

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040757.D
 Acq On : 21 Mar 2024 20:49
 Operator : JC/MD
 Sample : PB159677ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#08

Quant Time: Mar 22 03:01:45 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

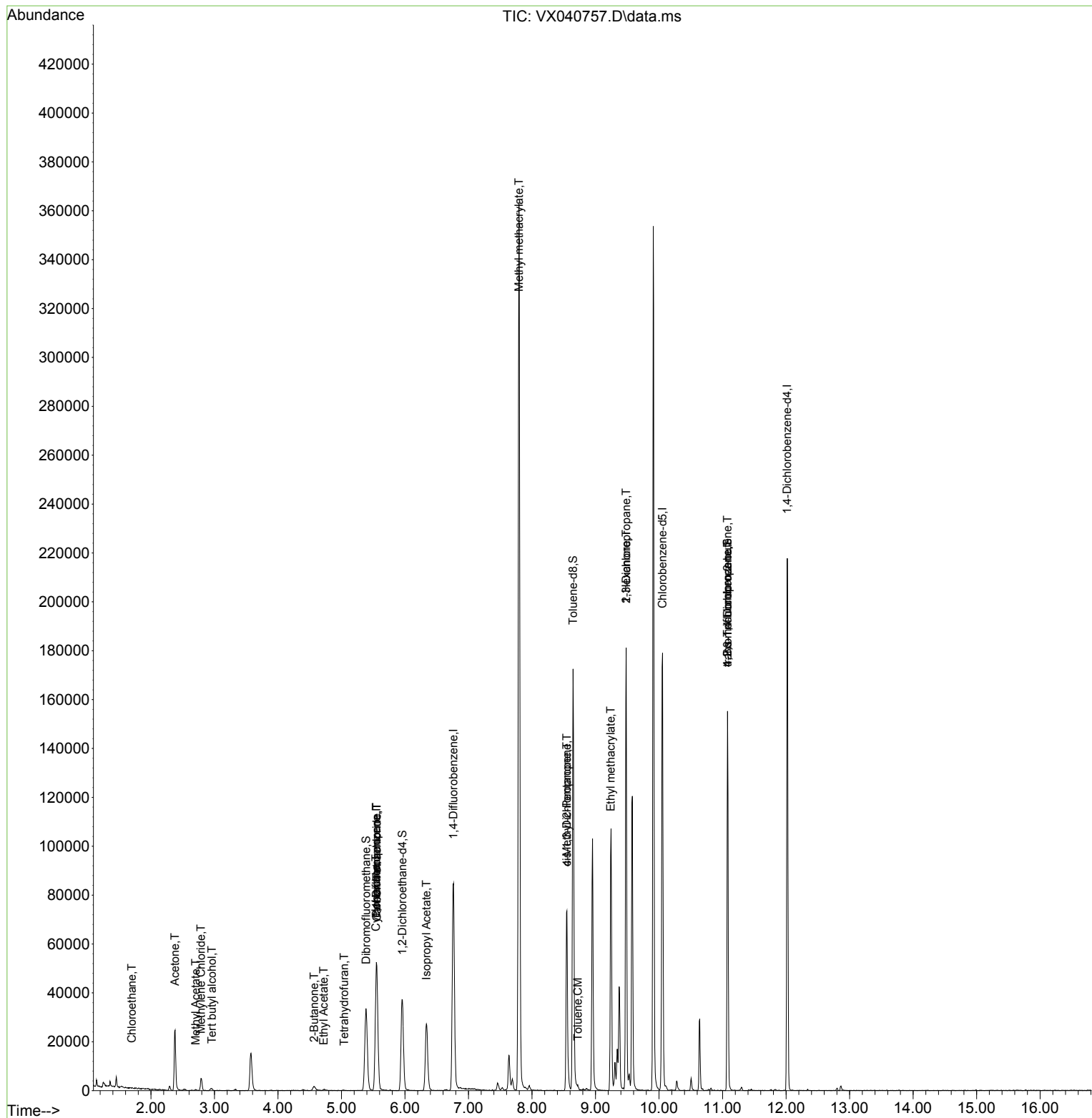
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	46649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	82895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	77147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	39919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38265	48.784	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.560%
35) Dibromofluoromethane	5.385	113	28048	45.219	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.440%
50) Toluene-d8	8.647	98	96986	45.665	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.340%#
62) 4-Bromofluorobenzene	11.079	95	38111	45.419	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.840%
Target Compounds						
					Qvalue	
6) Chloroethane	1.697	64	120	0.292	ug/l #	43
11) Tert butyl alcohol	2.959	59	920	7.324	ug/l #	78
16) Acetone	2.380	43	27416	98.679	ug/l	96
18) Methyl Acetate	2.703	43	588	0.790	ug/l #	53
20) Methylene Chloride	2.788	84	2283	3.759	ug/l #	89
25) 2-Butanone	4.568	43	3044	6.995	ug/l	97
29) Tetrahydrofuran	5.044	42	207	0.715	ug/l #	42
31) Cyclohexane	5.544	56	1219	1.308	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	4127	4.519	ug/l #	49
37) Ethyl Acetate	4.721	43	1203	1.160	ug/l #	69
38) Carbon Tetrachloride	5.556	117	5010	4.874	ug/l #	15
43) Isopropyl Acetate	6.336	43	39494	24.252	ug/l	97
48) Methyl methacrylate	7.793	41	33623	45.173	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	28983	28.698	ug/l #	47
52) Toluene	8.720	92	437	0.291	ug/l	98
54) cis-1,3-Dichloropropene	8.549	75	11316	11.046	ug/l #	65
56) Ethyl methacrylate	9.238	69	287	0.280	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1562	1.494	ug/l #	42
59) 2-Hexanone	9.482	43	21644	27.666	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	22309	25.984	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	22309	65.735	ug/l #	5

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

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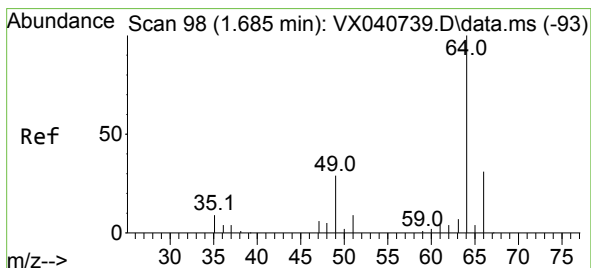
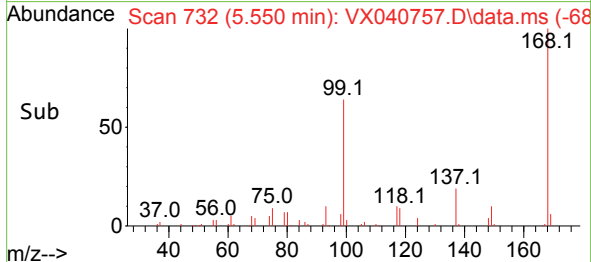
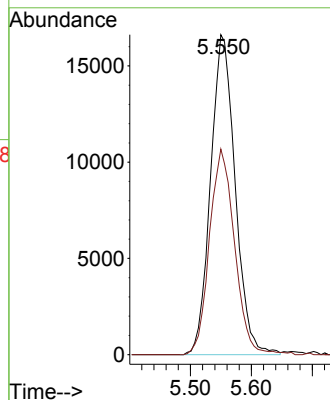
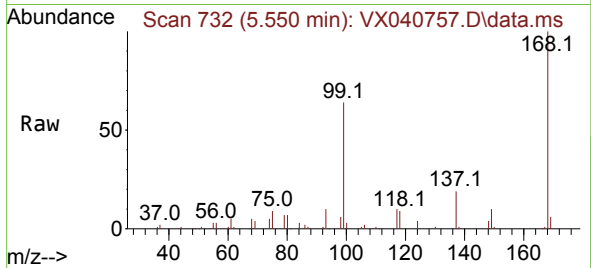




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

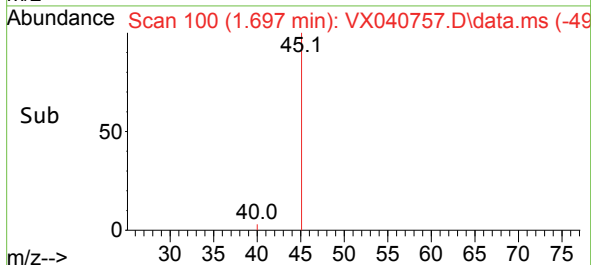
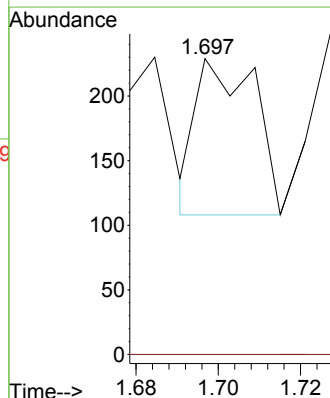
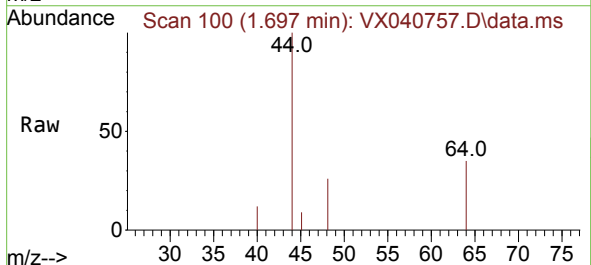
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

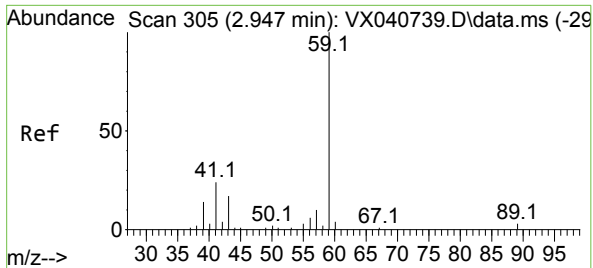
Tgt Ion:168 Resp: 46649
Ion Ratio Lower Upper
168 100
99 64.2 56.6 85.0



#6
Chloroethane
Concen: 0.292 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

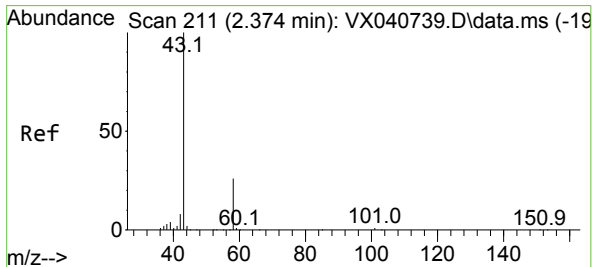
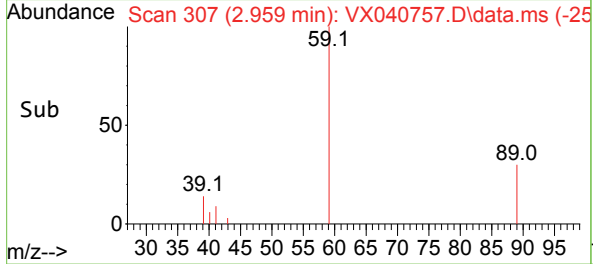
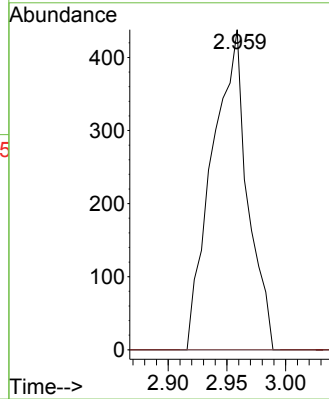
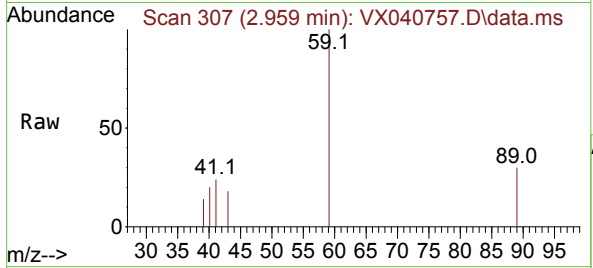




#11
Tert butyl alcohol
Concen: 7.324 ug/l
RT: 2.959 min Scan# 305
Delta R.T. 0.012 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

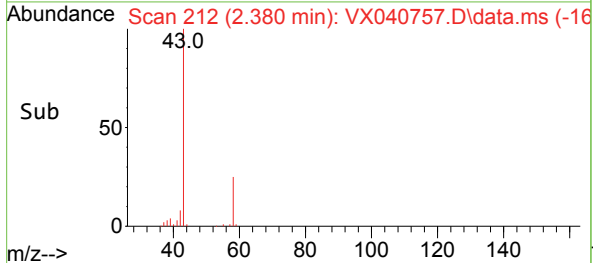
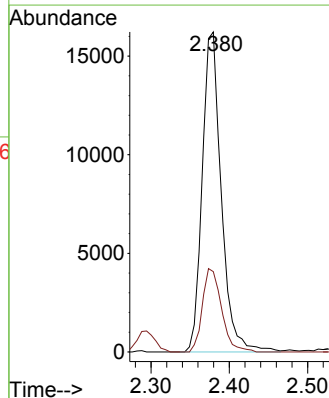
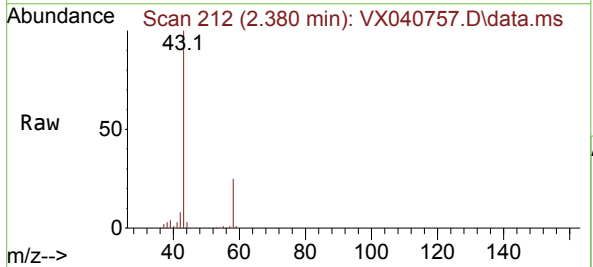
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

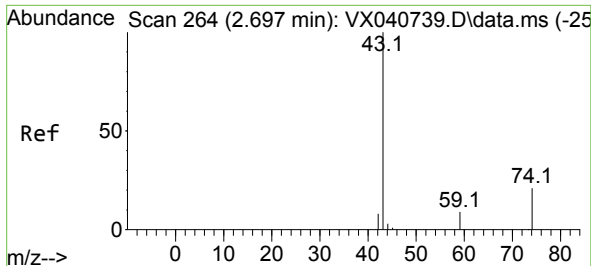
Tgt Ion: 59 Resp: 920
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 98.679 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Tgt Ion: 43 Resp: 27416
Ion Ratio Lower Upper
43 100
58 25.1 21.9 32.9

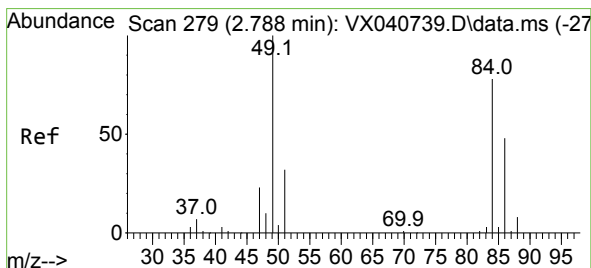
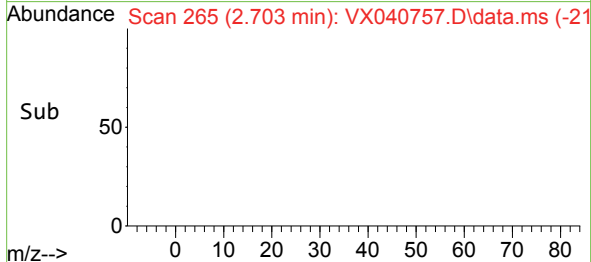
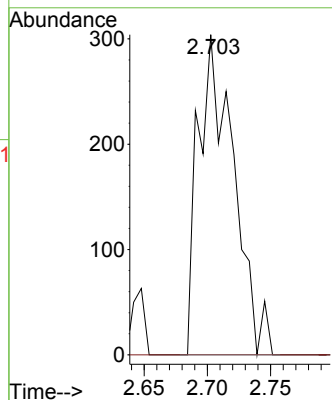
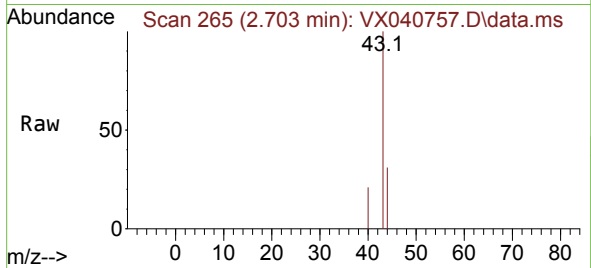




#18
Methyl Acetate
Concen: 0.790 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

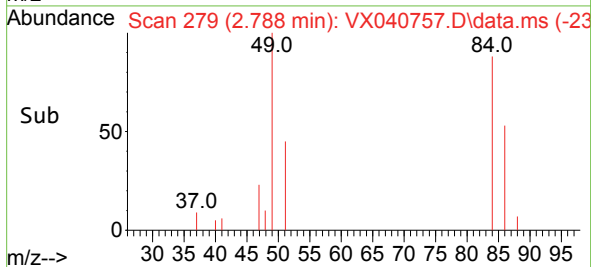
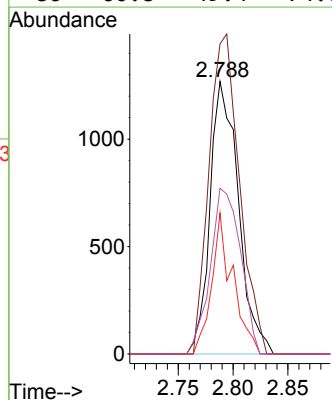
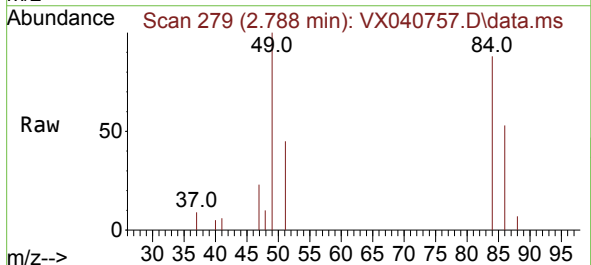
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

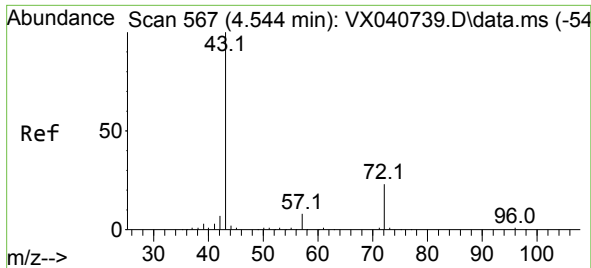
Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 3.759 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Tgt Ion: 84 Resp: 2283
Ion Ratio Lower Upper
84 100
49 113.8 103.6 155.4
51 51.7 33.8 50.6#
86 60.8 49.4 74.0

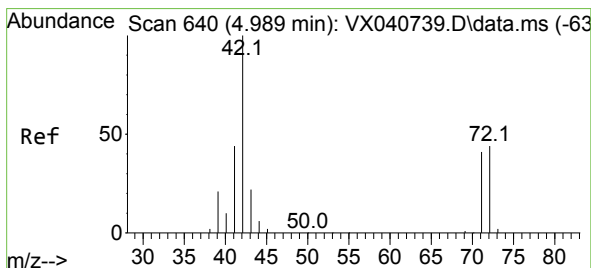
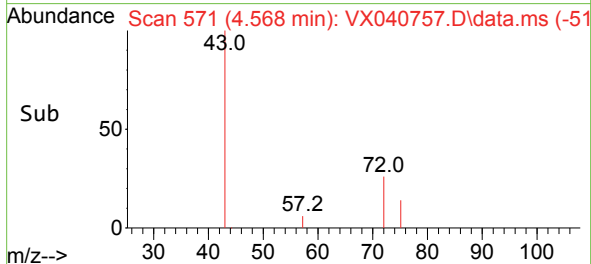
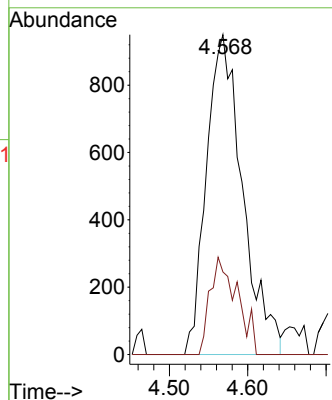
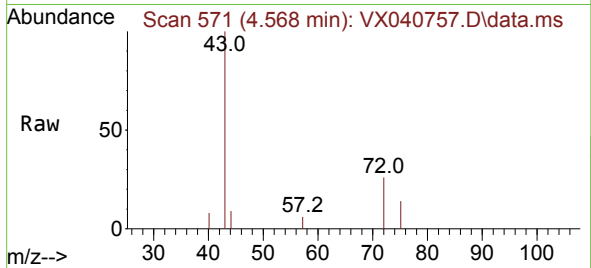




#25
2-Butanone
Concen: 6.995 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

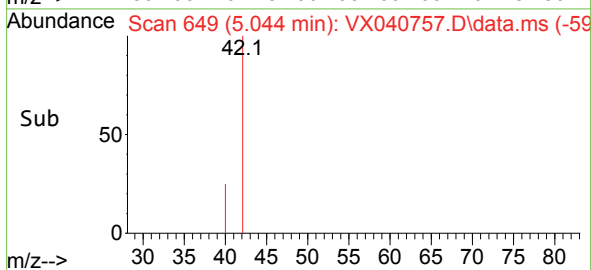
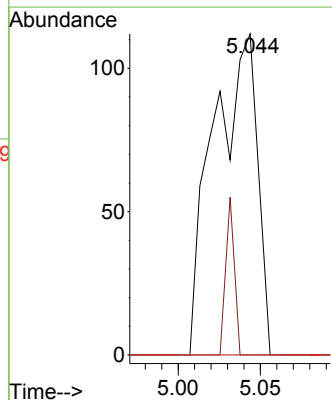
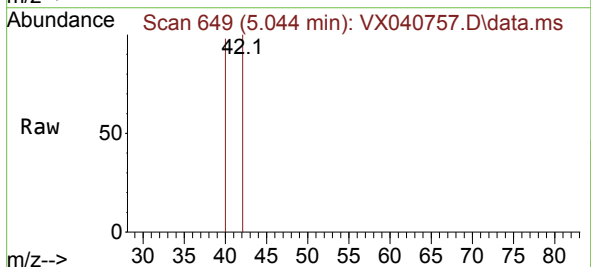
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

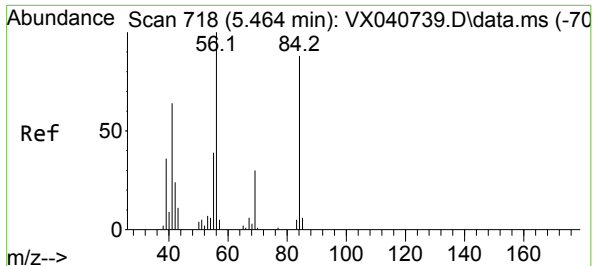
Tgt Ion: 43 Resp: 3044
Ion Ratio Lower Upper
43 100
72 25.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.715 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.055 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

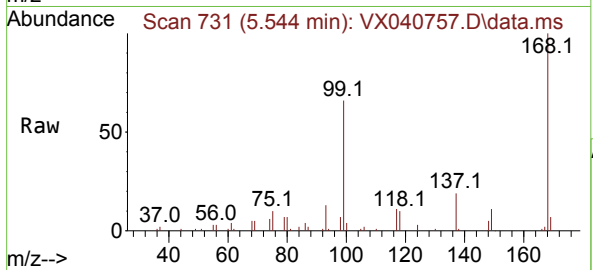
Tgt Ion: 42 Resp: 207
Ion Ratio Lower Upper
42 100
72 9.7 34.2 51.4#
71 0.0 32.2 48.2#



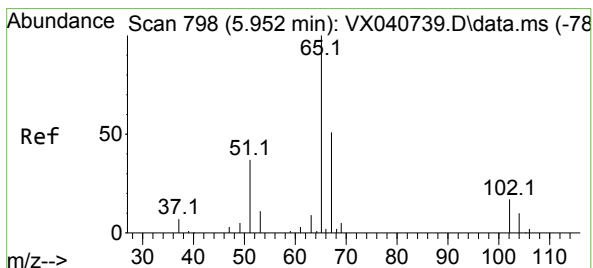
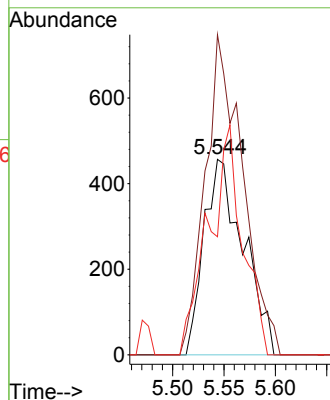
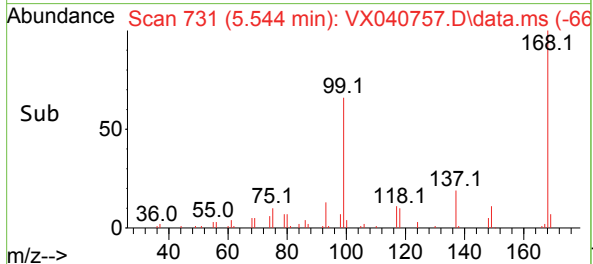


#31
Cyclohexane
Concen: 1.308 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

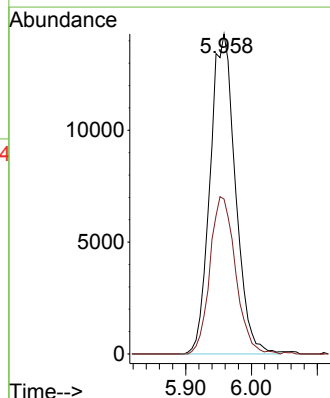
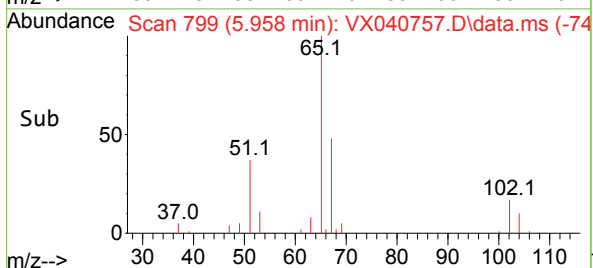
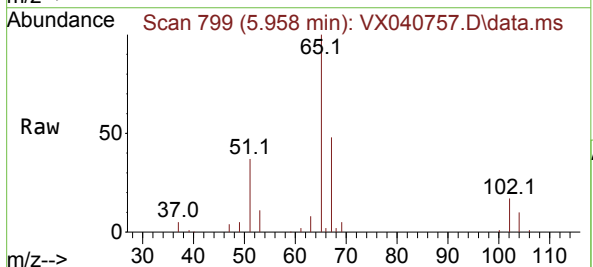


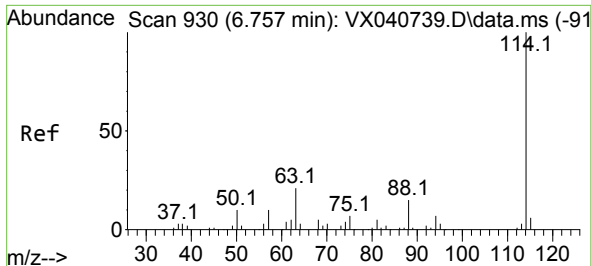
Tgt Ion: 56 Resp: 1219
Ion Ratio Lower Upper
56 100
69 163.7 23.4 35.2#
84 60.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.784 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Tgt Ion: 65 Resp: 38265
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.2

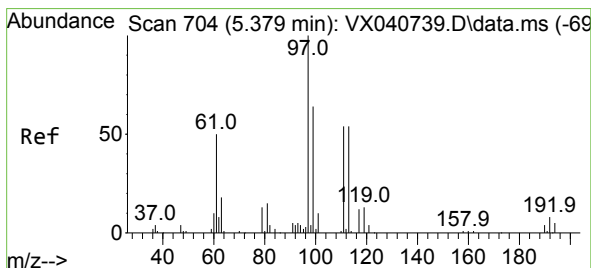
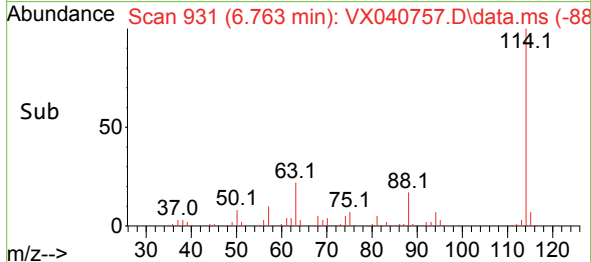
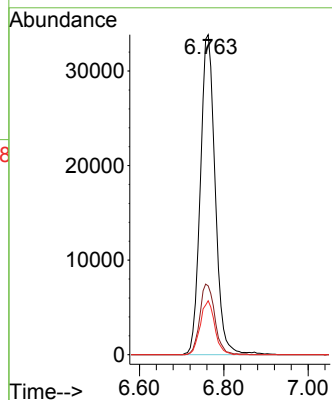
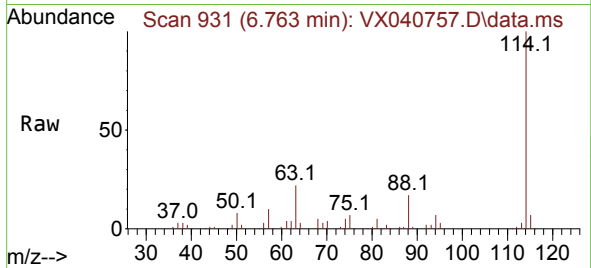




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

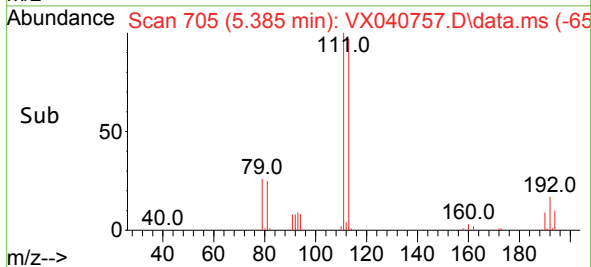
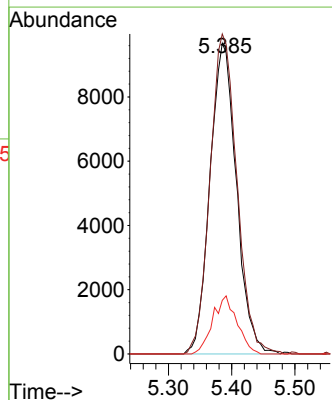
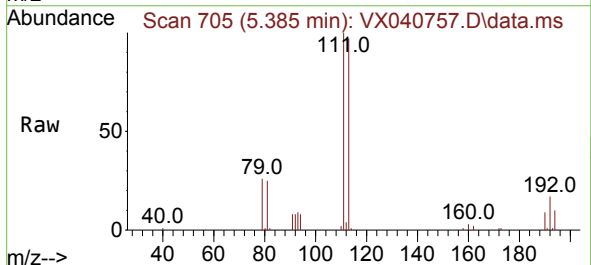
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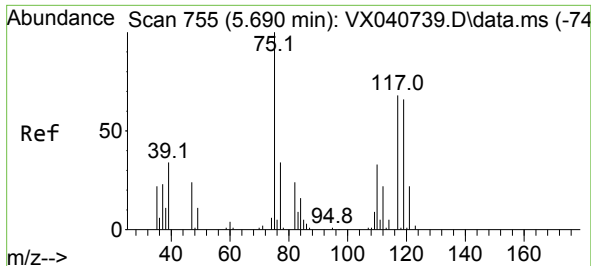
Tgt Ion:114 Resp: 82895
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.219 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

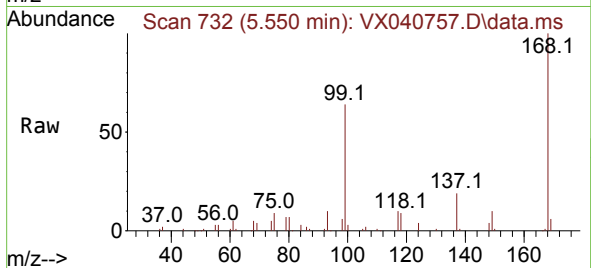
Tgt Ion:113 Resp: 28048
Ion Ratio Lower Upper
113 100
111 104.7 82.9 124.3
192 17.2 13.3 19.9



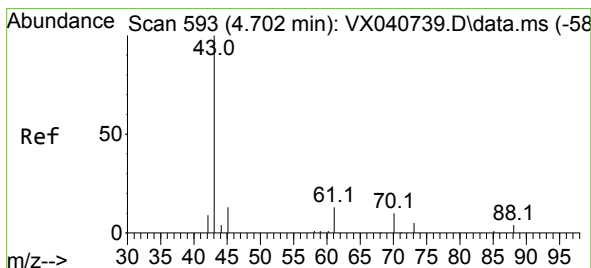
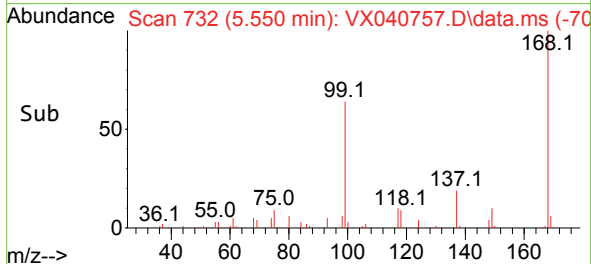
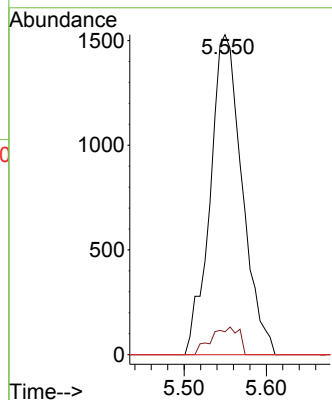


#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

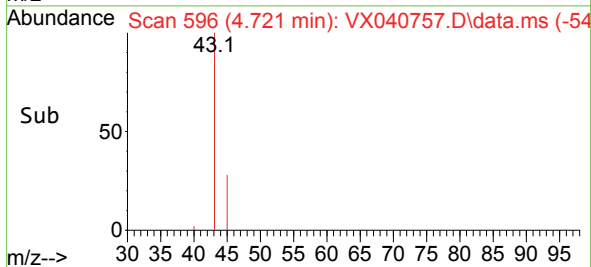
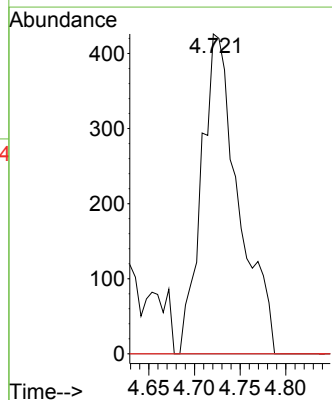
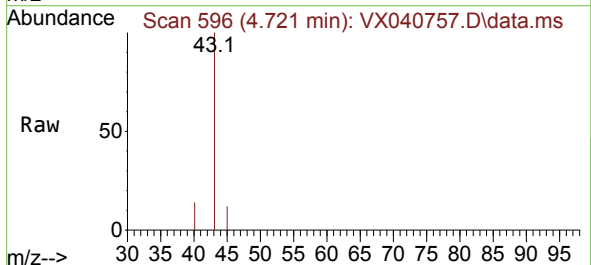


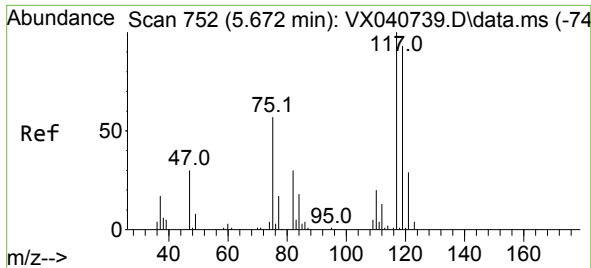
Tgt Ion: 75 Resp: 4127
Ion Ratio Lower Upper
75 100
110 7.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.160 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

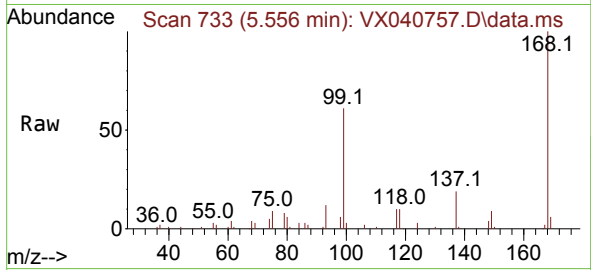
Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



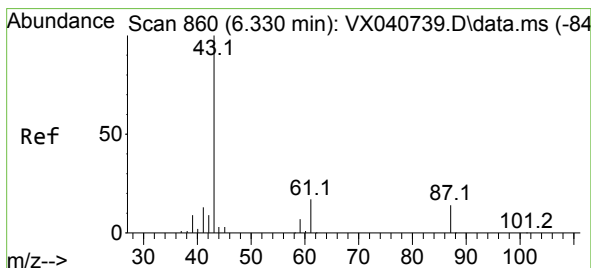
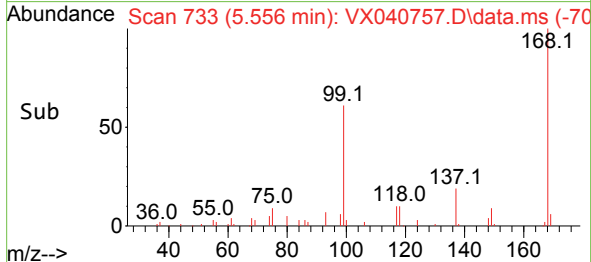
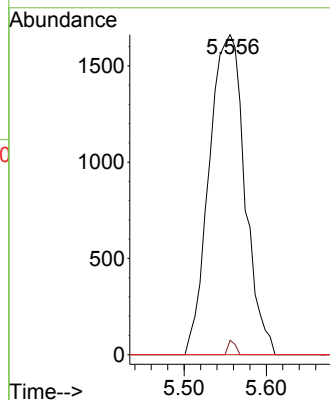


#38
Carbon Tetrachloride
Concen: 4.874 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

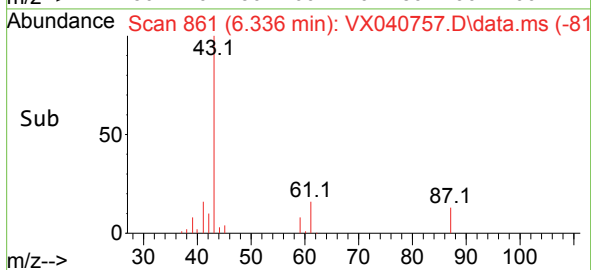
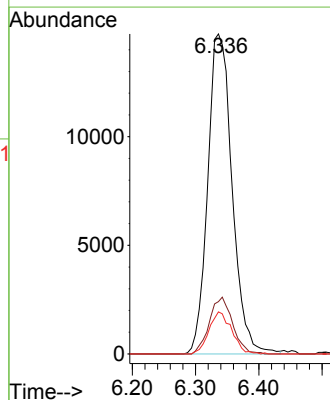
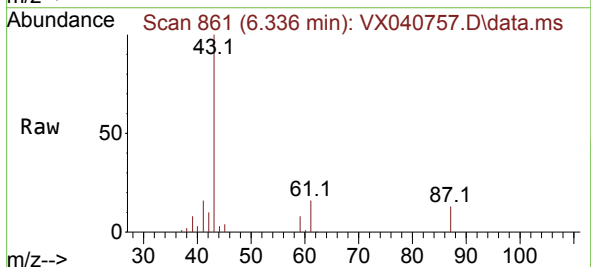


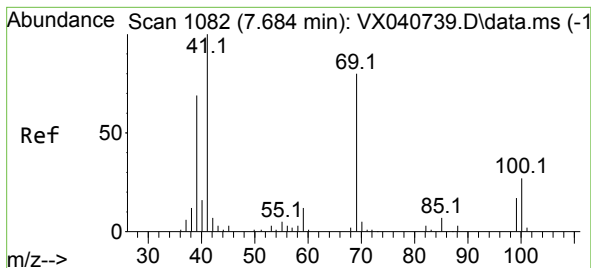
Tgt Ion:117 Resp: 5010
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 24.252 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Tgt Ion: 43 Resp: 39494
Ion Ratio Lower Upper
43 100
61 16.9 15.2 22.8
87 12.2 9.8 14.6





#48

Methyl methacrylate

Concen: 45.173 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.110 min

Lab File: VX040757.D

Acq: 21 Mar 2024 20:49

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#08

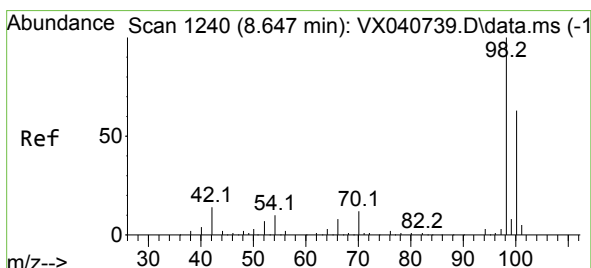
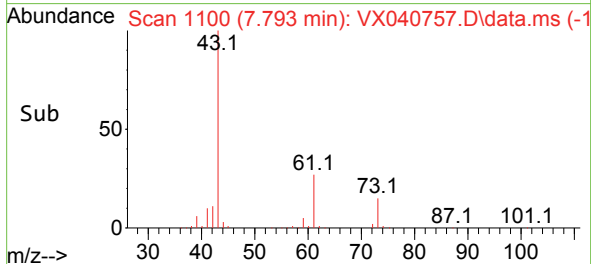
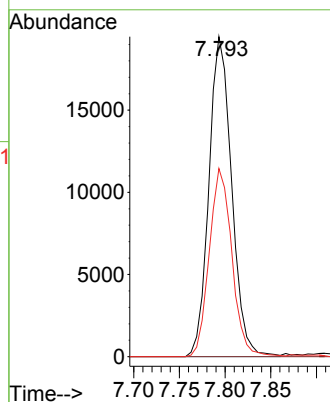
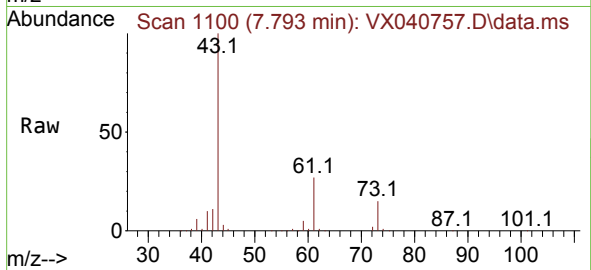
Tgt Ion: 41 Resp: 33623

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 58.7 47.7 71.5



#50

Toluene-d8

Concen: 45.665 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040757.D

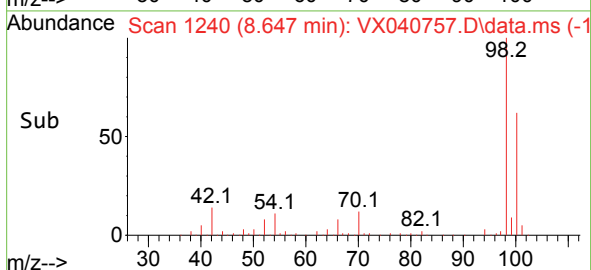
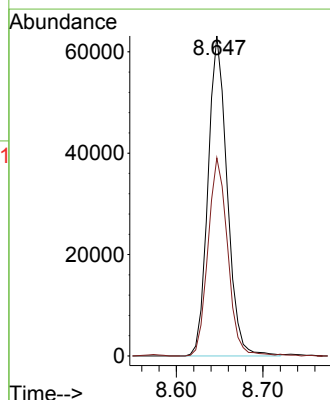
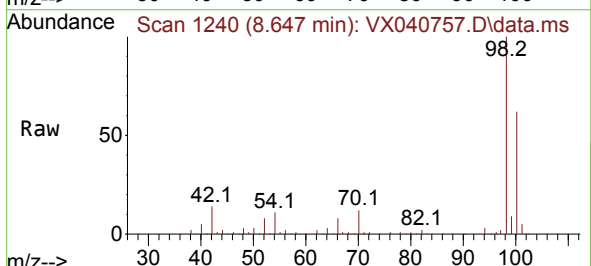
Acq: 21 Mar 2024 20:49

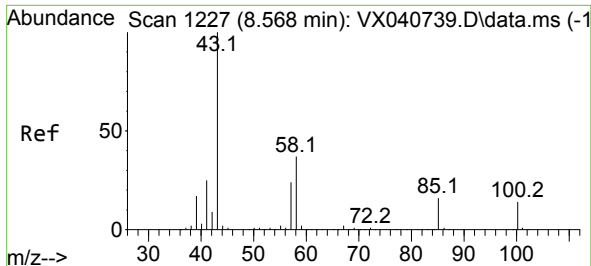
Tgt Ion: 98 Resp: 96986

Ion Ratio Lower Upper

98 100

100 63.6 53.1 79.7

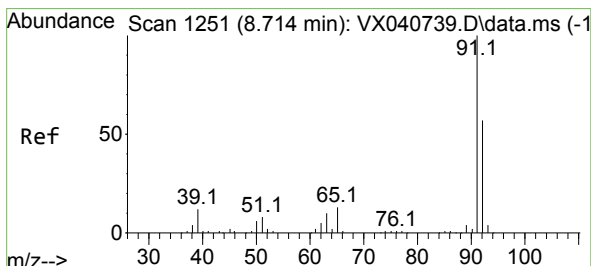
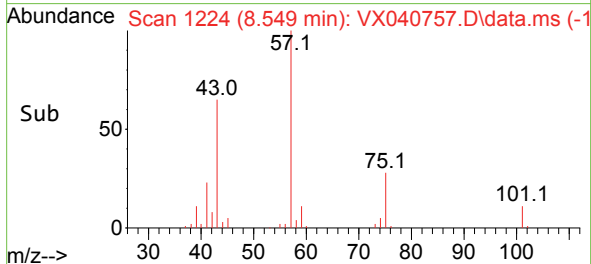
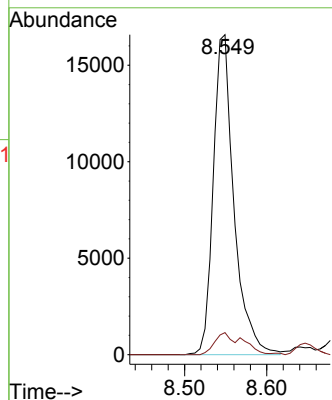
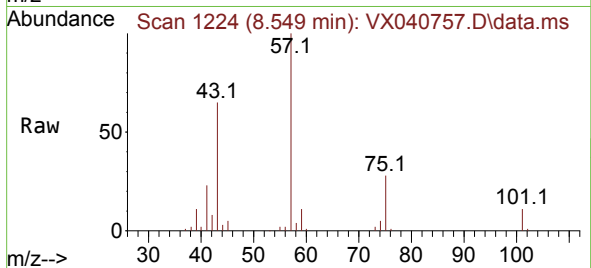




#51
4-Methyl-2-Pentanone
Concen: 28.698 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

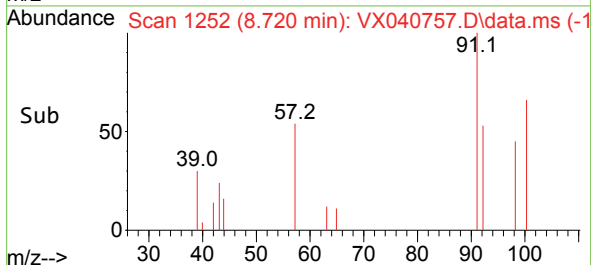
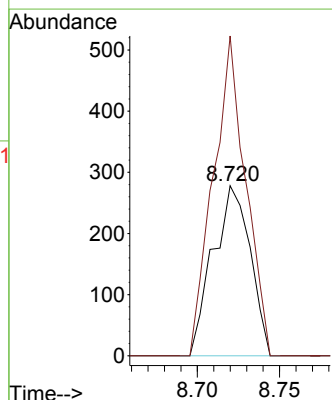
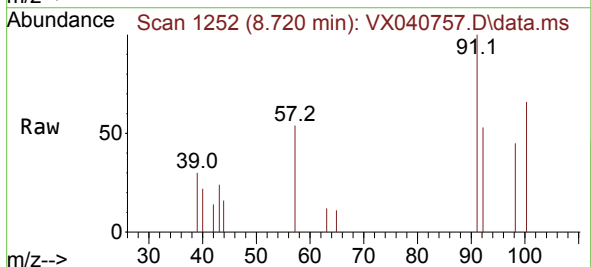
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

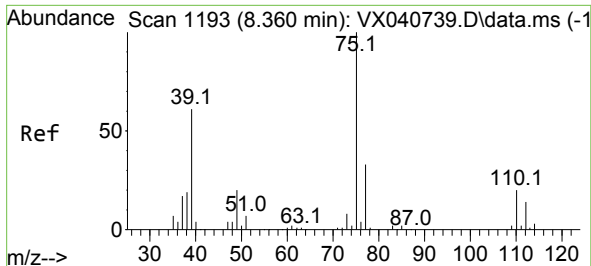
Tgt Ion: 43 Resp: 28983
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#



#52
Toluene
Concen: 0.291 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Tgt Ion: 92 Resp: 437
Ion Ratio Lower Upper
92 100
91 164.5 134.2 201.2

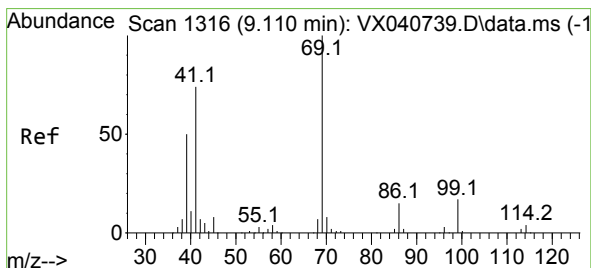
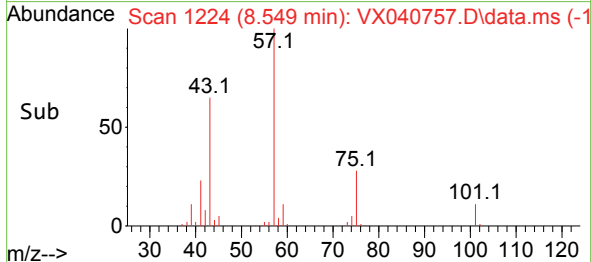
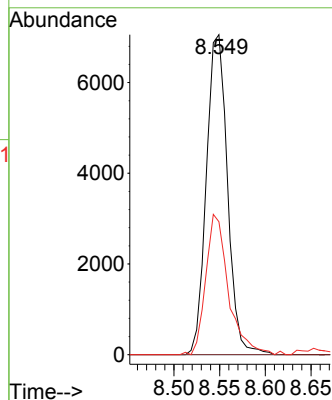
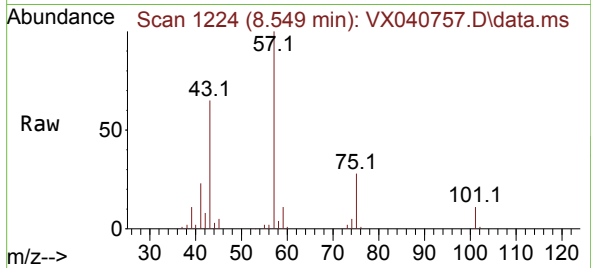




#54
cis-1,3-Dichloropropene
Concen: 11.046 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

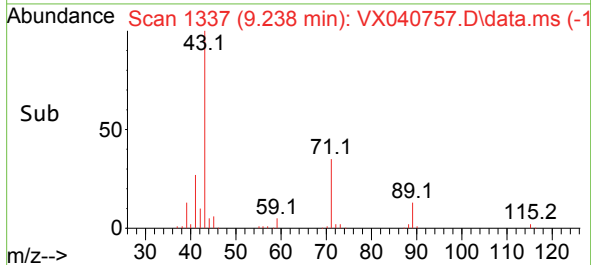
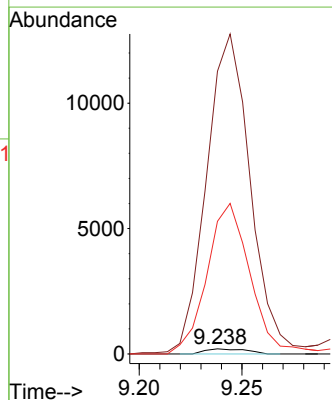
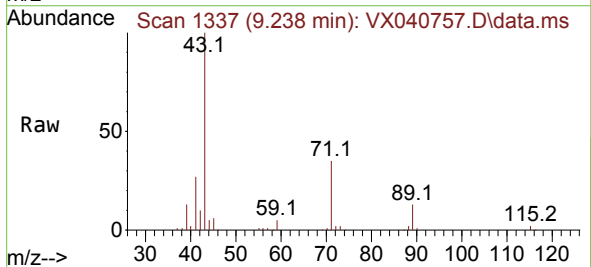
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

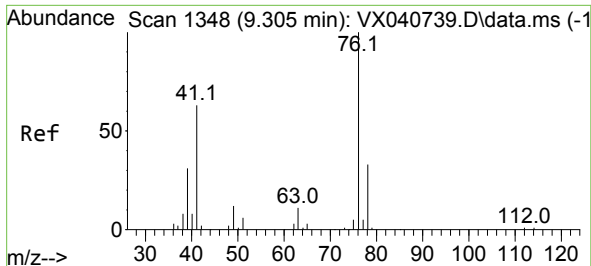
Tgt Ion: 75 Resp: 11316
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 41.5 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.280 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.128 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Tgt Ion: 69 Resp: 287
Ion Ratio Lower Upper
69 100
41 6626.5 56.8 85.2#
39 3065.9 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.494 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040757.D

Acq: 21 Mar 2024 20:49

Instrument :

MSVOA_X

ClientSampleId :

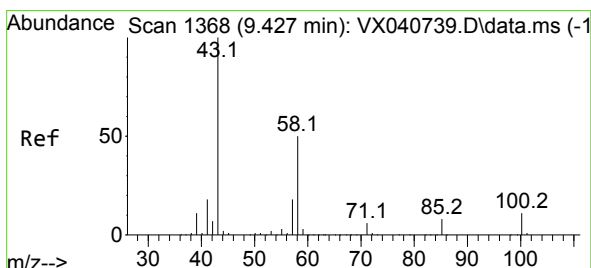
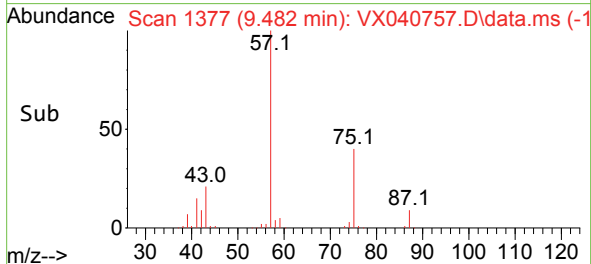
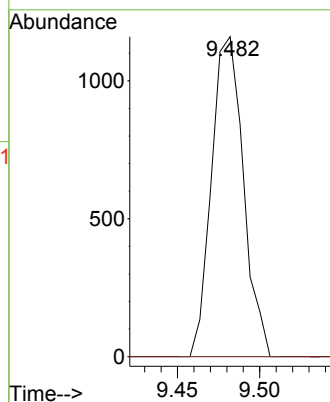
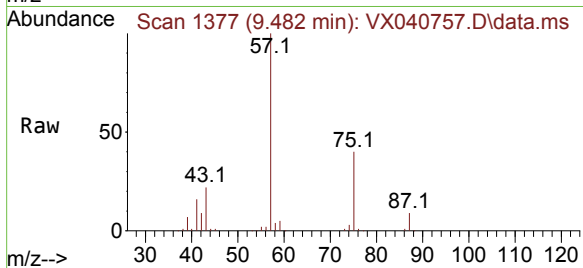
PB159677ZHE#08

Tgt Ion: 76 Resp: 1562

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 27.666 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040757.D

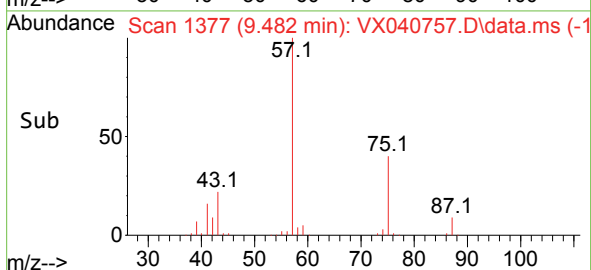
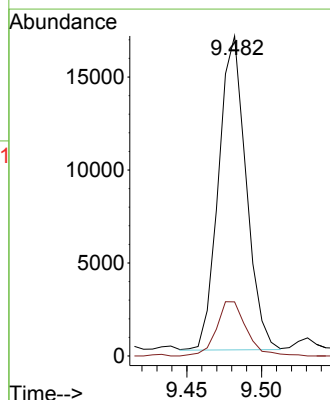
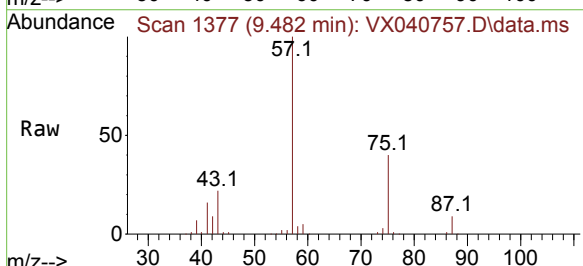
Acq: 21 Mar 2024 20:49

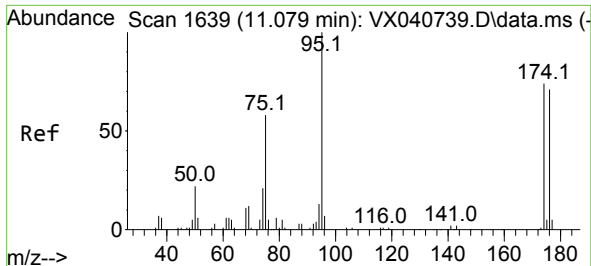
Tgt Ion: 43 Resp: 21644

Ion Ratio Lower Upper

43 100

58 18.9 26.2 78.5#

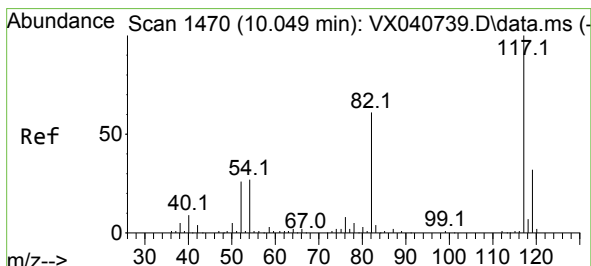
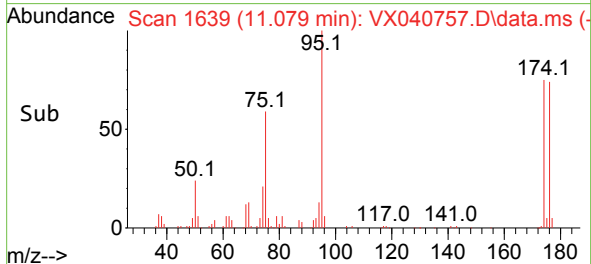
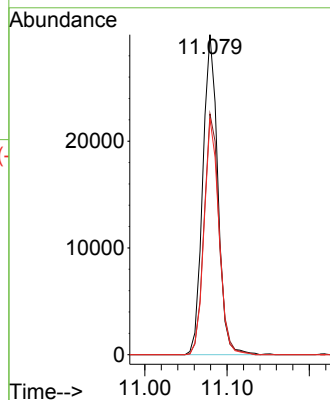
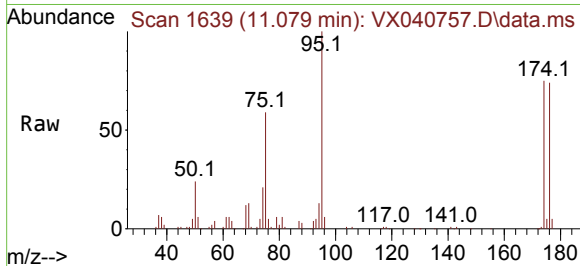




#62
4-Bromofluorobenzene
Concen: 45.419 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

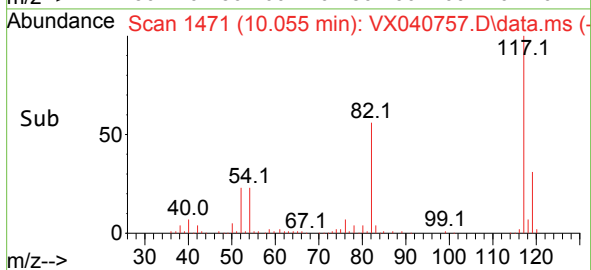
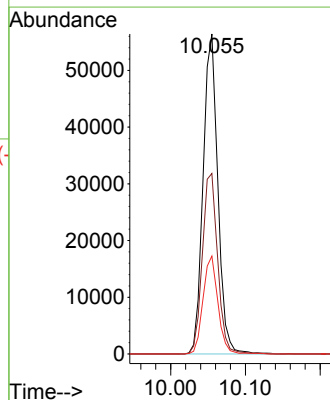
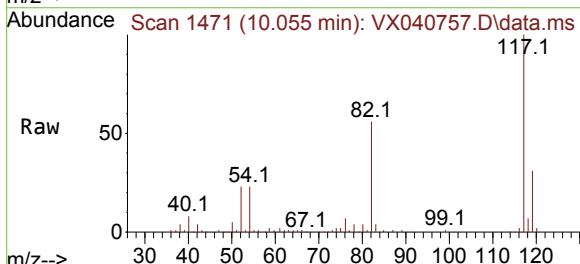
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#08

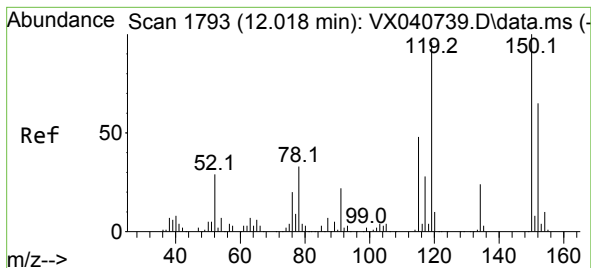
Tgt Ion: 95 Resp: 38111
Ion Ratio Lower Upper
95 100
174 75.2 0.0 135.6
176 72.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040757.D
Acq: 21 Mar 2024 20:49

Tgt Ion: 117 Resp: 77147
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 30.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040757.D

Acq: 21 Mar 2024 20:49

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#08

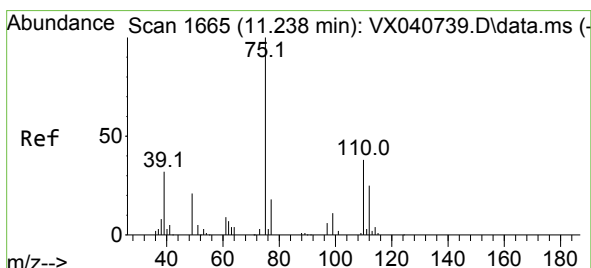
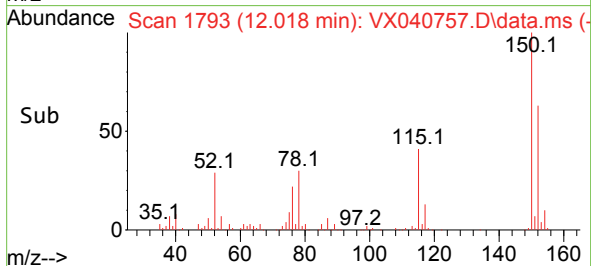
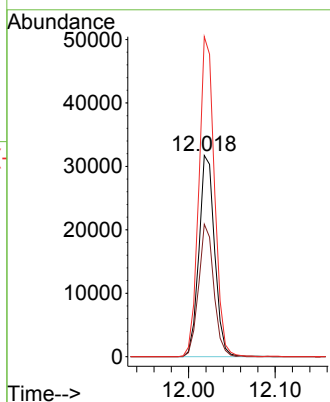
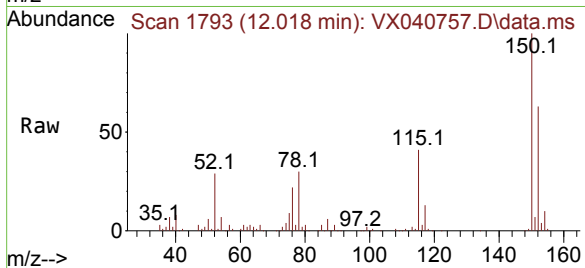
Tgt Ion:152 Resp: 39919

Ion Ratio Lower Upper

152 100

115 63.9 43.3 129.9

150 158.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.984 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040757.D

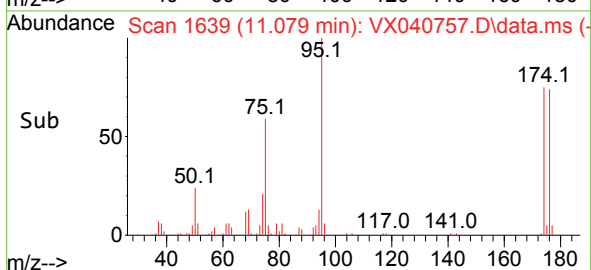
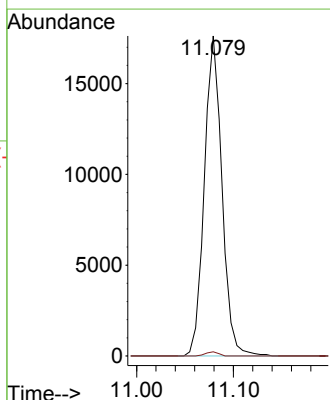
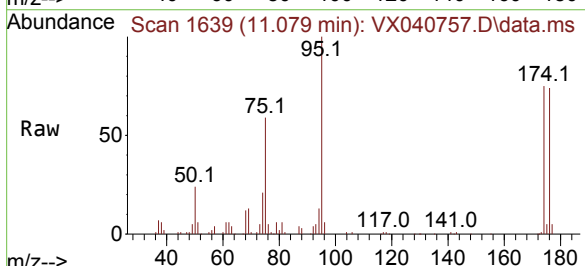
Acq: 21 Mar 2024 20:49

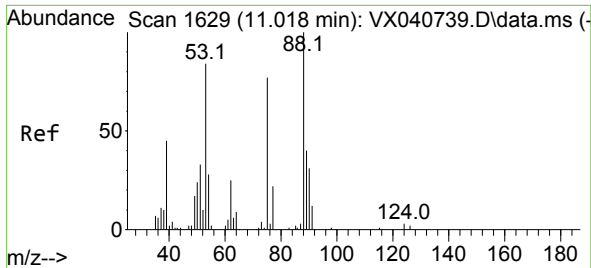
Tgt Ion: 75 Resp: 22309

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.735 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040757.D
 Acq: 21 Mar 2024 20:49

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#08

Tgt Ion: 75 Resp: 22309
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

