

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044821.D
 Acq On : 03 Feb 2025 17:41
 Operator : JC/MD
 Sample : Q1235-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

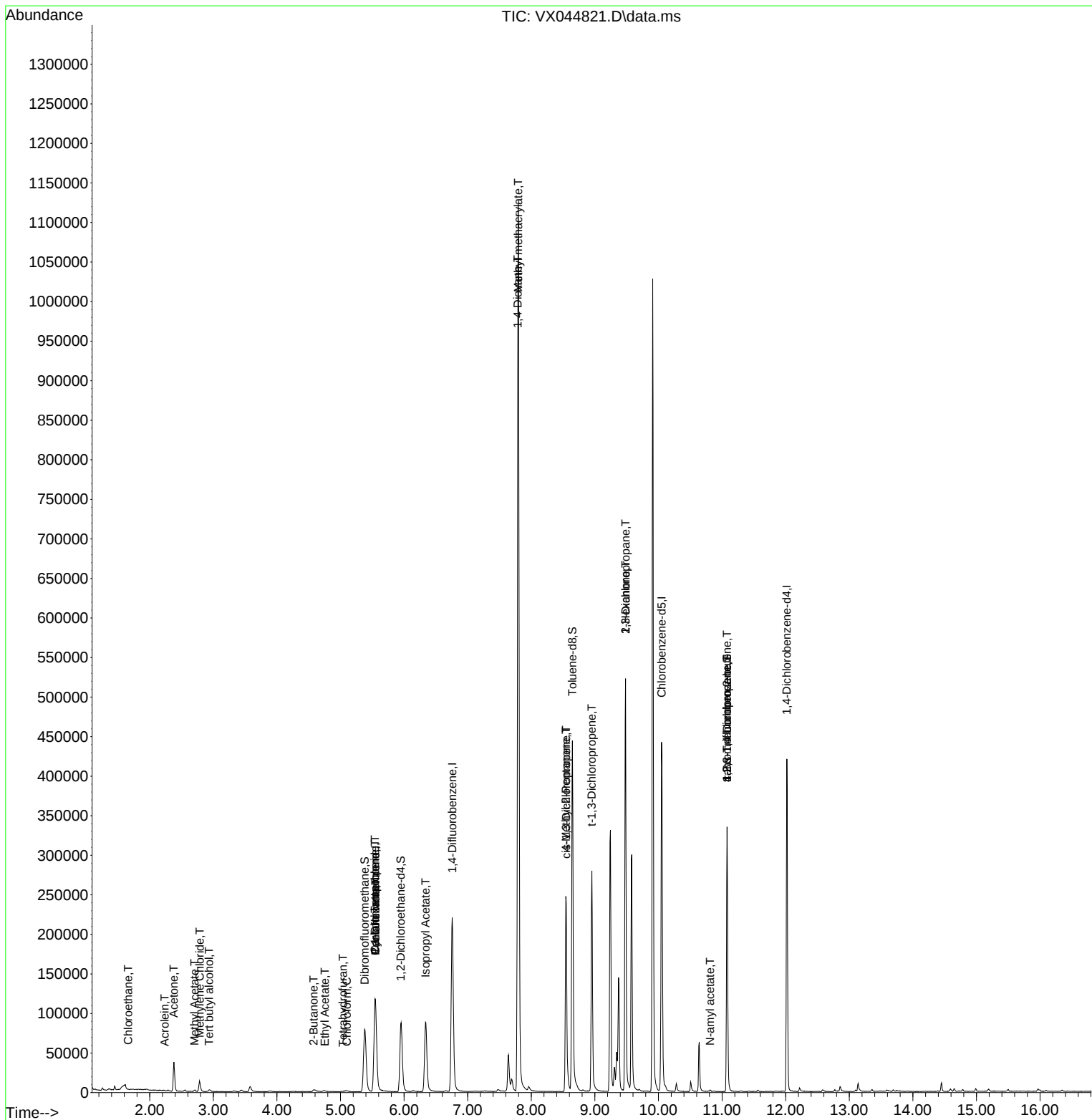
Quant Time: Feb 04 02:12:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

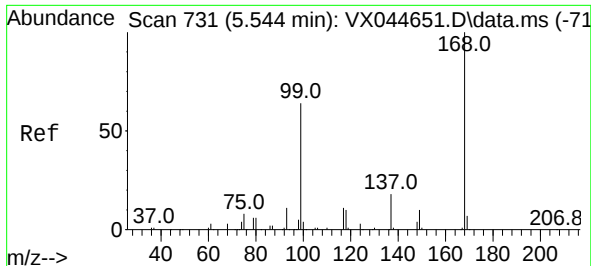
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	115557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234072	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	202229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	85260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81765	46.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.760%		
35) Dibromofluoromethane	5.379	113	72126	48.504	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.000%		
50) Toluene-d8	8.647	98	274439	52.930	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.860%		
62) 4-Bromofluorobenzene	11.079	95	93684	48.468	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.940%		
Target Compounds						Qvalue
6) Chloroethane	1.660	64	116	0.381	ug/l #	41
11) Tert butyl alcohol	2.934	59	1463	3.762	ug/l #	85
13) Acrolein	2.233	56	120	0.656	ug/l #	1
16) Acetone	2.380	43	36941	53.530	ug/l	97
18) Methyl Acetate	2.703	43	2646	1.243	ug/l #	88
20) Methylene Chloride	2.788	84	6002	3.735	ug/l	97
25) 2-Butanone	4.574	43	5522	5.382	ug/l #	88
29) Tetrahydrofuran	5.038	42	292	0.441	ug/l #	86
30) Chloroform	5.099	83	1612	0.588	ug/l	99
31) Cyclohexane	5.550	56	2671	1.216	ug/l #	5
36) 1,1-Dichloropropene	5.544	75	9691	4.682	ug/l #	49
37) Ethyl Acetate	4.751	43	2196	0.996	ug/l #	67
38) Carbon Tetrachloride	5.544	117	11993	5.151	ug/l #	16
43) Isopropyl Acetate	6.336	43	129840	32.018	ug/l	98
48) Methyl methacrylate	7.793	41	95874	50.933	ug/l #	42
49) 1,4-Dioxane	7.787	88	204	5.194	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	92079	41.088	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	696	0.267	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	43618	15.446	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	4737	1.751	ug/l #	42
59) 2-Hexanone	9.482	43	63926	38.773	ug/l #	50
74) N-amyl acetate	10.811	43	982	0.286	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	45887	22.177	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	45887	50.715	ug/l #	12

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

Quant Time: Feb 04 02:12:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

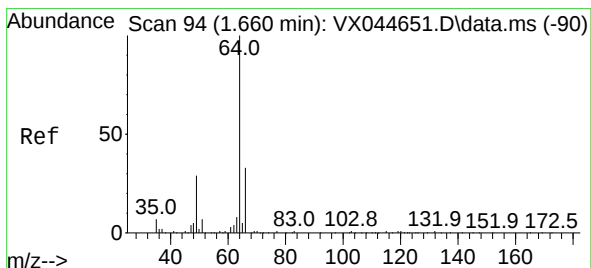
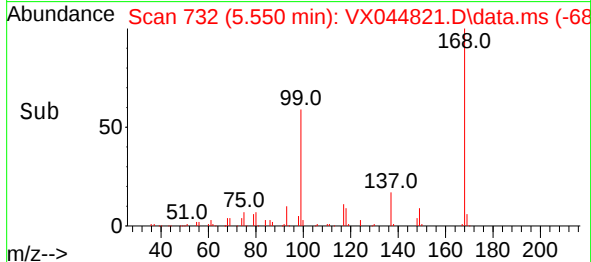
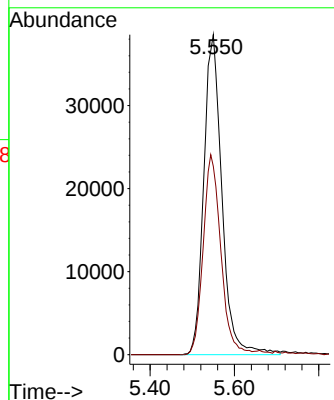
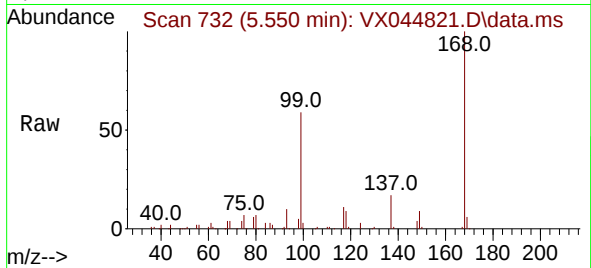




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

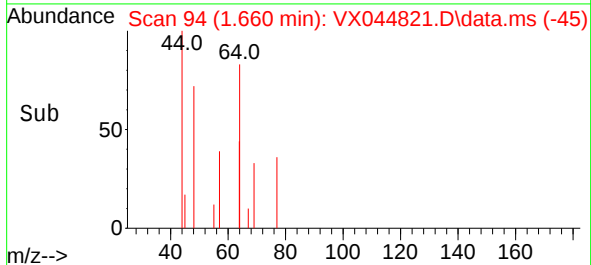
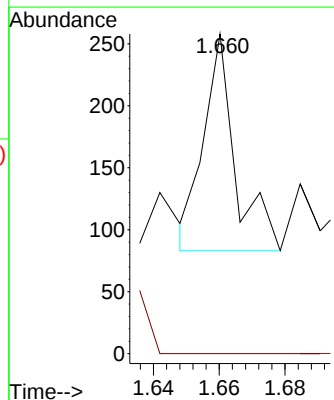
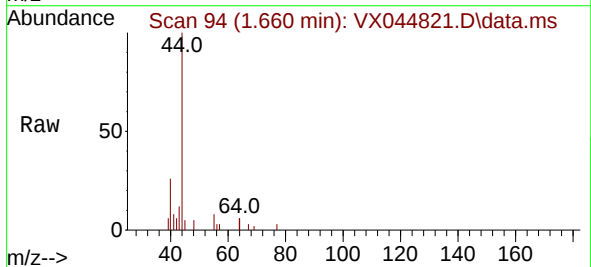
Instrument :
MSVOA_X
ClientSampleId :

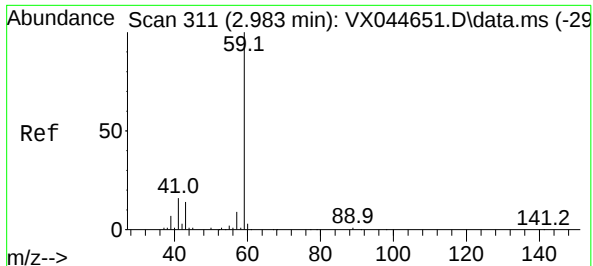
Tgt Ion:168 Resp: 115557
Ion Ratio Lower Upper
168 100
99 58.9 51.1 76.7



#6
Chloroethane
Concen: 0.381 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

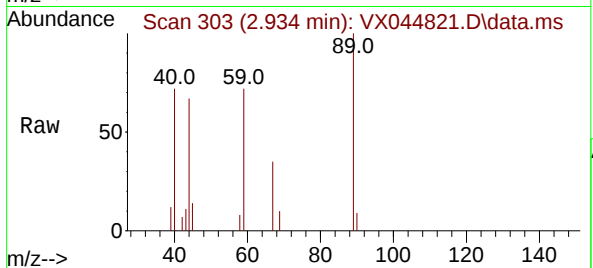
Tgt Ion: 64 Resp: 116
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



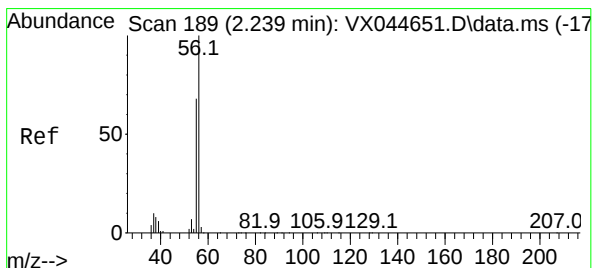
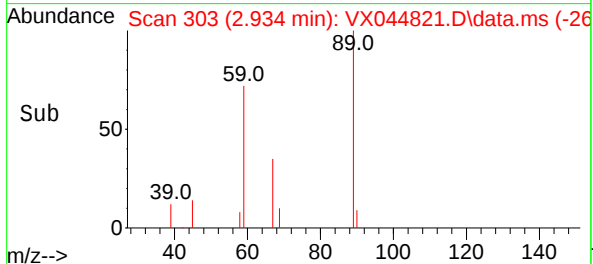
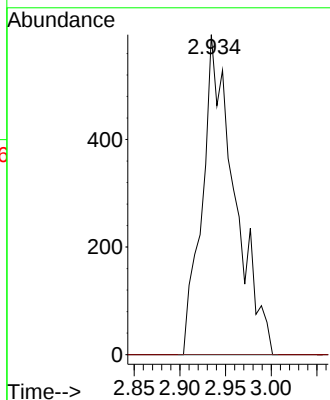


#11
Tert butyl alcohol
Concen: 3.762 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :

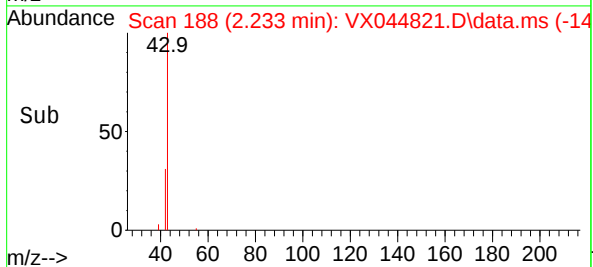
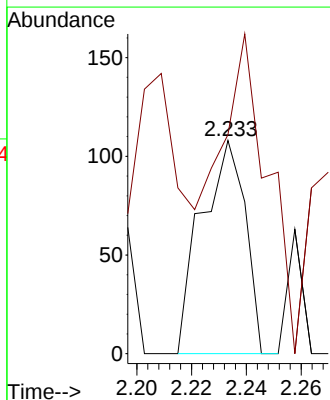
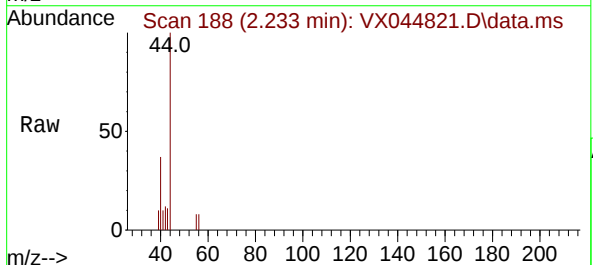


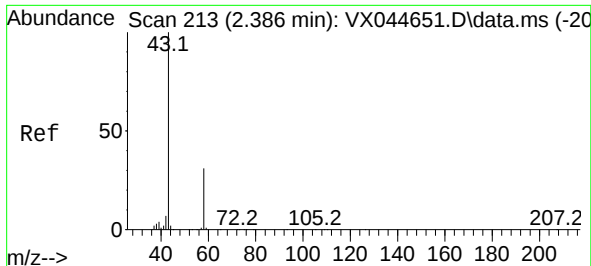
Tgt Ion: 59 Resp: 1463
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



#13
Acrolein
Concen: 0.656 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 166.7 55.1 82.7#

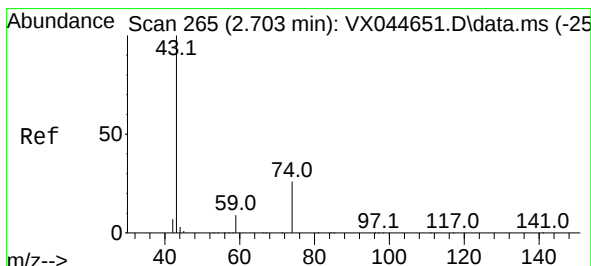
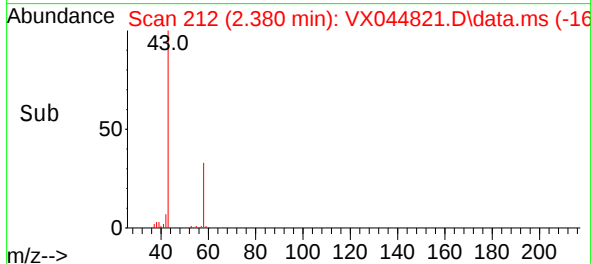
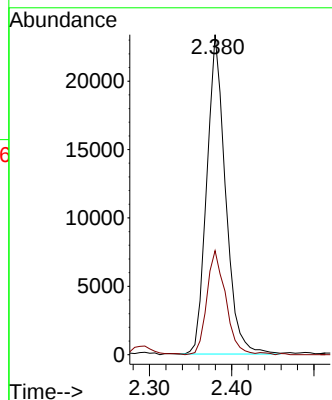
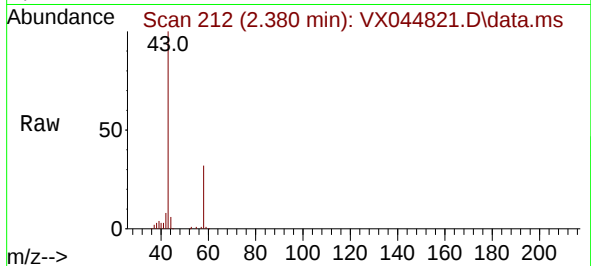




#16
Acetone
Concen: 53.530 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

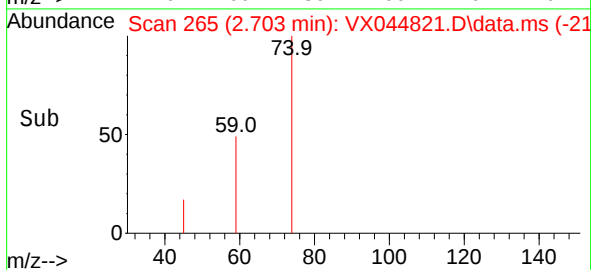
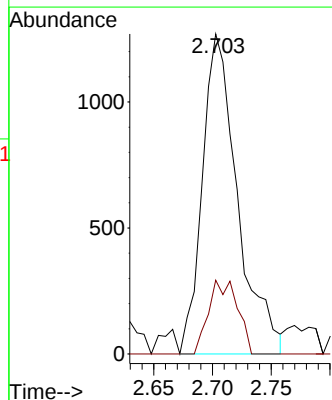
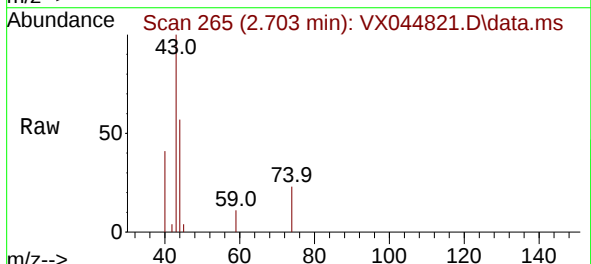
Instrument :
MSVOA_X
ClientSampleId :

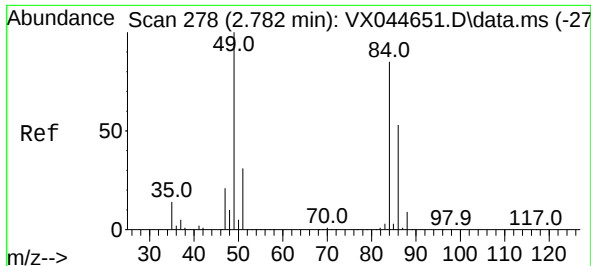
Tgt Ion: 43 Resp: 36941
Ion Ratio Lower Upper
43 100
58 32.3 24.6 37.0



#18
Methyl Acetate
Concen: 1.243 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
74 19.0 19.8 29.8#





#20

Methylene Chloride

Concen: 3.735 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

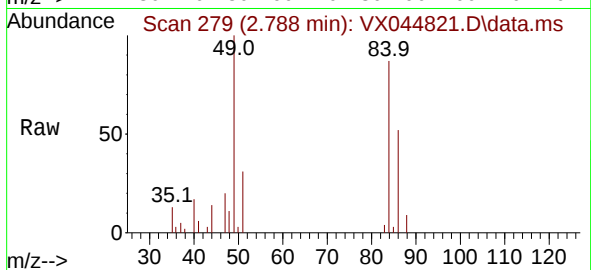
Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 6002

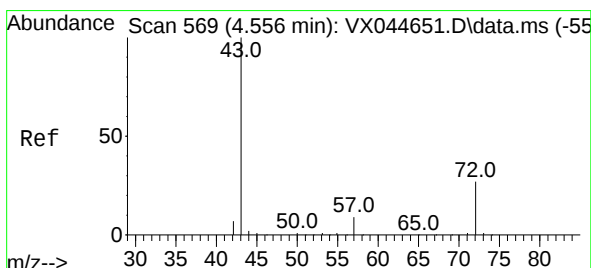
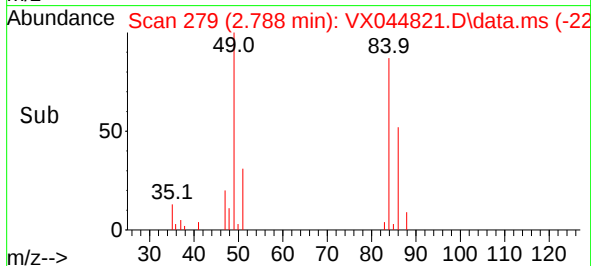
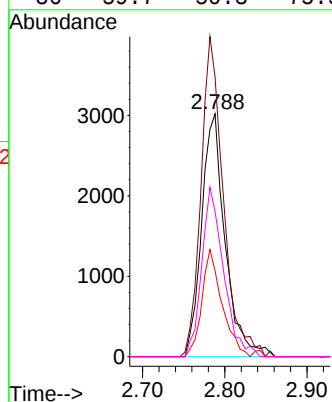
Ion Ratio Lower Upper

84 100

49 115.1 94.2 141.4

51 35.3 28.8 43.2

86 59.7 50.3 75.5



#25

2-Butanone

Concen: 5.382 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX044821.D

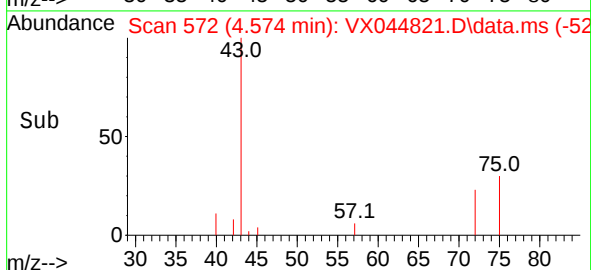
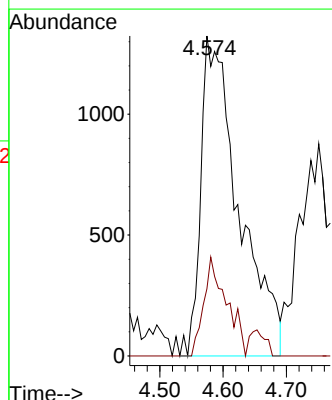
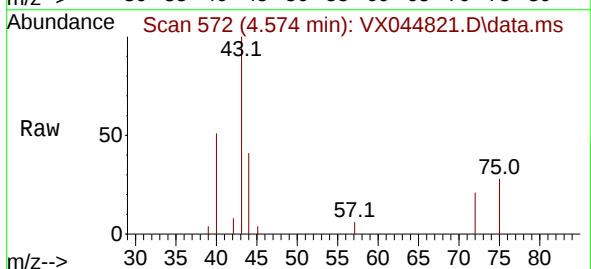
Acq: 03 Feb 2025 17:41

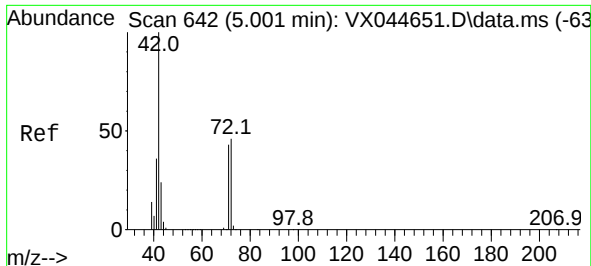
Tgt Ion: 43 Resp: 5522

Ion Ratio Lower Upper

43 100

72 21.0 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.441 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.037 min

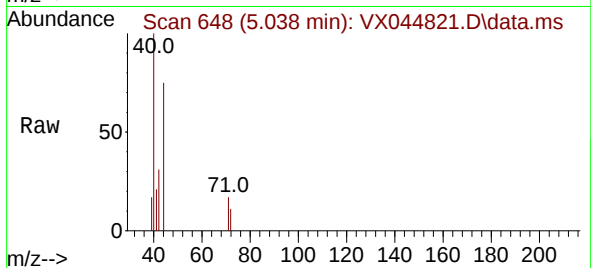
Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

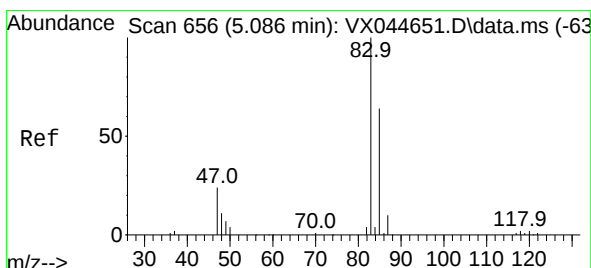
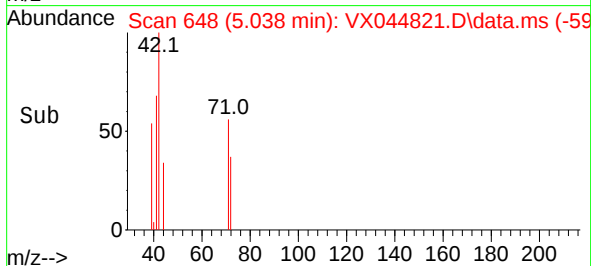
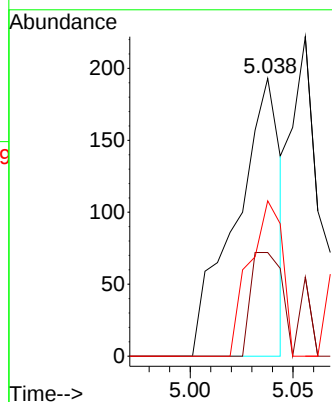
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	292
Ion Ratio	Lower	Upper	
42	100		
72	32.5	38.2	57.4#
71	41.1	35.3	52.9



#30

Chloroform

Concen: 0.588 ug/l

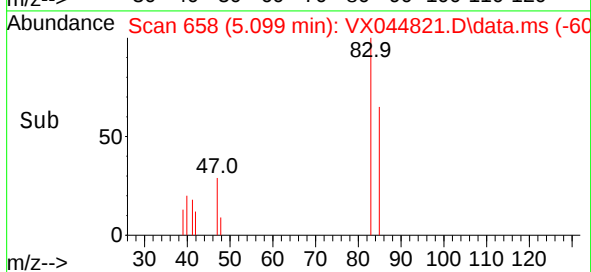
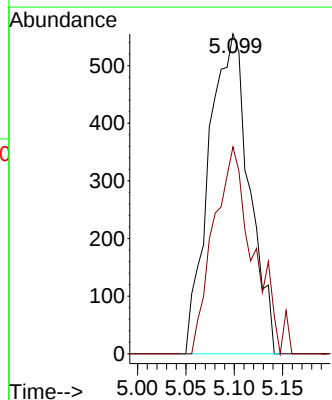
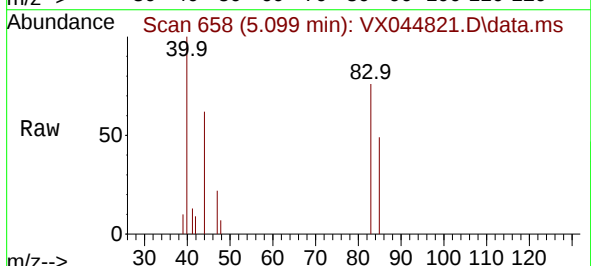
RT: 5.099 min Scan# 658

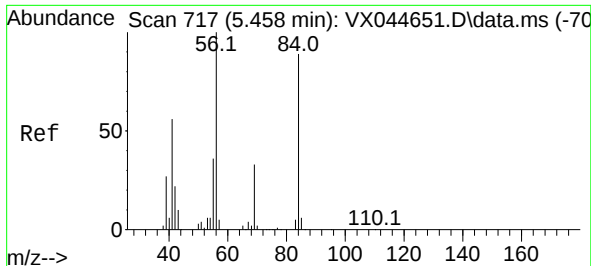
Delta R.T. 0.012 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

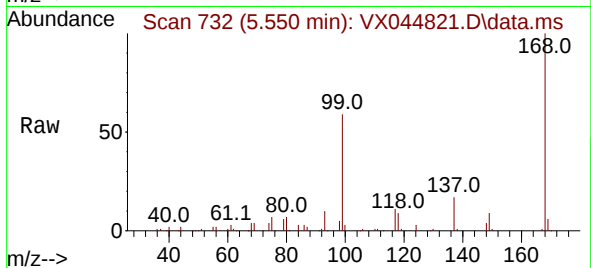
Tgt Ion:	83	Resp:	1612
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.2	76.8



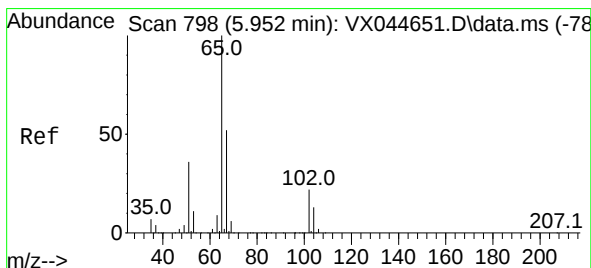
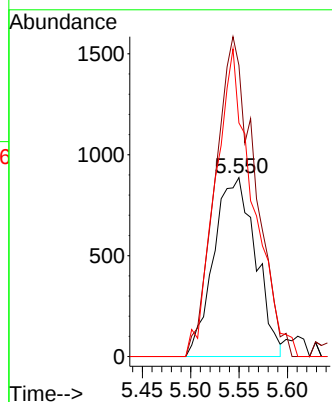
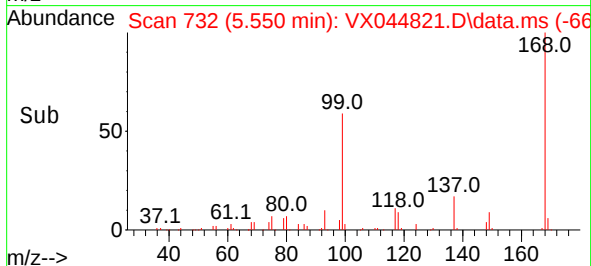


#31
Cyclohexane
Concen: 1.216 ug/l
RT: 5.550 min Scan# 717
Delta R.T. 0.092 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :

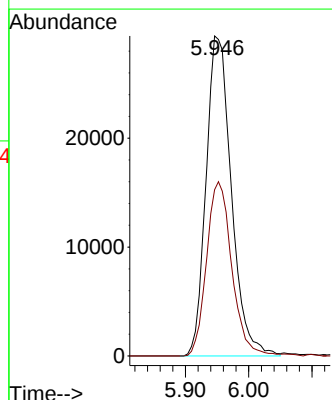
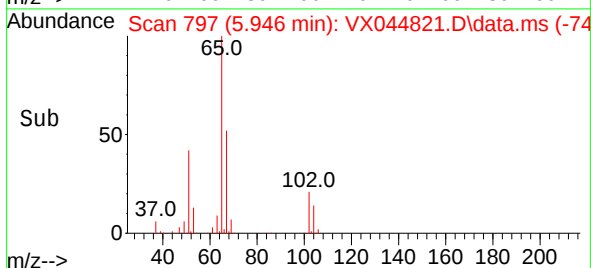
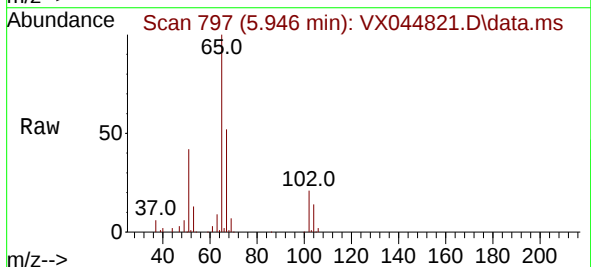


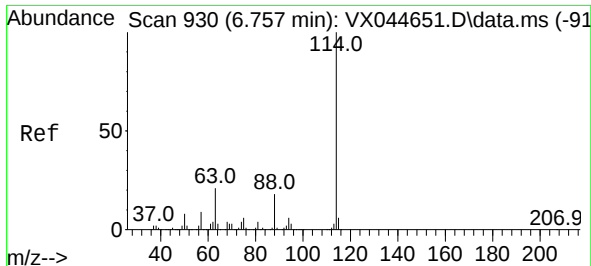
Tgt Ion: 56 Resp: 2671
Ion Ratio Lower Upper
56 100
69 162.7 26.8 40.2#
84 130.6 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 46.877 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

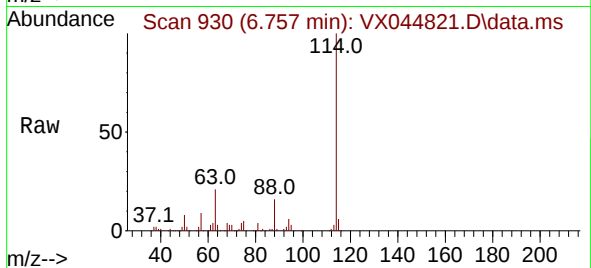
Tgt Ion: 65 Resp: 81765
Ion Ratio Lower Upper
65 100
67 54.2 0.0 103.4



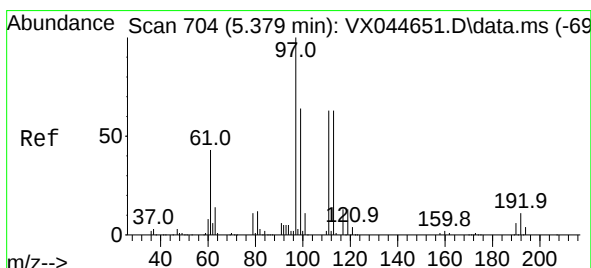
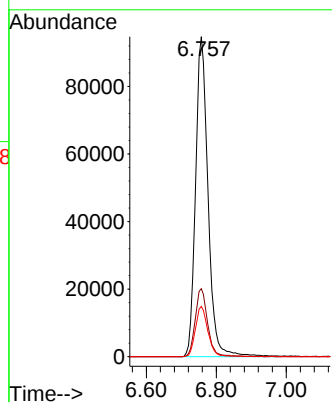
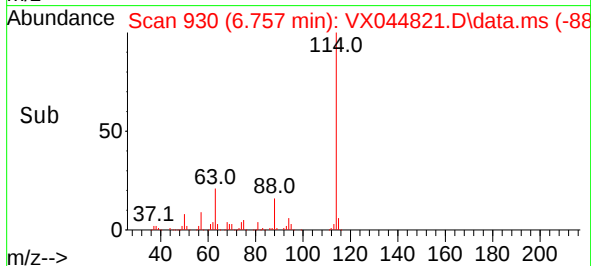


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :

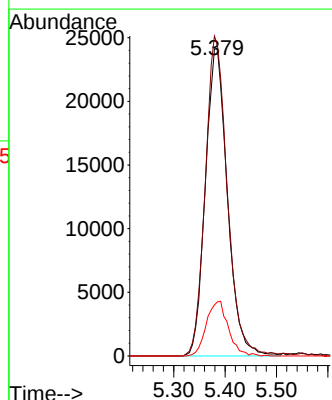
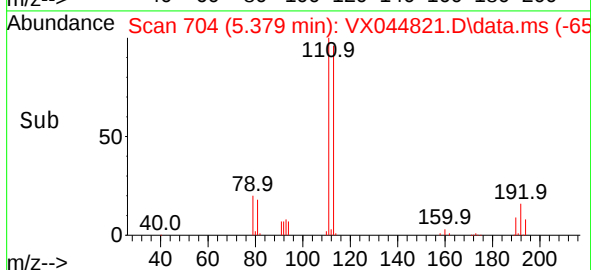
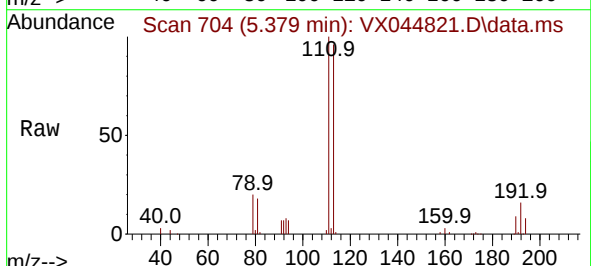


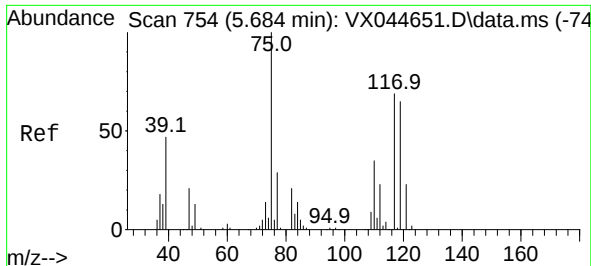
Tgt Ion:114 Resp: 234072
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.0
88 15.7 0.0 35.4



#35
Dibromofluoromethane
Concen: 48.504 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

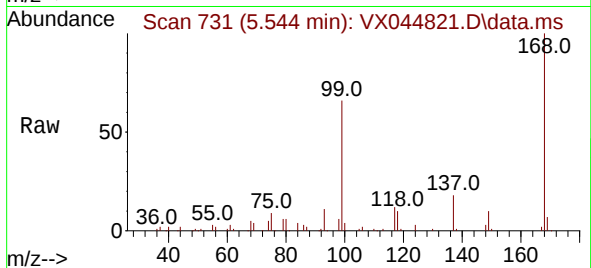
Tgt Ion:113 Resp: 72126
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 17.6 14.4 21.6



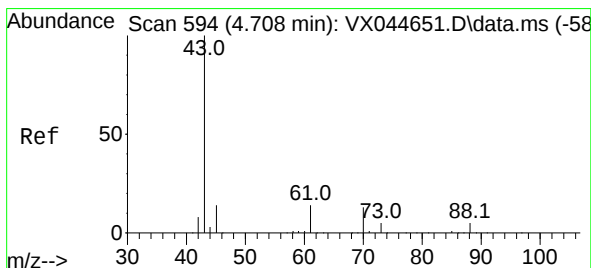
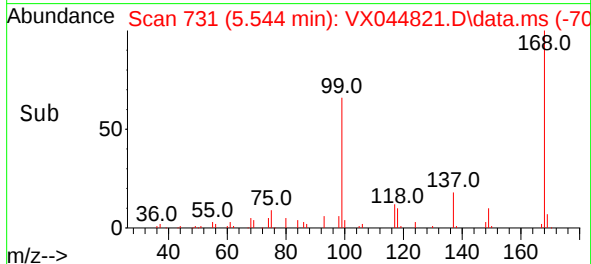
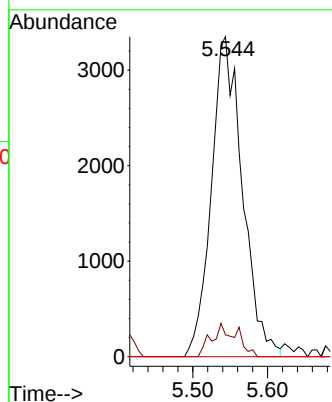


#36
1,1-Dichloropropene
Concen: 4.682 ug/l
RT: 5.544 min Scan# 74
Delta R.T. -0.140 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :

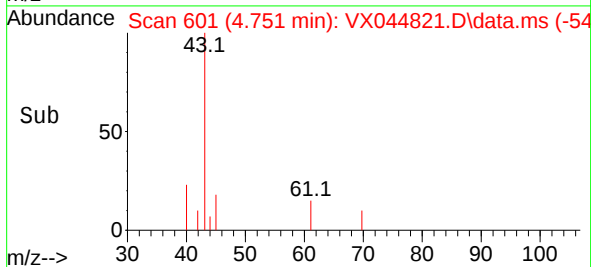
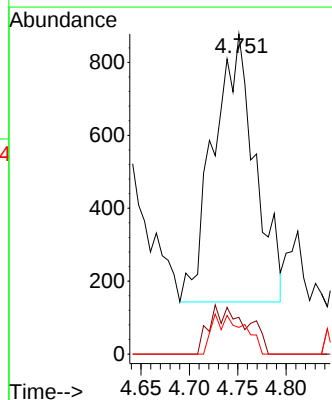
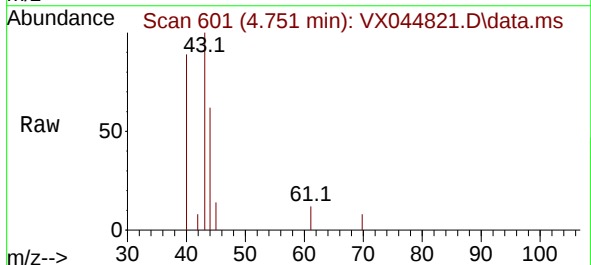


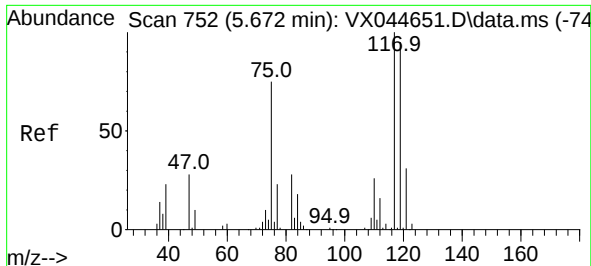
Tgt Ion: 75 Resp: 9691
Ion Ratio Lower Upper
75 100
110 8.3 17.9 53.8#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.996 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.043 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

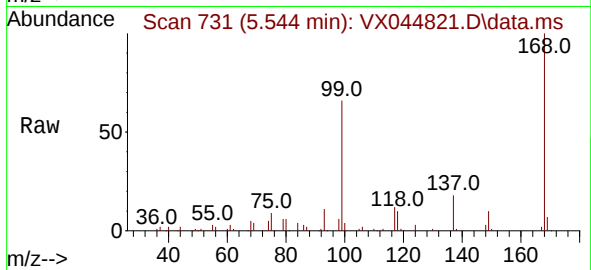
Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 10.1 15.1#



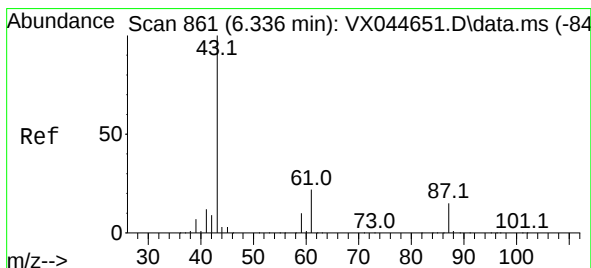
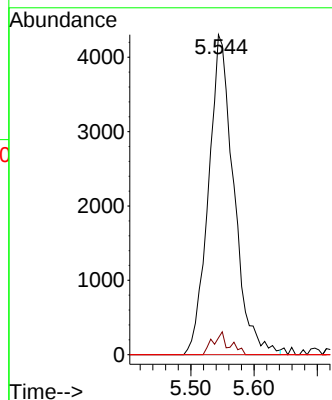
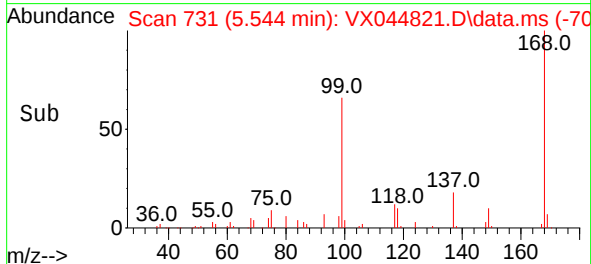


#38
Carbon Tetrachloride
Concen: 5.151 ug/l
RT: 5.544 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :

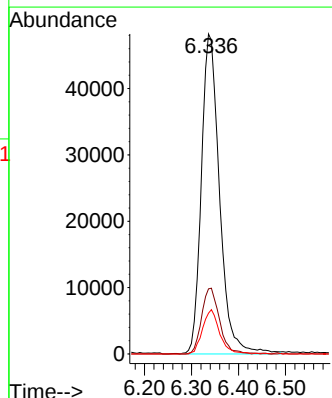
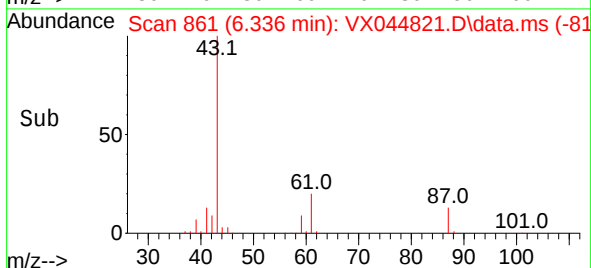
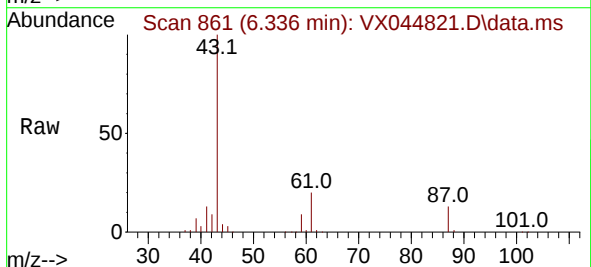


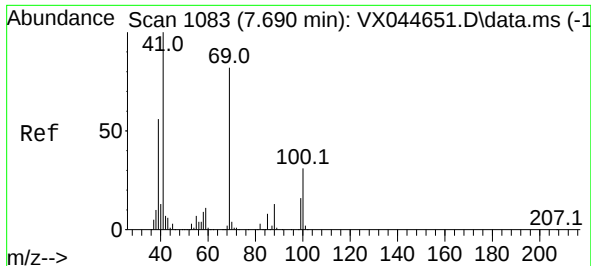
Tgt Ion:117 Resp: 11993
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 32.018 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044821.D
Acq: 03 Feb 2025 17:41

Tgt Ion: 43 Resp: 129840
Ion Ratio Lower Upper
43 100
61 20.0 16.6 24.8
87 12.9 11.0 16.6





#48

Methyl methacrylate

Concen: 50.933 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :

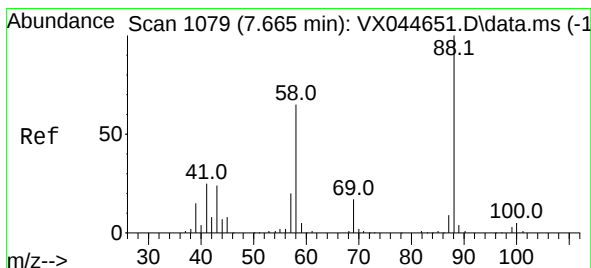
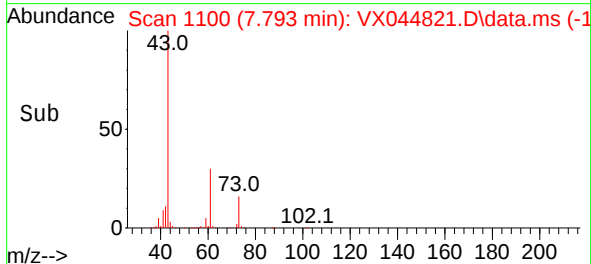
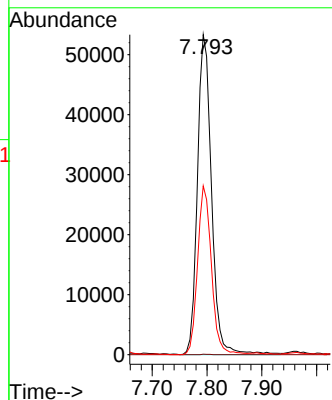
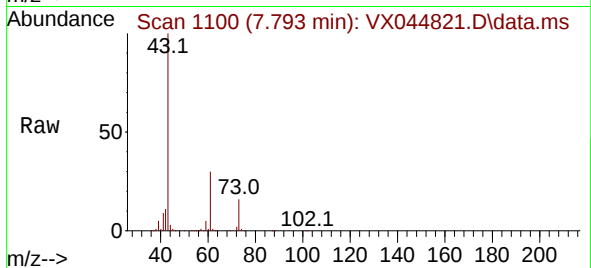
Tgt Ion: 41 Resp: 95874

Ion Ratio Lower Upper

41 100

69 0.1 66.8 100.2#

39 51.6 47.4 71.0



#49

1,4-Dioxane

Concen: 5.194 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.122 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

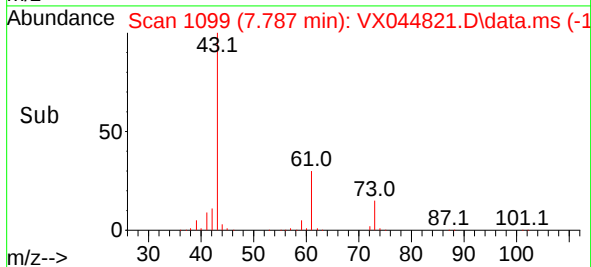
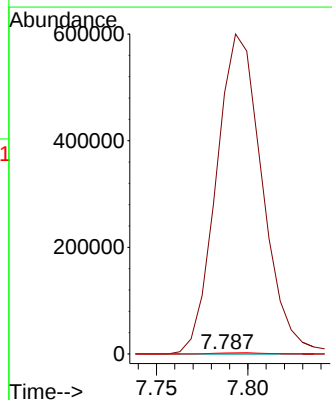
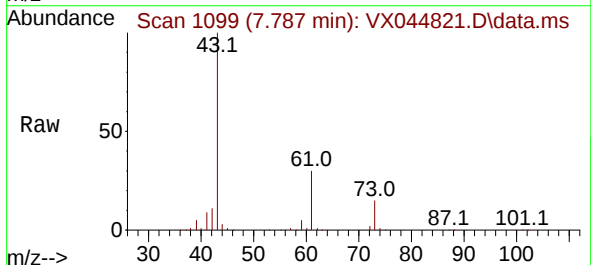
Tgt Ion: 88 Resp: 204

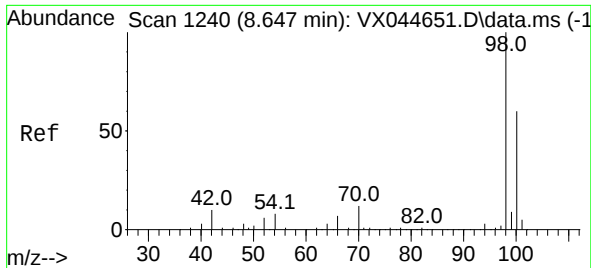
Ion Ratio Lower Upper

88 100

43 524179.4 27.0 40.4#

58 2094.6 55.8 83.8#





#50

Toluene-d8

Concen: 52.930 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_X

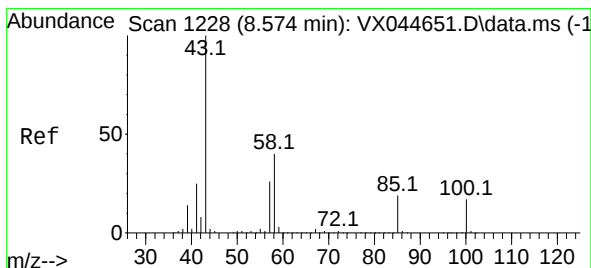
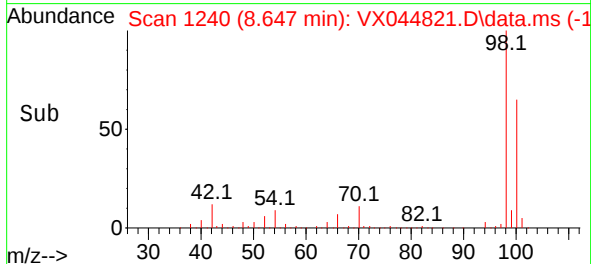
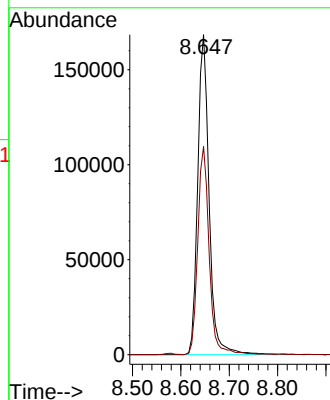
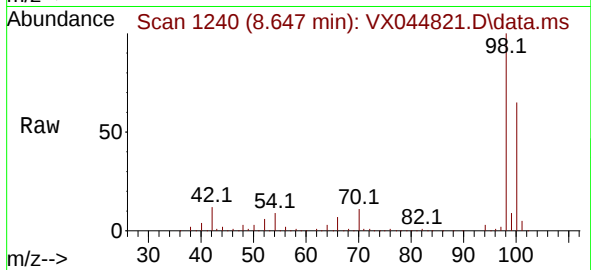
ClientSampleId :

Tgt Ion: 98 Resp: 274439

Ion Ratio Lower Upper

98 100

100 65.3 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 41.088 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.030 min

Lab File: VX044821.D

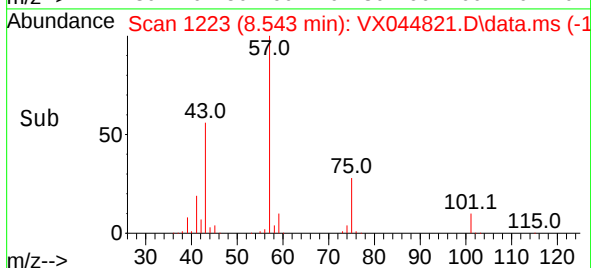
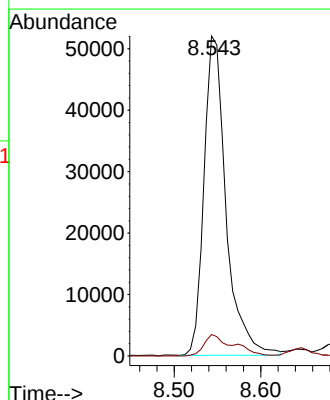
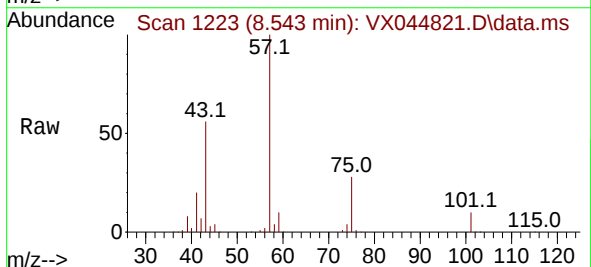
Acq: 03 Feb 2025 17:41

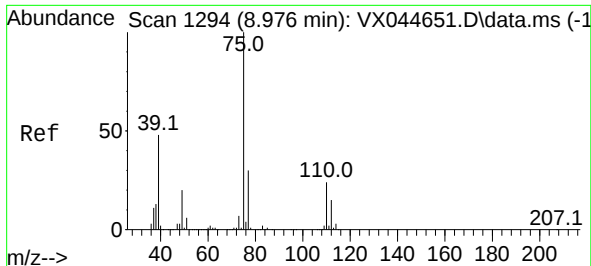
Tgt Ion: 43 Resp: 92079

Ion Ratio Lower Upper

43 100

58 8.9 31.9 47.9#





#53

t-1,3-Dichloropropene

Concen: 0.267 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_X

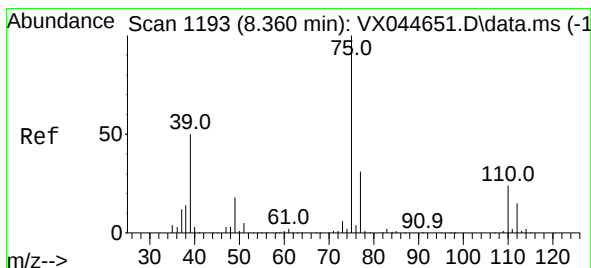
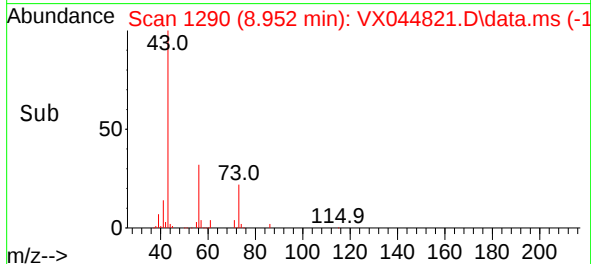
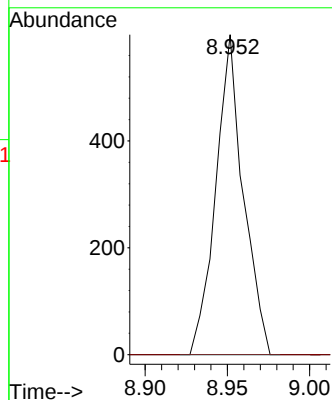
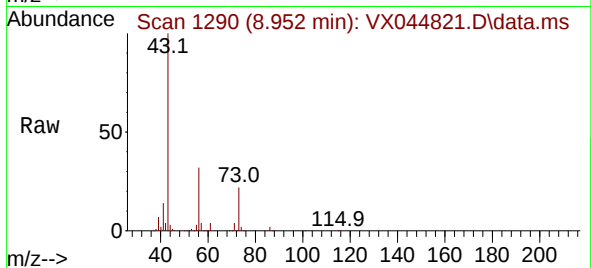
ClientSampleId :

Tgt Ion: 75 Resp: 696

Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#



#54

cis-1,3-Dichloropropene

Concen: 15.446 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

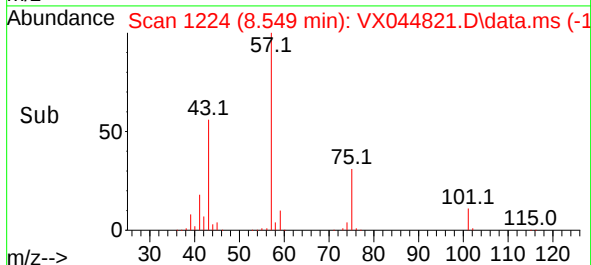
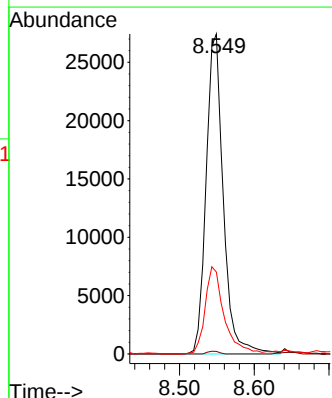
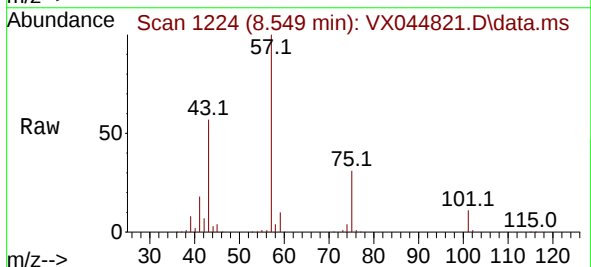
Tgt Ion: 75 Resp: 43618

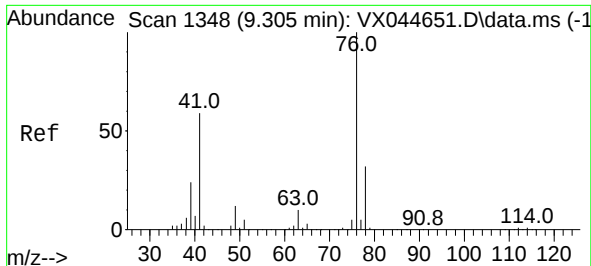
Ion Ratio Lower Upper

75 100

77 0.8 25.1 37.7#

39 25.6 40.3 60.5#





#57

1,3-Dichloropropane

Concen: 1.751 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_X

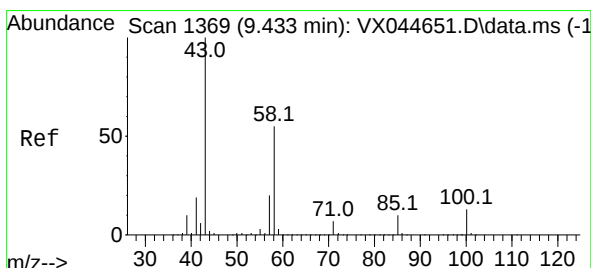
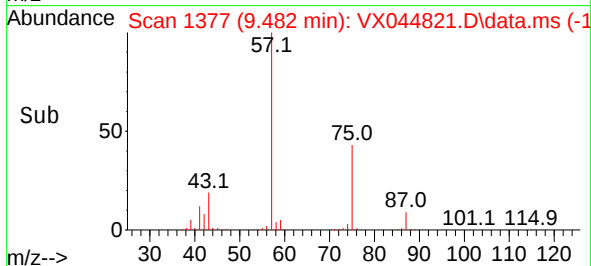
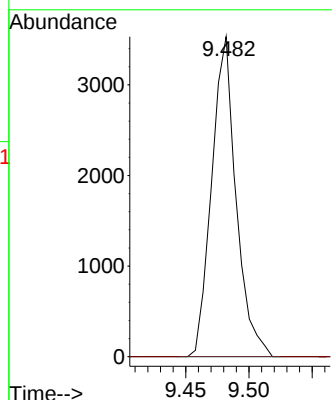
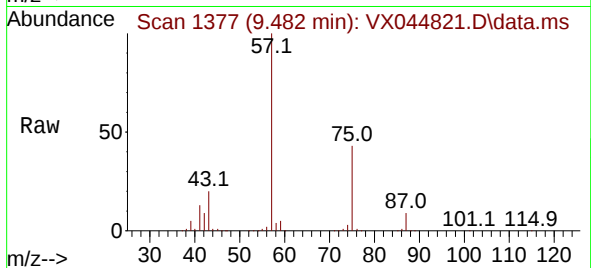
ClientSampleId :

Tgt Ion: 76 Resp: 4737

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 38.773 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX044821.D

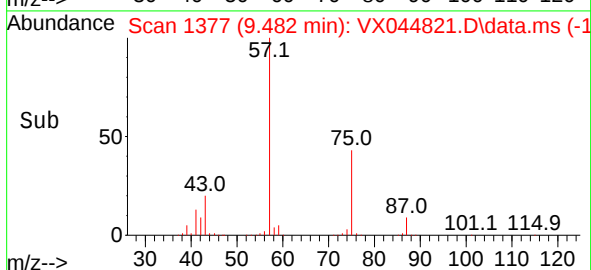
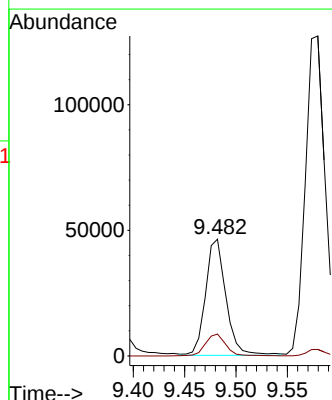
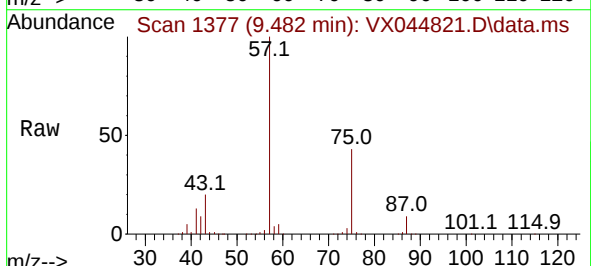
Acq: 03 Feb 2025 17:41

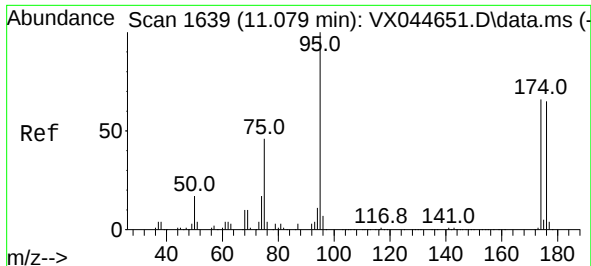
Tgt Ion: 43 Resp: 63926

Ion Ratio Lower Upper

43 100

58 19.3 27.8 83.3#





#62

4-Bromofluorobenzene

Concen: 48.468 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :

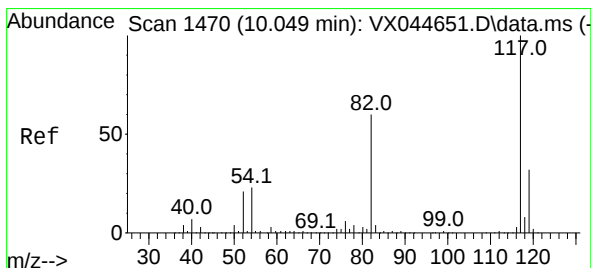
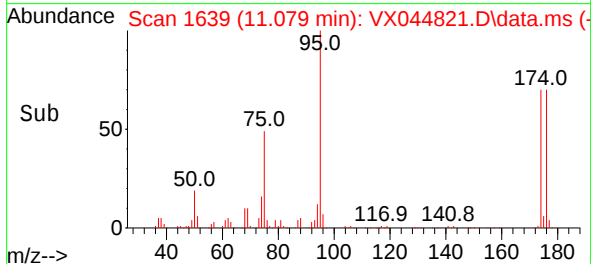
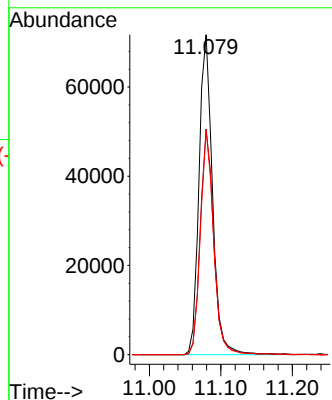
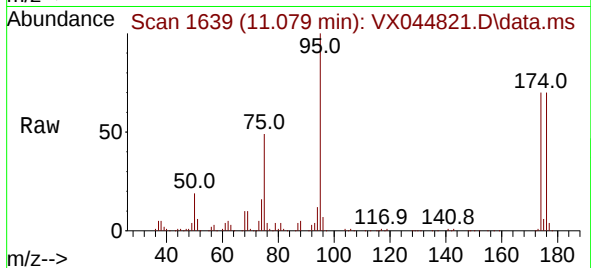
Tgt Ion: 95 Resp: 93684

Ion Ratio Lower Upper

95 100

174 70.5 0.0 133.0

176 68.8 0.0 129.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

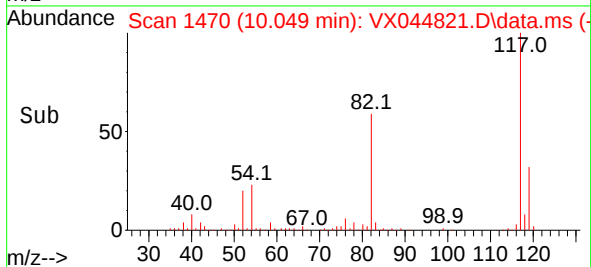
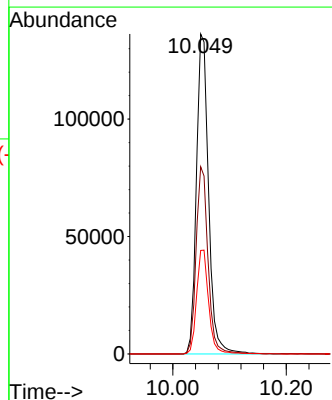
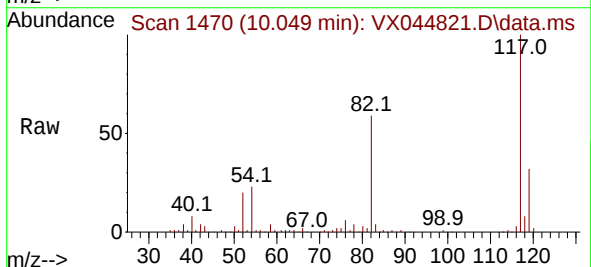
Tgt Ion: 117 Resp: 202229

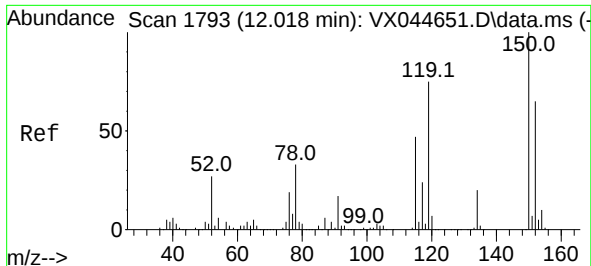
Ion Ratio Lower Upper

117 100

82 58.5 47.6 71.4

119 32.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :

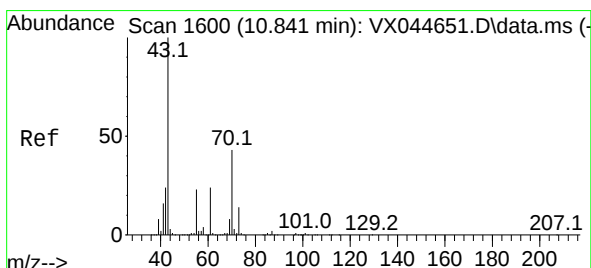
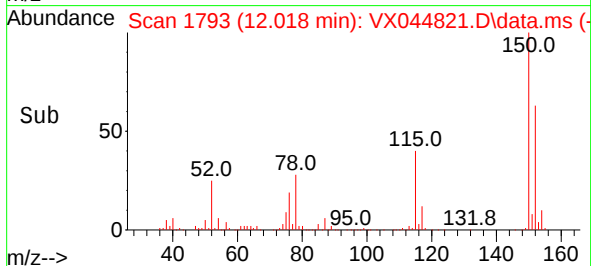
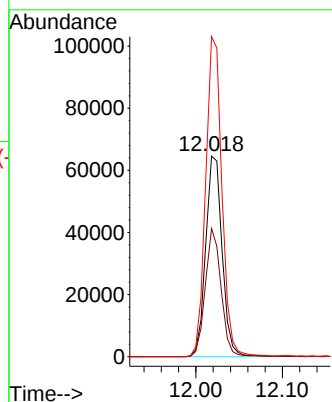
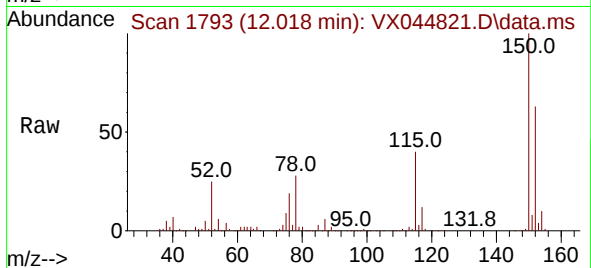
Tgt Ion:152 Resp: 85260

Ion Ratio Lower Upper

152 100

115 61.2 43.8 131.4

150 157.3 0.0 347.8



#74

N-ethyl acetate

Concen: 0.286 ug/l

RT: 10.811 min Scan# 1595

Delta R.T. -0.030 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Tgt Ion: 43 Resp: 982

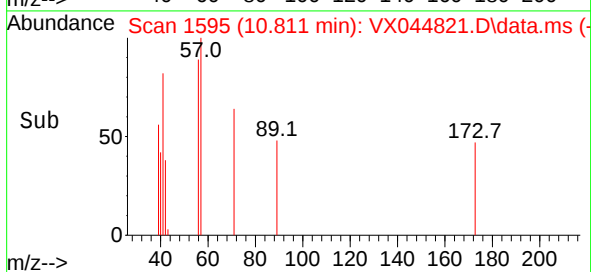
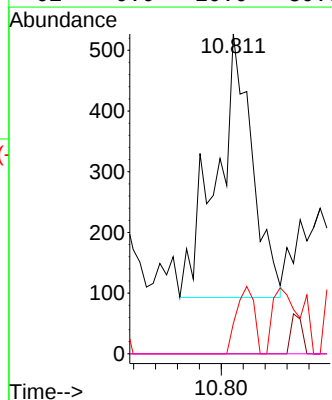
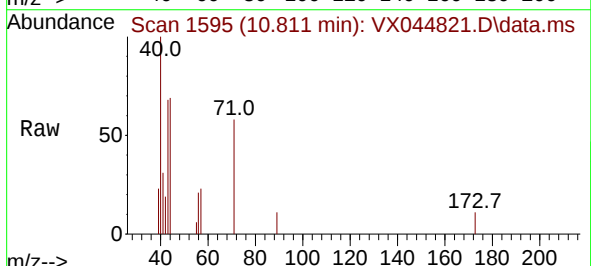
Ion Ratio Lower Upper

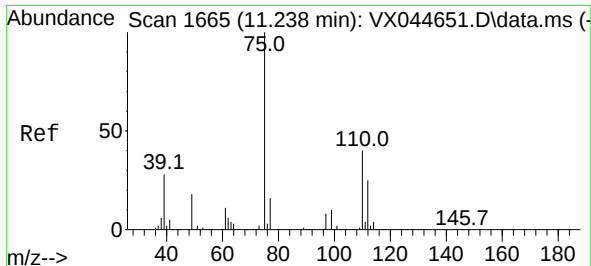
43 100

70 0.0 35.2 52.8#

55 12.6 19.0 28.4#

61 0.0 20.0 30.0#





#76

1,2,3-Trichloropropane

Concen: 22.177 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Instrument :

MSVOA_X

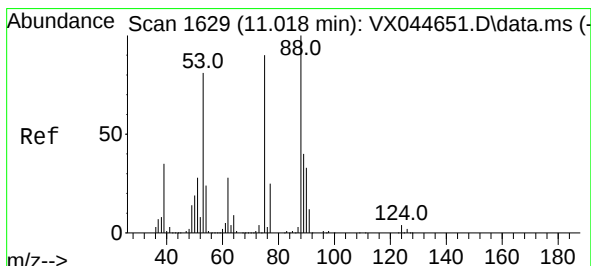
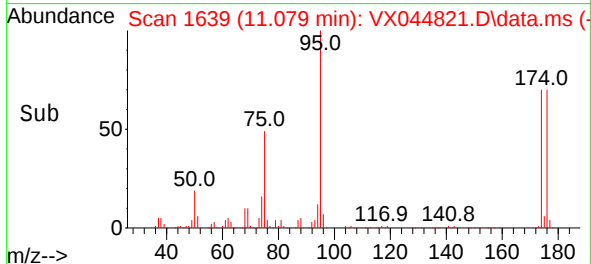
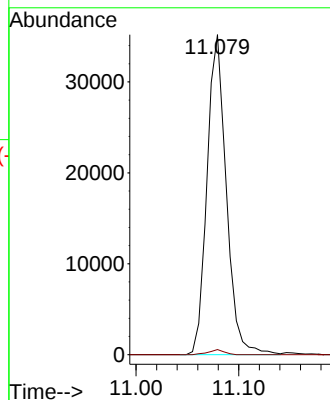
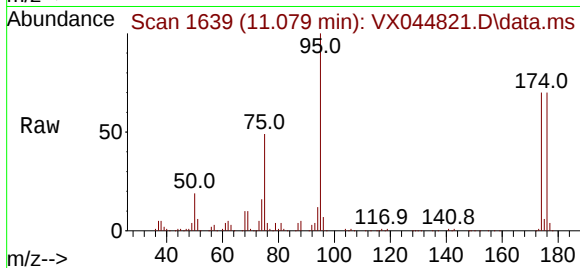
ClientSampleId :

Tgt Ion: 75 Resp: 45887

Ion Ratio Lower Upper

75 100

77 1.3 23.4 70.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.715 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044821.D

Acq: 03 Feb 2025 17:41

Tgt Ion: 75 Resp: 45887

Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

89 0.0 37.4 56.0#

