

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042122.D
 Acq On : 01 Jul 2024 18:15
 Operator : JC/MD
 Sample : P3106-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-1

Quant Time: Jul 02 02:10:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	134887	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	209393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102970	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67273	43.251	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.500%
35) Dibromofluoromethane	5.385	113	65035	43.772	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.540%
50) Toluene-d8	8.646	98	243400	46.632	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.260%
62) 4-Bromofluorobenzene	11.079	95	92725	48.193	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.380%

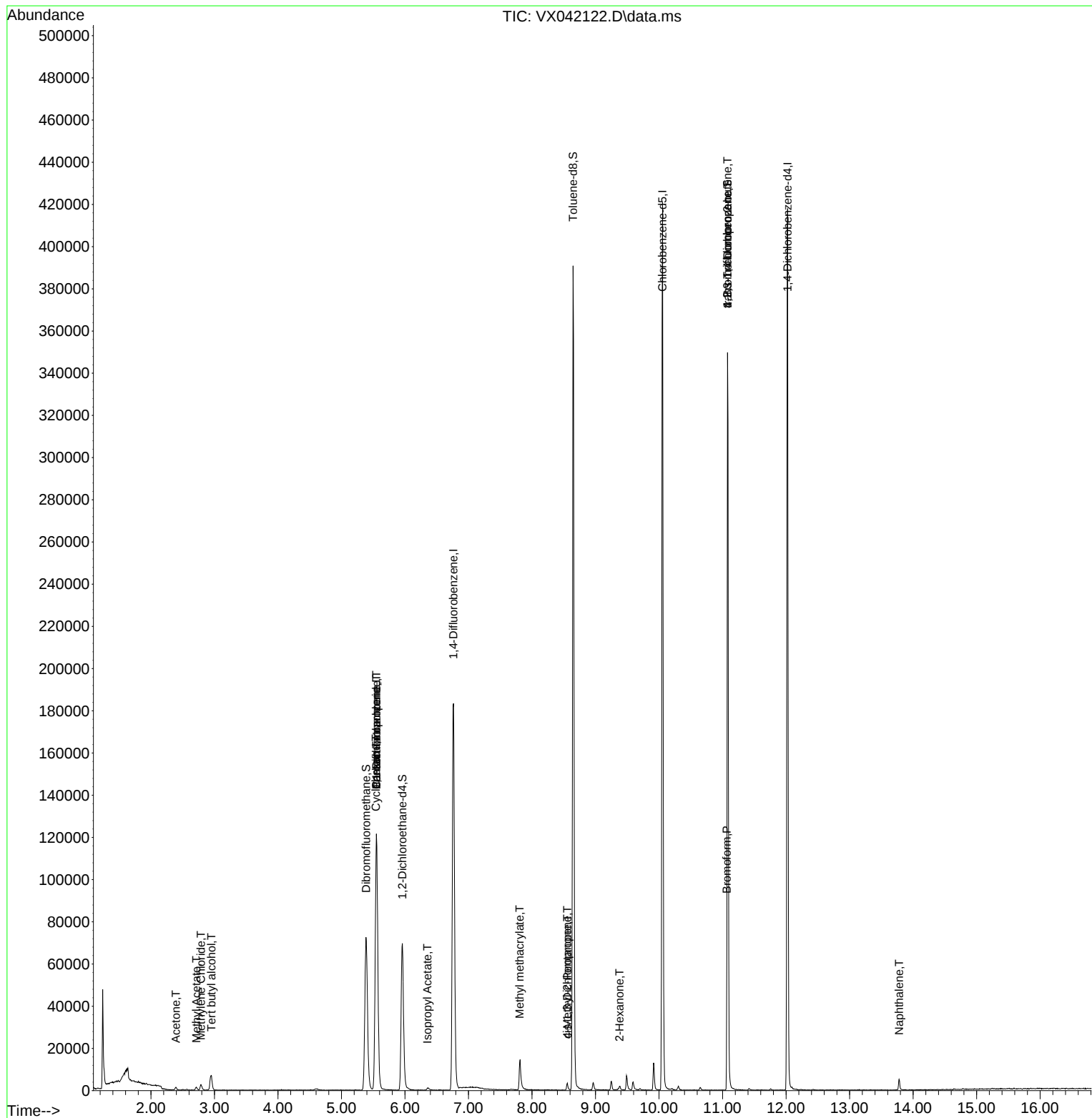
Target Compounds			Qvalue			
6) Chloroethane	1.678	64	1010	Below Cal	#	43
11) Tert butyl alcohol	2.952	59	4234	14.343	ug/l #	78
16) Acetone	2.392	43	1473	2.157	ug/l #	88
18) Methyl Acetate	2.715	43	2047	1.099	ug/l	96
20) Methylene Chloride	2.788	84	1490	0.996	ug/l #	75
31) Cyclohexane	5.543	56	1782	0.980	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	7538	4.778	ug/l #	51
38) Carbon Tetrachloride	5.549	117	11415	6.548	ug/l #	14
43) Isopropyl Acetate	6.354	43	1595	0.506	ug/l #	95
48) Methyl methacrylate	7.805	41	1382	0.918	ug/l #	47
51) 4-Methyl-2-Pentanone	8.555	43	1397	0.643	ug/l #	37
54) cis-1,3-Dichloropropene	8.555	75	563	0.294	ug/l #	54
59) 2-Hexanone	9.378	43	2031	1.220	ug/l #	26
71) Bromoform	11.067	173	27	0.894	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	42041	22.490	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42041	63.870	ug/l #	5
95) Naphthalene	13.780	128	4617	1.364	ug/l	96

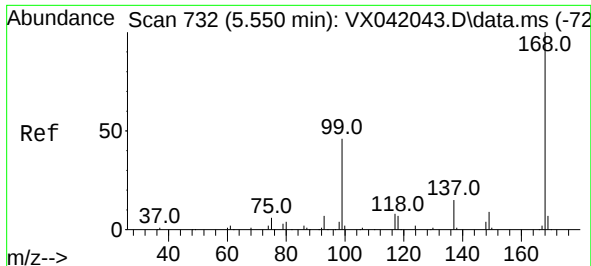
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 02:10:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
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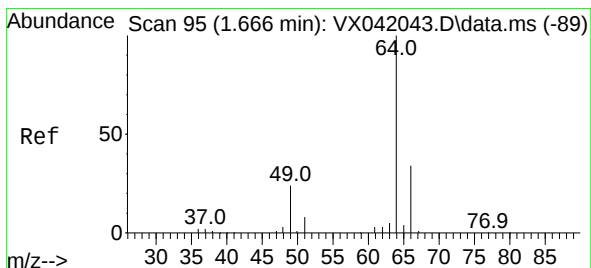
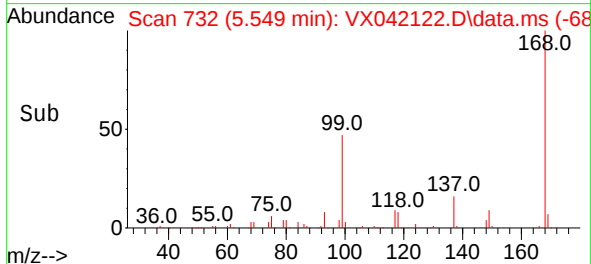
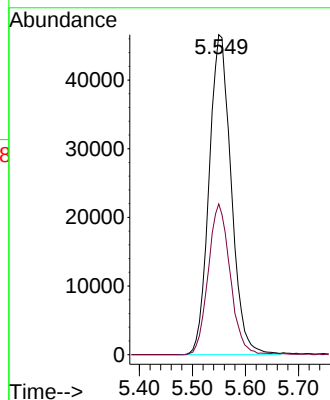
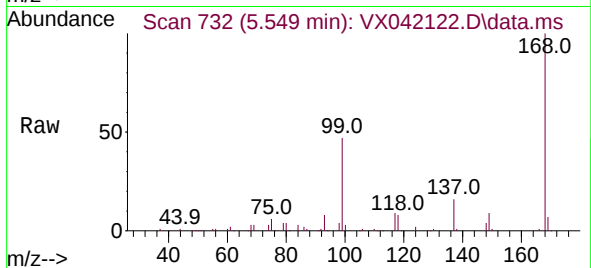




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 74
Delta R.T. -0.001 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

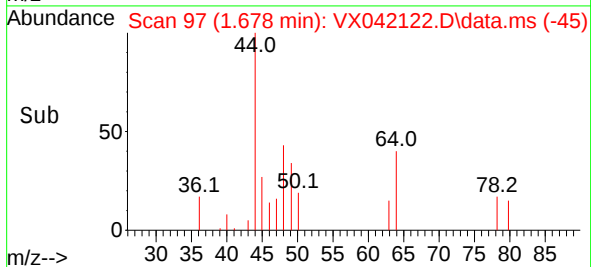
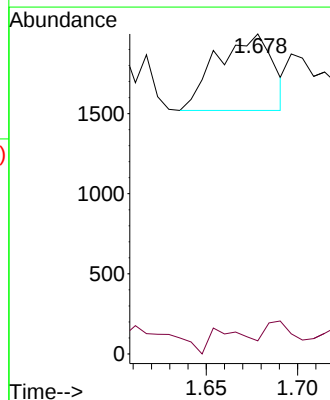
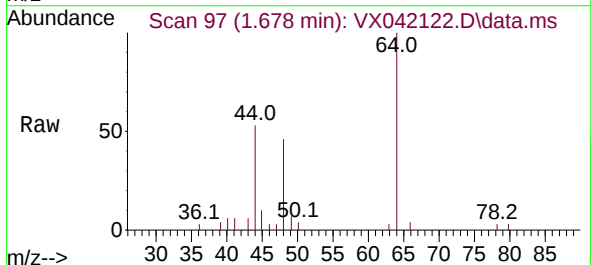
Instrument :
MSVOA_X
ClientSampleId :
S-1

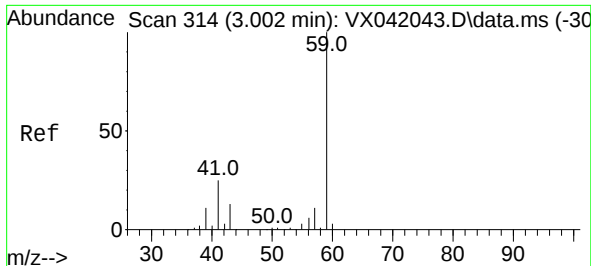
Tgt Ion:168 Resp: 134887
Ion Ratio Lower Upper
168 100
99 47.1 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. 0.018 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

Tgt Ion: 64 Resp: 1010
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 14.343 ug/l

RT: 2.952 min Scan# 306

Delta R.T. -0.055 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

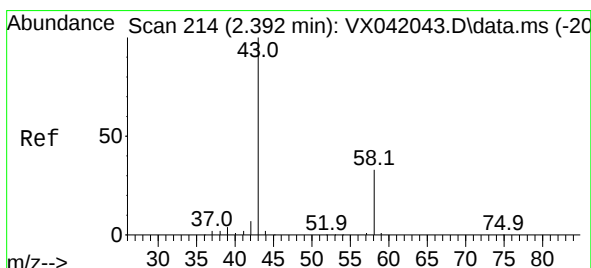
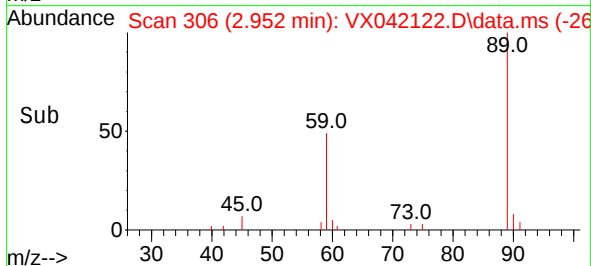
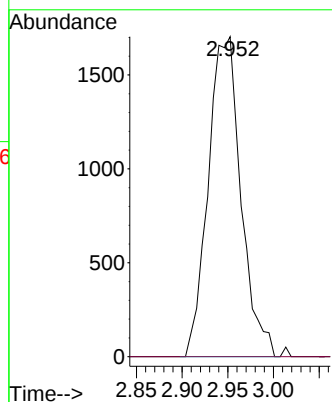
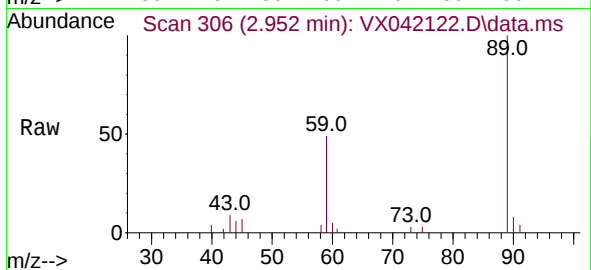
S-1

Tgt Ion: 59 Resp: 4234

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.157 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042122.D

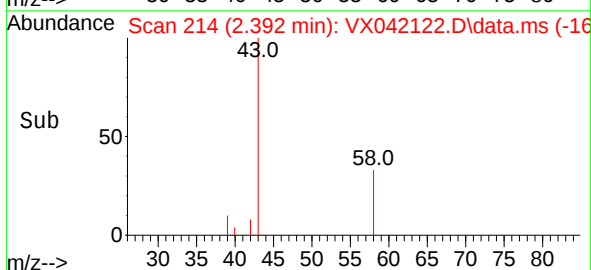
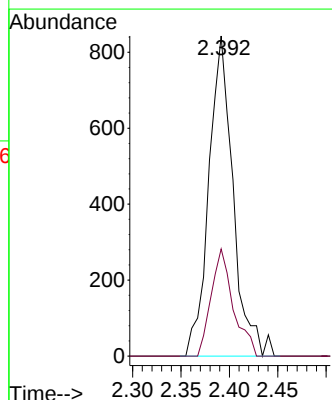
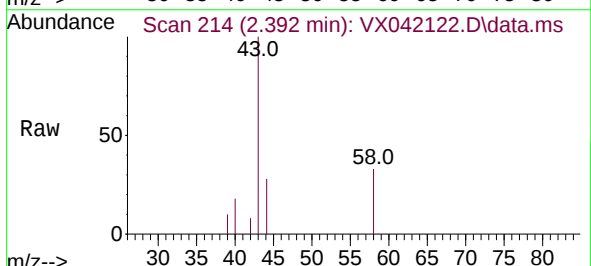
Acq: 01 Jul 2024 18:15

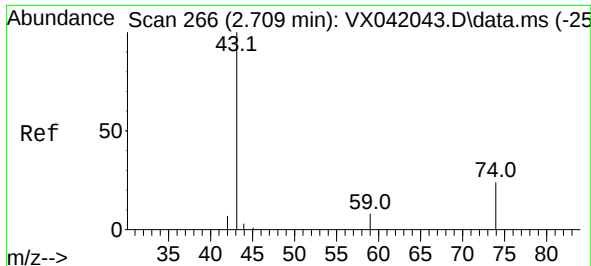
Tgt Ion: 43 Resp: 1473

Ion Ratio Lower Upper

43 100

58 33.5 21.9 32.9#





#18

Methyl Acetate

Concen: 1.099 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

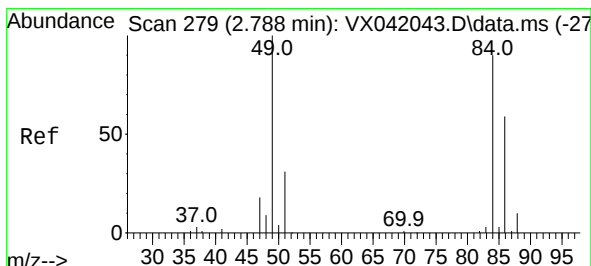
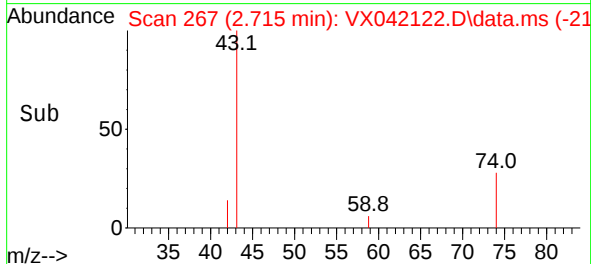
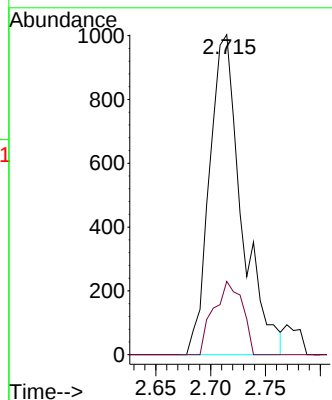
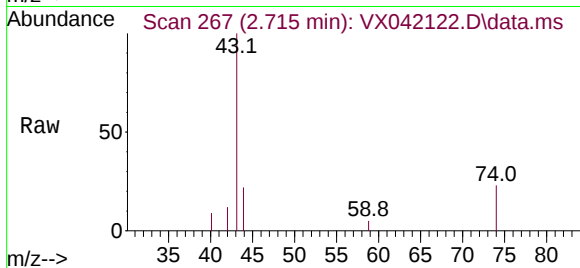
S-1

Tgt Ion: 43 Resp: 2047

Ion Ratio Lower Upper

43 100

74 20.4 17.8 26.8



#20

Methylene Chloride

Concen: 0.996 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

Tgt Ion: 84 Resp: 1490

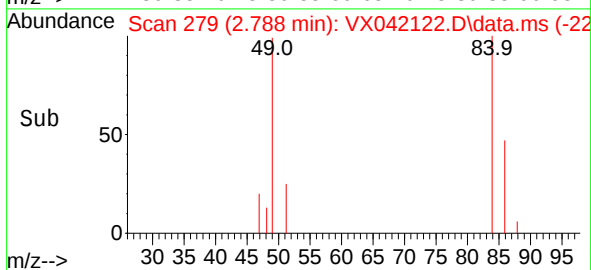
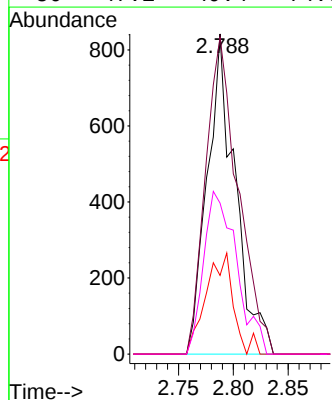
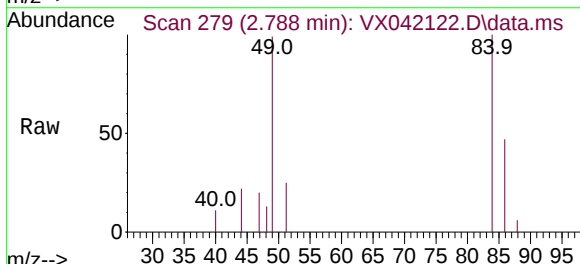
Ion Ratio Lower Upper

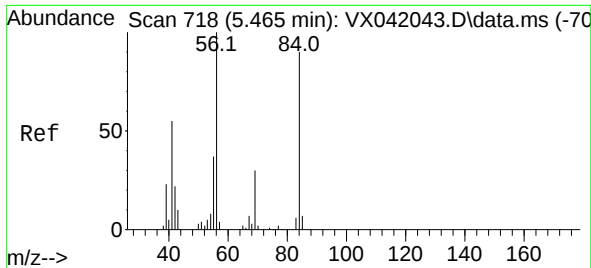
84 100

49 99.0 103.6 155.4#

51 24.6 33.8 50.6#

86 47.1 49.4 74.0#

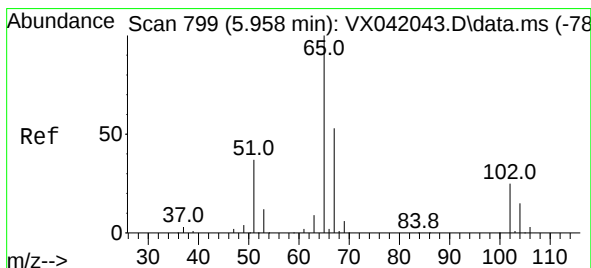
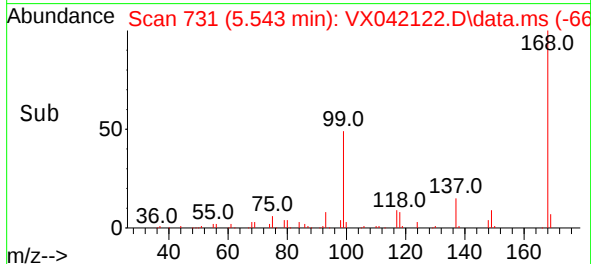
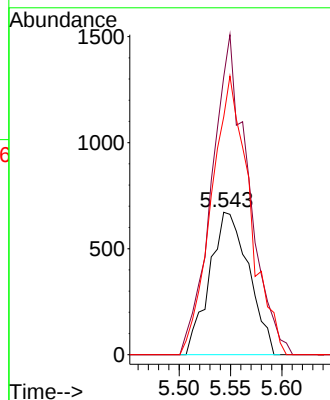
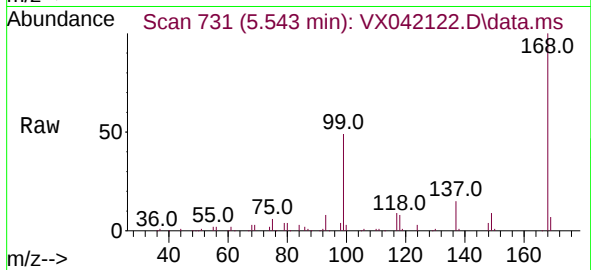




#31
Cyclohexane
Concen: 0.980 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

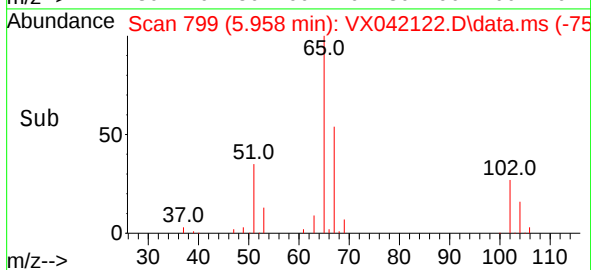
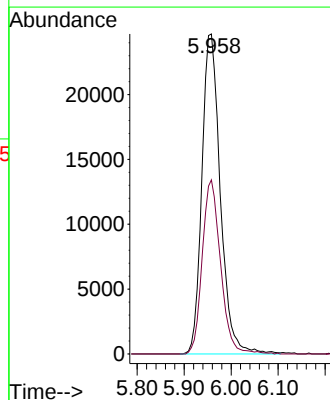
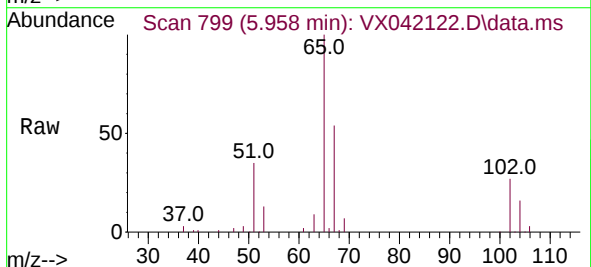
Instrument :
MSVOA_X
ClientSampleId :
S-1

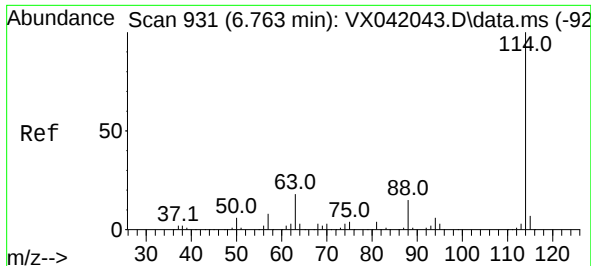
Tgt Ion: 56 Resp: 1782
Ion Ratio Lower Upper
56 100
69 194.9 23.4 35.2#
84 166.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.251 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

Tgt Ion: 65 Resp: 67273
Ion Ratio Lower Upper
65 100
67 54.0 0.0 100.2

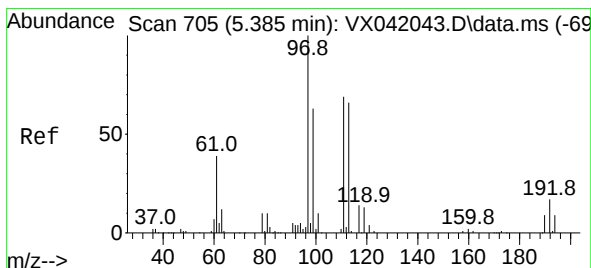
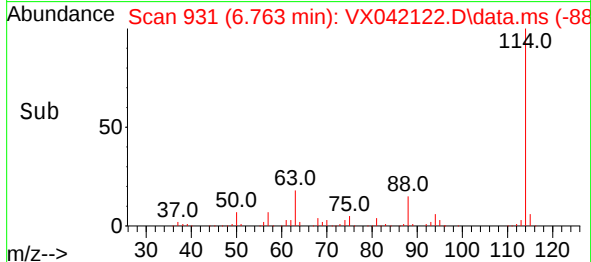
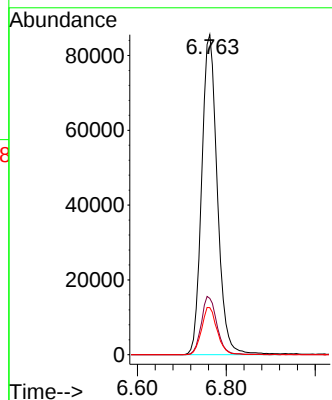
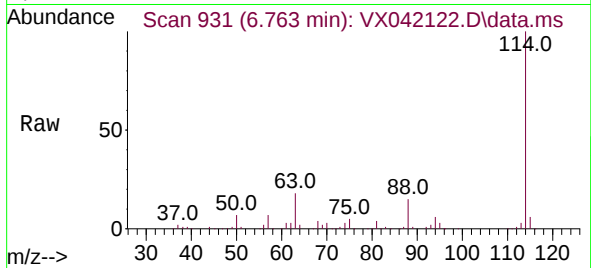




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

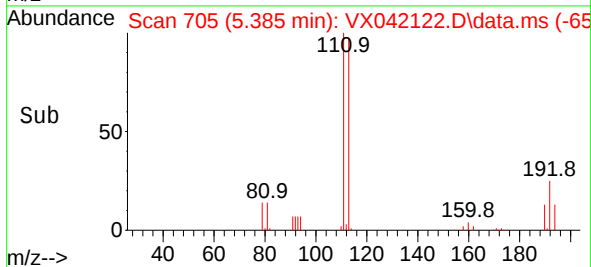
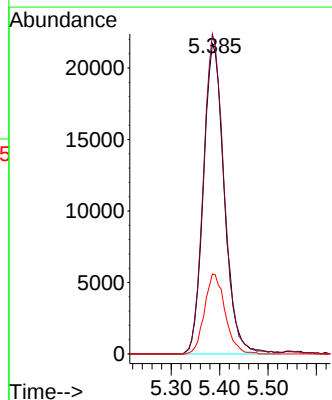
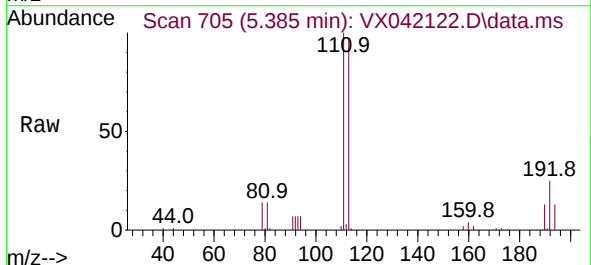
Instrument :
MSVOA_X
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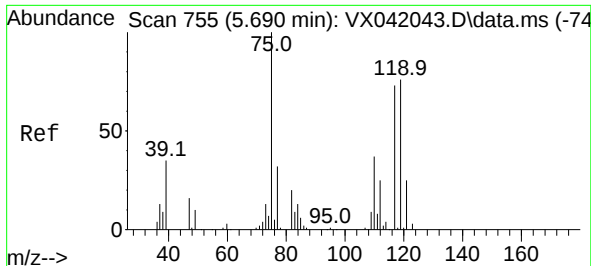
Tgt Ion:114 Resp: 209393
Ion Ratio Lower Upper
114 100
63 17.6 0.0 45.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.772 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

Tgt Ion:113 Resp: 65035
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 25.4 13.3 19.9#





#36

1,1-Dichloropropene

Concen: 4.778 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

S-1

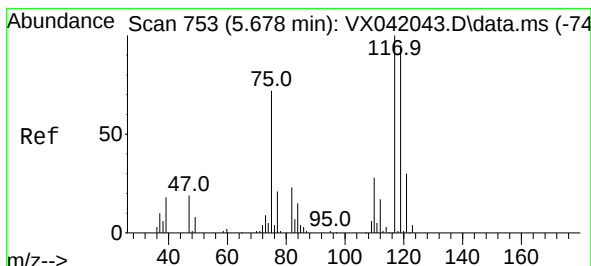
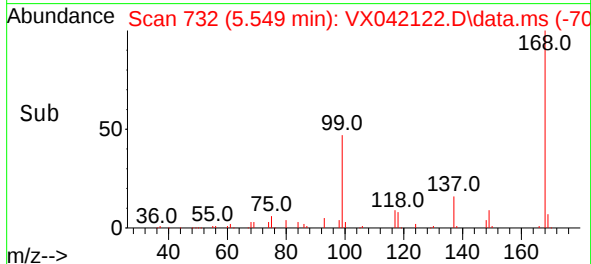
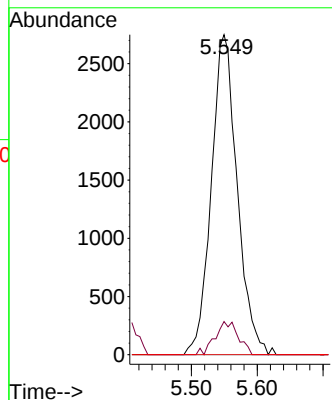
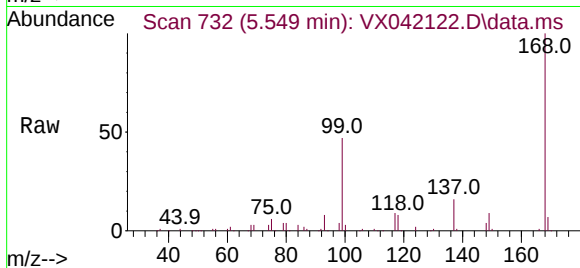
Tgt Ion: 75 Resp: 7538

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.548 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

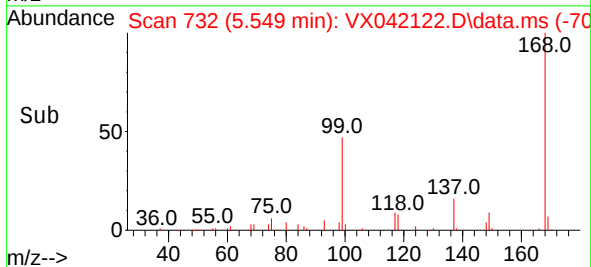
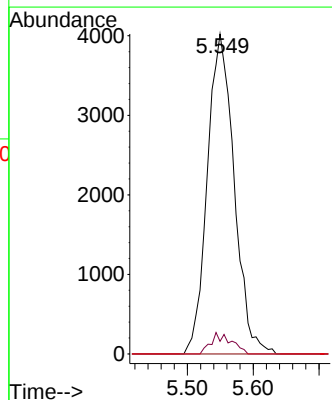
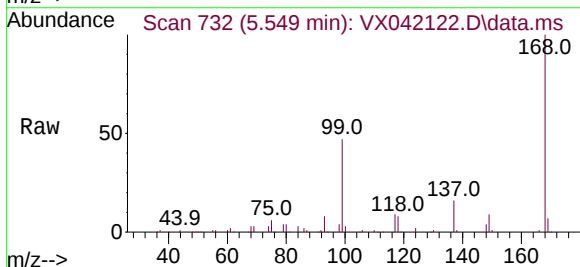
Tgt Ion: 117 Resp: 11415

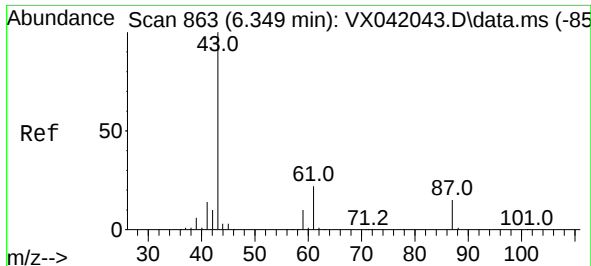
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

121 0.0 24.4 36.6#

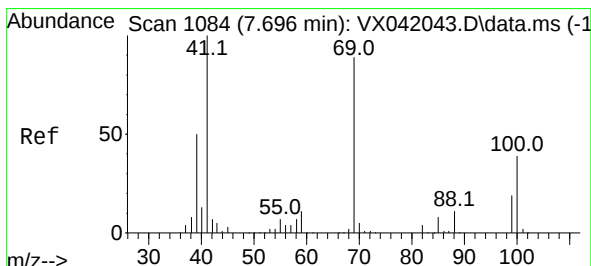
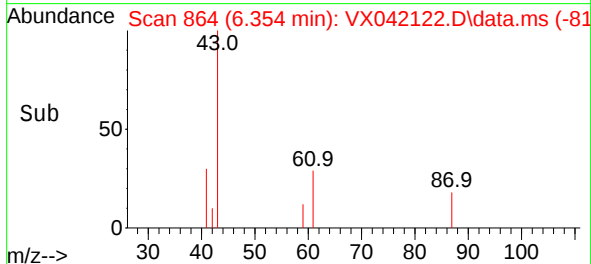
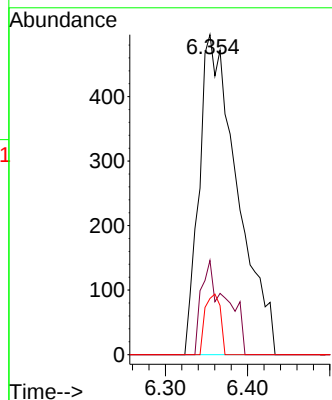
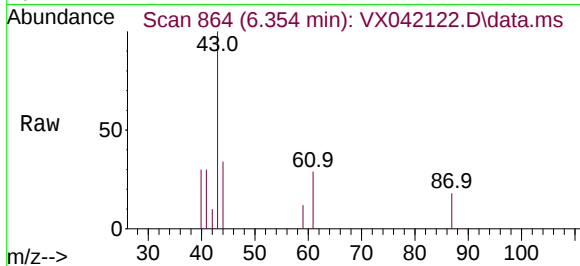




#43
Isopropyl Acetate
Concen: 0.506 ug/l
RT: 6.354 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

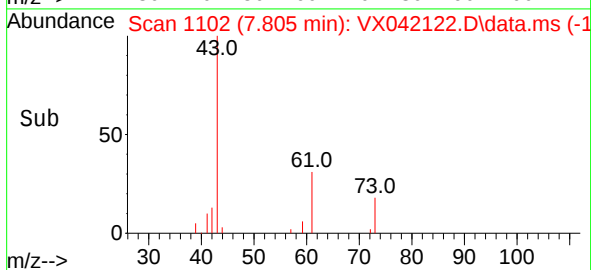
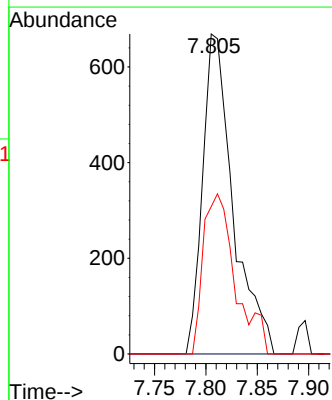
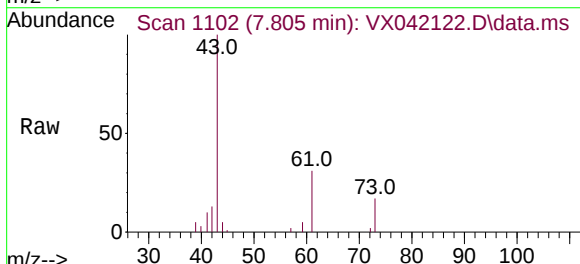
Instrument :
MSVOA_X
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S-1

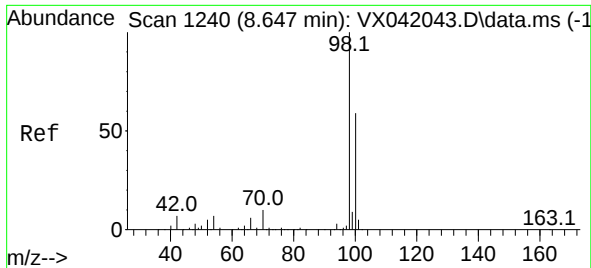
Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 7.6 9.8 14.6#



#48
Methyl methacrylate
Concen: 0.918 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

Tgt Ion: 41 Resp: 1382
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 52.7 47.7 71.5

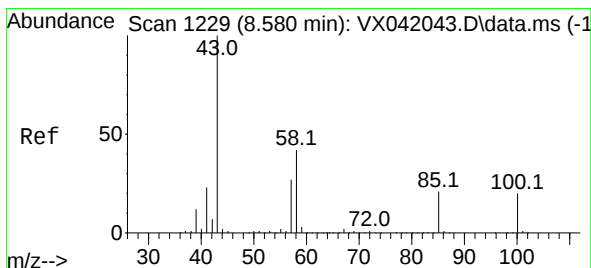
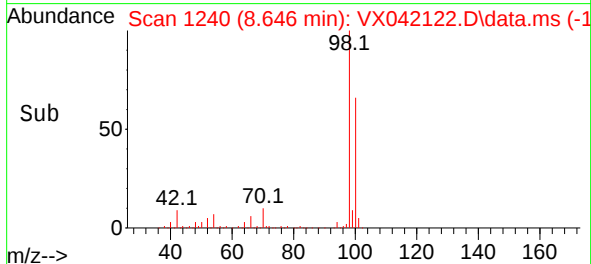
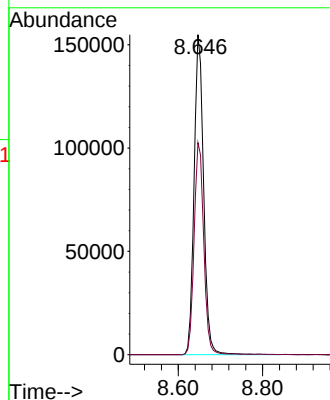
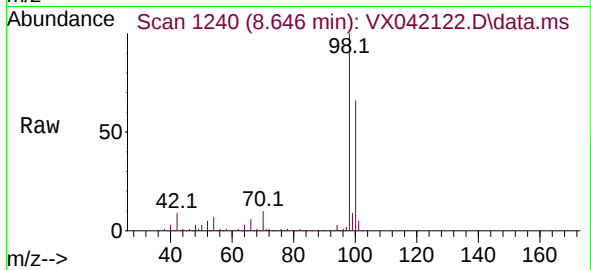




#50
Toluene-d8
Concen: 46.632 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

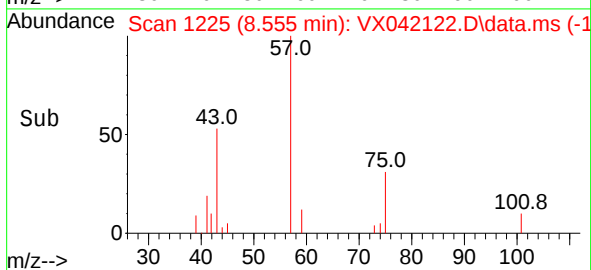
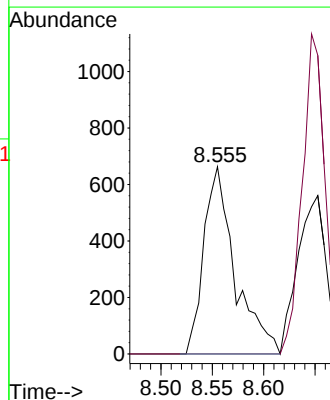
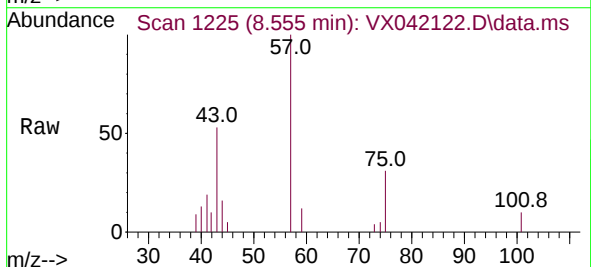
Instrument :
MSVOA_X
ClientSampleId :
S-1

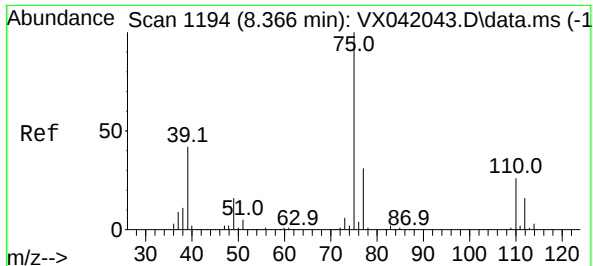
Tgt Ion: 98 Resp: 243400
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.643 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

Tgt Ion: 43 Resp: 1397
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

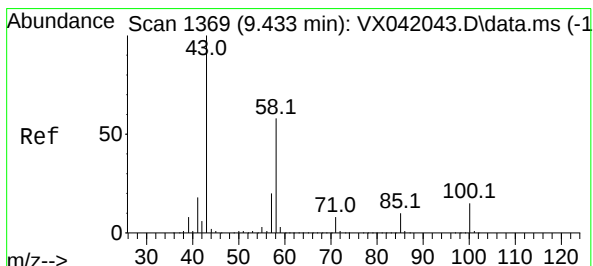
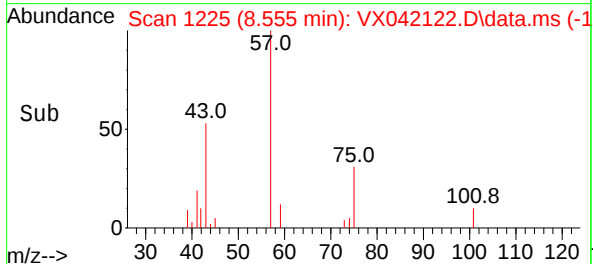
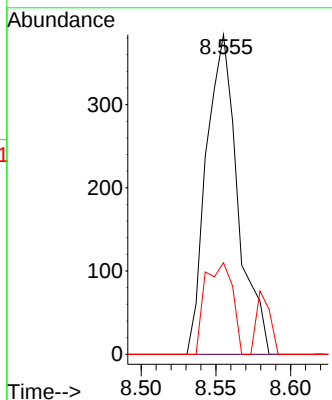
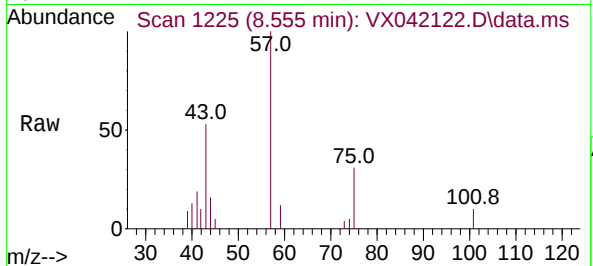




#54
cis-1,3-Dichloropropene
Concen: 0.294 ug/l
RT: 8.555 min Scan# 1194
Delta R.T. 0.189 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

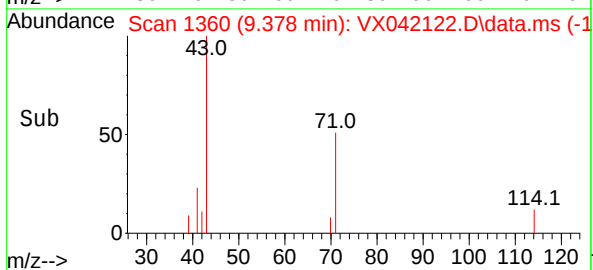
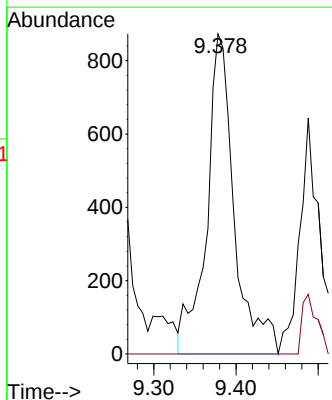
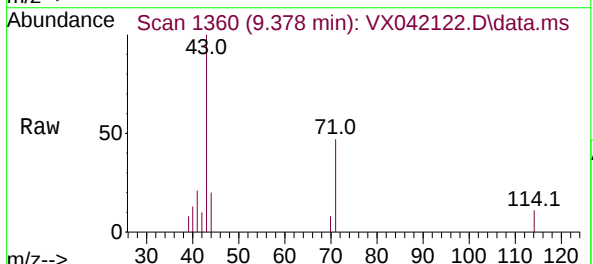
Instrument :
MSVOA_X
ClientSampleId :
S-1

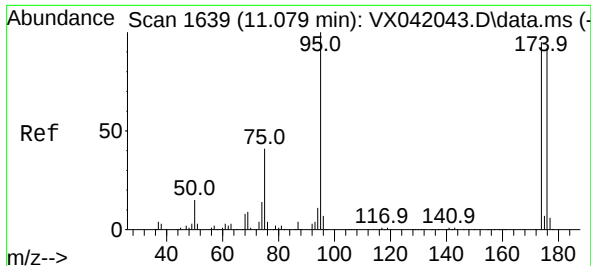
Tgt Ion: 75 Resp: 563
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 28.6 46.7 70.1#



#59
2-Hexanone
Concen: 1.220 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

Tgt Ion: 43 Resp: 2031
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 48.193 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

S-1

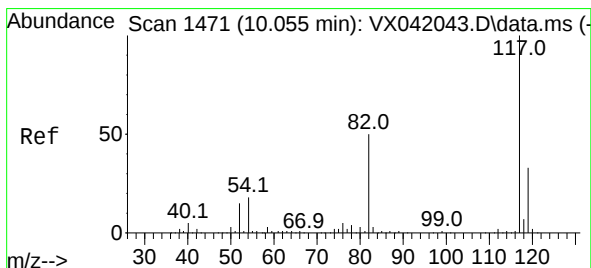
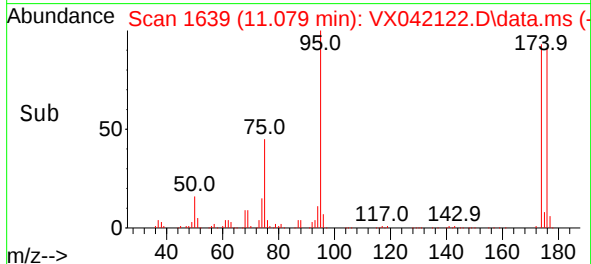
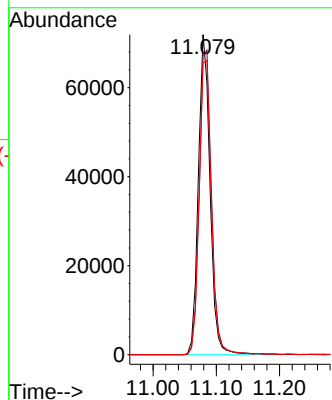
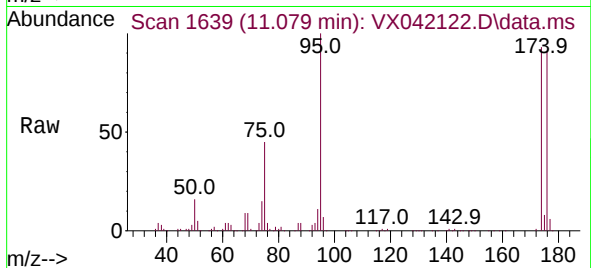
Tgt Ion: 95 Resp: 92725

Ion Ratio Lower Upper

95 100

174 99.7 0.0 135.6

176 96.2 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

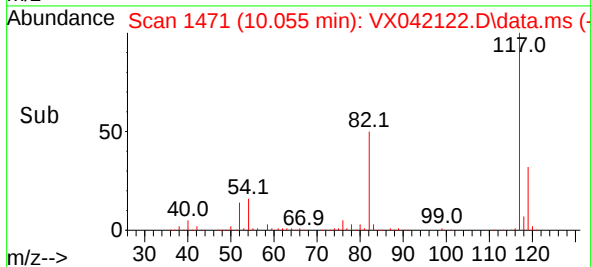
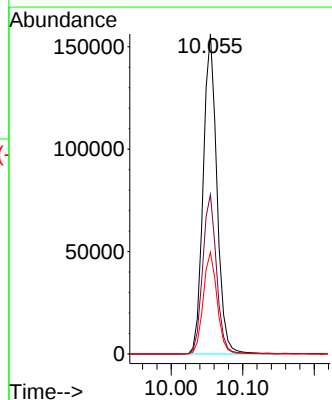
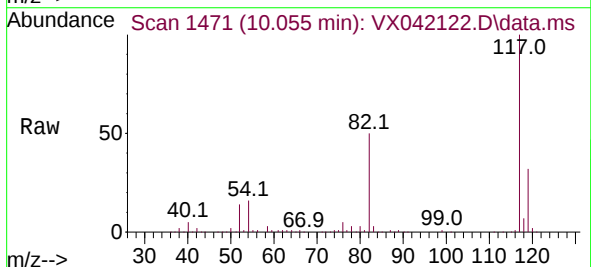
Tgt Ion: 117 Resp: 208452

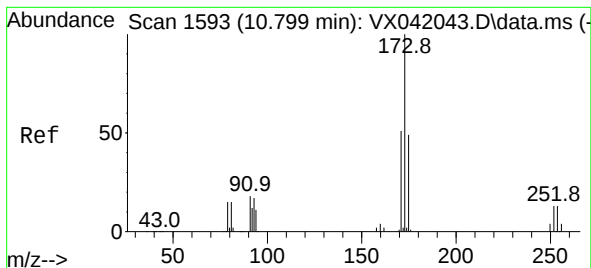
Ion Ratio Lower Upper

117 100

82 49.8 46.2 69.4

119 31.7 25.5 38.3





#71

Bromoform

Concen: 0.894 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.268 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

S-1

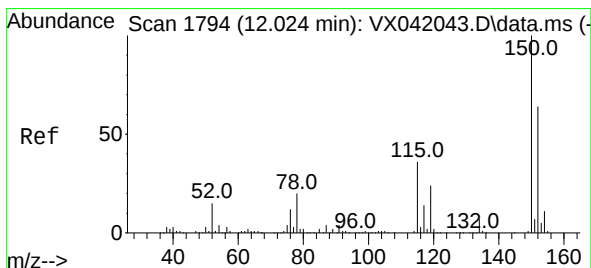
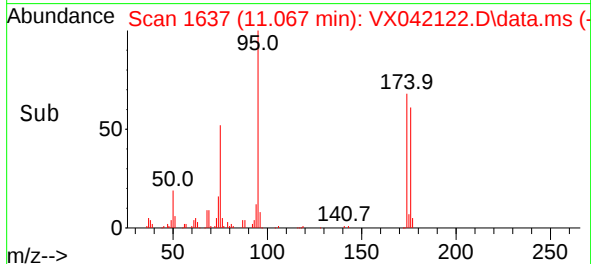
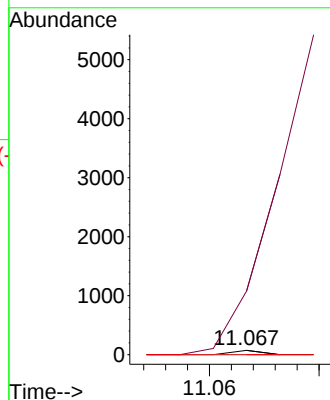
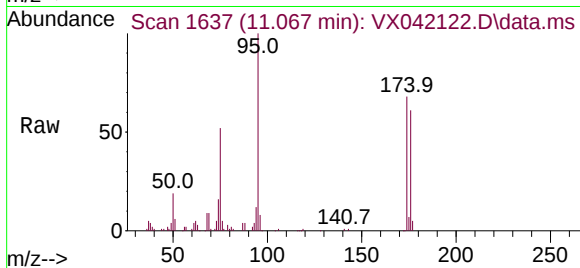
Tgt Ion:173 Resp: 27

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

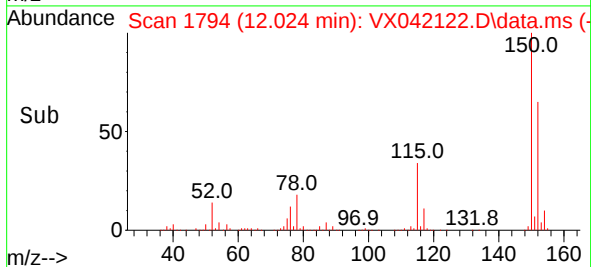
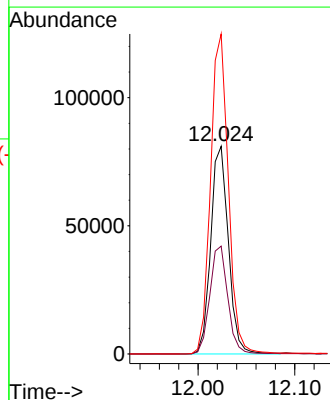
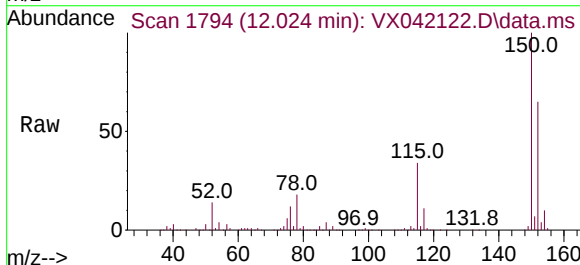
Tgt Ion:152 Resp: 102970

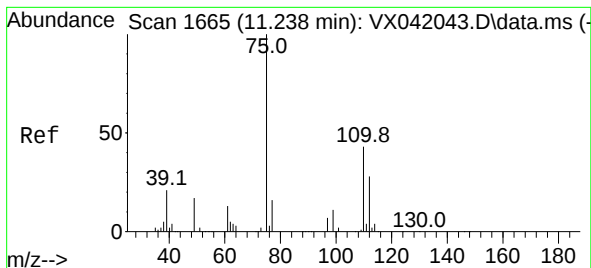
Ion Ratio Lower Upper

152 100

115 53.1 43.3 129.9

150 156.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.490 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

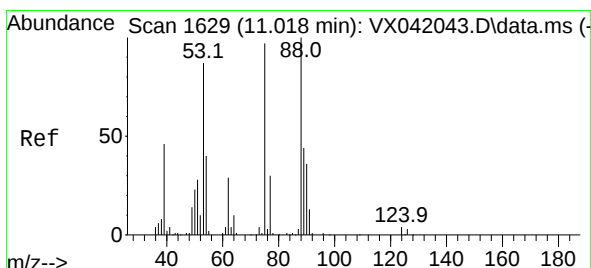
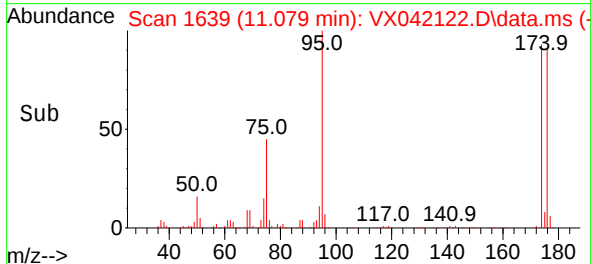
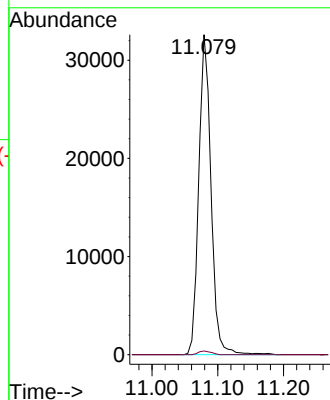
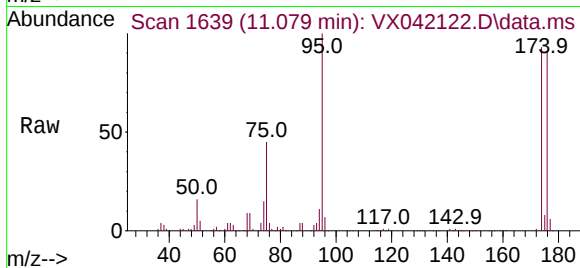
S-1

Tgt Ion: 75 Resp: 42041

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.870 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042122.D

Acq: 01 Jul 2024 18:15

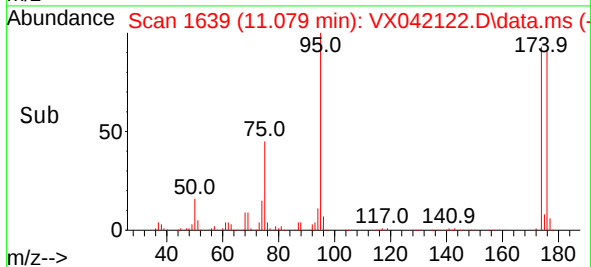
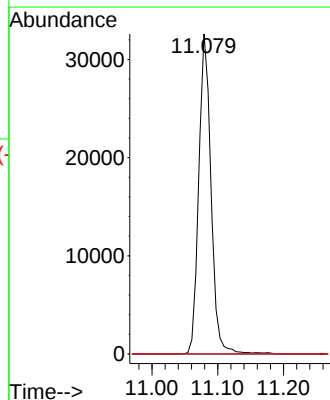
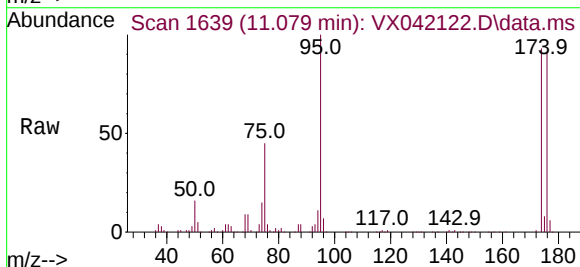
Tgt Ion: 75 Resp: 42041

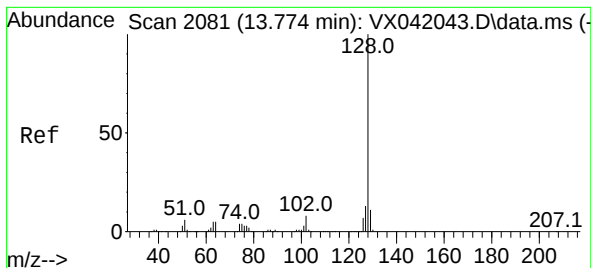
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

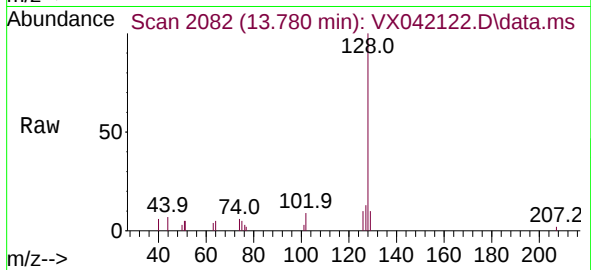
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 1.364 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042122.D
Acq: 01 Jul 2024 18:15

Instrument :
MSVOA_X
ClientSampleId :
S-1



Tgt Ion:128 Resp: 4617
Ion Ratio Lower Upper
128 100
127 11.4 10.3 15.5
129 9.2 8.8 13.2

