

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042120.D
 Acq On : 01 Jul 2024 17:29
 Operator : JC/MD
 Sample : P3092-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 02 02:09:26 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)

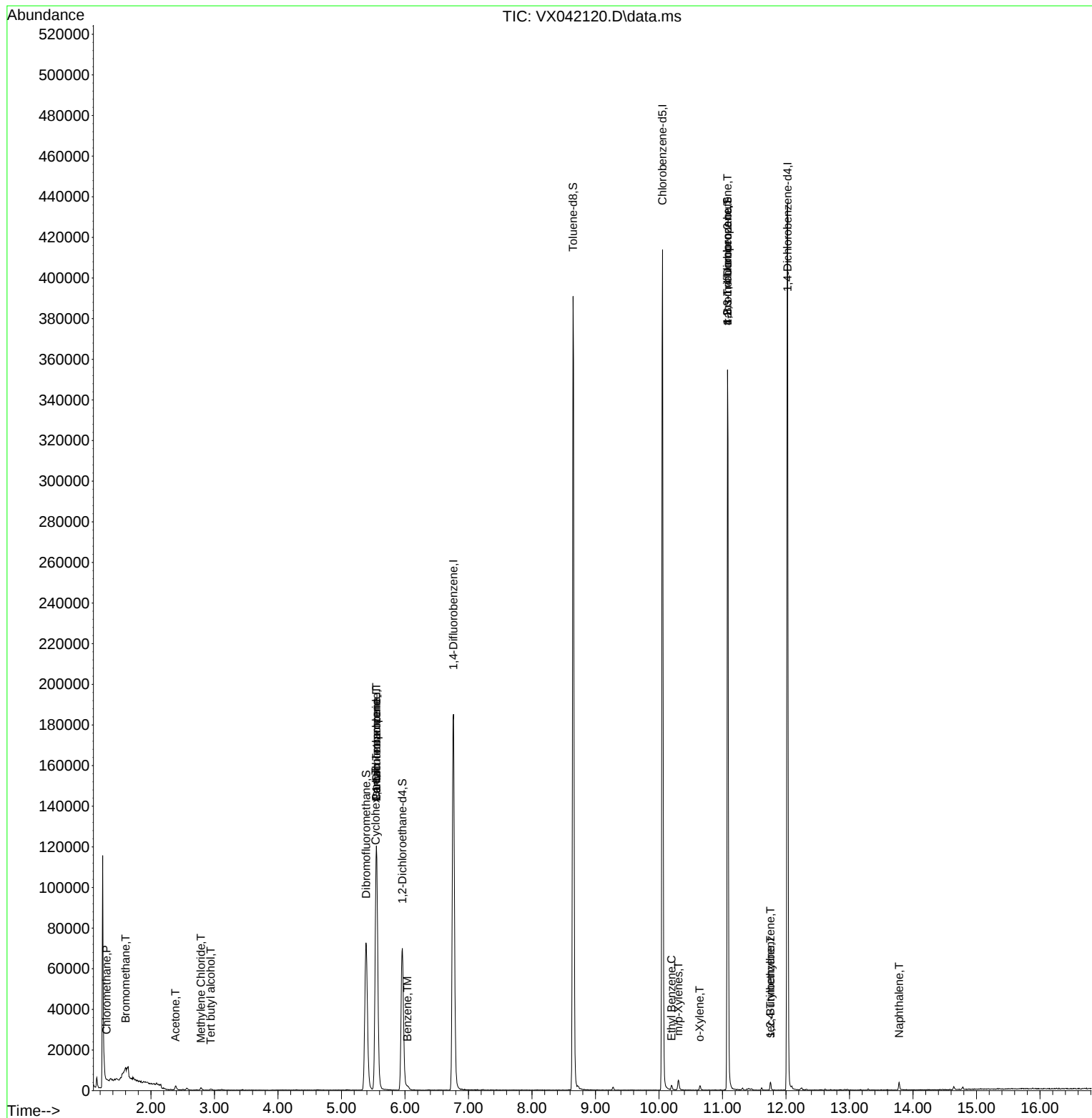
Internal Standards						
1) Pentafluorobenzene	5.550	168	136390	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	210336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67928	43.191	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	86.380%	
35) Dibromofluoromethane	5.385	113	65981	44.210	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	88.420%	
50) Toluene-d8	8.647	98	243659	46.473	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	92.940%	
62) 4-Bromofluorobenzene	11.079	95	94085	48.680	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	97.360%	
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	311	0.239	ug/l	# 43
5) Bromomethane	1.599	94	167	0.259	ug/l	# 79
6) Chloroethane	1.654	64	1040	Below Cal		# 60
11) Tert butyl alcohol	2.941	59	353	1.183	ug/l	# 78
16) Acetone	2.386	43	2403	3.480	ug/l	98
20) Methylene Chloride	2.788	84	645	0.427	ug/l	# 89
31) Cyclohexane	5.538	56	1852	1.007	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7846	4.951	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	11425	6.525	ug/l	# 16
40) Benzene	6.038	78	2291	0.429	ug/l	93
67) Ethyl Benzene	10.195	91	1725	0.254	ug/l	# 78
68) m/p-Xylenes	10.305	106	1460	0.533	ug/l	91
69) o-Xylene	10.640	106	685	0.253	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	41907	21.395	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	41907	60.759	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2236	0.408	ug/l	93
85) sec-Butylbenzene	11.756	105	2236	0.330	ug/l	# 57
95) Naphthalene	13.780	128	3249	1.162	ug/l	# 95

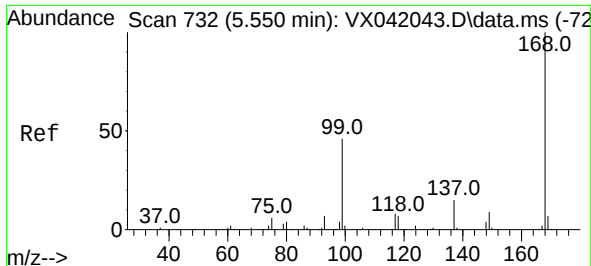
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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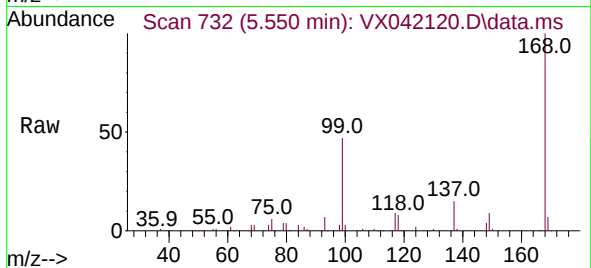
Quant Time: Jul 02 02:09:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
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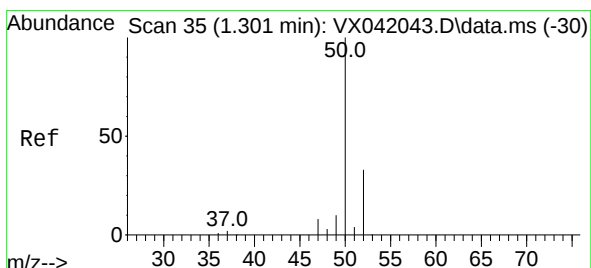
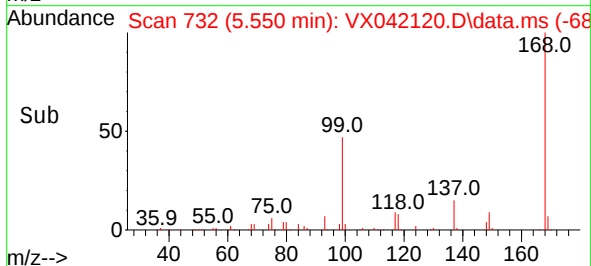
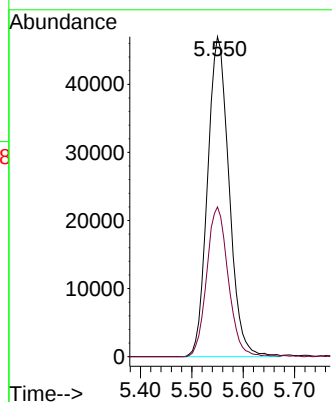


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

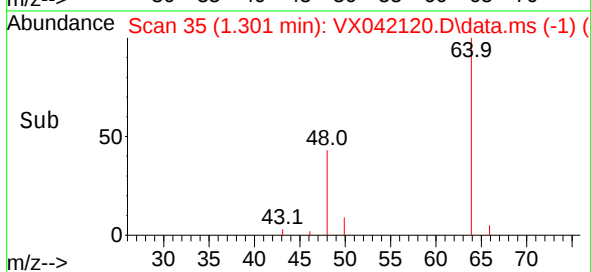
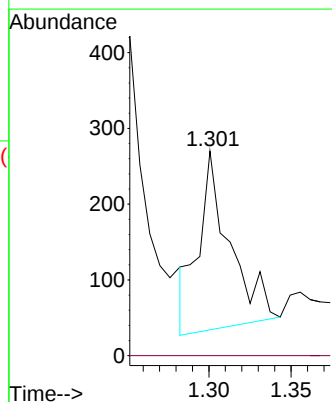
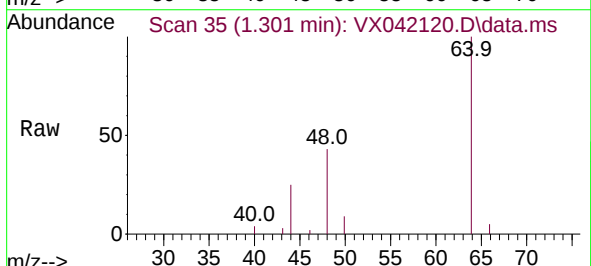


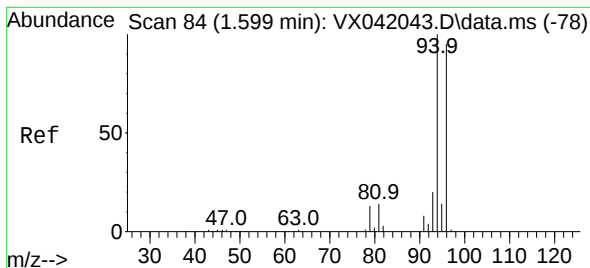
Tgt Ion:168 Resp: 136390
Ion Ratio Lower Upper
168 100
99 46.8 56.6 85.0#



#3
Chloromethane
Concen: 0.239 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#5

Bromomethane

Concen: 0.259 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

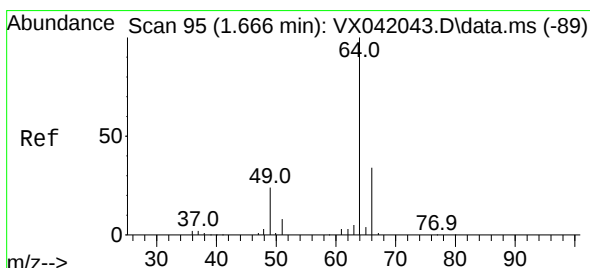
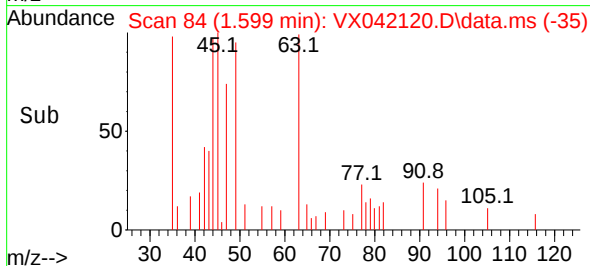
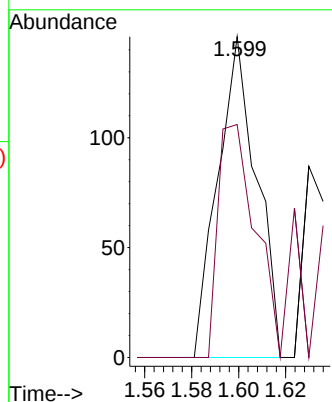
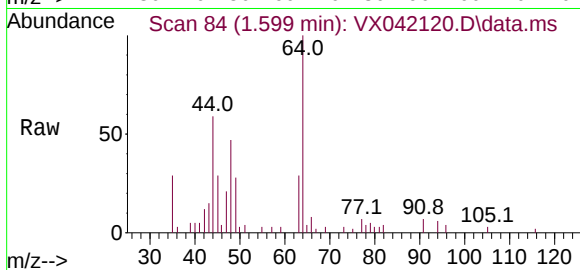
ClientSampleId :

Tgt Ion: 94 Resp: 167

Ion Ratio Lower Upper

94 100

96 72.6 74.6 111.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.654 min Scan# 93

Delta R.T. -0.006 min

Lab File: VX042120.D

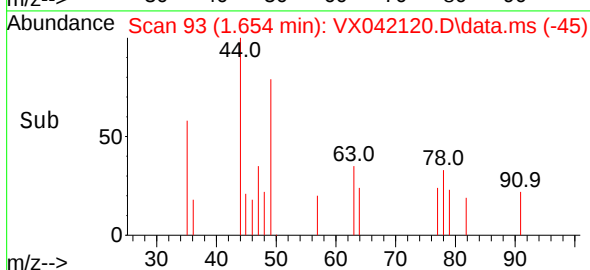
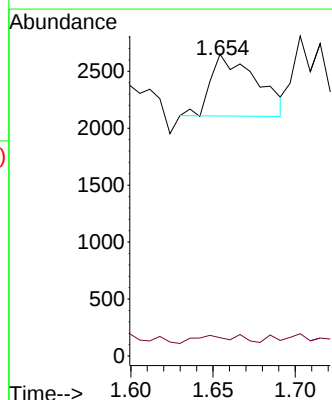
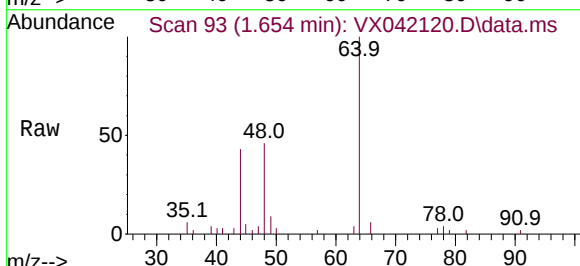
Acq: 01 Jul 2024 17:29

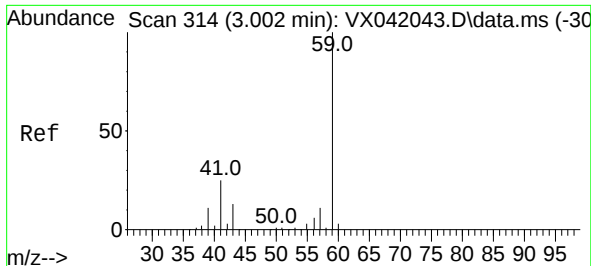
Tgt Ion: 64 Resp: 1040

Ion Ratio Lower Upper

64 100

66 9.4 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.183 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.067 min

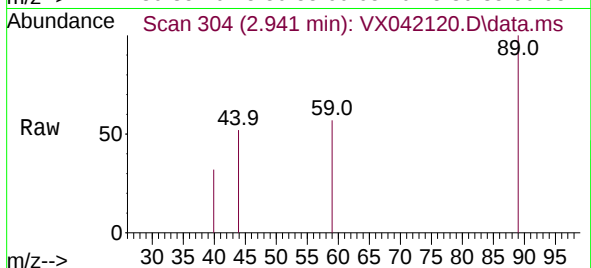
Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

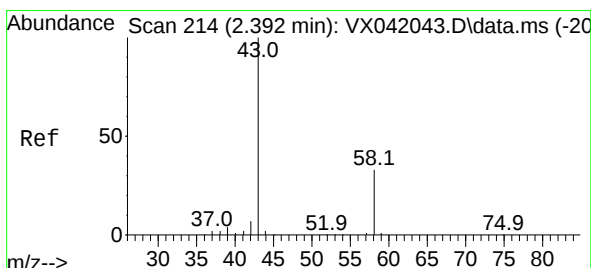
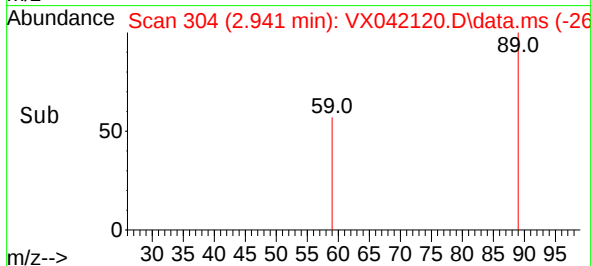
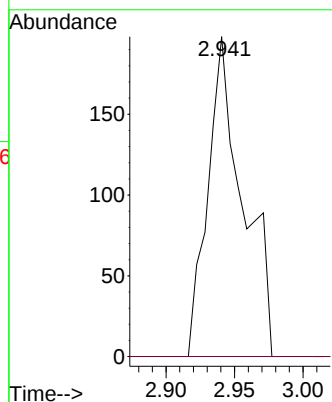


Tgt Ion: 59 Resp: 353

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 3.480 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX042120.D

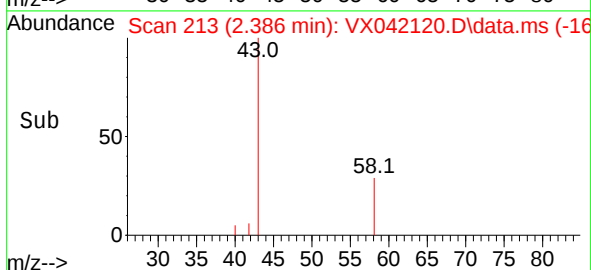
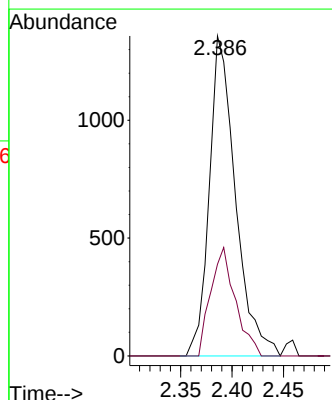
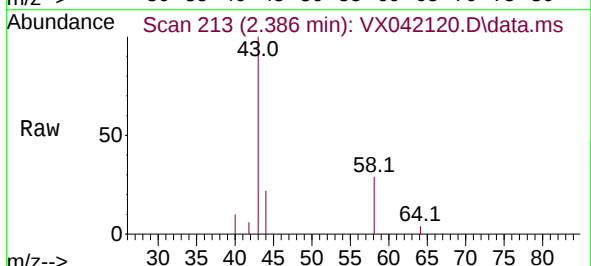
Acq: 01 Jul 2024 17:29

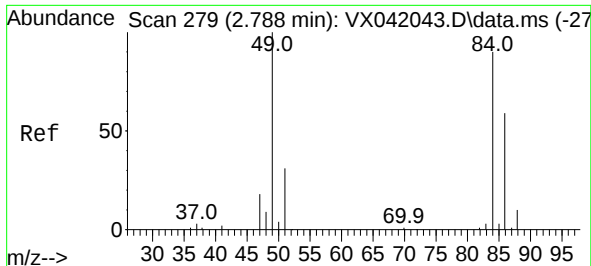
Tgt Ion: 43 Resp: 2403

Ion Ratio Lower Upper

43 100

58 28.6 21.9 32.9





#20

Methylene Chloride

Concen: 0.427 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

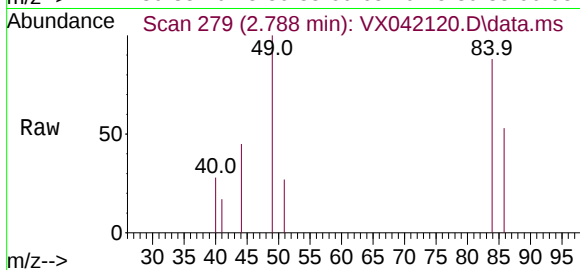
Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 645

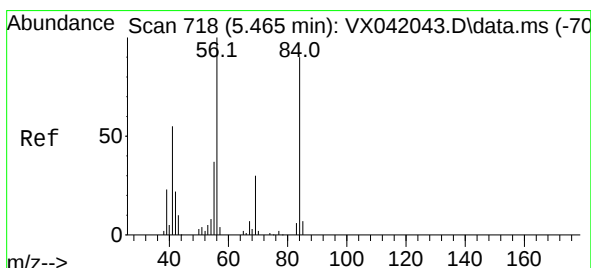
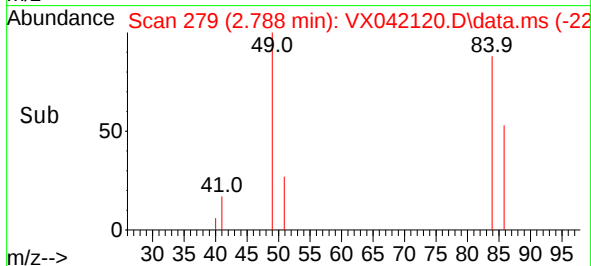
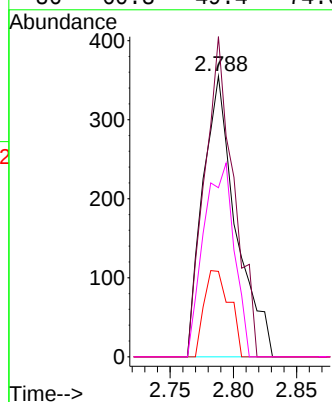
Ion Ratio Lower Upper

84 100

49 114.1 103.6 155.4

51 30.4 33.8 50.6#

86 60.3 49.4 74.0



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

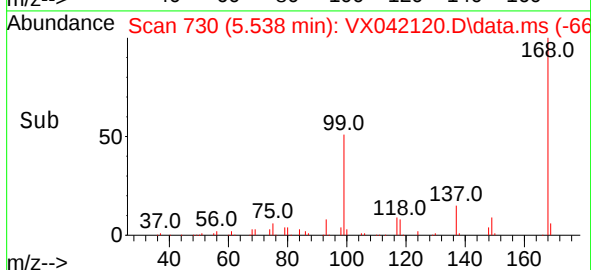
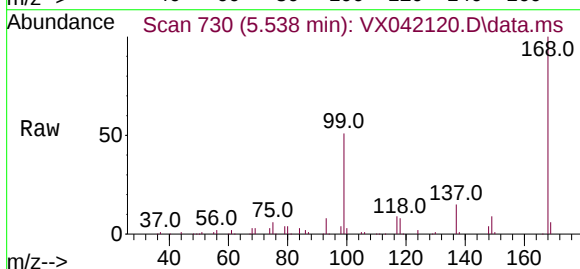
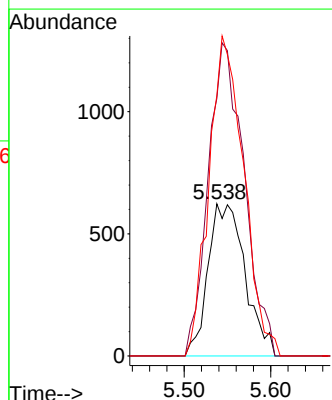
Tgt Ion: 56 Resp: 1852

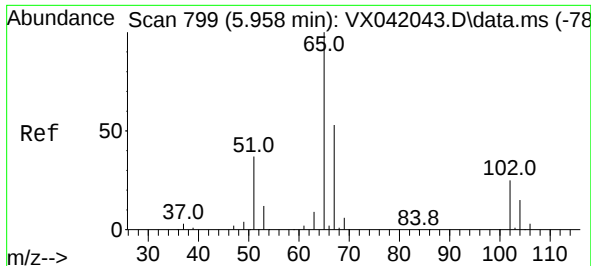
Ion Ratio Lower Upper

56 100

69 169.2 23.4 35.2#

84 171.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.191 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

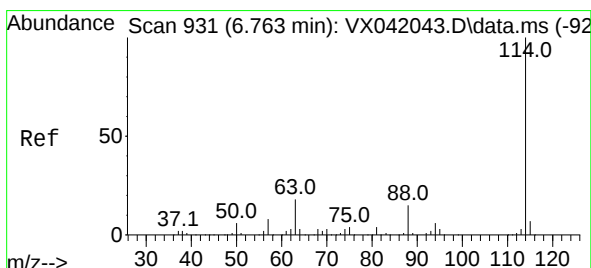
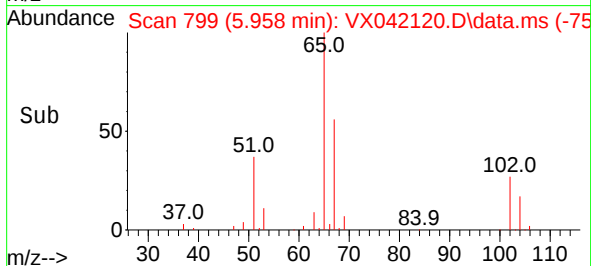
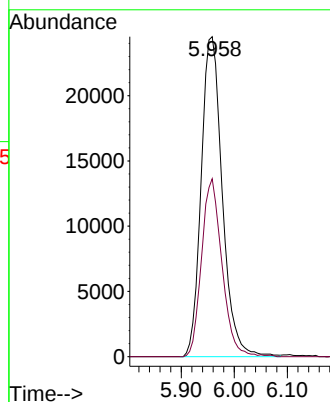
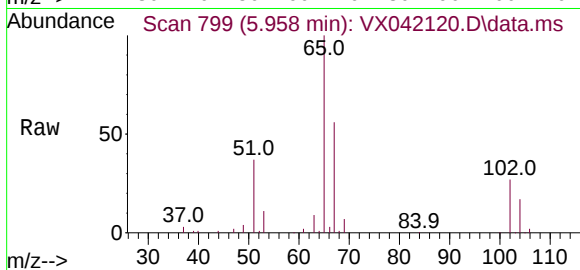
ClientSampleId :

Tgt Ion: 65 Resp: 67928

Ion Ratio Lower Upper

65 100

67 53.7 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: VX042120.D

Acq: 01 Jul 2024 17:29

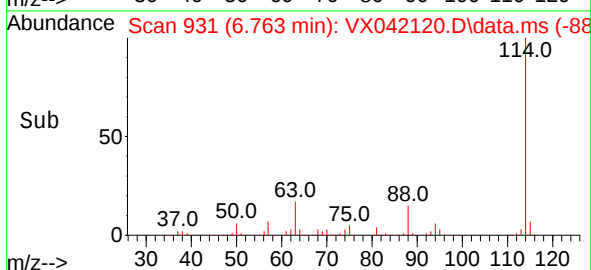
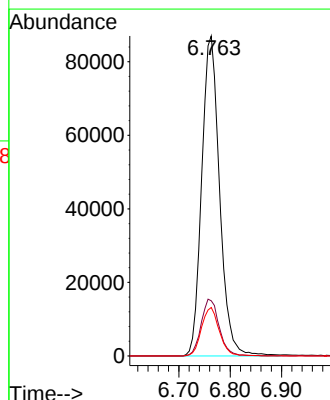
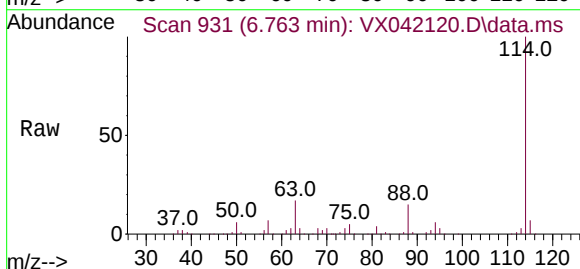
Tgt Ion: 114 Resp: 210336

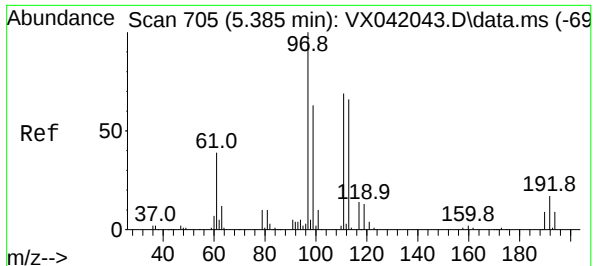
Ion Ratio Lower Upper

114 100

63 17.3 0.0 45.0

88 15.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.210 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

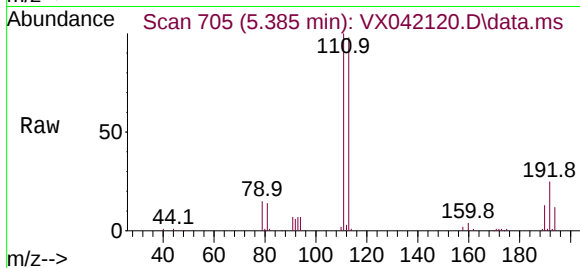
Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

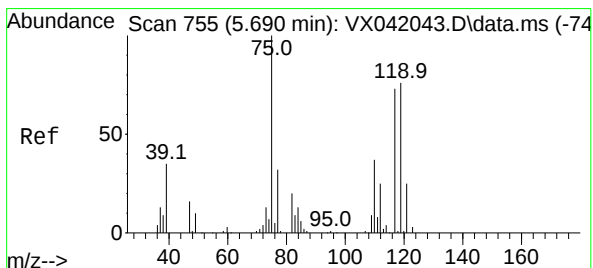
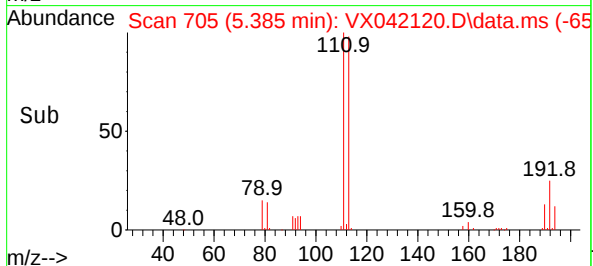
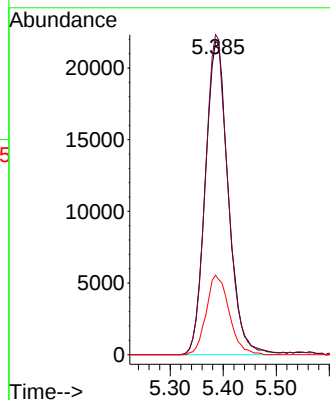
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	65981
Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.9	124.3
192	25.2	13.3	19.9#



#36

1,1-Dichloropropene

Concen: 4.951 ug/l

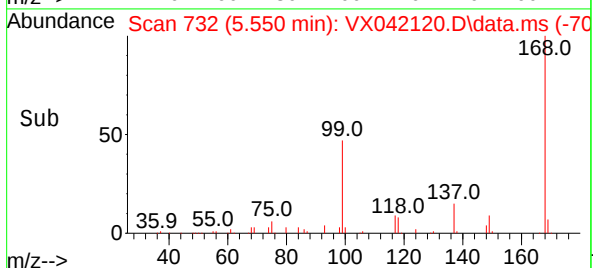
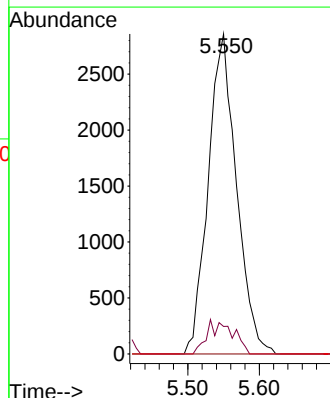
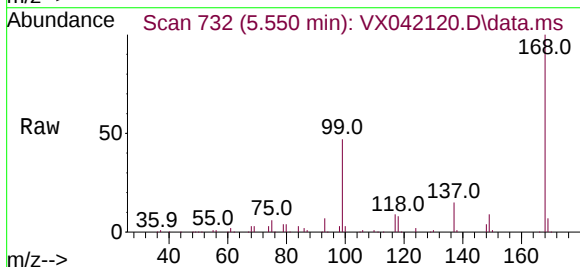
RT: 5.550 min Scan# 732

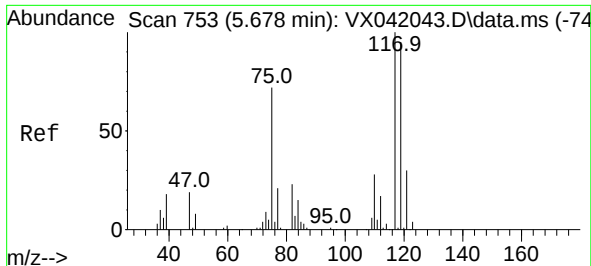
Delta R.T. -0.140 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

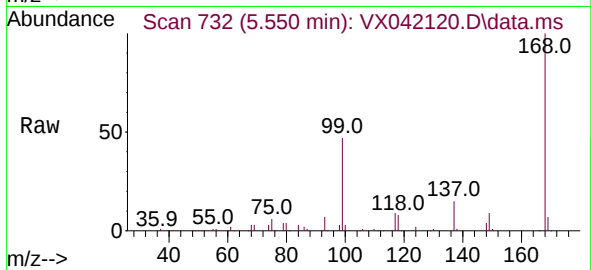
Tgt Ion:	75	Resp:	7846
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.7	37.1#



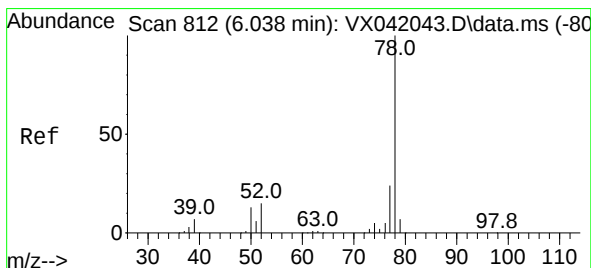
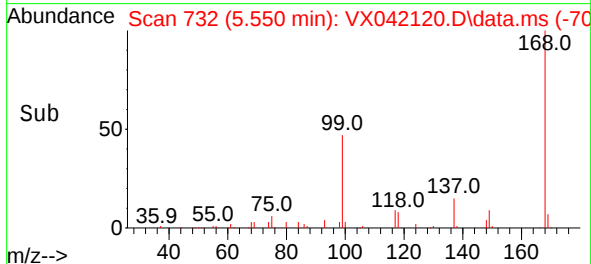
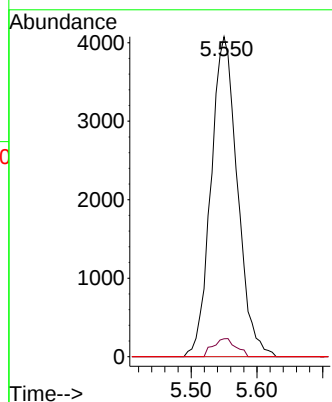


#38
Carbon Tetrachloride
Concen: 6.525 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.128 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

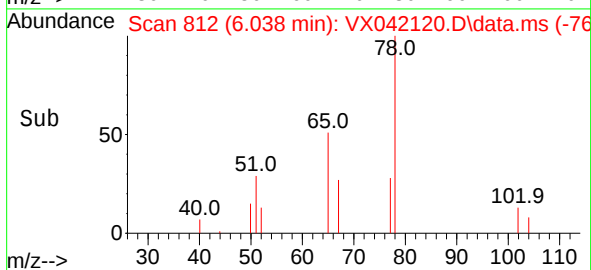
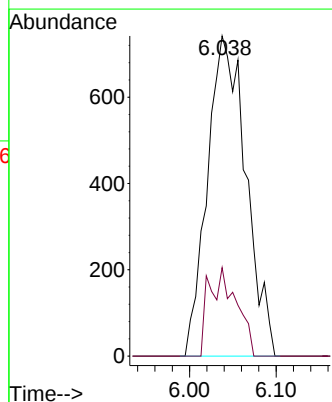
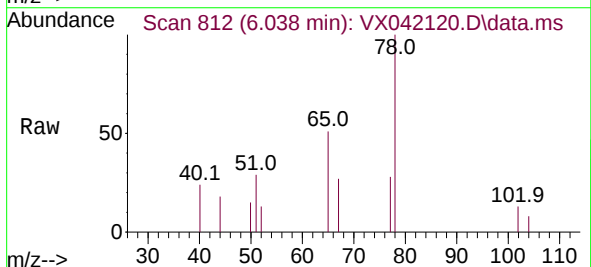


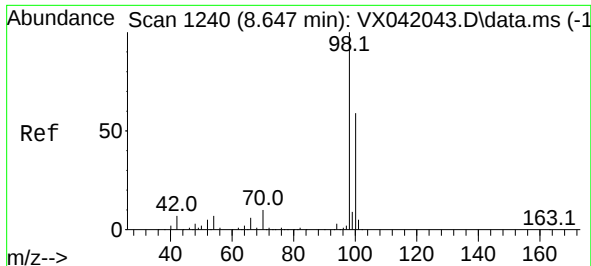
Tgt Ion:117 Resp: 11425
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.429 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 78 Resp: 2291
Ion Ratio Lower Upper
78 100
77 27.6 19.3 28.9

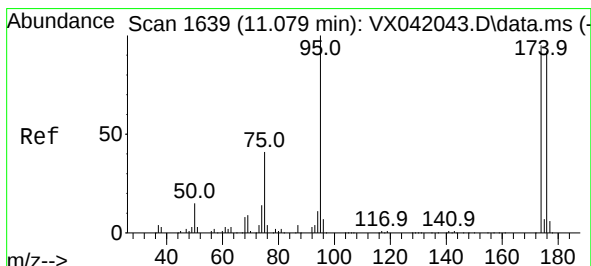
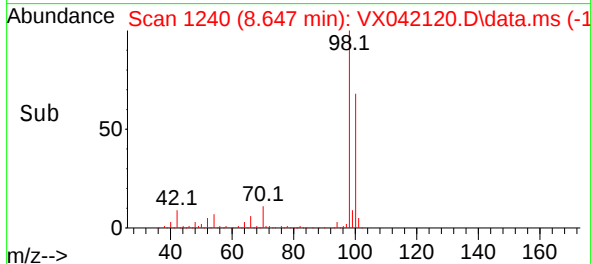
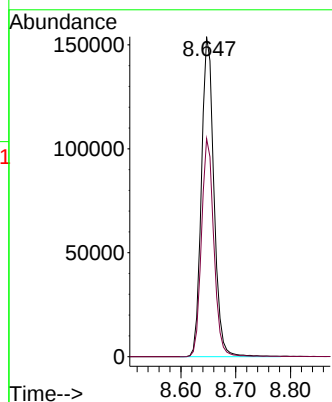
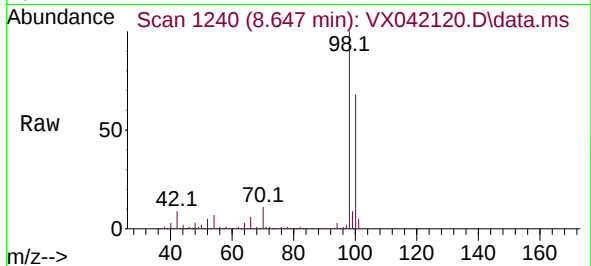




#50
Toluene-d8
Concen: 46.473 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

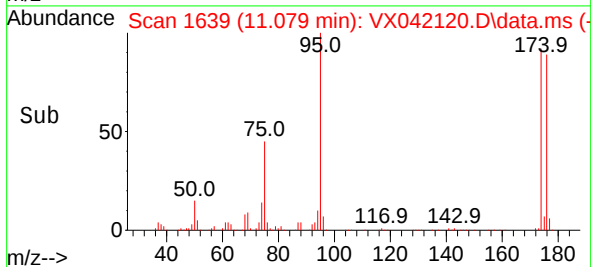
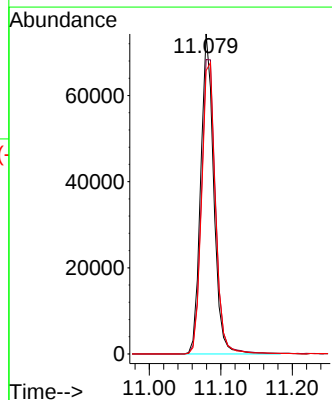
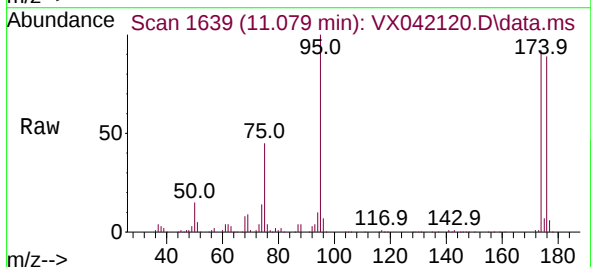
Instrument :
MSVOA_X
ClientSampleId :

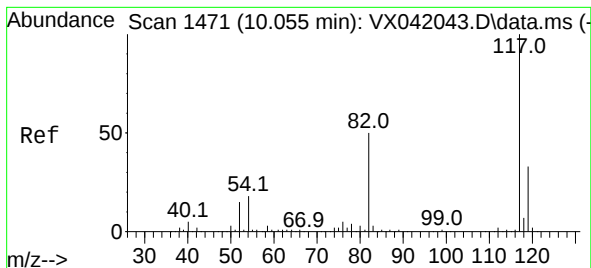
Tgt Ion: 98 Resp: 243659
Ion Ratio Lower Upper
98 100
100 67.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 95 Resp: 94085
Ion Ratio Lower Upper
95 100
174 99.8 0.0 135.6
176 96.4 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: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

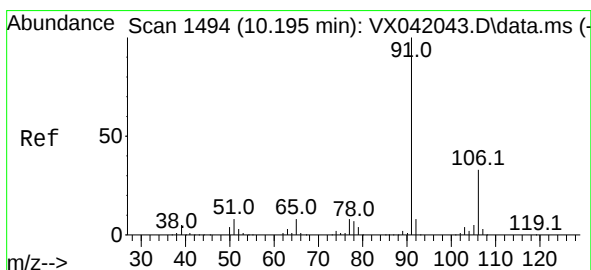
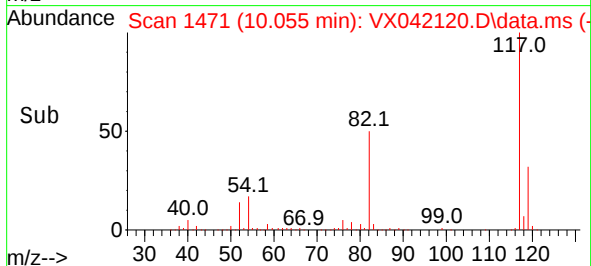
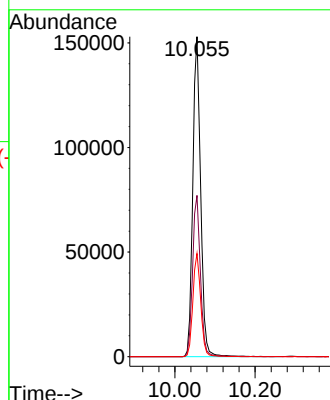
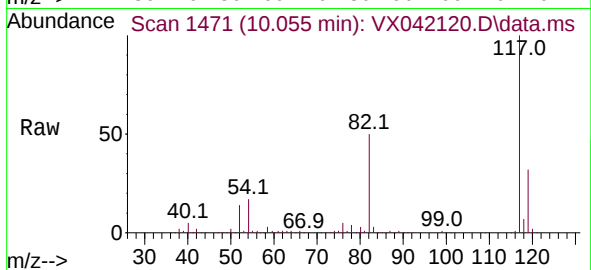
Tgt Ion:117 Resp: 208182

Ion Ratio Lower Upper

117 100

82 50.4 46.2 69.4

119 32.3 25.5 38.3



#67

Ethyl Benzene

Concen: 0.254 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX042120.D

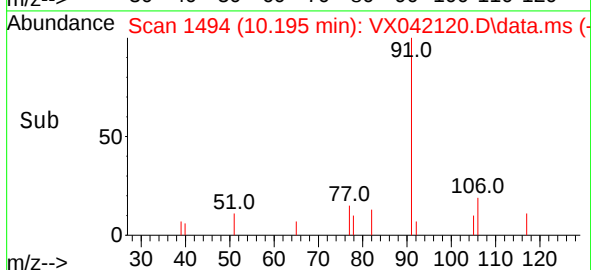
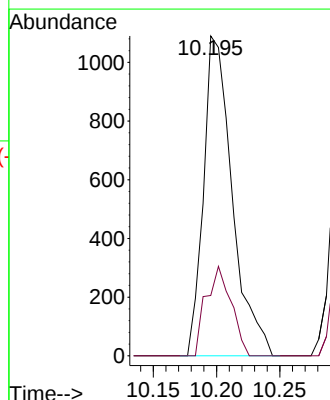
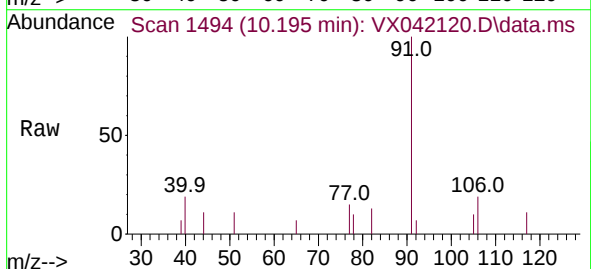
Acq: 01 Jul 2024 17:29

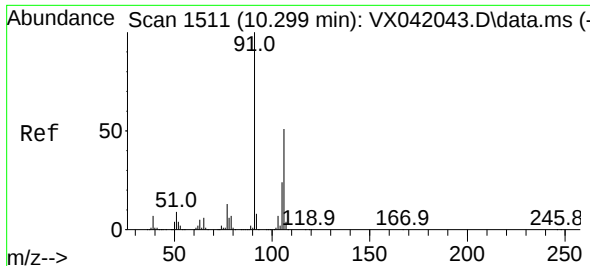
Tgt Ion: 91 Resp: 1725

Ion Ratio Lower Upper

91 100

106 18.9 24.9 37.3#





#68

m/p-Xylenes

Concen: 0.533 ug/l

RT: 10.305 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

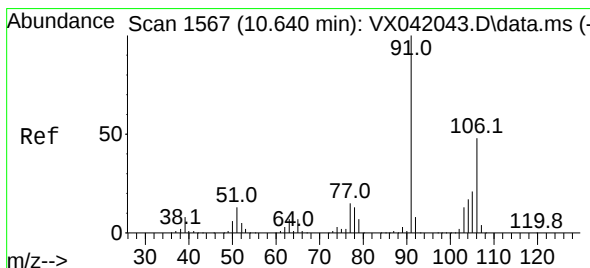
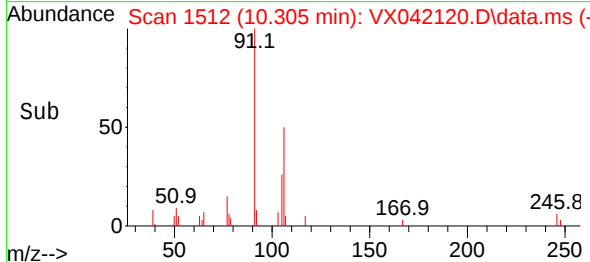
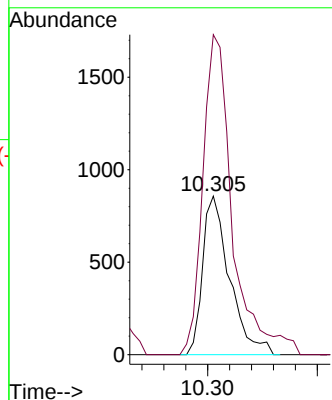
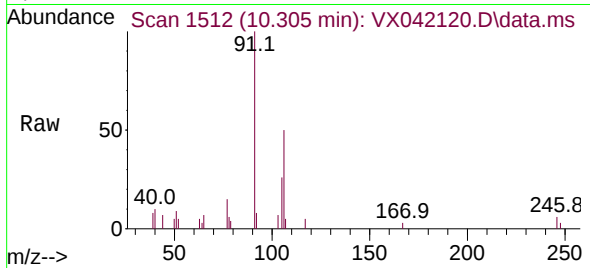
ClientSampleId :

Tgt Ion:106 Resp: 1460

Ion Ratio Lower Upper

106 100

91 221.4 165.5 248.3



#69

o-Xylene

Concen: 0.253 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX042120.D

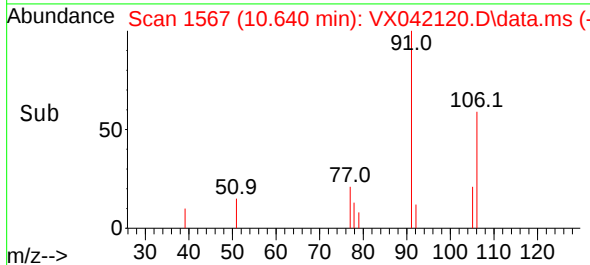
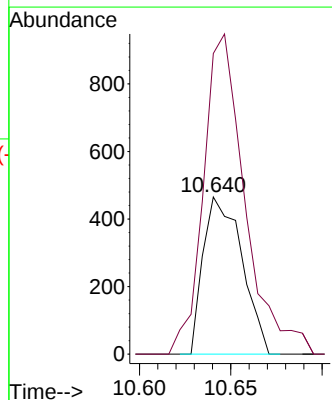
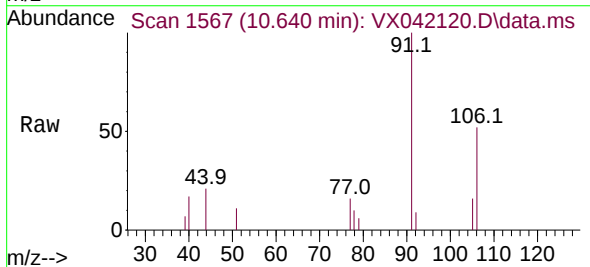
Acq: 01 Jul 2024 17:29

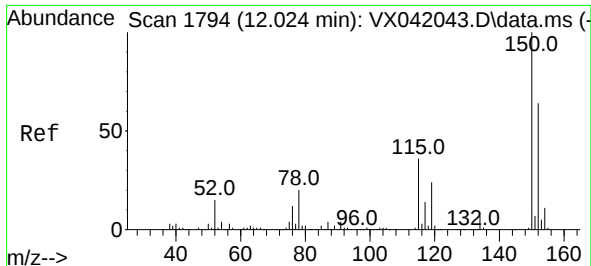
Tgt Ion:106 Resp: 685

Ion Ratio Lower Upper

106 100

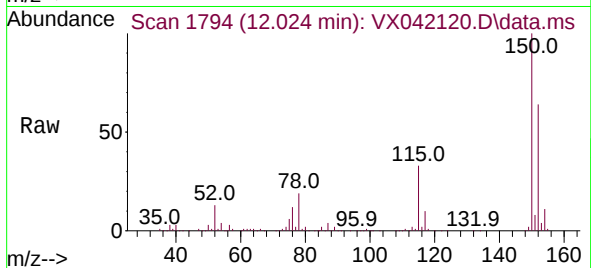
91 219.1 108.9 326.8



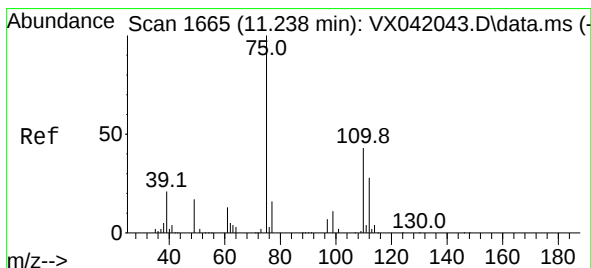
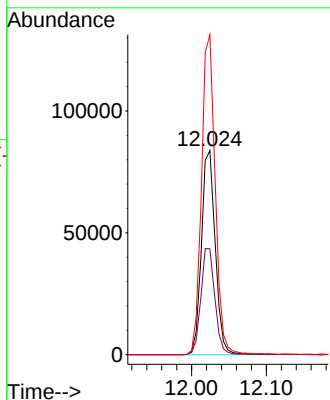
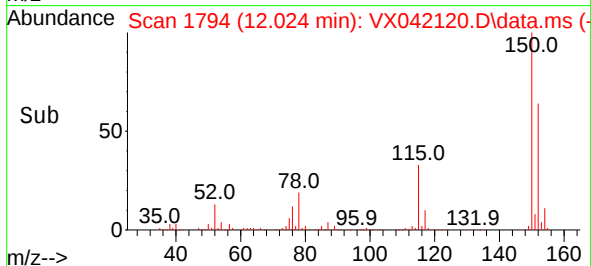


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

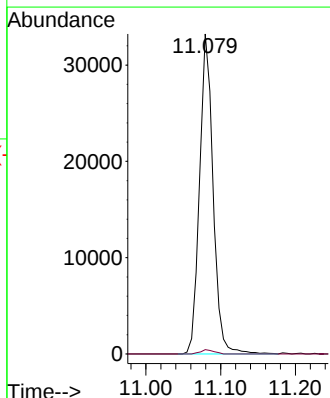
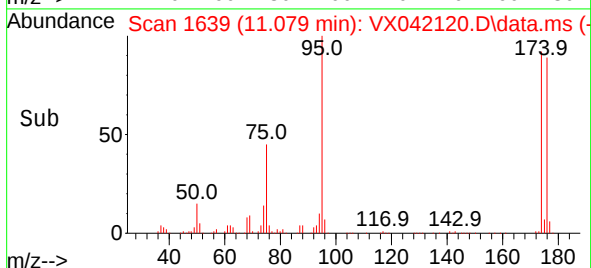
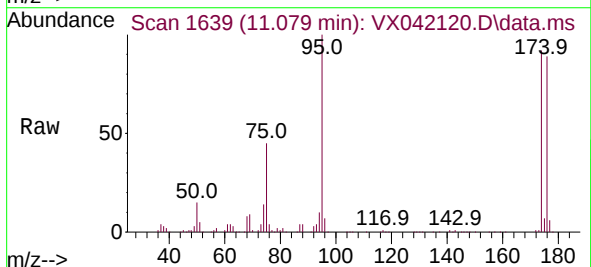


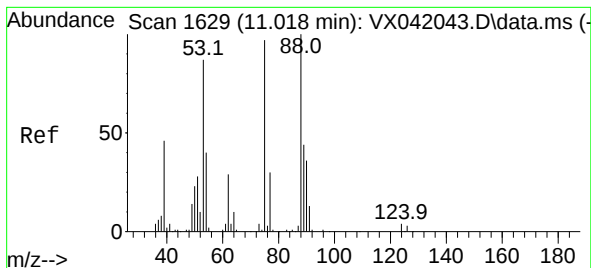
Tgt Ion:152 Resp: 107896
Ion Ratio Lower Upper
152 100
115 52.9 43.3 129.9
150 155.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 21.395 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 75 Resp: 41907
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

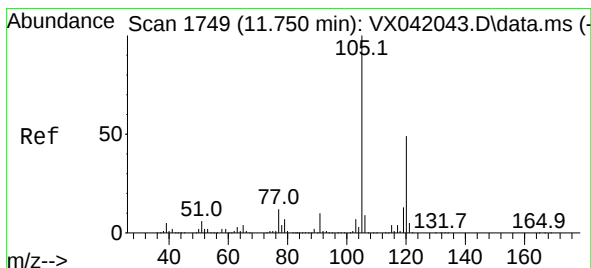
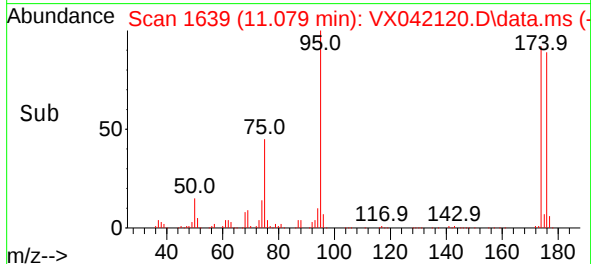
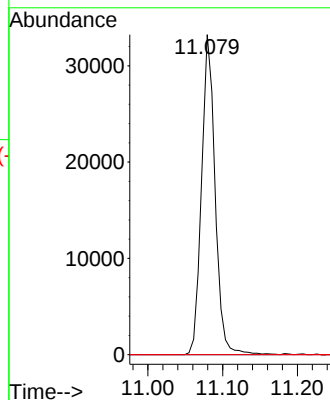
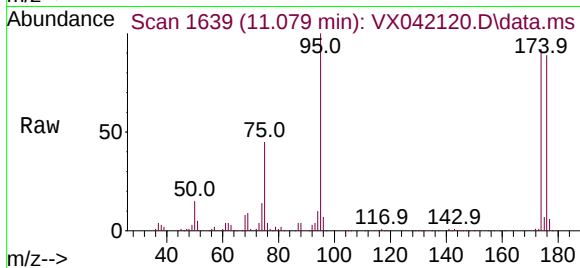




#81
trans-1,4-Dichloro-2-butene
Concen: 60.759 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

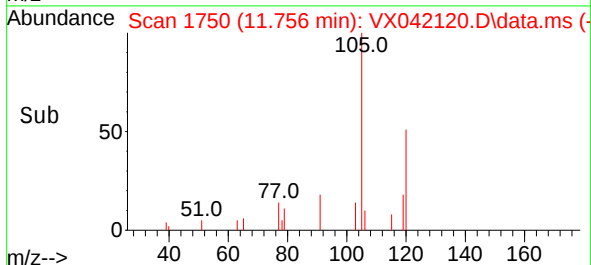
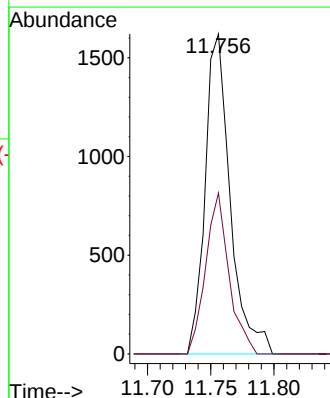
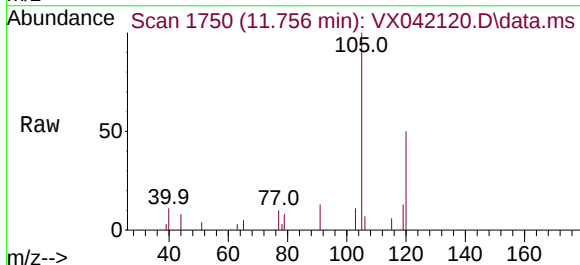
Instrument :
MSVOA_X
ClientSampleId :

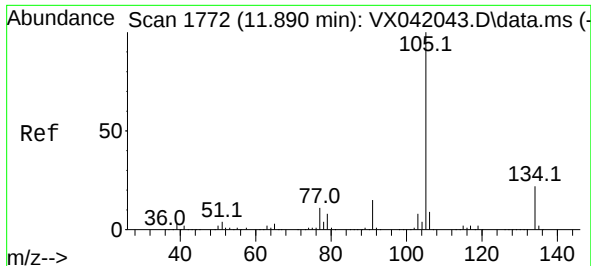
Tgt Ion: 75 Resp: 41907
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.408 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042120.D
Acq: 01 Jul 2024 17:29

Tgt Ion:105 Resp: 2236
Ion Ratio Lower Upper
105 100
120 46.8 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.330 ug/l

RT: 11.756 min Scan# 11

Delta R.T. -0.134 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_X

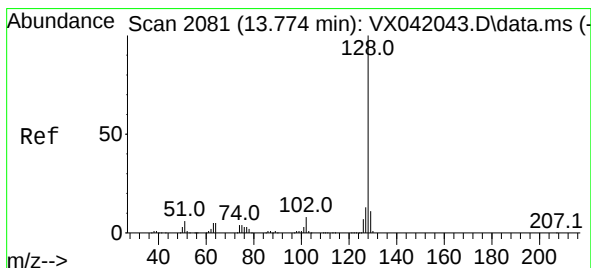
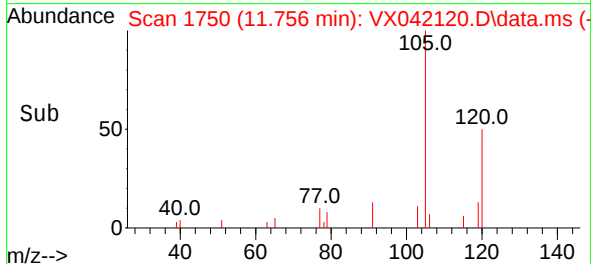
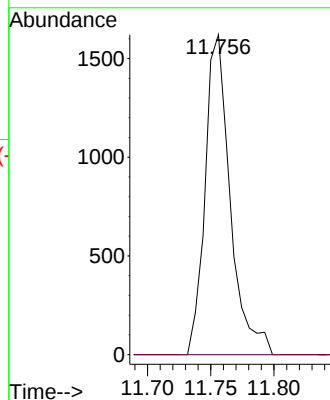
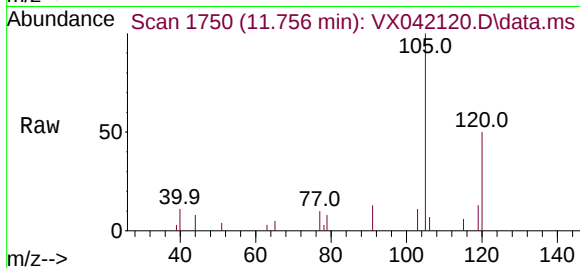
ClientSampleId :

Tgt Ion:105 Resp: 2236

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#



#95

Naphthalene

Concen: 1.162 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042120.D

Acq: 01 Jul 2024 17:29

Tgt Ion:128 Resp: 3249

Ion Ratio Lower Upper

128 100

127 11.4 10.3 15.5

129 8.8 8.8 13.2#

