

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111325\
 Data File : VX048599.D
 Acq On : 13 Nov 2025 16:27
 Operator : JC/MD
 Sample : Q3609-15RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-713-COMP-05RE

Quant Time: Nov 14 04:25:59 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

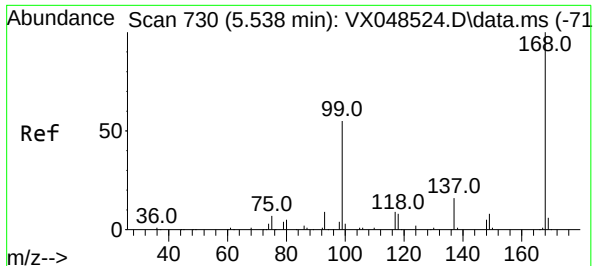
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	151779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	312476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	417156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	176357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	125800	59.482	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	118.960%#	
35) Dibromofluoromethane	5.373	113	104235	44.074	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	88.140%	
50) Toluene-d8	8.635	98	442067	59.932	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	119.860%#	
62) 4-Bromofluorobenzene	11.067	95	151921	55.268	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	110.540%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.941	59	323	0.806	ug/l #	71
16) Acetone	2.374	43	15641	15.624	ug/l	97
18) Methyl Acetate	2.703	43	3281	1.193	ug/l	97
20) Methylene Chloride	2.788	84	10443	5.074	ug/l	86
25) 2-Butanone	4.568	43	1376	0.929	ug/l	97
29) Tetrahydrofuran	5.007	42	432	0.409	ug/l #	69
31) Cyclohexane	5.544	56	3246	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	12571	3.970	ug/l #	48
38) Carbon Tetrachloride	5.538	117	15411	4.275	ug/l #	18
43) Isopropyl Acetate	6.324	43	13853	2.211	ug/l	95
48) Methyl methacrylate	7.781	41	72037	25.861	ug/l #	41
51) 4-Methyl-2-Pentanone	8.537	43	59569	16.700	ug/l #	48
54) cis-1,3-Dichloropropene	8.537	75	28797	8.218	ug/l #	60
57) 1,3-Dichloropropane	9.470	76	2763	0.769	ug/l #	42
59) 2-Hexanone	9.470	43	37389	14.091	ug/l #	49
76) 1,2,3-Trichloropropane	11.061	75	81248	19.123	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	81248	54.698	ug/l #	12

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

Quant Time: Nov 14 04:25:59 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

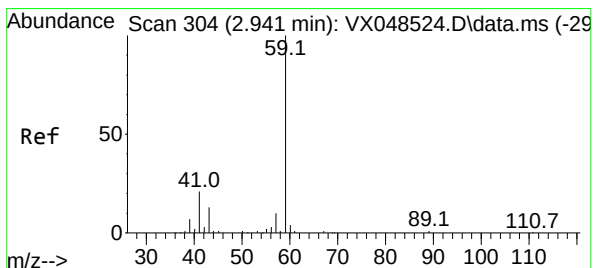
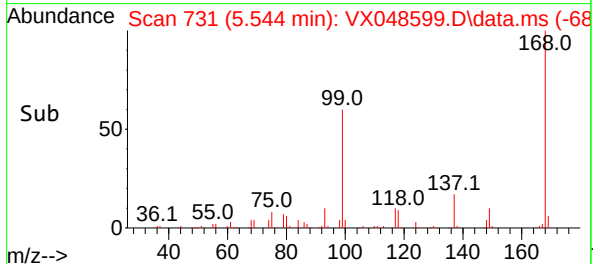
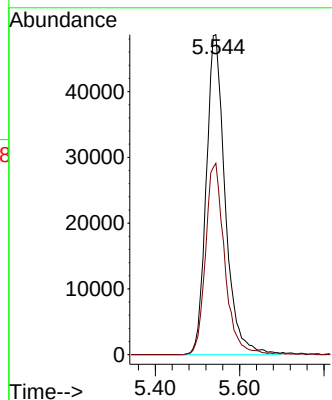
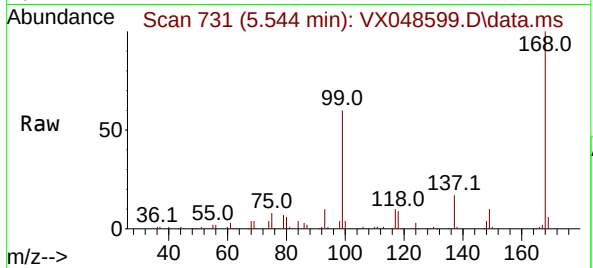




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

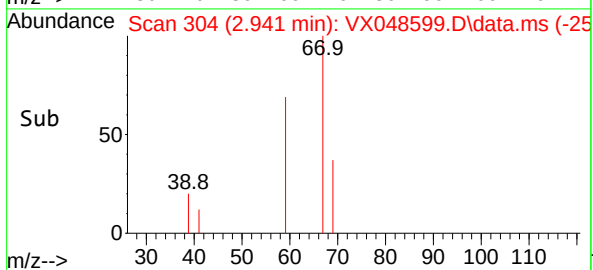
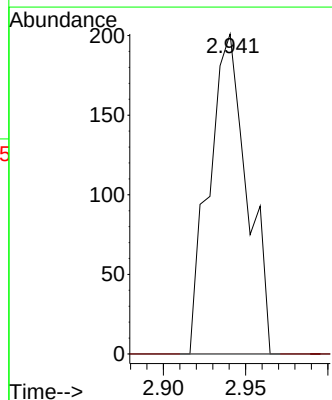
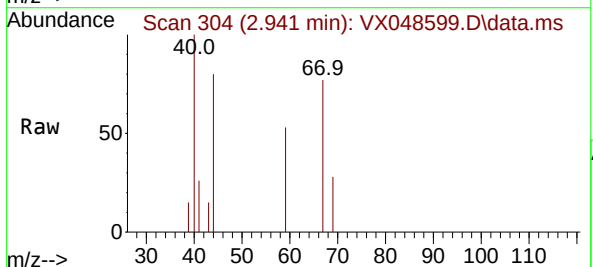
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-05RE

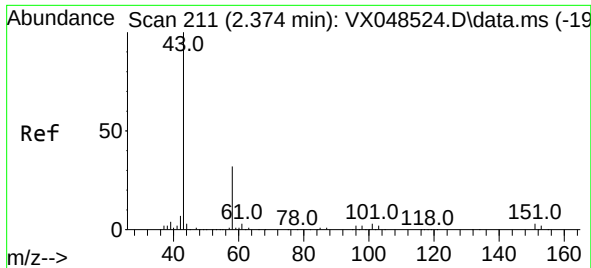
Tgt Ion:168 Resp: 151779
Ion Ratio Lower Upper
168 100
99 59.8 45.2 67.8



#11
Tert butyl alcohol
Concen: 0.806 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

Tgt Ion: 59 Resp: 323
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

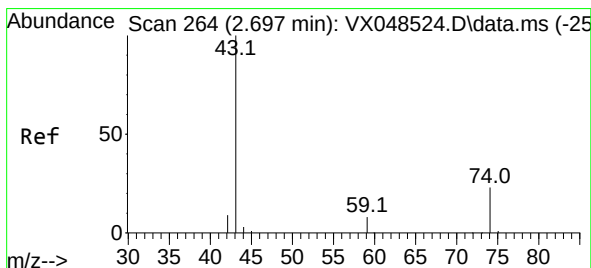
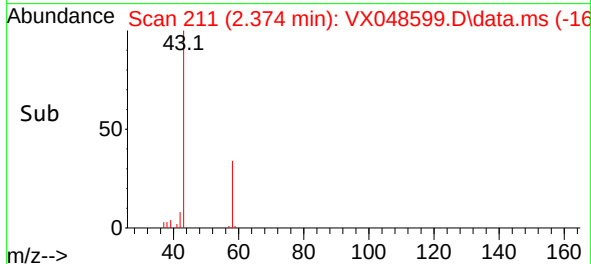
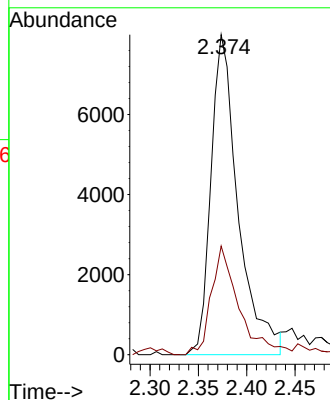
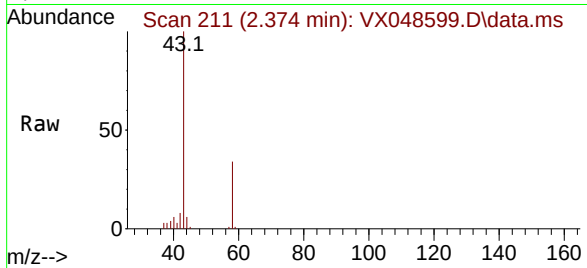




#16
Acetone
Concen: 15.624 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

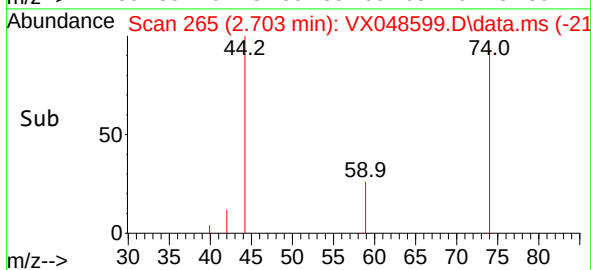
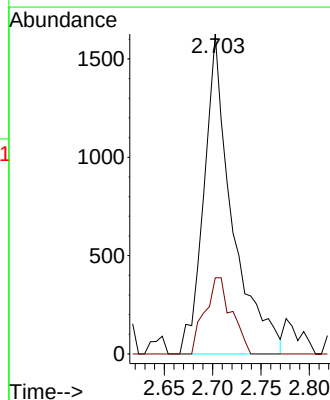
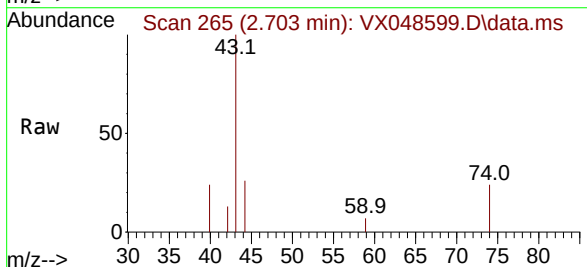
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-05RE

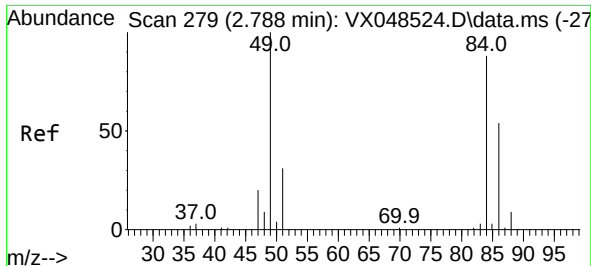
Tgt Ion: 43 Resp: 15641
Ion Ratio Lower Upper
43 100
58 33.9 25.8 38.6



#18
Methyl Acetate
Concen: 1.193 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

Tgt Ion: 43 Resp: 3281
Ion Ratio Lower Upper
43 100
74 22.6 19.1 28.7





#20

Methylene Chloride

Concen: 5.074 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048599.D

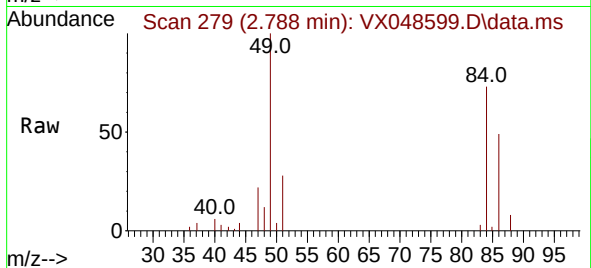
Acq: 13 Nov 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

AU-713-COMP-05RE



Tgt Ion: 84 Resp: 10443

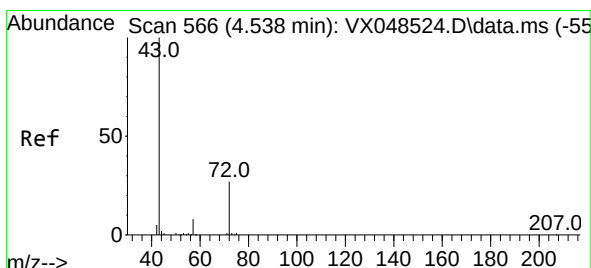
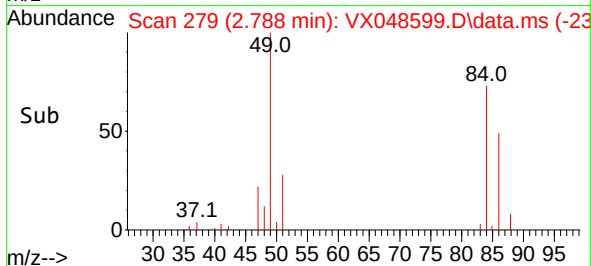
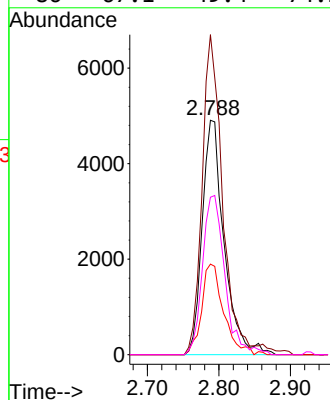
Ion Ratio Lower Upper

84 100

49 136.5 91.2 136.8

51 38.6 28.3 42.5

86 67.1 49.4 74.2



#25

2-Butanone

Concen: 0.929 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.030 min

Lab File: VX048599.D

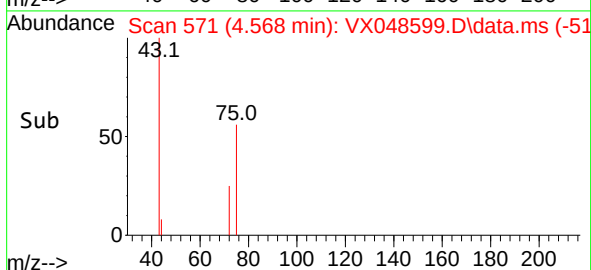
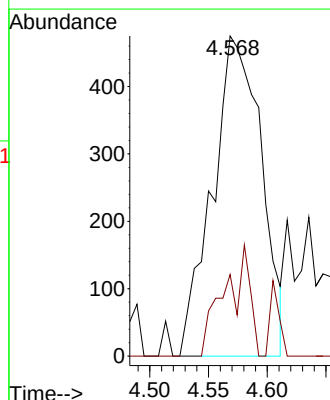
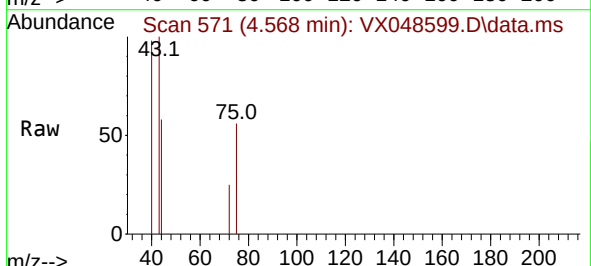
Acq: 13 Nov 2025 16:27

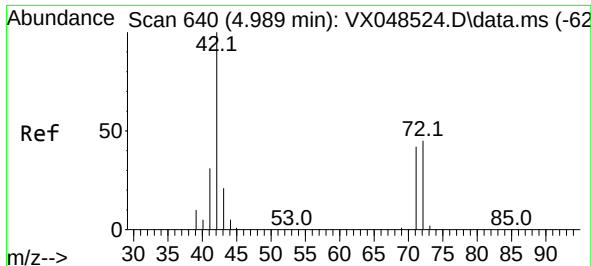
Tgt Ion: 43 Resp: 1376

Ion Ratio Lower Upper

43 100

72 25.5 21.5 32.3





#29

Tetrahydrofuran

Concen: 0.409 ug/l

RT: 5.007 min Scan# 640

Delta R.T. 0.018 min

Lab File: VX048599.D

Acq: 13 Nov 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

AU-713-COMP-05RE

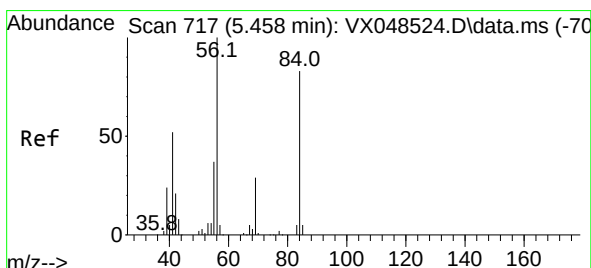
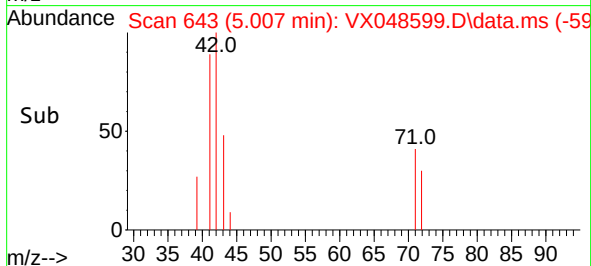
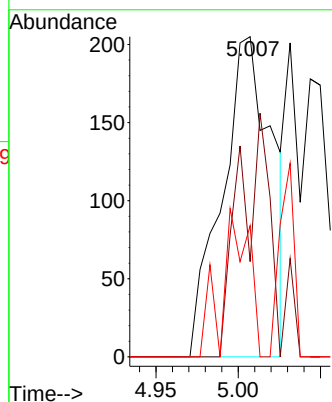
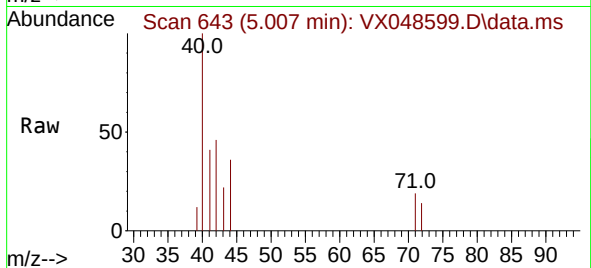
Tgt Ion: 42 Resp: 432

Ion Ratio Lower Upper

42 100

72 23.1 36.3 54.5#

71 25.2 34.1 51.1#



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX048599.D

Acq: 13 Nov 2025 16:27

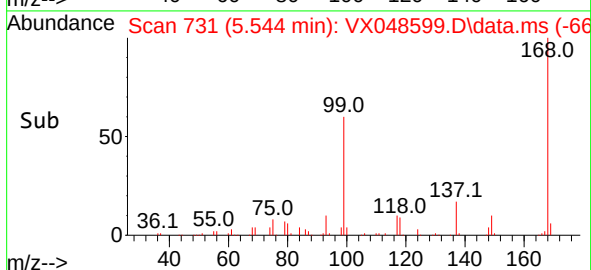
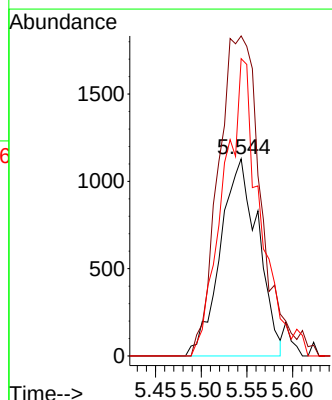
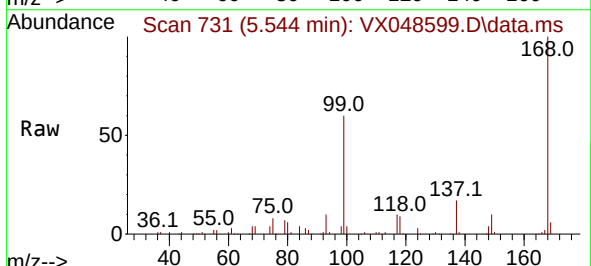
Tgt Ion: 56 Resp: 3246

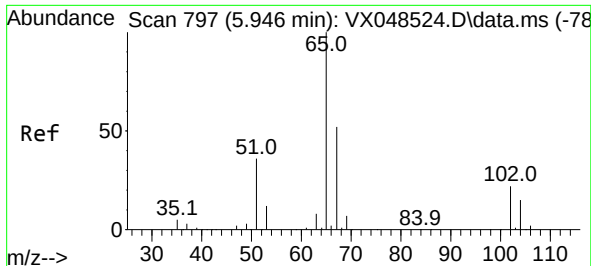
Ion Ratio Lower Upper

56 100

69 162.4 23.4 35.2#

84 150.8 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 59.482 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX048599.D

Acq: 13 Nov 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

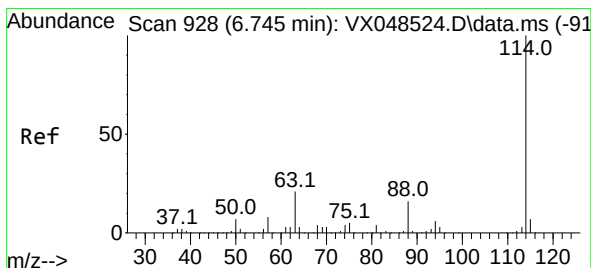
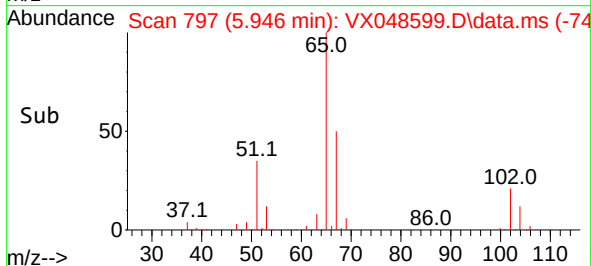
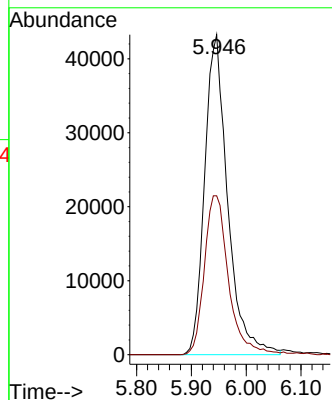
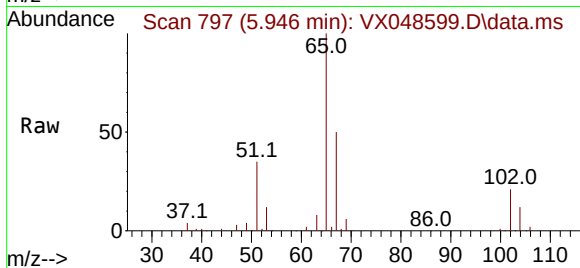
AU-713-COMP-05RE

Tgt Ion: 65 Resp: 125800

Ion Ratio Lower Upper

65 100

67 52.4 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: VX048599.D

Acq: 13 Nov 2025 16:27

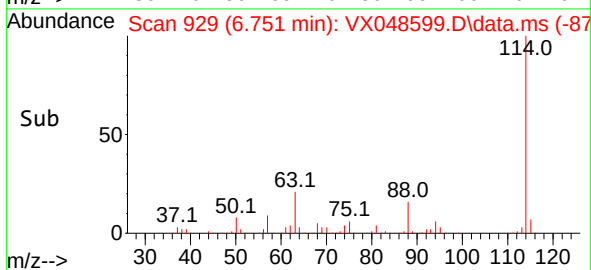
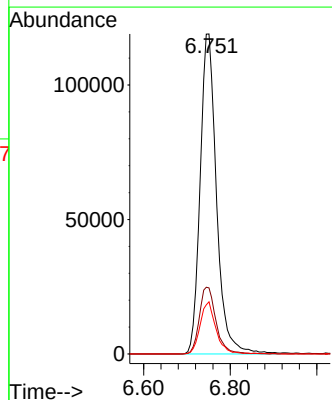
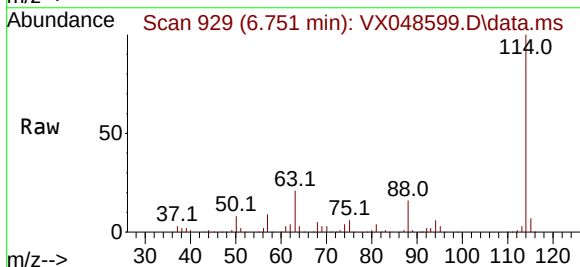
Tgt Ion: 114 Resp: 312476

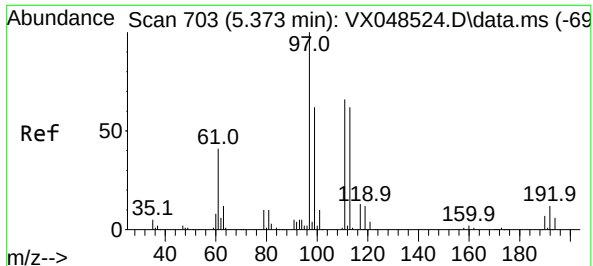
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.2

88 16.3 0.0 32.2

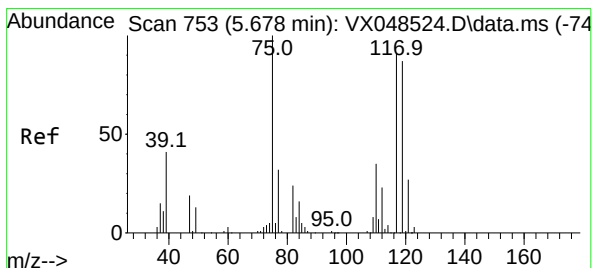
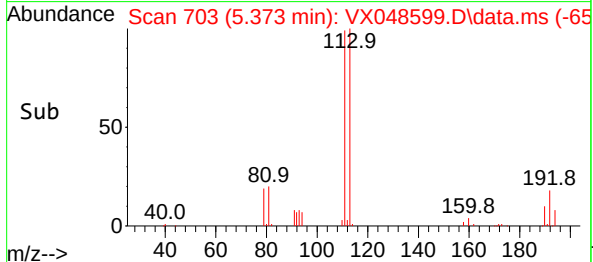
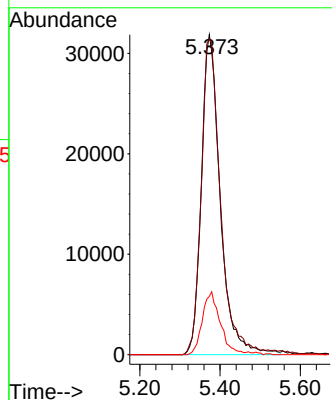
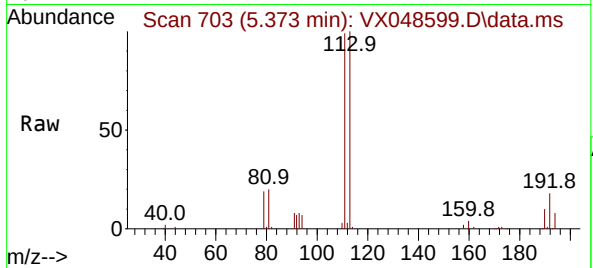




#35
Dibromofluoromethane
Concen: 44.074 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

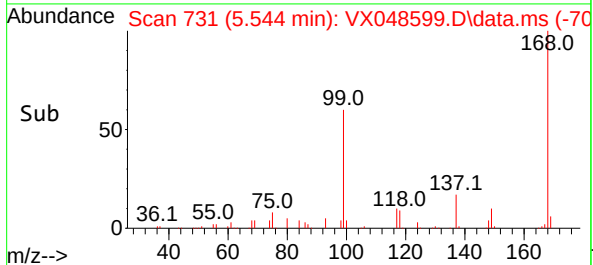
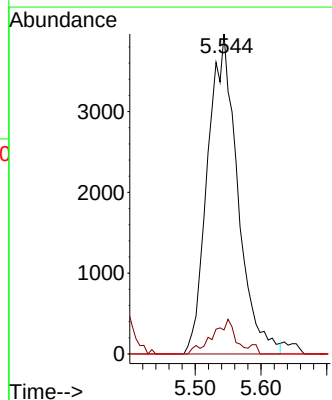
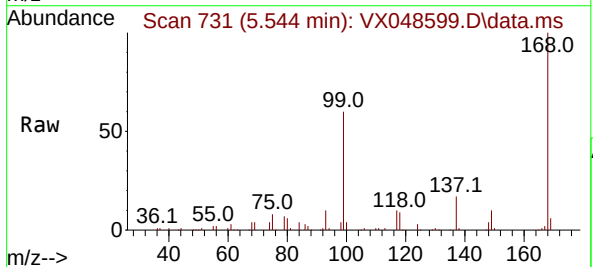
Instrument :
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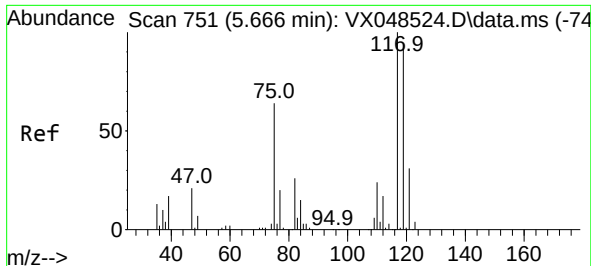
Tgt Ion:113 Resp: 104235
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 18.7 15.8 23.6



#36
1,1-Dichloropropene
Concen: 3.970 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

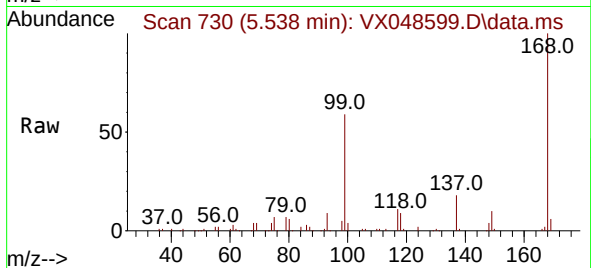
Tgt Ion: 75 Resp: 12571
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.4#
77 0.0 24.6 37.0#



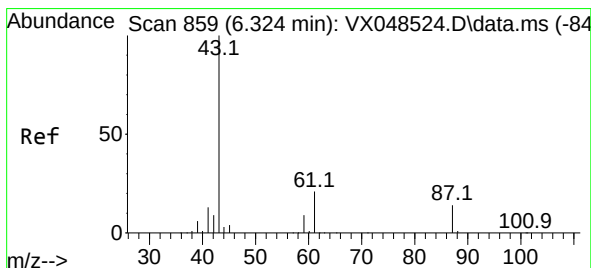
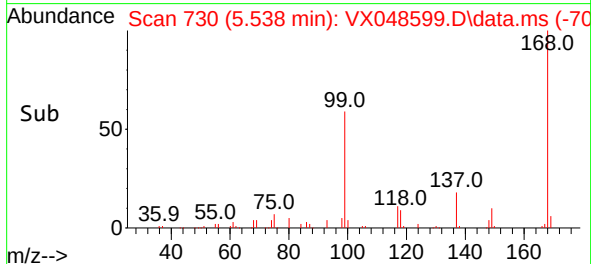
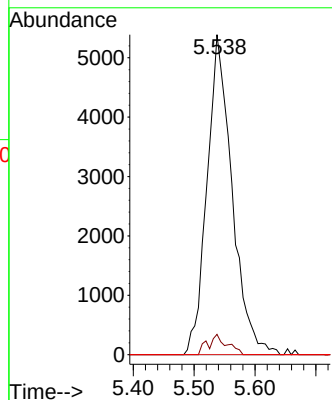


#38
Carbon Tetrachloride
Concen: 4.275 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-05RE

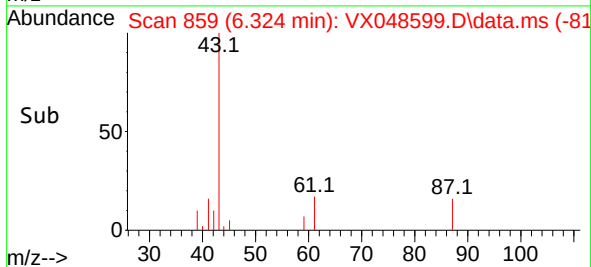
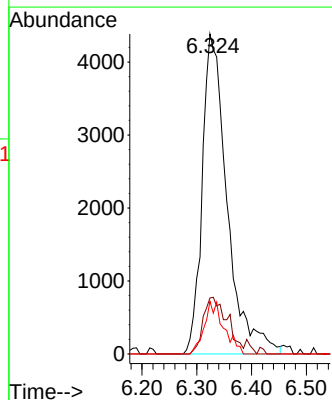
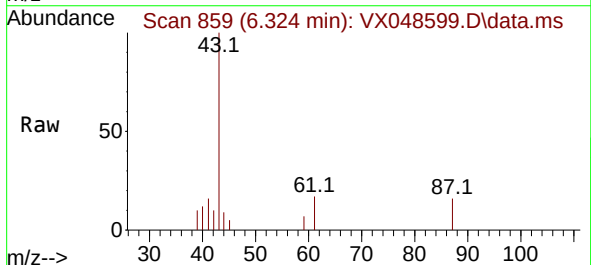


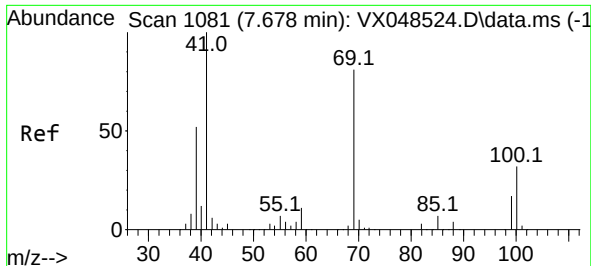
Tgt Ion:117 Resp: 15411
Ion Ratio Lower Upper
117 100
119 6.3 74.5 111.7#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 2.211 ug/l
RT: 6.324 min Scan# 859
Delta R.T. -0.000 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

Tgt Ion: 43 Resp: 13853
Ion Ratio Lower Upper
43 100
61 17.1 16.2 24.4
87 12.9 10.9 16.3





#48

Methyl methacrylate

Concen: 25.861 ug/l

RT: 7.781 min Scan# 1098

Delta R.T. 0.104 min

Lab File: VX048599.D

Acq: 13 Nov 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

AU-713-COMP-05RE

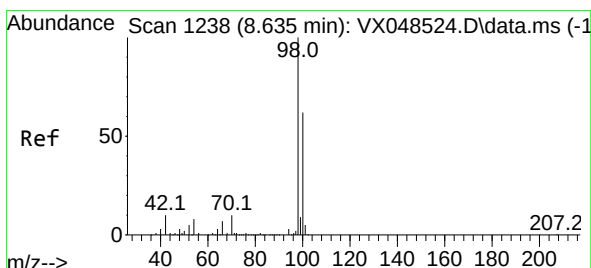
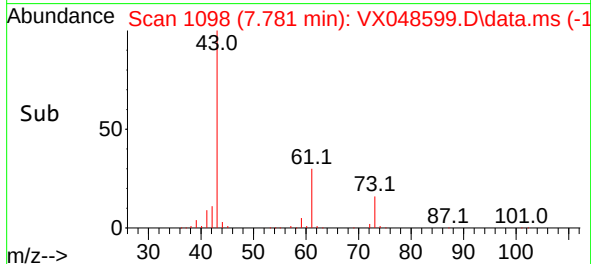
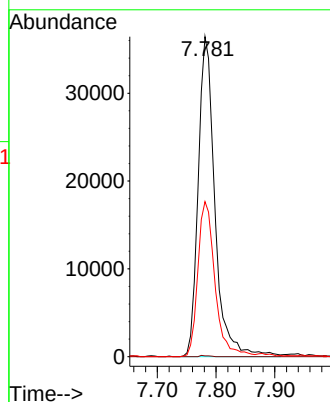
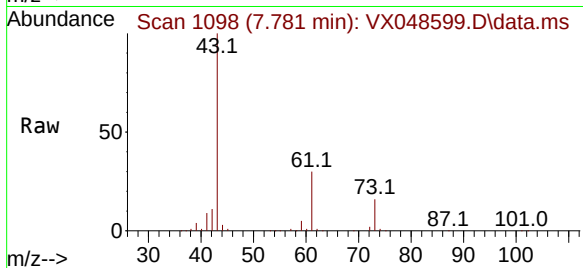
Tgt Ion: 41 Resp: 72037

Ion Ratio Lower Upper

41 100

69 0.2 67.9 101.9#

39 49.6 42.2 63.2



#50

Toluene-d8

Concen: 59.932 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048599.D

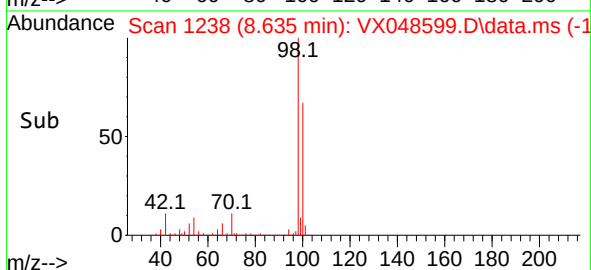
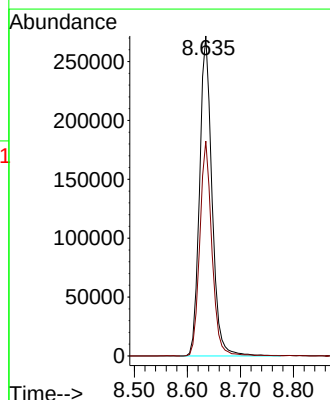
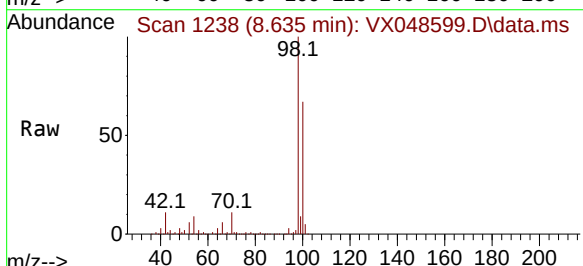
Acq: 13 Nov 2025 16:27

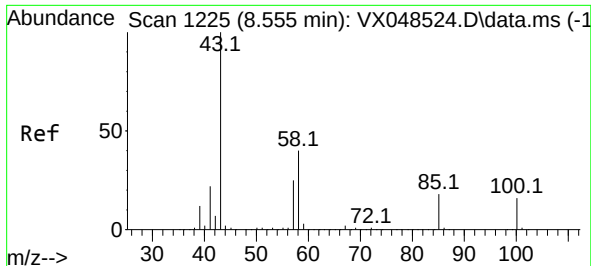
Tgt Ion: 98 Resp: 442067

Ion Ratio Lower Upper

98 100

100 65.8 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 16.700 ug/l

RT: 8.537 min Scan# 1222

Delta R.T. -0.018 min

Lab File: VX048599.D

Acq: 13 Nov 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

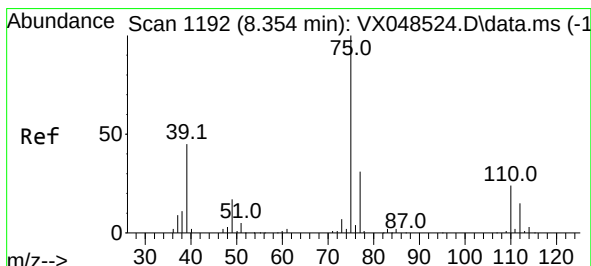
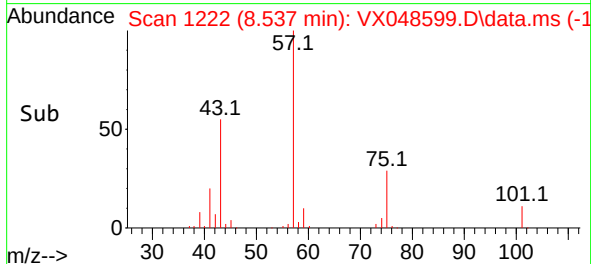
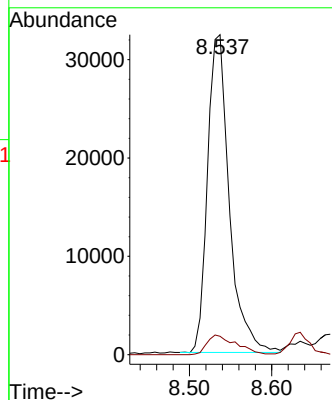
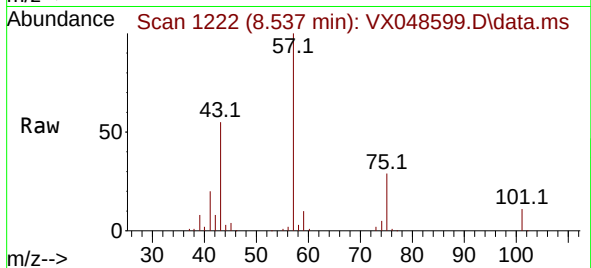
AU-713-COMP-05RE

Tgt Ion: 43 Resp: 59569

Ion Ratio Lower Upper

43 100

58 8.4 32.3 48.5#



#54

cis-1,3-Dichloropropene

Concen: 8.218 ug/l

RT: 8.537 min Scan# 1222

Delta R.T. 0.183 min

Lab File: VX048599.D

Acq: 13 Nov 2025 16:27

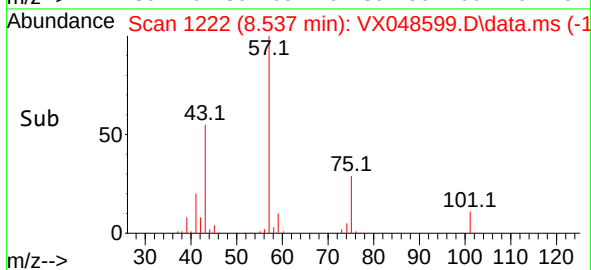
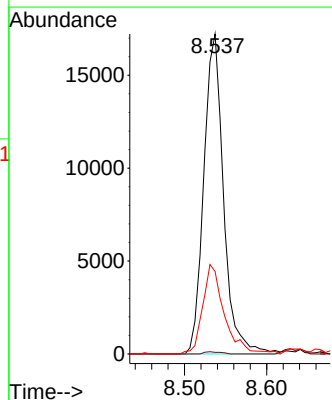
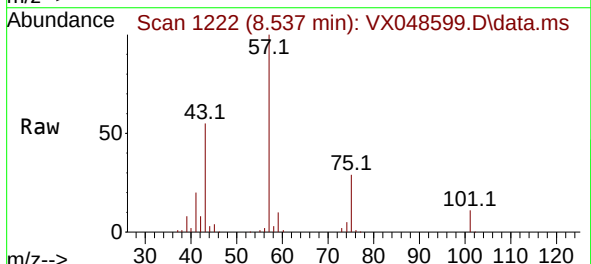
Tgt Ion: 75 Resp: 28797

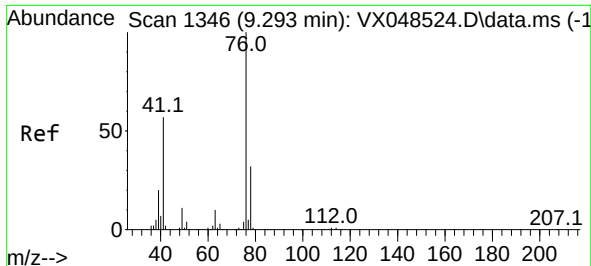
Ion Ratio Lower Upper

75 100

77 0.5 24.7 37.1#

39 25.8 36.1 54.1#





#57

1,3-Dichloropropane

Concen: 0.769 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.177 min

Lab File: VX048599.D

Acq: 13 Nov 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

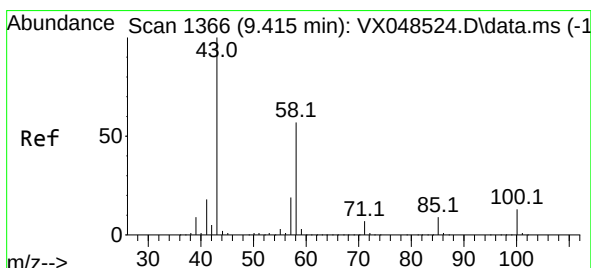
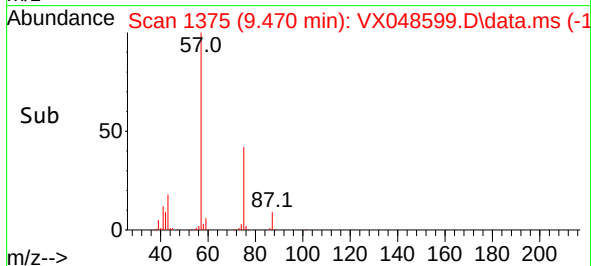
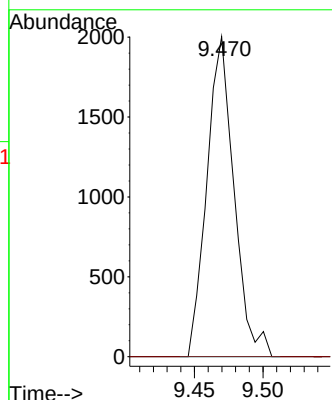
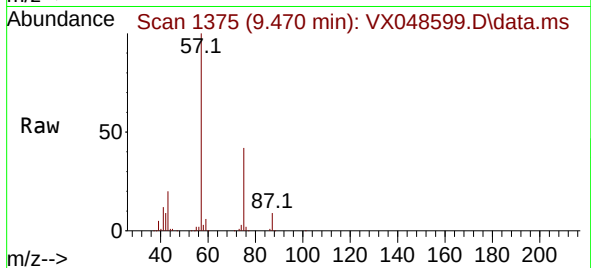
AU-713-COMP-05RE

Tgt Ion: 76 Resp: 2763

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 14.091 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.055 min

Lab File: VX048599.D

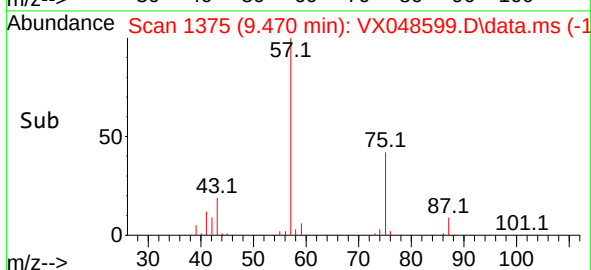
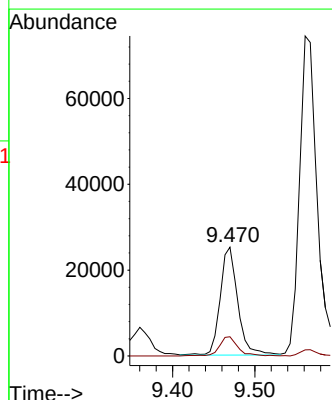
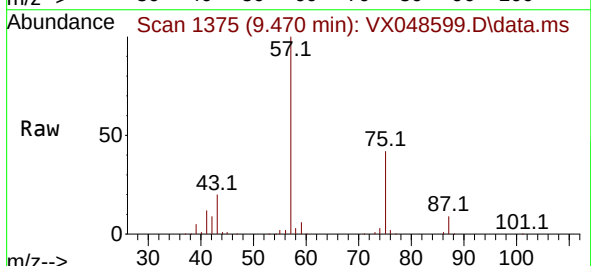
Acq: 13 Nov 2025 16:27

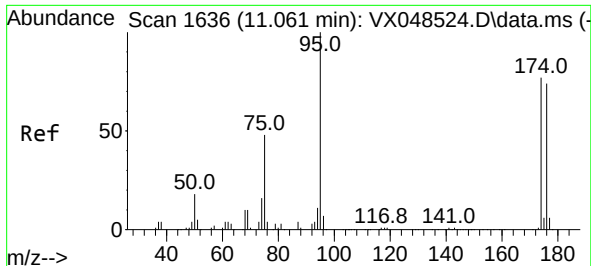
Tgt Ion: 43 Resp: 37389

Ion Ratio Lower Upper

43 100

58 19.0 28.1 84.2#

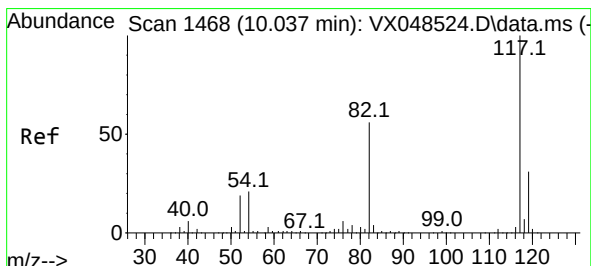
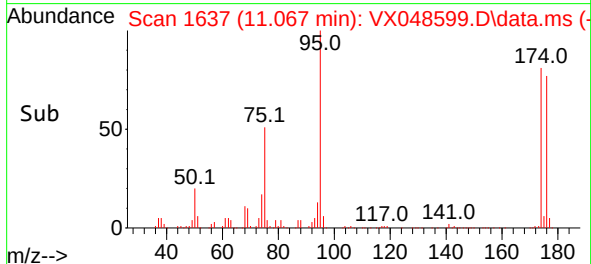
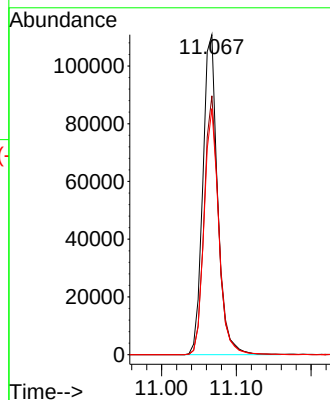
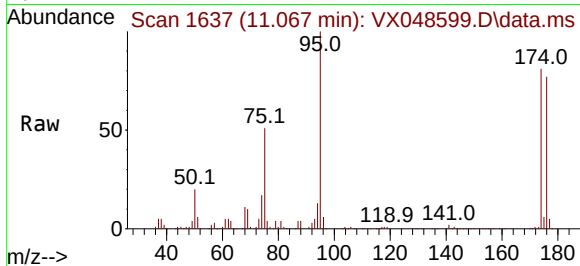




#62
4-Bromofluorobenzene
Concen: 55.268 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

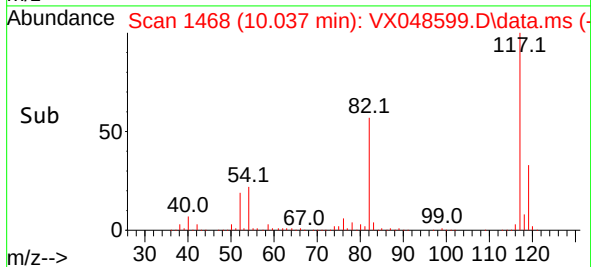
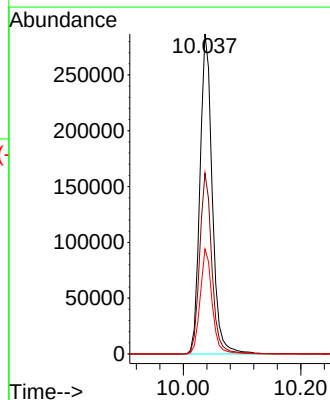
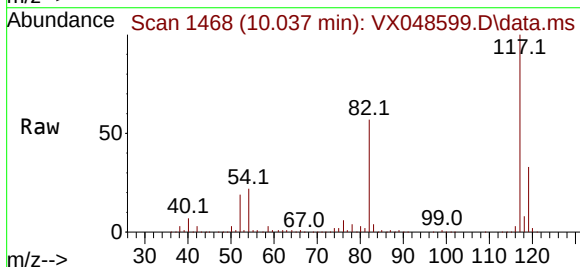
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-05RE

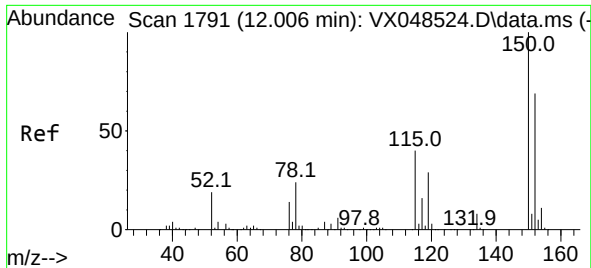
Tgt Ion: 95 Resp: 151921
Ion Ratio Lower Upper
95 100
174 79.9 0.0 161.8
176 76.6 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

Tgt Ion: 117 Resp: 417156
Ion Ratio Lower Upper
117 100
82 56.5 44.4 66.6
119 32.8 25.1 37.7

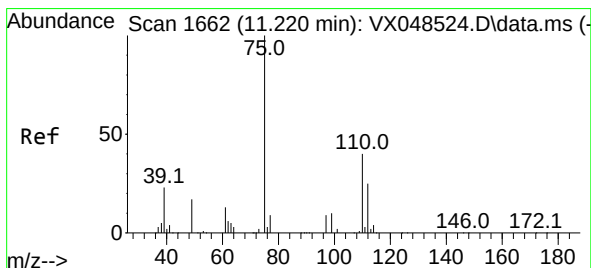
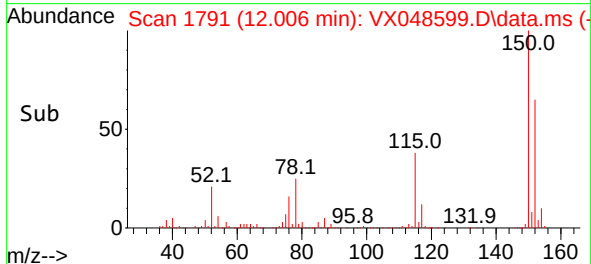
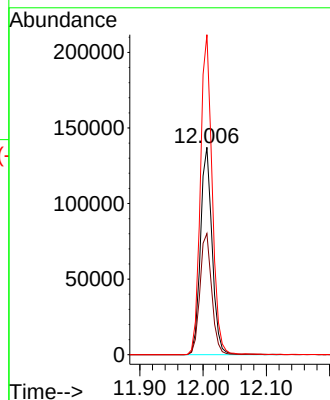
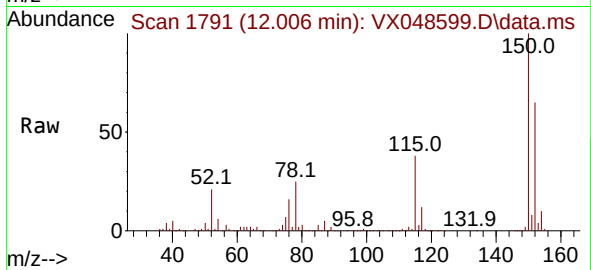




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

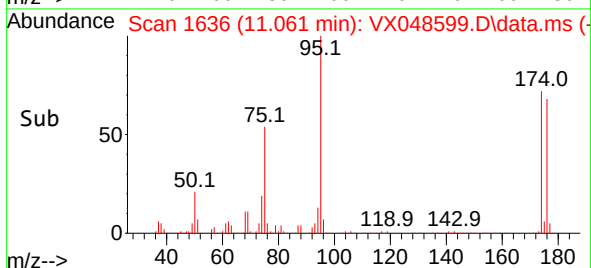
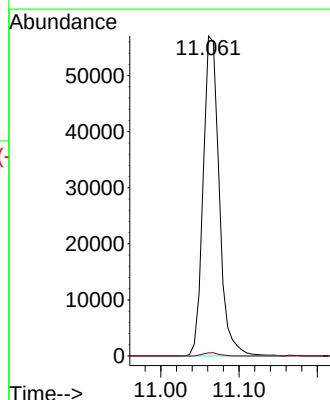
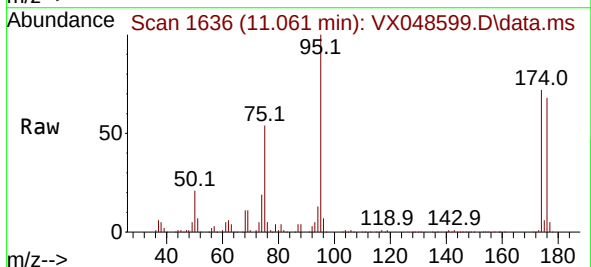
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-05RE

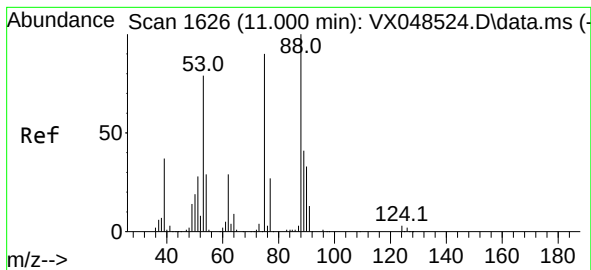
Tgt Ion:152 Resp: 176357
Ion Ratio Lower Upper
152 100
115 58.9 39.2 117.6
150 154.9 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 19.123 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048599.D
Acq: 13 Nov 2025 16:27

Tgt Ion: 75 Resp: 81248
Ion Ratio Lower Upper
75 100
77 1.0 24.3 72.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.698 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048599.D
 Acq: 13 Nov 2025 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-713-COMP-05RE

Tgt Ion: 75 Resp: 81248
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 43.6 65.4#

