

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044820.D
 Acq On : 03 Feb 2025 17:18
 Operator : JC/MD
 Sample : Q1235-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 04 02:11:59 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)

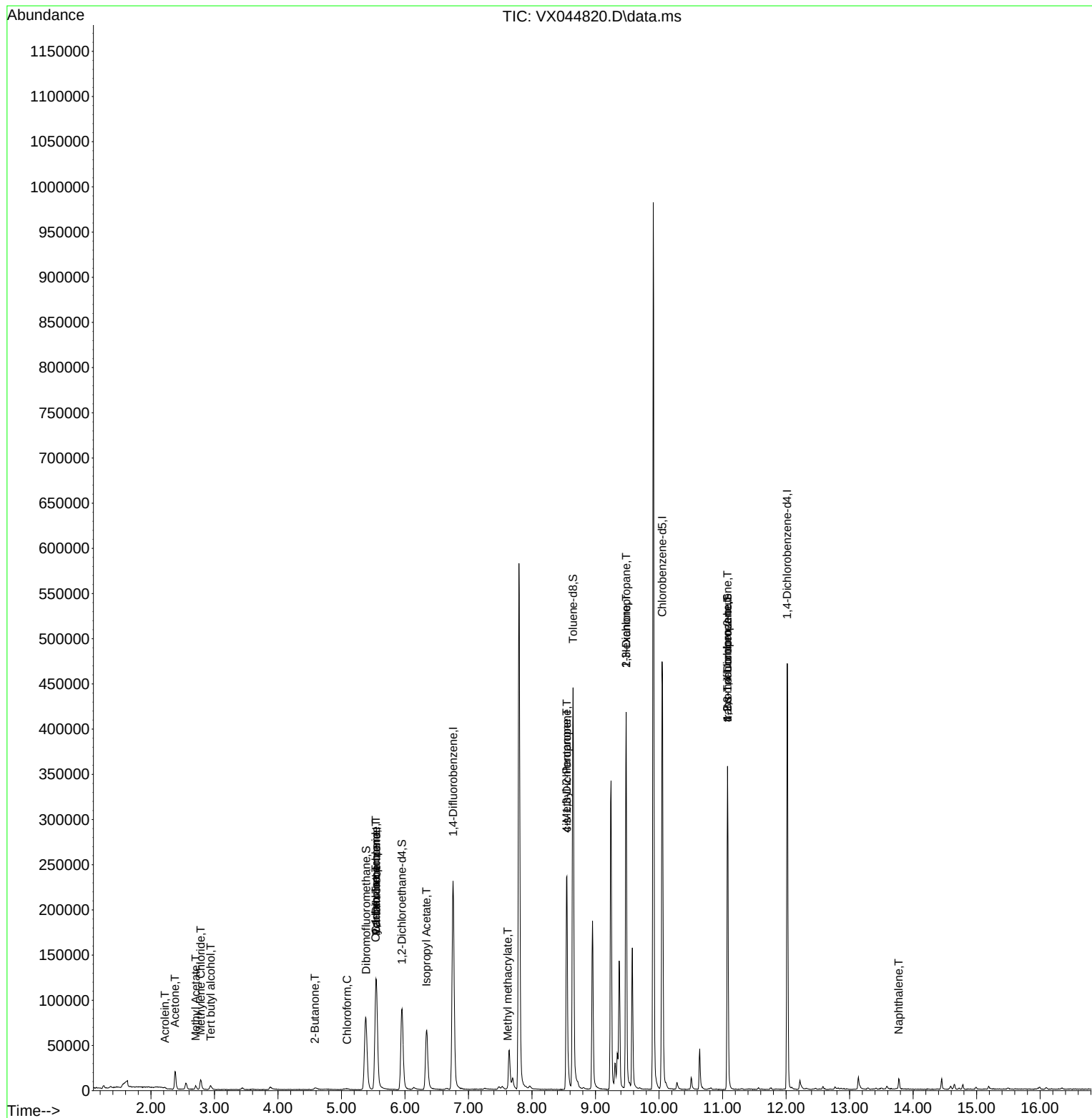
Internal Standards						
1) Pentafluorobenzene	5.550	168	120237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	241866	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	217390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84178	46.382	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.760%		
35) Dibromofluoromethane	5.385	113	73303	47.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.420%		
50) Toluene-d8	8.647	98	278984	52.073	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.140%		
62) 4-Bromofluorobenzene	11.079	95	98821	49.478	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.960%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.941	59	2735	6.760	ug/l #	85
13) Acrolein	2.221	56	152	0.798	ug/l #	1
16) Acetone	2.380	43	20758	28.909	ug/l	90
18) Methyl Acetate	2.703	43	4712	2.127	ug/l	97
20) Methylene Chloride	2.782	84	5437	3.252	ug/l	95
25) 2-Butanone	4.580	43	1486	1.392	ug/l	96
30) Chloroform	5.086	83	1240	0.435	ug/l #	75
31) Cyclohexane	5.538	56	2836	1.241	ug/l #	7
36) 1,1-Dichloropropene	5.544	75	10281	4.807	ug/l #	48
38) Carbon Tetrachloride	5.544	117	12131	5.042	ug/l #	17
43) Isopropyl Acetate	6.336	43	97710	23.319	ug/l	99
48) Methyl methacrylate	7.617	41	2566	1.319	ug/l #	13
51) 4-Methyl-2-Pentanone	8.543	43	89343	38.583	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	42496	14.564	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3846	1.376	ug/l #	42
59) 2-Hexanone	9.482	43	50493	29.639	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	48404	21.134	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	48404	48.331	ug/l #	12
95) Naphthalene	13.774	128	8489	1.147	ug/l	99

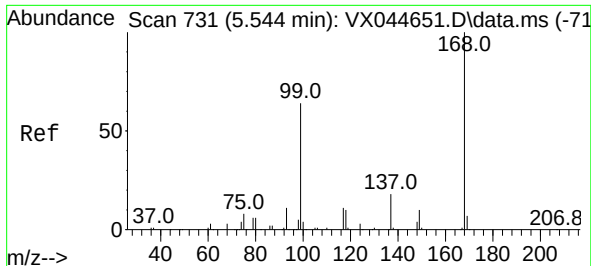
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

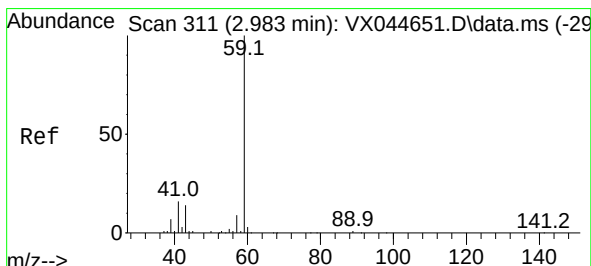
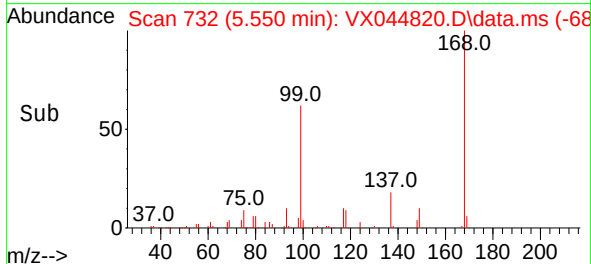
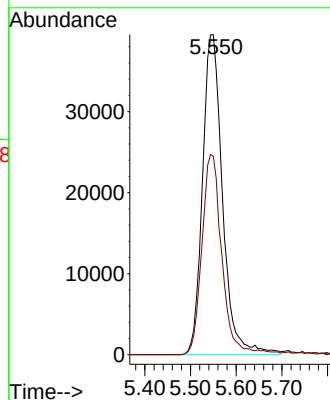
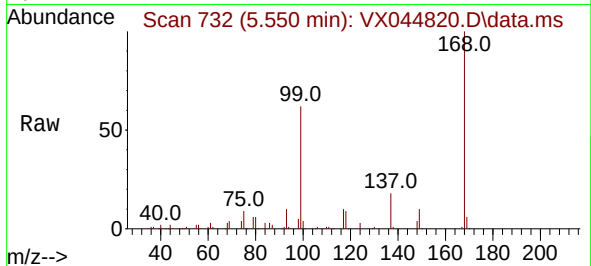




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044820.D
Acq: 03 Feb 2025 17:18

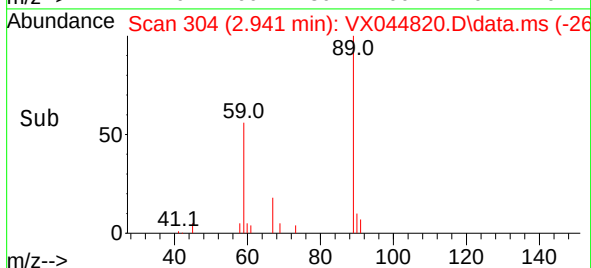
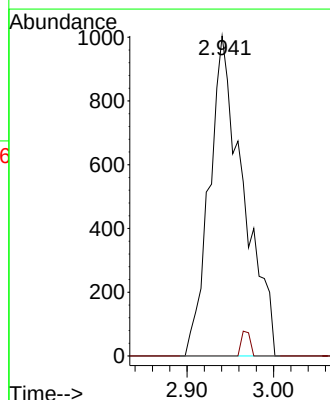
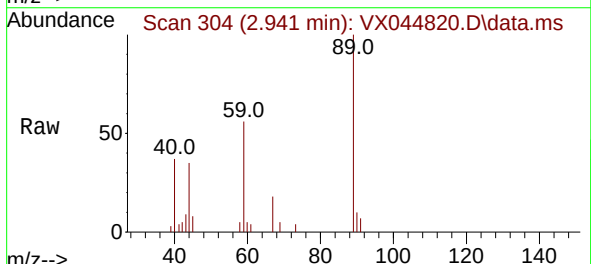
Instrument :
MSVOA_X
ClientSampleId :

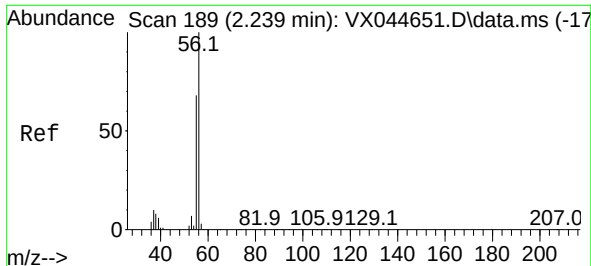
Tgt Ion:168 Resp: 120237
Ion Ratio Lower Upper
168 100
99 62.0 51.1 76.7



#11
Tert butyl alcohol
Concen: 6.760 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX044820.D
Acq: 03 Feb 2025 17:18

Tgt Ion: 59 Resp: 2735
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#





#13

Acrolein

Concen: 0.798 ug/l

RT: 2.221 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

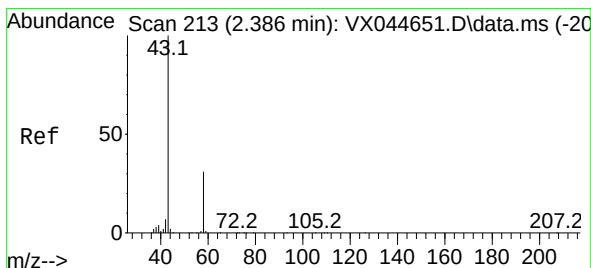
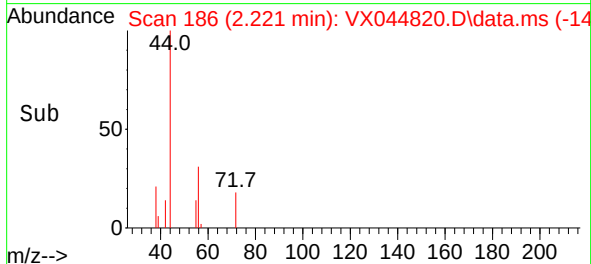
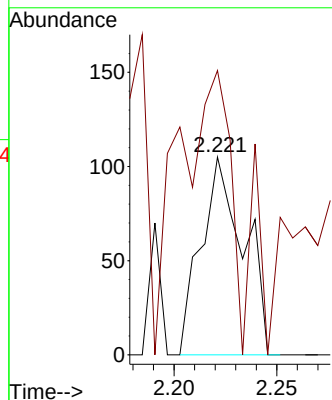
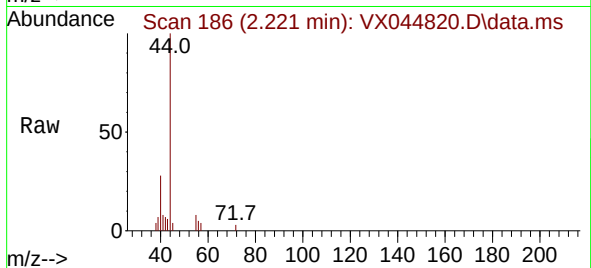
ClientSampleId :

Tgt Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 172.4 55.1 82.7#



#16

Acetone

Concen: 28.909 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX044820.D

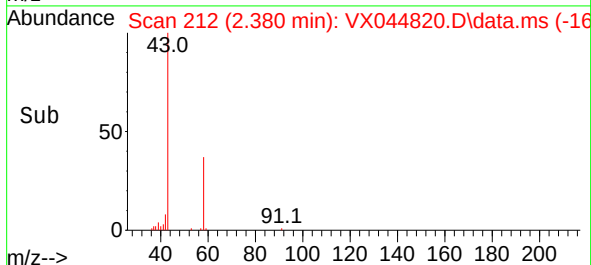
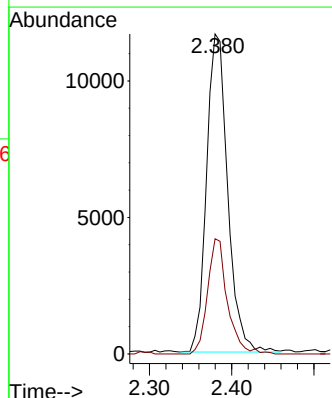
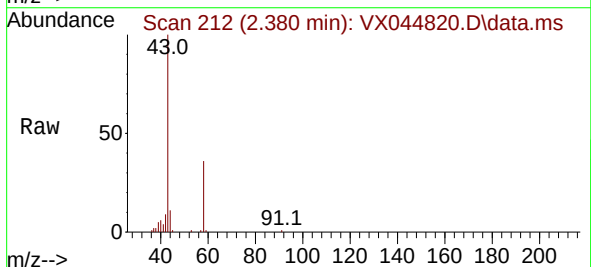
Acq: 03 Feb 2025 17:18

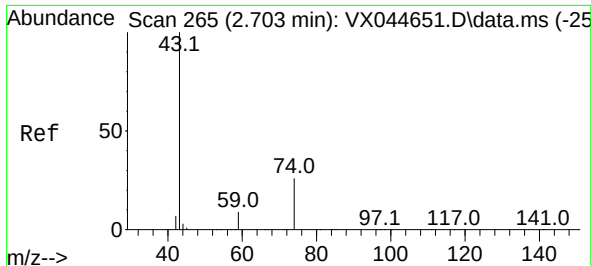
Tgt Ion: 43 Resp: 20758

Ion Ratio Lower Upper

43 100

58 36.2 24.6 37.0





#18

Methyl Acetate

Concen: 2.127 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

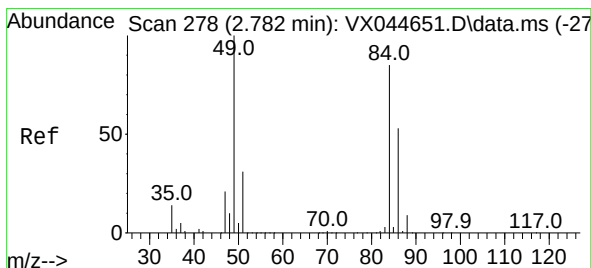
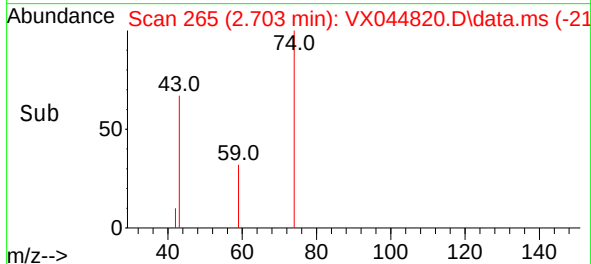
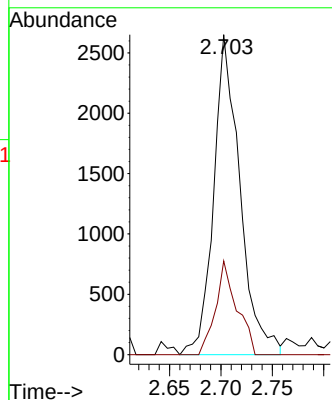
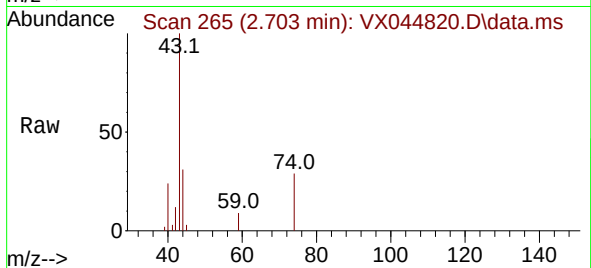
ClientSampleId :

Tgt Ion: 43 Resp: 4712

Ion Ratio Lower Upper

43 100

74 23.5 19.8 29.8



#20

Methylene Chloride

Concen: 3.252 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Tgt Ion: 84 Resp: 5437

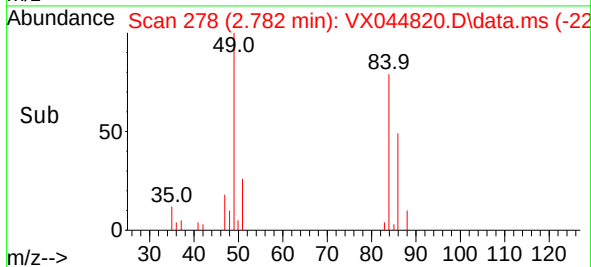
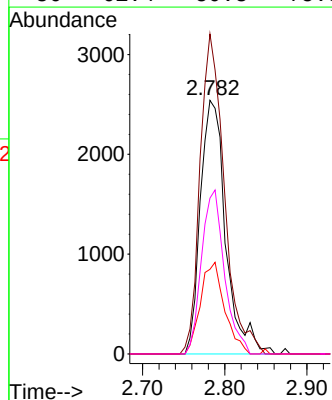
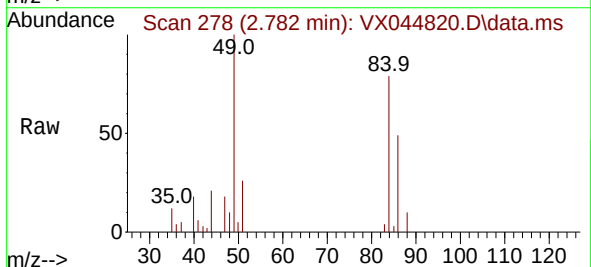
Ion Ratio Lower Upper

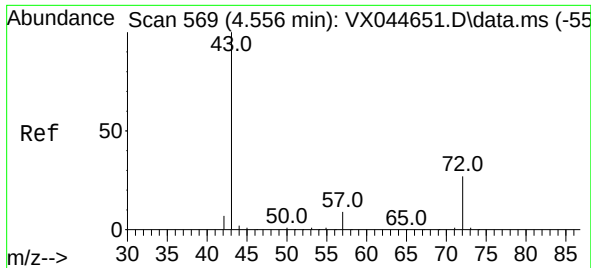
84 100

49 126.2 94.2 141.4

51 33.4 28.8 43.2

86 61.4 50.3 75.5





#25

2-Butanone

Concen: 1.392 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

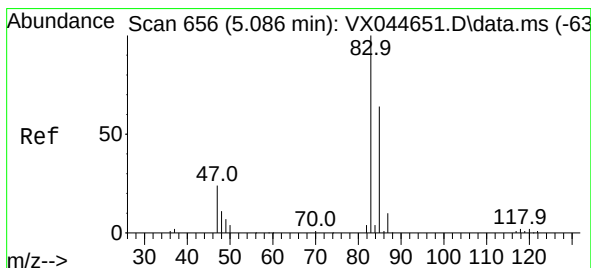
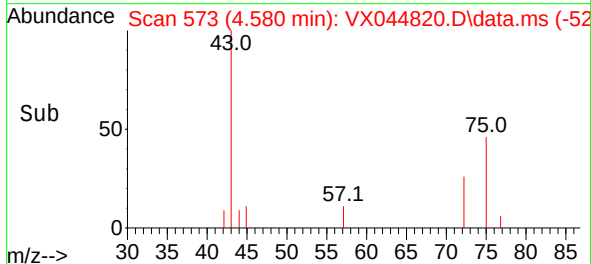
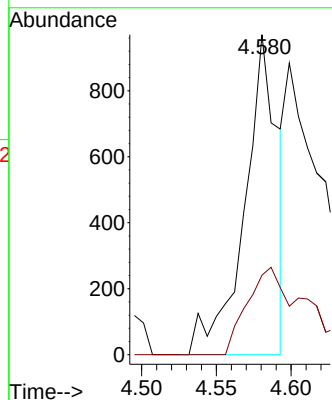
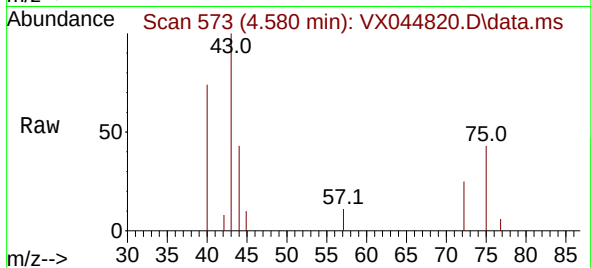
ClientSampleId :

Tgt Ion: 43 Resp: 1486

Ion Ratio Lower Upper

43 100

72 24.8 21.7 32.5



#30

Chloroform

Concen: 0.435 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044820.D

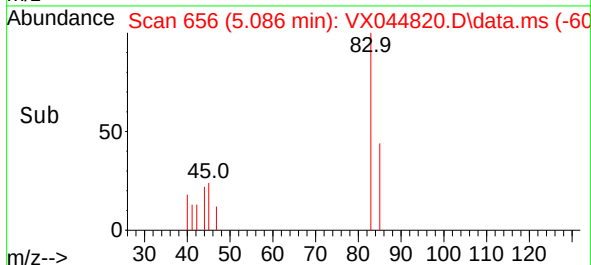
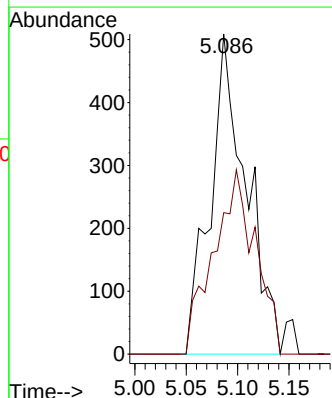
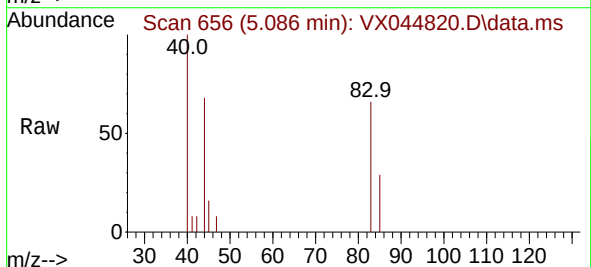
Acq: 03 Feb 2025 17:18

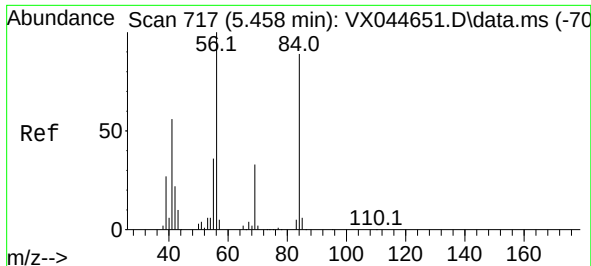
Tgt Ion: 83 Resp: 1240

Ion Ratio Lower Upper

83 100

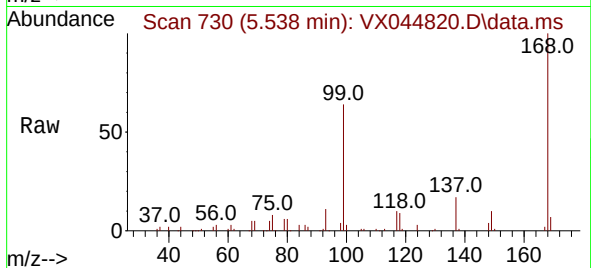
85 44.2 51.2 76.8#



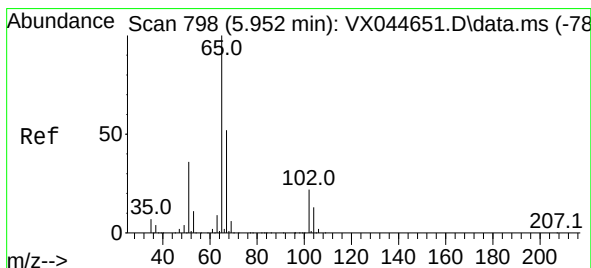
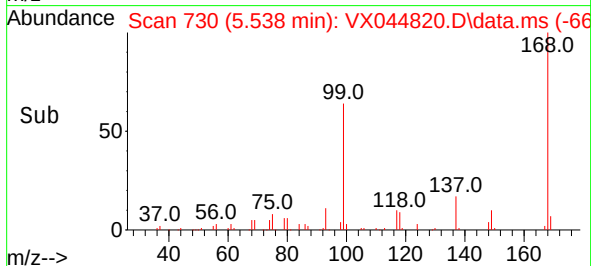
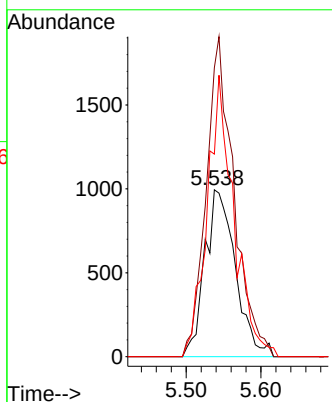


#31
Cyclohexane
Concen: 1.241 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX044820.D
Acq: 03 Feb 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :

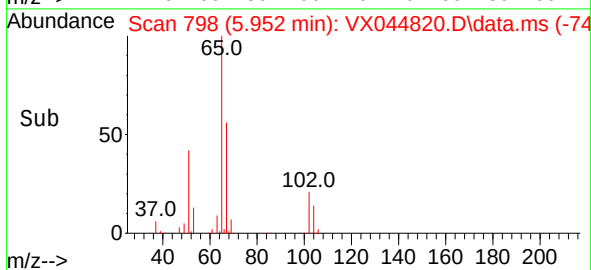
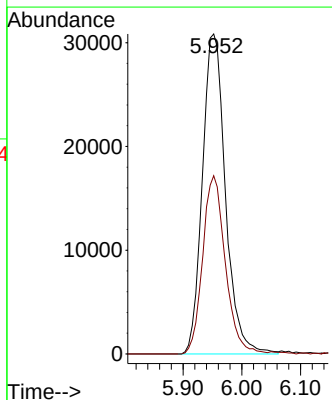
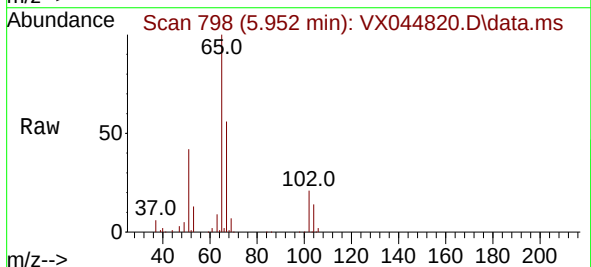


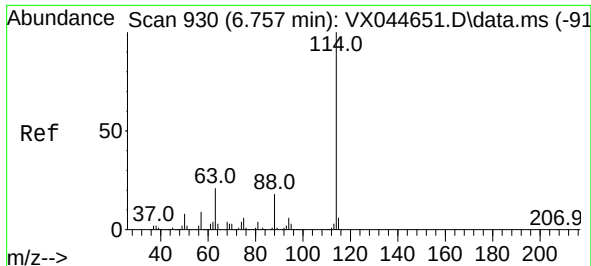
Tgt Ion: 56 Resp: 2836
Ion Ratio Lower Upper
56 100
69 173.1 26.8 40.2#
84 121.3 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 46.382 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044820.D
Acq: 03 Feb 2025 17:18

Tgt Ion: 65 Resp: 84178
Ion Ratio Lower Upper
65 100
67 54.6 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: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

ClientSampleId :

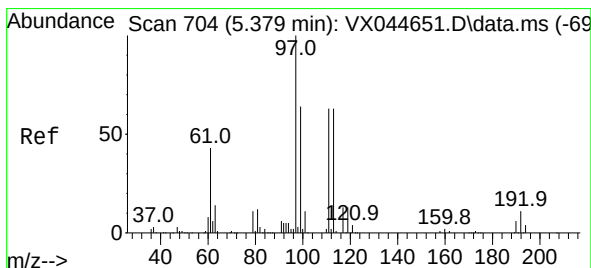
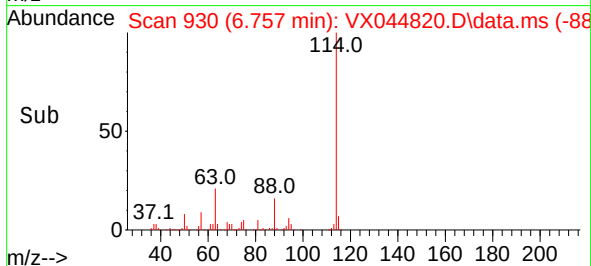
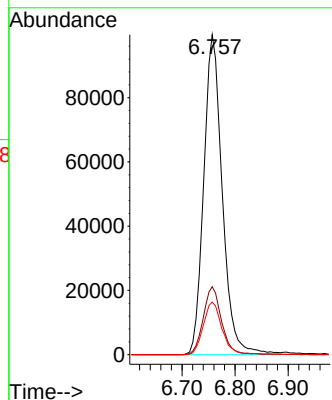
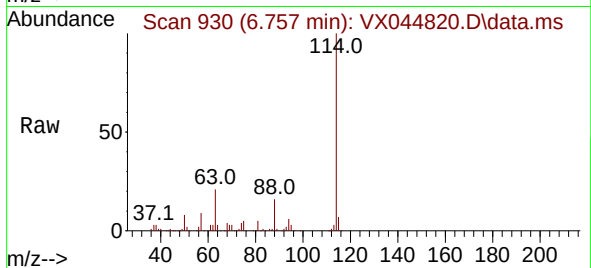
Tgt Ion:114 Resp: 241866

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 16.4 0.0 35.4



#35

Dibromofluoromethane

Concen: 47.707 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

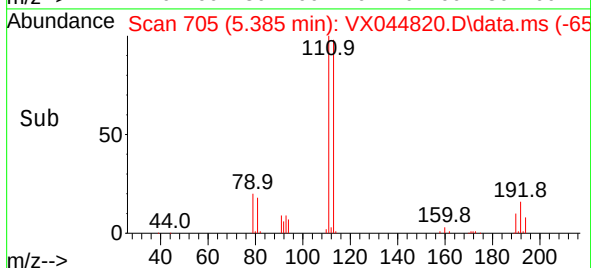
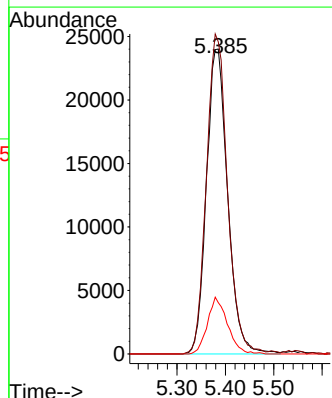
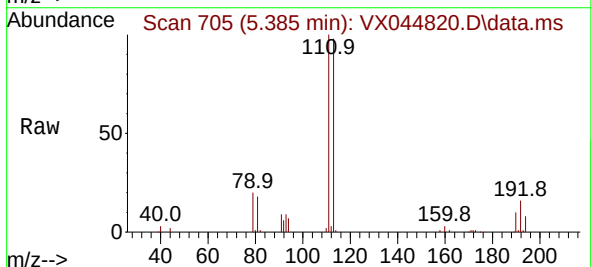
Tgt Ion:113 Resp: 73303

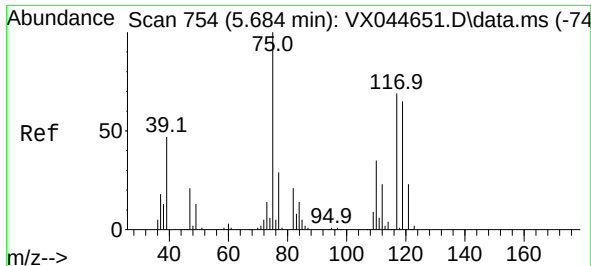
Ion Ratio Lower Upper

113 100

111 103.8 81.6 122.4

192 17.6 14.4 21.6

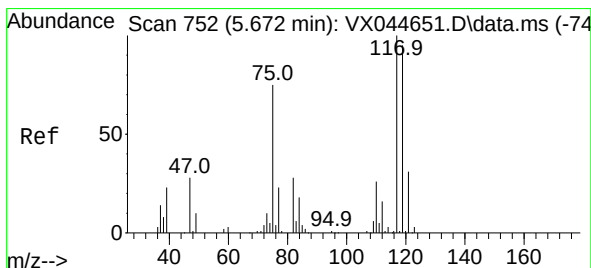
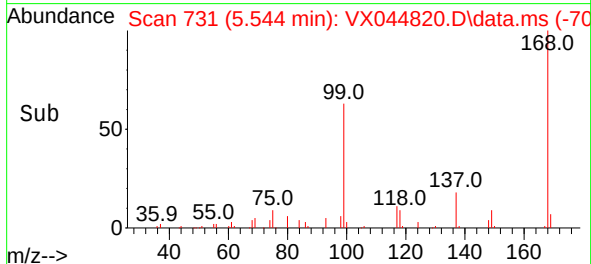
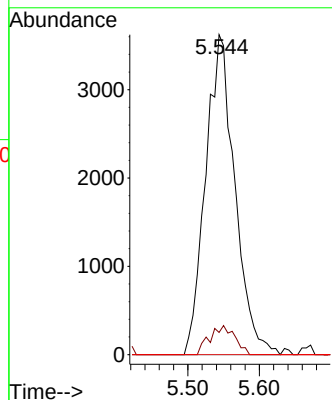
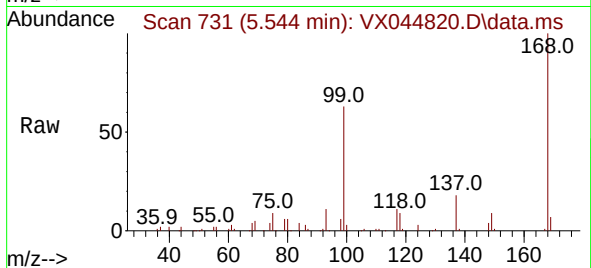




#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX044820.D
Acq: 03 Feb 2025 17:18

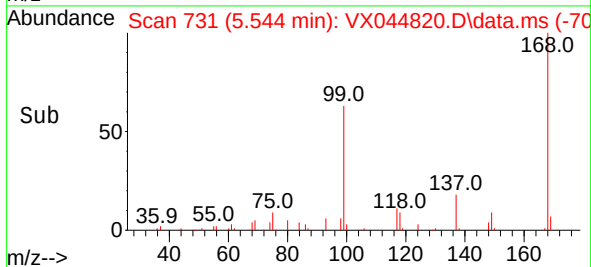
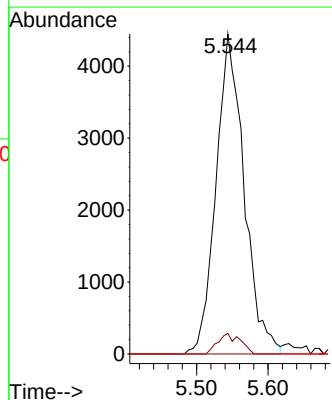
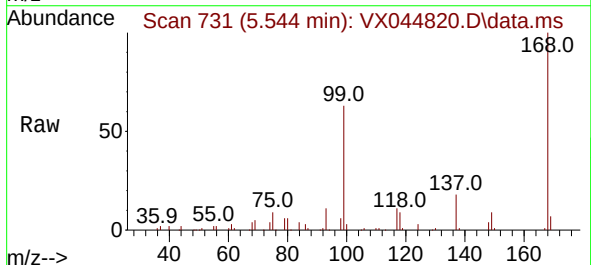
Instrument :
MSVOA_X
ClientSampleId :

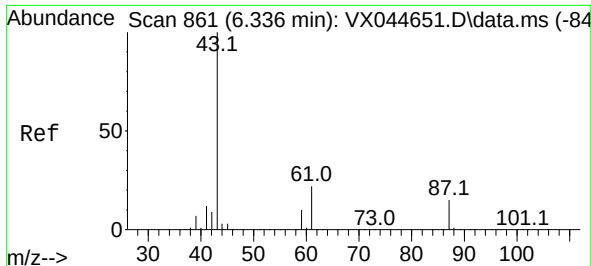
Tgt Ion: 75 Resp: 10281
Ion Ratio Lower Upper
75 100
110 7.8 17.9 53.8#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.042 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044820.D
Acq: 03 Feb 2025 17:18

Tgt Ion: 117 Resp: 12131
Ion Ratio Lower Upper
117 100
119 6.5 76.0 114.0#
121 0.0 24.6 36.8#

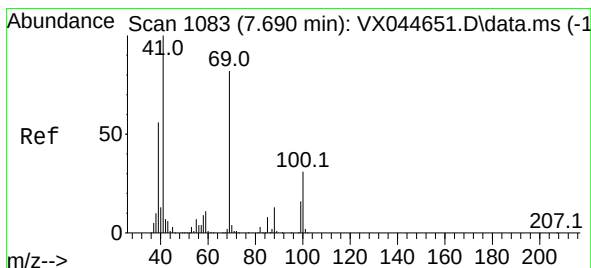
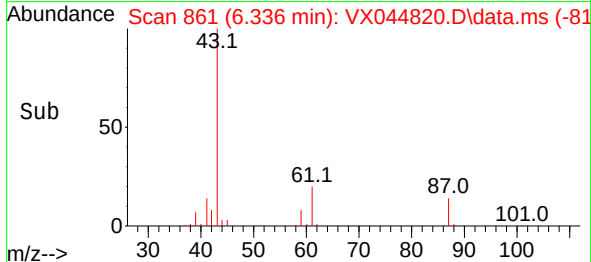
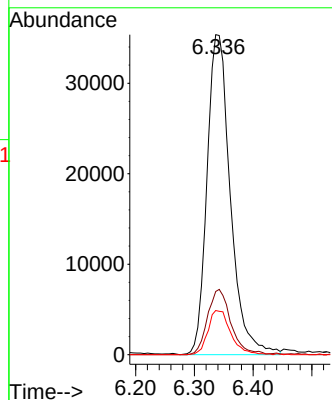
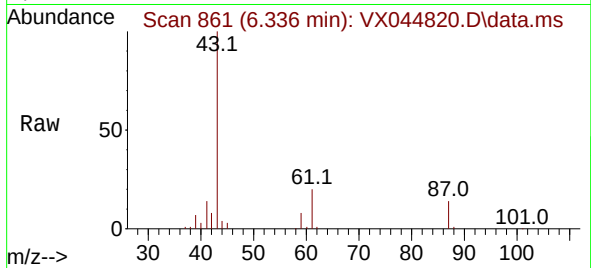




#43
Isopropyl Acetate
Concen: 23.319 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044820.D
Acq: 03 Feb 2025 17:18

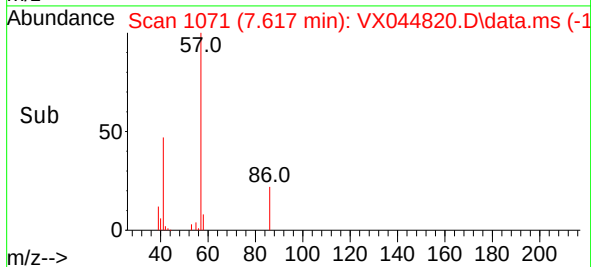
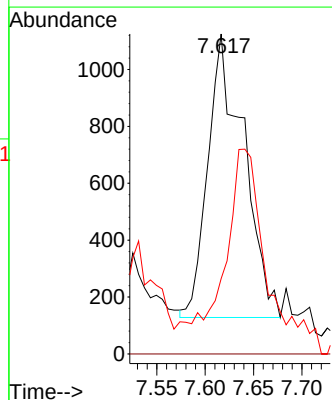
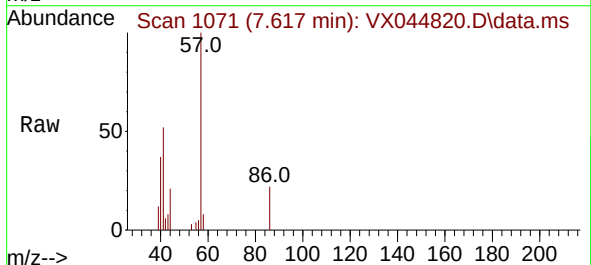
Instrument :
MSVOA_X
ClientSampleId :

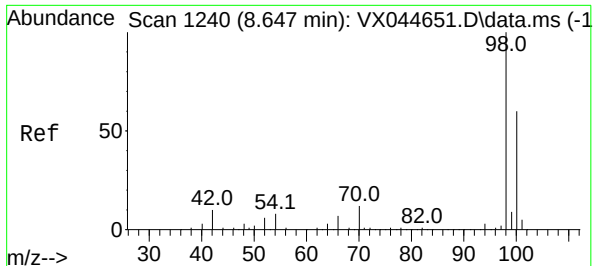
Tgt Ion:	43	Resp:	97710
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.6	24.8
87	13.4	11.0	16.6



#48
Methyl methacrylate
Concen: 1.319 ug/l
RT: 7.617 min Scan# 1071
Delta R.T. -0.073 min
Lab File: VX044820.D
Acq: 03 Feb 2025 17:18

Tgt Ion:	41	Resp:	2566
Ion	Ratio	Lower	Upper
41	100		
69	0.0	66.8	100.2#
39	0.0	47.4	71.0#





#50

Toluene-d8

Concen: 52.073 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

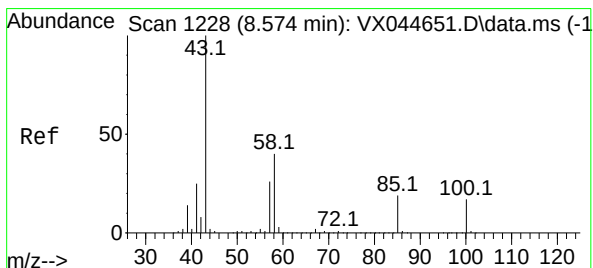
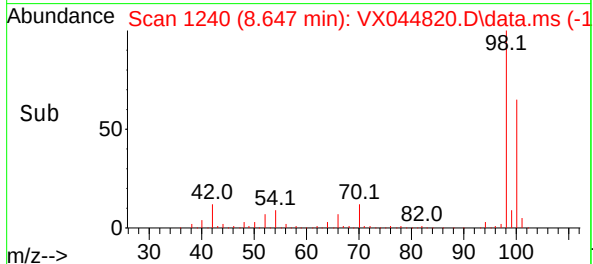
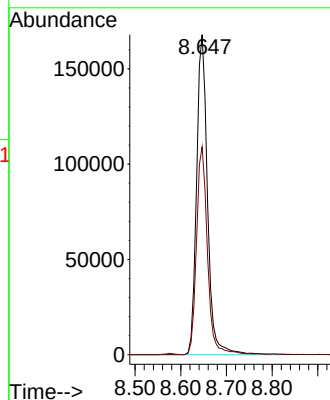
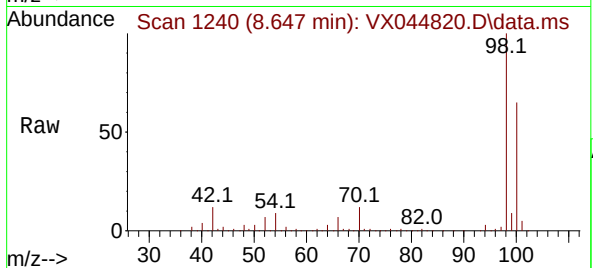
ClientSampleId :

Tgt Ion: 98 Resp: 278984

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 38.583 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.030 min

Lab File: VX044820.D

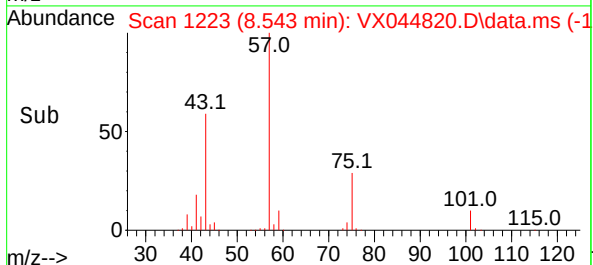
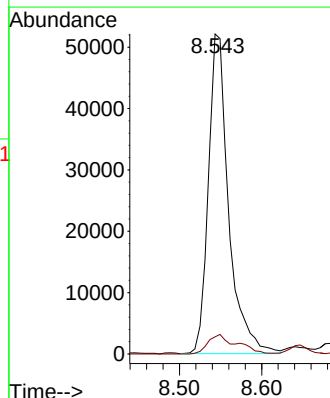
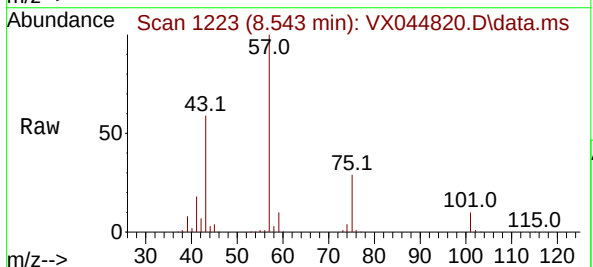
Acq: 03 Feb 2025 17:18

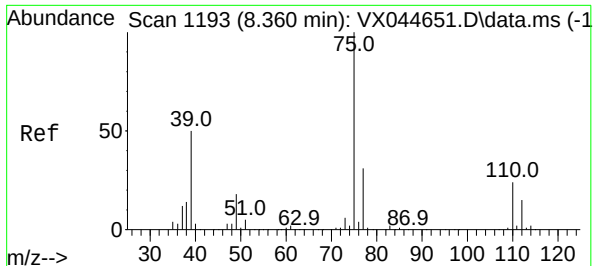
Tgt Ion: 43 Resp: 89343

Ion Ratio Lower Upper

43 100

58 8.7 31.9 47.9#





#54

cis-1,3-Dichloropropene

Concen: 14.564 ug/l

RT: 8.549 min Scan# 1193

Delta R.T. 0.189 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

ClientSampleId :

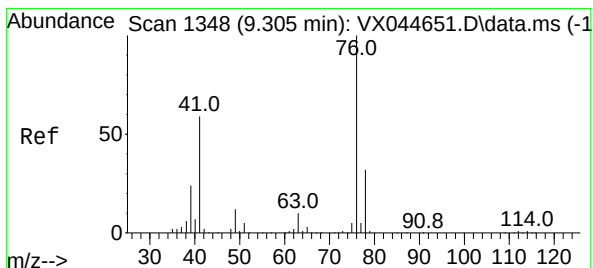
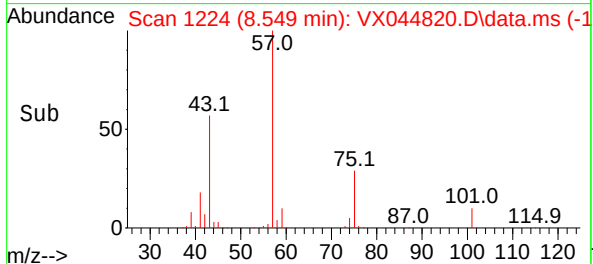
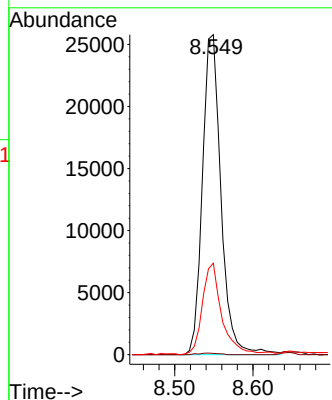
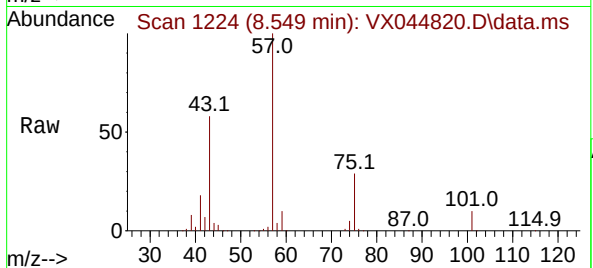
Tgt Ion: 75 Resp: 42496

Ion Ratio Lower Upper

75 100

77 0.4 25.1 37.7#

39 28.6 40.3 60.5#



#57

1,3-Dichloropropane

Concen: 1.376 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX044820.D

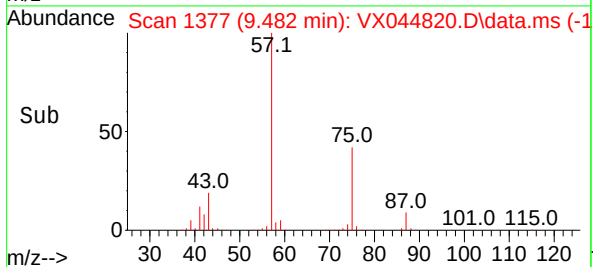
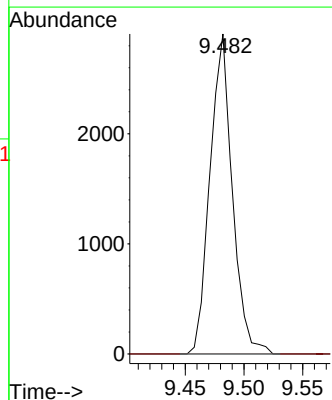
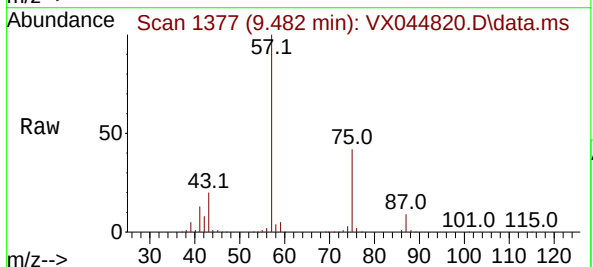
Acq: 03 Feb 2025 17:18

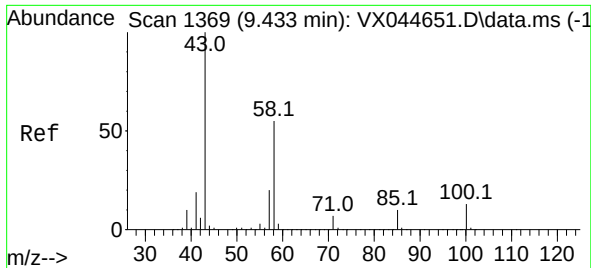
Tgt Ion: 76 Resp: 3846

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 29.639 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

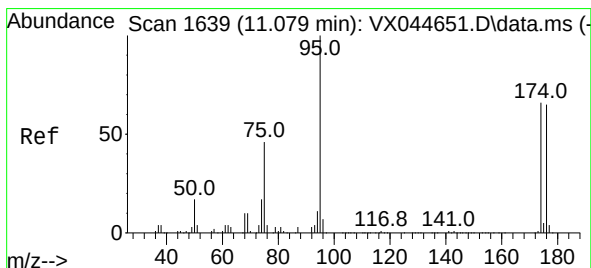
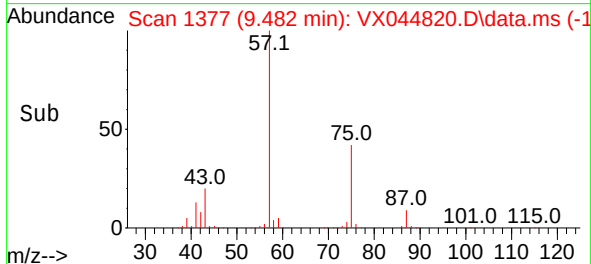
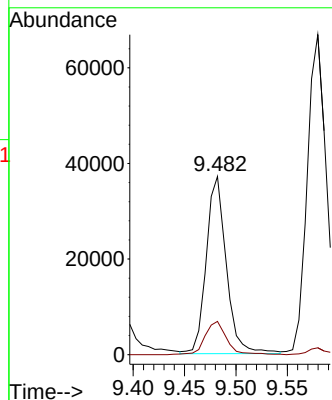
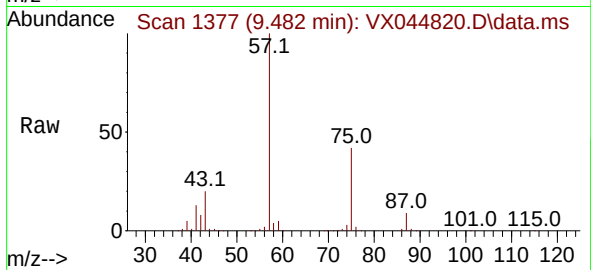
ClientSampleId :

Tgt Ion: 43 Resp: 50493

Ion Ratio Lower Upper

43 100

58 20.3 27.8 83.3#



#62

4-Bromofluorobenzene

Concen: 49.478 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

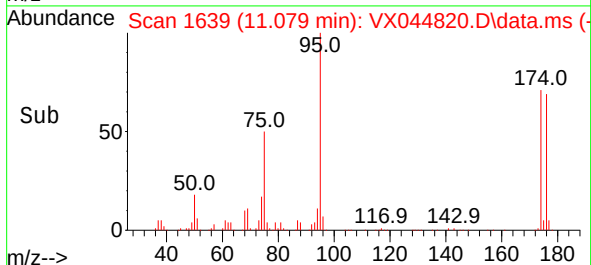
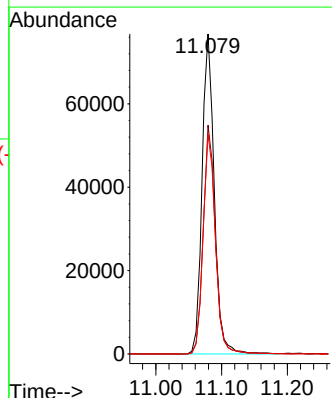
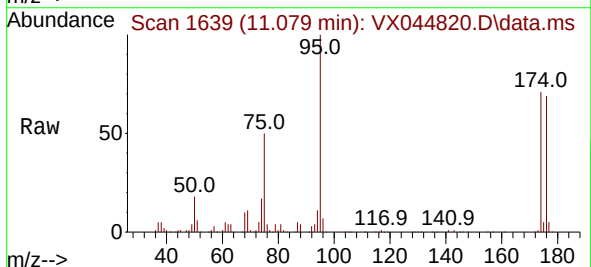
Tgt Ion: 95 Resp: 98821

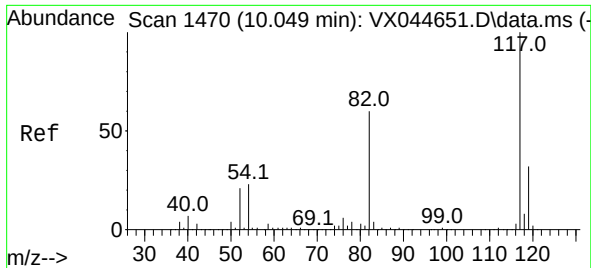
Ion Ratio Lower Upper

95 100

174 71.4 0.0 133.0

176 69.8 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: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

ClientSampleId :

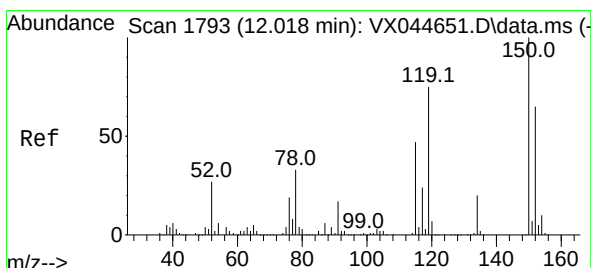
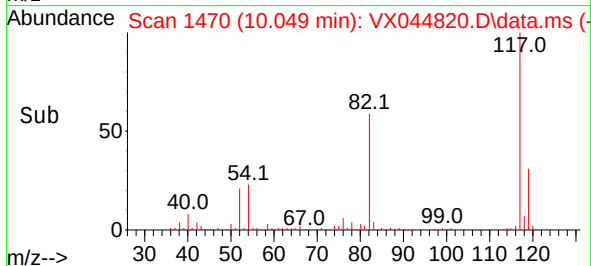
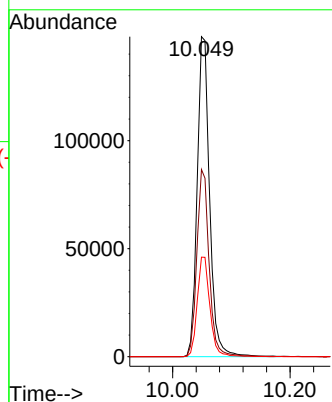
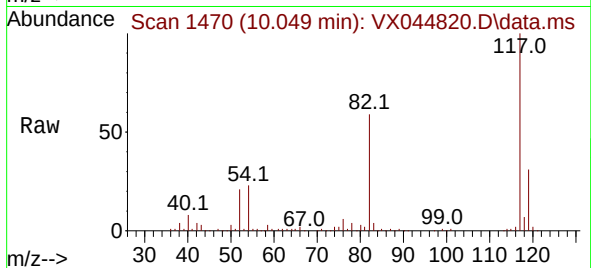
Tgt Ion:117 Resp: 217390

Ion Ratio Lower Upper

117 100

82 58.5 47.6 71.4

119 31.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

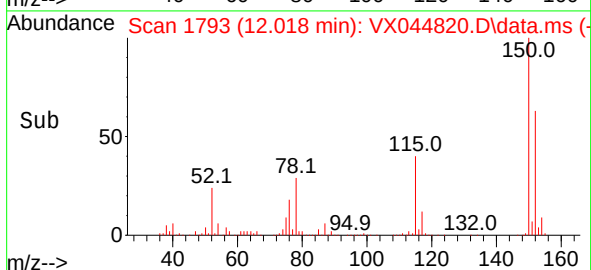
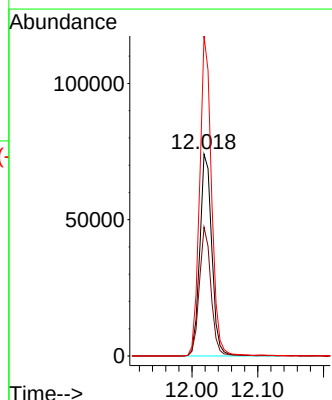
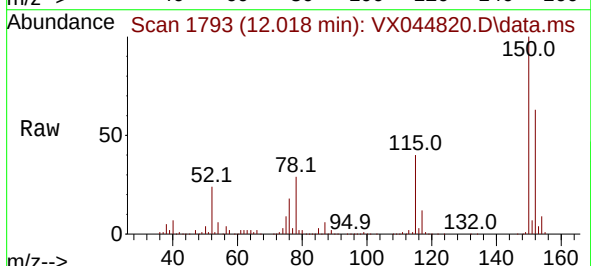
Tgt Ion:152 Resp: 94373

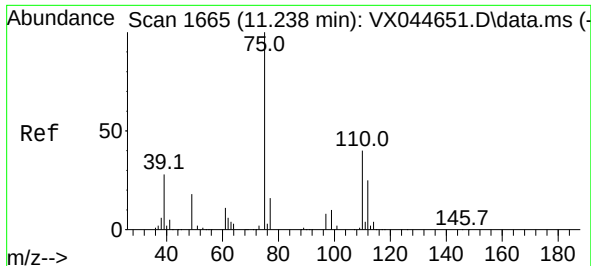
Ion Ratio Lower Upper

152 100

115 61.8 43.8 131.4

150 155.8 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 21.134 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

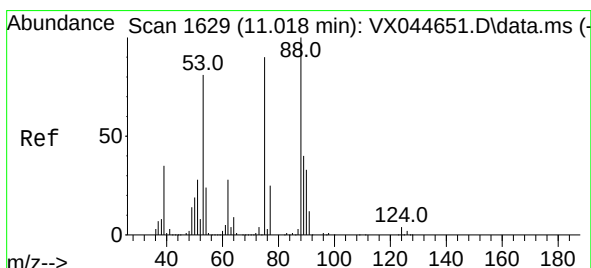
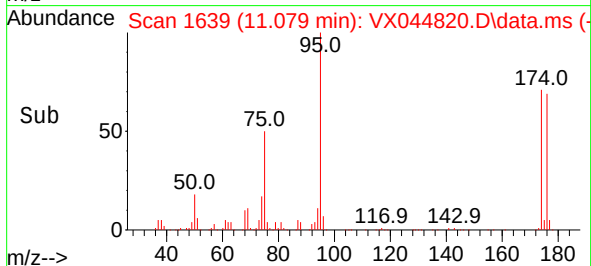
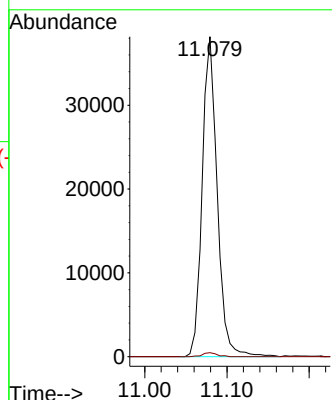
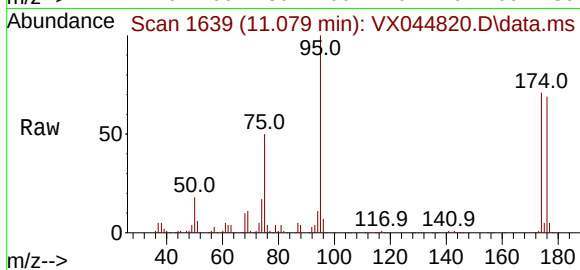
ClientSampleId :

Tgt Ion: 75 Resp: 48404

Ion Ratio Lower Upper

75 100

77 1.2 23.4 70.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.331 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

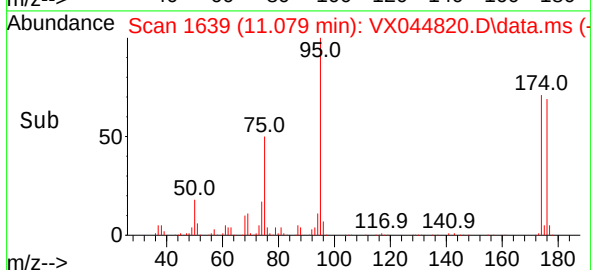
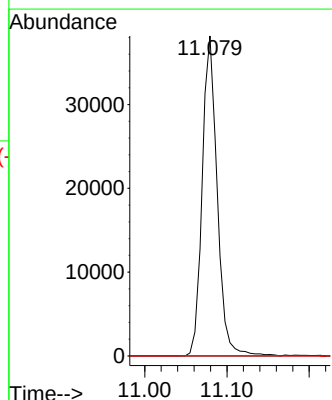
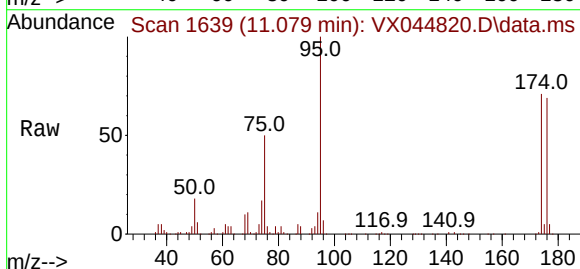
Tgt Ion: 75 Resp: 48404

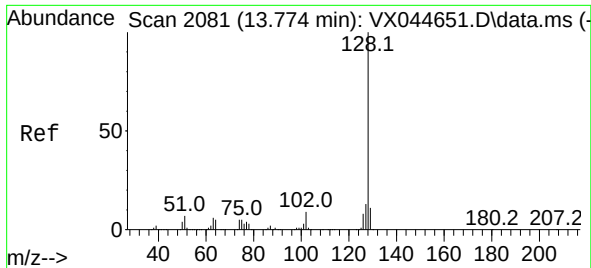
Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 1.147 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

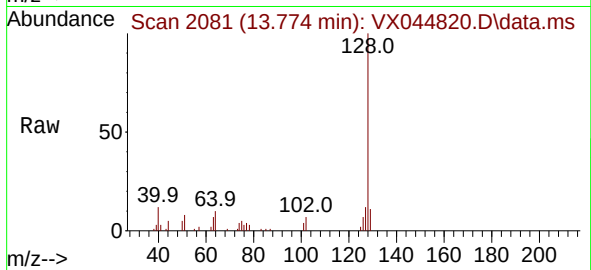
Lab File: VX044820.D

Acq: 03 Feb 2025 17:18

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 8489

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 11.4 8.7 13.1

