

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040763.D
 Acq On : 21 Mar 2024 23:06
 Operator : JC/MD
 Sample : PB159677ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 03:04:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	41744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	74291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	73038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	34558	49.235	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.460%
35) Dibromofluoromethane	5.385	113	25475	45.828	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.660%
50) Toluene-d8	8.647	98	94253	49.518	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.040%
62) 4-Bromofluorobenzene	11.079	95	34326	45.646	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.300%
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	97	0.264	ug/l #	43
11) Tert butyl alcohol	2.940	59	680	6.050	ug/l #	78
16) Acetone	2.373	43	27234	109.542	ug/l	97
18) Methyl Acetate	2.703	43	505	0.758	ug/l #	74
20) Methylene Chloride	2.794	84	2190	4.030	ug/l #	83
25) 2-Butanone	4.562	43	2891	7.424	ug/l	98
31) Cyclohexane	5.556	56	1176	1.410	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	3864	4.721	ug/l #	46
37) Ethyl Acetate	4.721	43	1239	1.333	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4590	4.982	ug/l #	11
43) Isopropyl Acetate	6.336	43	39643	27.163	ug/l	97
48) Methyl methacrylate	7.793	41	34678	51.986	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	31703	35.027	ug/l #	45
52) Toluene	8.726	92	359	0.266	ug/l	98
53) t-1,3-Dichloropropene	8.945	75	234	0.264	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	11331	12.342	ug/l #	72
57) 1,3-Dichloropropane	9.476	76	1453	1.551	ug/l #	42
59) 2-Hexanone	9.372	43	33660	48.008	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	20162	25.459	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	20162	64.406	ug/l #	5

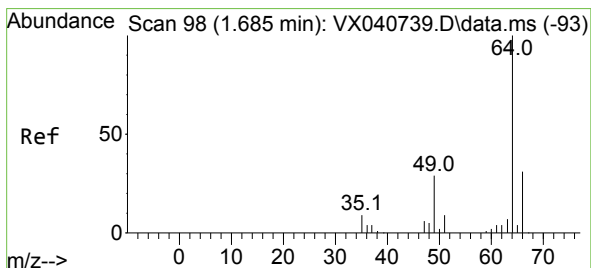
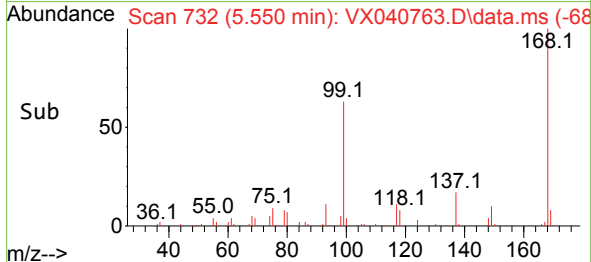
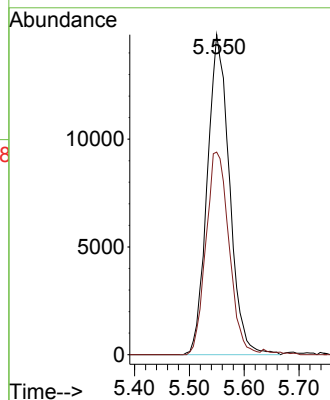
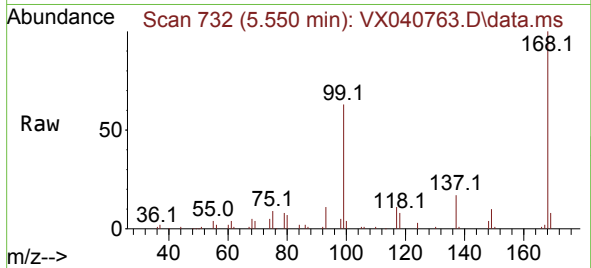
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

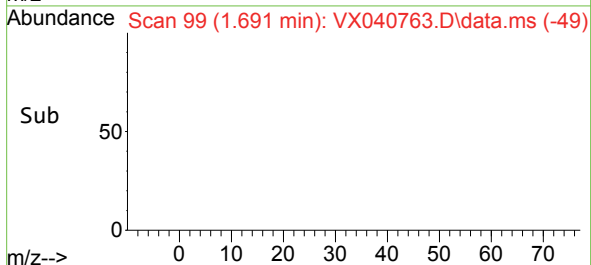
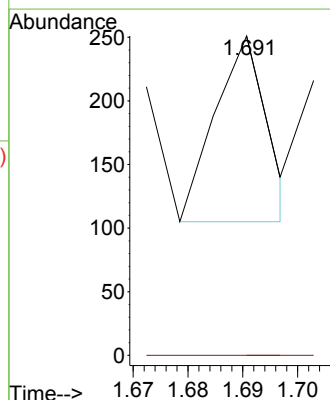
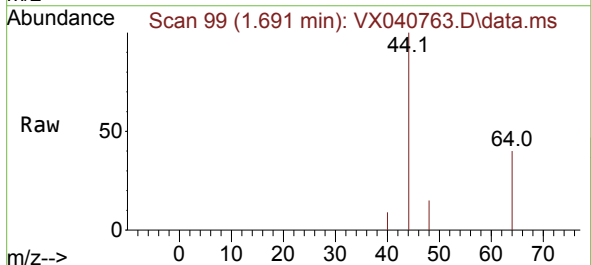
Instrument :
MSVOA_X
ClientSampleId :

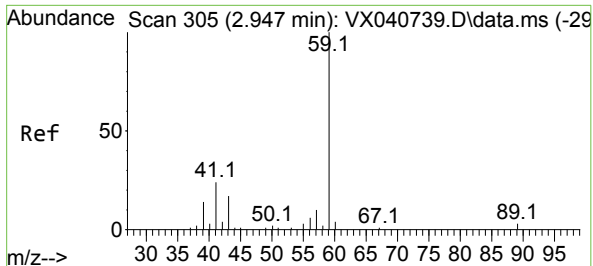
Tgt Ion:168 Resp: 41744
Ion Ratio Lower Upper
168 100
99 63.3 56.6 85.0



#6
Chloroethane
Concen: 0.264 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

Tgt Ion: 64 Resp: 97
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

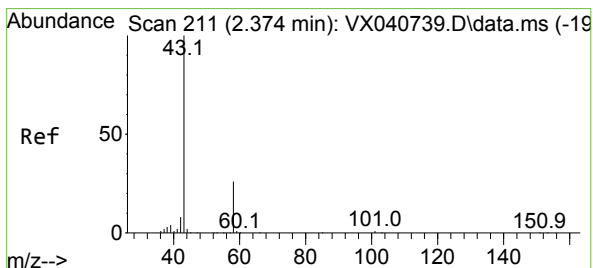
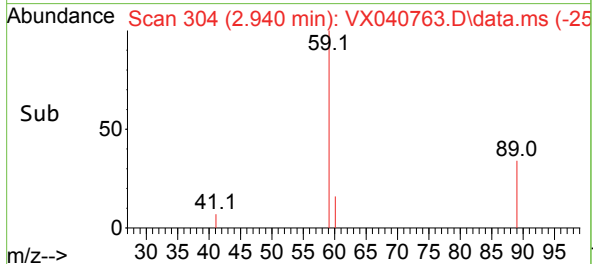
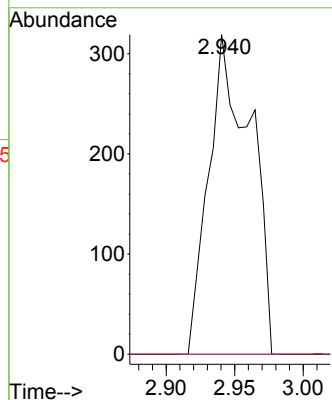
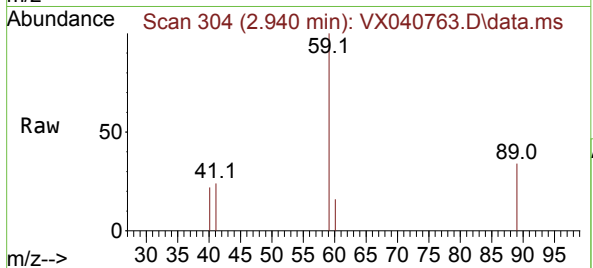




#11
Tert butyl alcohol
Concen: 6.050 ug/l
RT: 2.940 min Scan# 305
Delta R.T. -0.007 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

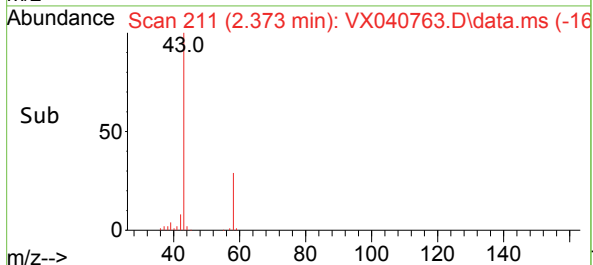
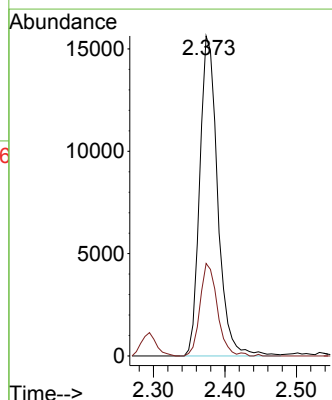
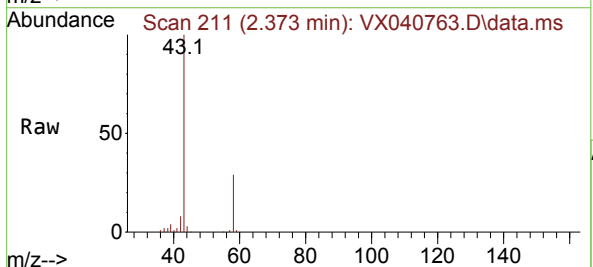
Instrument :
MSVOA_X
ClientSampleId :

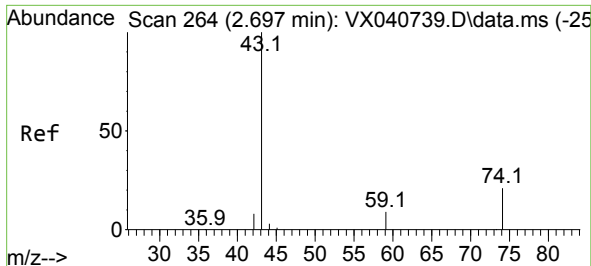
Tgt Ion: 59 Resp: 680
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 109.542 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.001 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

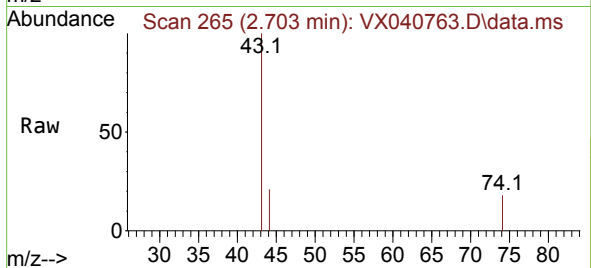
Tgt Ion: 43 Resp: 27234
Ion Ratio Lower Upper
43 100
58 28.9 21.9 32.9



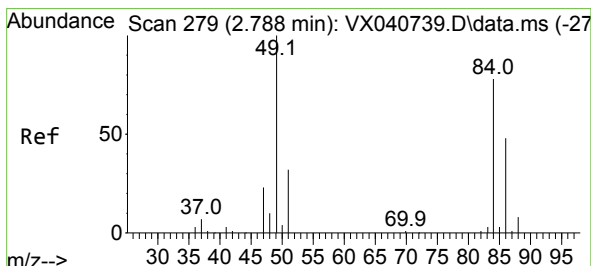
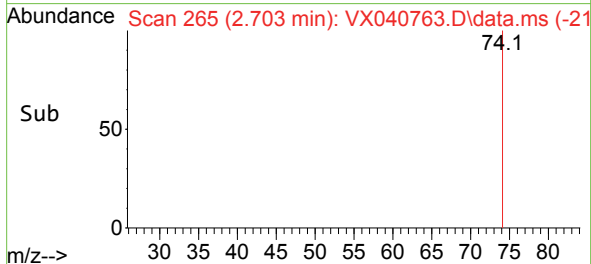
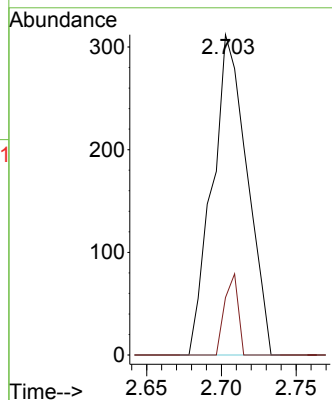


#18
Methyl Acetate
Concen: 0.758 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

Instrument :
MSVOA_X
ClientSampleId :

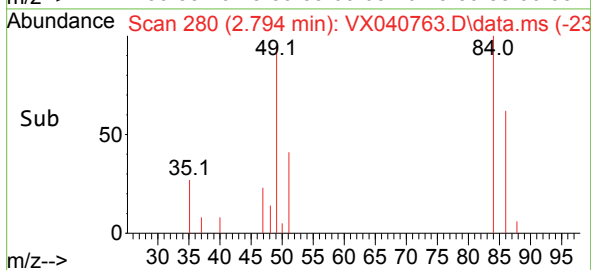
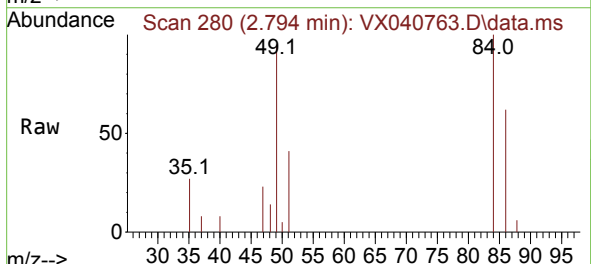
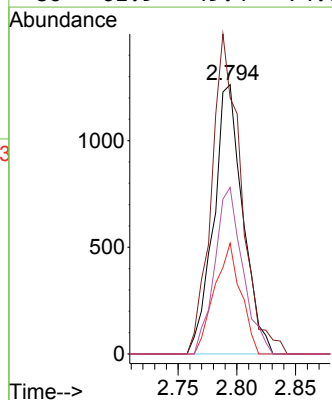


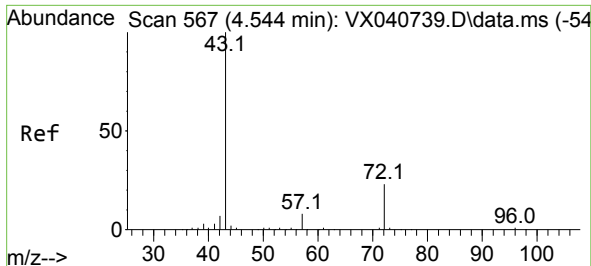
Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
74 9.7 17.8 26.8#



#20
Methylene Chloride
Concen: 4.030 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

Tgt Ion: 84 Resp: 2190
Ion Ratio Lower Upper
84 100
49 95.2 103.6 155.4#
51 41.1 33.8 50.6
86 61.9 49.4 74.0





#25

2-Butanone

Concen: 7.424 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.018 min

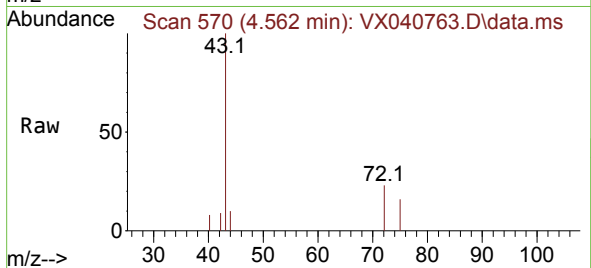
Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

Instrument :

MSVOA_X

ClientSampleId :

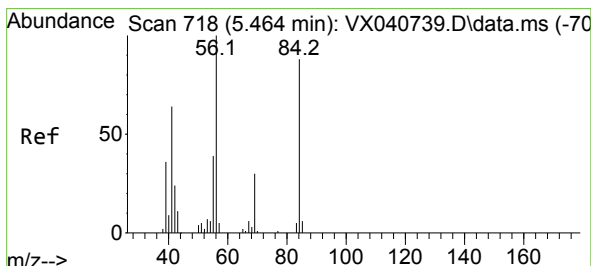
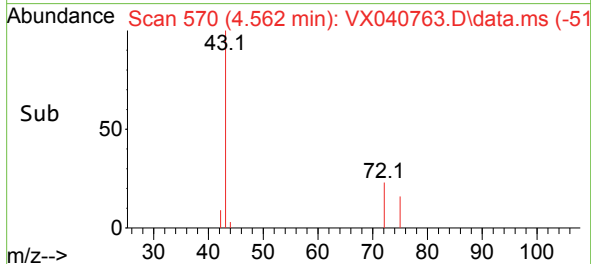
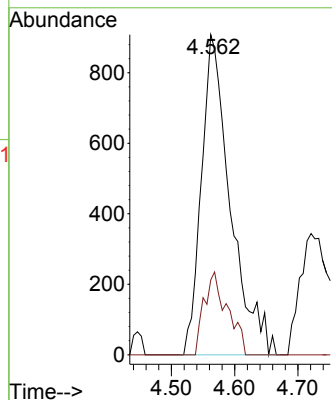


Tgt Ion: 43 Resp: 2891

Ion Ratio Lower Upper

43 100

72 23.3 19.4 29.2



#31

Cyclohexane

Concen: 1.410 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

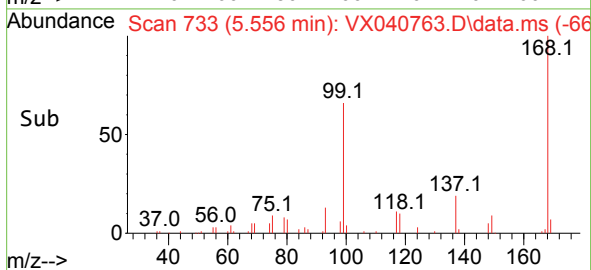
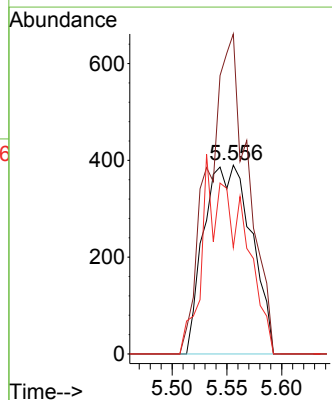
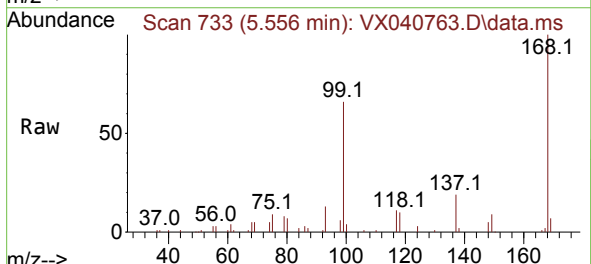
Tgt Ion: 56 Resp: 1176

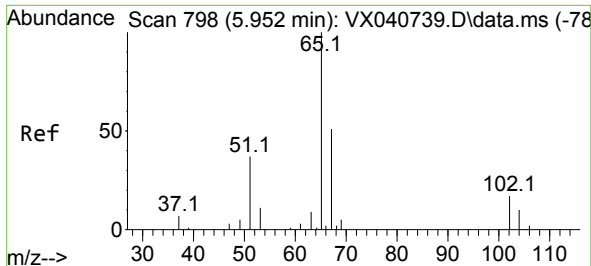
Ion Ratio Lower Upper

56 100

69 169.5 23.4 35.2#

84 56.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.235 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

Instrument :

MSVOA_X

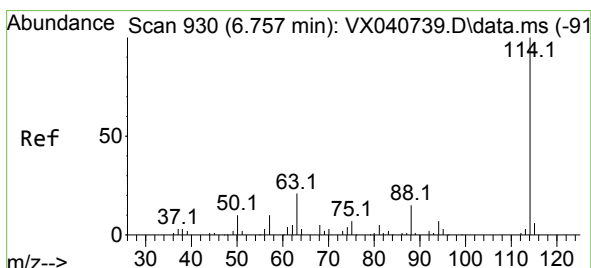
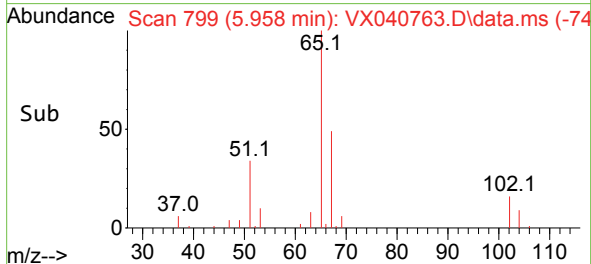
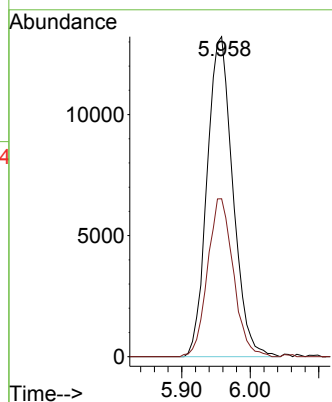
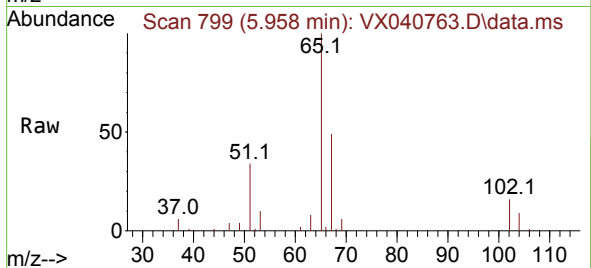
ClientSampleId :

Tgt Ion: 65 Resp: 34558

Ion Ratio Lower Upper

65 100

67 49.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

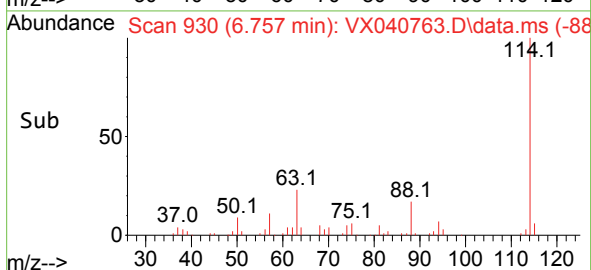
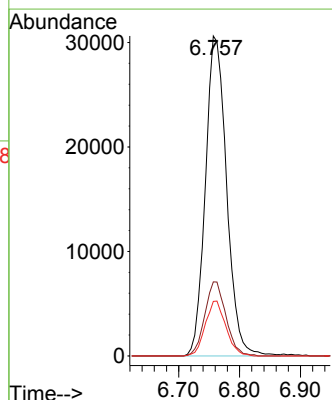
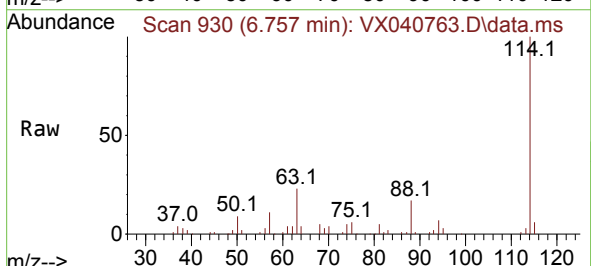
Tgt Ion: 114 Resp: 74291

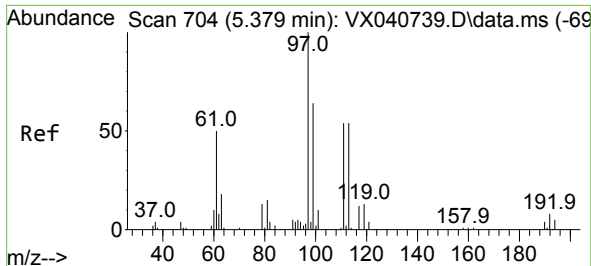
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 17.1 0.0 36.6

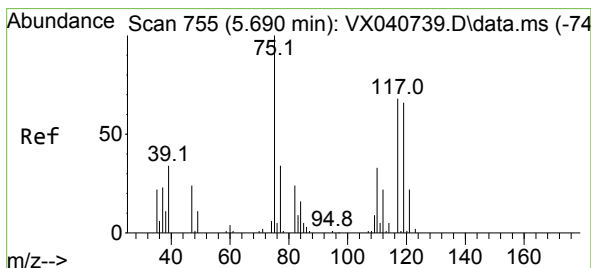
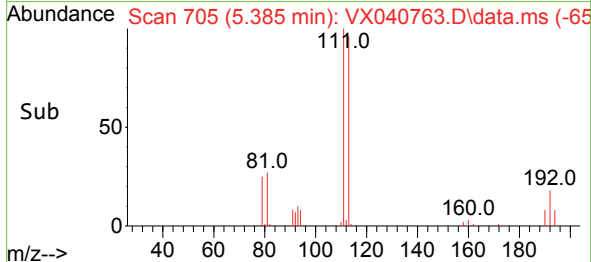
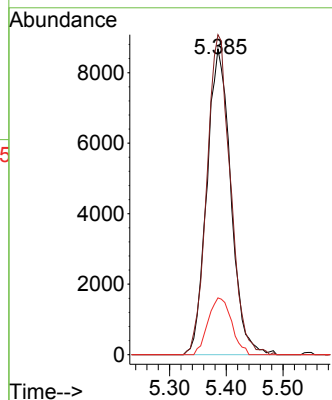
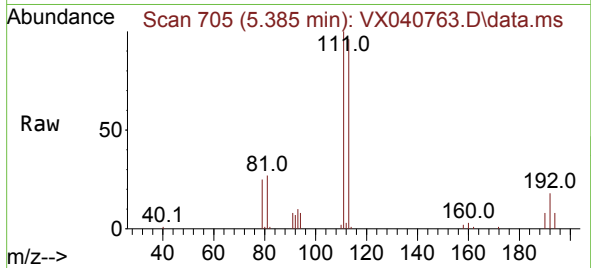




#35
 Dibromofluoromethane
 Concen: 45.828 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX040763.D
 Acq: 21 Mar 2024 23:06

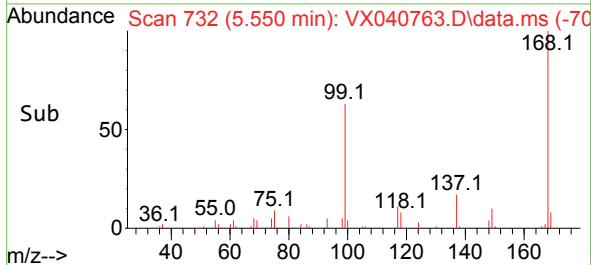
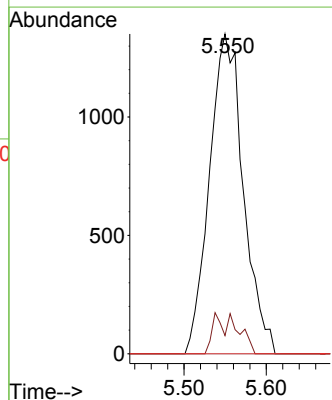
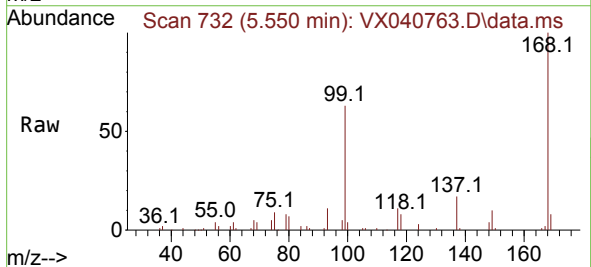
Instrument :
 MSVOA_X
 ClientSampleId :

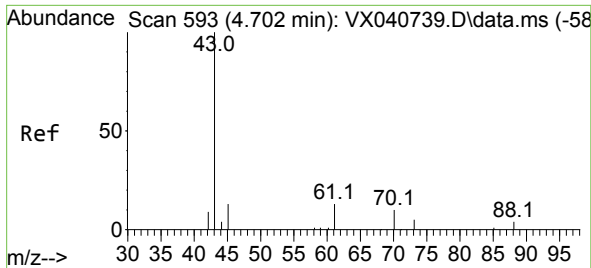
Tgt Ion:113 Resp: 25475
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 18.2 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.721 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX040763.D
 Acq: 21 Mar 2024 23:06

Tgt Ion: 75 Resp: 3864
 Ion Ratio Lower Upper
 75 100
 110 4.1 17.0 50.9#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.333 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.018 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

Instrument :

MSVOA_X

ClientSampleId :

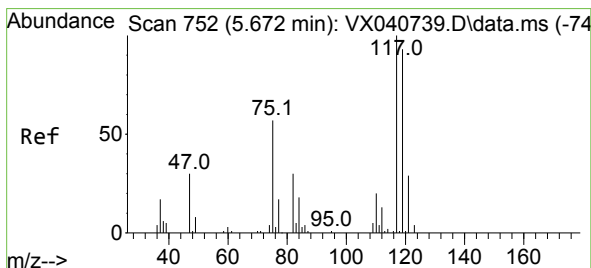
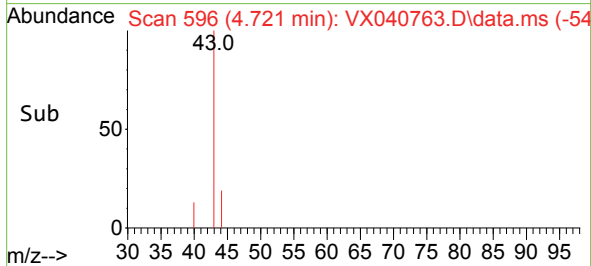
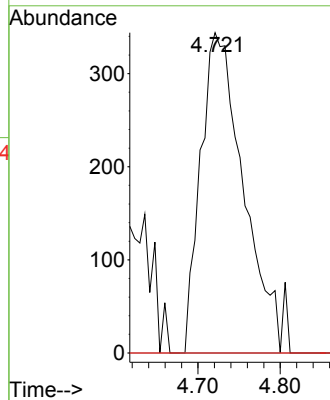
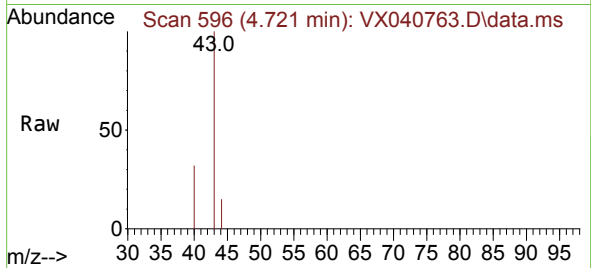
Tgt Ion: 43 Resp: 1239

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 4.982 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

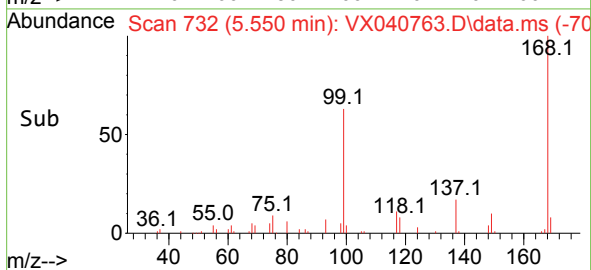
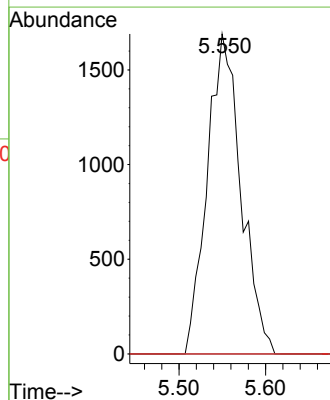
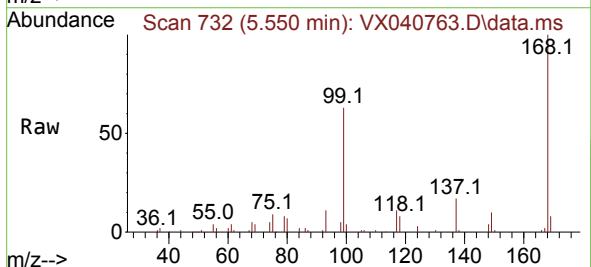
Tgt Ion: 117 Resp: 4590

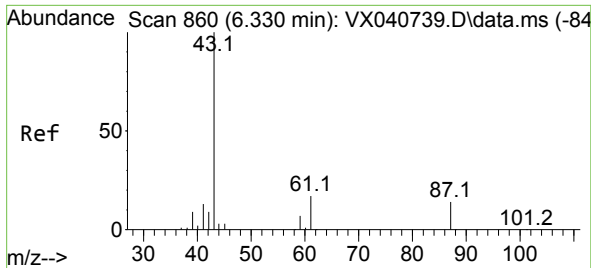
Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

121 0.0 24.4 36.6#

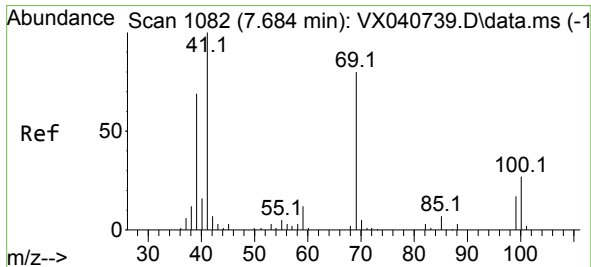
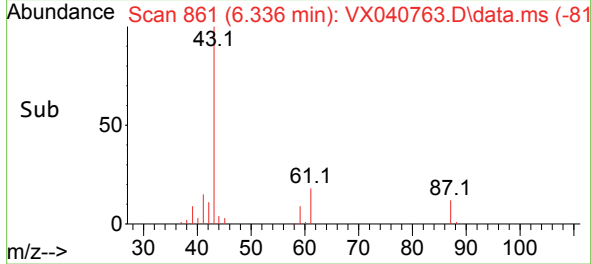
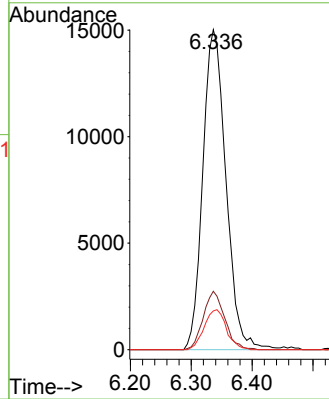
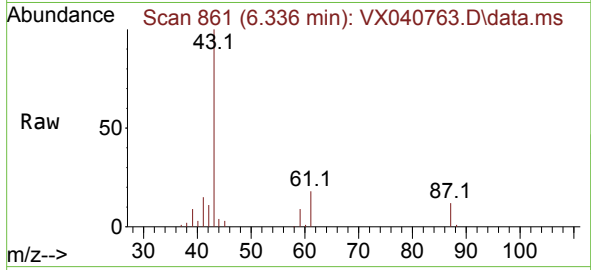




#43
Isopropyl Acetate
Concen: 27.163 ug/l
RT: 6.336 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

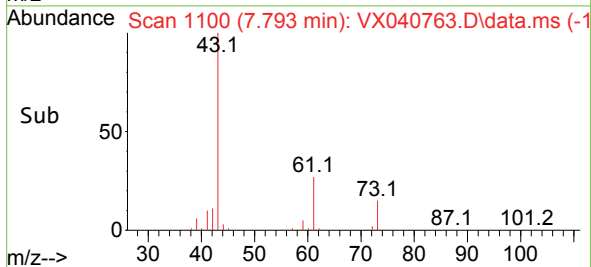
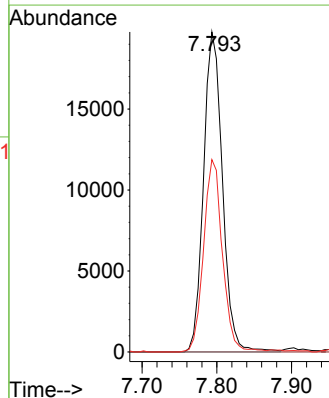
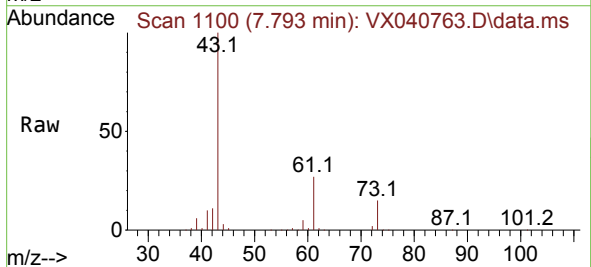
Instrument :
MSVOA_X
ClientSampleId :

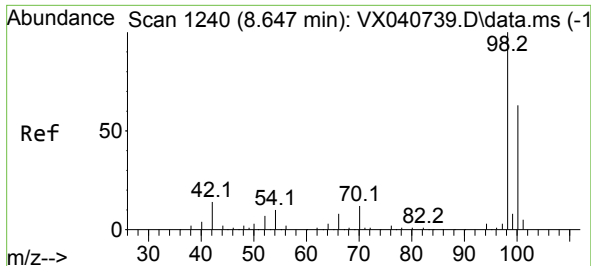
Tgt Ion: 43 Resp: 39643
Ion Ratio Lower Upper
43 100
61 16.9 15.2 22.8
87 12.0 9.8 14.6



#48
Methyl methacrylate
Concen: 51.986 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

Tgt Ion: 41 Resp: 34678
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 59.9 47.7 71.5

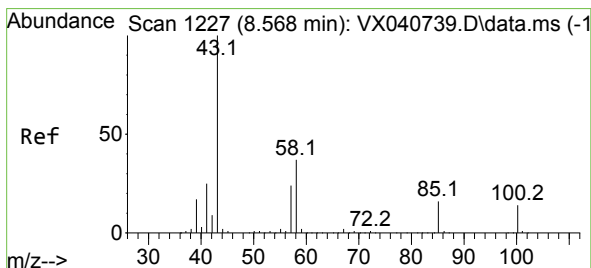
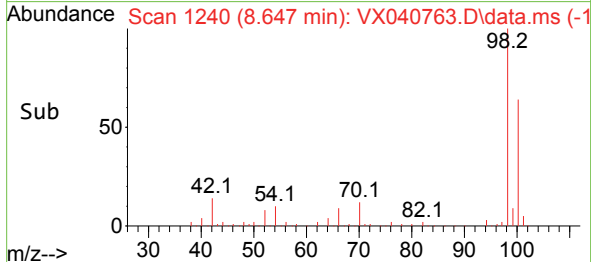
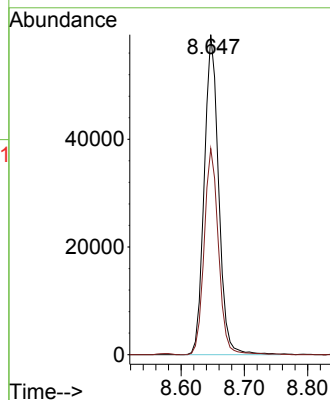
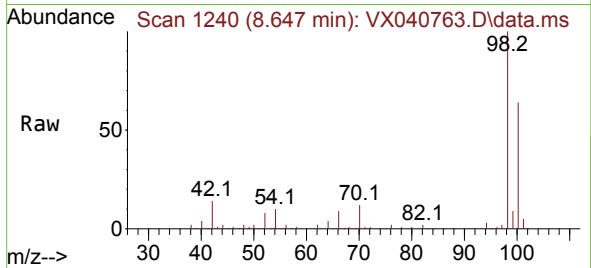




#50
Toluene-d8
Concen: 49.518 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

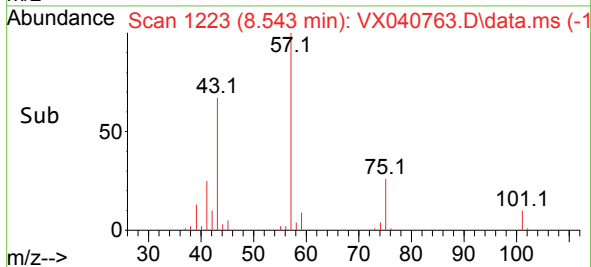
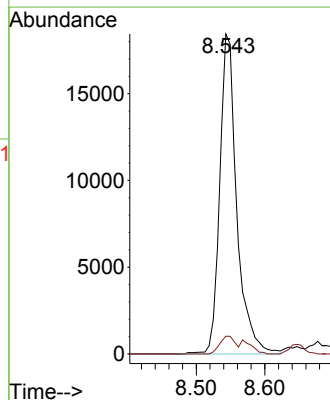
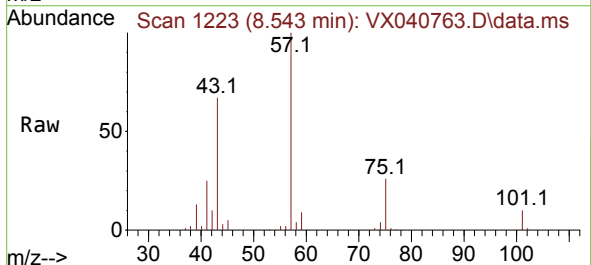
Instrument :
MSVOA_X
ClientSampleId :

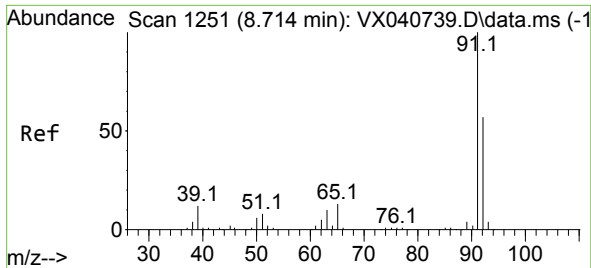
Tgt Ion: 98 Resp: 94253
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 35.027 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.024 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

Tgt Ion: 43 Resp: 31703
Ion Ratio Lower Upper
43 100
58 5.1 30.4 45.6#

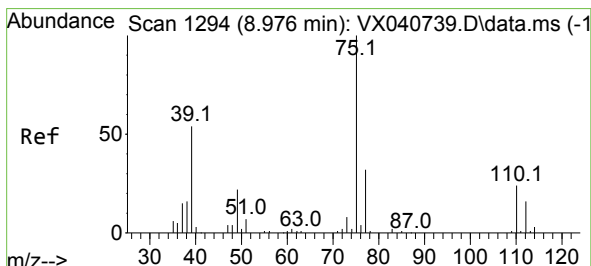
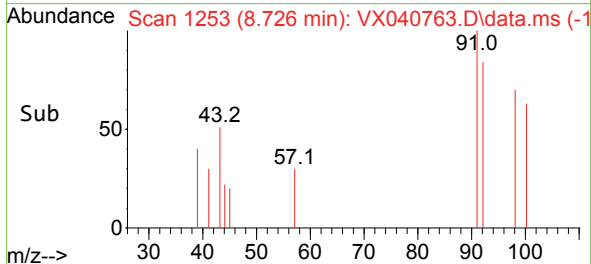
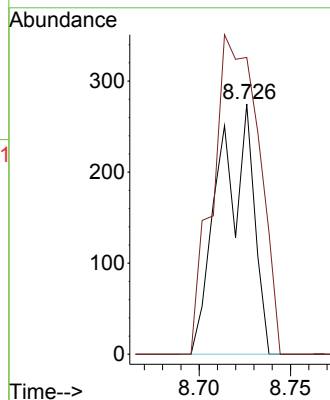
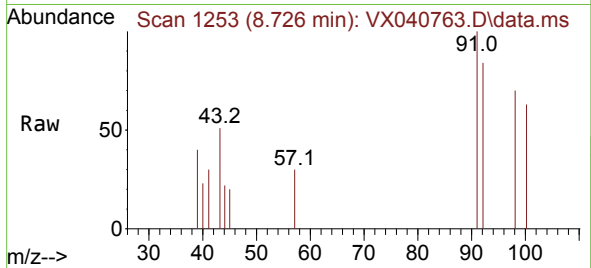




#52
Toluene
Concen: 0.266 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

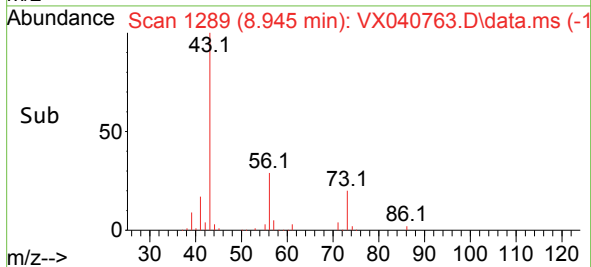
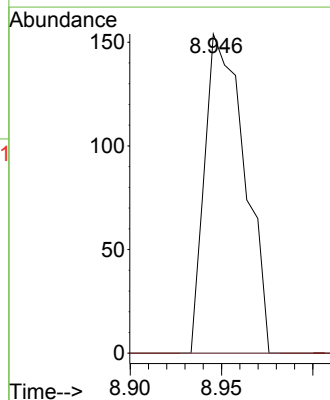
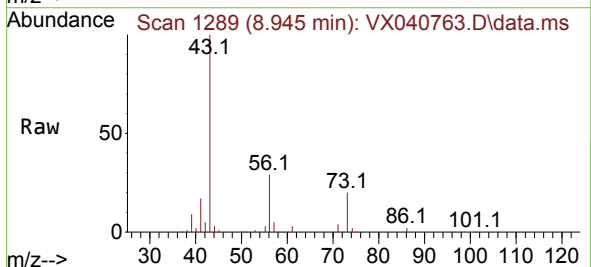
Instrument :
MSVOA_X
ClientSampleId :

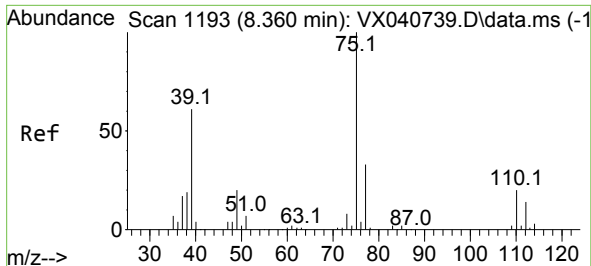
Tgt Ion: 92 Resp: 359
Ion Ratio Lower Upper
92 100
91 171.0 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.264 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.031 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

Tgt Ion: 75 Resp: 234
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

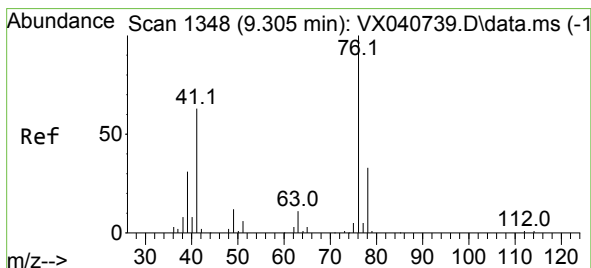
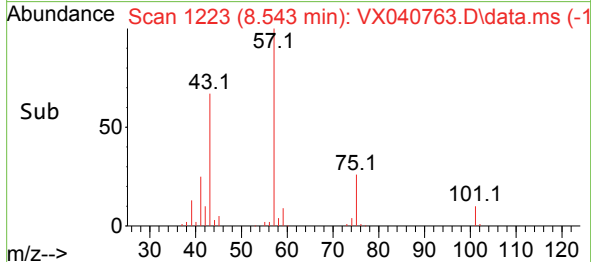
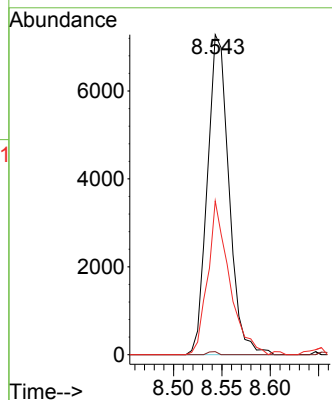
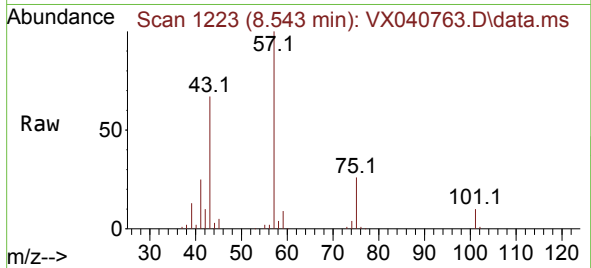




#54
cis-1,3-Dichloropropene
Concen: 12.342 ug/l
RT: 8.543 min Scan# 1193
Delta R.T. 0.183 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

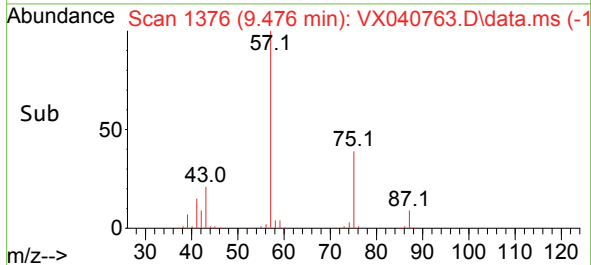
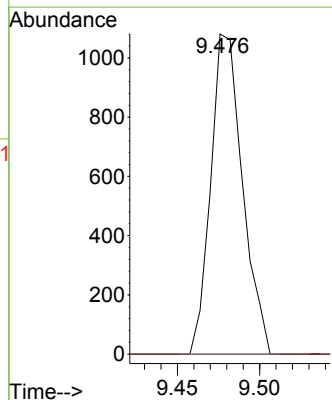
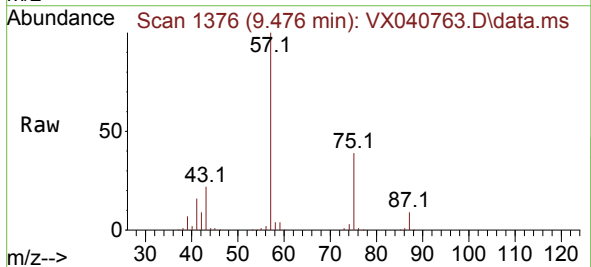
Instrument :
MSVOA_X
ClientSampleId :

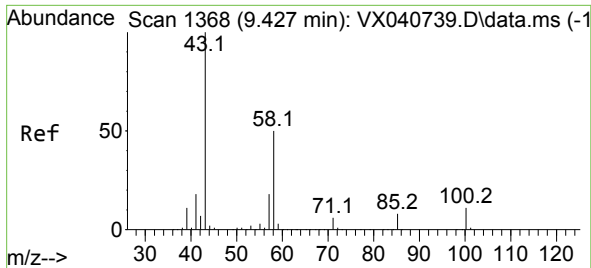
Tgt Ion: 75 Resp: 11331
Ion Ratio Lower Upper
75 100
77 1.0 25.3 37.9#
39 48.0 46.7 70.1



#57
1,3-Dichloropropane
Concen: 1.551 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.171 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

Tgt Ion: 76 Resp: 1453
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

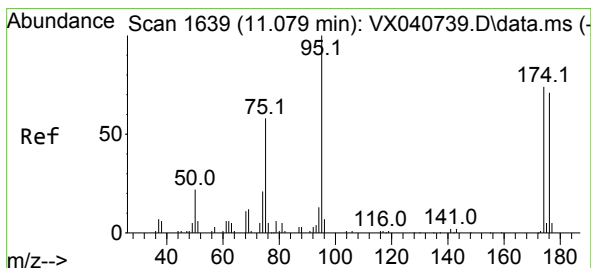
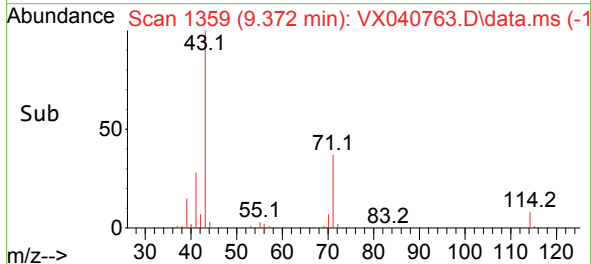
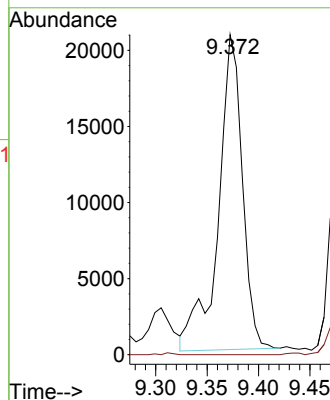
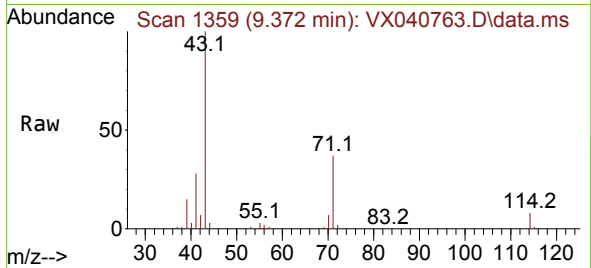




#59
2-Hexanone
Concen: 48.008 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

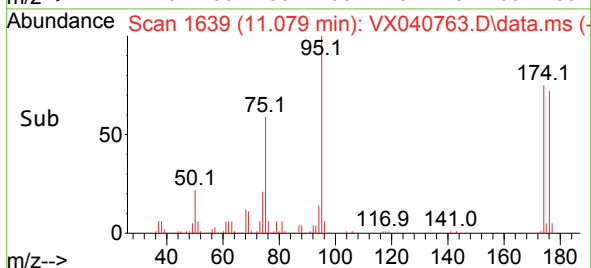
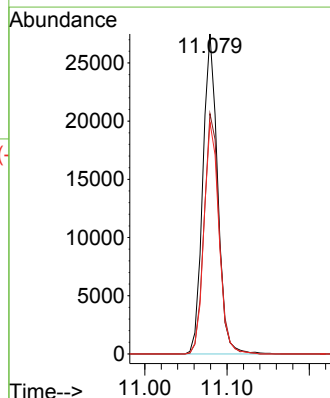
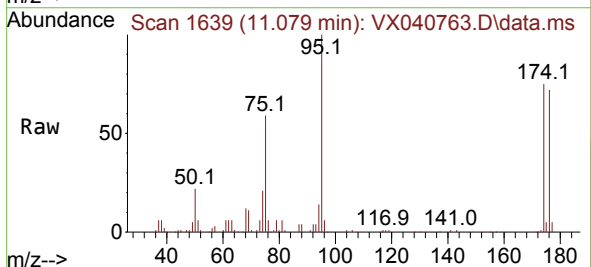
Instrument :
MSVOA_X
ClientSampleId :

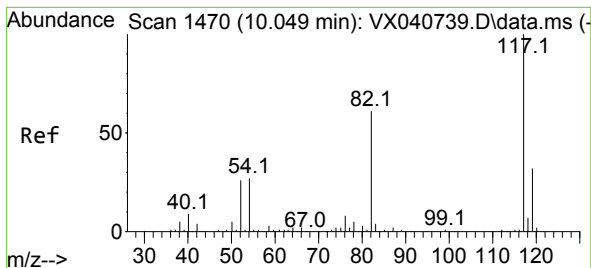
Tgt Ion: 43 Resp: 33660
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 45.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040763.D
Acq: 21 Mar 2024 23:06

Tgt Ion: 95 Resp: 34326
Ion Ratio Lower Upper
95 100
174 76.5 0.0 135.6
176 73.4 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

Instrument :

MSVOA_X

ClientSampleId :

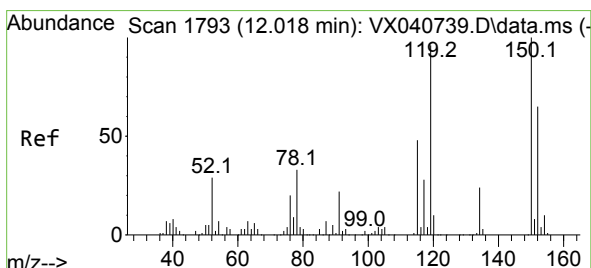
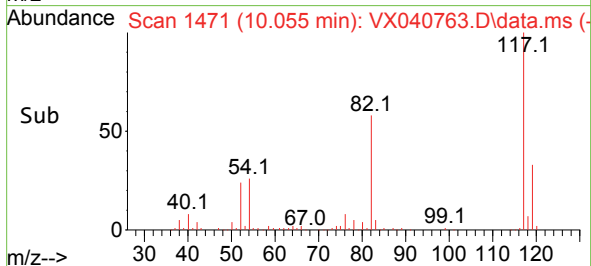
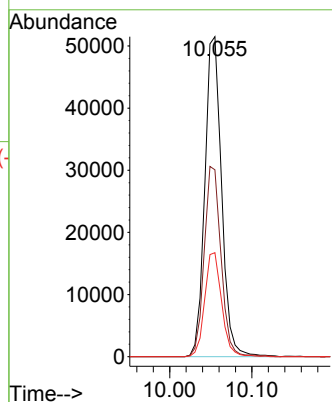
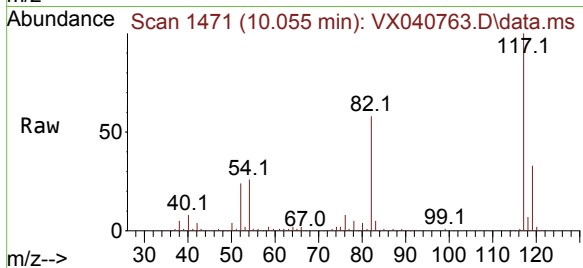
Tgt Ion:117 Resp: 73038

Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.4

119 32.5 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

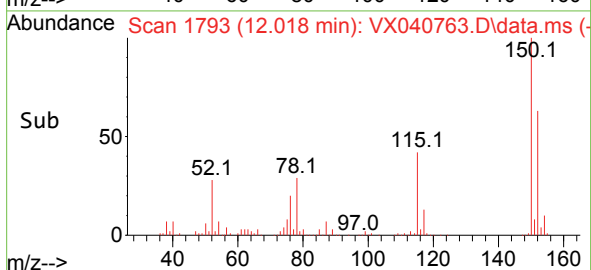
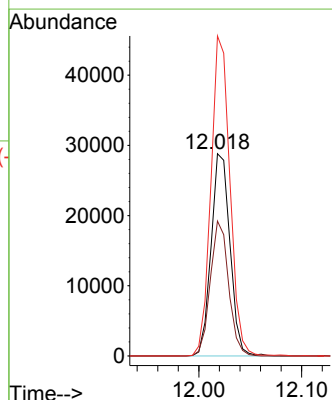
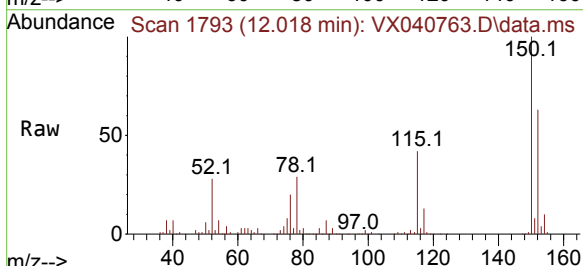
Tgt Ion:152 Resp: 36822

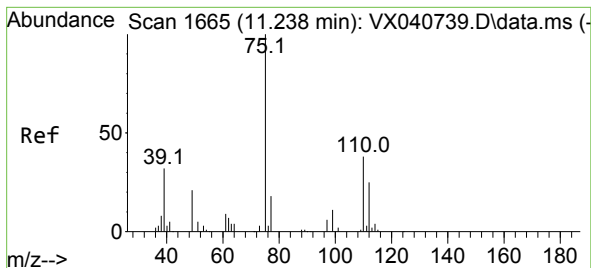
Ion Ratio Lower Upper

152 100

115 64.6 43.3 129.9

150 159.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.459 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

Instrument :

MSVOA_X

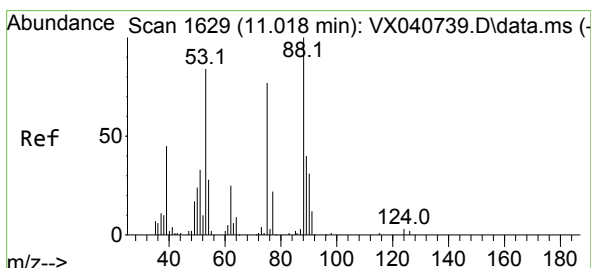
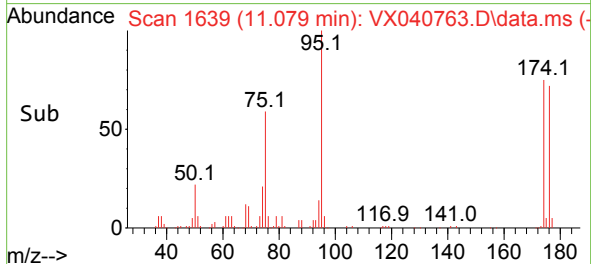
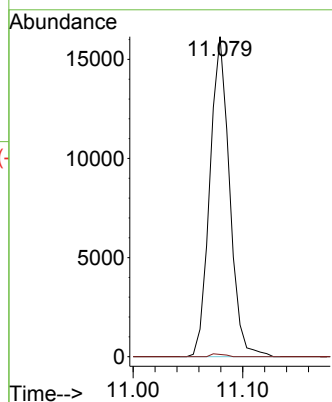
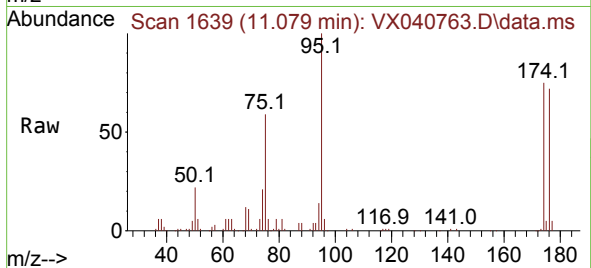
ClientSampleId :

Tgt Ion: 75 Resp: 20162

Ion Ratio Lower Upper

75 100

77 0.6 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.406 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040763.D

Acq: 21 Mar 2024 23:06

Tgt Ion: 75 Resp: 20162

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

