

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040758.D
 Acq On : 21 Mar 2024 21:12
 Operator : JC/MD
 Sample : PB159677ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#09

Quant Time: Mar 22 03:02:09 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)

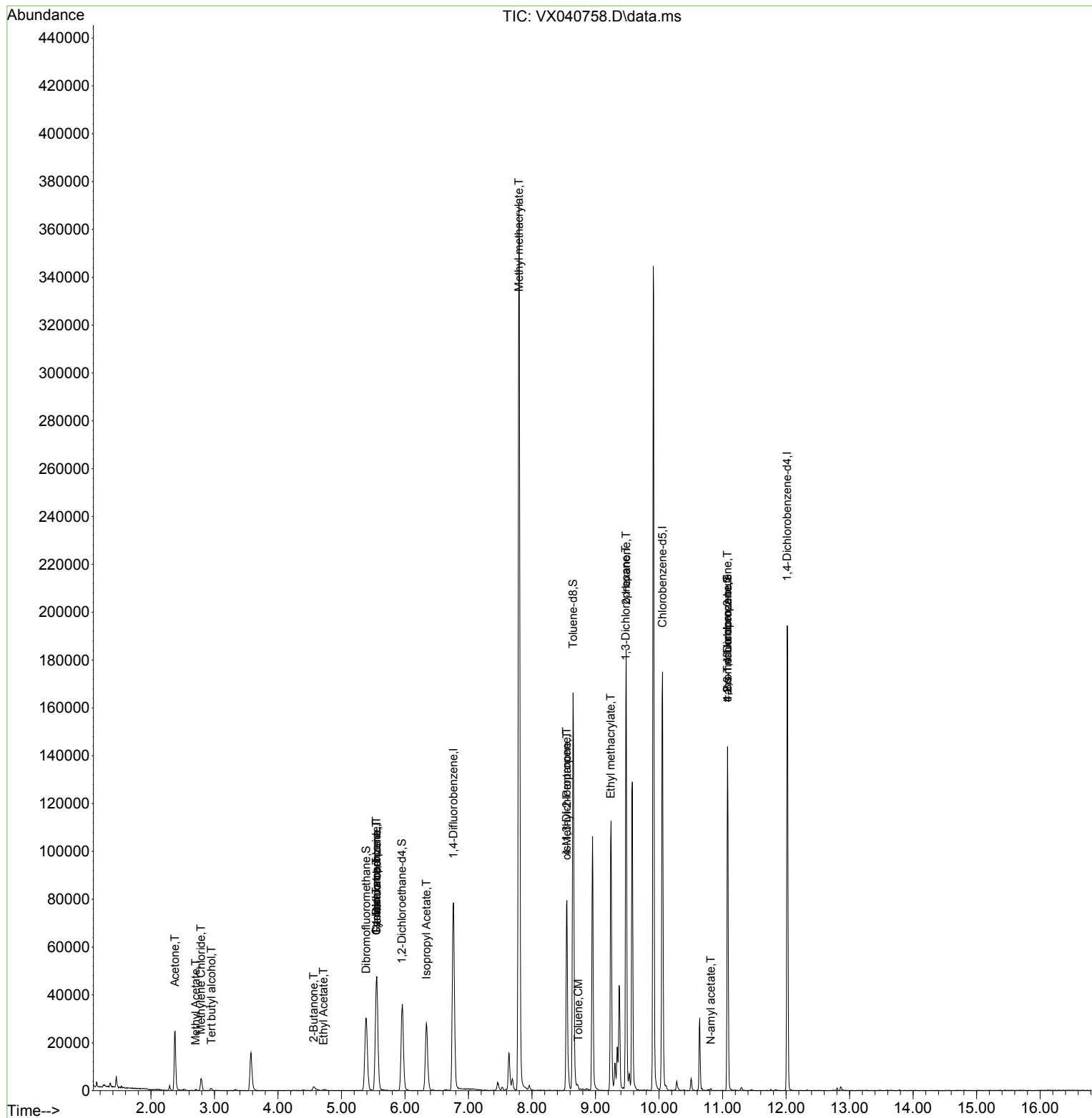
Internal Standards						
1) Pentafluorobenzene	5.555	168	42116	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	76557	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	73323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	35881	50.668	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.340%
35) Dibromofluoromethane	5.385	113	25665	44.803	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.600%
50) Toluene-d8	8.646	98	95663	48.771	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.540%
62) 4-Bromofluorobenzene	11.079	95	35666	46.024	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.952	59	957	8.439	ug/l #	78
16) Acetone	2.379	43	28184	112.361	ug/l	97
18) Methyl Acetate	2.702	43	575	0.855	ug/l #	53
20) Methylene Chloride	2.788	84	2320	4.231	ug/l	91
25) 2-Butanone	4.562	43	2795	7.114	ug/l	99
31) Cyclohexane	5.549	56	1233	1.465	ug/l #	38
36) 1,1-Dichloropropene	5.549	75	4012	4.757	ug/l #	50
37) Ethyl Acetate	4.714	43	470	0.491	ug/l #	74
38) Carbon Tetrachloride	5.549	117	4723	4.975	ug/l #	11
43) Isopropyl Acetate	6.336	43	39752	26.431	ug/l	97
48) Methyl methacrylate	7.793	41	35165	51.156	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	31834	34.131	ug/l #	46
52) Toluene	8.726	92	467	0.336	ug/l	95
54) cis-1,3-Dichloropropene	8.543	75	11635	12.298	ug/l #	66
56) Ethyl methacrylate	9.238	69	266	0.281	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	1587	1.644	ug/l #	42
59) 2-Hexanone	9.482	43	22705	31.425	ug/l #	52
74) N-amyl acetate	10.817	43	292	0.212	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	20741	26.142	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	20741	66.133	ug/l #	5

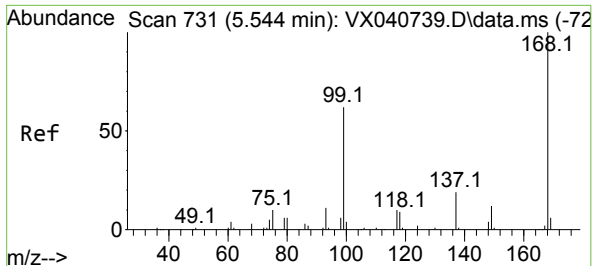
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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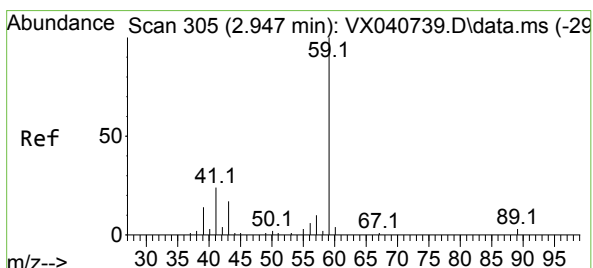
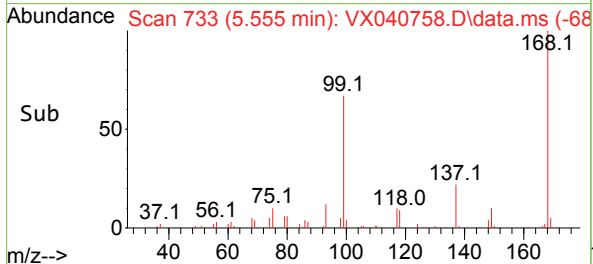
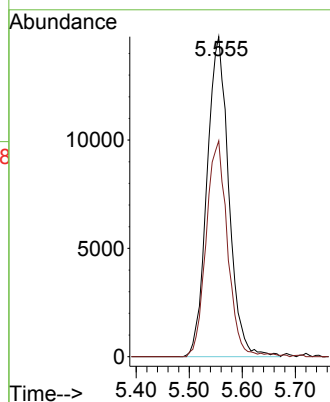
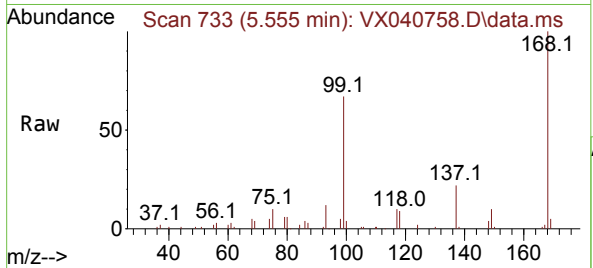




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.011 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

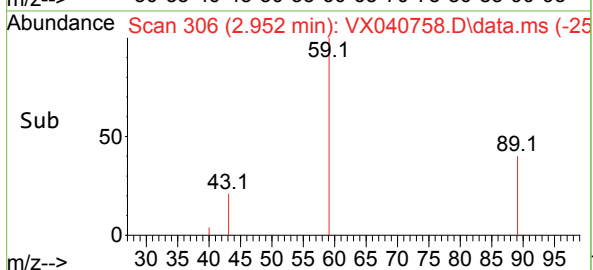
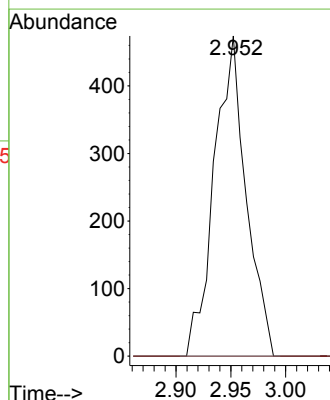
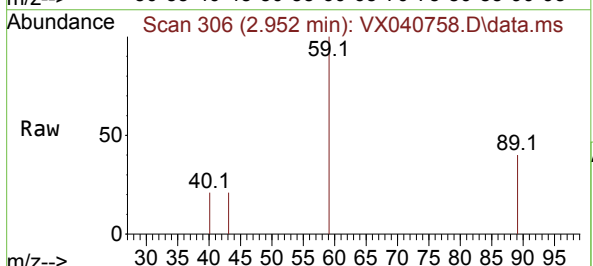
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#09

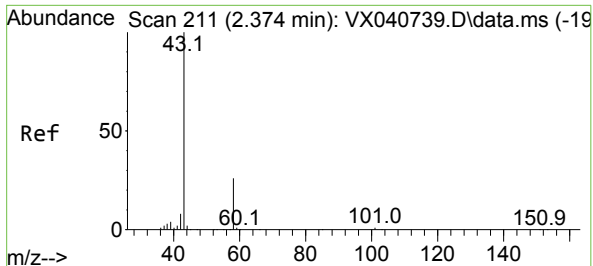
Tgt Ion:168 Resp: 42116
Ion Ratio Lower Upper
168 100
99 67.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 8.439 ug/l
RT: 2.952 min Scan# 306
Delta R.T. 0.005 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Tgt Ion: 59 Resp: 957
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

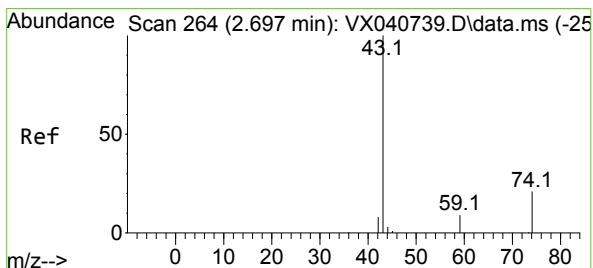
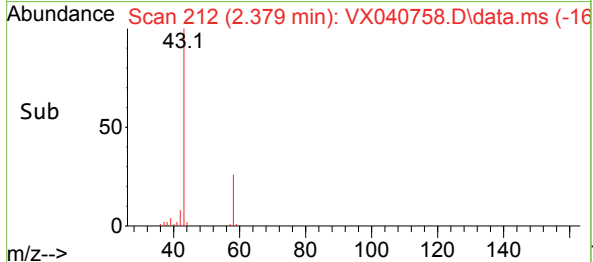
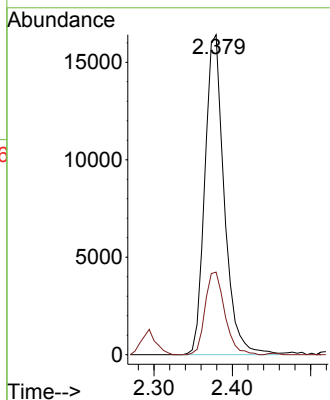
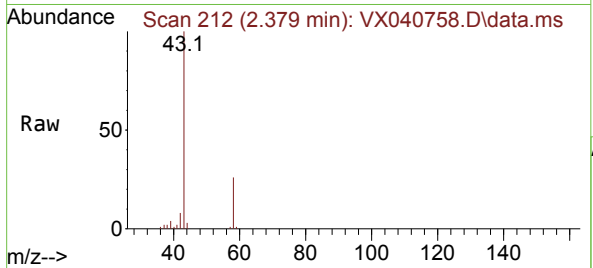




#16
Acetone
Concen: 112.361 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.005 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

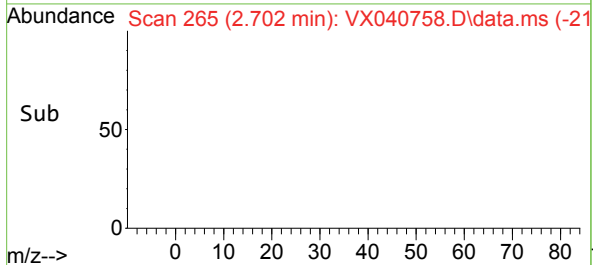
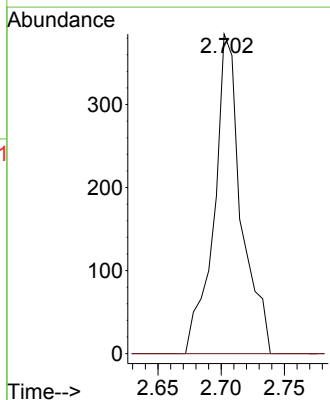
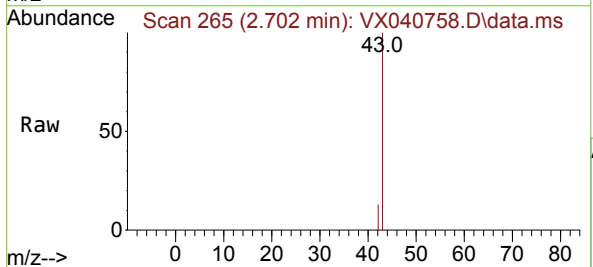
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#09

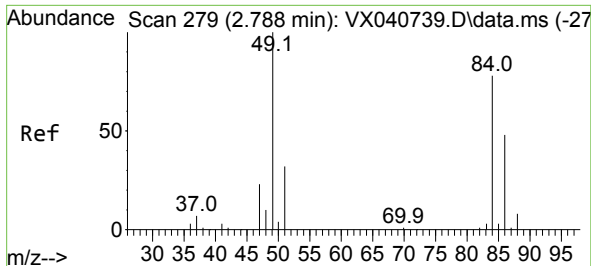
Tgt Ion: 43 Resp: 28184
Ion Ratio Lower Upper
43 100
58 25.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.855 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.005 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#





#20

Methylene Chloride

Concen: 4.231 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040758.D

Acq: 21 Mar 2024 21:12

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#09

Tgt Ion: 84 Resp: 2320

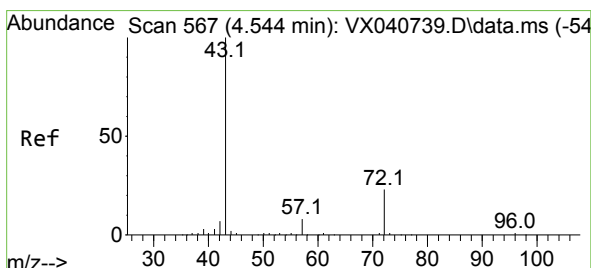
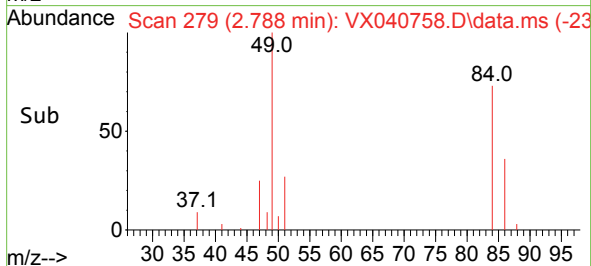
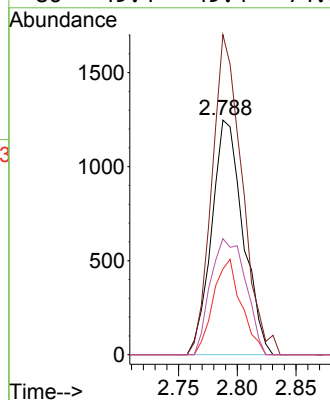
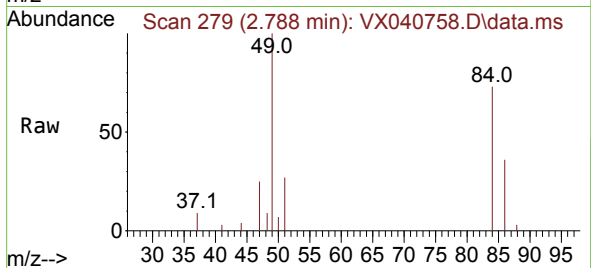
Ion Ratio Lower Upper

84 100

49 136.4 103.6 155.4

51 36.5 33.8 50.6

86 49.4 49.4 74.0



#25

2-Butanone

Concen: 7.114 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.018 min

Lab File: VX040758.D

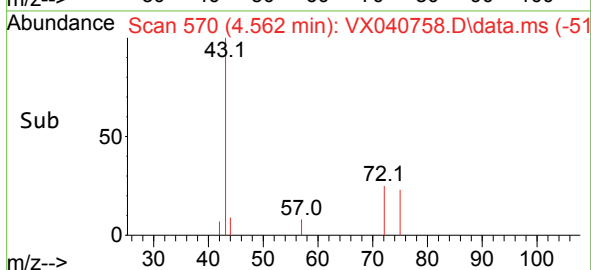
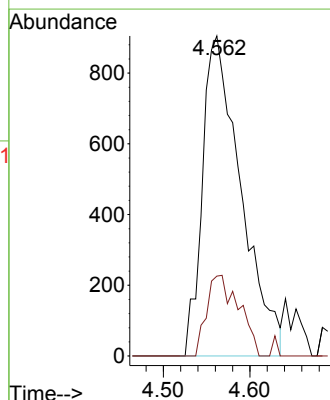
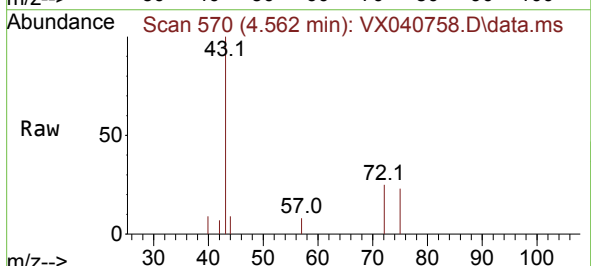
Acq: 21 Mar 2024 21:12

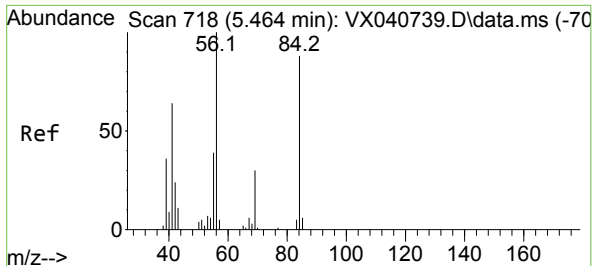
Tgt Ion: 43 Resp: 2795

Ion Ratio Lower Upper

43 100

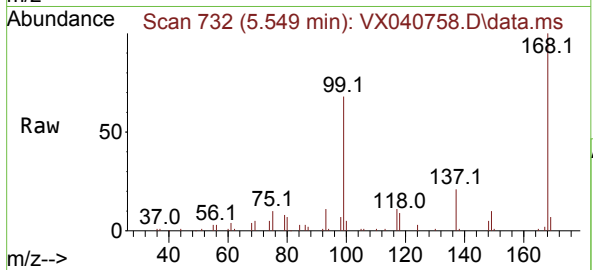
72 25.0 19.4 29.2



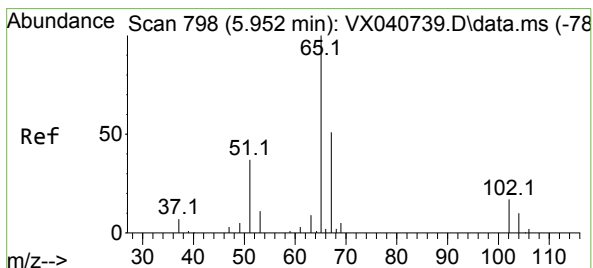
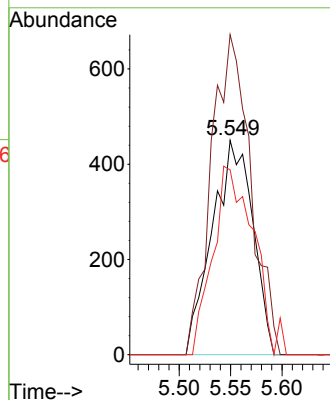
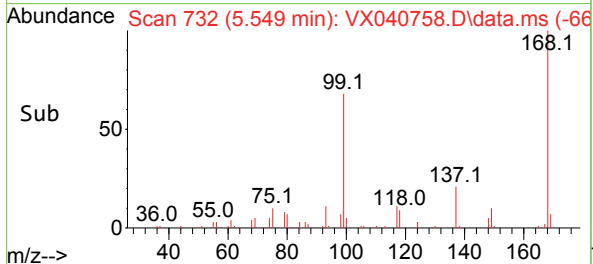


#31
Cyclohexane
Concen: 1.465 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#09

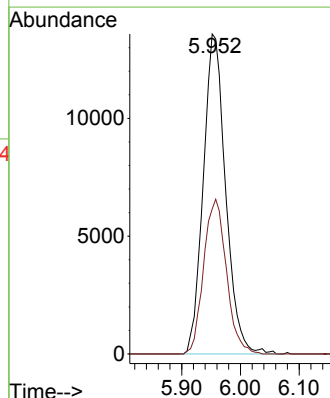
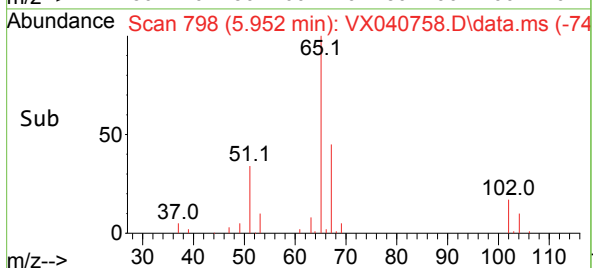
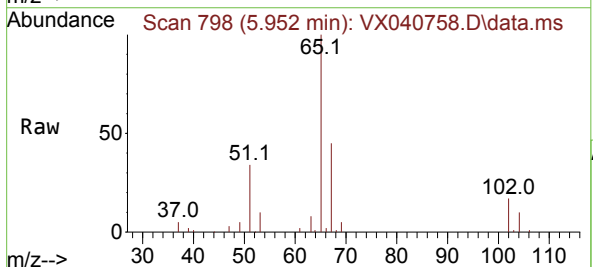


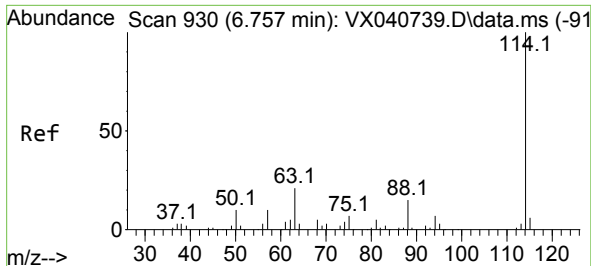
Tgt Ion: 56 Resp: 1233
Ion Ratio Lower Upper
56 100
69 149.3 23.4 35.2#
84 86.2 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 50.668 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Tgt Ion: 65 Resp: 35881
Ion Ratio Lower Upper
65 100
67 49.2 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: VX040758.D

Acq: 21 Mar 2024 21:12

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#09

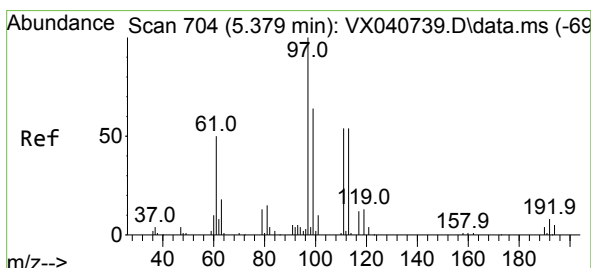
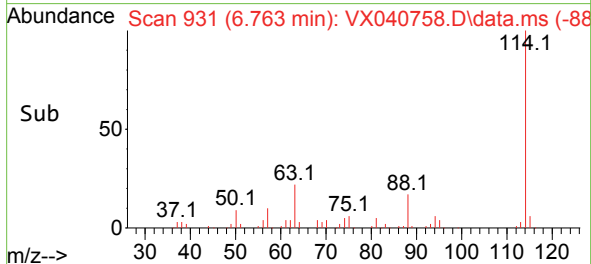
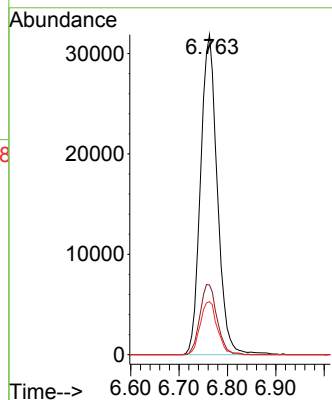
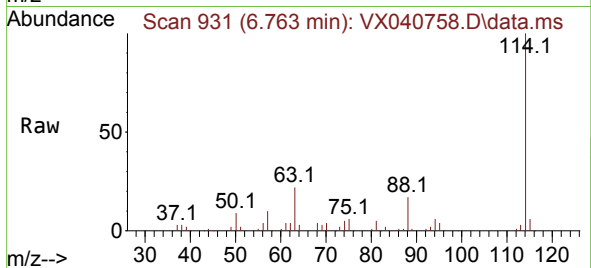
Tgt Ion:114 Resp: 76557

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.0

88 16.6 0.0 36.6



#35

Dibromofluoromethane

Concen: 44.803 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040758.D

Acq: 21 Mar 2024 21:12

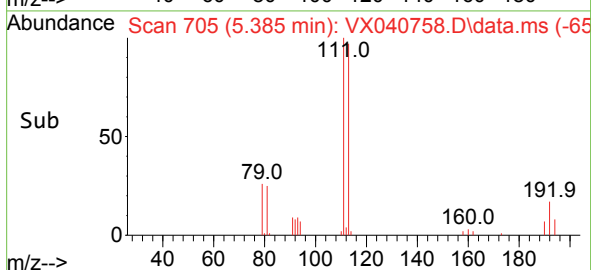
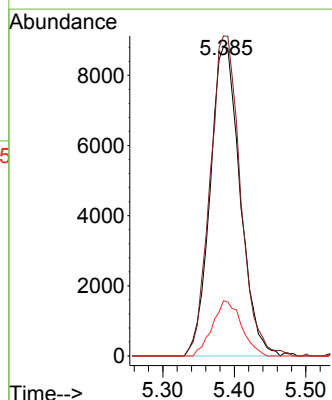
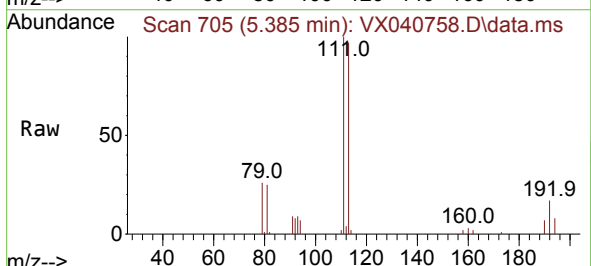
Tgt Ion:113 Resp: 25665

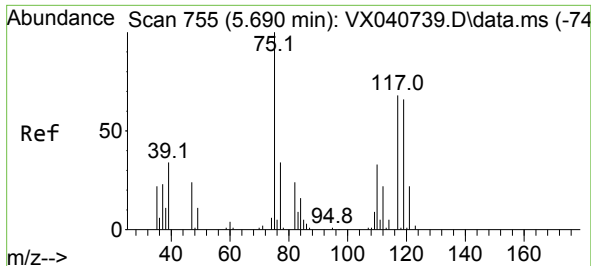
Ion Ratio Lower Upper

113 100

111 104.4 82.9 124.3

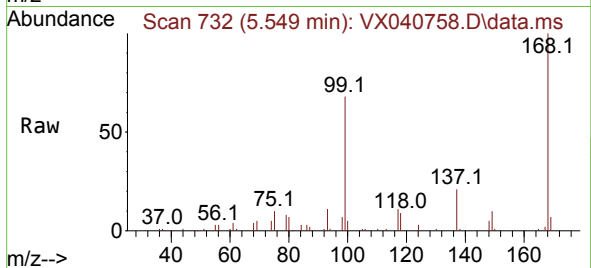
192 17.3 13.3 19.9



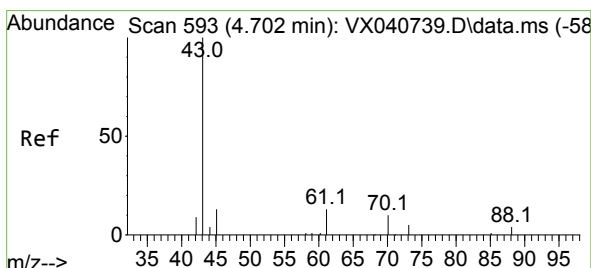
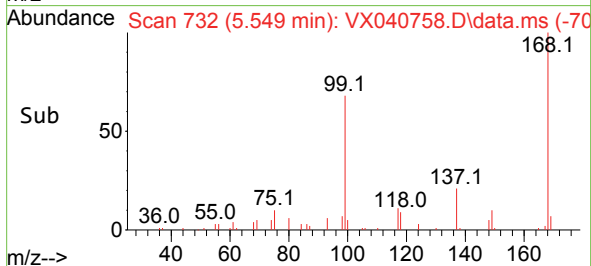
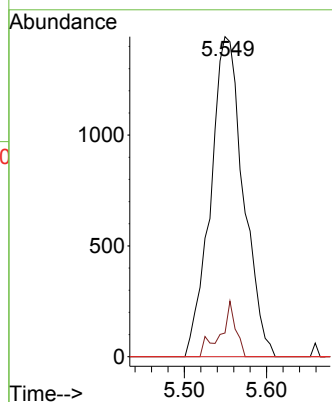


#36
1,1-Dichloropropene
Concen: 4.757 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#09

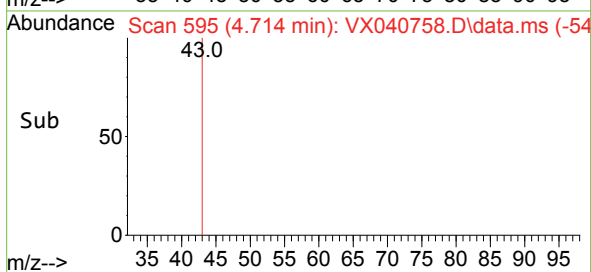
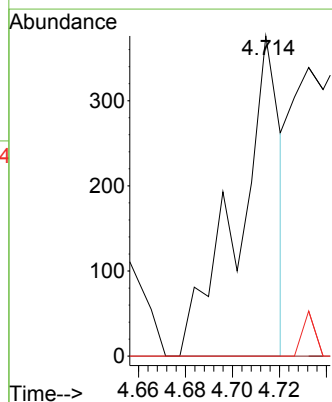
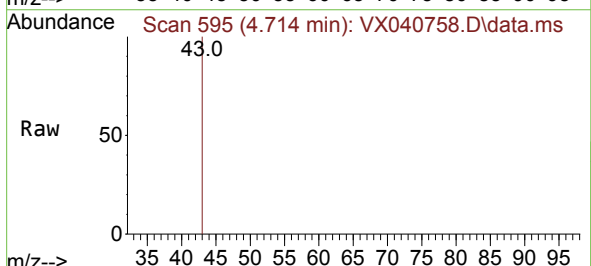


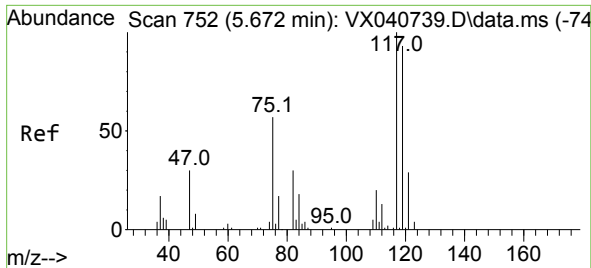
Tgt Ion: 75 Resp: 4012
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.491 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

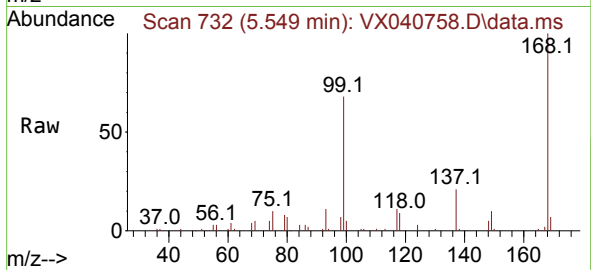
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 4.0 8.3 12.5#



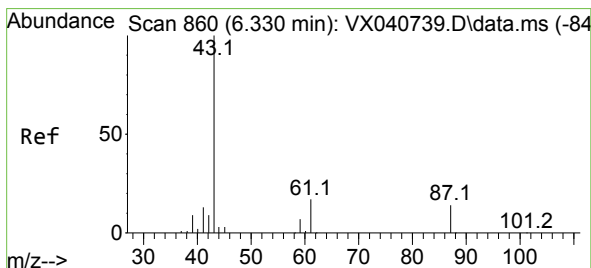
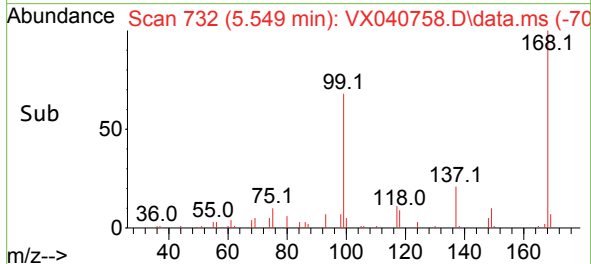
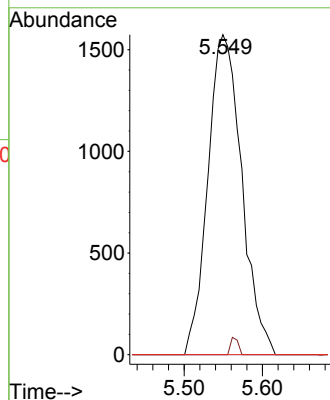


#38
Carbon Tetrachloride
Concen: 4.975 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#09

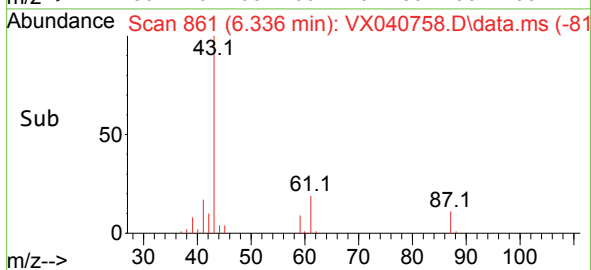
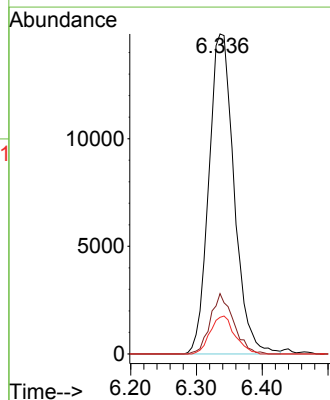
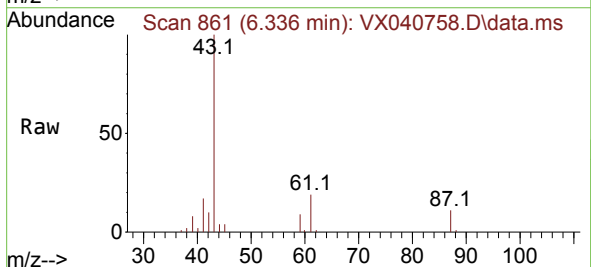


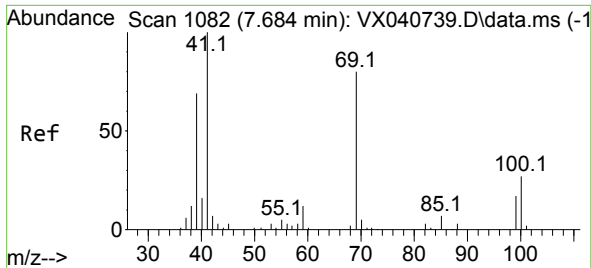
Tgt Ion:117 Resp: 4723
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.431 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Tgt Ion: 43 Resp: 39752
Ion Ratio Lower Upper
43 100
61 17.3 15.2 22.8
87 11.5 9.8 14.6

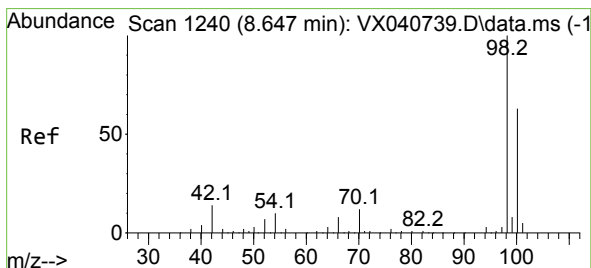
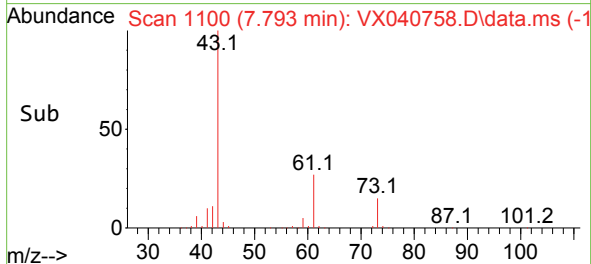
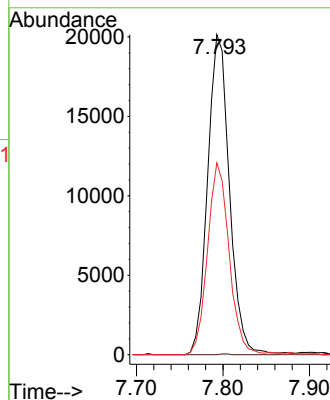
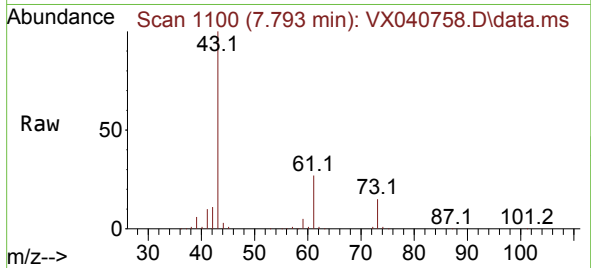




#48
Methyl methacrylate
Concen: 51.156 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.109 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

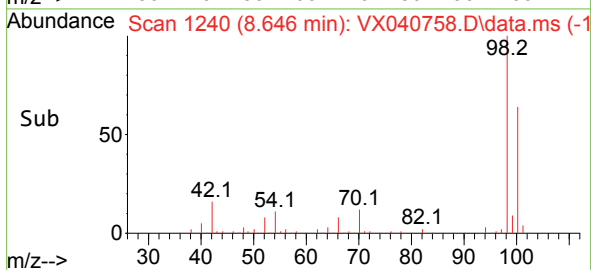
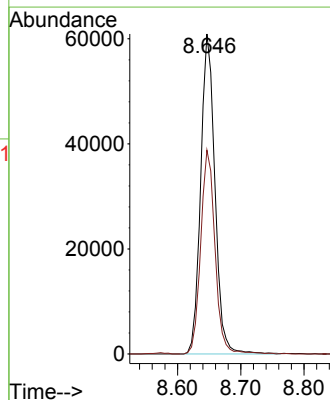
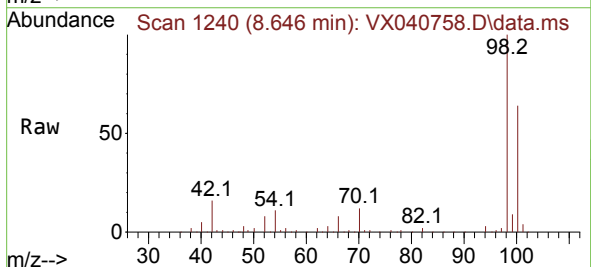
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#09

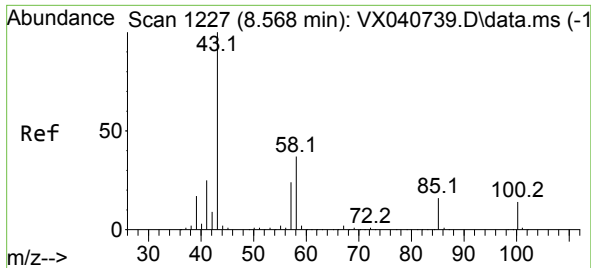
Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.1	59.2	88.8#
39	59.3	47.7	71.5



#50
Toluene-d8
Concen: 48.771 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	53.1	79.7

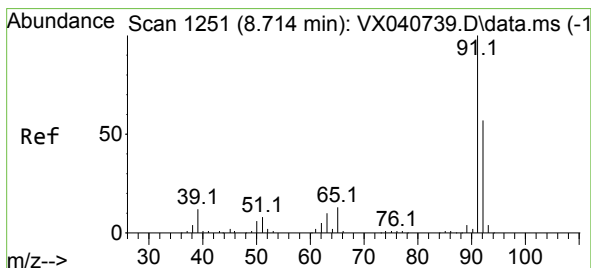
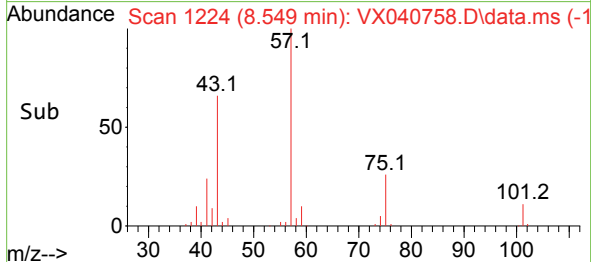
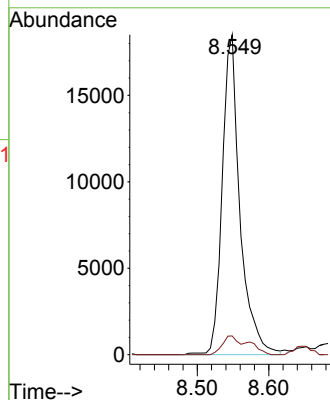
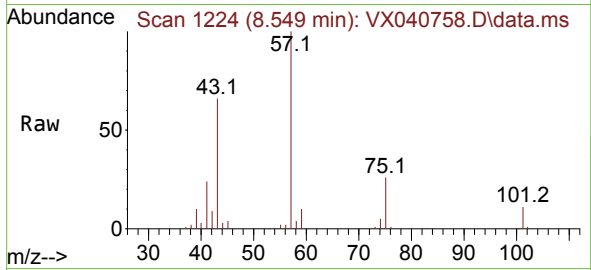




#51
4-Methyl-2-Pentanone
Concen: 34.131 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

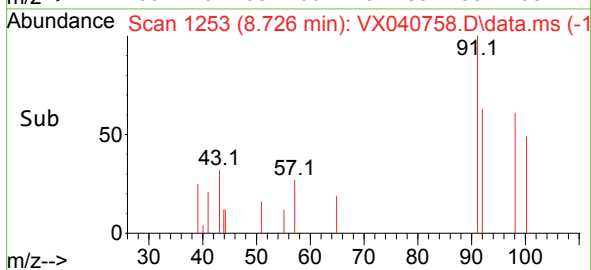
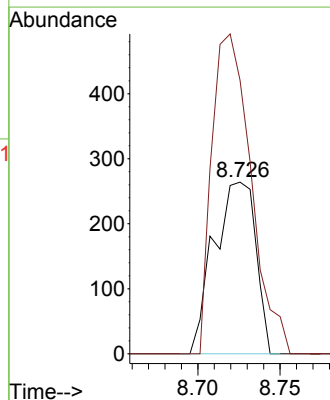
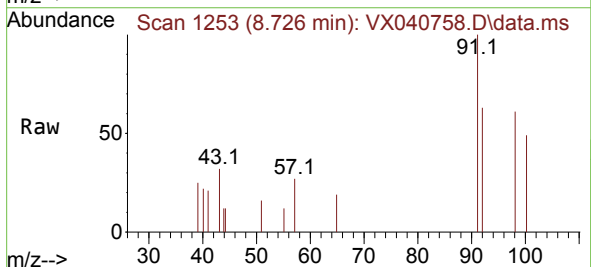
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#09

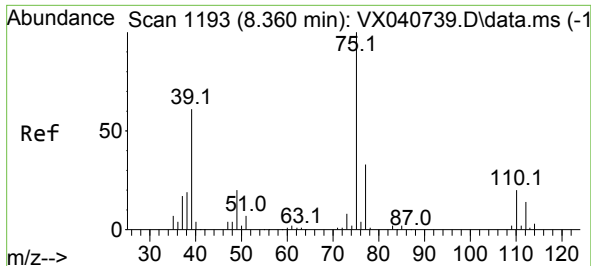
Tgt Ion: 43 Resp: 31834
Ion Ratio Lower Upper
43 100
58 5.4 30.4 45.6#



#52
Toluene
Concen: 0.336 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Tgt Ion: 92 Resp: 467
Ion Ratio Lower Upper
92 100
91 174.1 134.2 201.2

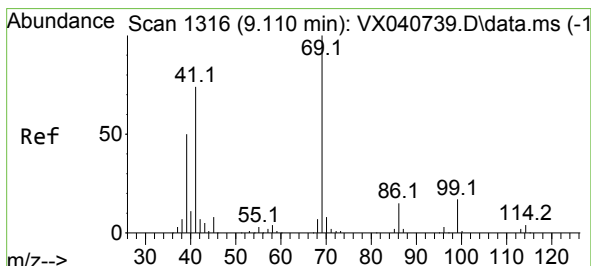
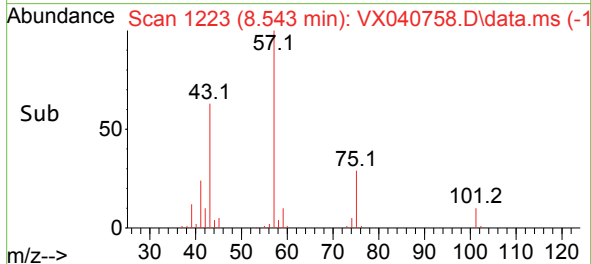
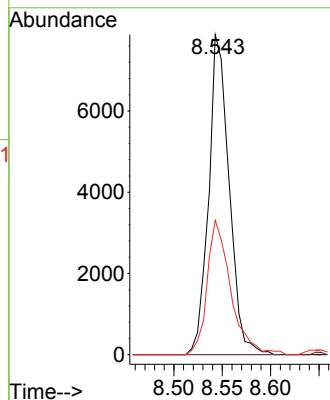
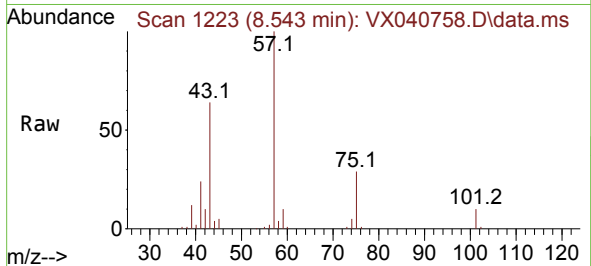




#54
 cis-1,3-Dichloropropene
 Concen: 12.298 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.182 min
 Lab File: VX040758.D
 Acq: 21 Mar 2024 21:12

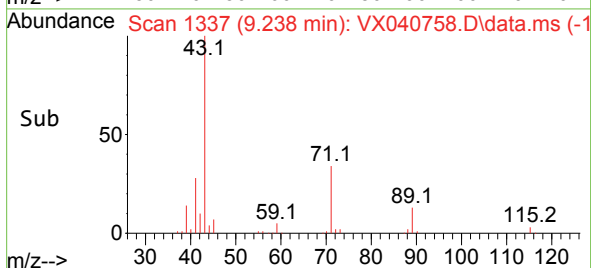
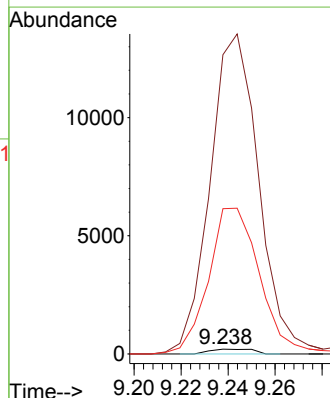
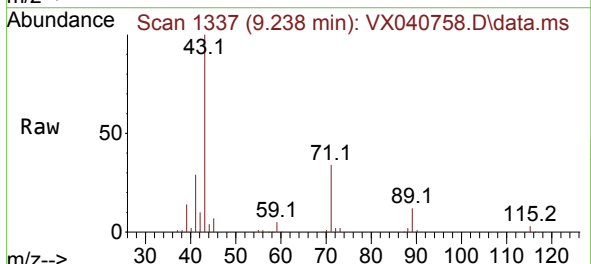
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#09

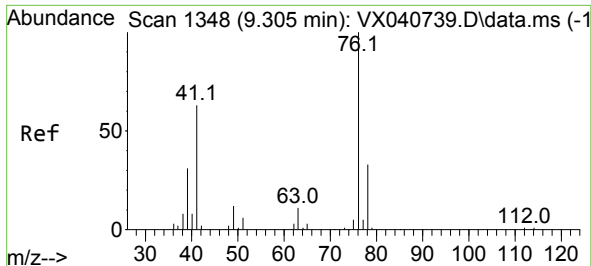
Tgt Ion: 75 Resp: 11635
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 42.0 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.281 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.128 min
 Lab File: VX040758.D
 Acq: 21 Mar 2024 21:12

Tgt Ion: 69 Resp: 266
 Ion Ratio Lower Upper
 69 100
 41 7363.9 56.8 85.2#
 39 3533.5 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.644 ug/l

RT: 9.476 min Scan# 11

Delta R.T. 0.170 min

Lab File: VX040758.D

Acq: 21 Mar 2024 21:12

Instrument :

MSVOA_X

ClientSampleId :

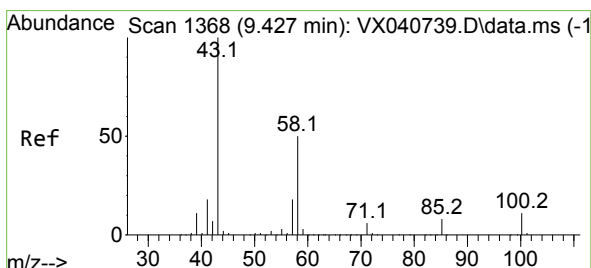
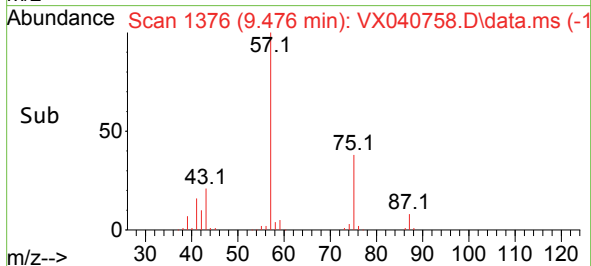
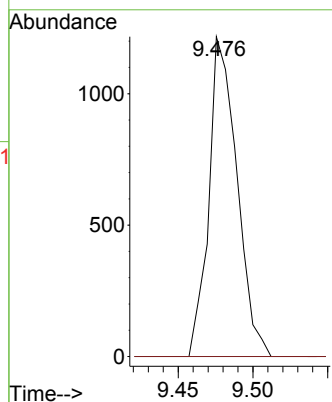
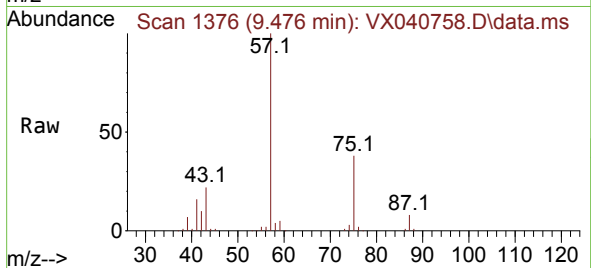
PB159677ZHE#09

Tgt Ion: 76 Resp: 1587

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 31.425 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.054 min

Lab File: VX040758.D

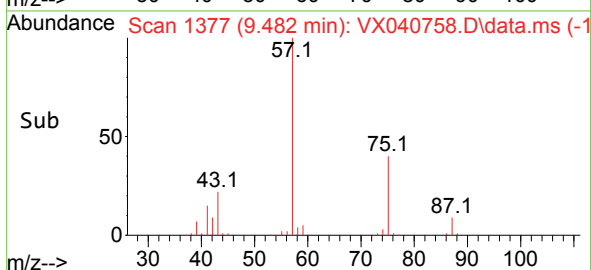
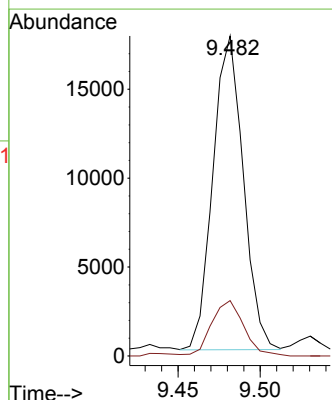
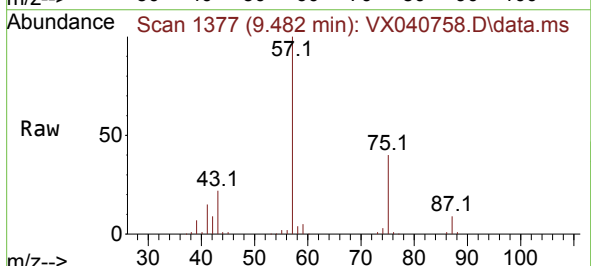
Acq: 21 Mar 2024 21:12

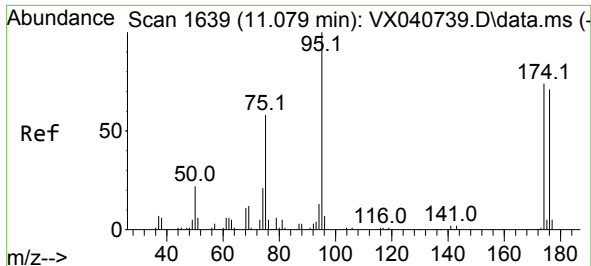
Tgt Ion: 43 Resp: 22705

Ion Ratio Lower Upper

43 100

58 18.7 26.2 78.5#

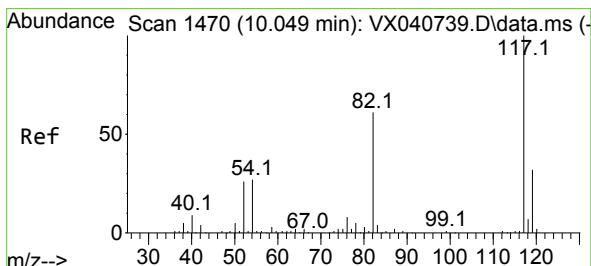
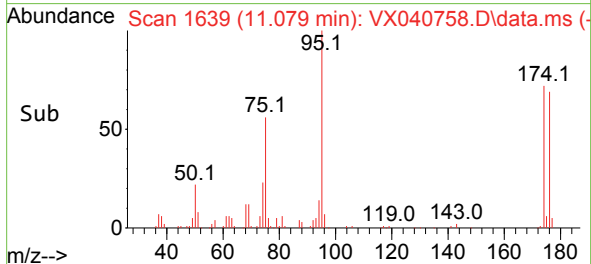
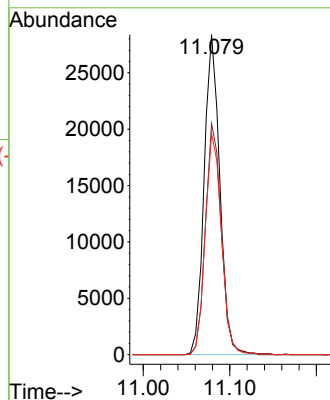
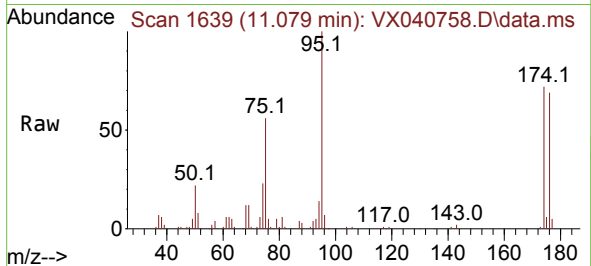




#62
4-Bromofluorobenzene
Concen: 46.024 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

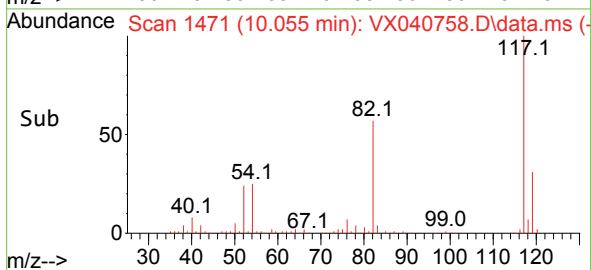
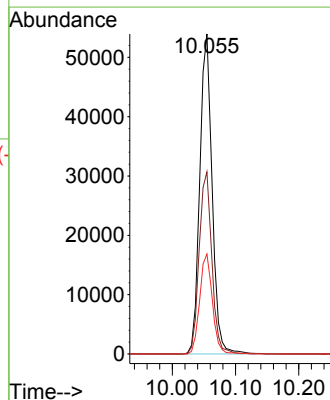
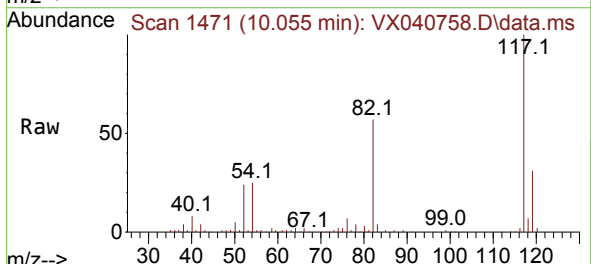
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#09

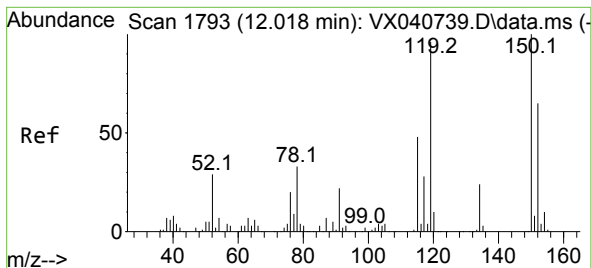
Tgt Ion: 95 Resp: 35666
Ion Ratio Lower Upper
95 100
174 73.2 0.0 135.6
176 71.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040758.D
Acq: 21 Mar 2024 21:12

Tgt Ion: 117 Resp: 73323
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 31.2 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: VX040758.D

Acq: 21 Mar 2024 21:12

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#09

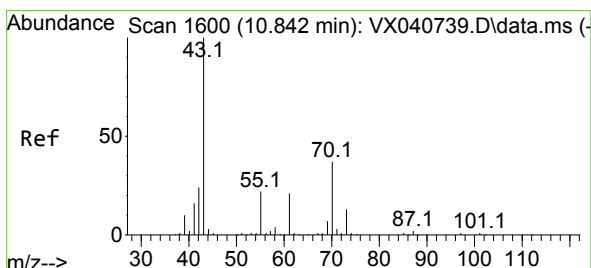
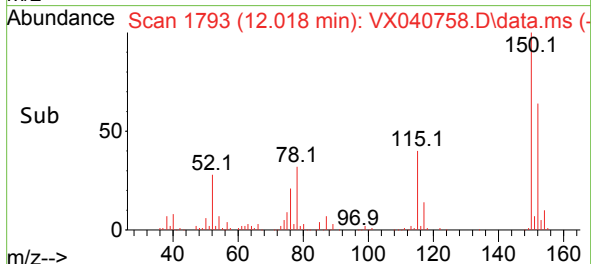
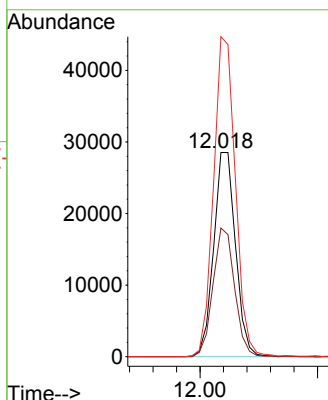
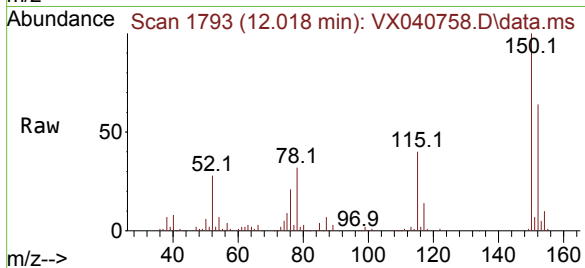
Tgt Ion:152 Resp: 36890

Ion Ratio Lower Upper

152 100

115 62.2 43.3 129.9

150 156.7 0.0 345.0



#74

N-ethyl acetate

Concen: 0.212 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.025 min

Lab File: VX040758.D

Acq: 21 Mar 2024 21:12

Tgt Ion: 43 Resp: 292

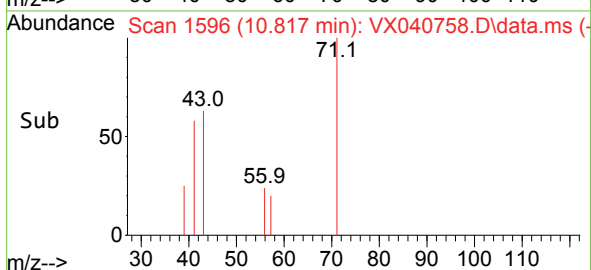
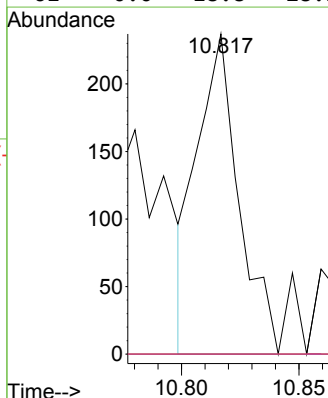
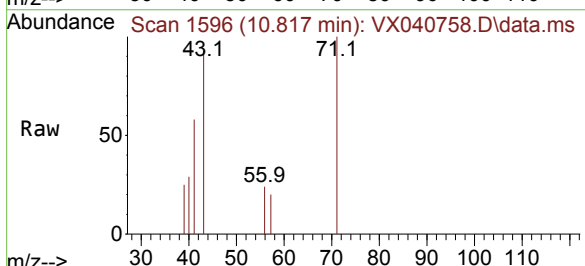
Ion Ratio Lower Upper

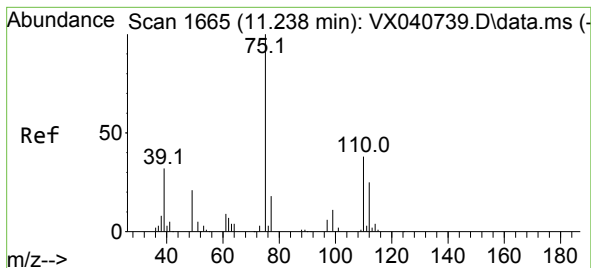
43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.142 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040758.D

Acq: 21 Mar 2024 21:12

Instrument :

MSVOA_X

ClientSampleId :

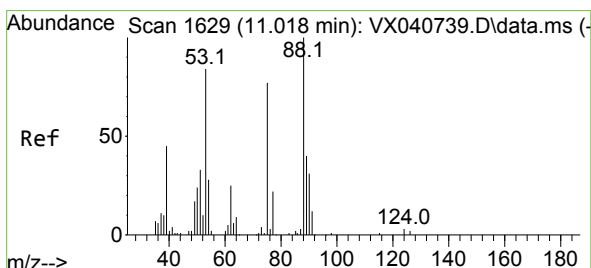
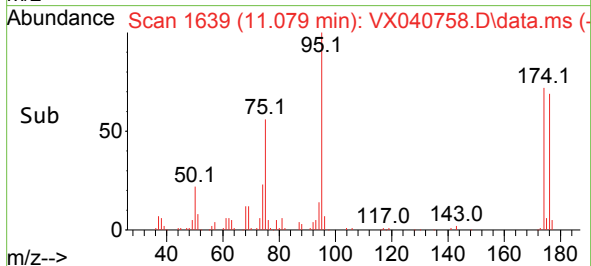
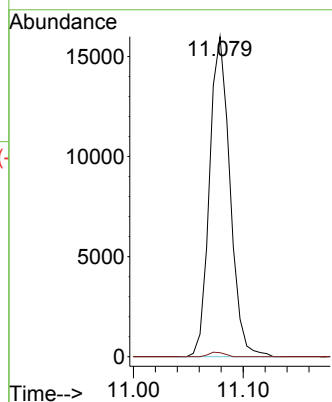
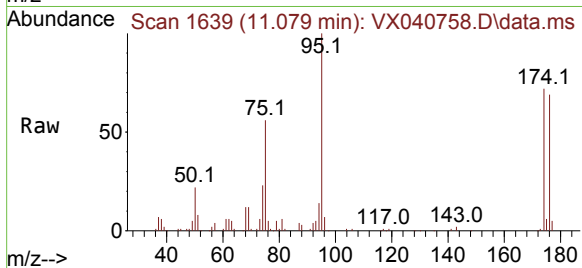
PB159677ZHE#09

Tgt Ion: 75 Resp: 20741

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.133 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040758.D

Acq: 21 Mar 2024 21:12

Tgt Ion: 75 Resp: 20741

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

