

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
 Data File : VX041968.D
 Acq On : 21 Jun 2024 10:01
 Operator : JC/MD
 Sample : VX0621MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 22 04:38:02 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)

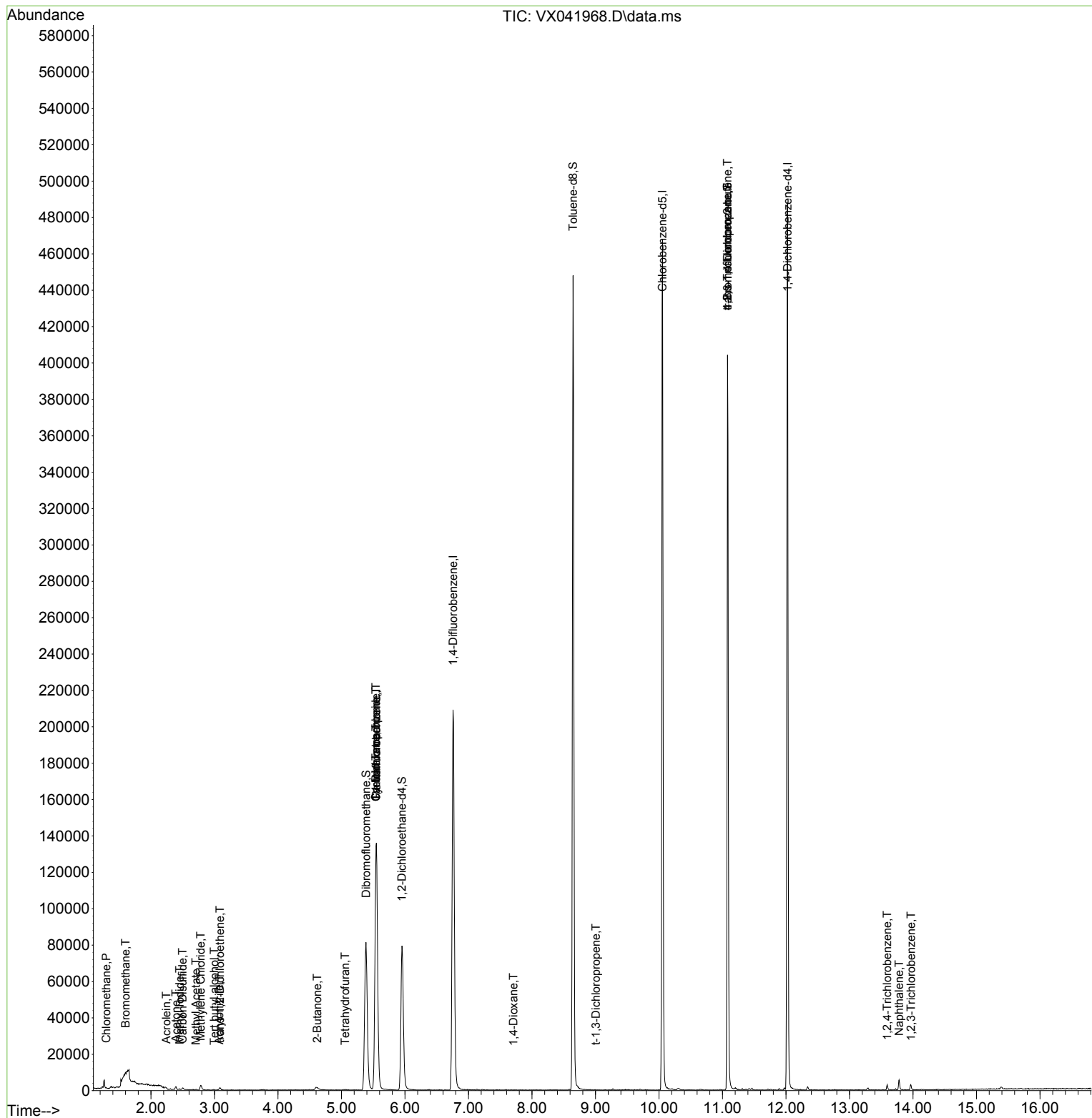
Internal Standards						
1) Pentafluorobenzene	5.550	168	150834	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	232586	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76997	44.269	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.540%
35) Dibromofluoromethane	5.385	113	72461	43.907	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.820%
50) Toluene-d8	8.647	98	275853	47.580	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.160%
62) 4-Bromofluorobenzene	11.079	95	105687	49.452	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.900%
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	351	0.243	ug/l	# 80
5) Bromomethane	1.599	94	717	1.005	ug/l	93
6) Chloroethane	1.660	64	492	Below Cal		98
10) Methyl Iodide	2.453	142	447	0.276	ug/l	# 59
11) Tert butyl alcohol	2.995	59	246	0.745	ug/l	# 78
13) Acrolein	2.239	56	547	1.478	ug/l	90
15) Acrylonitrile	3.075	53	699	0.811	ug/l	# 80
16) Acetone	2.392	43	1811	2.371	ug/l	90
17) Carbon Disulfide	2.496	76	1583	0.597	ug/l	98
18) Methyl Acetate	2.709	43	438	0.210	ug/l	# 78
20) Methylene Chloride	2.782	84	1526	0.913	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	326	0.247	ug/l	80
25) 2-Butanone	4.617	43	350	0.295	ug/l	# 51
29) Tetrahydrofuran	5.056	42	286	0.373	ug/l	# 34
31) Cyclohexane	5.544	56	2242	1.102	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8949	5.106	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	12740	6.580	ug/l	# 16
49) 1,4-Dioxane	7.708	88	20	20.375	ug/l	# 12
53) t-1,3-Dichloropropene	9.007	75	93	0.937	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	48008	22.157	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	48008	62.924	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	1137	0.446	ug/l	88
95) Naphthalene	13.780	128	4638	1.282	ug/l	97
96) 1,2,3-Trichlorobenzene	13.969	180	1291	0.481	ug/l	85

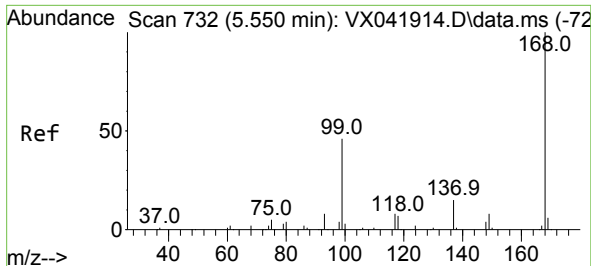
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

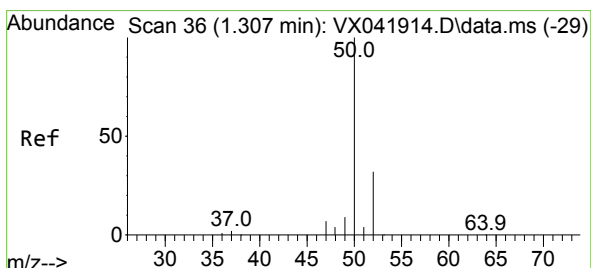
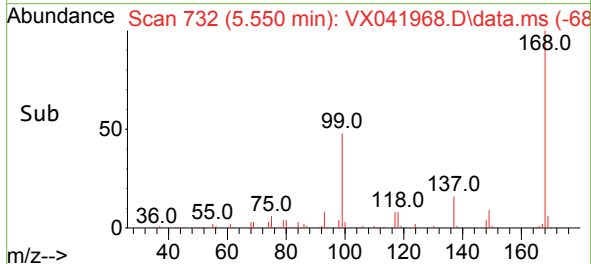
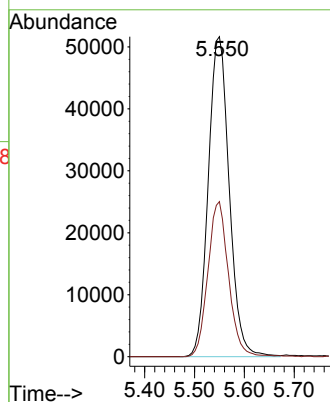
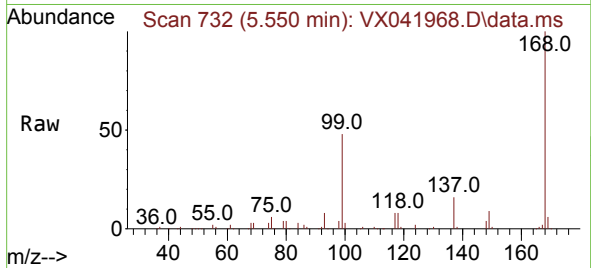




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

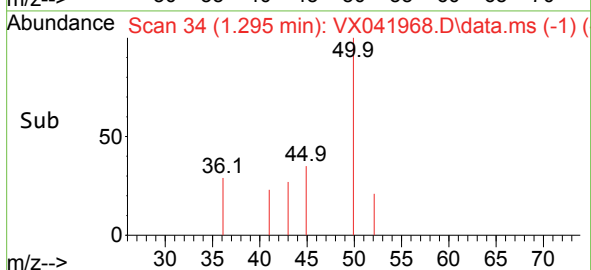
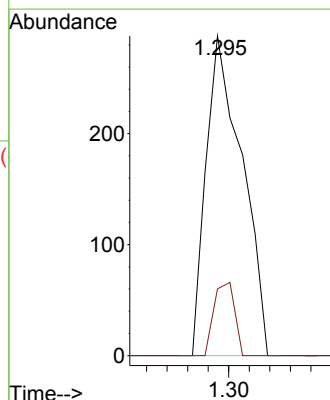
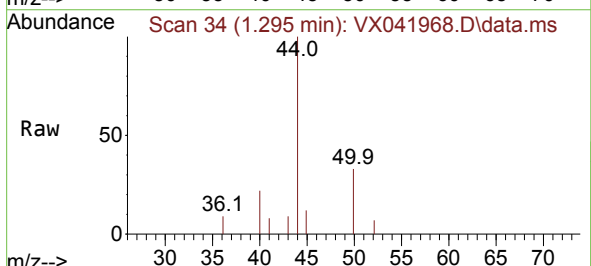
Instrument :
MSVOA_X
ClientSampleId :

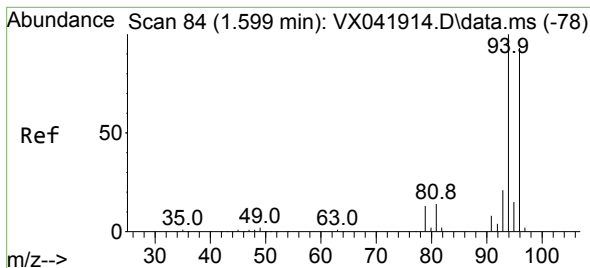
Tgt Ion:168 Resp: 150834
Ion Ratio Lower Upper
168 100
99 48.4 56.6 85.0#



#3
Chloromethane
Concen: 0.243 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

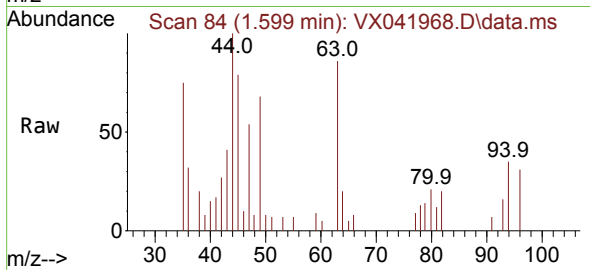
Tgt Ion: 50 Resp: 351
Ion Ratio Lower Upper
50 100
52 20.8 25.5 38.3#



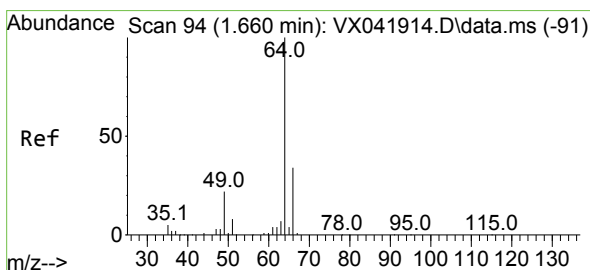
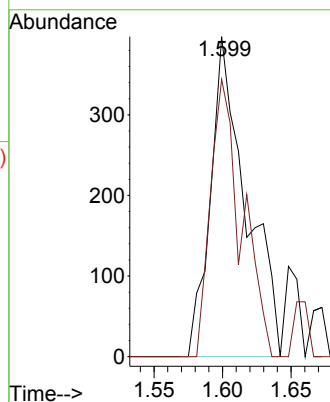
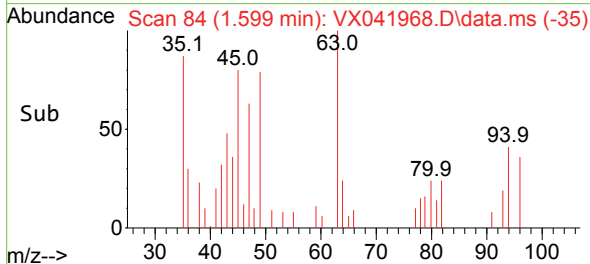


#5
Bromomethane
Concen: 1.005 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Instrument :
MSVOA_X
ClientSampleId :

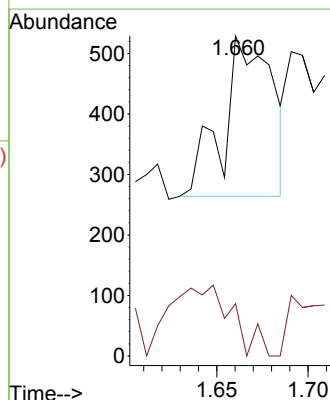
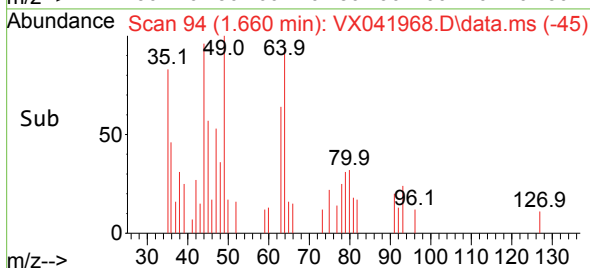
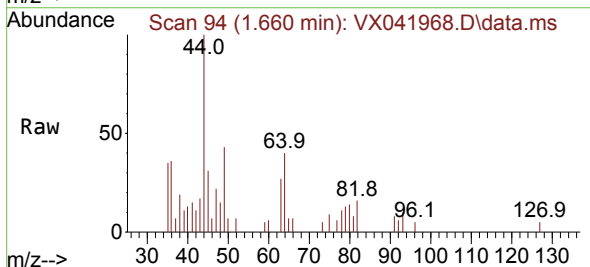


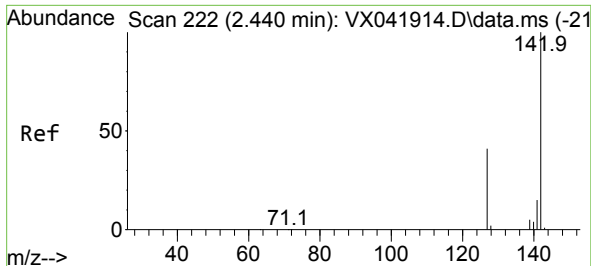
Tgt Ion: 94 Resp: 717
Ion Ratio Lower Upper
94 100
96 86.6 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

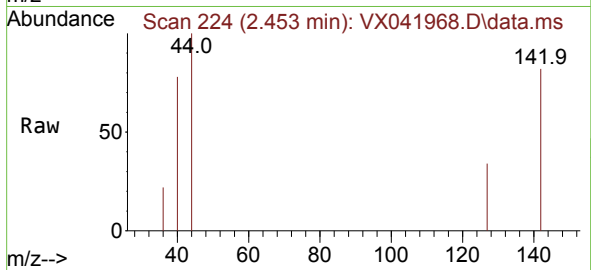
Tgt Ion: 64 Resp: 492
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7



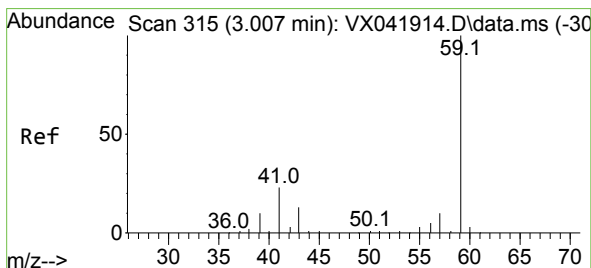
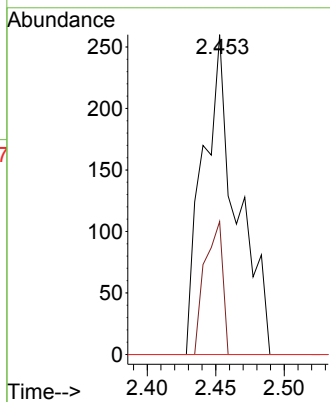
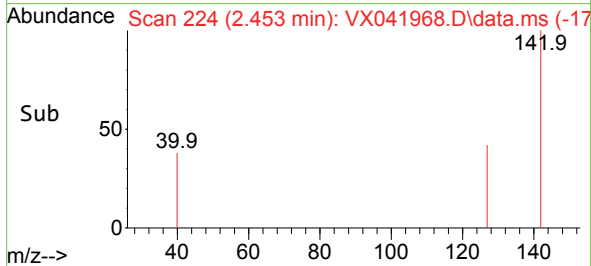


#10
Methyl Iodide
Concen: 0.276 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Instrument :
MSVOA_X
ClientSampleId :

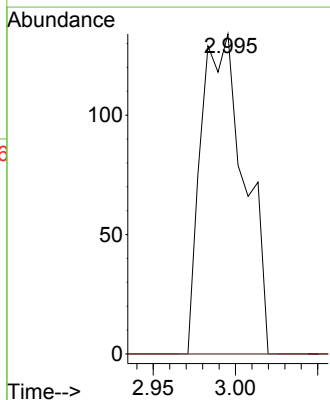
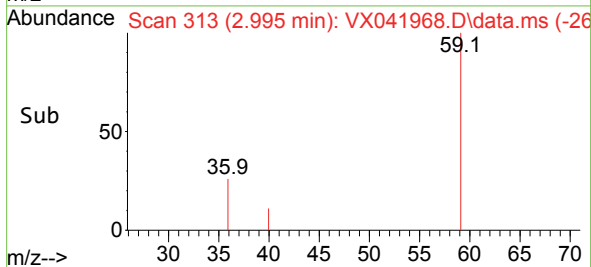
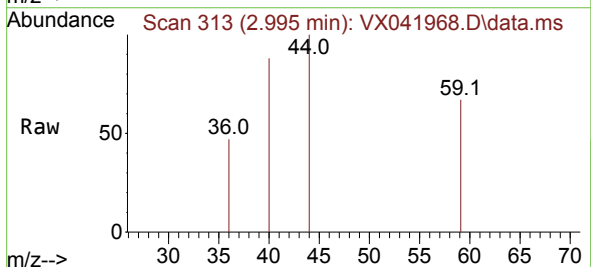


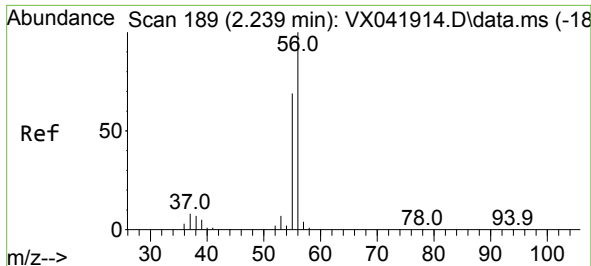
Tgt Ion:142 Resp: 447
Ion Ratio Lower Upper
142 100
127 21.9 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.745 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.012 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

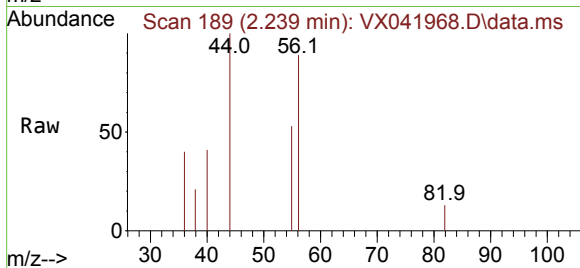
Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



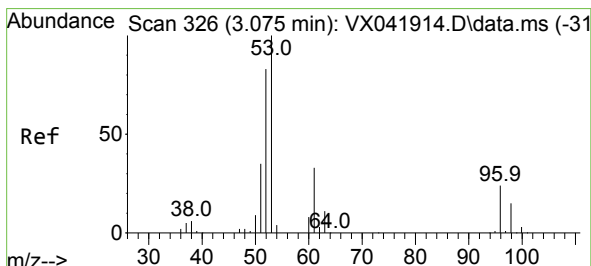
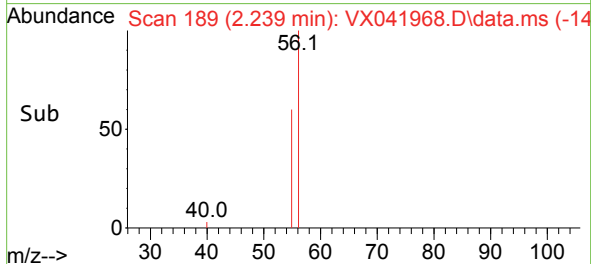
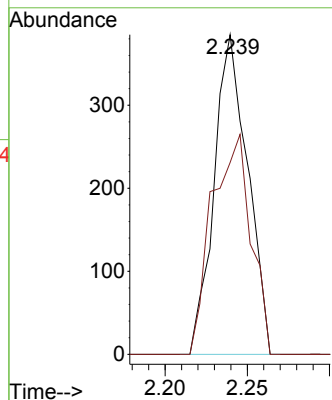


#13
Acrolein
Concen: 1.478 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Instrument :
MSVOA_X
ClientSampleId :

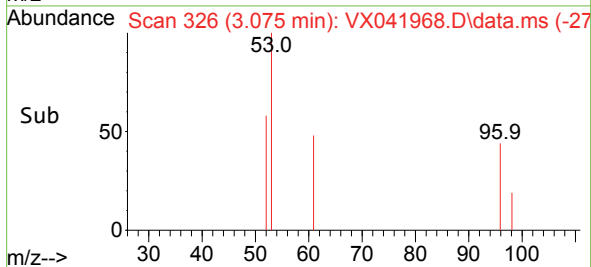
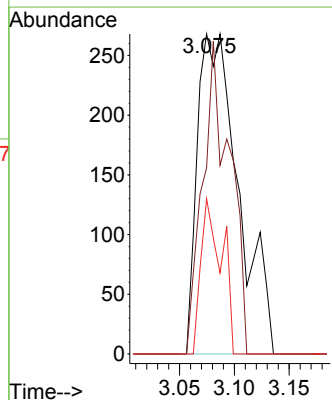
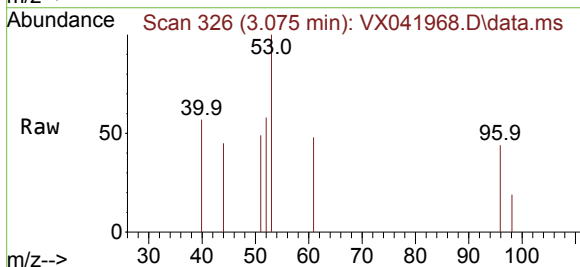


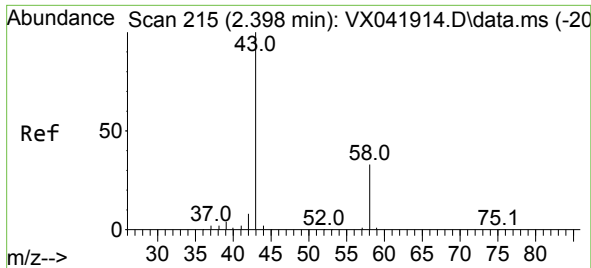
Tgt Ion: 56 Resp: 547
Ion Ratio Lower Upper
56 100
55 79.7 57.1 85.7



#15
Acrylonitrile
Concen: 0.811 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Tgt Ion: 53 Resp: 699
Ion Ratio Lower Upper
53 100
52 64.7 66.0 99.0#
51 24.7 29.8 44.6#

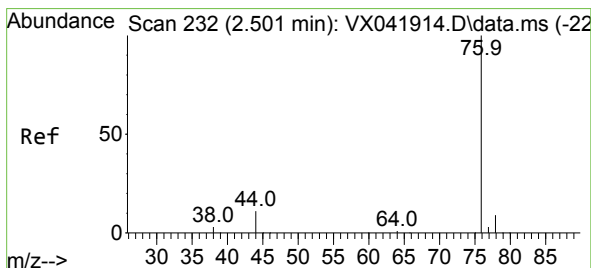
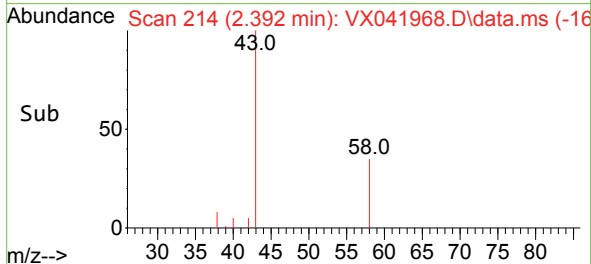
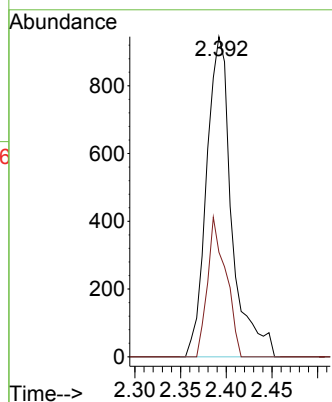
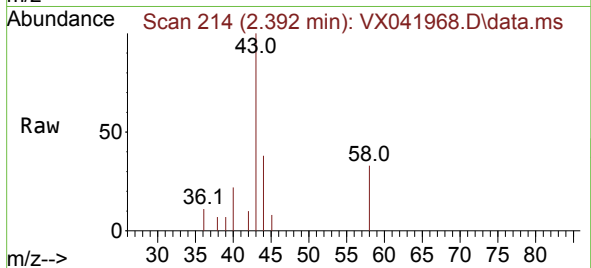




#16
Acetone
Concen: 2.371 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

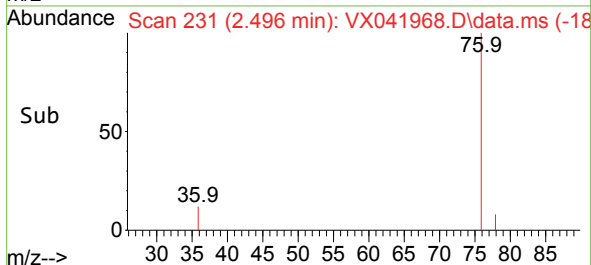
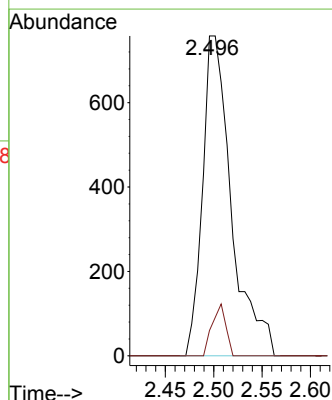
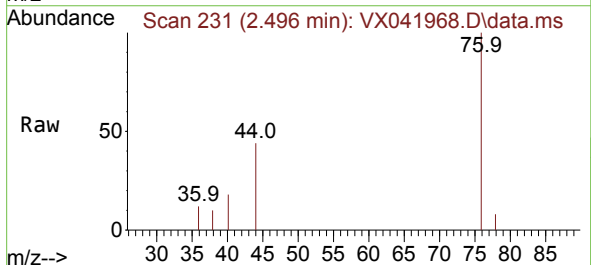
Instrument :
MSVOA_X
ClientSampleId :

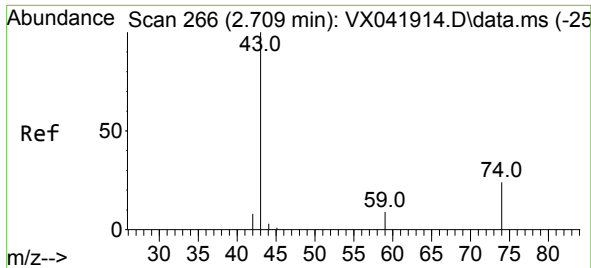
Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
58 32.7 21.9 32.9



#17
Carbon Disulfide
Concen: 0.597 ug/l
RT: 2.496 min Scan# 231
Delta R.T. -0.006 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Tgt Ion: 76 Resp: 1583
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6

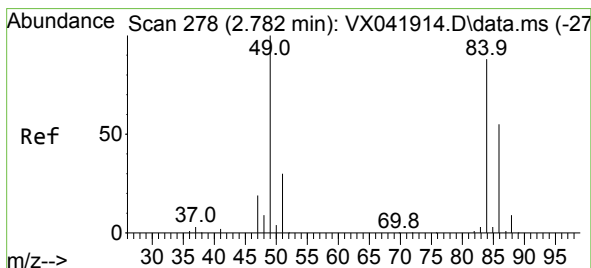
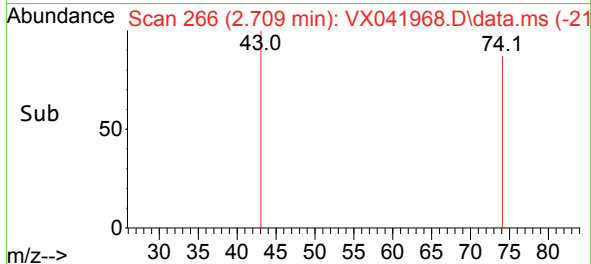
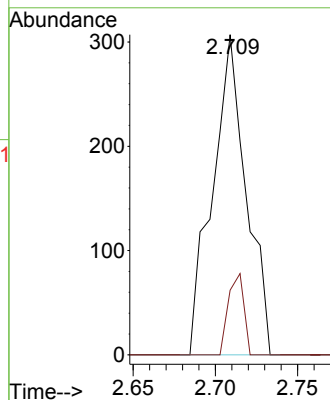
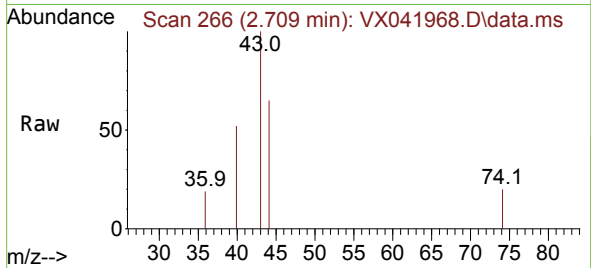




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

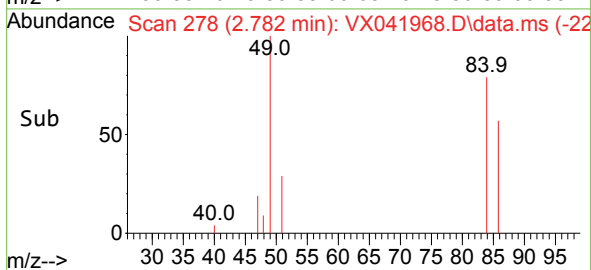
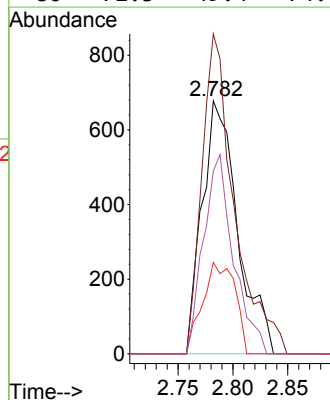
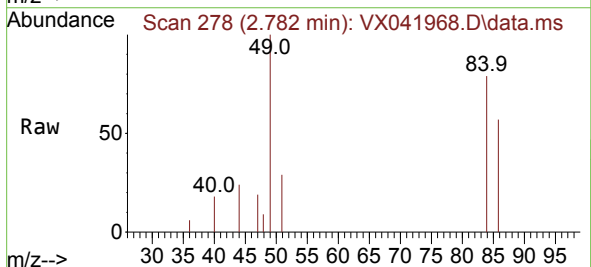
Instrument :
MSVOA_X
ClientSampleId :

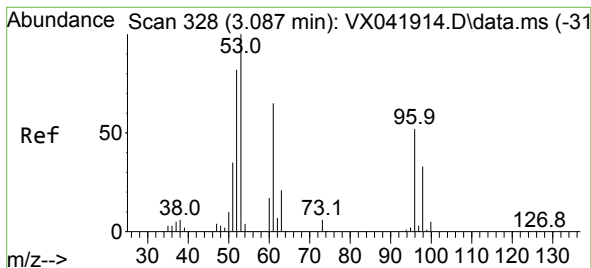
Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
74 11.6 17.8 26.8#



#20
Methylene Chloride
Concen: 0.913 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Tgt Ion: 84 Resp: 1526
Ion Ratio Lower Upper
84 100
49 126.4 103.6 155.4
51 36.1 33.8 50.6
86 72.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 0.247 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX041968.D

Acq: 21 Jun 2024 10:01

Instrument :

MSVOA_X

ClientSampleId :

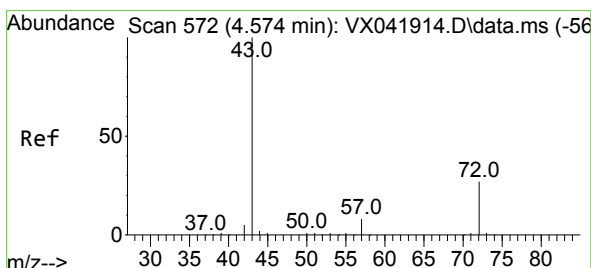
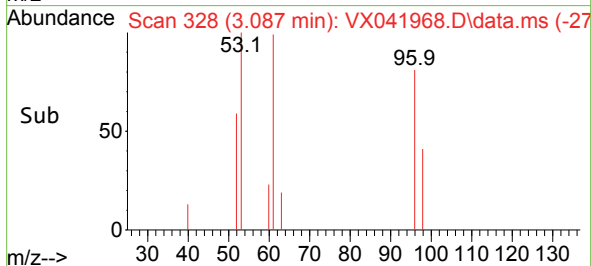
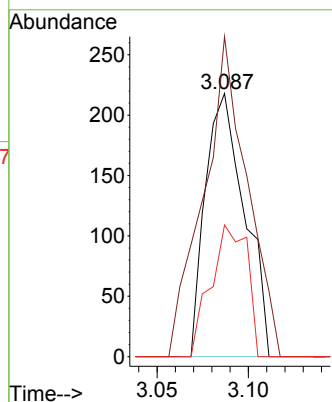
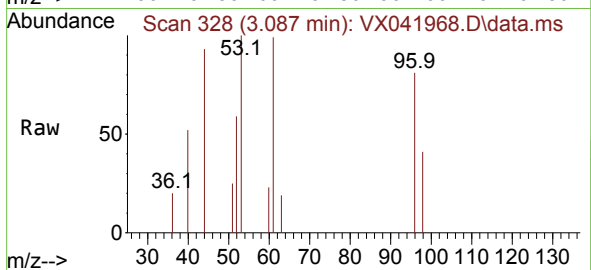
Tgt Ion: 96 Resp: 326

Ion Ratio Lower Upper

96 100

61 121.6 119.2 178.8

98 50.0 48.7 73.1



#25

2-Butanone

Concen: 0.295 ug/l

RT: 4.617 min Scan# 579

Delta R.T. 0.043 min

Lab File: VX041968.D

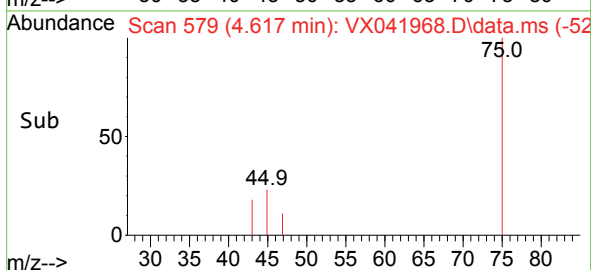
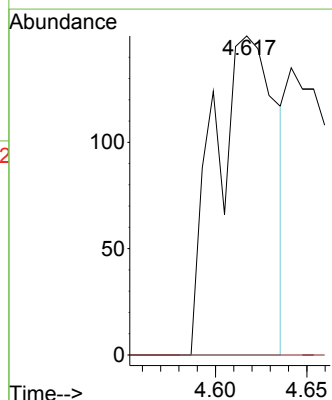
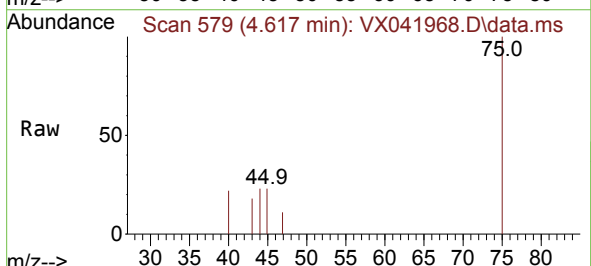
Acq: 21 Jun 2024 10:01

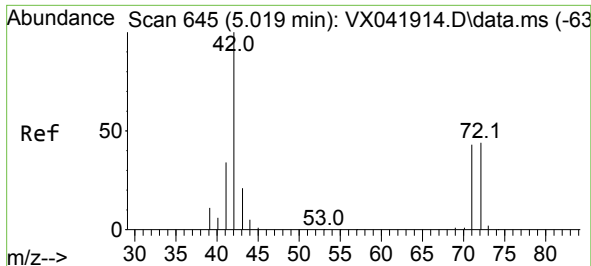
Tgt Ion: 43 Resp: 350

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.373 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.037 min

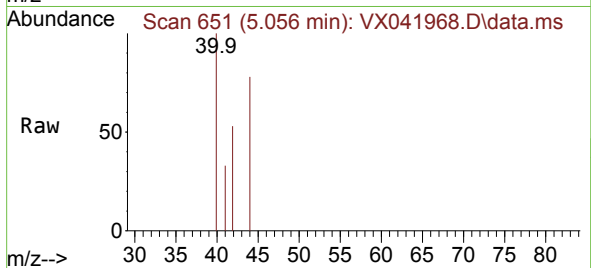
Lab File: VX041968.D

Acq: 21 Jun 2024 10:01

Instrument :

MSVOA_X

ClientSampleId :



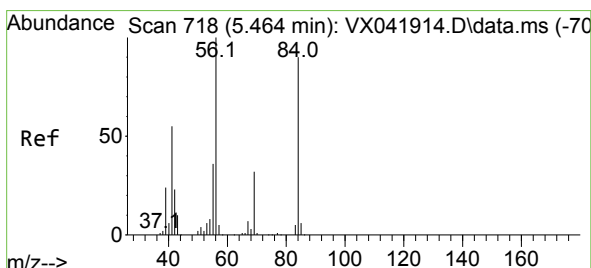
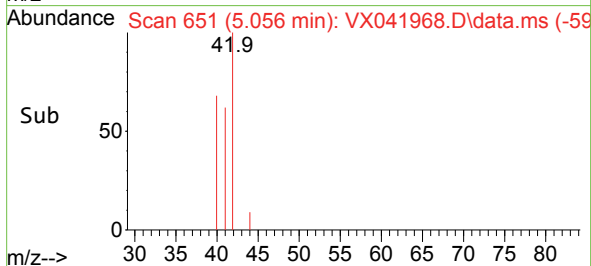
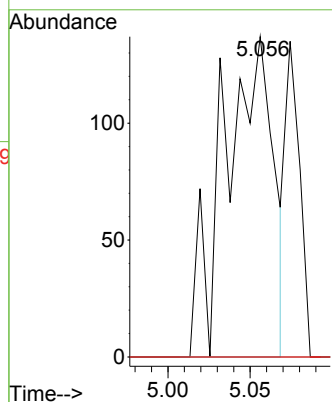
Tgt Ion: 42 Resp: 286

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.102 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041968.D

Acq: 21 Jun 2024 10:01

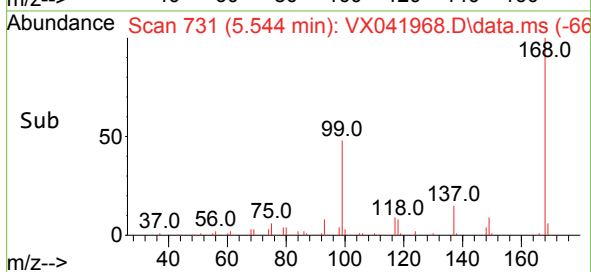
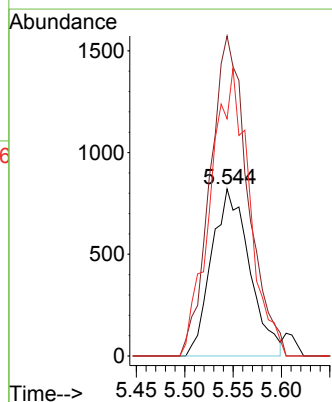
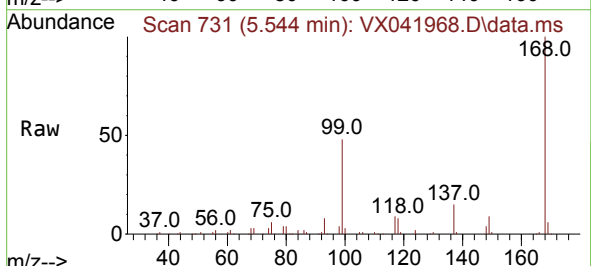
Tgt Ion: 56 Resp: 2242

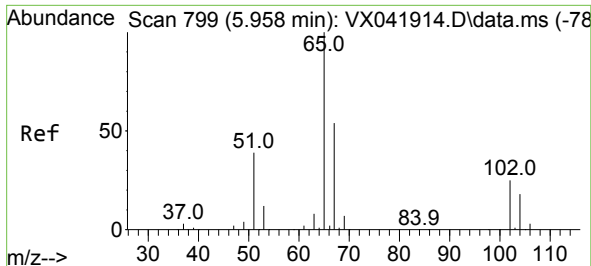
Ion Ratio Lower Upper

56 100

69 191.6 23.4 35.2#

84 142.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.269 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX041968.D

Acq: 21 Jun 2024 10:01

Instrument :

MSVOA_X

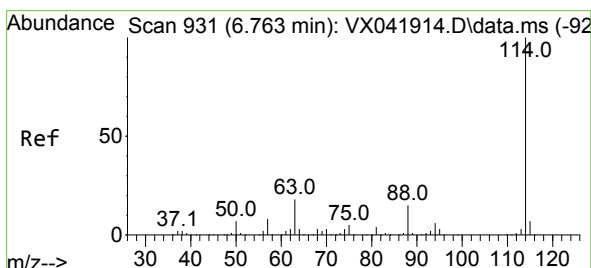
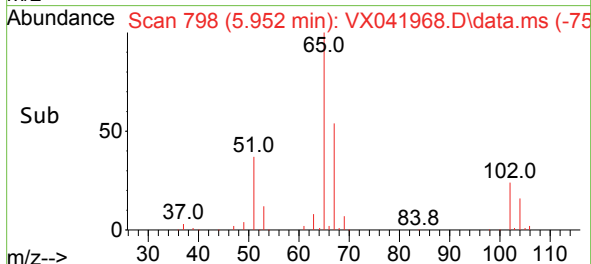
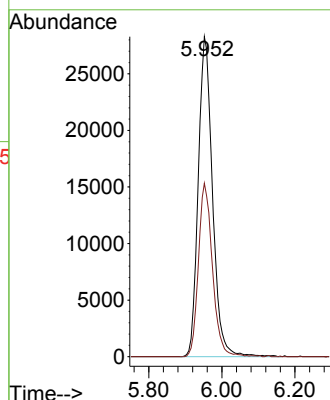
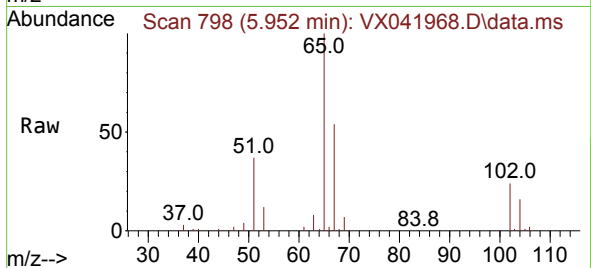
ClientSampleId :

Tgt Ion: 65 Resp: 76997

Ion Ratio Lower Upper

65 100

67 53.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX041968.D

Acq: 21 Jun 2024 10:01

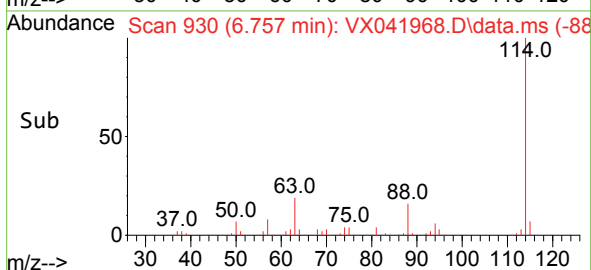
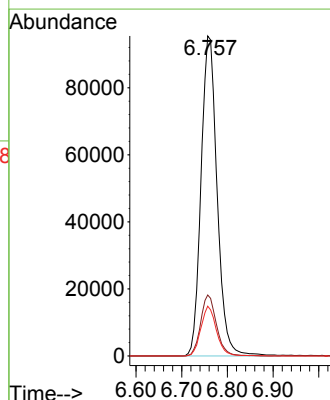
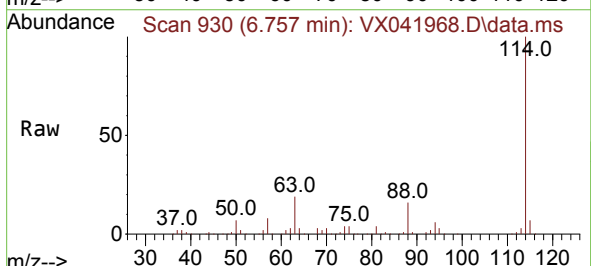
Tgt Ion: 114 Resp: 232586

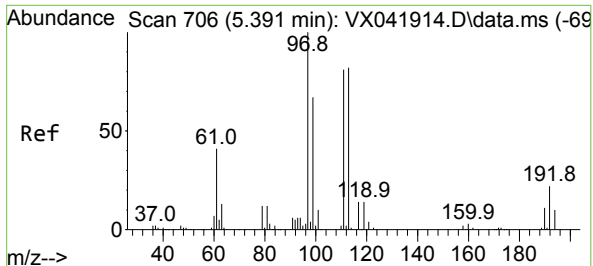
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

88 15.6 0.0 36.6

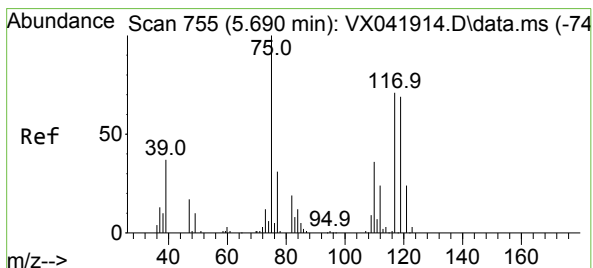
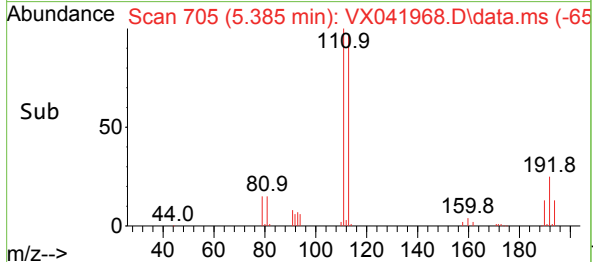
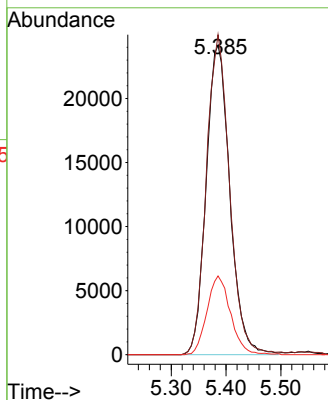
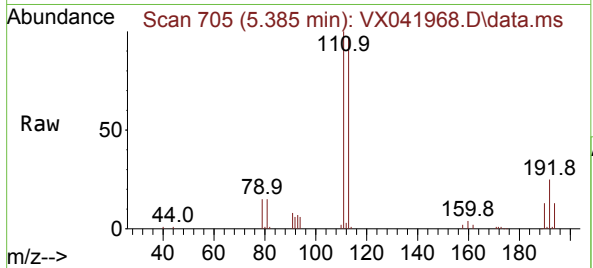




#35
Dibromofluoromethane
Concen: 43.907 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

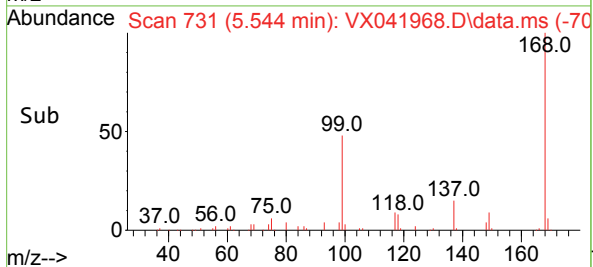
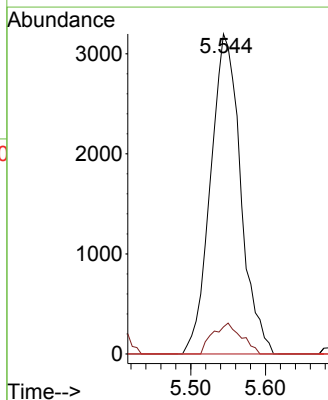
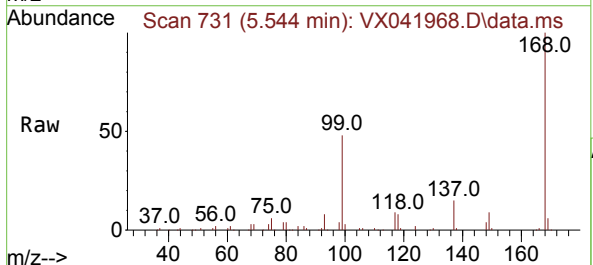
Instrument :
MSVOA_X
ClientSampleId :

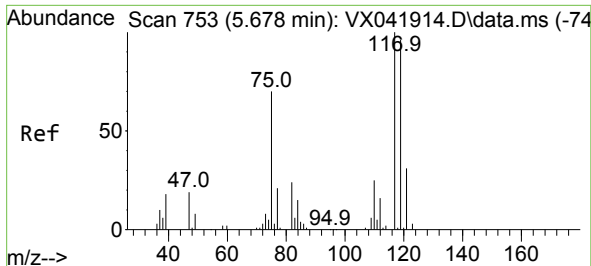
Tgt Ion:113 Resp: 72461
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 25.3 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.106 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

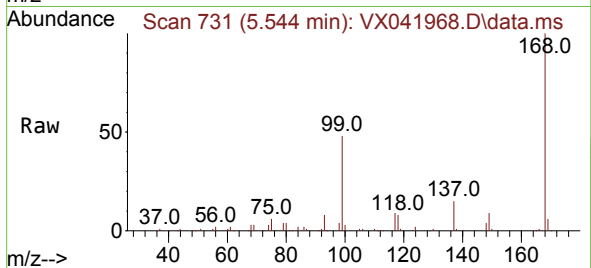
Tgt Ion: 75 Resp: 8949
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



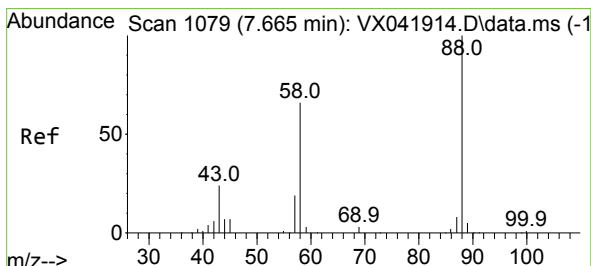
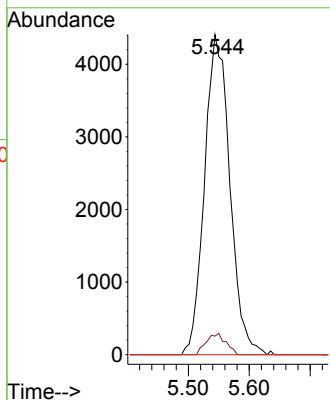
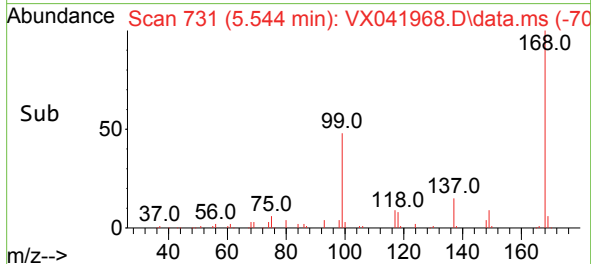


#38
Carbon Tetrachloride
Concen: 6.580 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Instrument :
MSVOA_X
ClientSampleId :

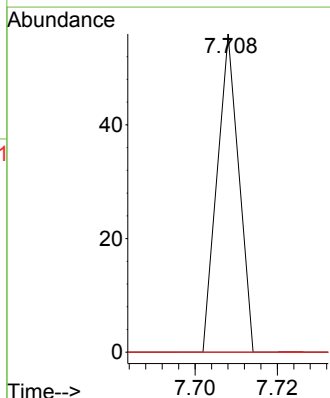
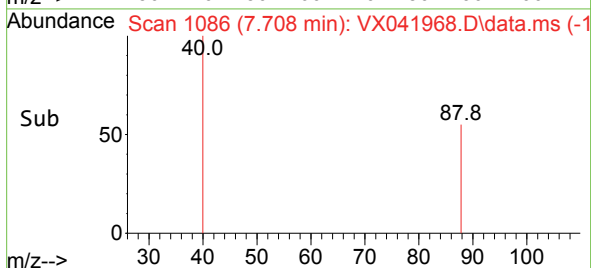
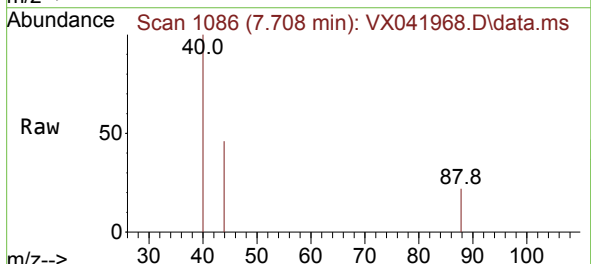


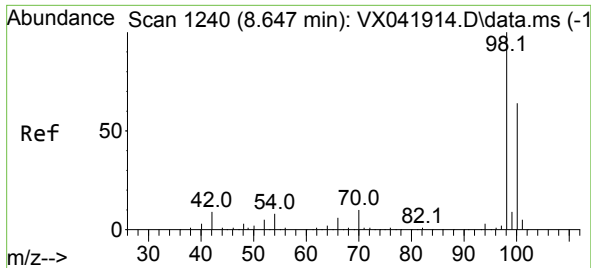
Tgt Ion:117 Resp: 12740
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 20.375 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.043 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

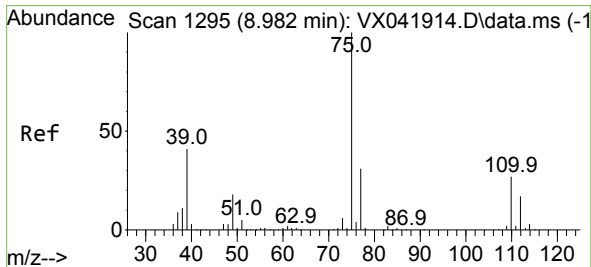
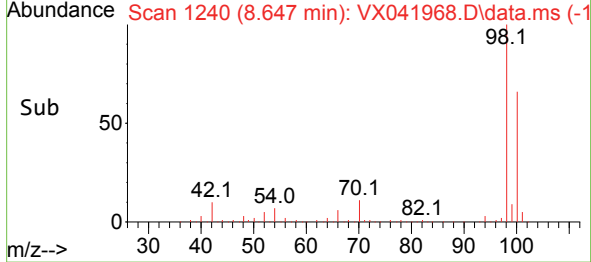
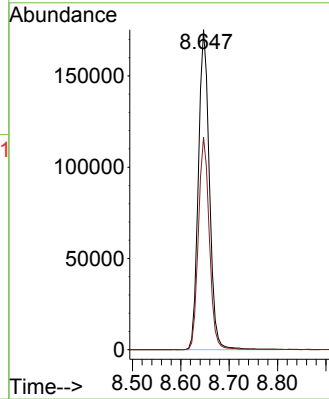
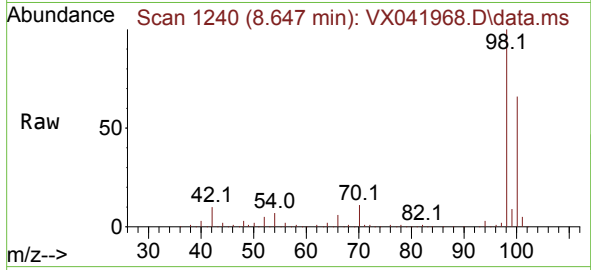




#50
Toluene-d8
Concen: 47.580 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

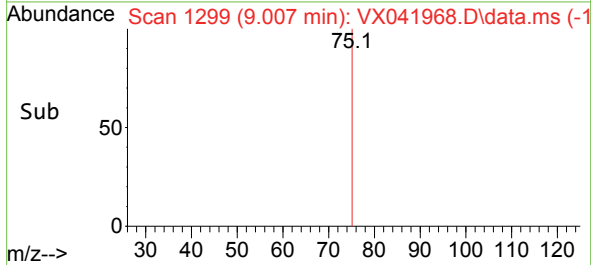
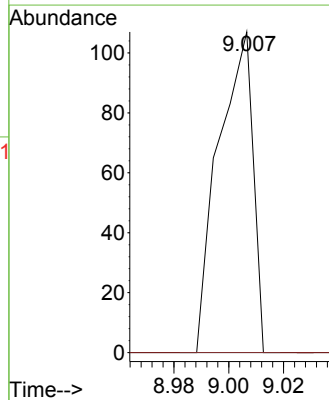
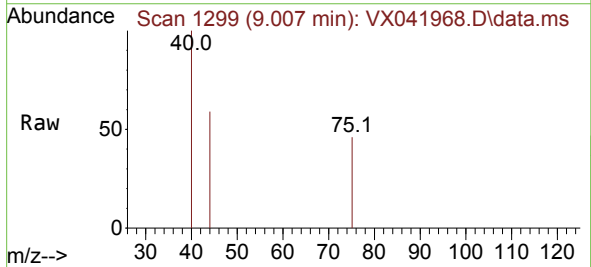
Instrument :
MSVOA_X
ClientSampleId :

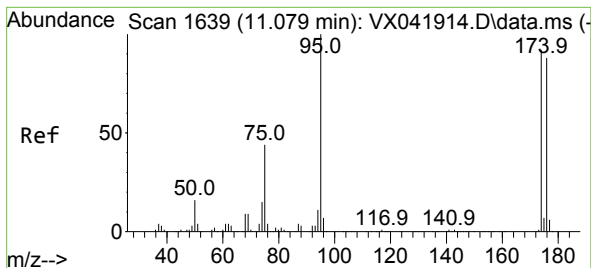
Tgt Ion: 98 Resp: 275853
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#53
t-1,3-Dichloropropene
Concen: 0.937 ug/l
RT: 9.007 min Scan# 1299
Delta R.T. 0.025 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Tgt Ion: 75 Resp: 93
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

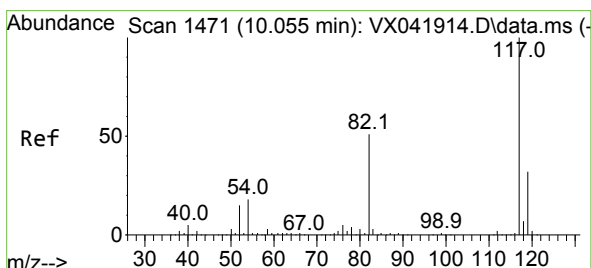
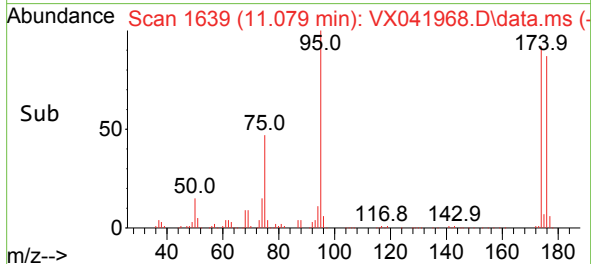
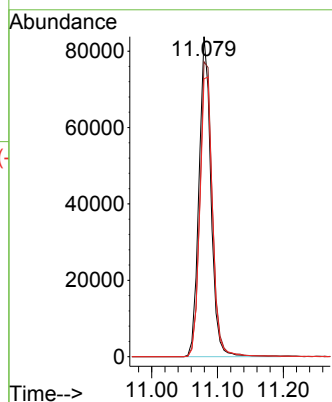
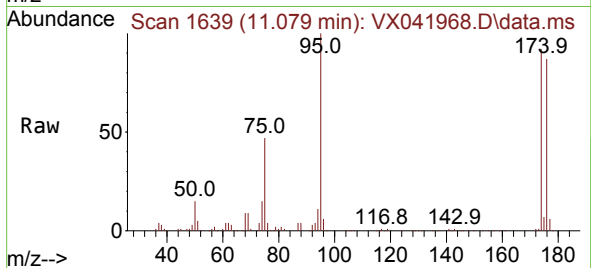




#62
4-Bromofluorobenzene
Concen: 49.452 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

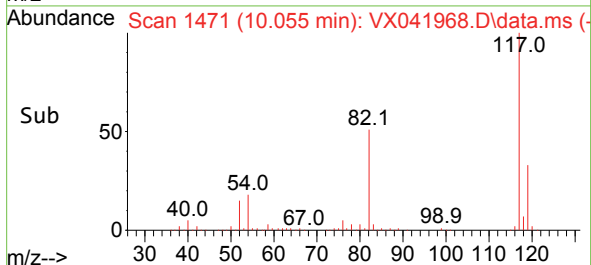
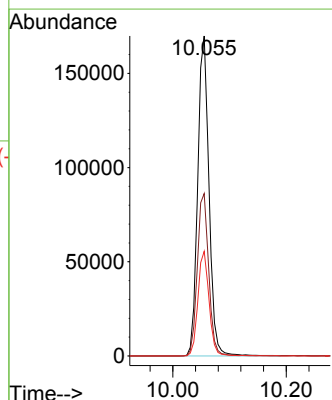
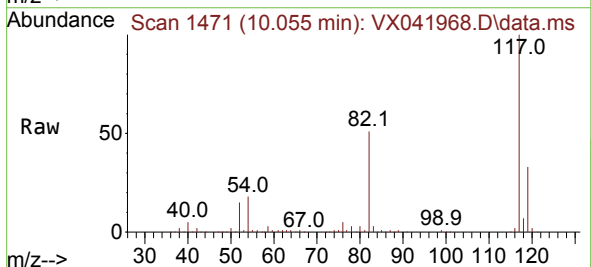
Instrument :
MSVOA_X
ClientSampleId :

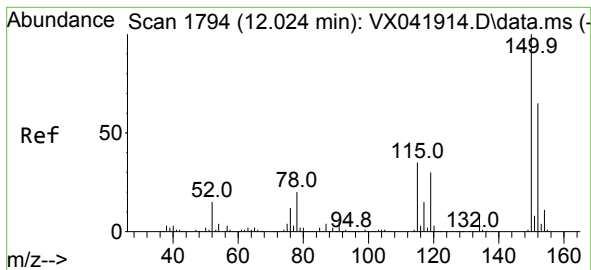
Tgt Ion: 95 Resp: 105687
Ion Ratio Lower Upper
95 100
174 97.0 0.0 135.6
176 93.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Tgt Ion: 117 Resp: 234125
Ion Ratio Lower Upper
117 100
82 50.8 46.2 69.4
119 32.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041968.D

Acq: 21 Jun 2024 10:01

Instrument :

MSVOA_X

ClientSampleId :

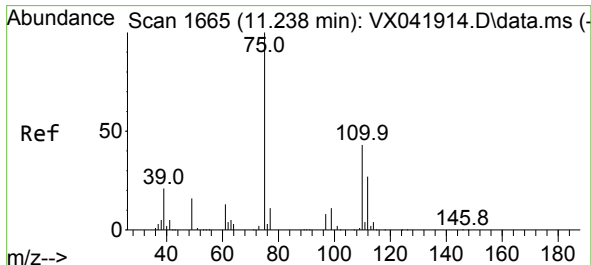
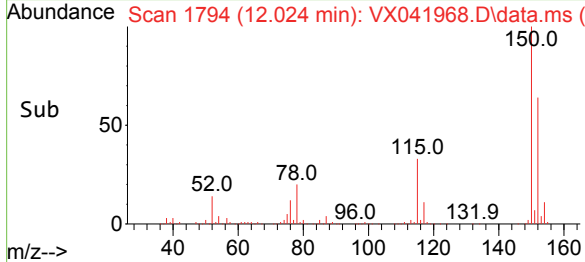
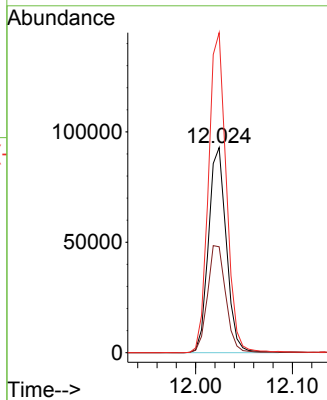
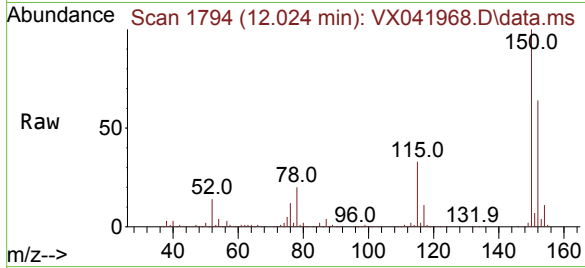
Tgt Ion:152 Resp: 119351

Ion Ratio Lower Upper

152 100

115 53.9 43.3 129.9

150 156.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.157 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041968.D

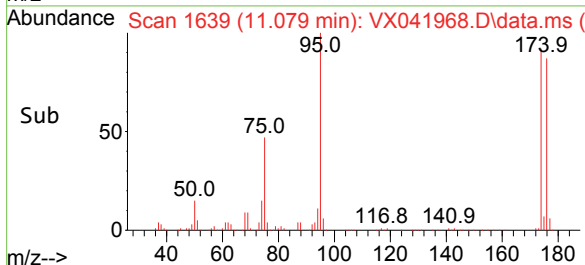
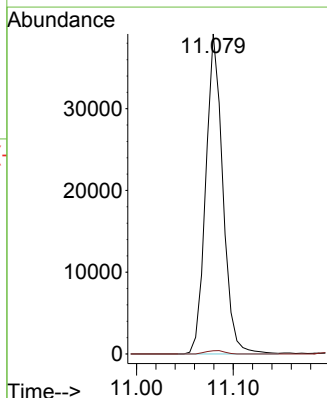
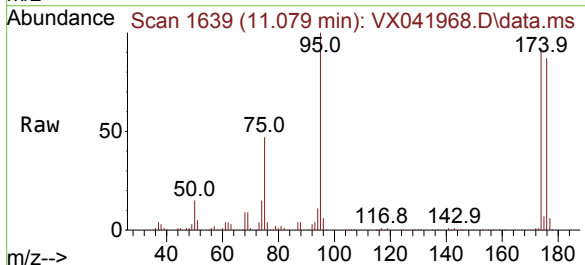
Acq: 21 Jun 2024 10:01

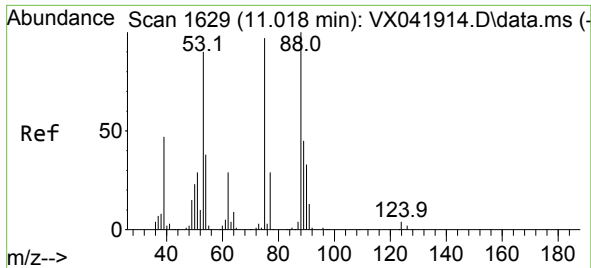
Tgt Ion: 75 Resp: 48008

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

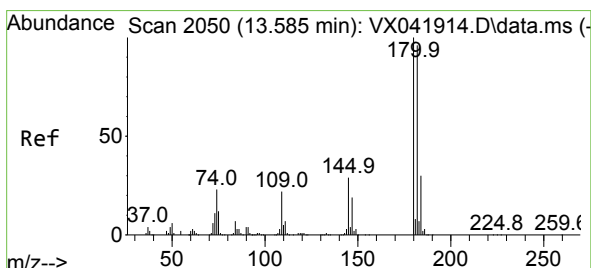
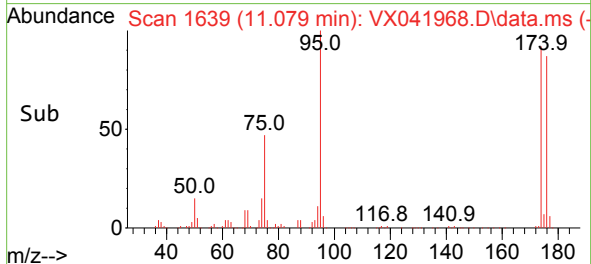
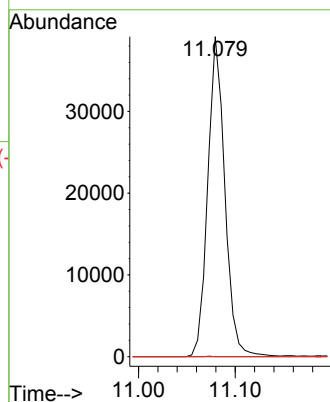
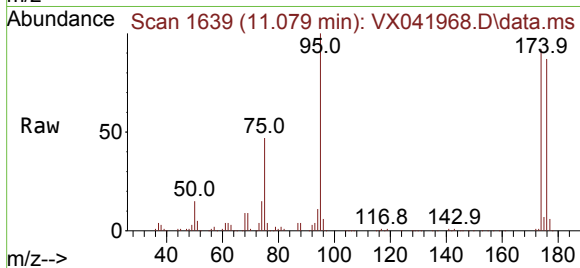




#81
trans-1,4-Dichloro-2-butene
Concen: 62.924 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

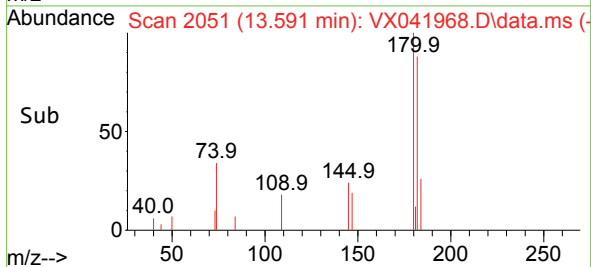
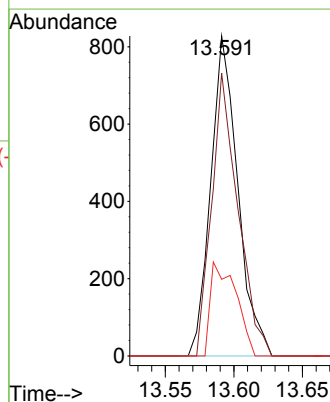
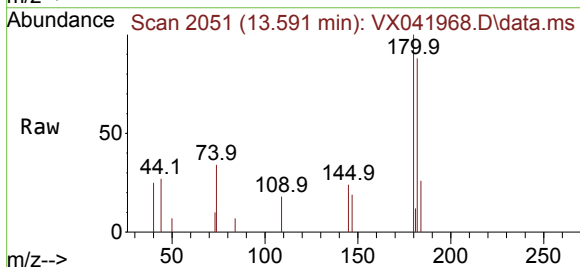
Instrument :
MSVOA_X
ClientSampleId :

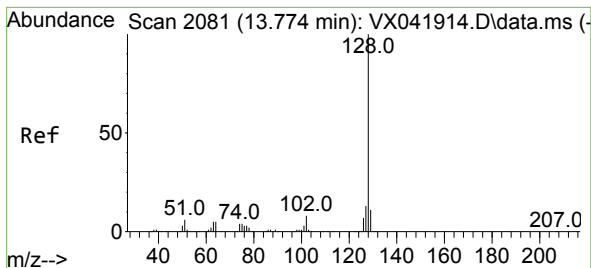
Tgt Ion: 75 Resp: 48008
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.446 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX041968.D
Acq: 21 Jun 2024 10:01

Tgt Ion: 180 Resp: 1137
Ion Ratio Lower Upper
180 100
182 85.7 48.3 144.8
145 27.7 18.0 54.0





#95

Naphthalene

Concen: 1.282 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX041968.D

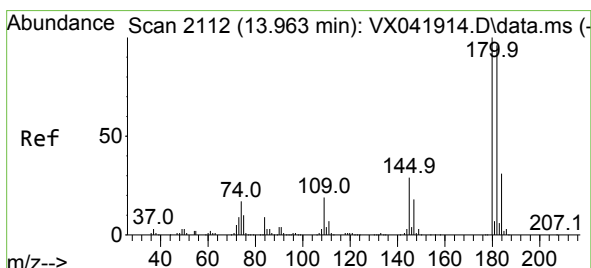
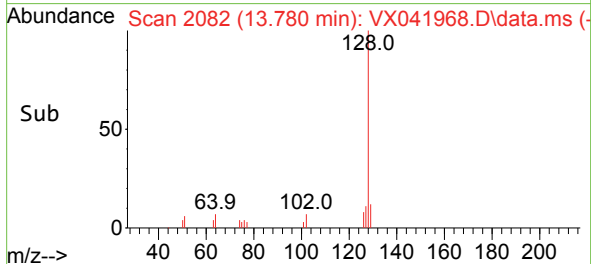
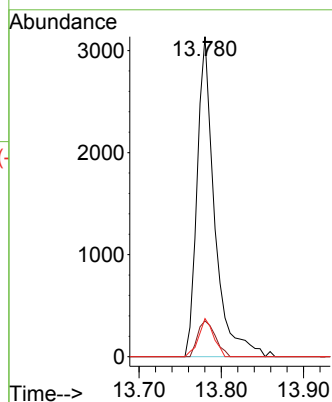
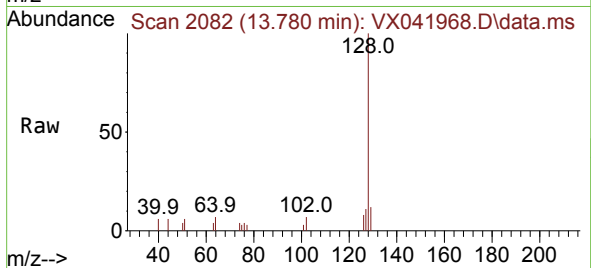
Acq: 21 Jun 2024 10:01

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	4638
Ion Ratio	Lower	Upper
128	100	
127	11.3	10.3 15.5
129	10.2	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.481 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX041968.D

Acq: 21 Jun 2024 10:01

Tgt Ion:180	Resp:	1291
Ion Ratio	Lower	Upper
180	100	
182	80.4	46.9 140.6
145	25.6	17.8 53.5

