

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041924\
 Data File : VX041174.D
 Acq On : 19 Apr 2024 13:41
 Operator : JC/MD
 Sample : P2121-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 01:30:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 02:04:44 2024
 Response via : Initial Calibration

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

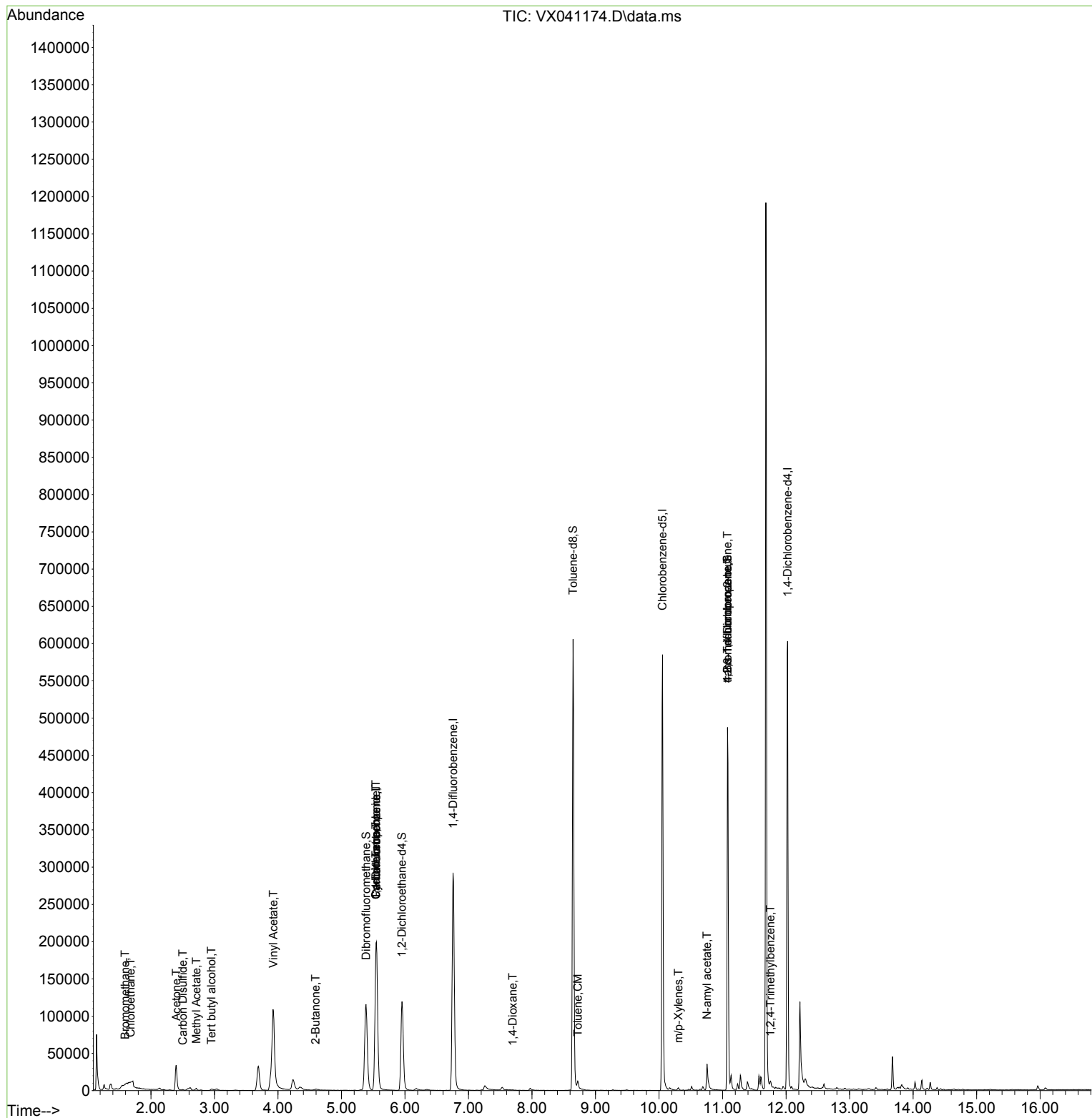
Internal Standards						
1) Pentafluorobenzene	5.550	168	224112	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	324242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	287852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	117509	48.565	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.140%
35) Dibromofluoromethane	5.385	113	102404	47.278	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.560%
50) Toluene-d8	8.647	98	370534	48.839	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.680%
62) 4-Bromofluorobenzene	11.079	95	125861	43.701	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	449	0.316	ug/l	# 54
6) Chloroethane	1.679	64	530	0.355	ug/l	# 43
11) Tert butyl alcohol	2.953	59	401	0.847	ug/l	# 78
16) Acetone	2.398	43	41381	40.688	ug/l	92
17) Carbon Disulfide	2.502	76	962	0.214	ug/l	# 76
18) Methyl Acetate	2.715	43	3146	1.239	ug/l	100
23) Vinyl Acetate	3.928	43	22204	3.999	ug/l	# 73
25) 2-Butanone	4.593	43	1578	0.988	ug/l	96
31) Cyclohexane	5.544	56	3368	1.124	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	13142	4.792	ug/l	# 50
38) Carbon Tetrachloride	5.544	117	19408	6.104	ug/l	# 17
49) 1,4-Dioxane	7.696	88	106	1.911	ug/l	# 83
52) Toluene	8.720	92	3583	0.656	ug/l	100
68) m/p-Xylenes	10.305	106	928	0.235	ug/l	90
74) N-amyl acetate	10.756	43	8381	2.506	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	60546	25.991	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	60546	66.324	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	3627	0.517	ug/l	96

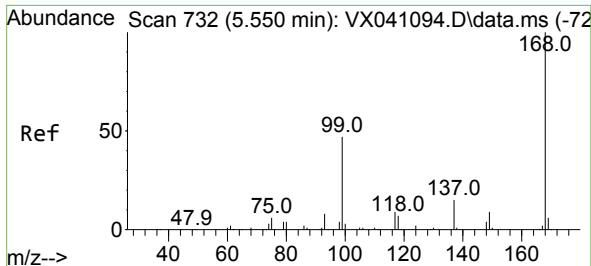
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
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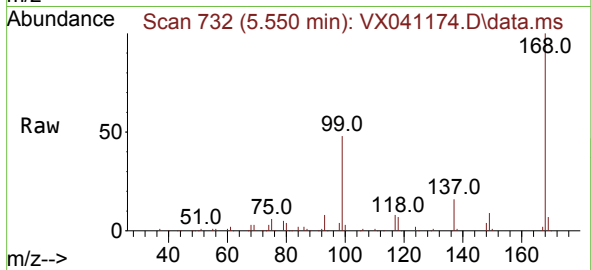


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

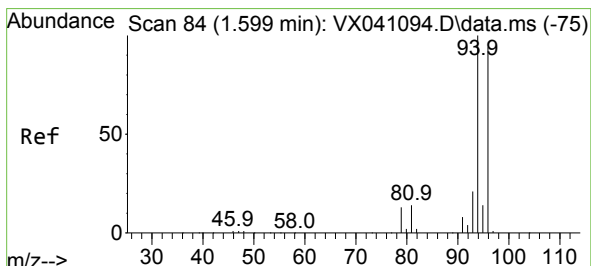
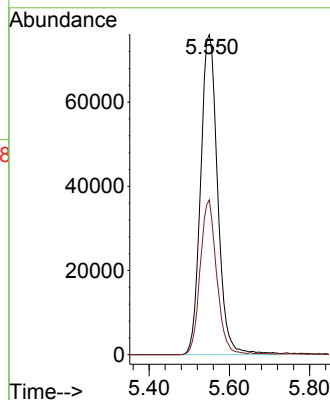
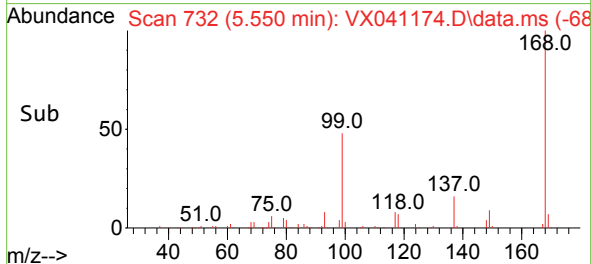
Instrument :

MSVOA_X

ClientSampleId :

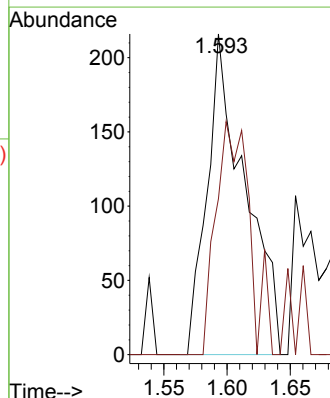
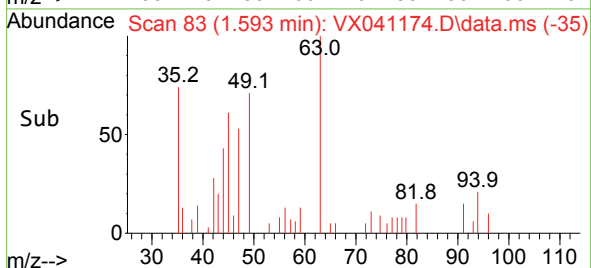
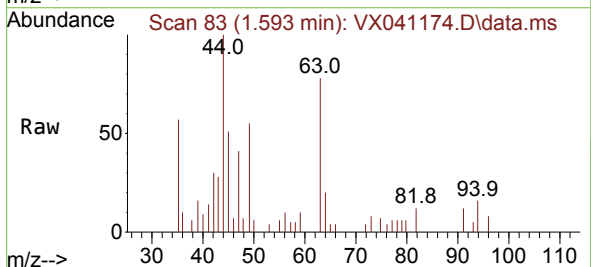


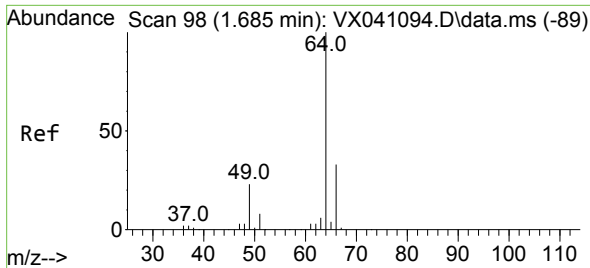
Tgt Ion:168 Resp: 224112
Ion Ratio Lower Upper
168 100
99 48.4 56.6 85.0#



#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

Tgt Ion: 94 Resp: 449
Ion Ratio Lower Upper
94 100
96 48.6 74.6 111.8#

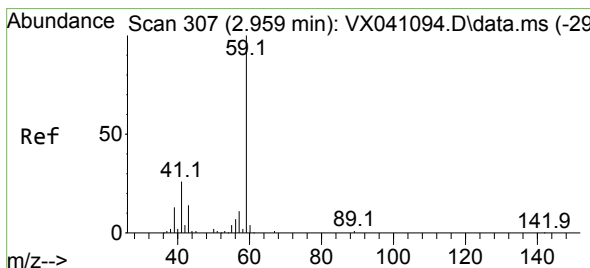
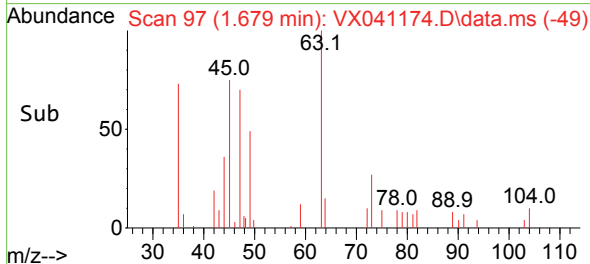
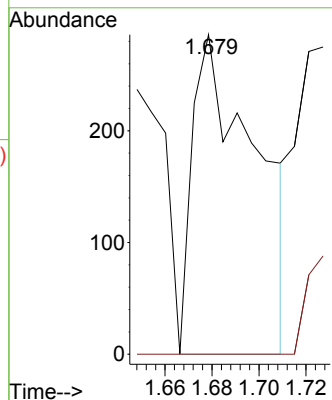
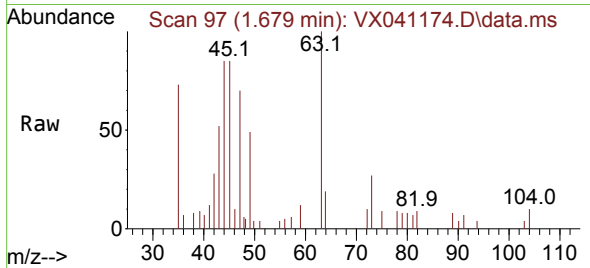




#6
Chloroethane
Concen: 0.355 ug/l
RT: 1.679 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

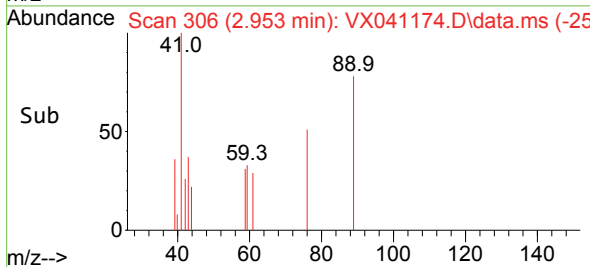
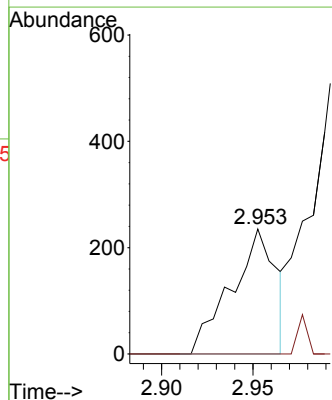
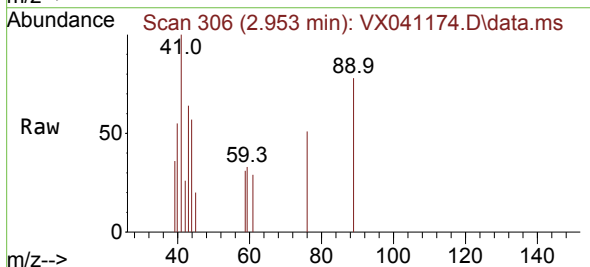
Instrument :
MSVOA_X
ClientSampleId :

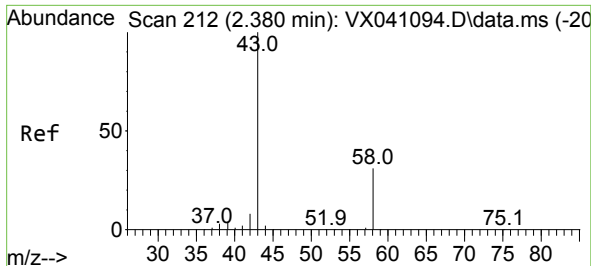
Tgt Ion: 64 Resp: 530
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.847 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

Tgt Ion: 59 Resp: 401
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

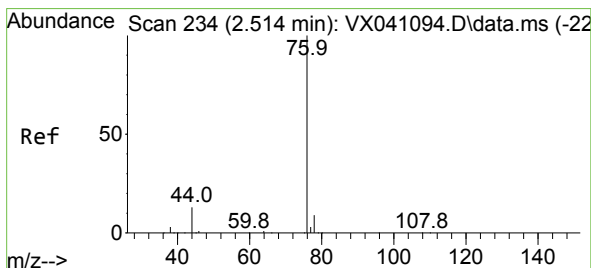
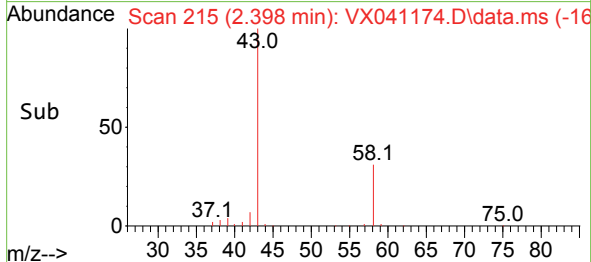
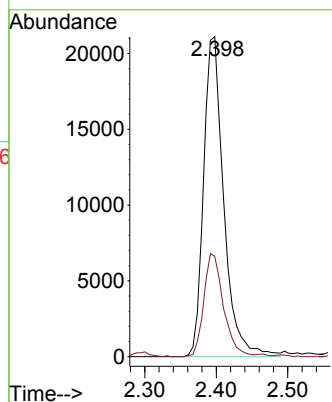
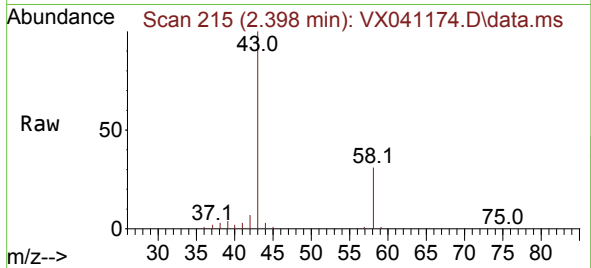




#16
Acetone
Concen: 40.688 ug/l
RT: 2.398 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

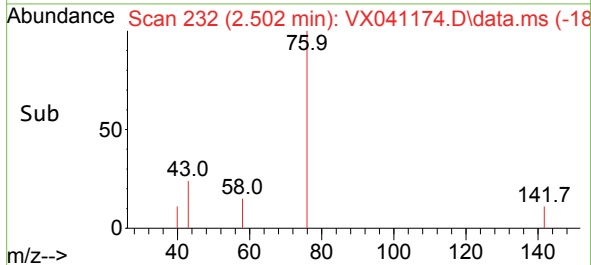
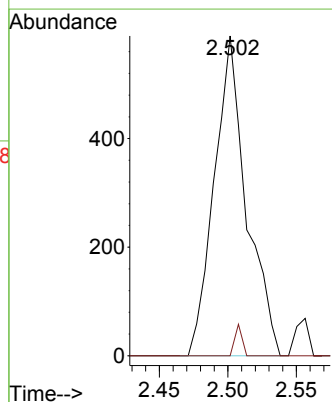
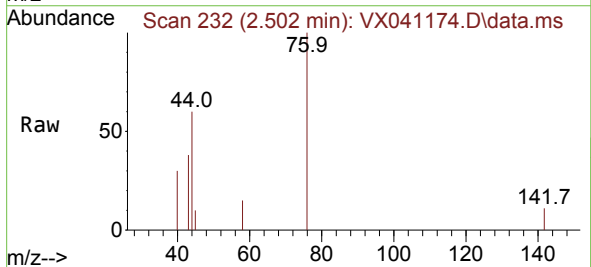
Instrument :
MSVOA_X
ClientSampleId :

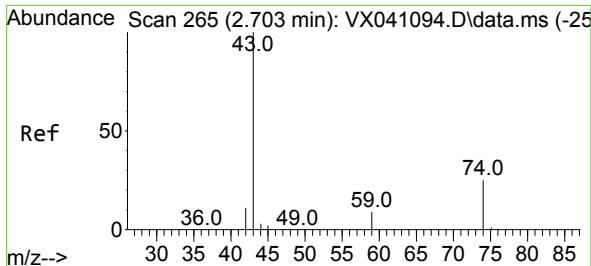
Tgt Ion: 43 Resp: 41381
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.012 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

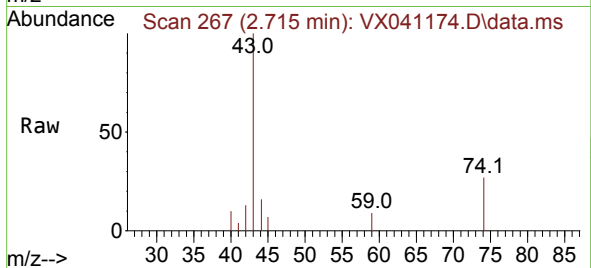
Tgt Ion: 76 Resp: 962
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



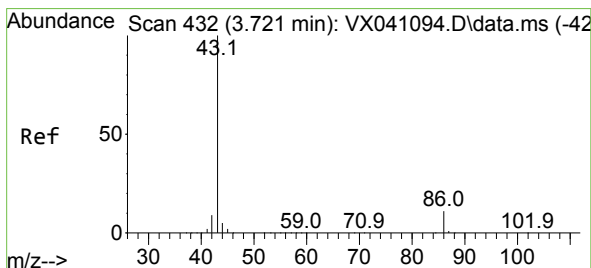
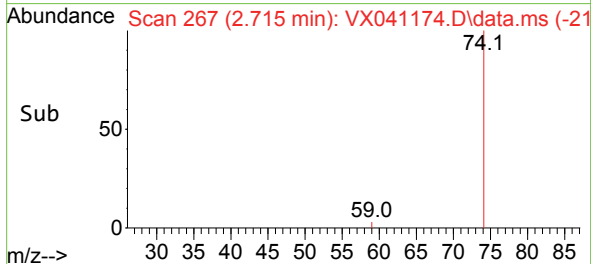
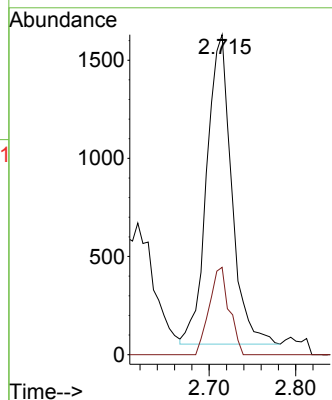


#18
Methyl Acetate
Concen: 1.239 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :

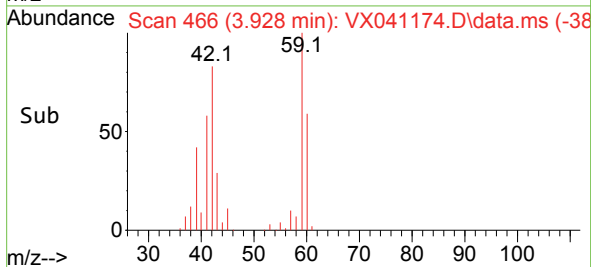
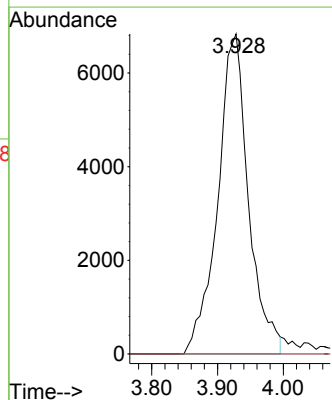
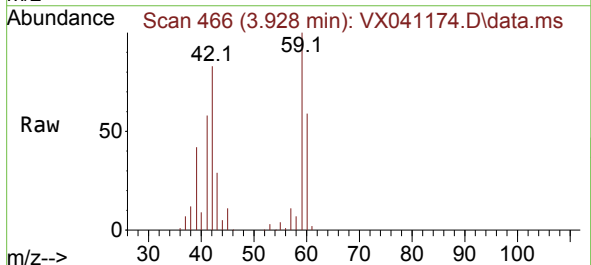


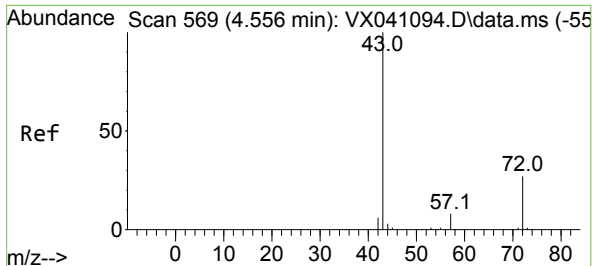
Tgt Ion: 43 Resp: 3146
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



#23
Vinyl Acetate
Concen: 3.999 ug/l
RT: 3.928 min Scan# 466
Delta R.T. 0.207 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

Tgt Ion: 43 Resp: 22204
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#





#25

2-Butanone

Concen: 0.988 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX041174.D

Acq: 19 Apr 2024 13:41

Instrument :

MSVOA_X

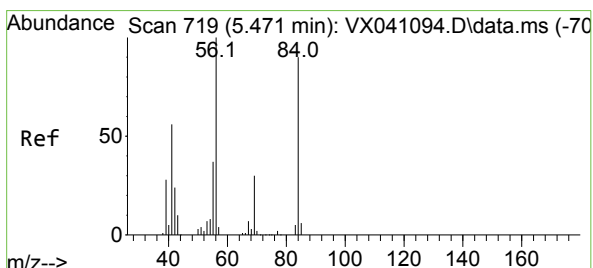
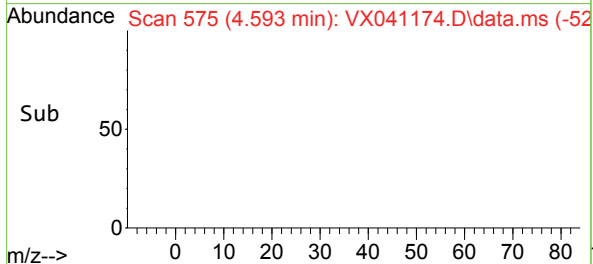
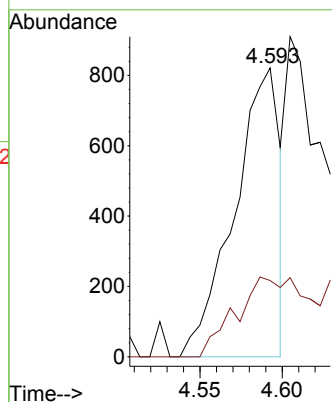
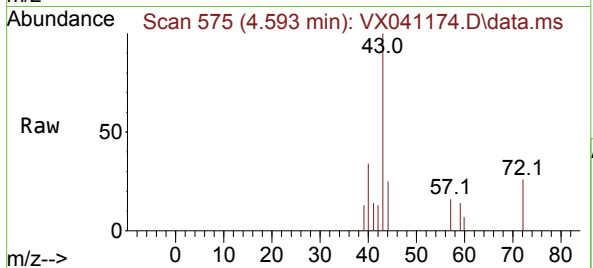
ClientSampleId :

Tgt Ion: 43 Resp: 1578

Ion Ratio Lower Upper

43 100

72 26.4 19.4 29.2



#31

Cyclohexane

Concen: 1.124 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX041174.D

Acq: 19 Apr 2024 13:41

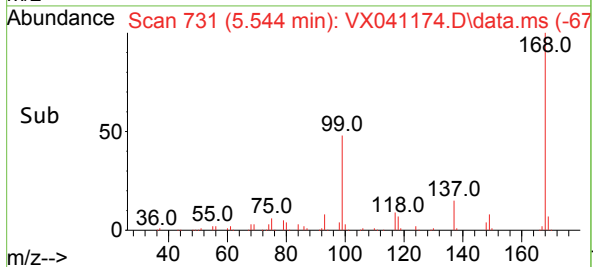
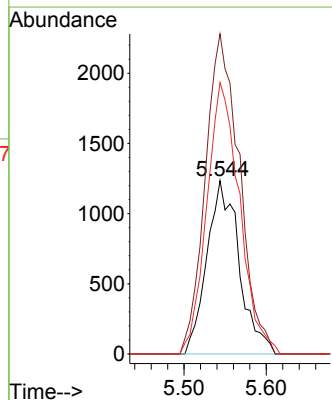
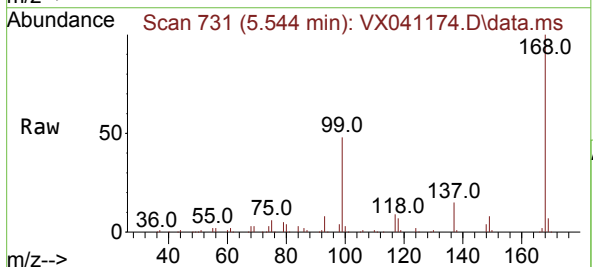
Tgt Ion: 56 Resp: 3368

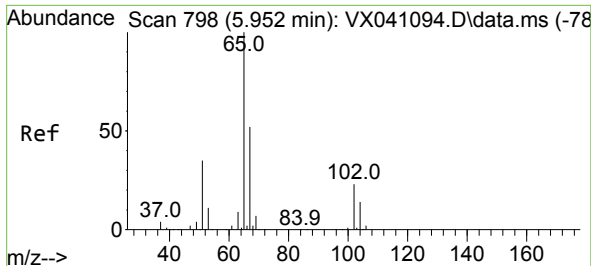
Ion Ratio Lower Upper

56 100

69 184.6 23.4 35.2#

84 156.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.565 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041174.D

Acq: 19 Apr 2024 13:41

Instrument :

MSVOA_X

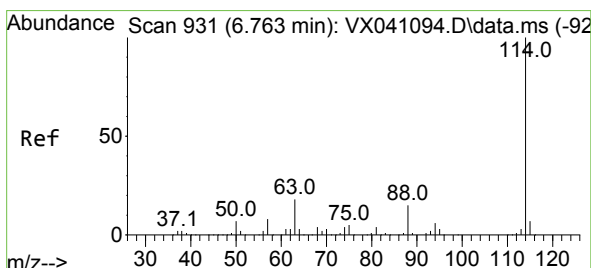
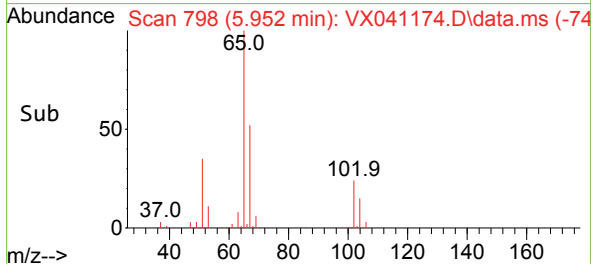
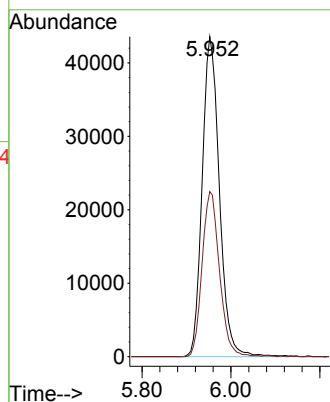
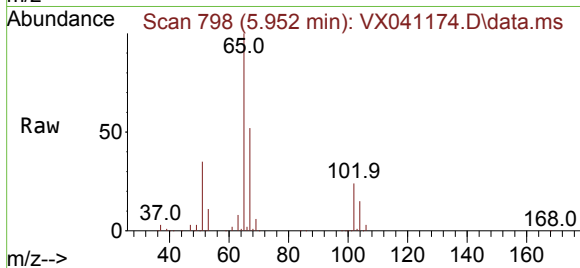
ClientSampleId :

Tgt Ion: 65 Resp: 117509

Ion Ratio Lower Upper

65 100

67 52.1 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: VX041174.D

Acq: 19 Apr 2024 13:41

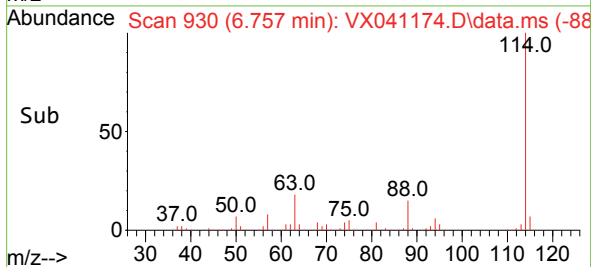
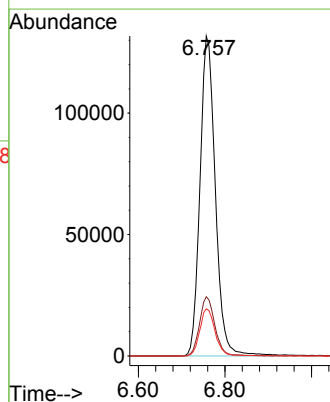
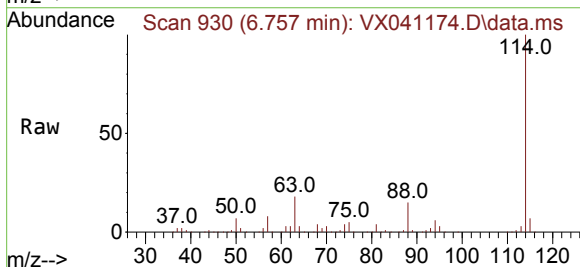
Tgt Ion: 114 Resp: 324242

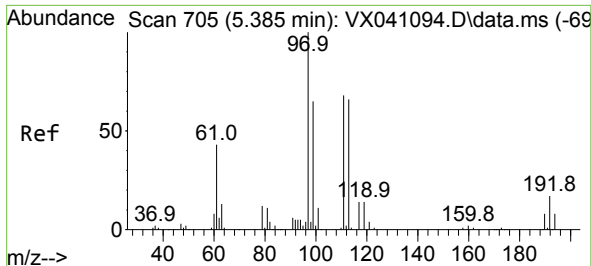
Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

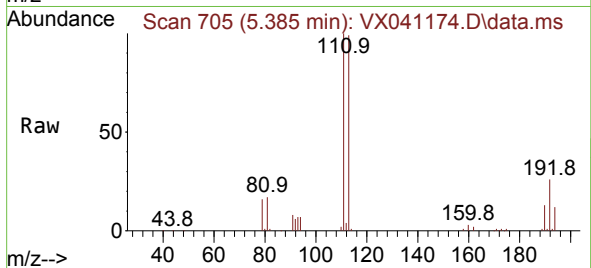
88 14.8 0.0 36.6



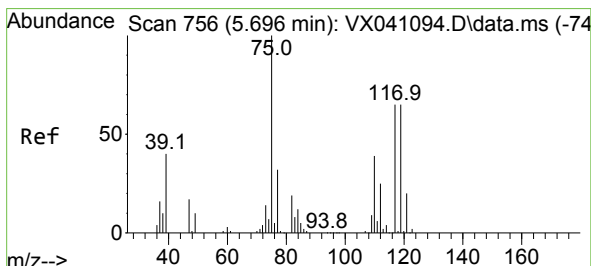
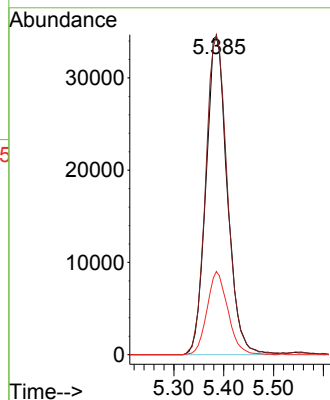
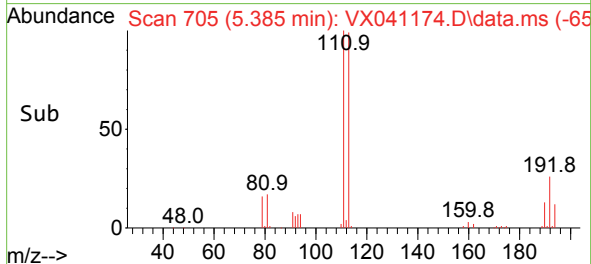


#35
Dibromofluoromethane
Concen: 47.278 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

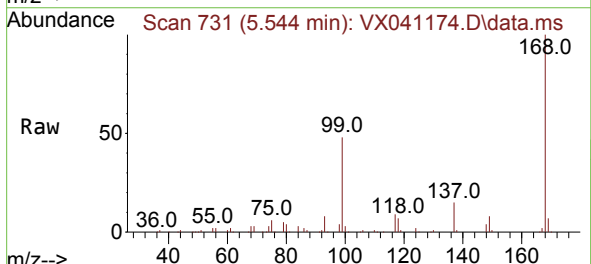
Instrument :
MSVOA_X
ClientSampleId :



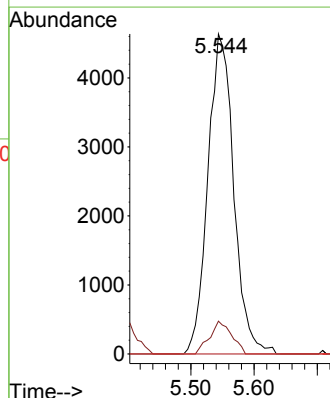
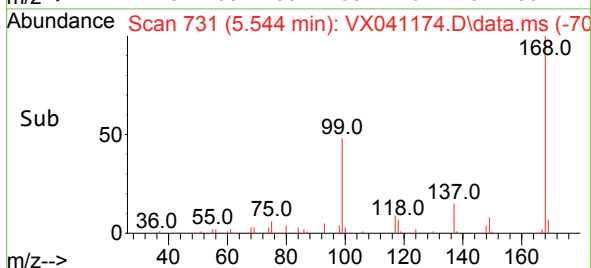
Tgt Ion:113 Resp: 102404
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 25.6 13.3 19.9#

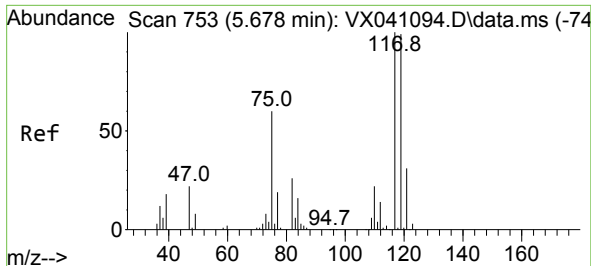


#36
1,1-Dichloropropene
Concen: 4.792 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41



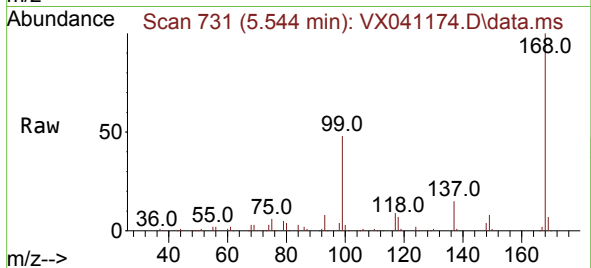
Tgt Ion: 75 Resp: 13142
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



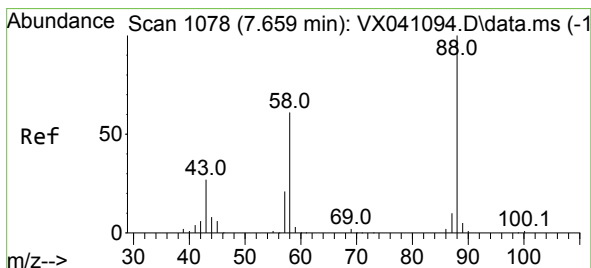
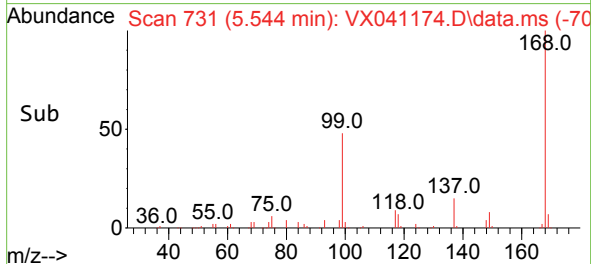
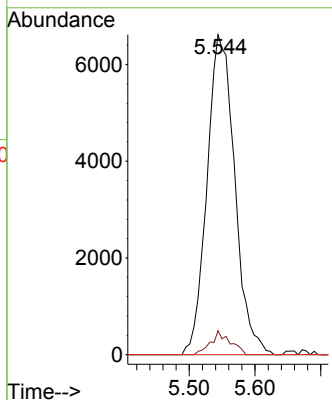


#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :

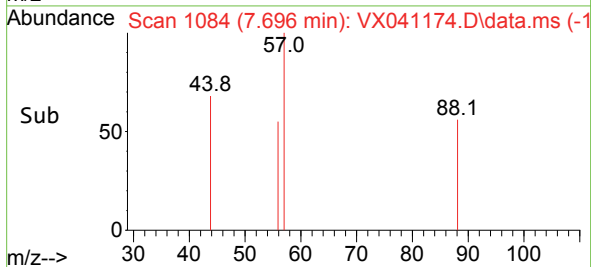
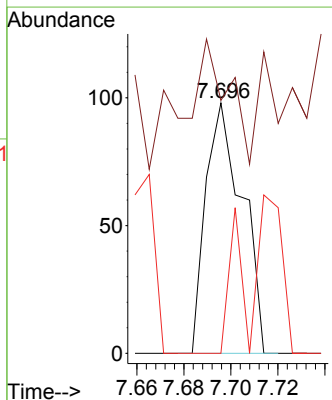
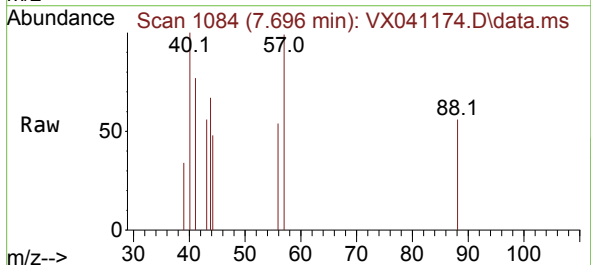


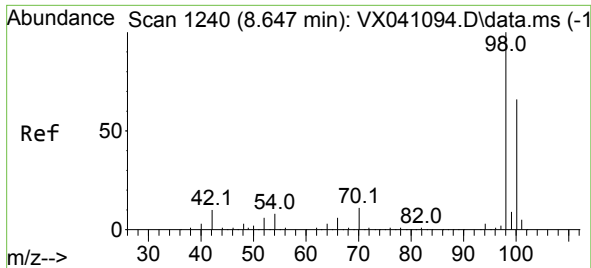
Tgt Ion:117 Resp: 19408
Ion Ratio Lower Upper
117 100
119 7.5 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 1.911 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

Tgt Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 60.4 60.1 90.1

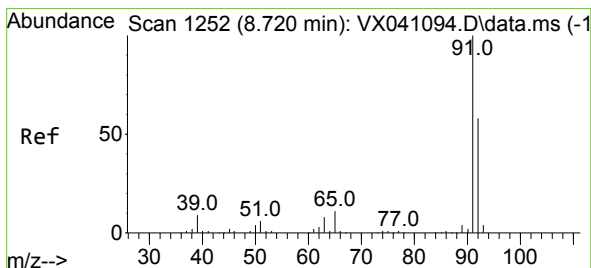
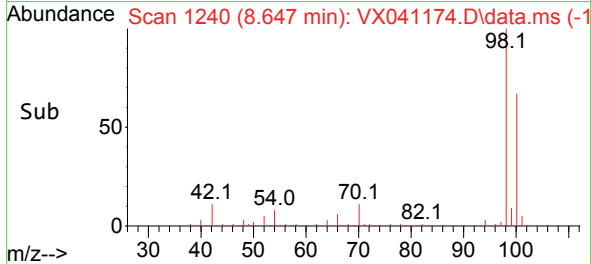
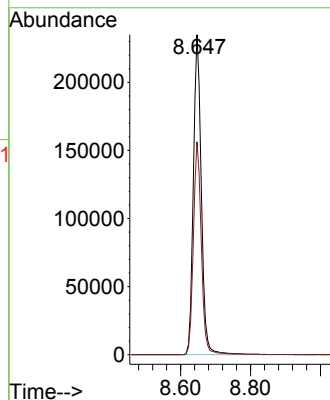
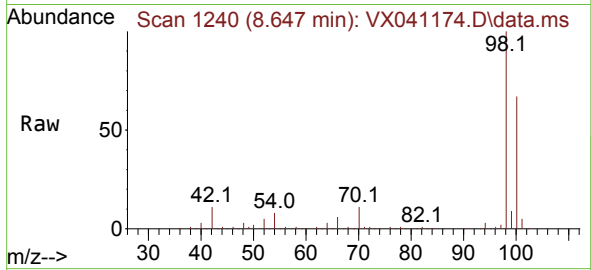




#50
Toluene-d8
Concen: 48.839 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

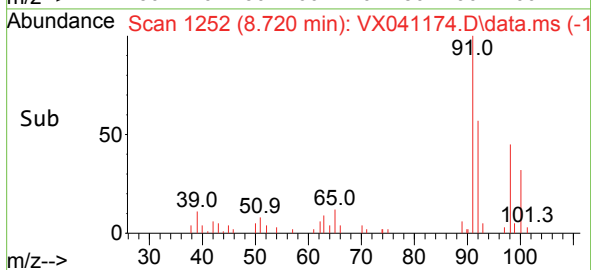
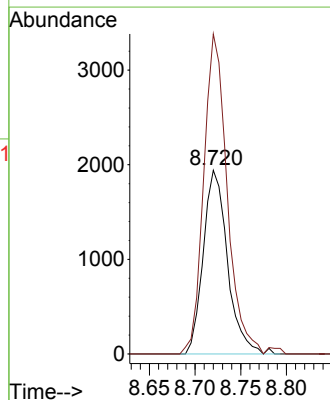
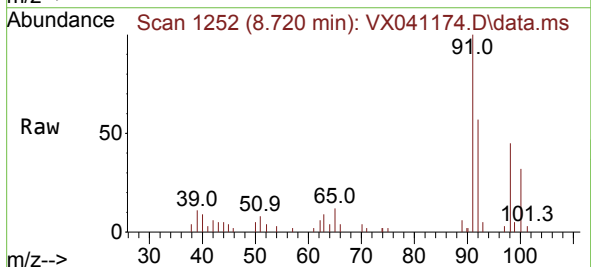
Instrument :
MSVOA_X
ClientSampleId :

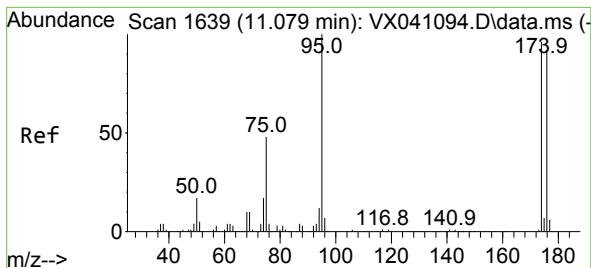
Tgt Ion: 98 Resp: 370534
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#52
Toluene
Concen: 0.656 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

Tgt Ion: 92 Resp: 3583
Ion Ratio Lower Upper
92 100
91 167.9 134.2 201.2

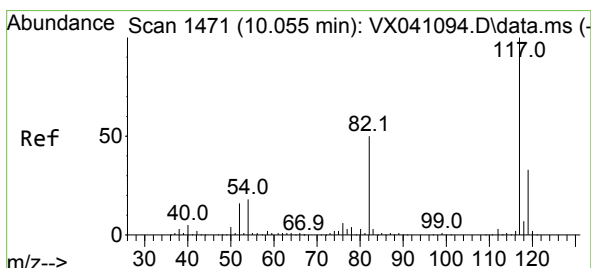
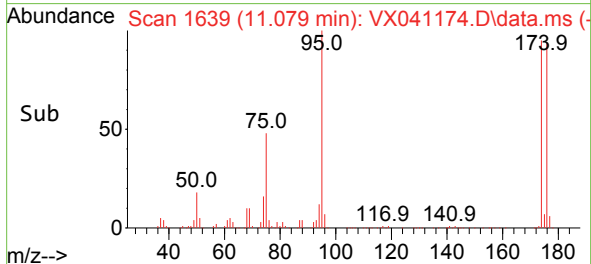
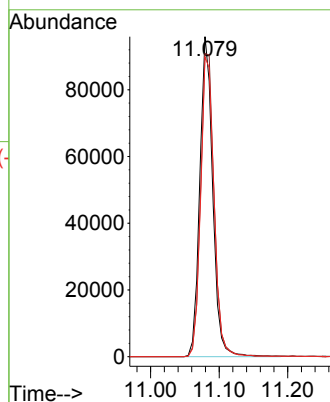
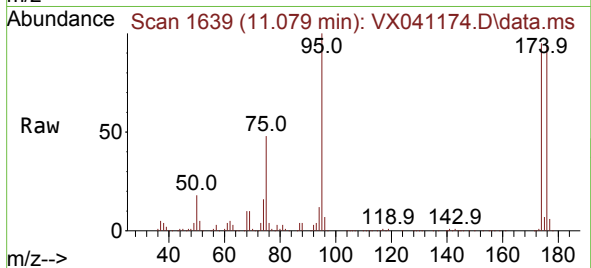




#62
4-Bromofluorobenzene
Concen: 43.701 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

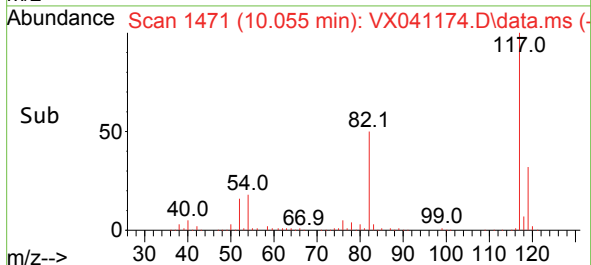
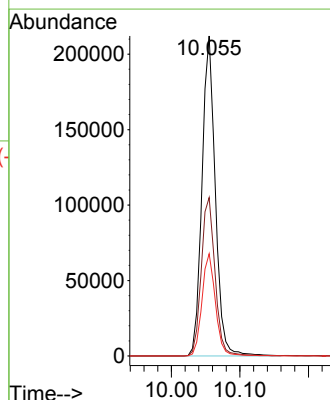
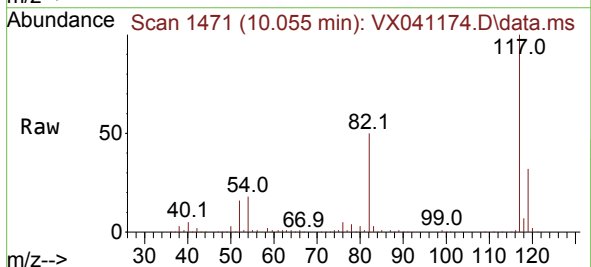
Instrument :
MSVOA_X
ClientSampleId :

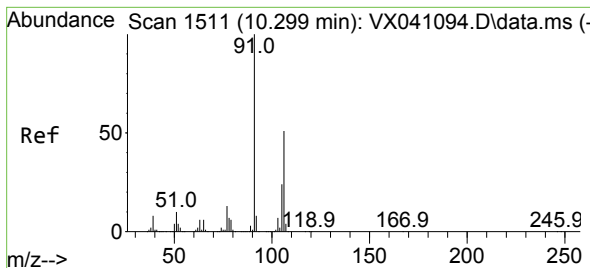
Tgt Ion: 95 Resp: 125861
Ion Ratio Lower Upper
95 100
174 99.5 0.0 135.6
176 97.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041174.D
Acq: 19 Apr 2024 13:41

Tgt Ion: 117 Resp: 287852
Ion Ratio Lower Upper
117 100
82 49.5 46.2 69.4
119 31.9 25.5 38.3





#68

m/p-Xylenes

Concen: 0.235 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041174.D

Acq: 19 Apr 2024 13:41

Instrument :

MSVOA_X

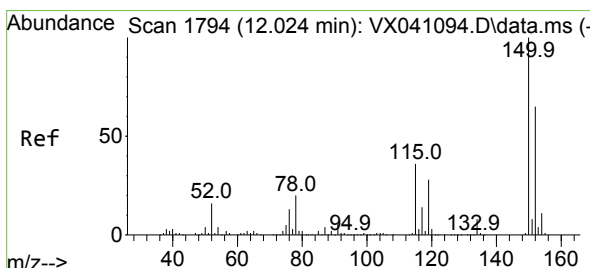
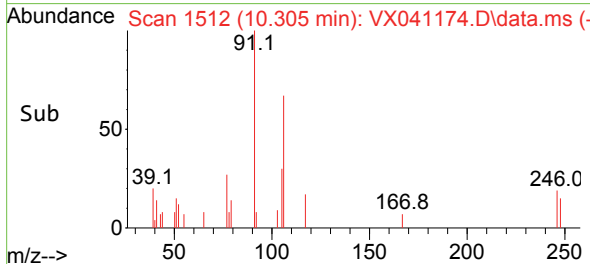
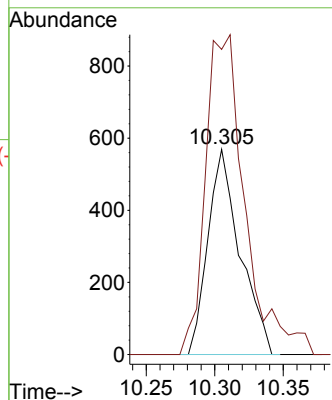
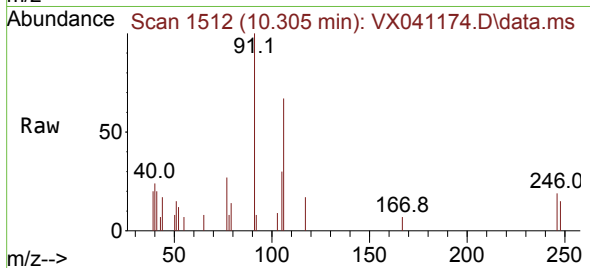
ClientSampleId :

Tgt Ion:106 Resp: 928

Ion Ratio Lower Upper

106 100

91 191.9 165.5 248.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX041174.D

Acq: 19 Apr 2024 13:41

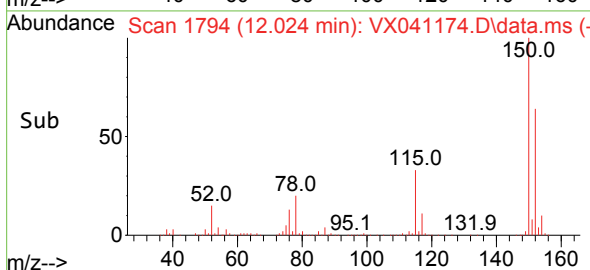
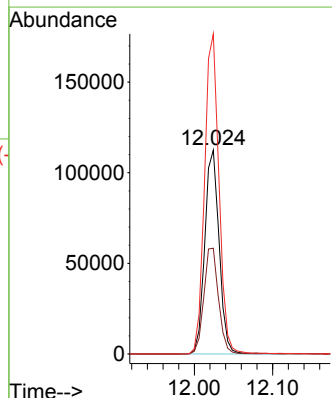
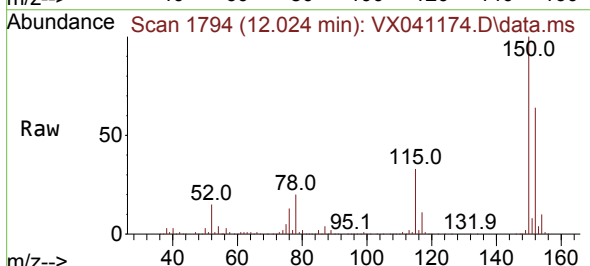
Tgt Ion:152 Resp: 142947

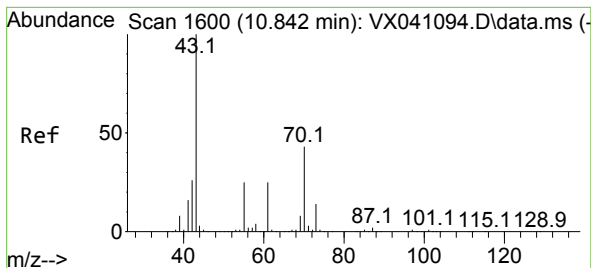
Ion Ratio Lower Upper

152 100

115 53.1 43.3 129.9

150 157.5 0.0 345.0





#74

N-amy1 acetate

Concen: 2.506 ug/l

RT: 10.756 min Scan# 1

Delta R.T. -0.085 min

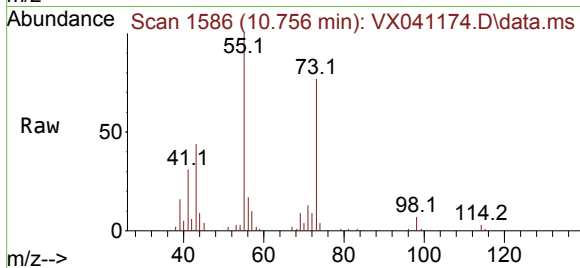
Lab File: VX041174.D

Acq: 19 Apr 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 8381

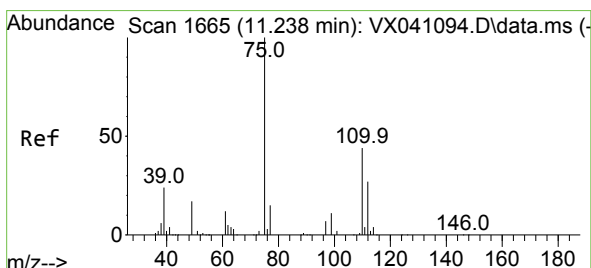
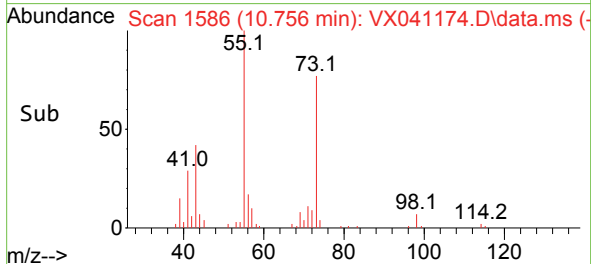
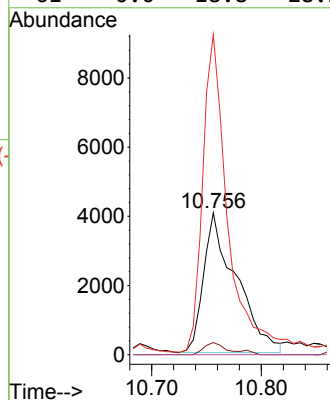
Ion Ratio Lower Upper

43 100

70 6.6 32.9 49.3#

55 177.6 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.991 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041174.D

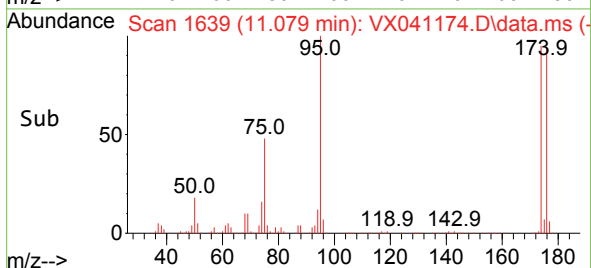
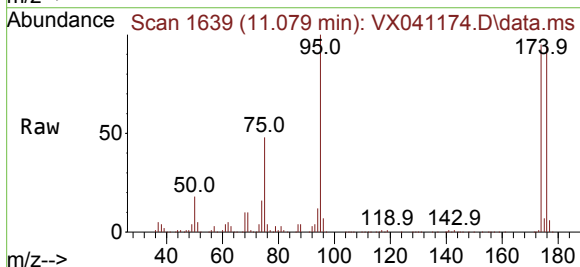
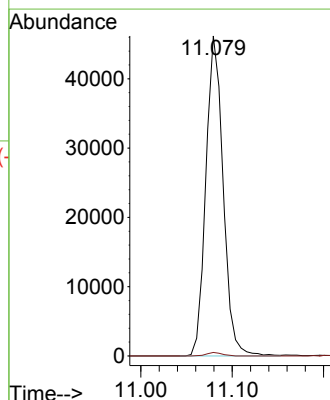
Acq: 19 Apr 2024 13:41

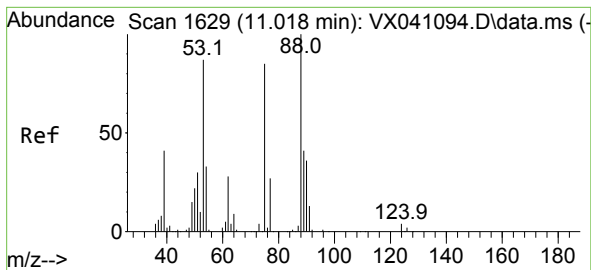
Tgt Ion: 75 Resp: 60546

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

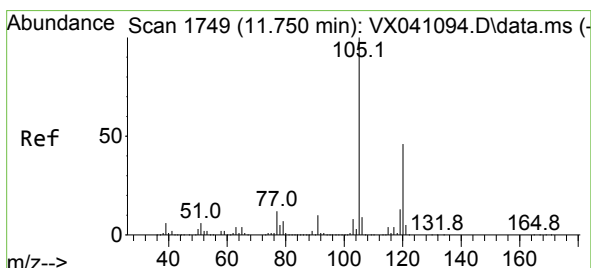
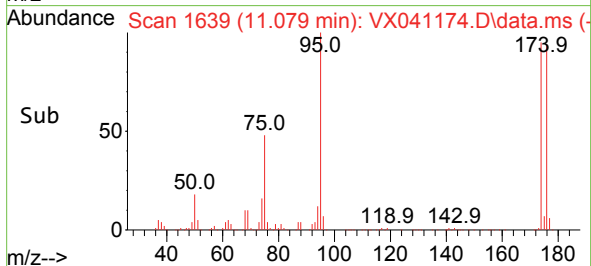
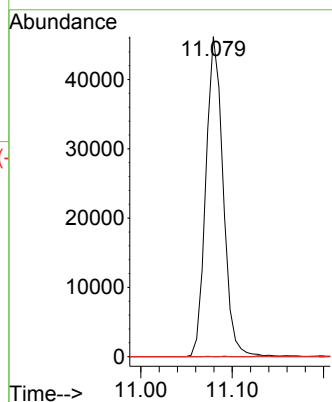
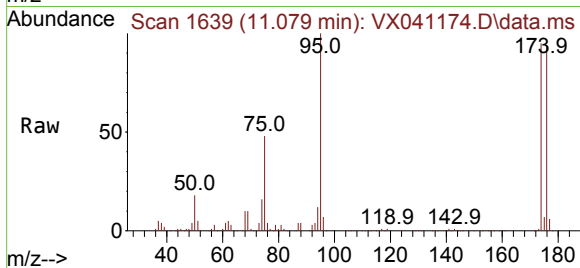




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.324 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041174.D
 Acq: 19 Apr 2024 13:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 60546
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.517 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX041174.D
 Acq: 19 Apr 2024 13:41

Tgt Ion: 105 Resp: 3627
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.2 63.6

