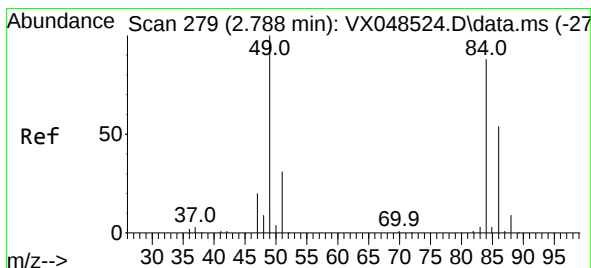
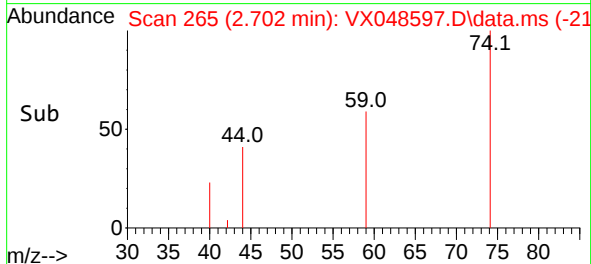
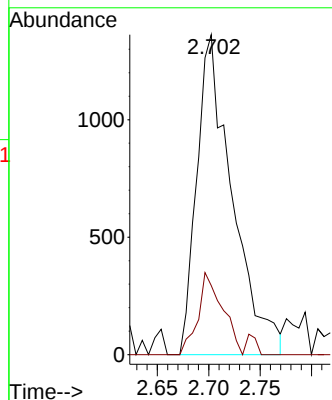
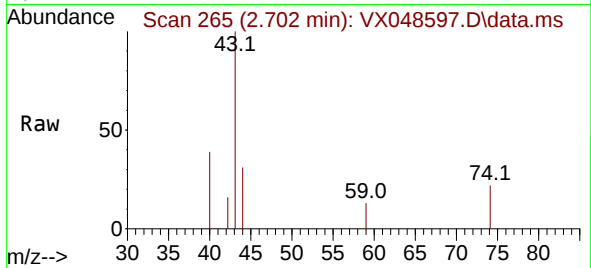
AU-713-COMP-01

Tgt Ion: 43 Resp: 3269

Ion Ratio Lower Upper

43 100

74 17.8 19.1 28.7#



#20

Methylene Chloride

Concen: 5.710 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX048597.D

Acq: 13 Nov 2025 15:45

Tgt Ion: 84 Resp: 10604

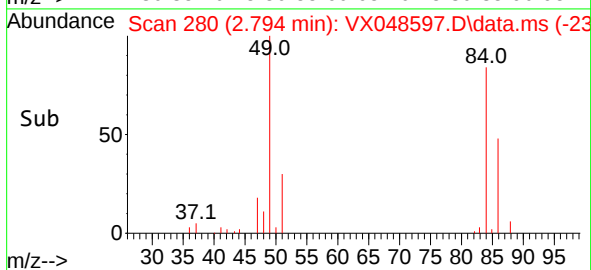
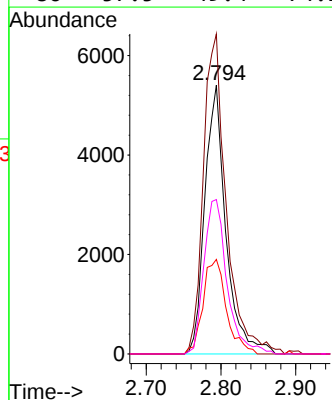
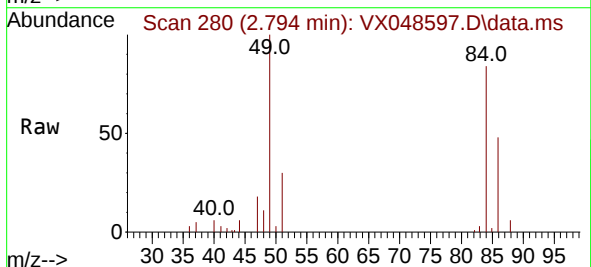
Ion Ratio Lower Upper

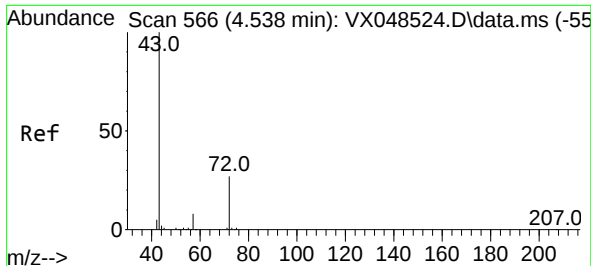
84 100

49 119.1 91.2 136.8

51 35.2 28.3 42.5

86 57.5 49.4 74.2

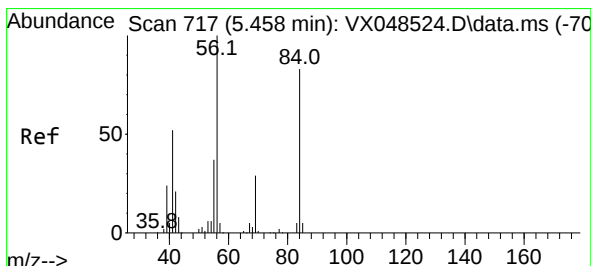
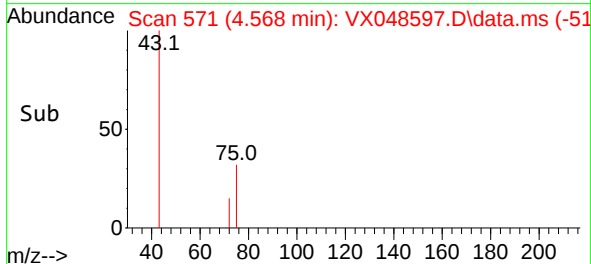
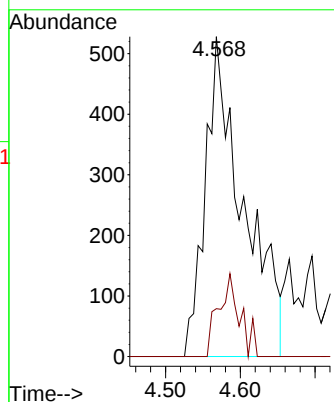
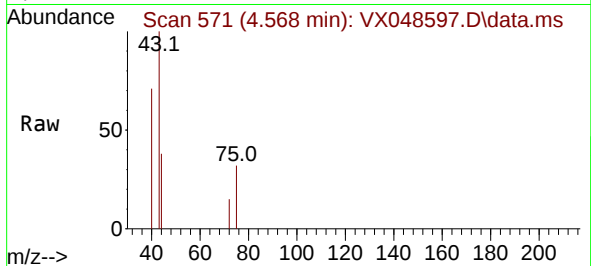




#25
2-Butanone
Concen: 1.391 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

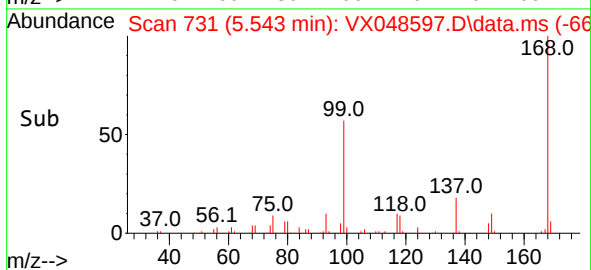
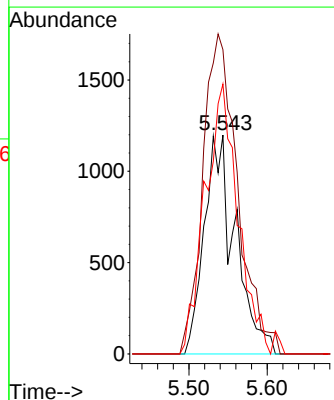
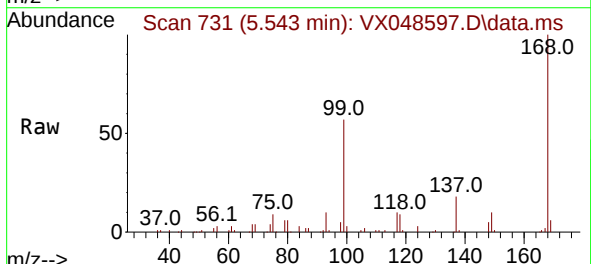
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

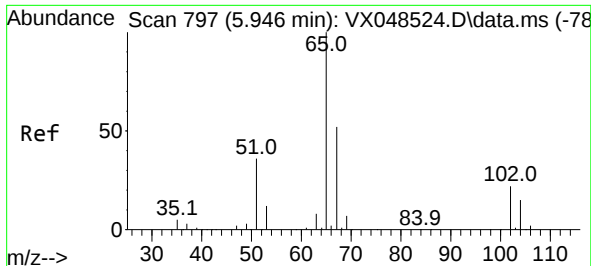
Tgt Ion: 43 Resp: 1859
Ion Ratio Lower Upper
43 100
72 15.0 21.5 32.3#



#31
Cyclohexane
Concen: 1.286 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

Tgt Ion: 56 Resp: 3295
Ion Ratio Lower Upper
56 100
69 139.1 23.4 35.2#
84 123.4 66.3 99.5#

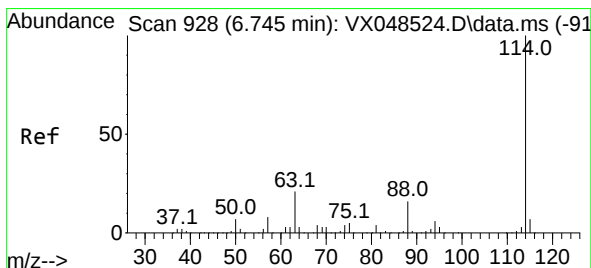
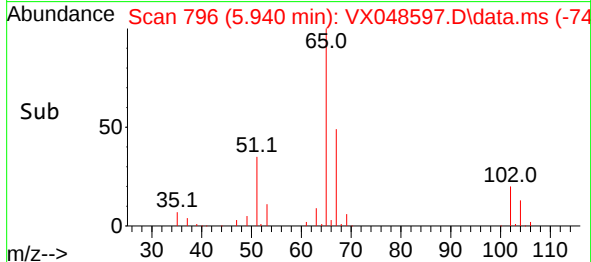
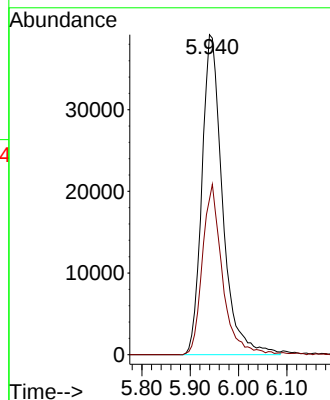
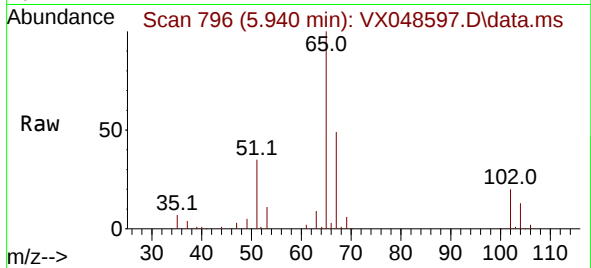




#33
 1,2-Dichloroethane-d4
 Concen: 60.847 ug/l
 RT: 5.940 min Scan# 797
 Delta R.T. -0.007 min
 Lab File: VX048597.D
 Acq: 13 Nov 2025 15:45

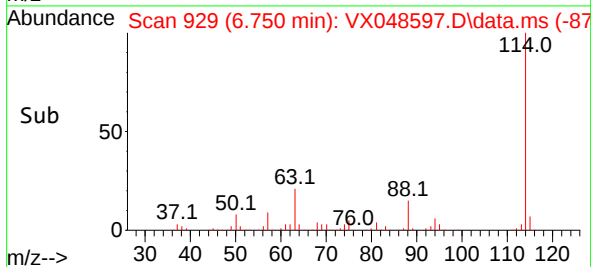
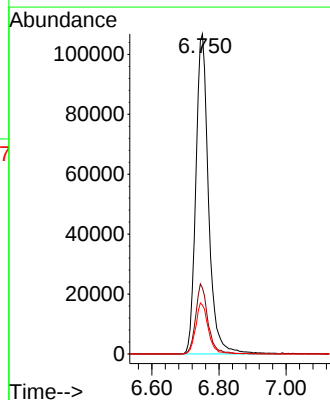
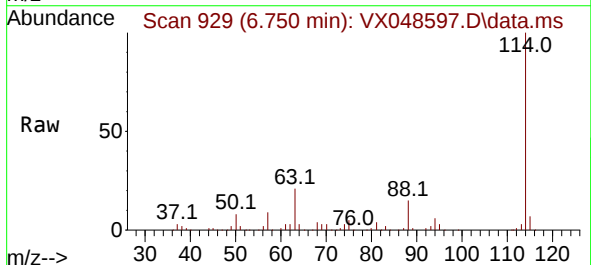
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-713-COMP-01

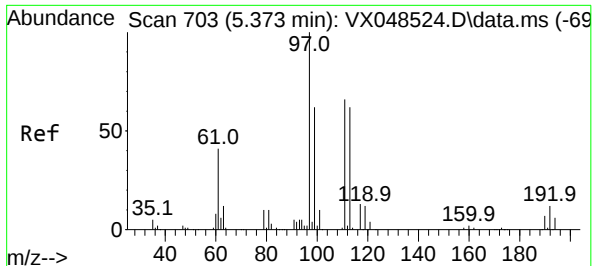
Tgt Ion: 65 Resp: 116119
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.750 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048597.D
 Acq: 13 Nov 2025 15:45

Tgt Ion: 114 Resp: 280432
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.2
 88 15.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 43.822 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048597.D

Acq: 13 Nov 2025 15:45

Instrument :

MSVOA_X

ClientSampleId :

AU-713-COMP-01

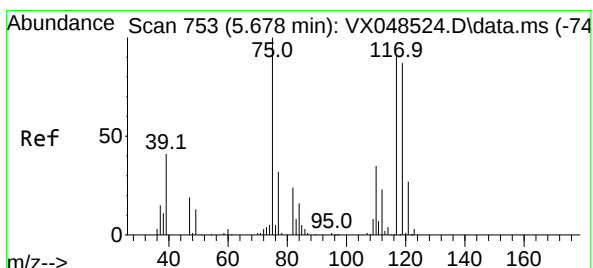
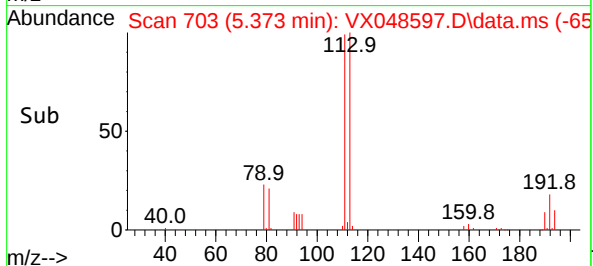
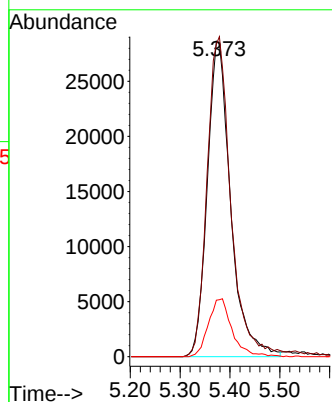
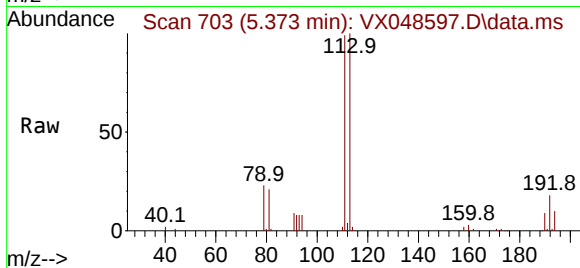
Tgt Ion:113 Resp: 93011

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

192 18.6 15.8 23.6



#36

1,1-Dichloropropene

Concen: 4.095 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.135 min

Lab File: VX048597.D

Acq: 13 Nov 2025 15:45

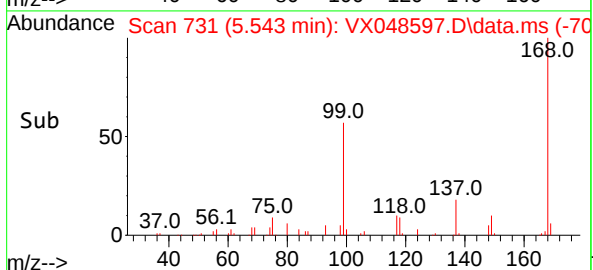
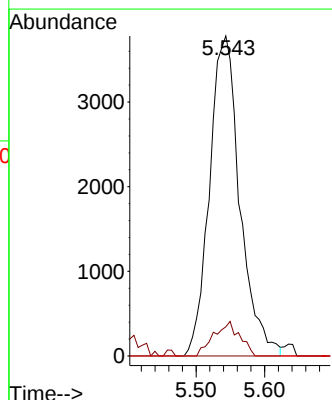
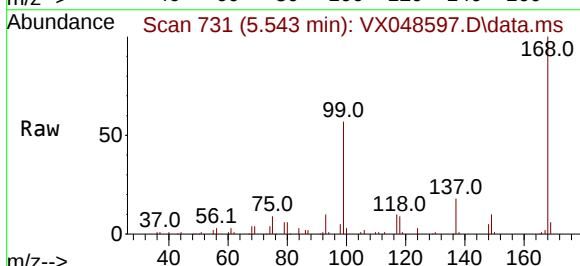
Tgt Ion: 75 Resp: 11639

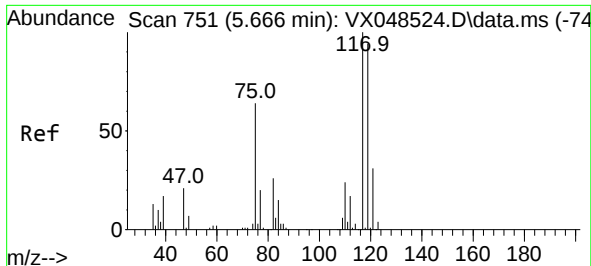
Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.4#

77 0.0 24.6 37.0#

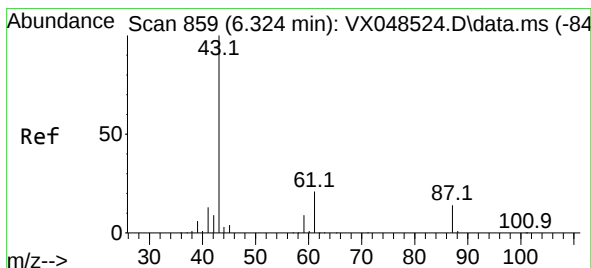
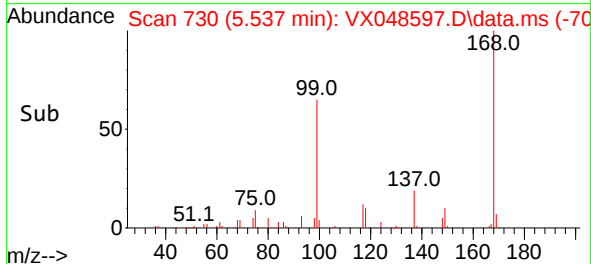
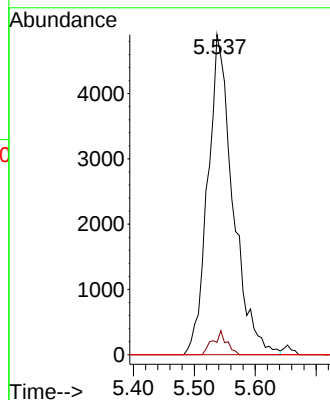
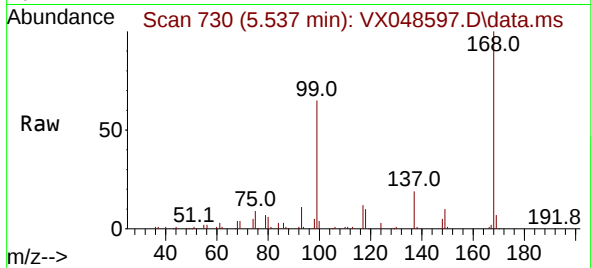




#38
Carbon Tetrachloride
Concen: 4.349 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

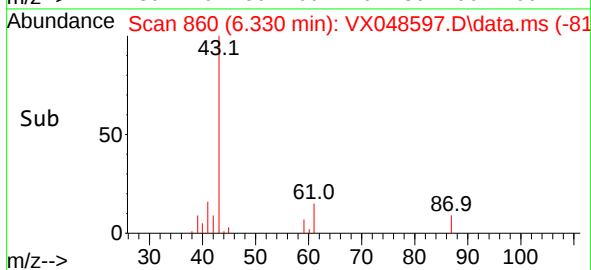
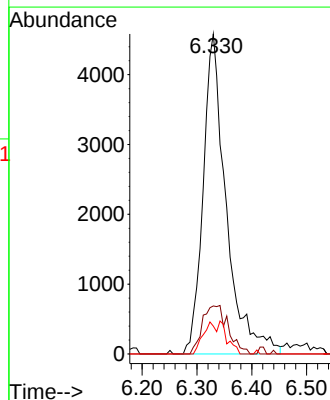
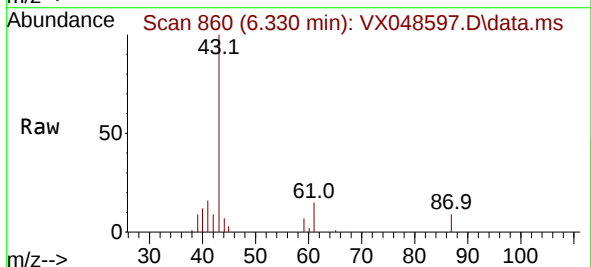
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

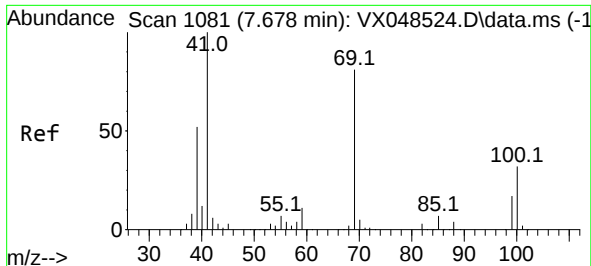
Tgt Ion:117 Resp: 14069
Ion Ratio Lower Upper
117 100
119 3.9 74.5 111.7#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 2.380 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

Tgt Ion: 43 Resp: 13384
Ion Ratio Lower Upper
43 100
61 16.9 16.2 24.4
87 5.7 10.9 16.3#

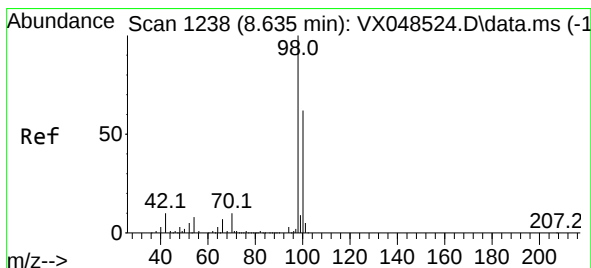
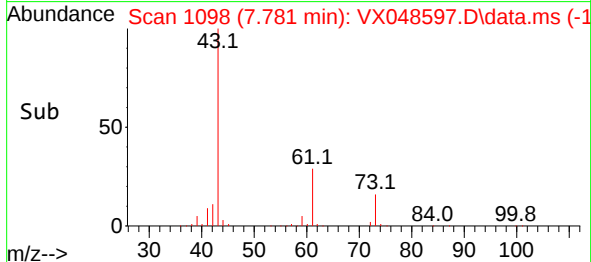
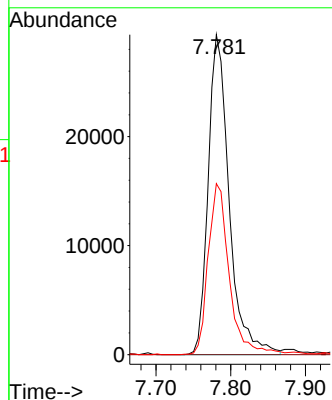
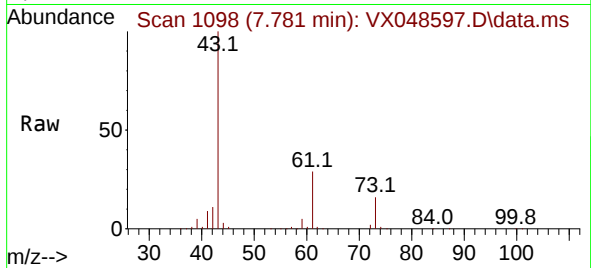




#48
Methyl methacrylate
Concen: 22.871 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.103 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

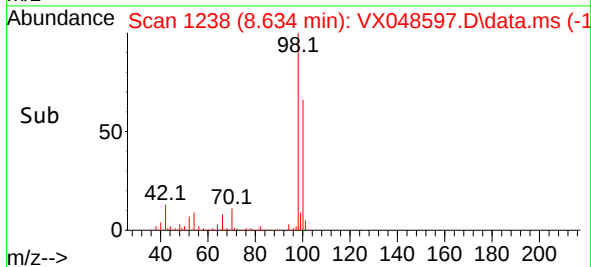
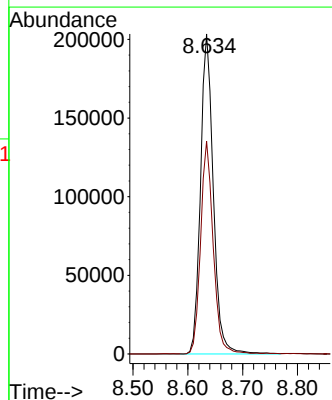
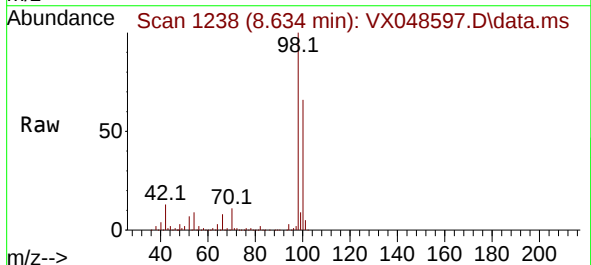
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

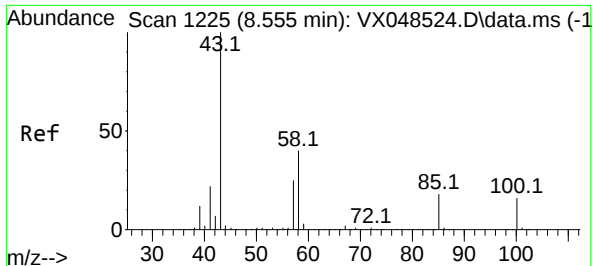
Tgt Ion: 41 Resp: 57175
Ion Ratio Lower Upper
41 100
69 0.0 67.9 101.9#
39 53.6 42.2 63.2



#50
Toluene-d8
Concen: 49.911 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

Tgt Ion: 98 Resp: 330398
Ion Ratio Lower Upper
98 100
100 65.5 53.6 80.4

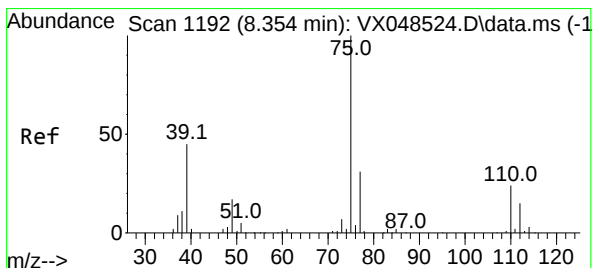
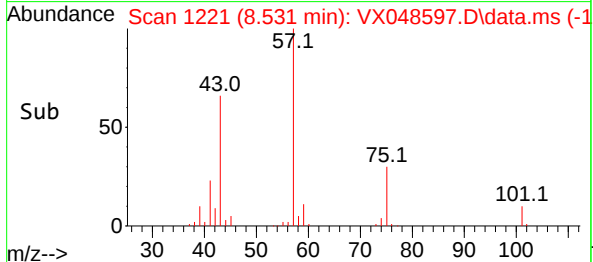
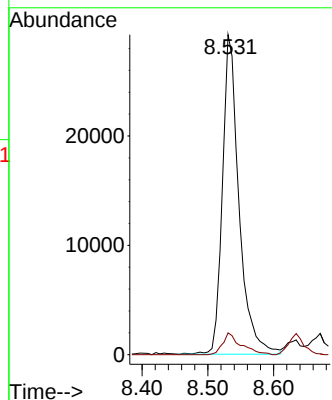
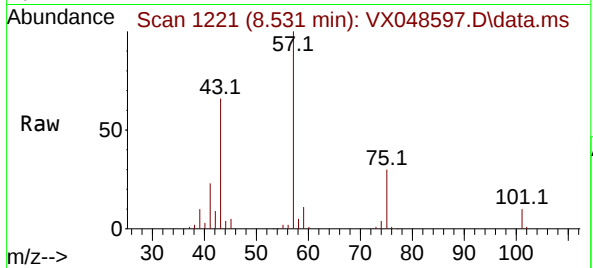




#51
4-Methyl-2-Pentanone
Concen: 15.991 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.025 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

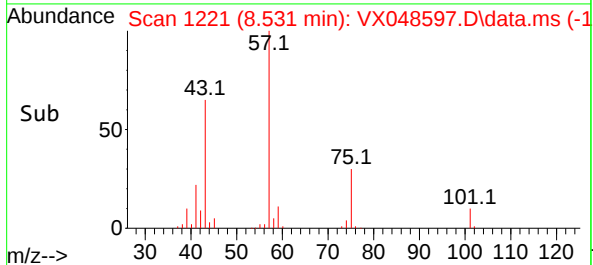
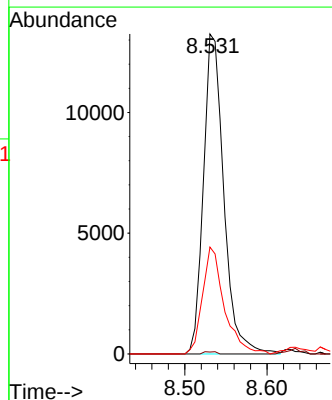
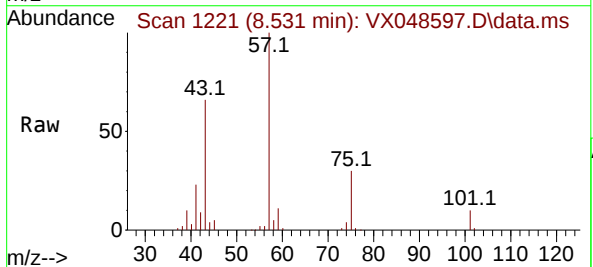
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

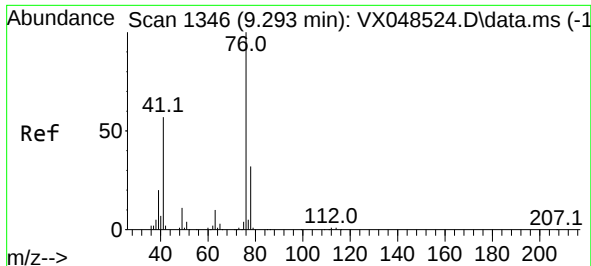
Tgt Ion: 43 Resp: 51190
Ion Ratio Lower Upper
43 100
58 7.6 32.3 48.5#



#54
cis-1,3-Dichloropropene
Concen: 7.244 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.176 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

Tgt Ion: 75 Resp: 22781
Ion Ratio Lower Upper
75 100
77 0.6 24.7 37.1#
39 33.4 36.1 54.1#





#57

1,3-Dichloropropane

Concen: 0.663 ug/l

RT: 9.469 min Scan# 1375

Delta R.T. 0.176 min

Lab File: VX048597.D

Acq: 13 Nov 2025 15:45

Instrument :

MSVOA_X

ClientSampleId :

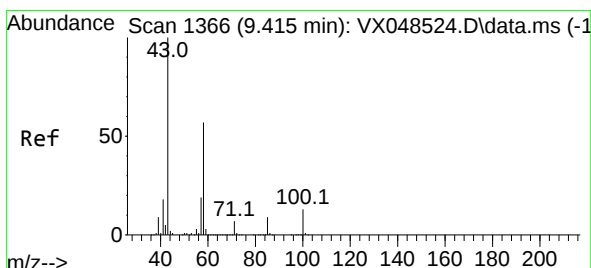
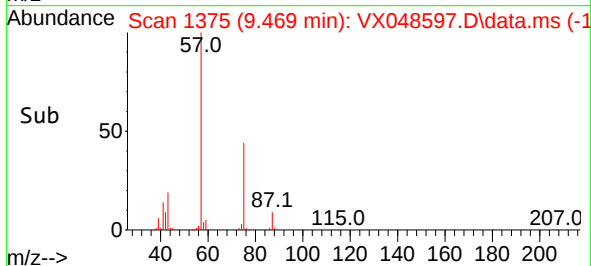
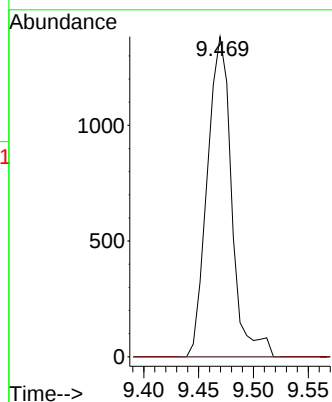
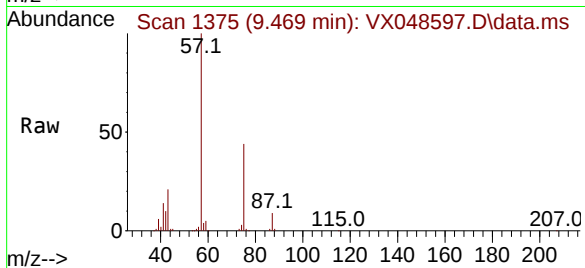
AU-713-COMP-01

Tgt Ion: 76 Resp: 2140

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 11.840 ug/l

RT: 9.469 min Scan# 1375

Delta R.T. 0.054 min

Lab File: VX048597.D

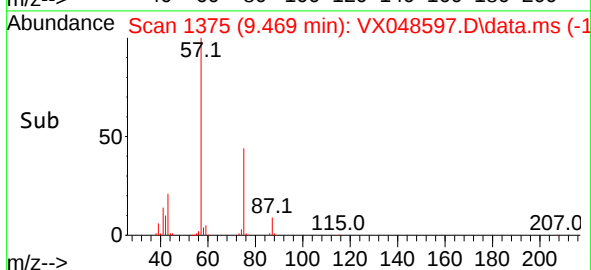
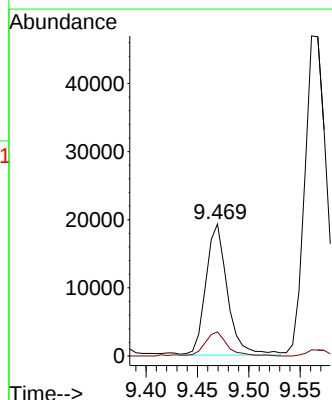
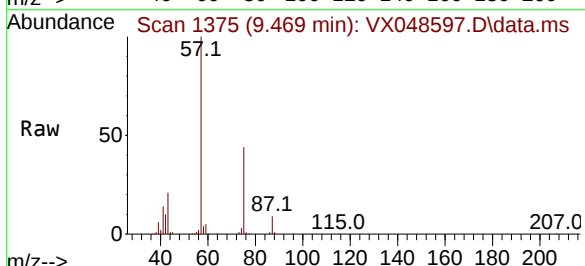
Acq: 13 Nov 2025 15:45

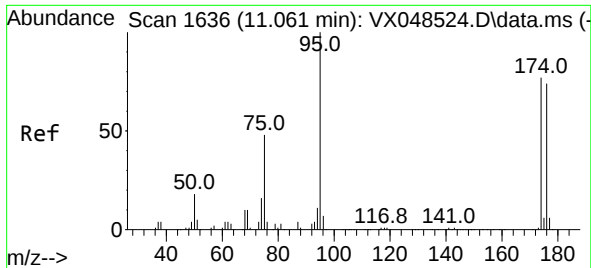
Tgt Ion: 43 Resp: 28193

Ion Ratio Lower Upper

43 100

58 19.6 28.1 84.2#

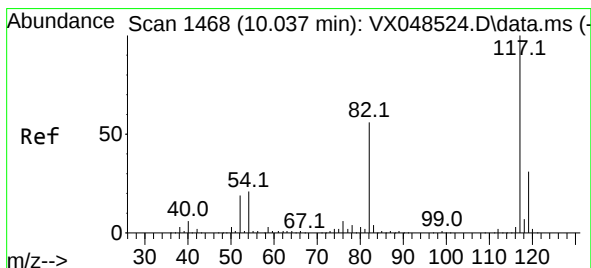
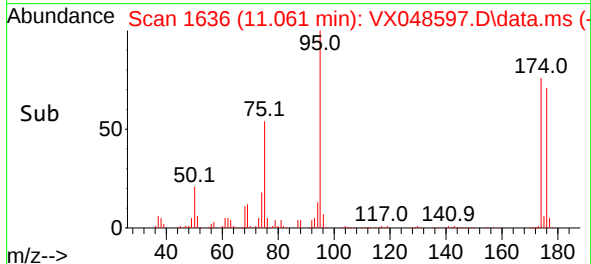
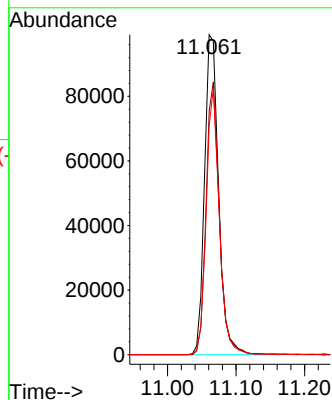
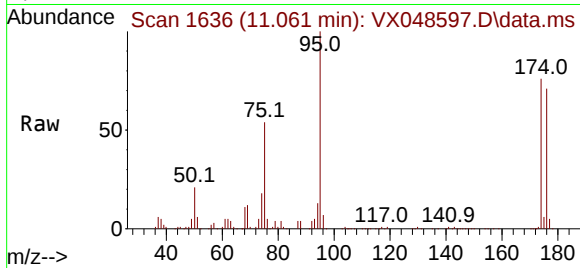




#62
4-Bromofluorobenzene
Concen: 57.543 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

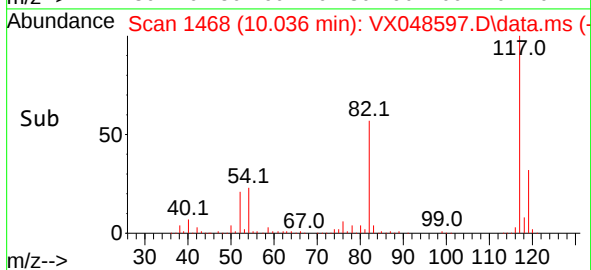
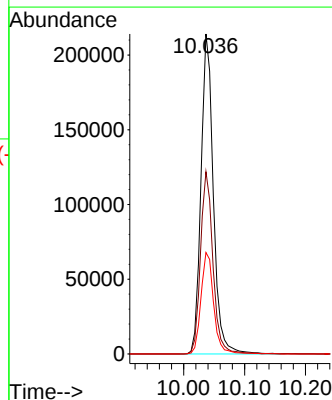
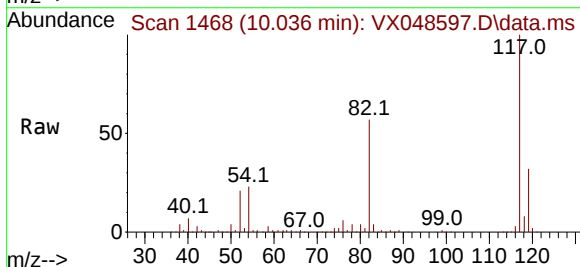
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-01

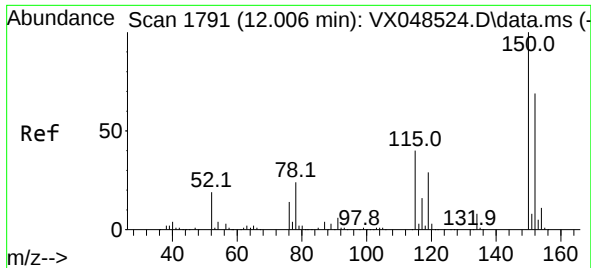
Tgt Ion: 95 Resp: 141954
Ion Ratio Lower Upper
95 100
174 80.6 0.0 161.8
176 77.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048597.D
Acq: 13 Nov 2025 15:45

Tgt Ion: 117 Resp: 302476
Ion Ratio Lower Upper
117 100
82 57.0 44.4 66.6
119 31.7 25.1 37.7

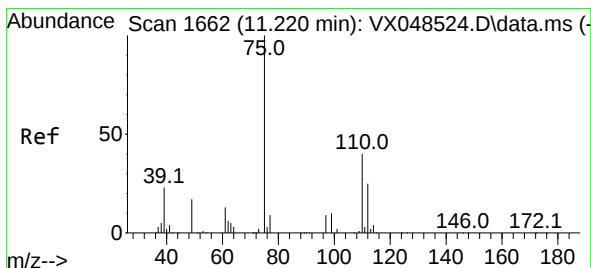
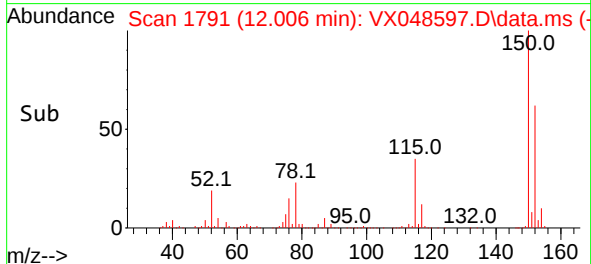
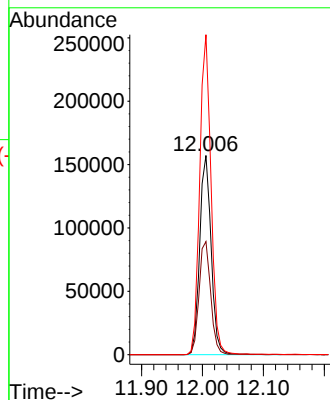
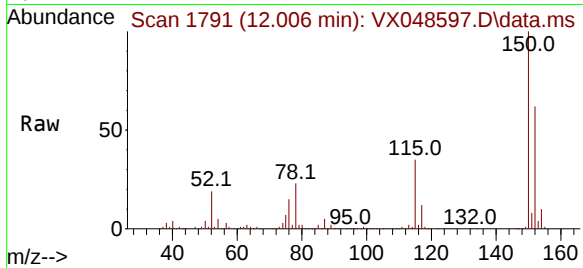




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048597.D
 Acq: 13 Nov 2025 15:45

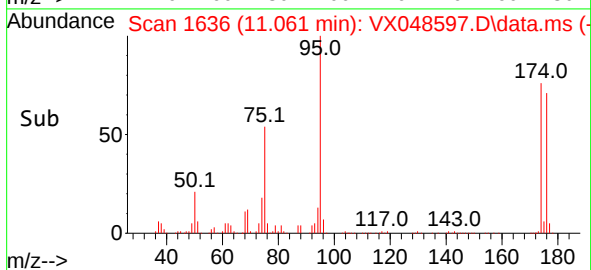
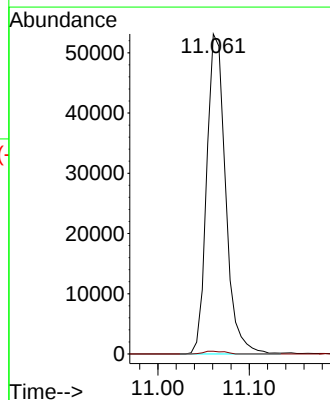
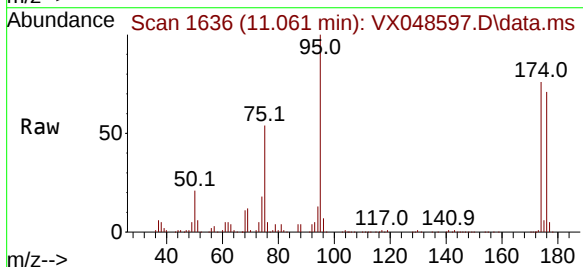
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-713-COMP-01

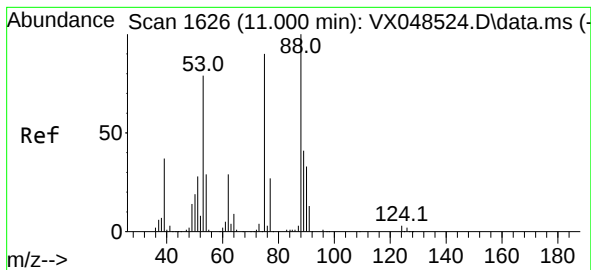
Tgt Ion:152 Resp: 204187
 Ion Ratio Lower Upper
 152 100
 115 58.0 39.2 117.6
 150 158.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 15.458 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048597.D
 Acq: 13 Nov 2025 15:45

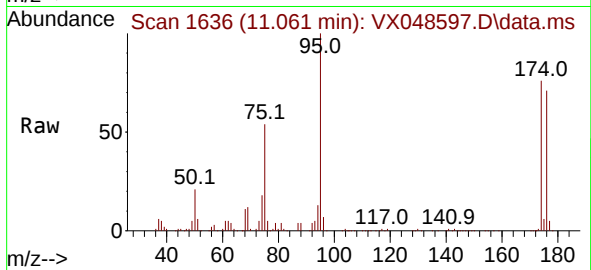
Tgt Ion: 75 Resp: 76040
 Ion Ratio Lower Upper
 75 100
 77 1.0 24.3 72.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.215 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048597.D
 Acq: 13 Nov 2025 15:45

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



Tgt Ion: 75 Resp: 76040
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.1 43.6 65.4#

