

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042111.D
 Acq On : 01 Jul 2024 13:58
 Operator : JC/MD
 Sample : P3123-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 02 02:05:02 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)

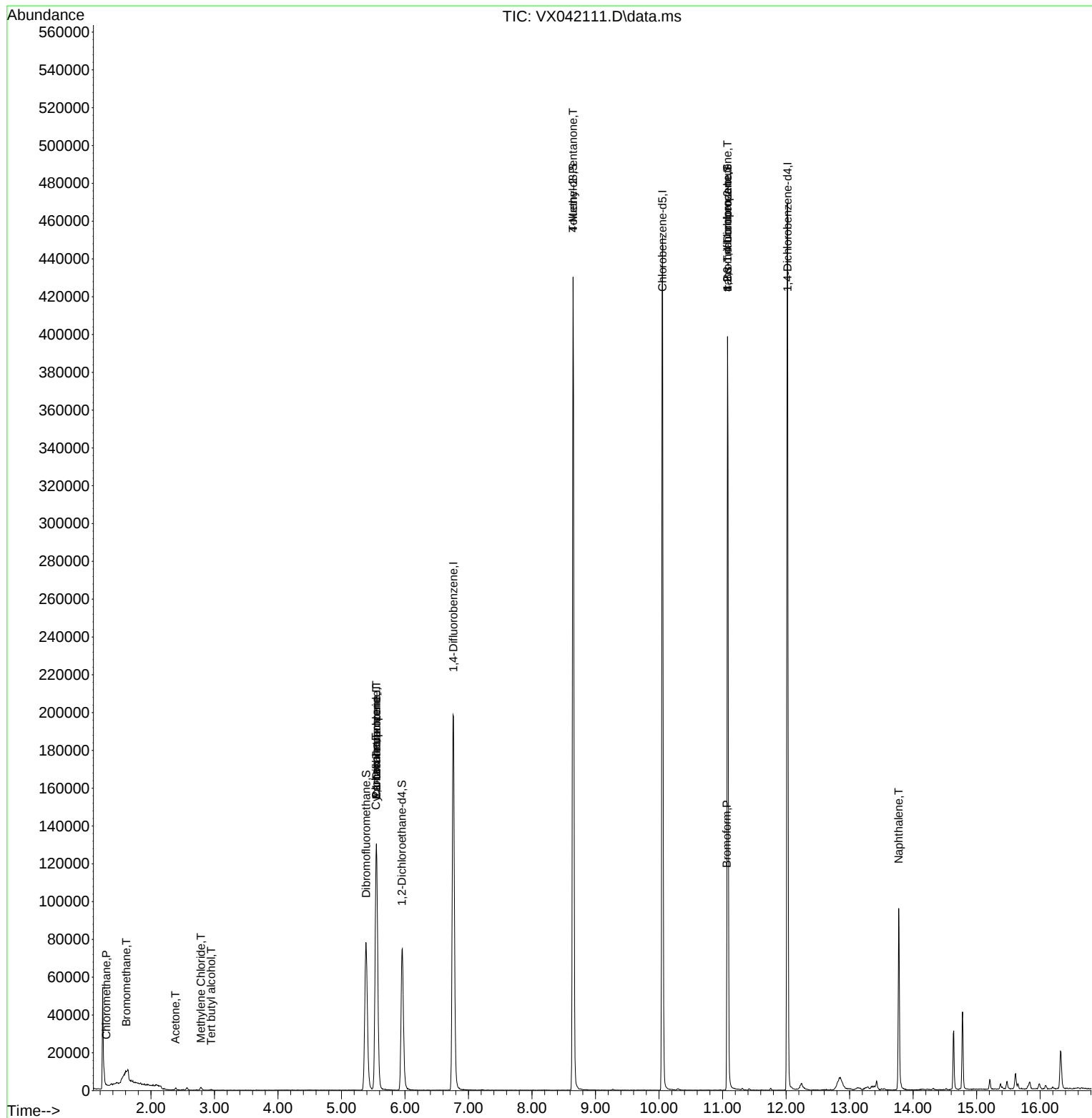
Internal Standards						
1) Pentafluorobenzene	5.550	168	147160	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	225858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71601	42.194	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	84.380%	
35) Dibromofluoromethane	5.385	113	69772	43.537	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	87.080%	
50) Toluene-d8	8.647	98	264891	47.050	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	94.100%	
62) 4-Bromofluorobenzene	11.079	95	105222	50.701	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	101.400%	
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	612	0.435	ug/l	94
5) Bromomethane	1.612	94	305	0.438	ug/l #	52
6) Chloroethane	1.654	64	715	Below Cal	#	56
11) Tert butyl alcohol	2.947	59	264	0.820	ug/l #	78
16) Acetone	2.386	43	1272	1.707	ug/l	96
20) Methylene Chloride	2.788	84	904	0.554	ug/l #	81
31) Cyclohexane	5.544	56	1935	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8210	4.824	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12216	6.497	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1024	0.437	ug/l #	1
71) Bromoform	11.067	173	58	0.912	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	47326	21.986	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47326	62.439	ug/l #	5
95) Naphthalene	13.774	128	69066	8.751	ug/l	100

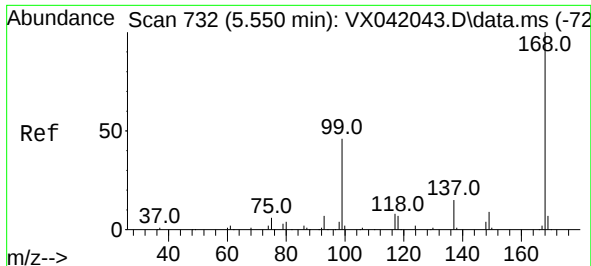
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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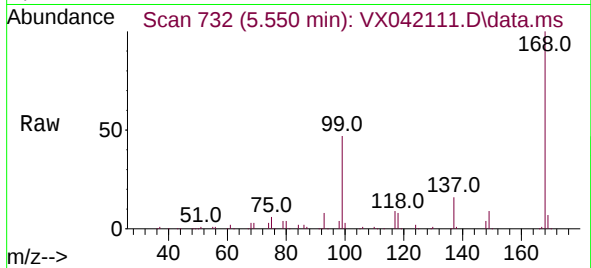
Quant Time: Jul 02 02:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



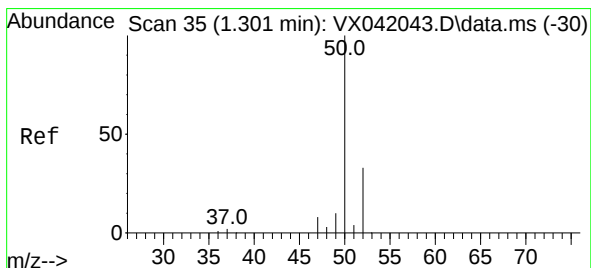
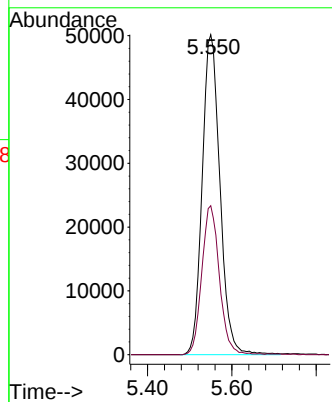
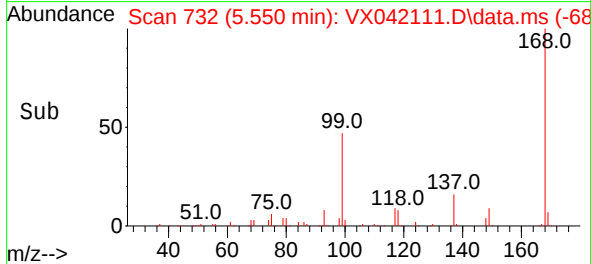


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.000 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58

Instrument :
MSVOA_X
ClientSampleId :

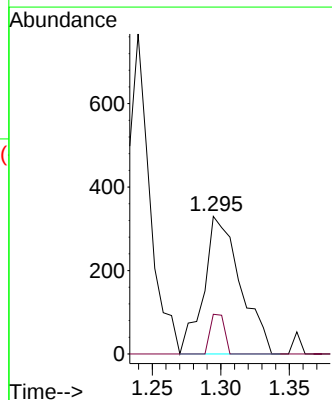
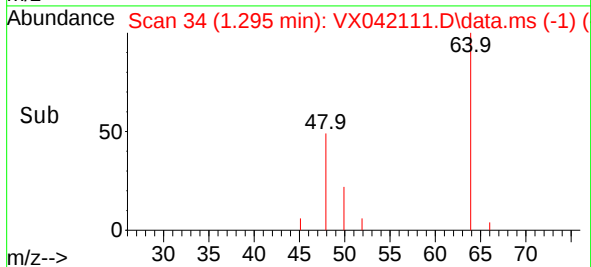
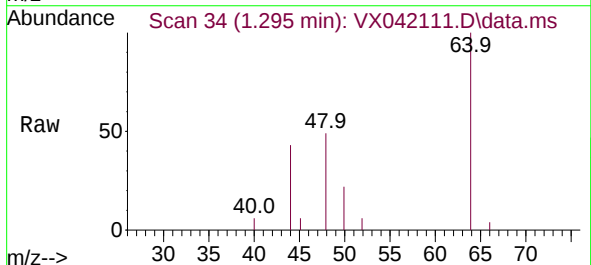


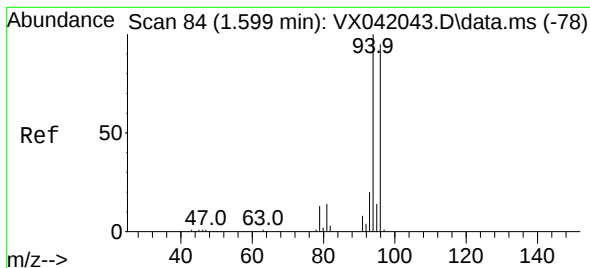
Tgt Ion:168 Resp: 147160
Ion Ratio Lower Upper
168 100
99 46.6 56.6 85.0#



#3
Chloromethane
Concen: 0.435 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58

Tgt Ion: 50 Resp: 612
Ion Ratio Lower Upper
50 100
52 28.8 25.5 38.3





#5

Bromomethane

Concen: 0.438 ug/l

RT: 1.612 min Scan# 80

Delta R.T. 0.013 min

Lab File: VX042111.D

Acq: 01 Jul 2024 13:58

Instrument :

MSVOA_X

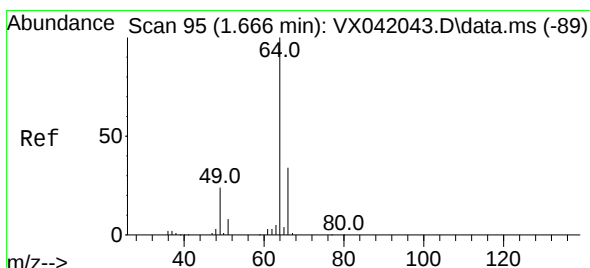
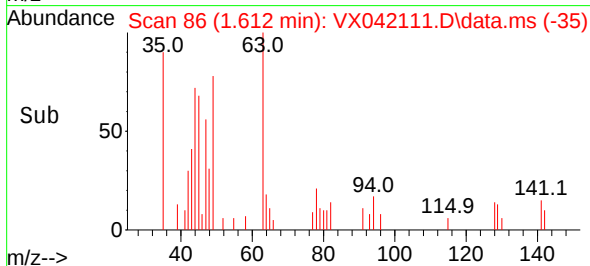
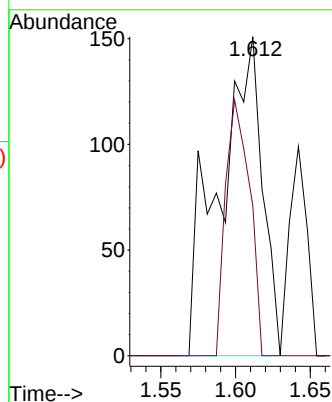
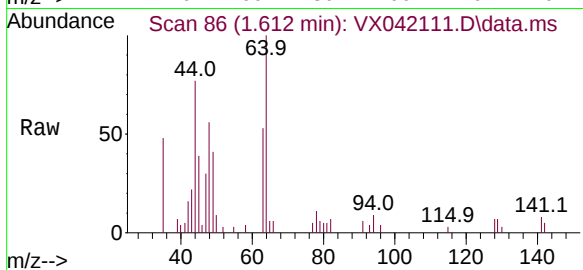
ClientSampleId :

Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

94 100

96 47.0 74.6 111.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.654 min Scan# 93

Delta R.T. -0.006 min

Lab File: VX042111.D

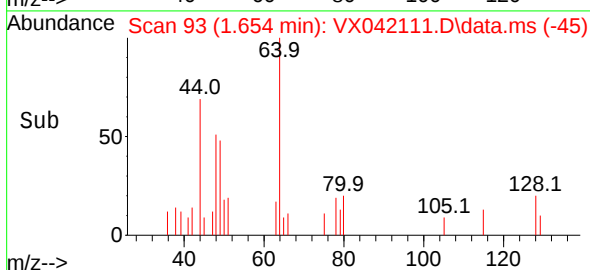
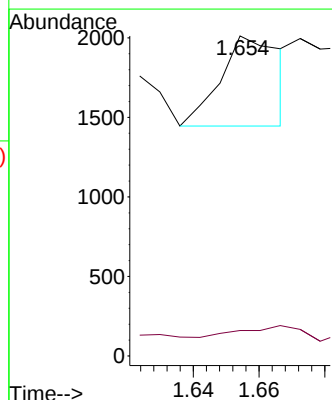
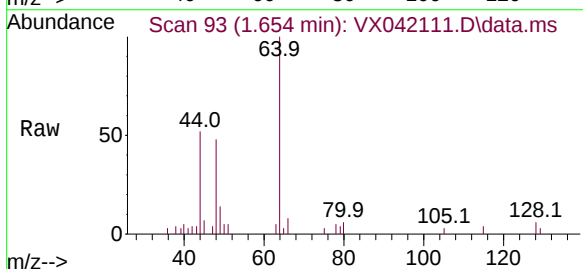
Acq: 01 Jul 2024 13:58

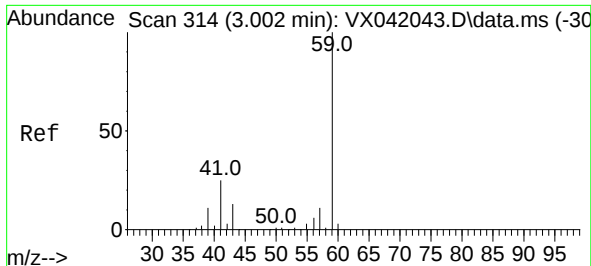
Tgt Ion: 64 Resp: 715

Ion Ratio Lower Upper

64 100

66 7.2 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.820 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.061 min

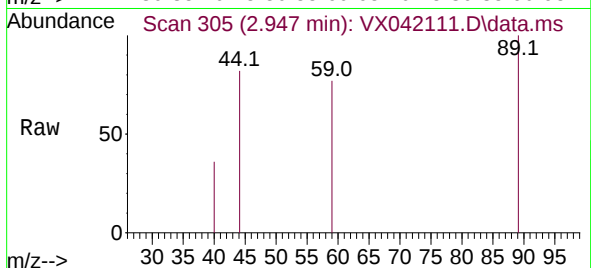
Lab File: VX042111.D

Acq: 01 Jul 2024 13:58

Instrument :

MSVOA_X

ClientSampleId :

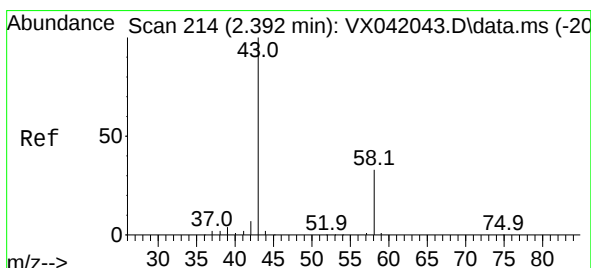
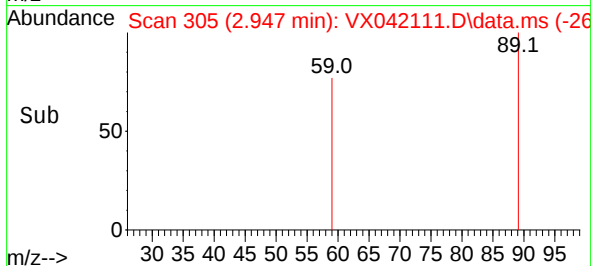
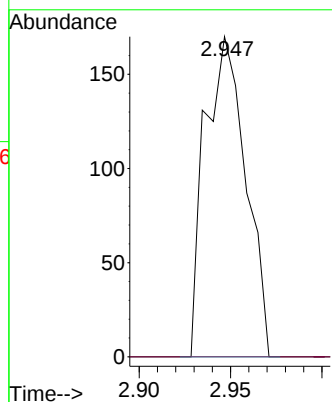


Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 1.707 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX042111.D

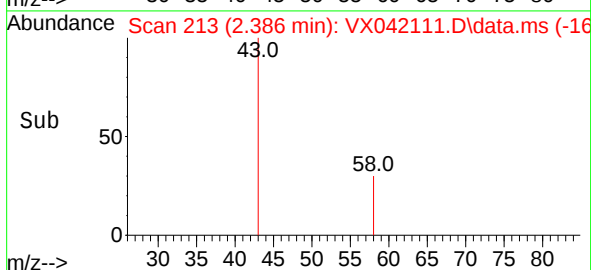
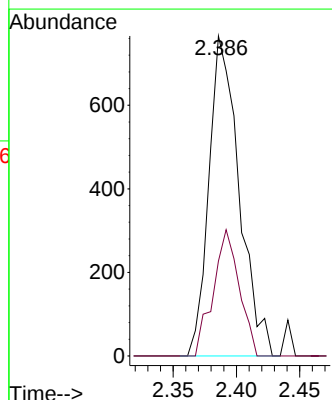
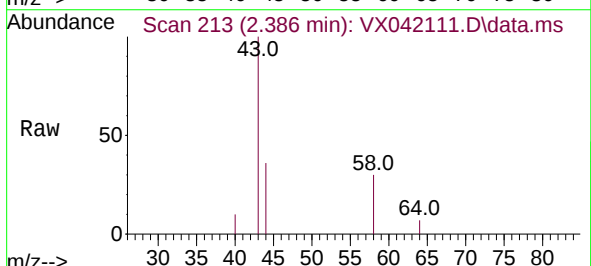
Acq: 01 Jul 2024 13:58

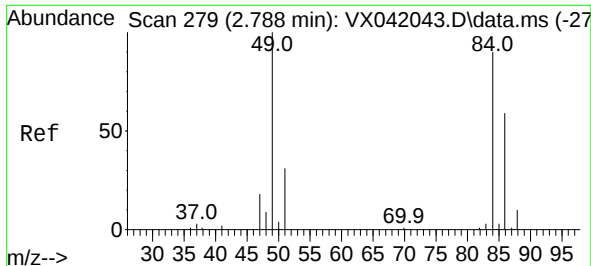
Tgt Ion: 43 Resp: 1272

Ion Ratio Lower Upper

43 100

58 29.6 21.9 32.9





#20

Methylene Chloride

Concen: 0.554 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

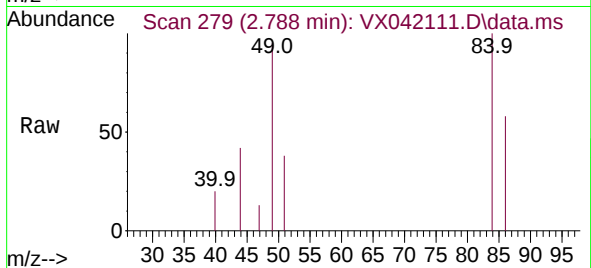
Lab File: VX042111.D

Acq: 01 Jul 2024 13:58

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 904

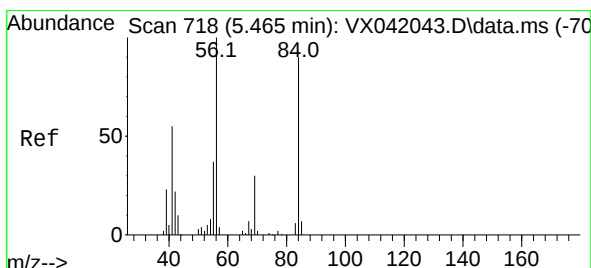
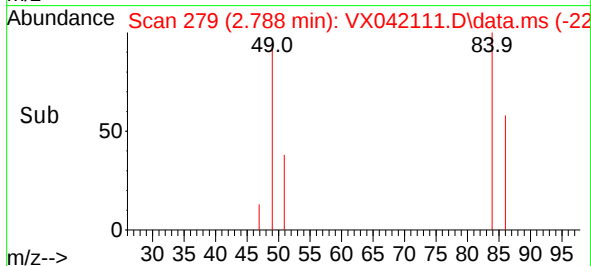
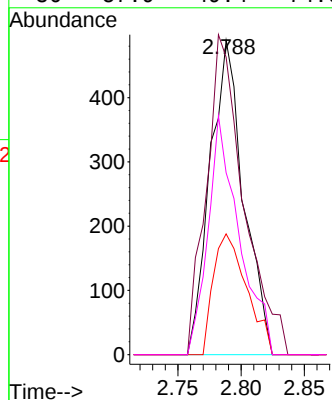
Ion Ratio Lower Upper

84 100

49 94.7 103.6 155.4#

51 38.4 33.8 50.6

86 57.9 49.4 74.0



#31

Cyclohexane

Concen: 0.975 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX042111.D

Acq: 01 Jul 2024 13:58

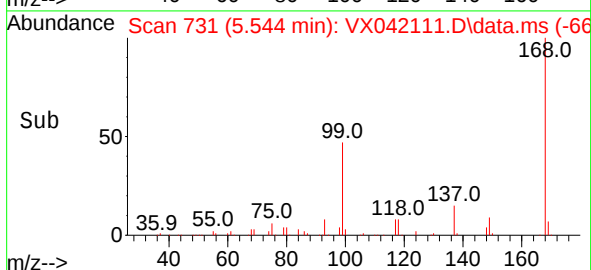
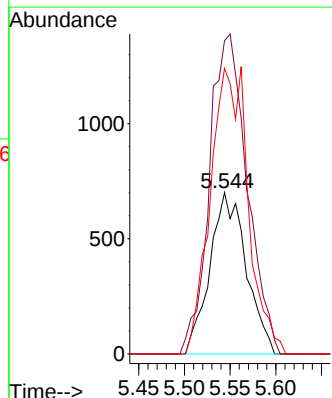
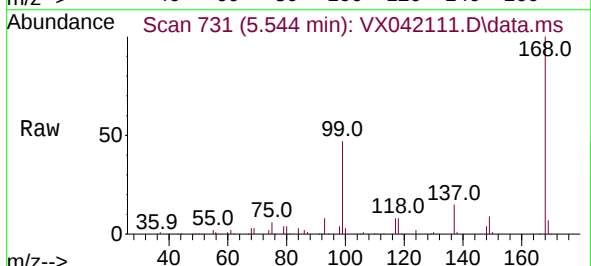
Tgt Ion: 56 Resp: 1935

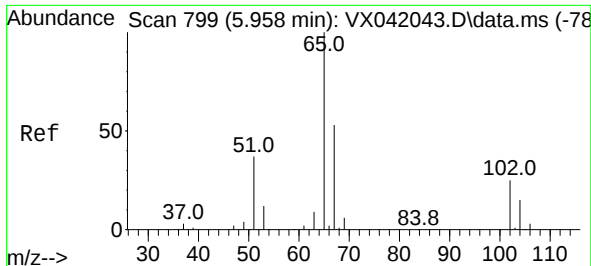
Ion Ratio Lower Upper

56 100

69 194.2 23.4 35.2#

84 176.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.194 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042111.D

Acq: 01 Jul 2024 13:58

Instrument :

MSVOA_X

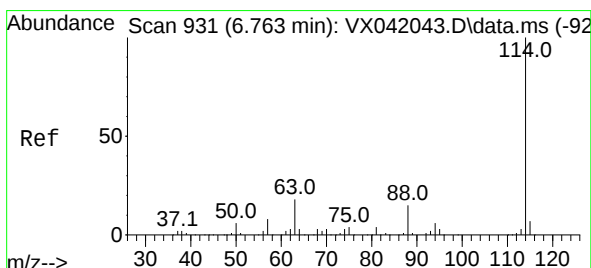
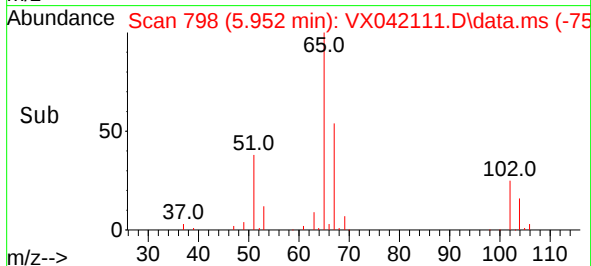
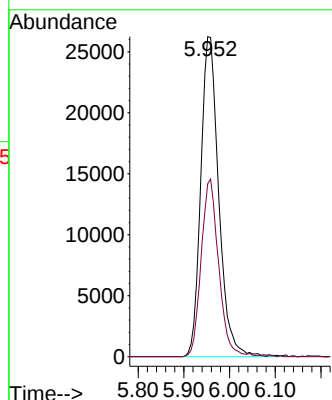
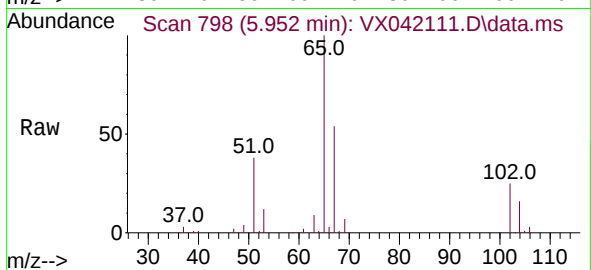
ClientSampleId :

Tgt Ion: 65 Resp: 71601

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: VX042111.D

Acq: 01 Jul 2024 13:58

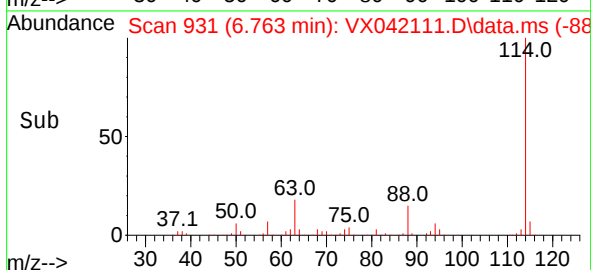
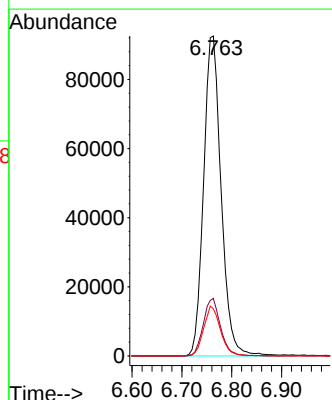
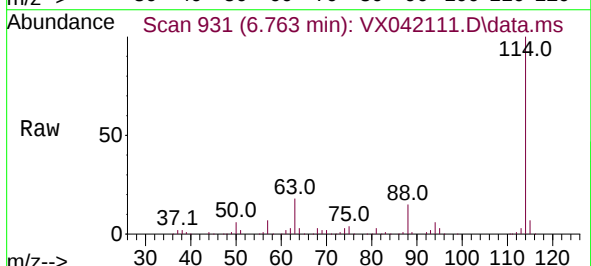
Tgt Ion:114 Resp: 225858

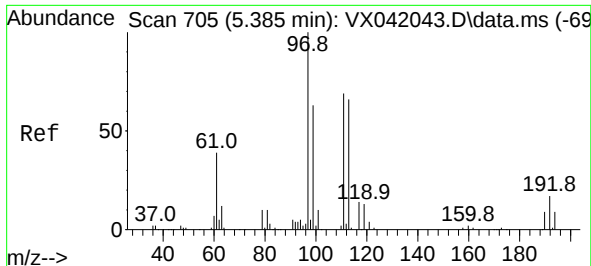
Ion Ratio Lower Upper

114 100

63 18.0 0.0 45.0

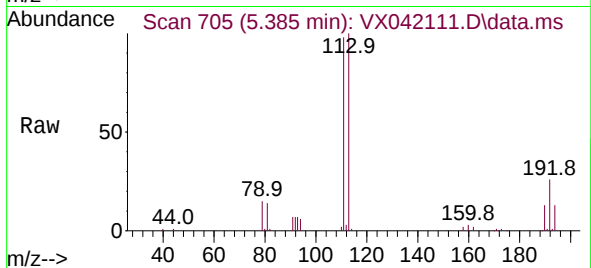
88 14.7 0.0 36.6



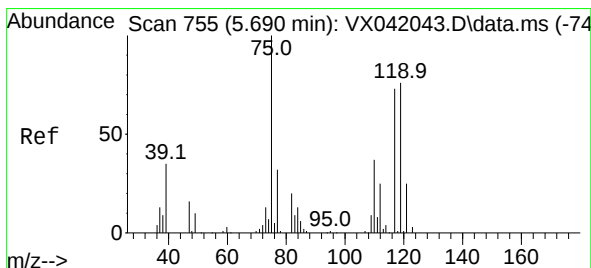
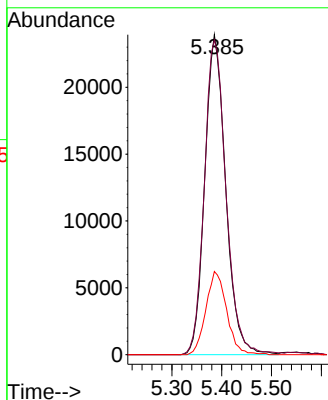
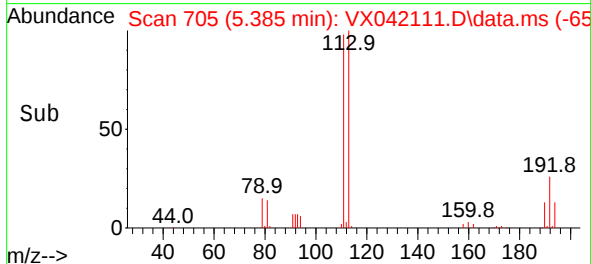


#35
Dibromofluoromethane
Concen: 43.537 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58

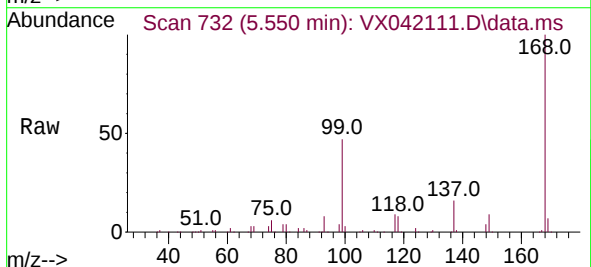
Instrument :
MSVOA_X
ClientSampleId :



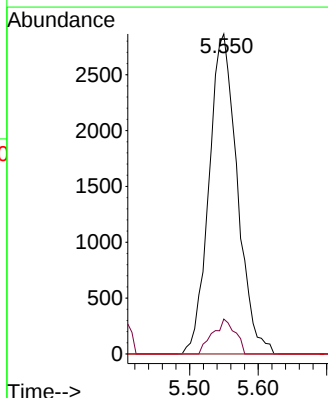
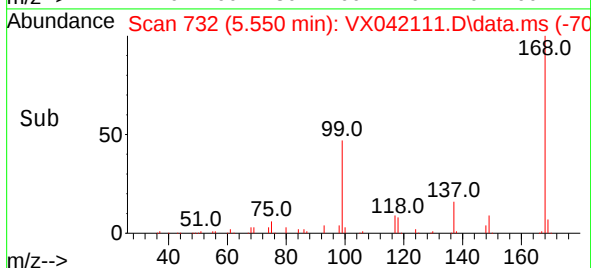
Tgt Ion:113 Resp: 69772
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 25.8 13.3 19.9#

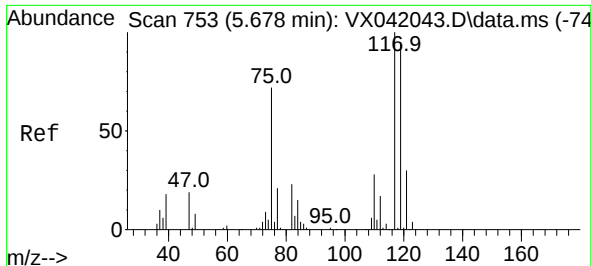


#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58



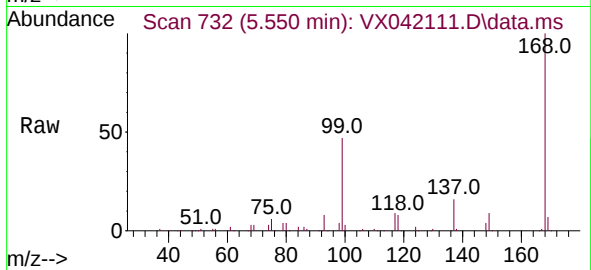
Tgt Ion: 75 Resp: 8210
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#



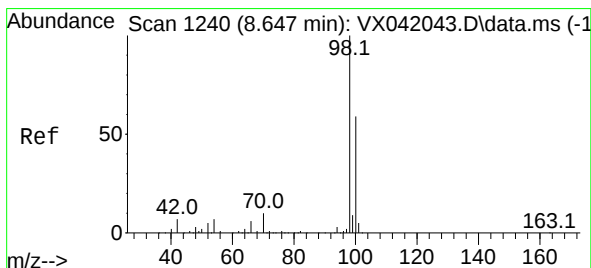
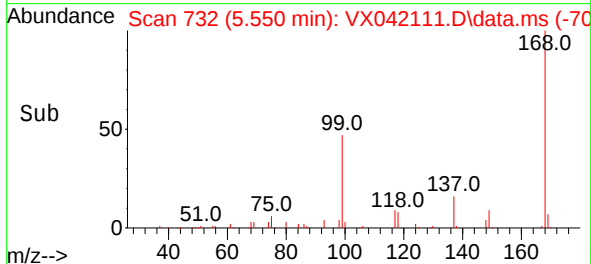
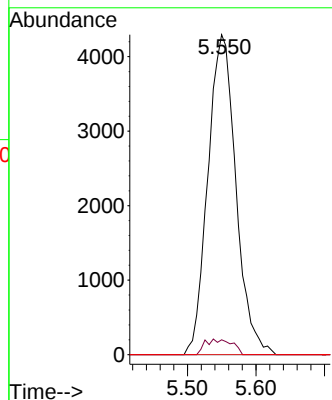


#38
Carbon Tetrachloride
Concen: 6.497 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.128 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58

Instrument :
MSVOA_X
ClientSampleId :

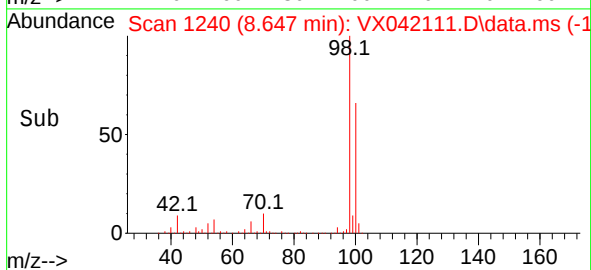
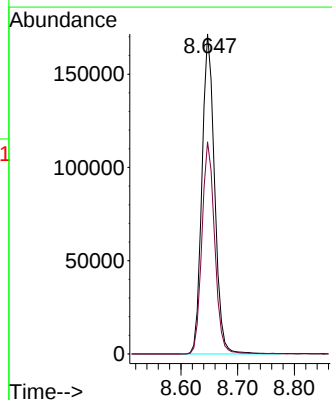
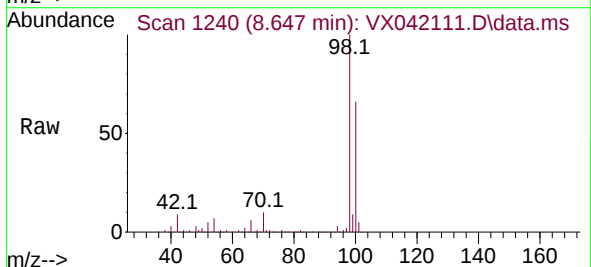


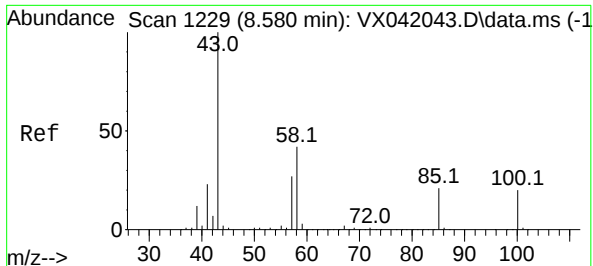
Tgt Ion:117 Resp: 12216
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.050 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58

Tgt Ion: 98 Resp: 264891
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7

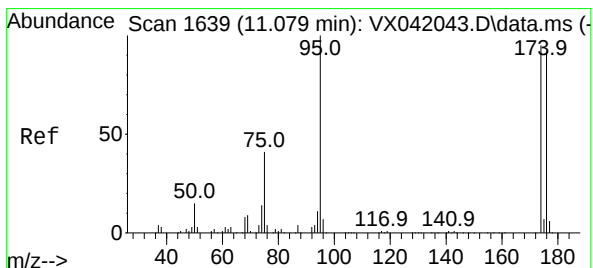
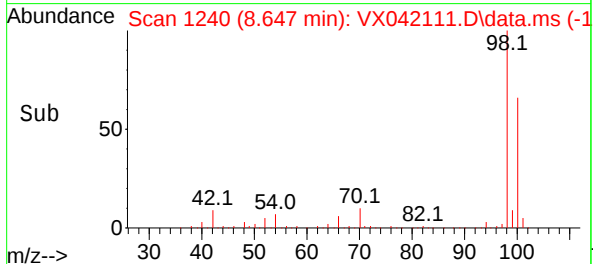
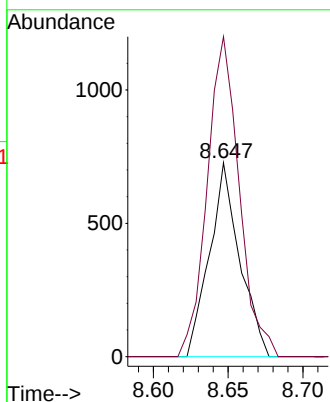
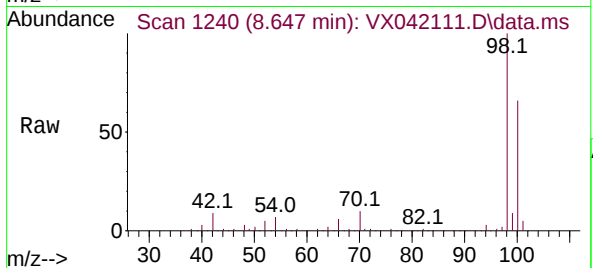




#51
4-Methyl-2-Pentanone
Concen: 0.437 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58

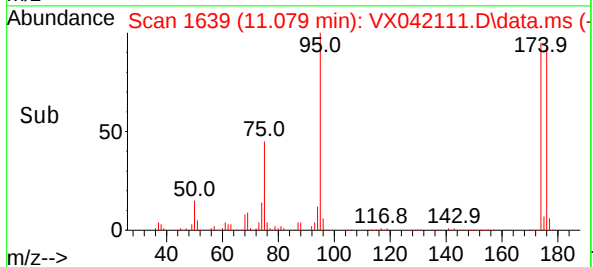
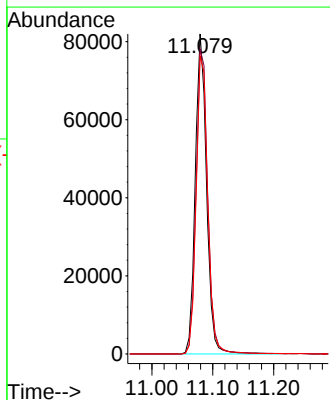
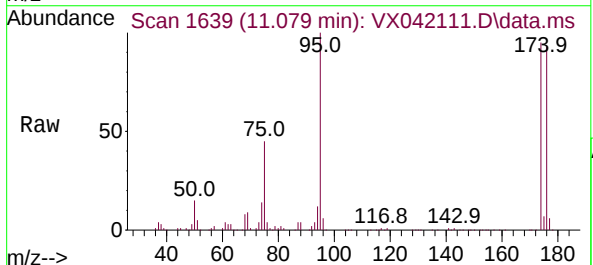
Instrument :
MSVOA_X
ClientSampleId :

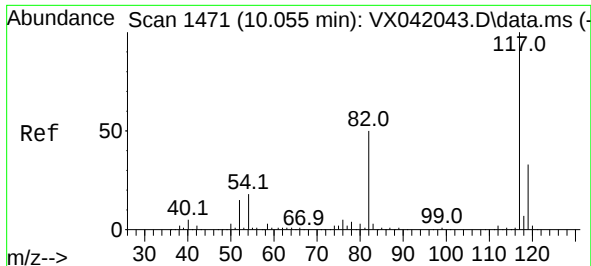
Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
58 174.1 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 50.701 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58

Tgt Ion: 95 Resp: 105222
Ion Ratio Lower Upper
95 100
174 98.7 0.0 135.6
176 95.4 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: VX042111.D

Acq: 01 Jul 2024 13:58

Instrument :

MSVOA_X

ClientSampleId :

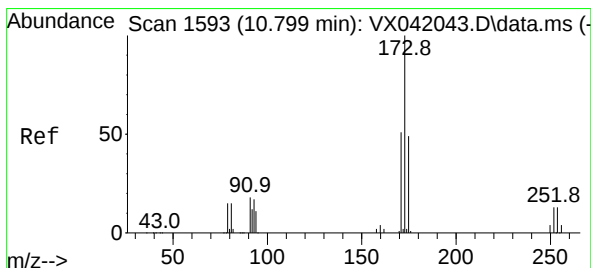
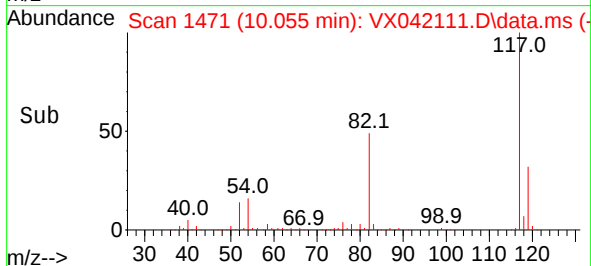
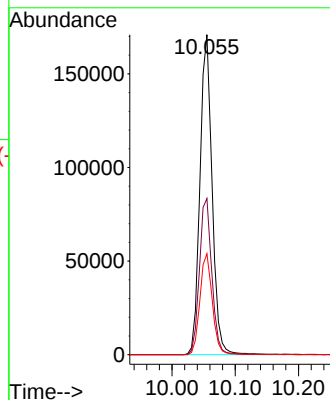
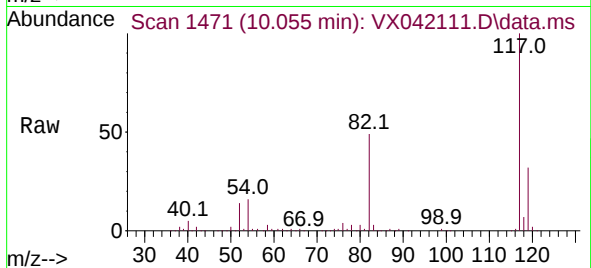
Tgt Ion:117 Resp: 229173

Ion Ratio Lower Upper

117 100

82 48.8 46.2 69.4

119 31.5 25.5 38.3



#71

Bromoform

Concen: 0.912 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.268 min

Lab File: VX042111.D

Acq: 01 Jul 2024 13:58

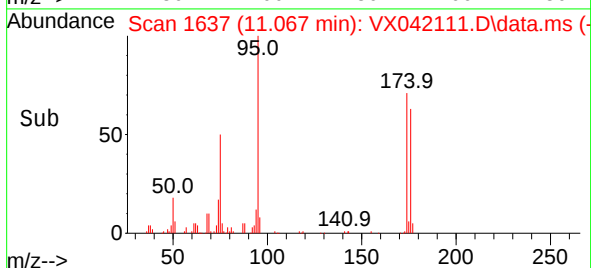
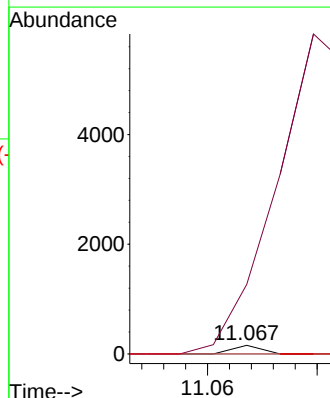
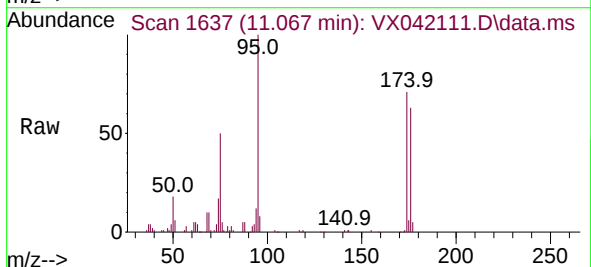
Tgt Ion:173 Resp: 58

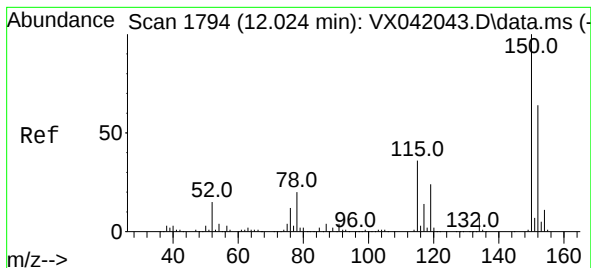
Ion Ratio Lower Upper

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# 1

Delta R.T. 0.000 min

Lab File: VX042111.D

Acq: 01 Jul 2024 13:58

Instrument :

MSVOA_X

ClientSampleId :

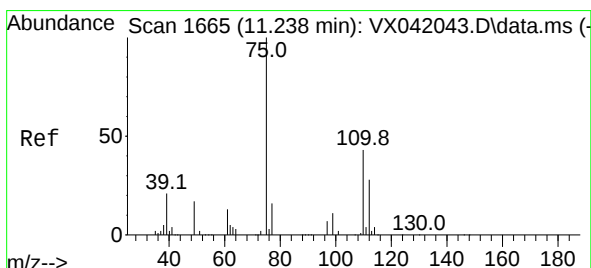
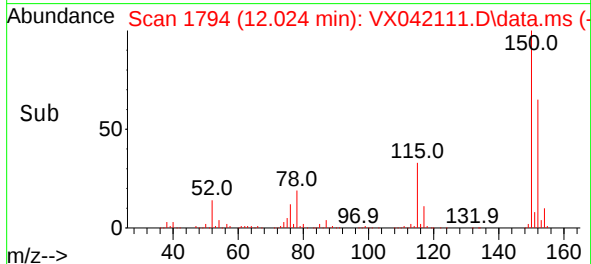
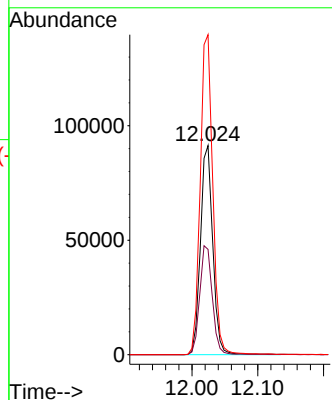
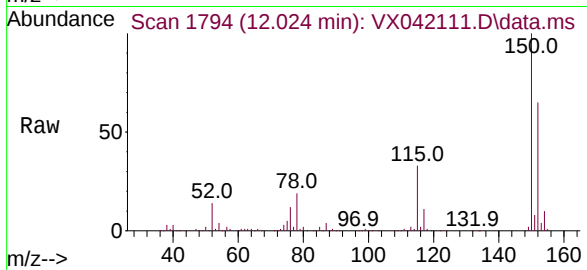
Tgt Ion:152 Resp: 118570

Ion Ratio Lower Upper

152 100

115 53.2 43.3 129.9

150 155.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.986 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042111.D

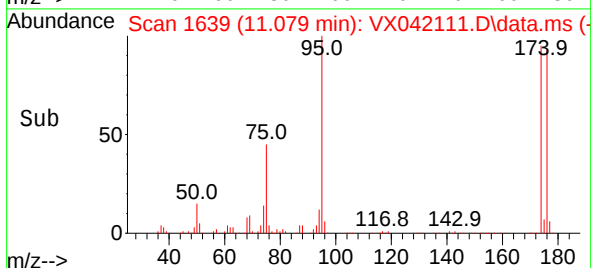
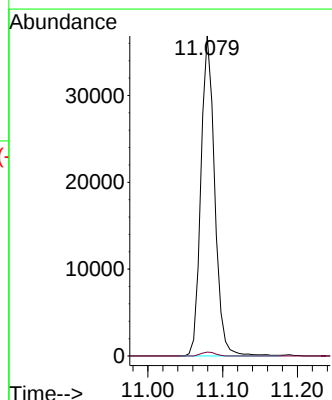
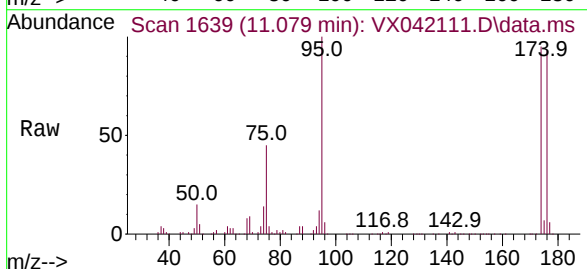
Acq: 01 Jul 2024 13:58

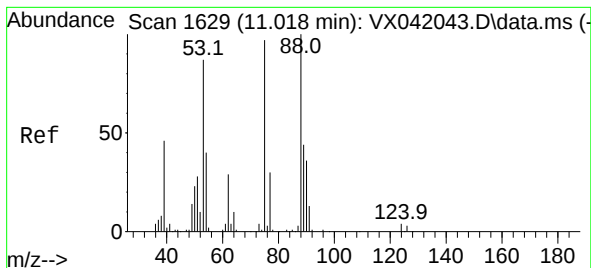
Tgt Ion: 75 Resp: 47326

Ion Ratio Lower Upper

75 100

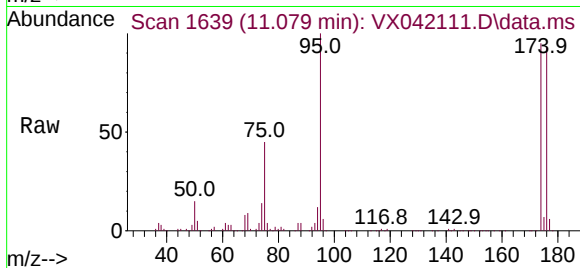
77 1.3 19.1 57.5#



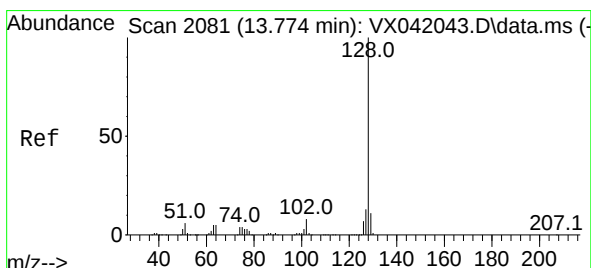
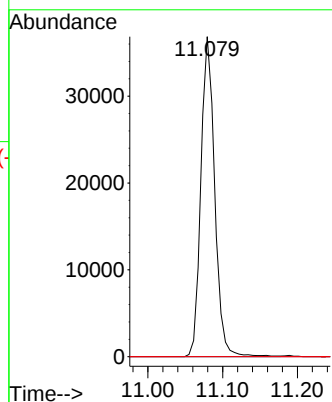
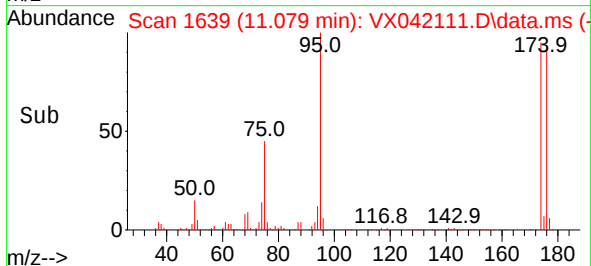


#81
trans-1,4-Dichloro-2-butene
Concen: 62.439 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58

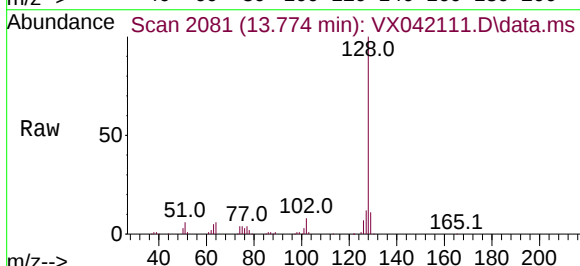
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 47326
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 8.751 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX042111.D
Acq: 01 Jul 2024 13:58



Tgt Ion: 128 Resp: 69066
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.0 8.8 13.2

