

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061924\
 Data File : VX041941.D
 Acq On : 19 Jun 2024 12:20
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 20 00:57:43 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	141028	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	217508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106458	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72405	44.523	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.040%
35) Dibromofluoromethane	5.391	113	68575	44.433	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.860%
50) Toluene-d8	8.647	98	253906	46.830	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.660%
62) 4-Bromofluorobenzene	11.079	95	94637	47.351	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.700%

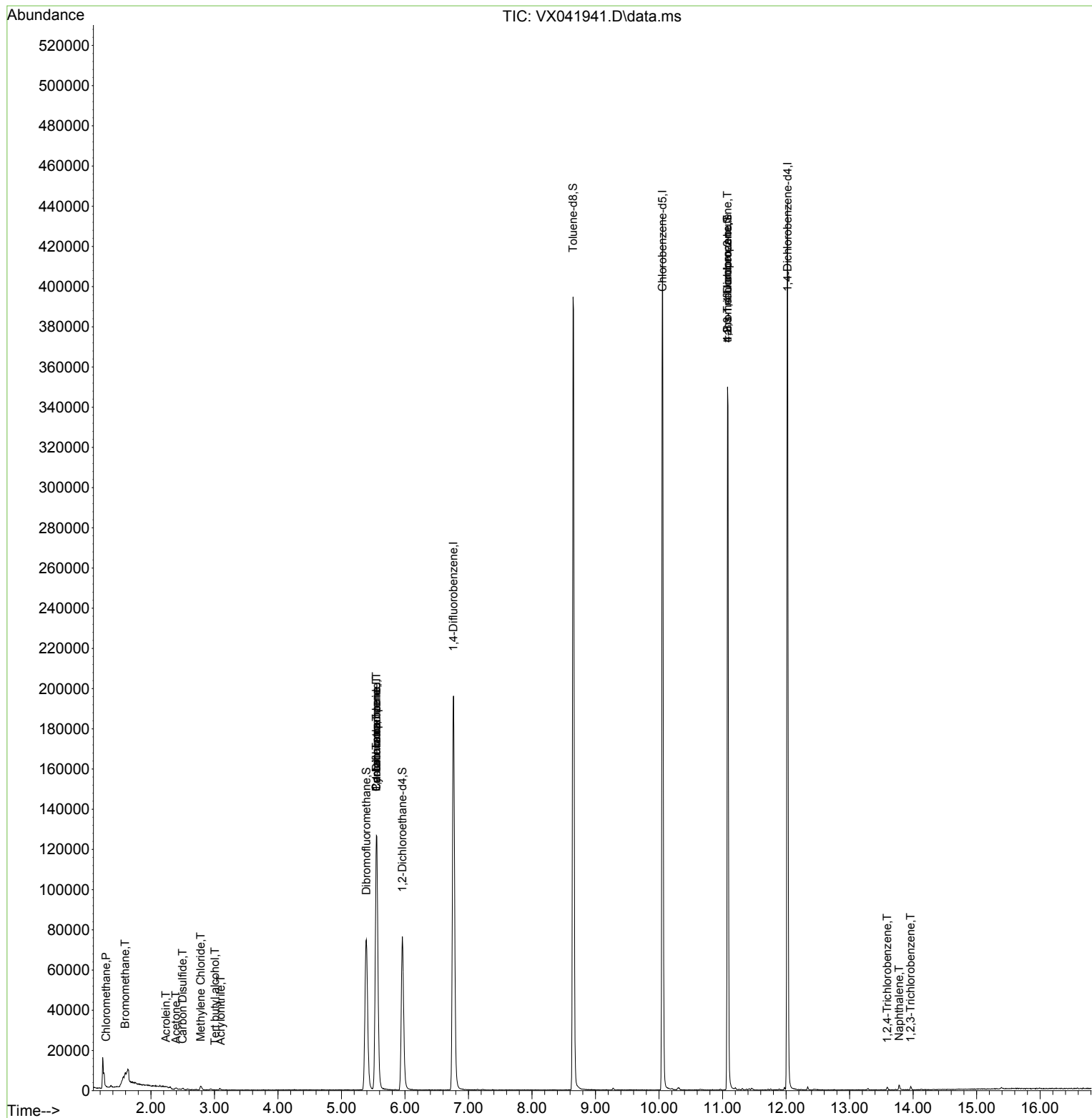
Target Compounds					Qvalue
3) Chloromethane	1.294	50	397	0.295 ug/l	# 43
5) Bromomethane	1.593	94	345	0.517 ug/l	# 56
6) Chloroethane	1.666	64	90	Below Cal	# 43
11) Tert butyl alcohol	3.008	59	118	0.382 ug/l	# 78
13) Acrolein	2.233	56	221	0.639 ug/l	# 80
15) Acrylonitrile	3.099	53	195	0.242 ug/l	# 93
16) Acetone	2.392	43	882	1.235 ug/l	# 86
17) Carbon Disulfide	2.495	76	941	0.379 ug/l	# 90
20) Methylene Chloride	2.782	84	1215	0.777 ug/l	# 84
31) Cyclohexane	5.550	56	2168	1.140 ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	8179	4.991 ug/l	# 51
38) Carbon Tetrachloride	5.550	117	11615	6.414 ug/l	# 16
76) 1,2,3-Trichloropropane	11.079	75	43818	22.673 ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	43818	64.388 ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	594	0.262 ug/l	# 86
95) Naphthalene	13.780	128	2437	1.062 ug/l	# 96
96) 1,2,3-Trichlorobenzene	13.963	180	579	0.242 ug/l	# 84

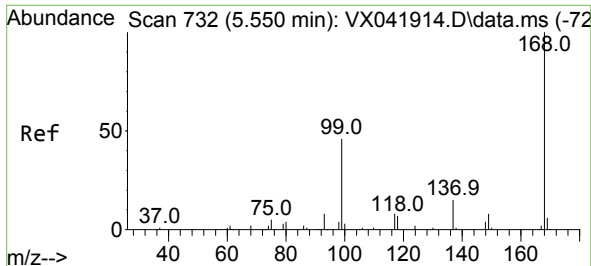
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Time: Jun 20 00:57:43 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

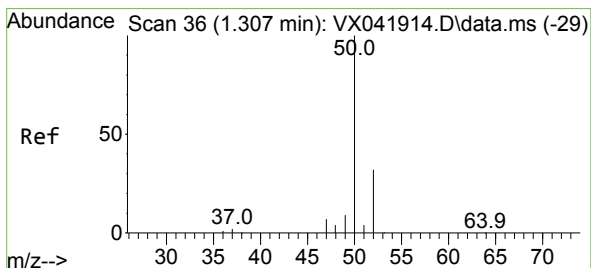
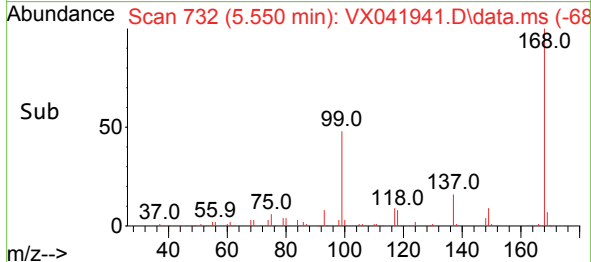
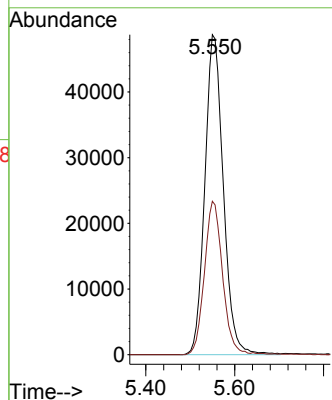
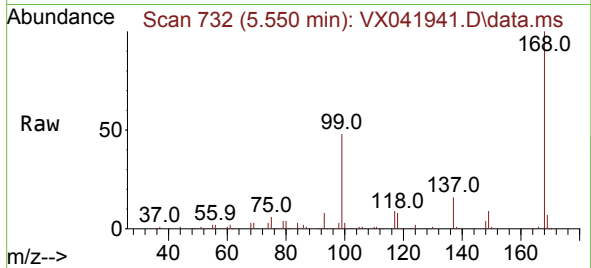




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

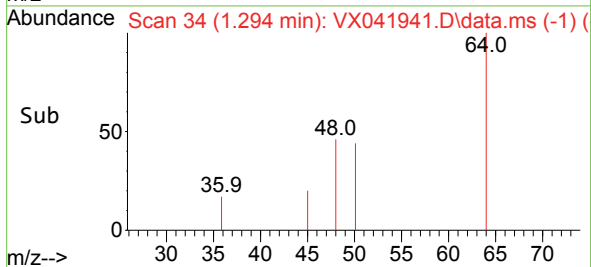
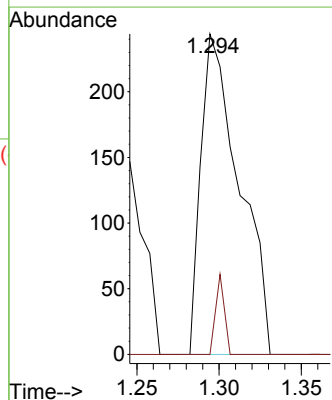
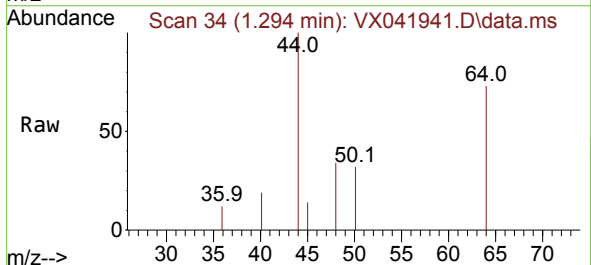
Instrument :
MSVOA_X
ClientSampleId :
IBLK

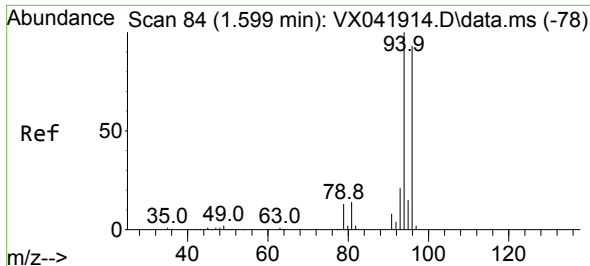
Tgt Ion:168 Resp: 141028
Ion Ratio Lower Upper
168 100
99 47.9 56.6 85.0#



#3
Chloromethane
Concen: 0.295 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

Tgt Ion: 50 Resp: 397
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

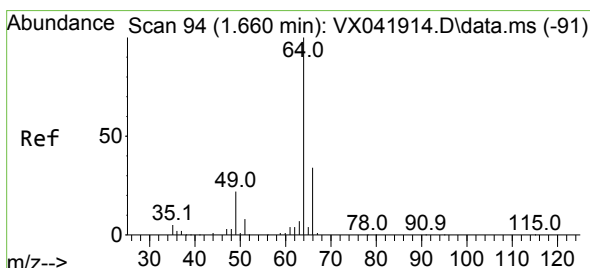
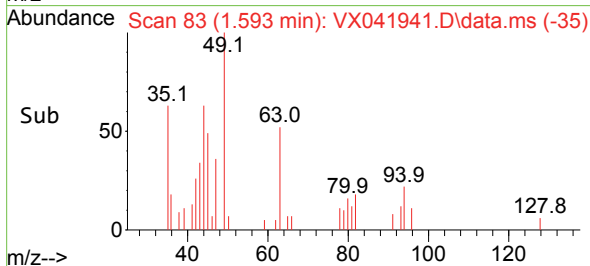
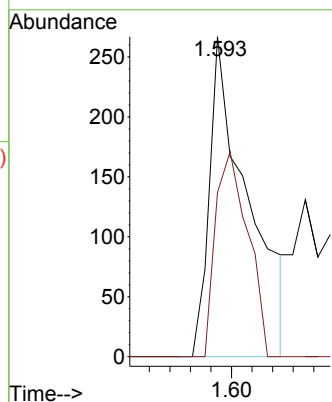
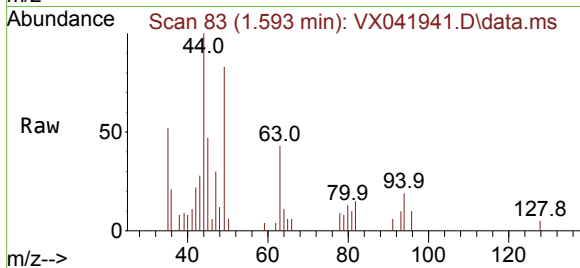




#5
Bromomethane
Concen: 0.517 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

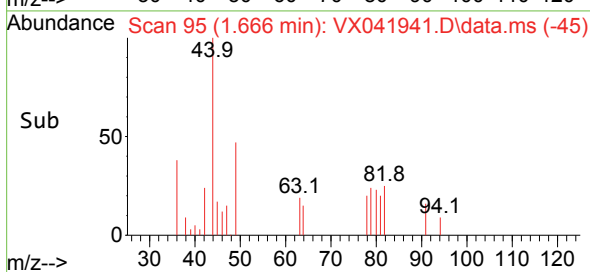
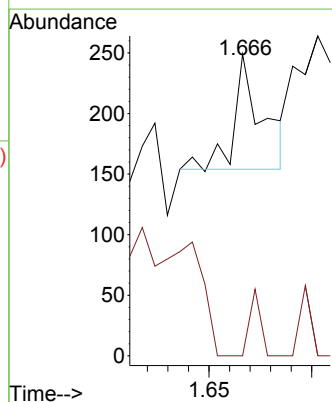
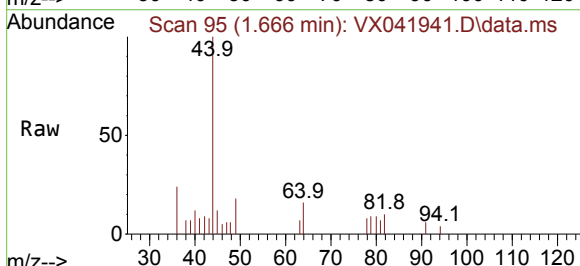
Instrument :
MSVOA_X
ClientSampleId :
IBLK

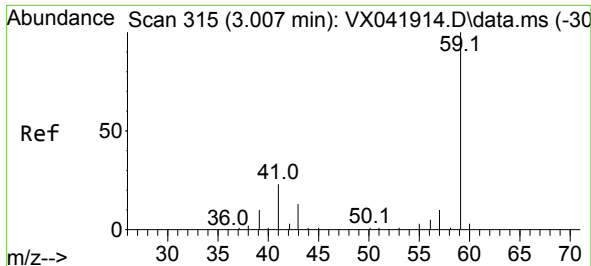
Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 51.3 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.382 ug/l

RT: 3.008 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX041941.D

Acq: 19 Jun 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

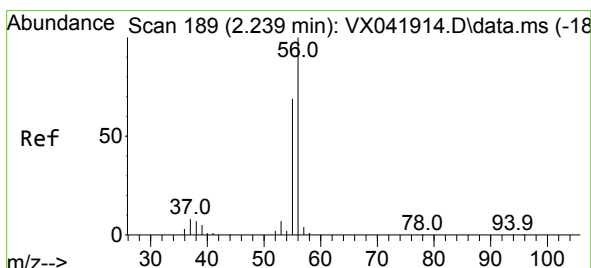
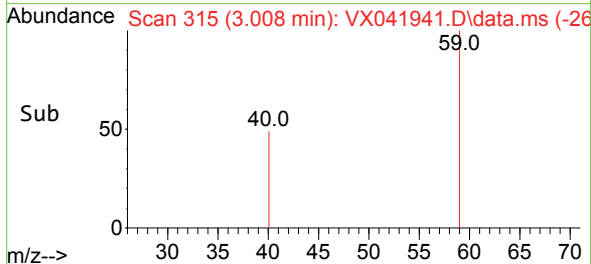
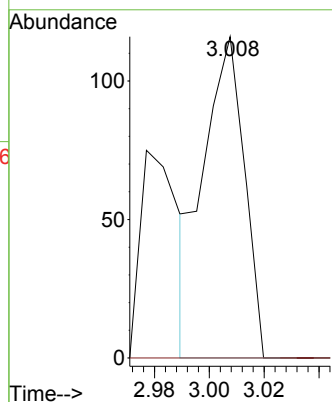
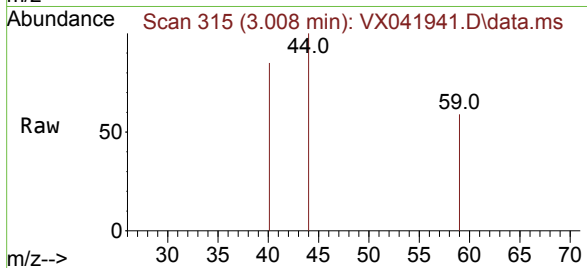
IBLK

Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.639 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX041941.D

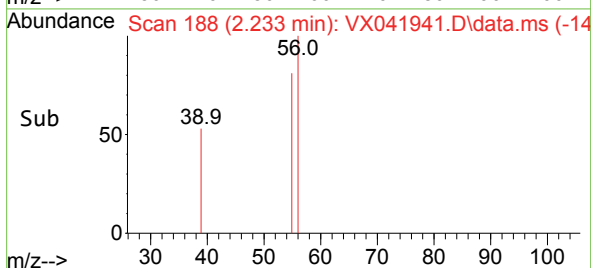
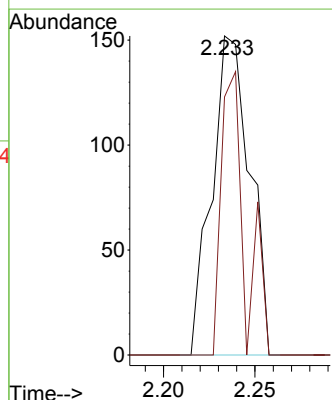
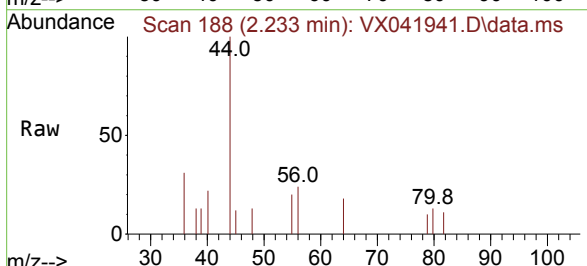
Acq: 19 Jun 2024 12:20

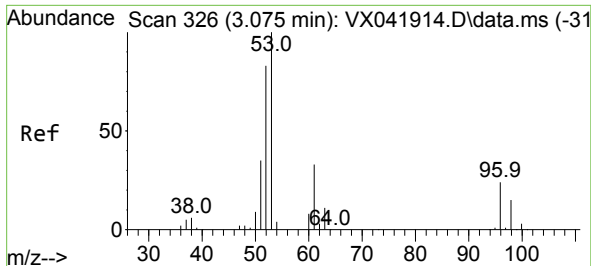
Tgt Ion: 56 Resp: 221

Ion Ratio Lower Upper

56 100

55 54.8 57.1 85.7#





#15

Acrylonitrile

Concen: 0.242 ug/l

RT: 3.099 min Scan# 31

Delta R.T. 0.024 min

Lab File: VX041941.D

Acq: 19 Jun 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

IBLK

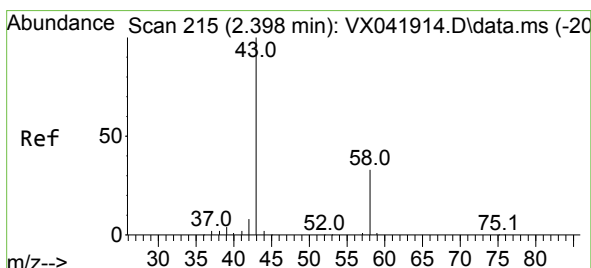
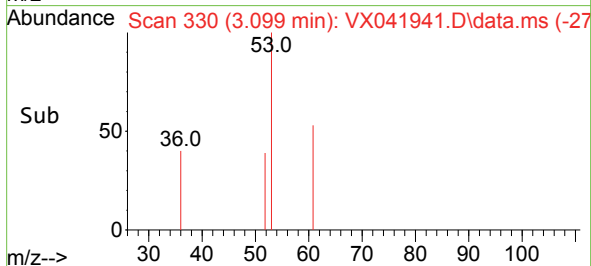
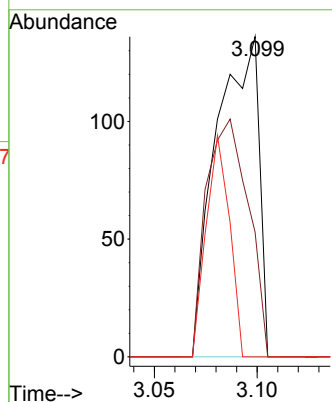
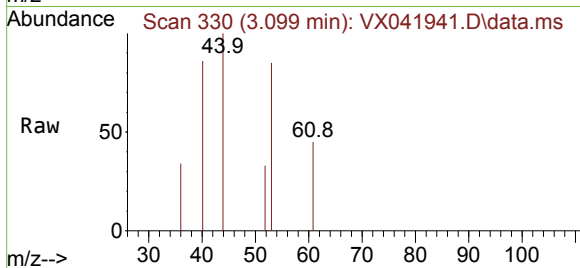
Tgt Ion: 53 Resp: 195

Ion Ratio Lower Upper

53 100

52 73.3 66.0 99.0

51 37.9 29.8 44.6



#16

Acetone

Concen: 1.235 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041941.D

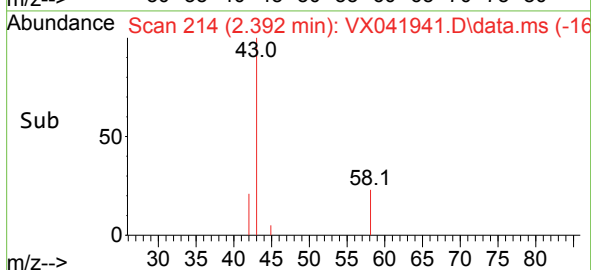
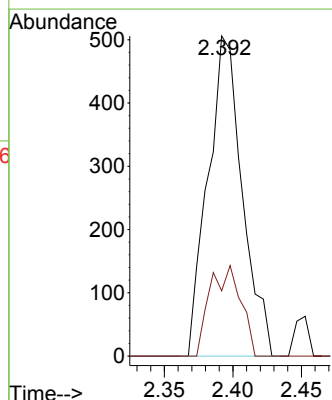
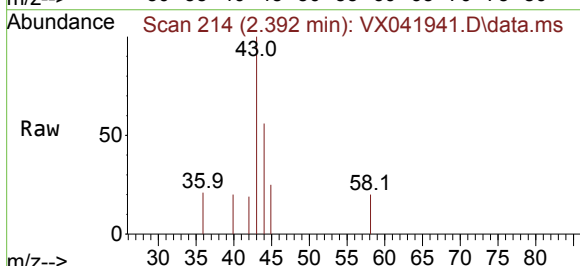
Acq: 19 Jun 2024 12:20

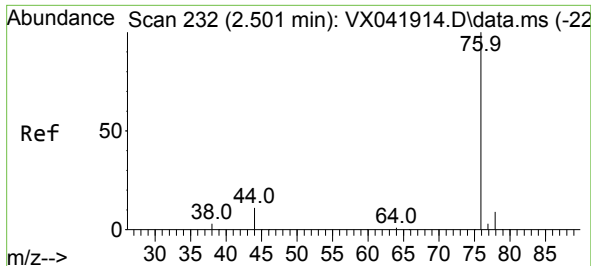
Tgt Ion: 43 Resp: 882

Ion Ratio Lower Upper

43 100

58 20.4 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.379 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX041941.D

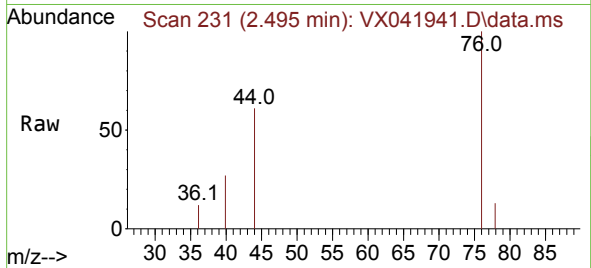
Acq: 19 Jun 2024 12:20

Instrument :

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ClientSampleId :

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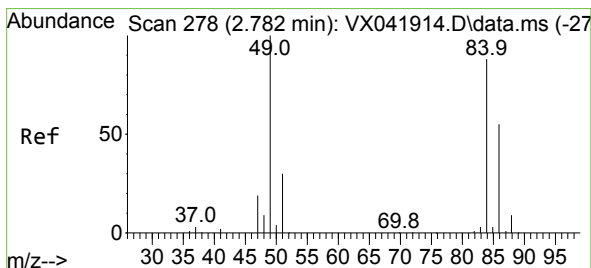
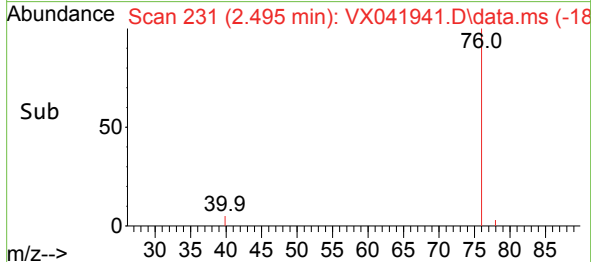
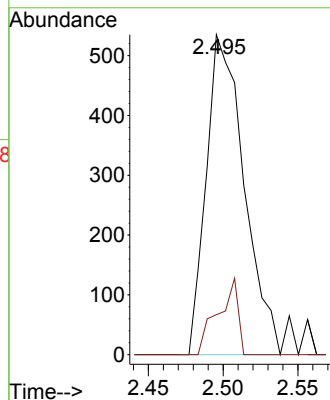


Tgt Ion: 76 Resp: 941

Ion Ratio Lower Upper

76 100

78 12.5 7.0 10.6#



#20

Methylene Chloride

Concen: 0.777 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX041941.D

Acq: 19 Jun 2024 12:20

Tgt Ion: 84 Resp: 1215

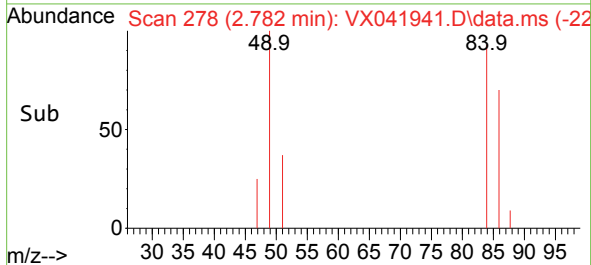
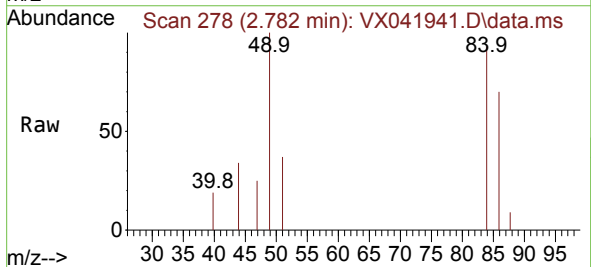
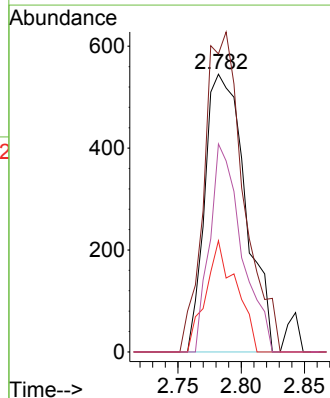
Ion Ratio Lower Upper

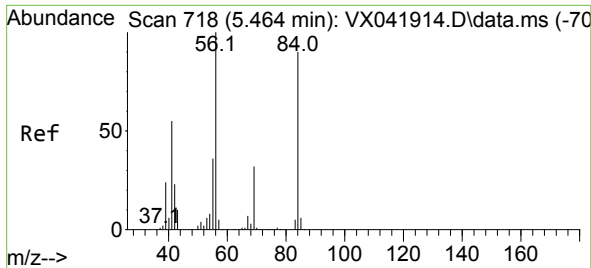
84 100

49 107.3 103.6 155.4

51 40.0 33.8 50.6

86 74.9 49.4 74.0#

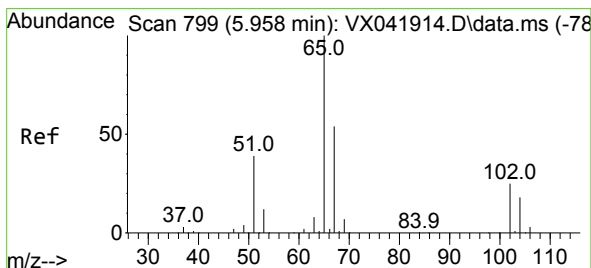
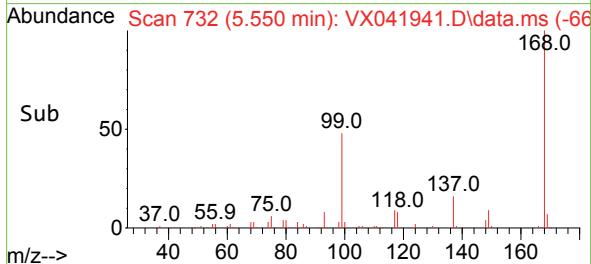
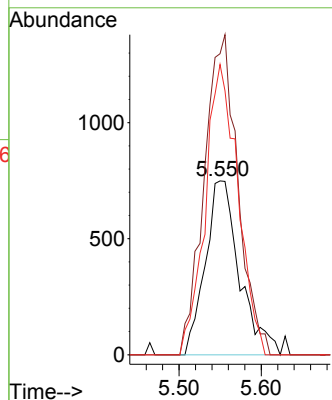
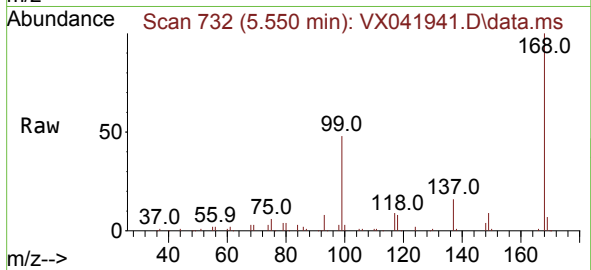




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

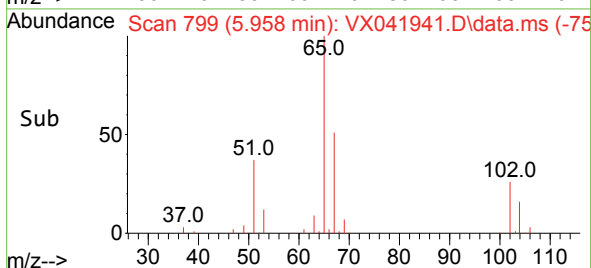
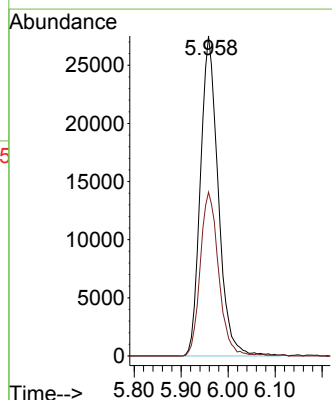
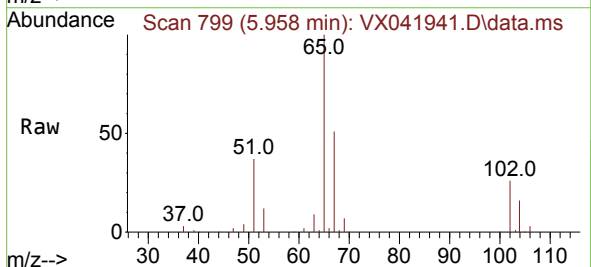
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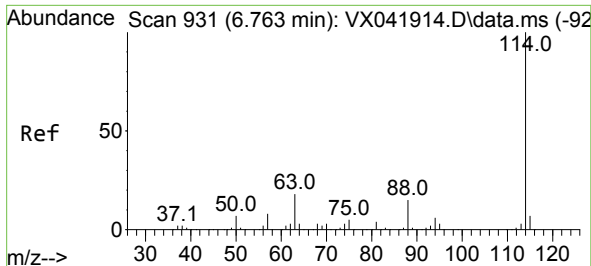
Tgt Ion: 56 Resp: 2168
Ion Ratio Lower Upper
56 100
69 173.2 23.4 35.2#
84 167.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.523 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

Tgt Ion: 65 Resp: 72405
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2

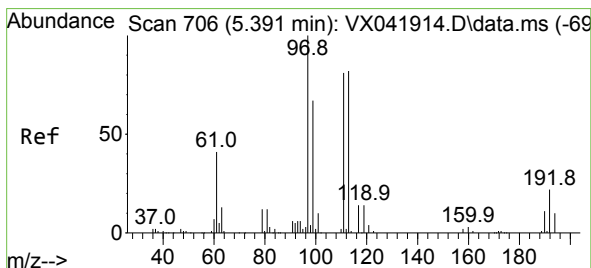
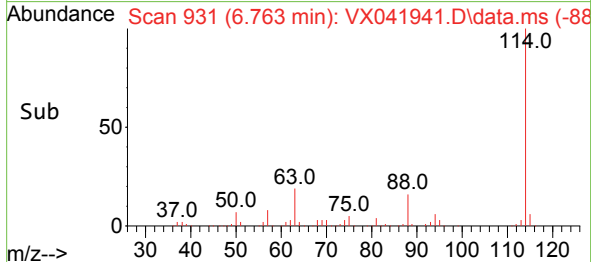
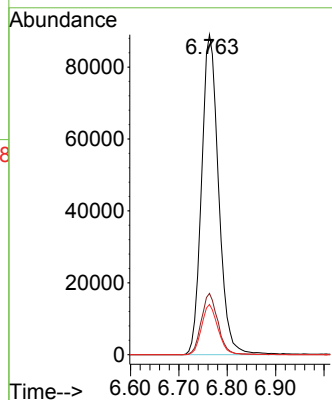
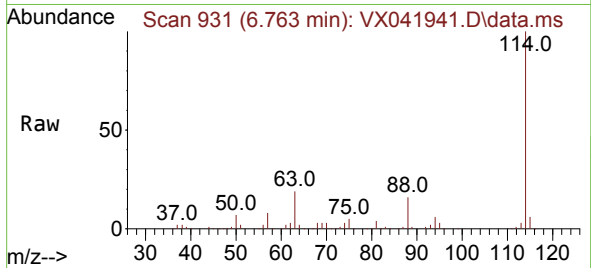




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

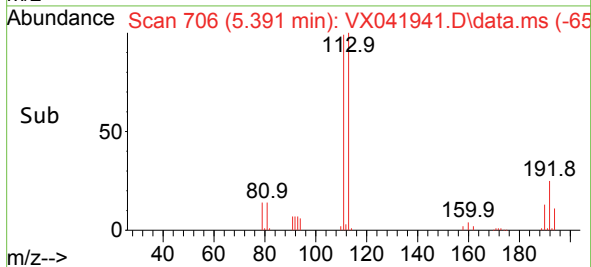
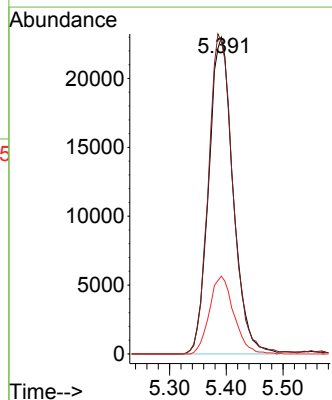
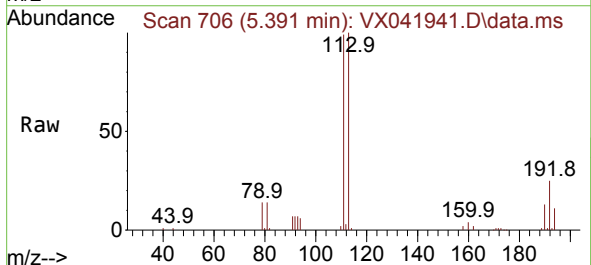
Instrument :
MSVOA_X
ClientSampleId :
IBLK

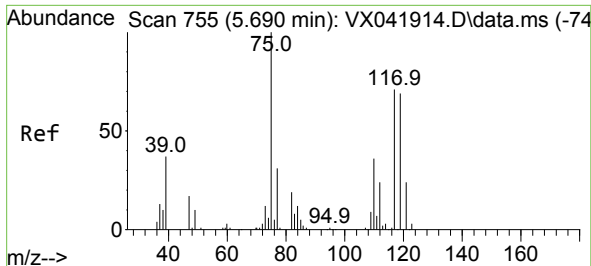
Tgt Ion:114 Resp: 217508
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.433 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

Tgt Ion:113 Resp: 68575
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 24.7 13.3 19.9#

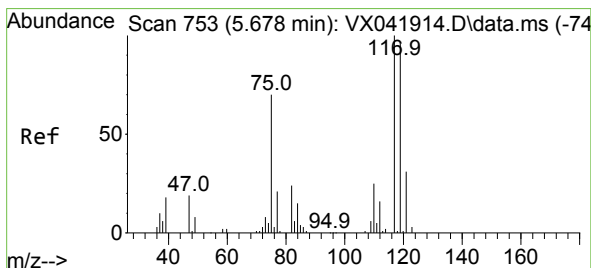
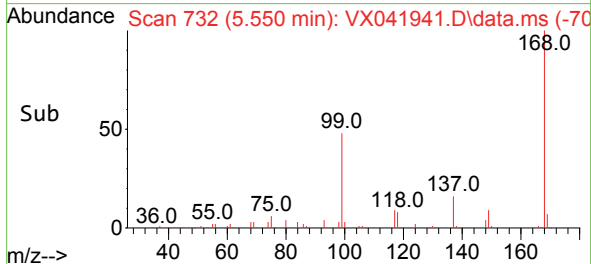
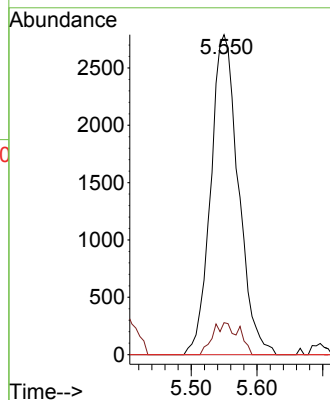
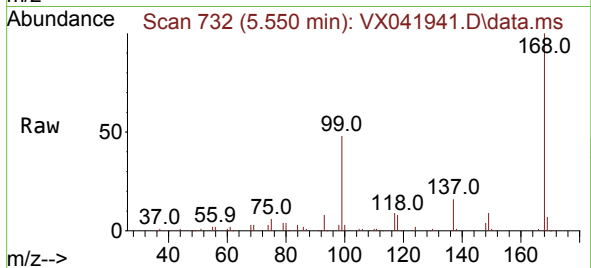




#36
1,1-Dichloropropene
Concen: 4.991 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

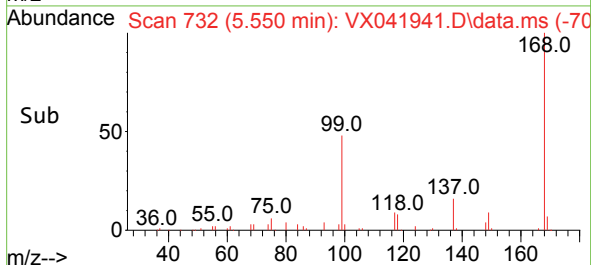
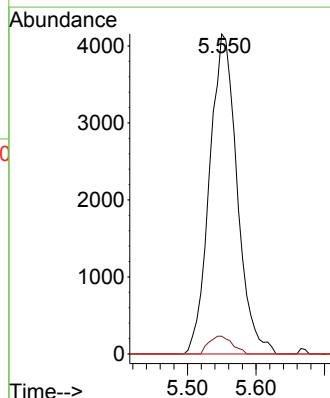
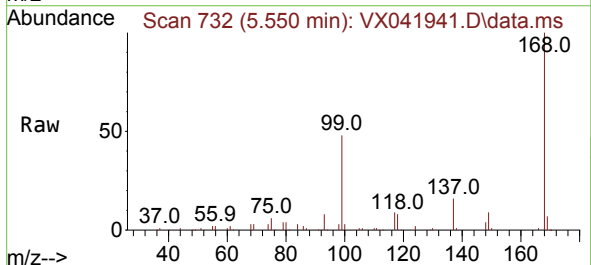
Instrument :
MSVOA_X
ClientSampleId :
IBLK

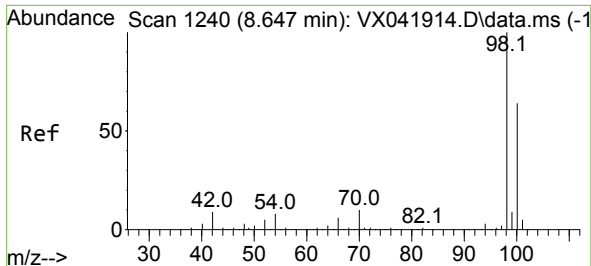
Tgt Ion: 75 Resp: 8179
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.414 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

Tgt Ion: 117 Resp: 11615
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#

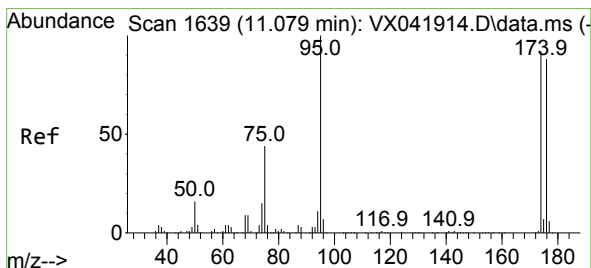
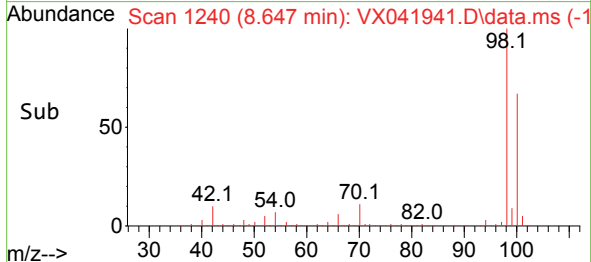
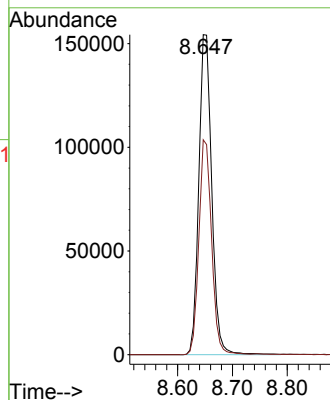
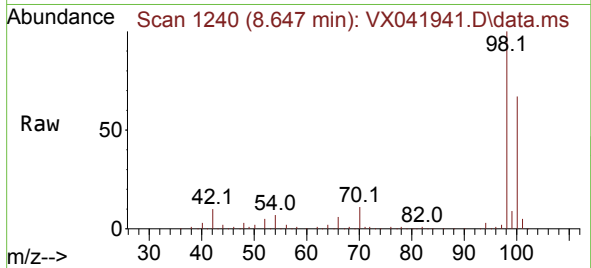




#50
Toluene-d8
Concen: 46.830 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

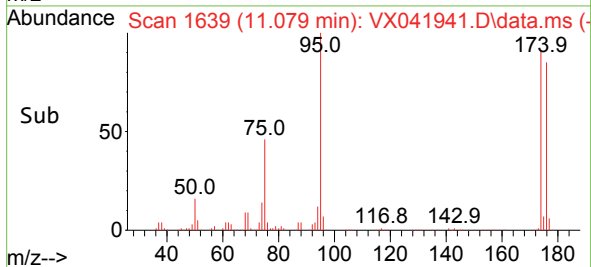
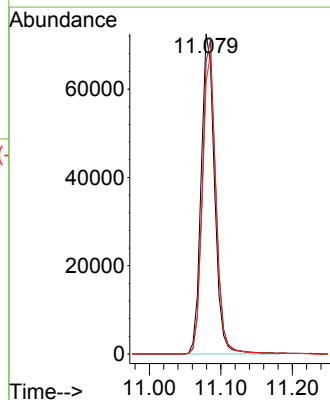
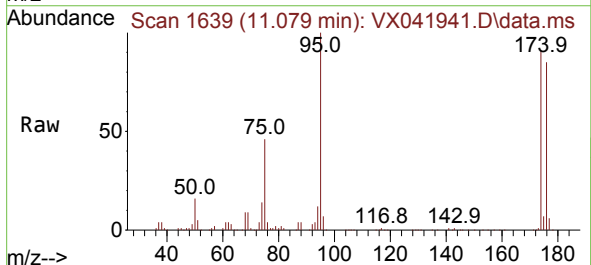
Instrument :
MSVOA_X
ClientSampleId :
IBLK

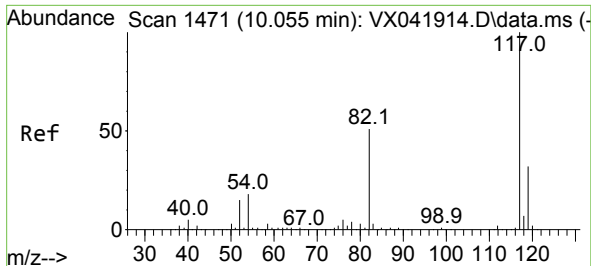
Tgt Ion: 98 Resp: 253906
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 47.351 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

Tgt Ion: 95 Resp: 94637
Ion Ratio Lower Upper
95 100
174 98.7 0.0 135.6
176 94.6 0.0 131.0

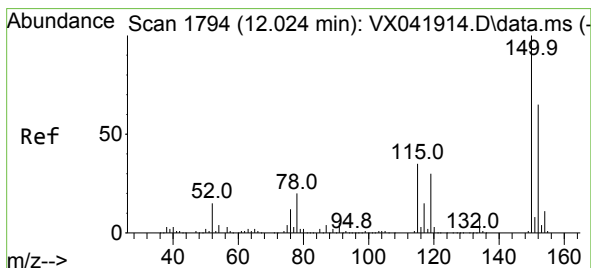
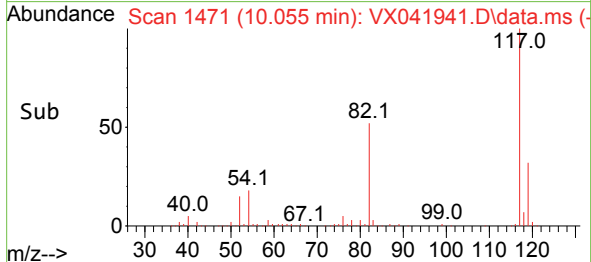
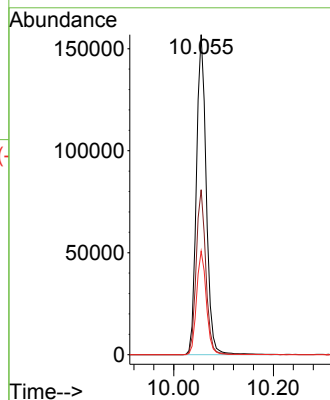
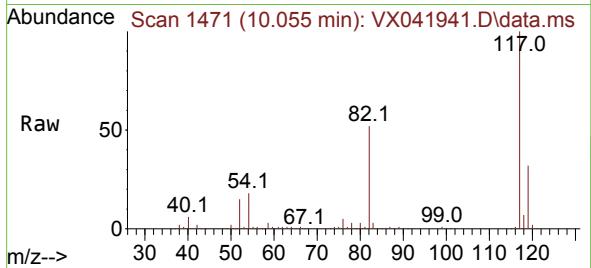




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

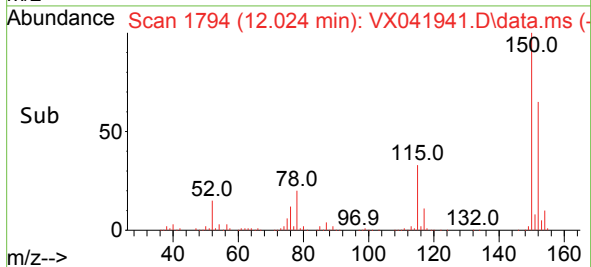
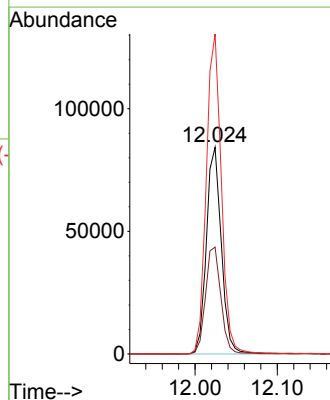
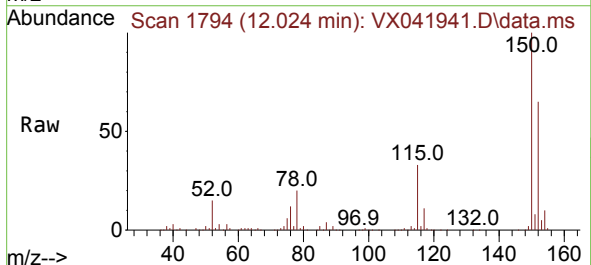
Instrument :
MSVOA_X
ClientSampleId :
IBLK

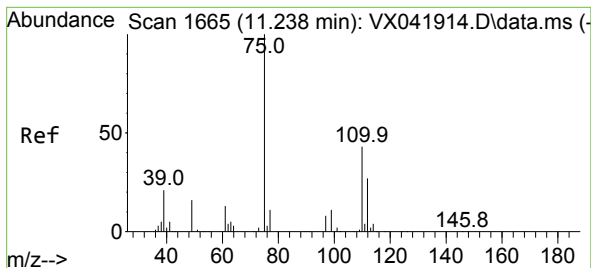
Tgt Ion:117 Resp: 214713
Ion Ratio Lower Upper
117 100
82 51.5 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041941.D
Acq: 19 Jun 2024 12:20

Tgt Ion:152 Resp: 106458
Ion Ratio Lower Upper
152 100
115 53.4 43.3 129.9
150 156.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.673 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041941.D

Acq: 19 Jun 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

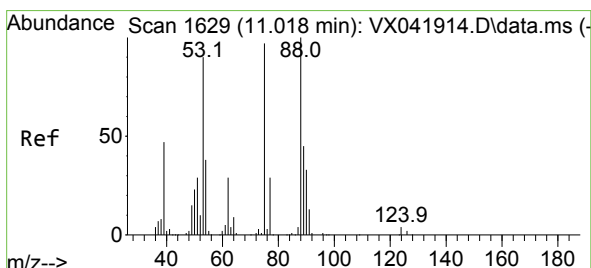
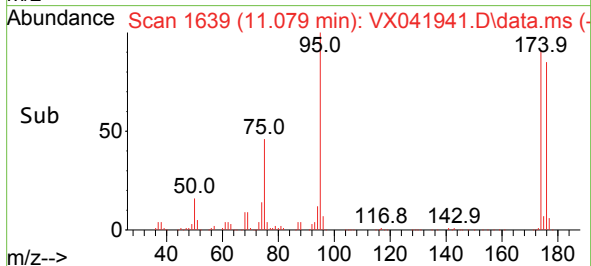
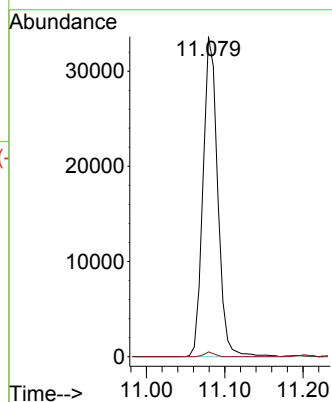
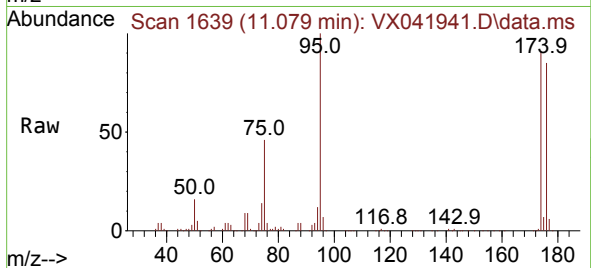
IBLK

Tgt Ion: 75 Resp: 43818

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.388 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041941.D

Acq: 19 Jun 2024 12:20

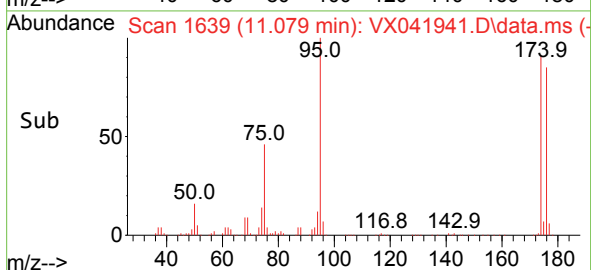
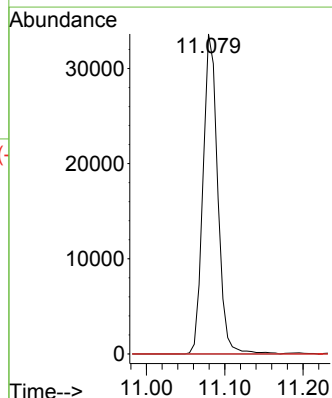
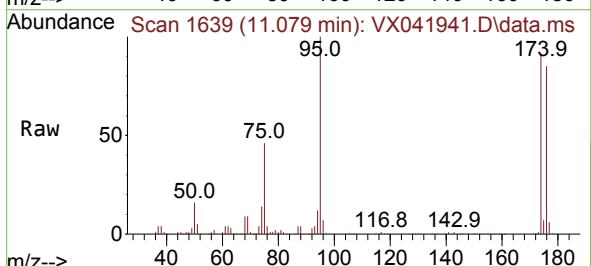
Tgt Ion: 75 Resp: 43818

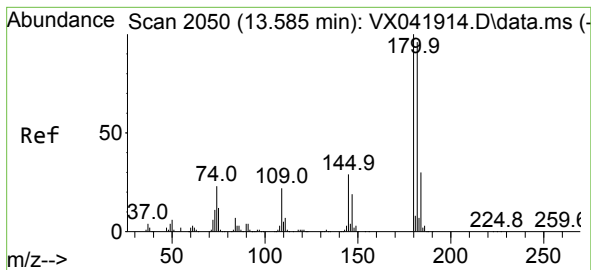
Ion Ratio Lower Upper

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: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041941.D

Acq: 19 Jun 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

IBLK

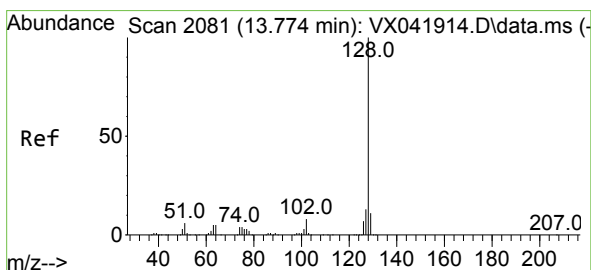
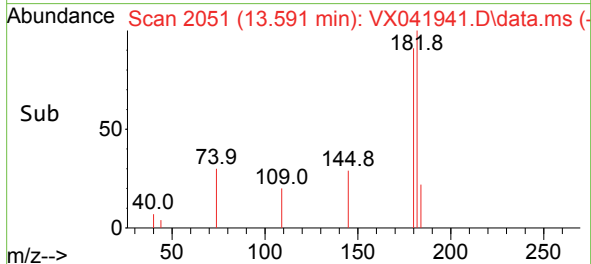
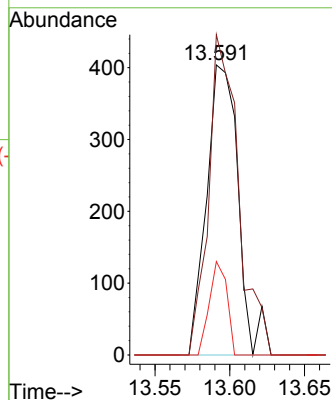
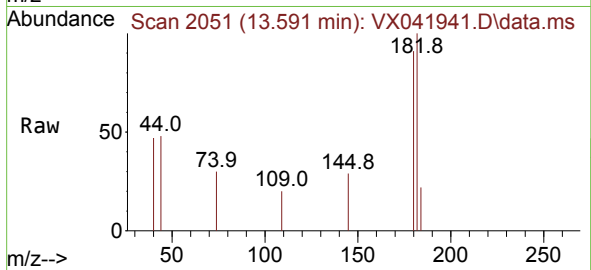
Tgt Ion:180 Resp: 594

Ion Ratio Lower Upper

180 100

182 104.0 48.3 144.8

145 17.8 18.0 54.0#



#95

Naphthalene

Concen: 1.062 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041941.D

Acq: 19 Jun 2024 12:20

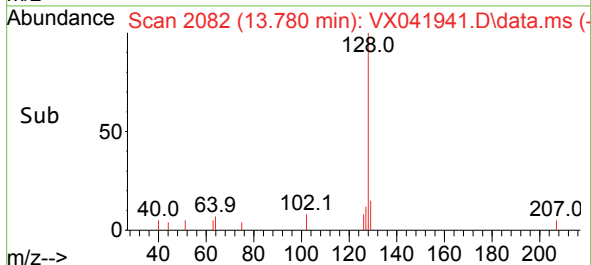
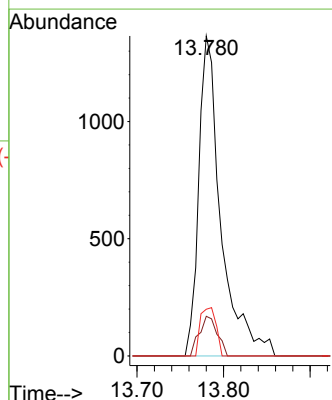
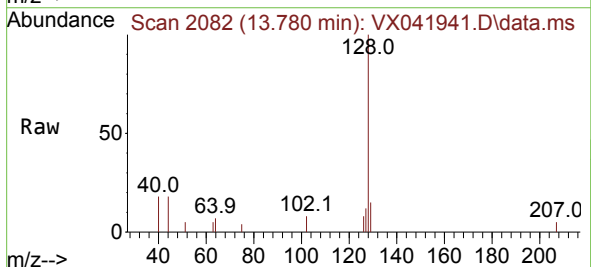
Tgt Ion:128 Resp: 2437

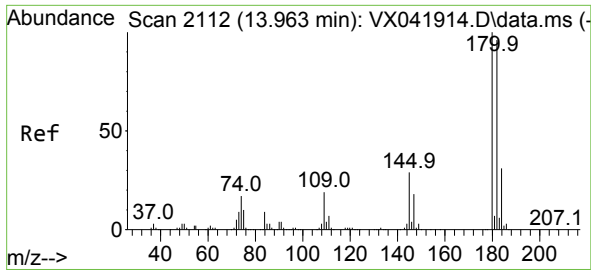
Ion Ratio Lower Upper

128 100

127 10.0 10.3 15.5#

129 10.7 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.242 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041941.D

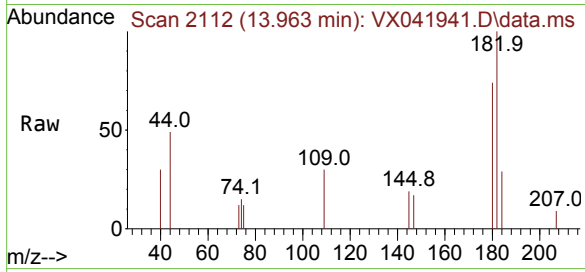
Acq: 19 Jun 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 579

Ion Ratio Lower Upper

180 100

182 108.6 46.9 140.6

145 25.4 17.8 53.5

