

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061824\
 Data File : VX041920.D
 Acq On : 18 Jun 2024 13:59
 Operator : JC/MD
 Sample : VX0618WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBL02

Quant Time: Jun 19 08:09:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:57:22 2024
 Response via : Initial Calibration

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

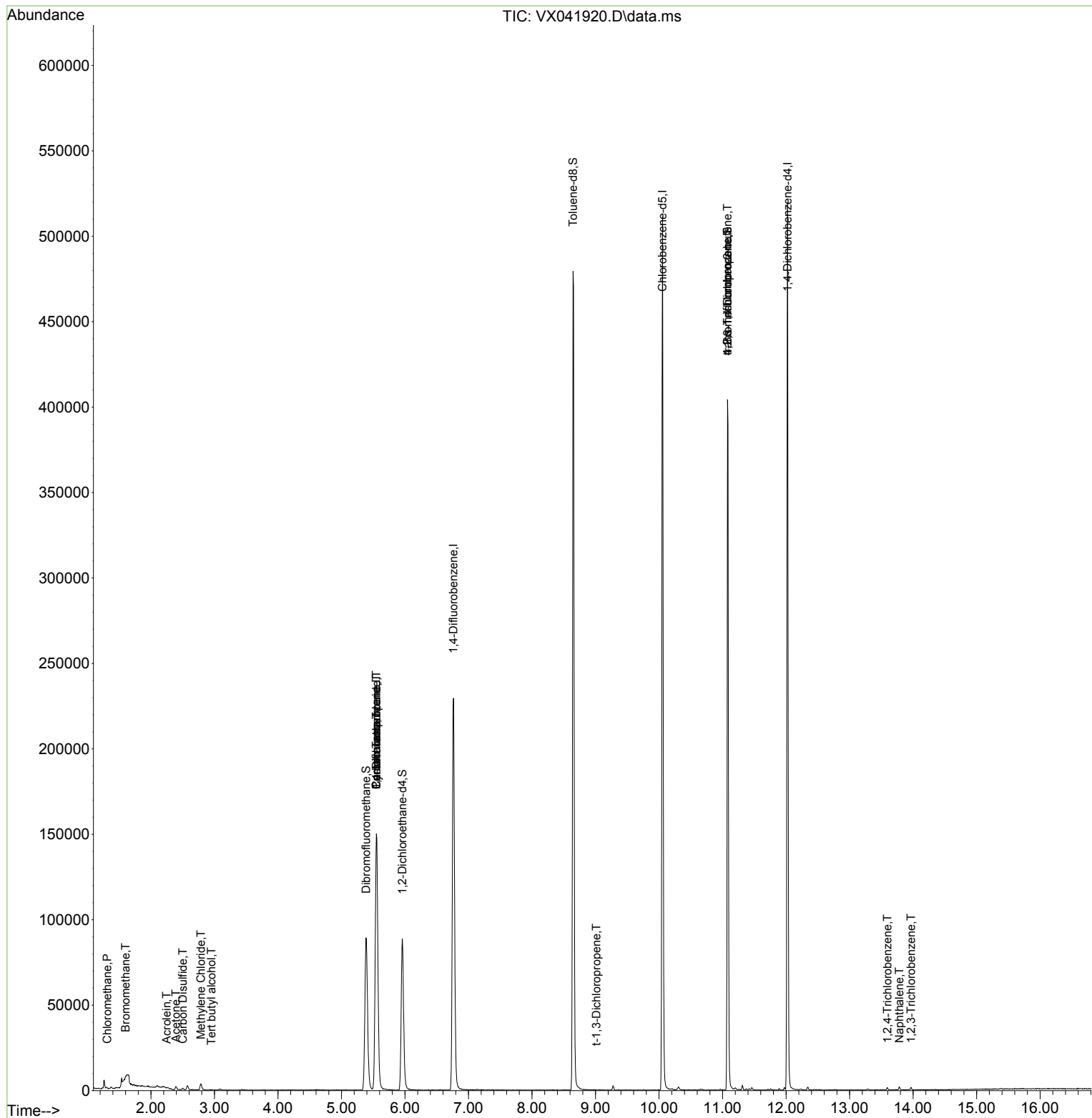
Internal Standards						
1) Pentafluorobenzene	5.550	168	169581	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	258445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83718	42.812	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.620%
35) Dibromofluoromethane	5.385	113	80601	43.953	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.900%
50) Toluene-d8	8.647	98	305709	47.454	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.900%
62) 4-Bromofluorobenzene	11.079	95	108854	45.838	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.680%
Target Compounds						
						Qvalue
3) Chloromethane	1.313	50	428	0.264	ug/l	# 82
5) Bromomethane	1.599	94	285	0.355	ug/l	# 64
6) Chloroethane	1.684	64	192	Below Cal		# 43
11) Tert butyl alcohol	2.953	59	132	0.356	ug/l	# 78
13) Acrolein	2.245	56	130	0.312	ug/l	85
16) Acetone	2.392	43	2028	2.362	ug/l	96
17) Carbon Disulfide	2.501	76	1262	0.423	ug/l	# 91
20) Methylene Chloride	2.788	84	2118	1.126	ug/l	# 78
31) Cyclohexane	5.550	56	2371	1.037	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9719	4.991	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	14077	6.543	ug/l	# 15
53) t-1,3-Dichloropropene	9.012	75	51	0.914	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	49153	22.321	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49153	63.389	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.597	180	679	0.262	ug/l	87
95) Naphthalene	13.786	128	1907	0.964	ug/l	# 89
96) 1,2,3-Trichlorobenzene	13.969	180	657	0.241	ug/l	85

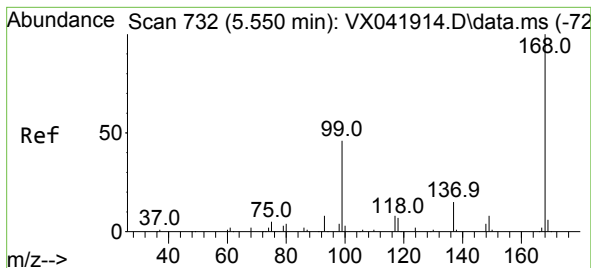
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX041920.D

Acq: 18 Jun 2024 13:59

Instrument :

MSVOA_X

ClientSampleId :

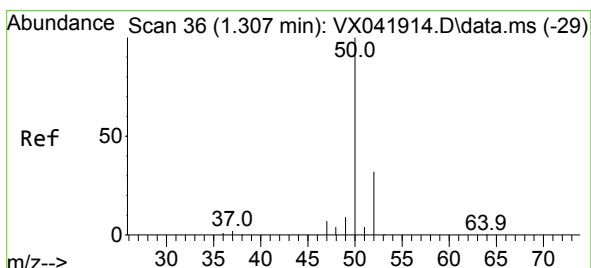
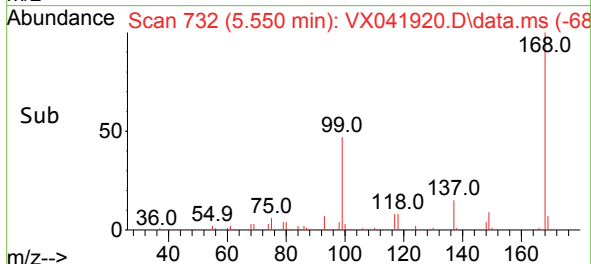
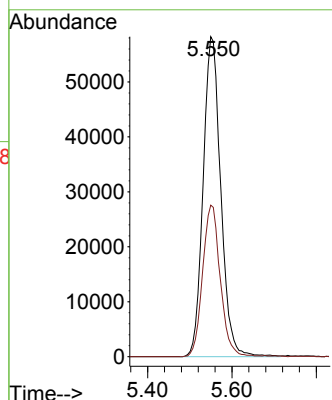
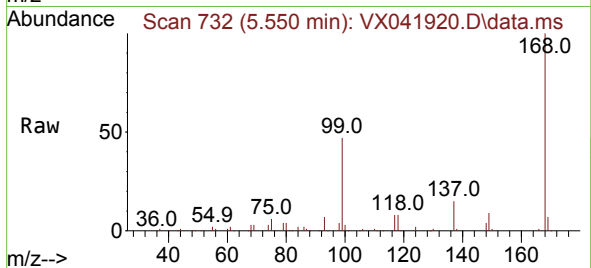
VX0618WBL02

Tgt Ion:168 Resp: 169581

Ion Ratio Lower Upper

168 100

99 47.4 56.6 85.0#



#3

Chloromethane

Concen: 0.264 ug/l

RT: 1.313 min Scan# 37

Delta R.T. 0.006 min

Lab File: VX041920.D

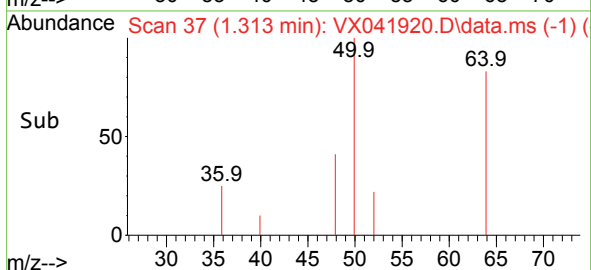
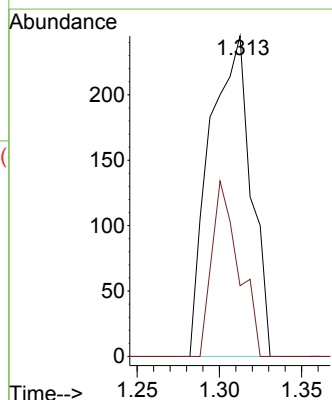
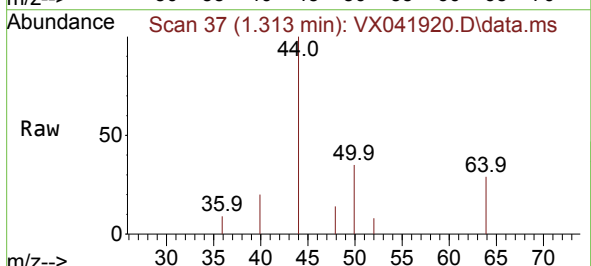
Acq: 18 Jun 2024 13:59

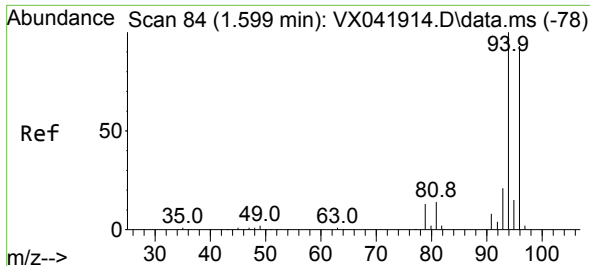
Tgt Ion: 50 Resp: 428

Ion Ratio Lower Upper

50 100

52 22.0 25.5 38.3#

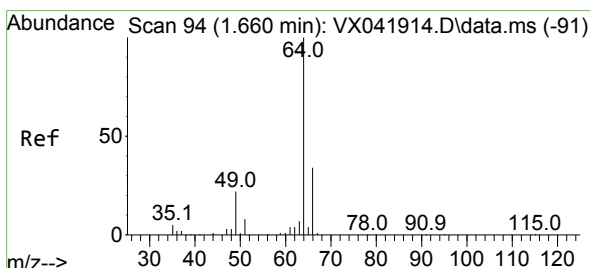
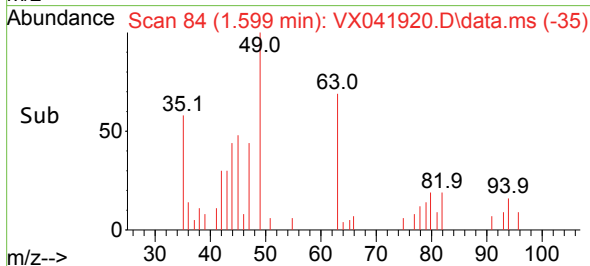
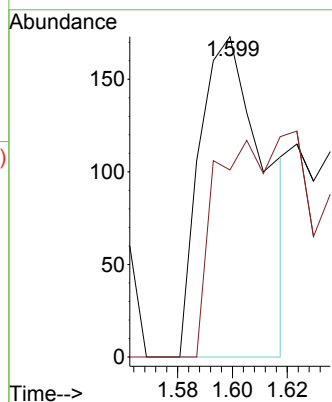
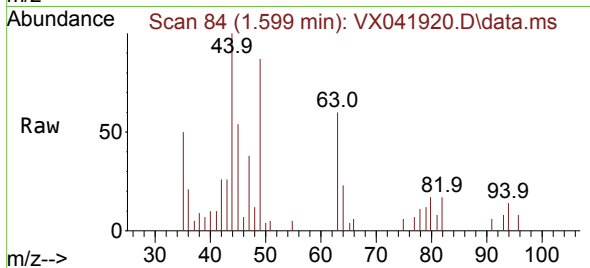




#5
Bromomethane
Concen: 0.355 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

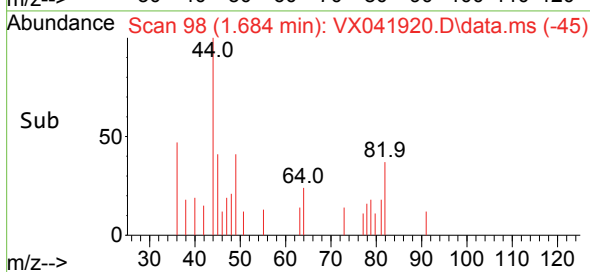
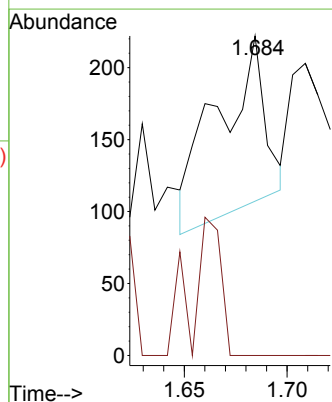
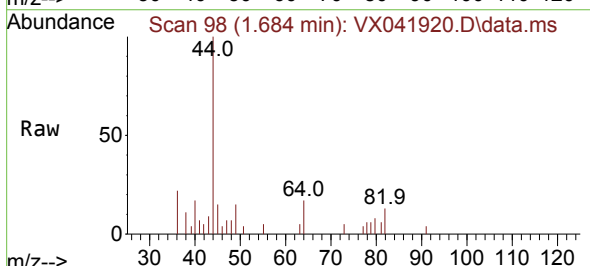
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL02

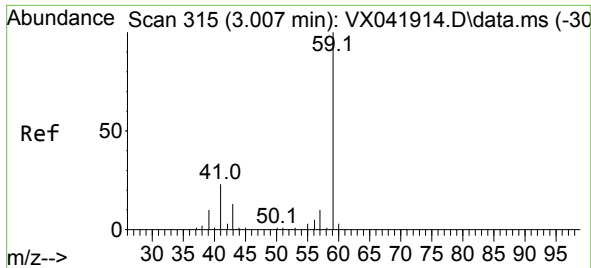
Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 58.4 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.684 min Scan# 98
Delta R.T. 0.024 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.356 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.055 min

Lab File: VX041920.D

Acq: 18 Jun 2024 13:59

Instrument :

MSVOA_X

ClientSampleId :

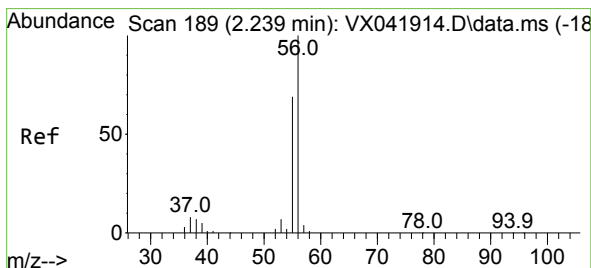
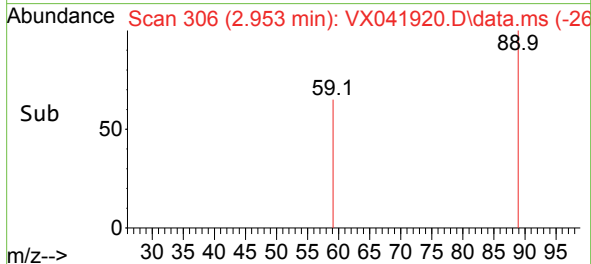
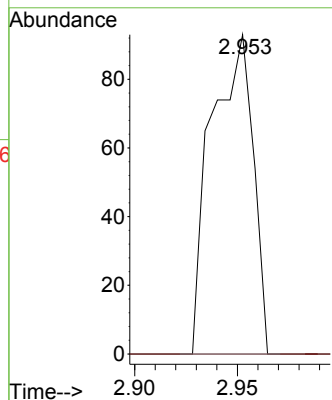
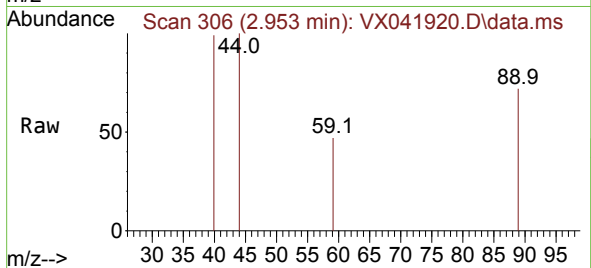
VX0618WBL02

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.312 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX041920.D

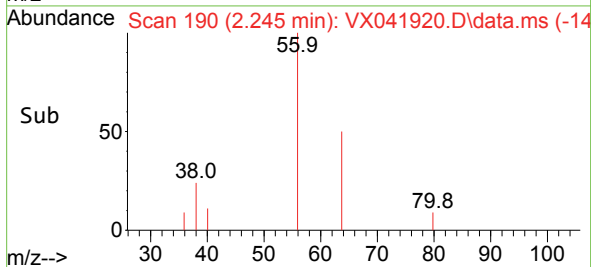
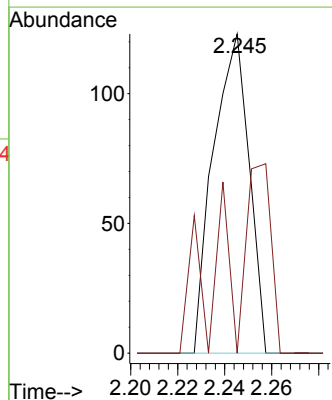
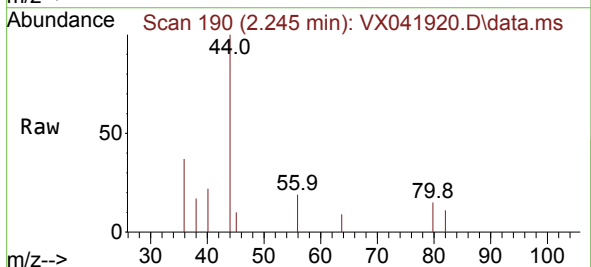
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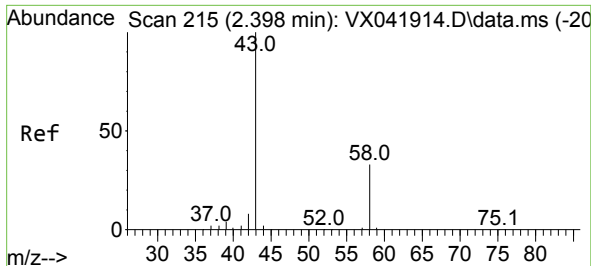
Tgt Ion: 56 Resp: 130

Ion Ratio Lower Upper

56 100

55 59.2 57.1 85.7

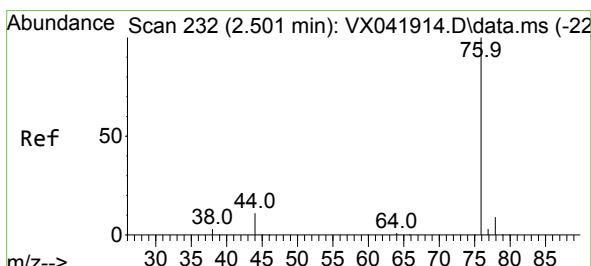
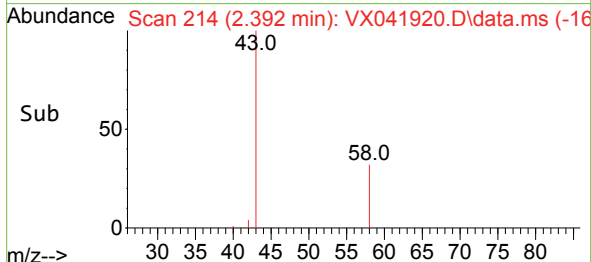
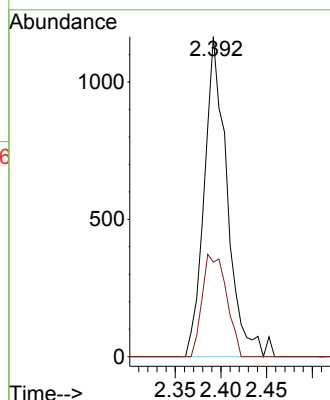
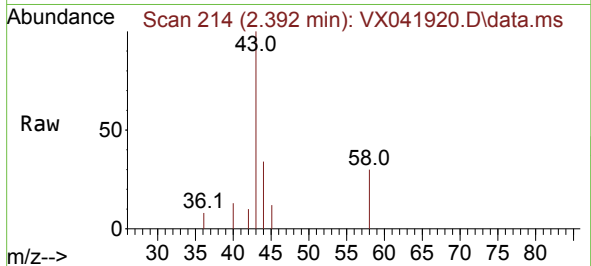




#16
Acetone
Concen: 2.362 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

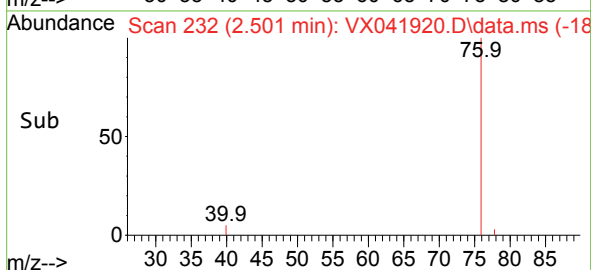
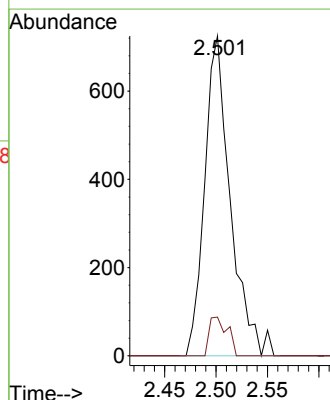
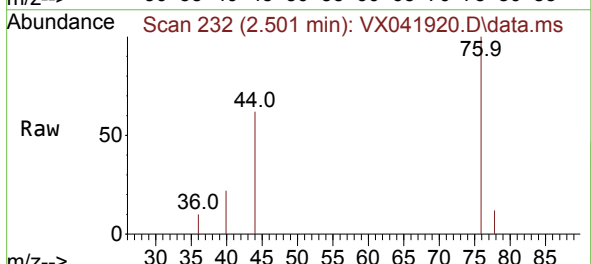
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL02

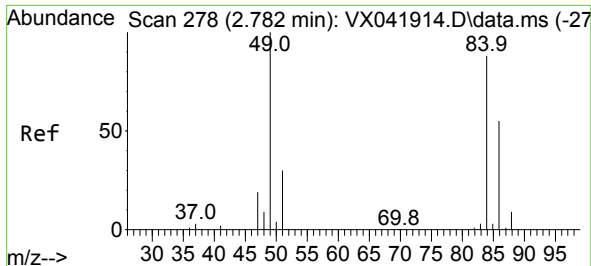
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
58 29.5 21.9 32.9



#17
Carbon Disulfide
Concen: 0.423 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

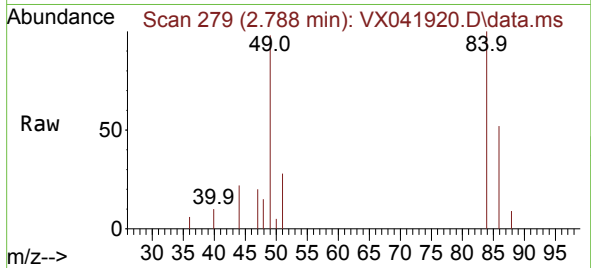
Tgt Ion: 76 Resp: 1262
Ion Ratio Lower Upper
76 100
78 12.1 7.0 10.6#



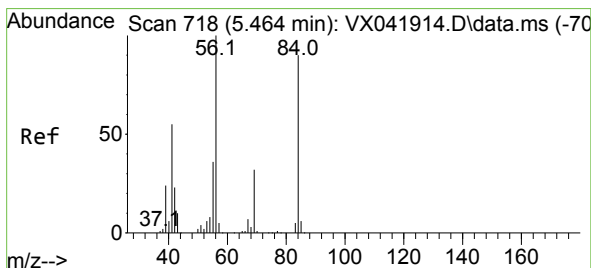
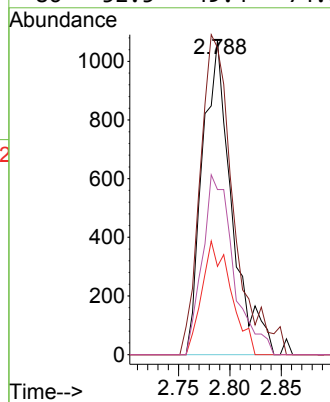


#20
Methylene Chloride
Concen: 1.126 ug/l
RT: 2.788 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL02

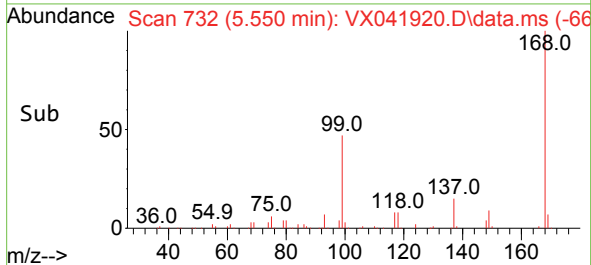
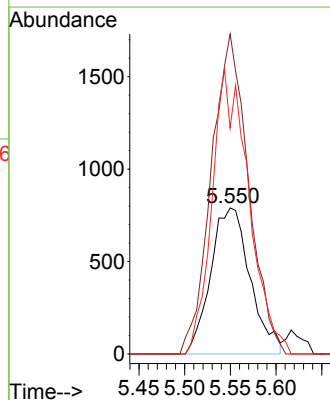
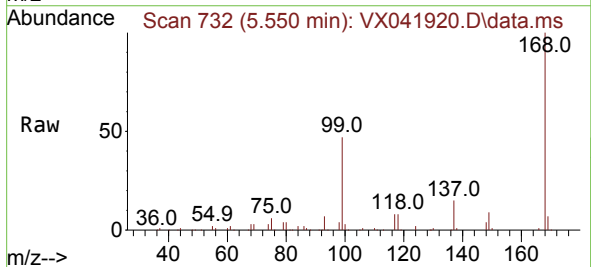


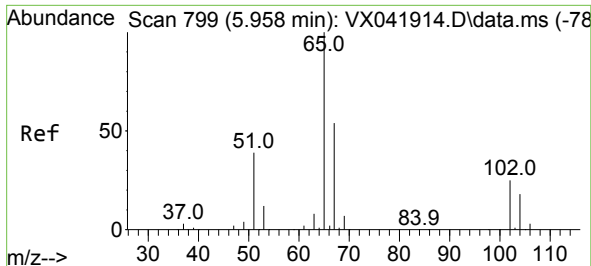
Tgt Ion:	84	Resp:	2118
Ion	Ratio	Lower	Upper
84	100		
49	97.6	103.6	155.4#
51	28.1	33.8	50.6#
86	52.5	49.4	74.0



#31
Cyclohexane
Concen: 1.037 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

Tgt Ion:	56	Resp:	2371
Ion	Ratio	Lower	Upper
56	100		
69	219.1	23.4	35.2#
84	154.6	65.9	98.9#

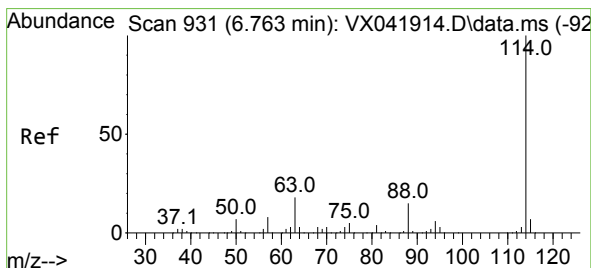
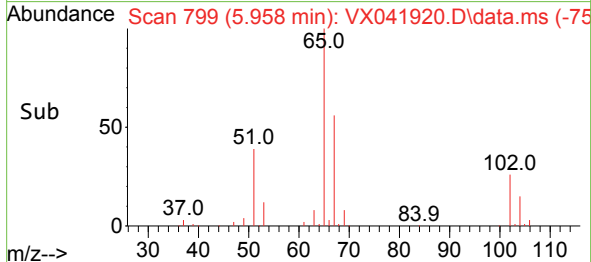
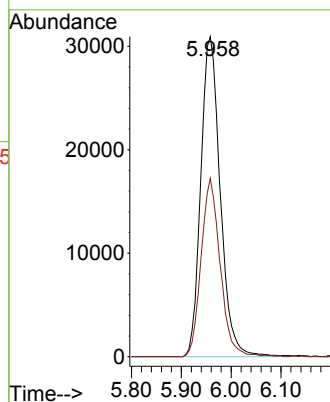
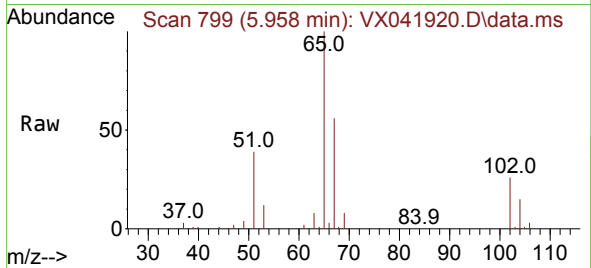




#33
 1,2-Dichloroethane-d4
 Concen: 42.812 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX041920.D
 Acq: 18 Jun 2024 13:59

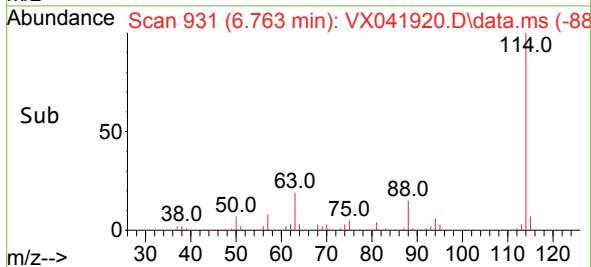
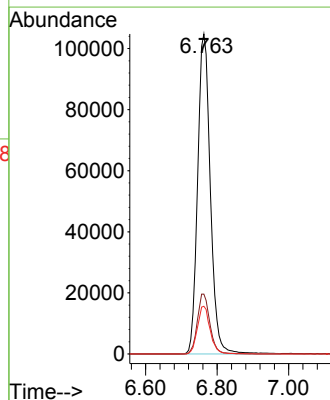
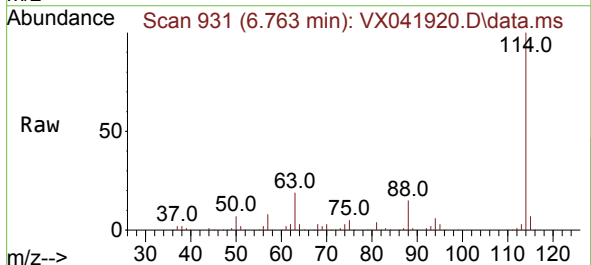
Instrument :
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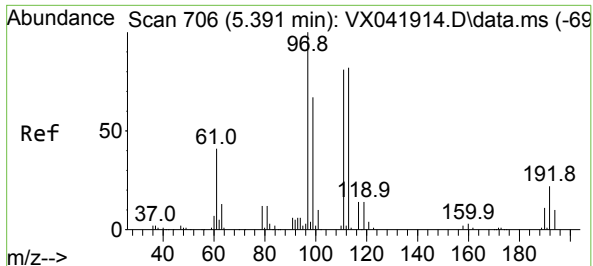
Tgt Ion: 65 Resp: 83718
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX041920.D
 Acq: 18 Jun 2024 13:59

Tgt Ion: 114 Resp: 258445
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 45.0
 88 14.9 0.0 36.6

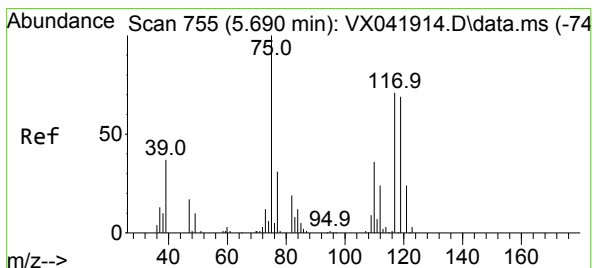
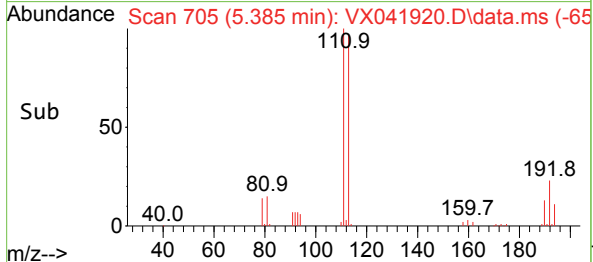
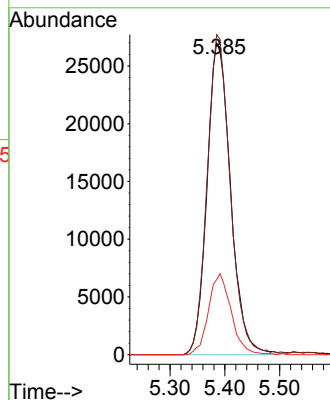
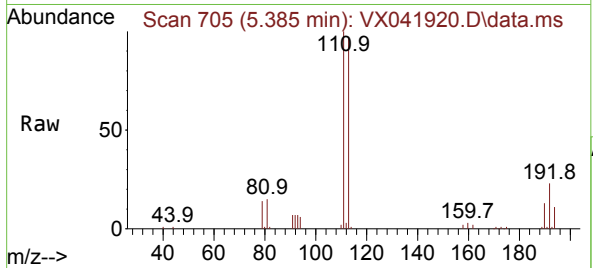




#35
Dibromofluoromethane
Concen: 43.953 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

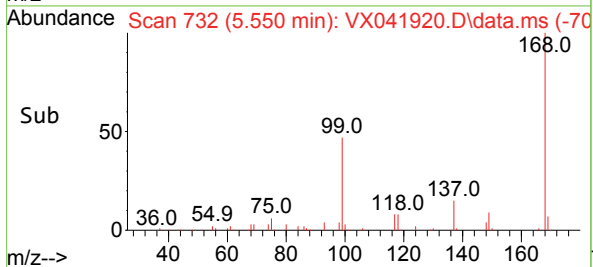
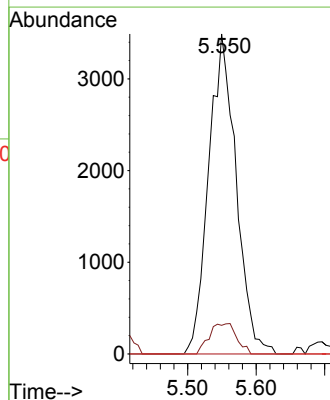
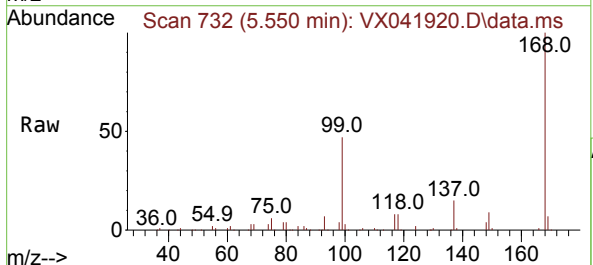
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL02

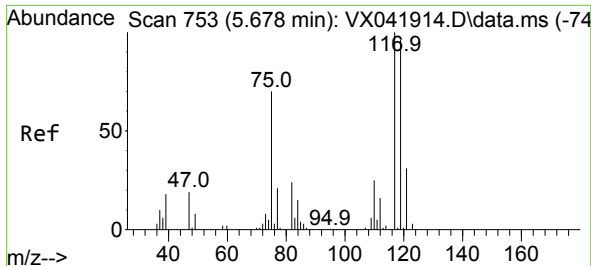
Tgt Ion:113 Resp: 80601
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 25.0 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.991 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

Tgt Ion: 75 Resp: 9719
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#

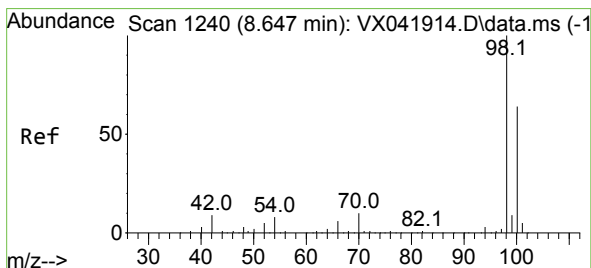
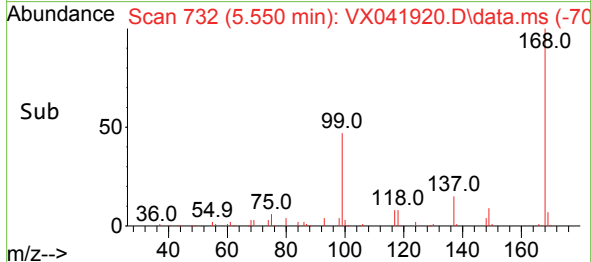
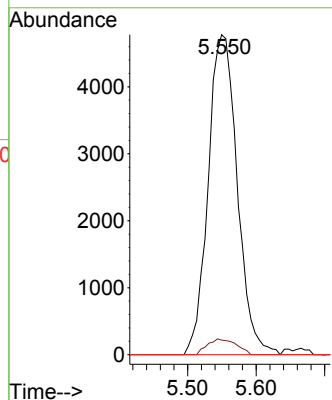
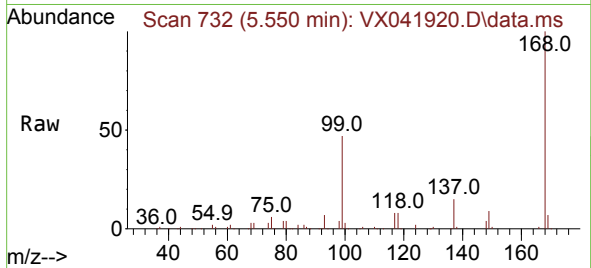




#38
Carbon Tetrachloride
Concen: 6.543 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

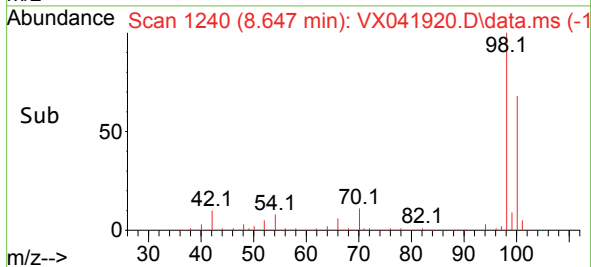
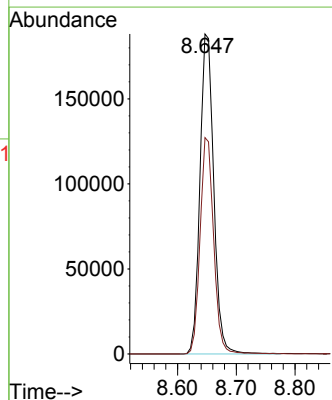
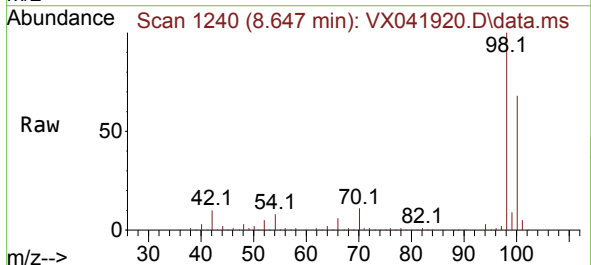
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL02

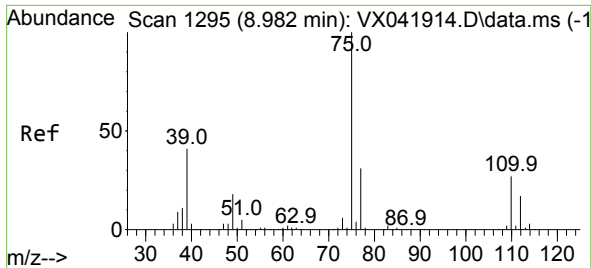
Tgt Ion:117 Resp: 14077
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.454 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

Tgt Ion: 98 Resp: 305709
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7

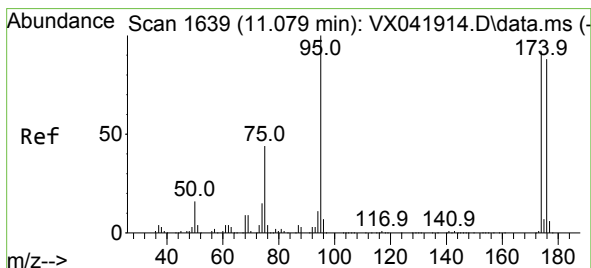
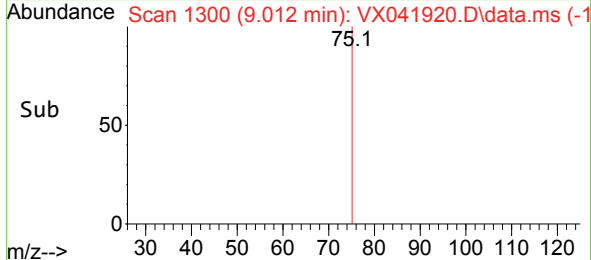
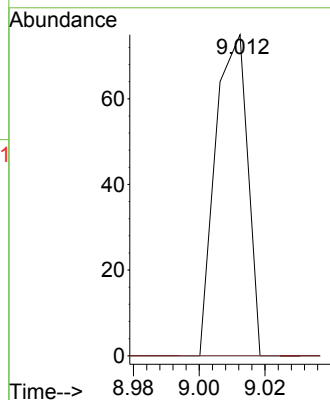
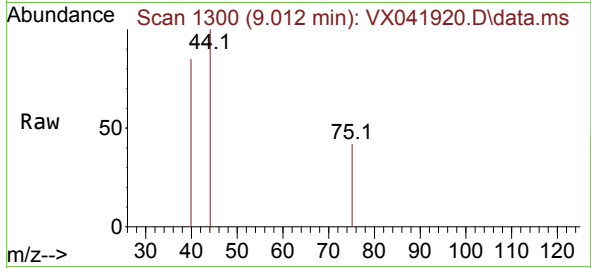




#53
t-1,3-Dichloropropene
Concen: 0.914 ug/l
RT: 9.012 min Scan# 11
Delta R.T. 0.030 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

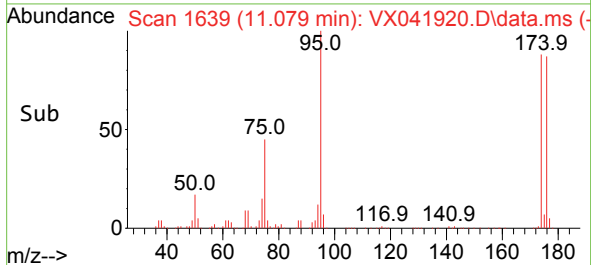
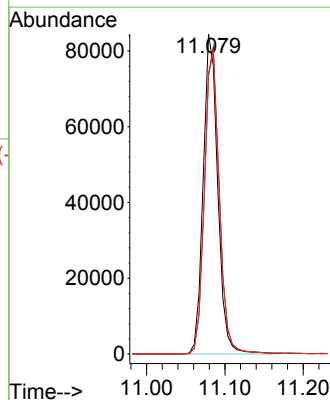
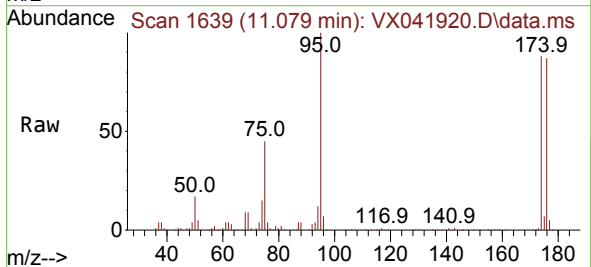
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL02

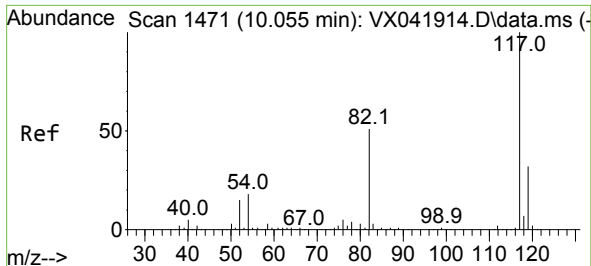
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#62
4-Bromofluorobenzene
Concen: 45.838 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

Tgt Ion: 95 Resp: 108854
Ion Ratio Lower Upper
95 100
174 97.7 0.0 135.6
176 96.6 0.0 131.0

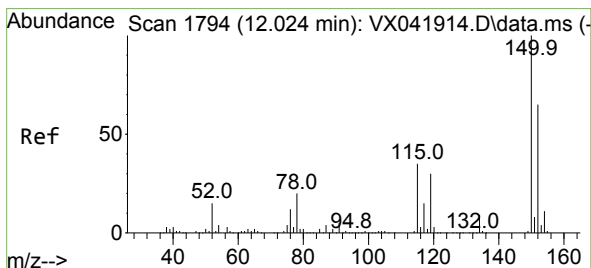
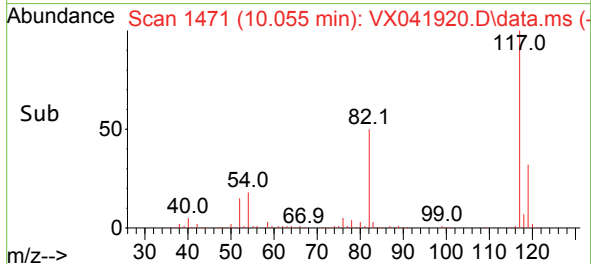
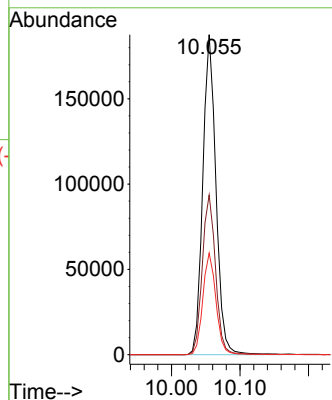
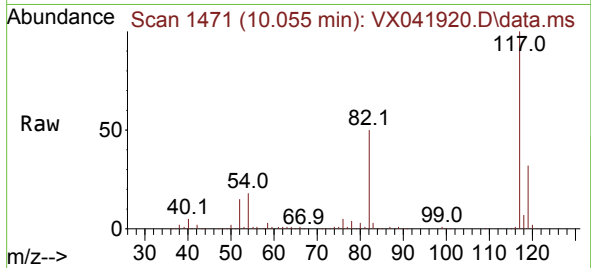




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

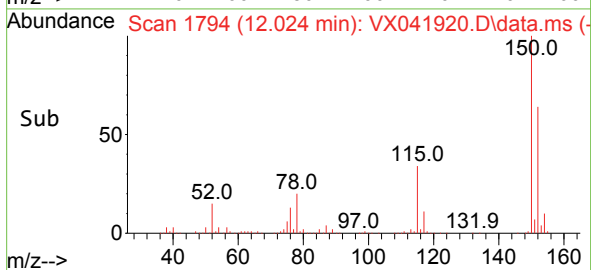
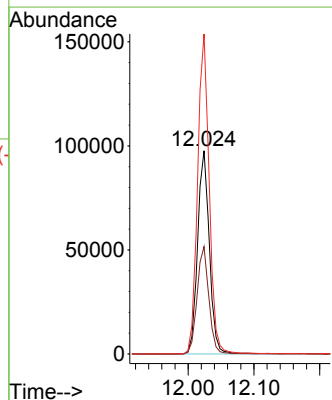
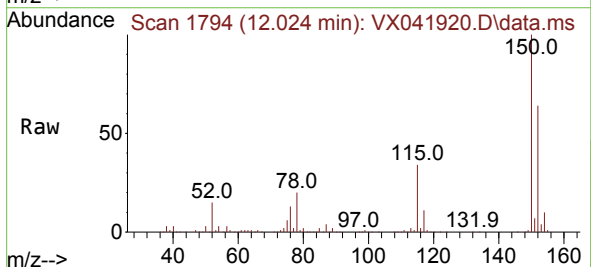
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL02

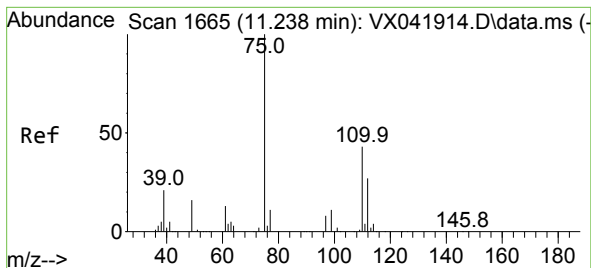
Tgt Ion:117 Resp: 251143
Ion Ratio Lower Upper
117 100
82 49.9 46.2 69.4
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041920.D
Acq: 18 Jun 2024 13:59

Tgt Ion:152 Resp: 121302
Ion Ratio Lower Upper
152 100
115 53.0 43.3 129.9
150 155.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.321 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041920.D

Acq: 18 Jun 2024 13:59

Instrument :

MSVOA_X

ClientSampleId :

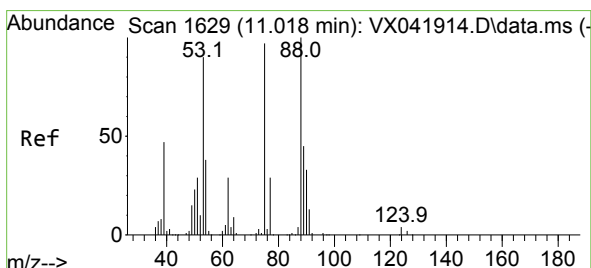
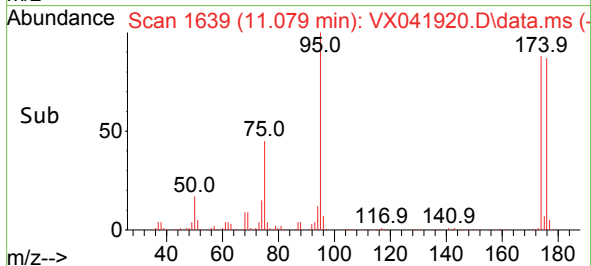
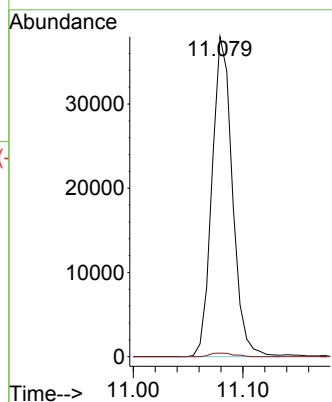
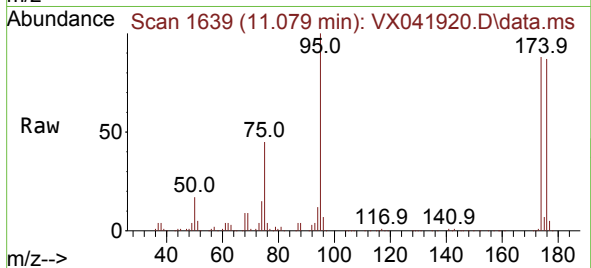
VX0618WBL02

Tgt Ion: 75 Resp: 49153

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.389 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041920.D

Acq: 18 Jun 2024 13:59

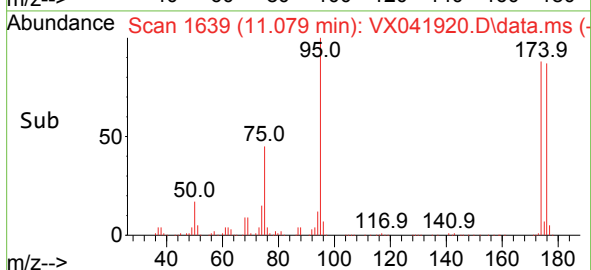
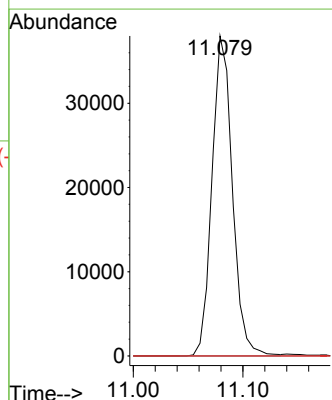
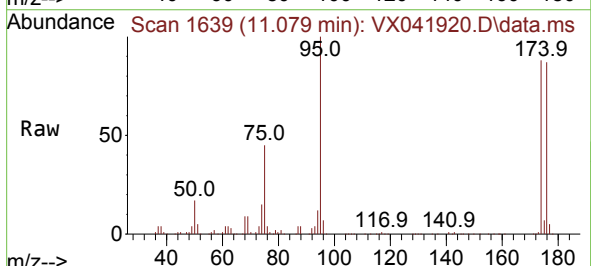
Tgt Ion: 75 Resp: 49153

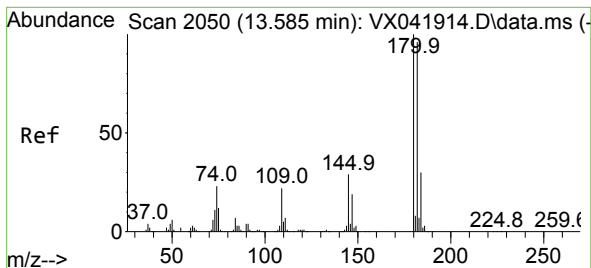
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.262 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX041920.D

Acq: 18 Jun 2024 13:59

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBL02

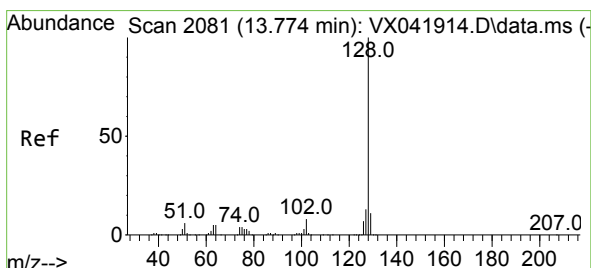
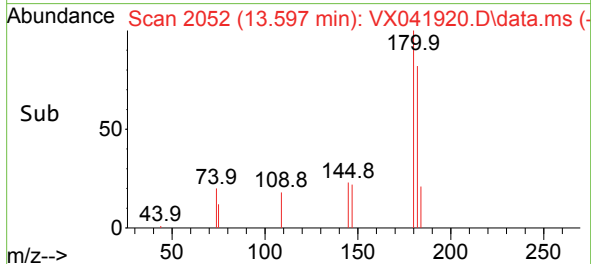
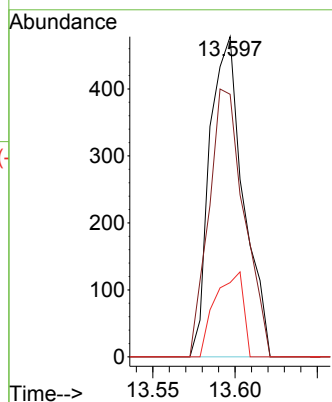
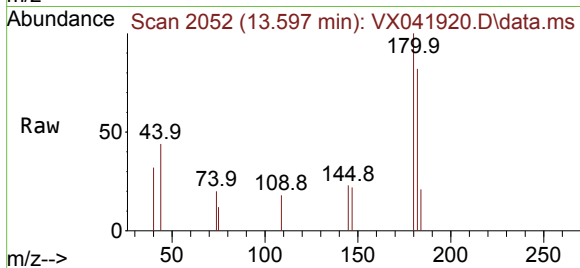
Tgt Ion:180 Resp: 679

Ion Ratio Lower Upper

180 100

182 87.9 48.3 144.8

145 22.1 18.0 54.0



#95

Naphthalene

Concen: 0.964 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX041920.D

Acq: 18 Jun 2024 13:59

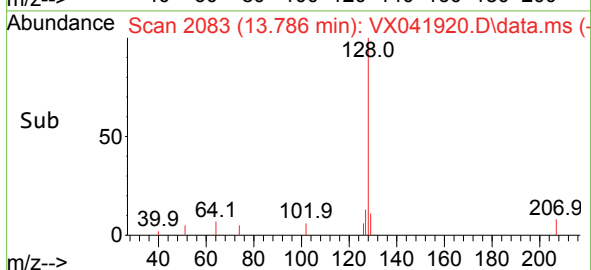
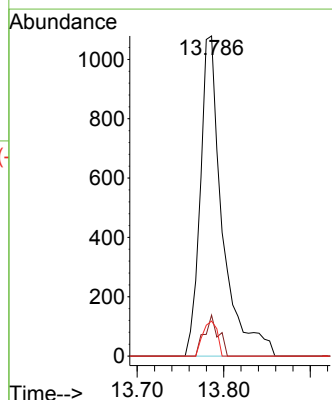
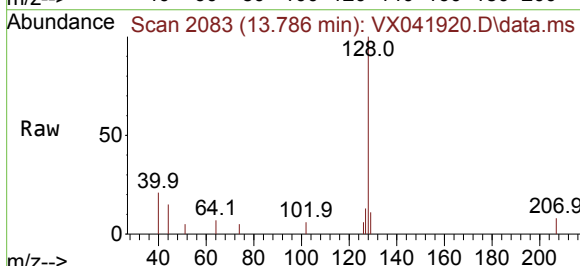
Tgt Ion:128 Resp: 1907

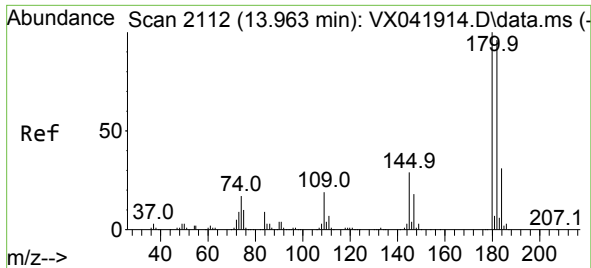
Ion Ratio Lower Upper

128 100

127 8.2 10.3 15.5#

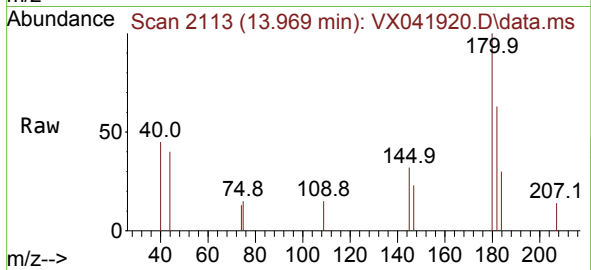
129 7.1 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.241 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX041920.D
 Acq: 18 Jun 2024 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBL02



Tgt Ion:180 Resp: 657
 Ion Ratio Lower Upper
 180 100
 182 79.9 46.9 140.6
 145 26.2 17.8 53.5

