

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040224\
 Data File : VX040857.D
 Acq On : 02 Apr 2024 12:17
 Operator : JC/MD
 Sample : PB159929TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159929TB

Quant Time: Apr 03 01:00:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

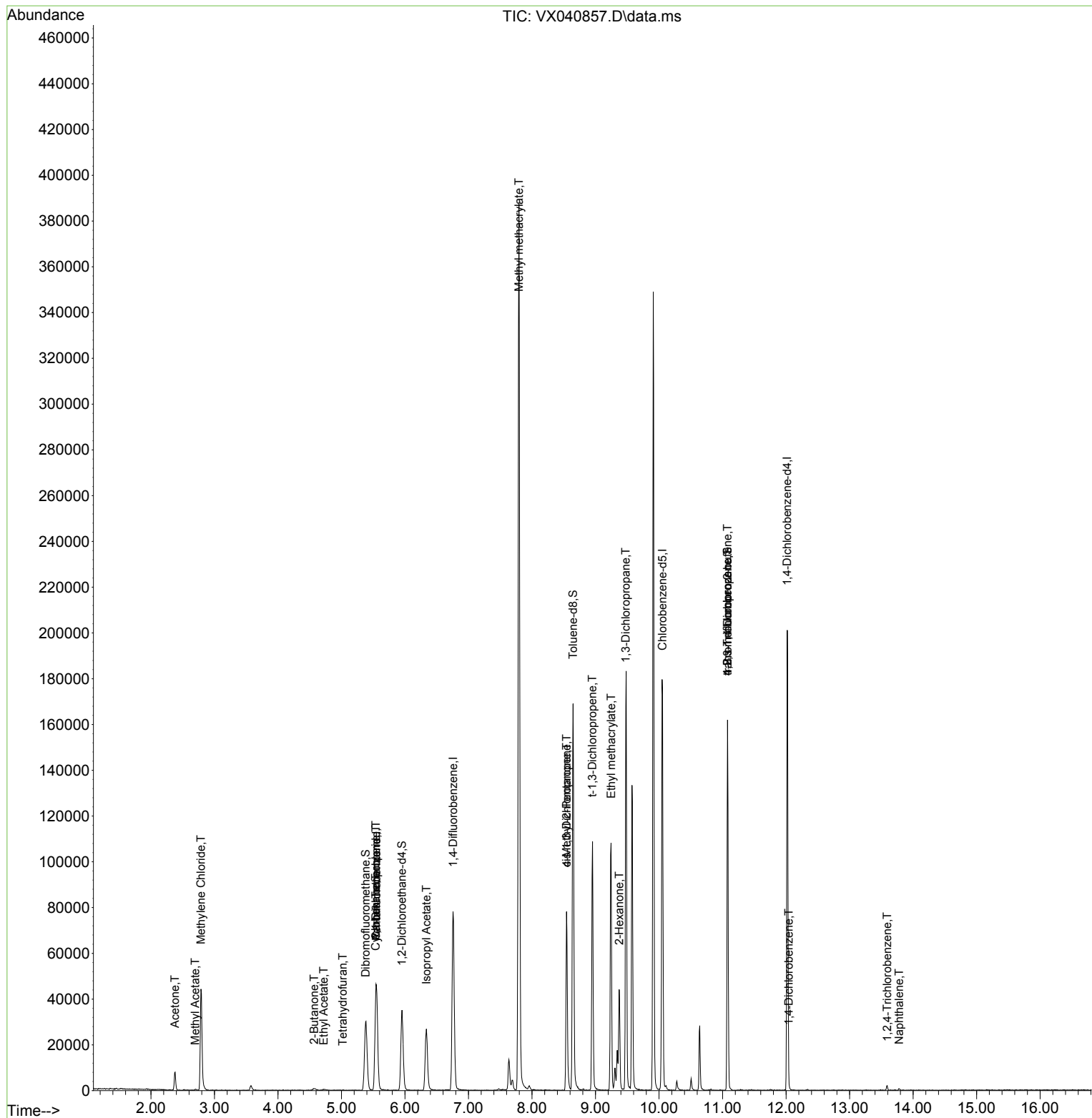
Internal Standards						
1) Pentafluorobenzene	5.550	168	41889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	74694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	37851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	34931	46.475	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.960%
35) Dibromofluoromethane	5.379	113	25849	48.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.720%
50) Toluene-d8	8.646	98	95881	50.154	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.300%
62) 4-Bromofluorobenzene	11.079	95	39178	51.318	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.640%
Target Compounds						
					Qvalue	
16) Acetone	2.379	43	8324	28.522	ug/l	91
18) Methyl Acetate	2.696	43	501	0.724	ug/l #	83
20) Methylene Chloride	2.788	84	20272	37.482	ug/l	97
25) 2-Butanone	4.568	43	1173	2.706	ug/l	94
29) Tetrahydrofuran	5.019	42	108	0.383	ug/l #	34
31) Cyclohexane	5.537	56	1139	1.428	ug/l #	36
36) 1,1-Dichloropropene	5.543	75	4070	5.414	ug/l #	48
37) Ethyl Acetate	4.720	43	1075	1.165	ug/l #	73
38) Carbon Tetrachloride	5.543	117	4636	5.571	ug/l #	15
43) Isopropyl Acetate	6.336	43	37611	26.383	ug/l	98
48) Methyl methacrylate	7.793	41	35933	51.474	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	29640	31.346	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	196	0.975	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	10729	12.739	ug/l #	70
56) Ethyl methacrylate	9.244	69	251	0.285	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	1413	1.573	ug/l #	42
59) 2-Hexanone	9.372	43	33515	44.194	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	23029	28.532	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23029	76.979	ug/l #	5
88) 1,4-Dichlorobenzene	12.042	146	428	0.322	ug/l #	24
93) 1,2,4-Trichlorobenzene	13.591	180	658	0.773	ug/l	85
95) Naphthalene	13.780	128	833	0.304	ug/l #	69

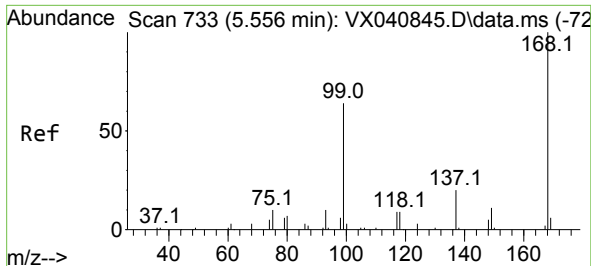
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 03 01:00:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
Response via : Initial Calibration

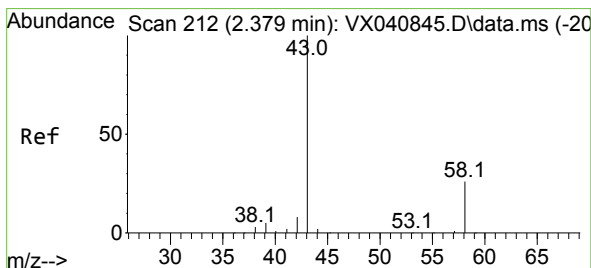
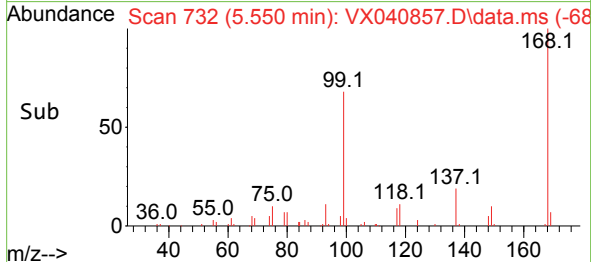
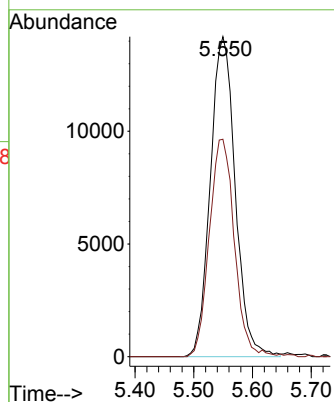
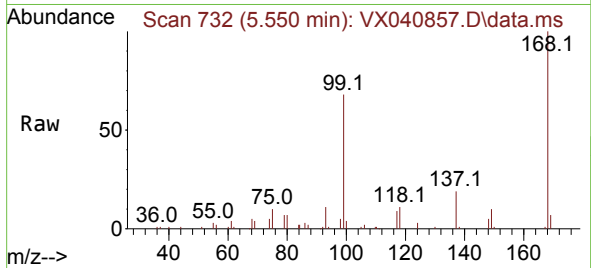




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

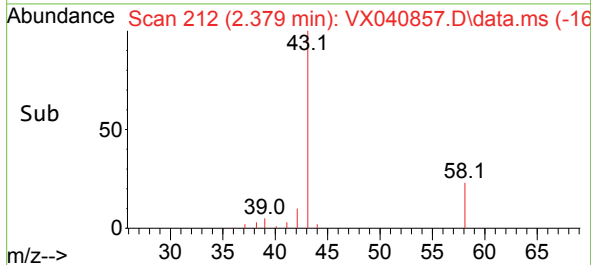
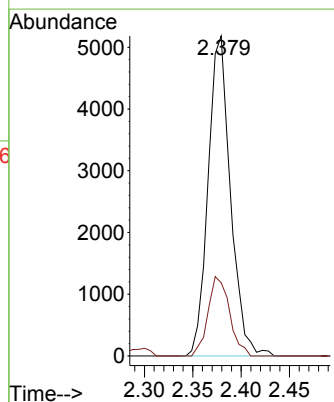
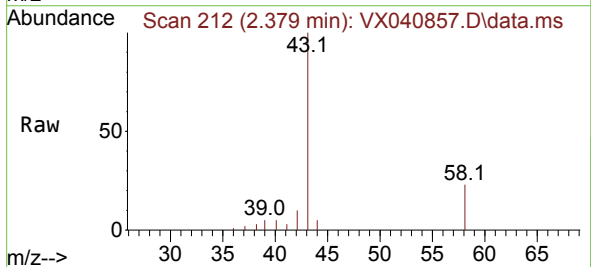
Instrument :
MSVOA_X
ClientSampleId :
PB159929TB

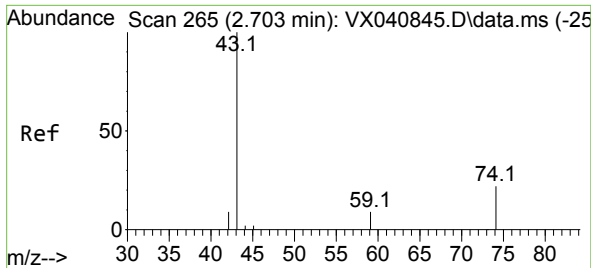
Tgt Ion:168 Resp: 41889
Ion Ratio Lower Upper
168 100
99 67.9 56.6 85.0



#16
Acetone
Concen: 28.522 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Tgt Ion: 43 Resp: 8324
Ion Ratio Lower Upper
43 100
58 22.9 21.9 32.9





#18

Methyl Acetate

Concen: 0.724 ug/l

RT: 2.696 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX040857.D

Acq: 02 Apr 2024 12:17

Instrument :

MSVOA_X

ClientSampleId :

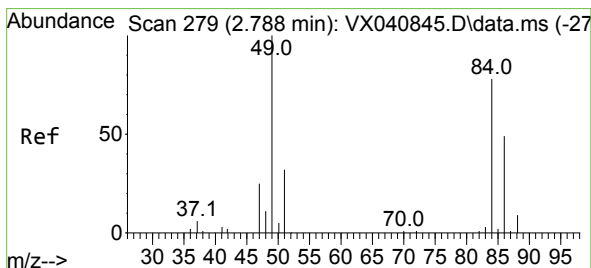
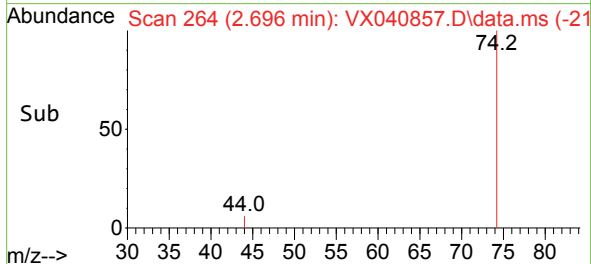
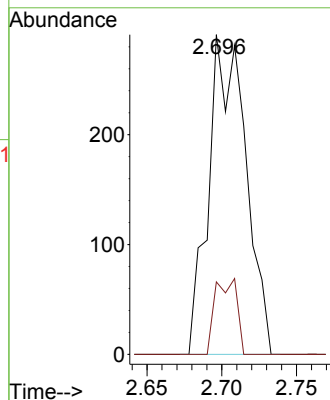
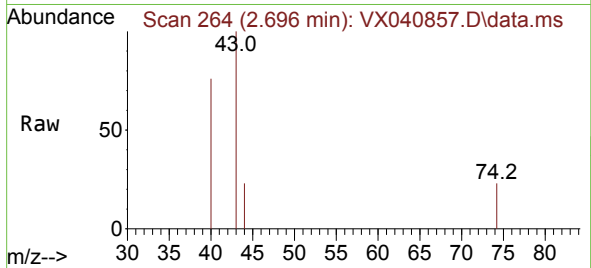
PB159929TB

Tgt Ion: 43 Resp: 501

Ion Ratio Lower Upper

43 100

74 14.0 17.8 26.8#



#20

Methylene Chloride

Concen: 37.482 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX040857.D

Acq: 02 Apr 2024 12:17

Tgt Ion: 84 Resp: 20272

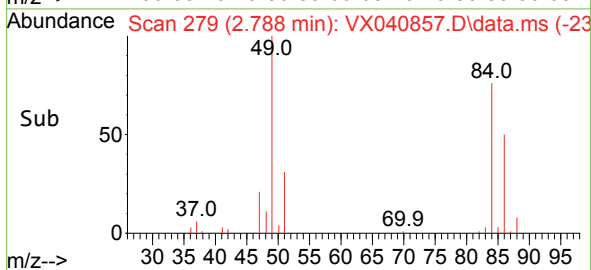
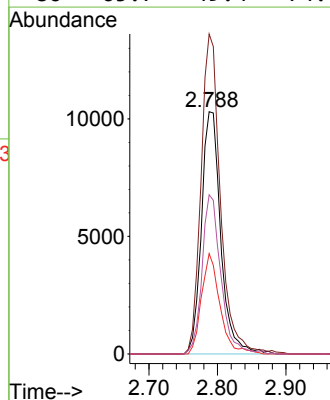
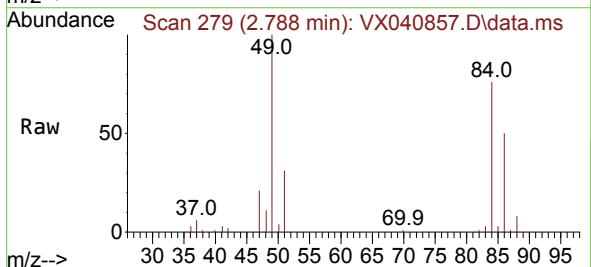
Ion Ratio Lower Upper

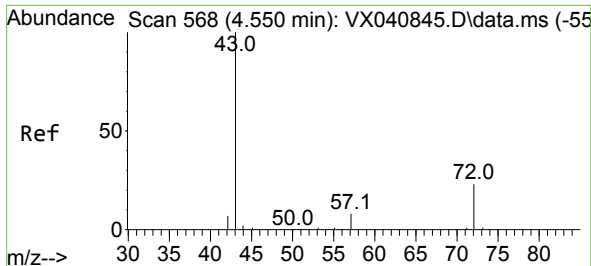
84 100

49 132.1 103.6 155.4

51 41.4 33.8 50.6

86 65.7 49.4 74.0

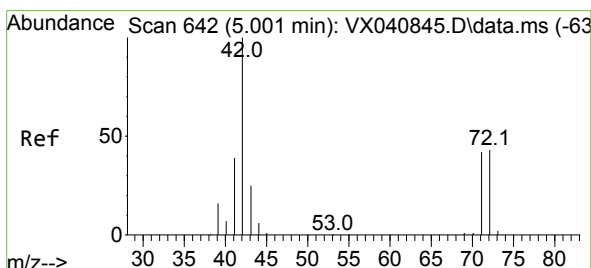
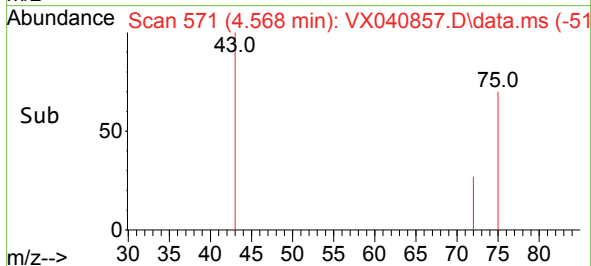
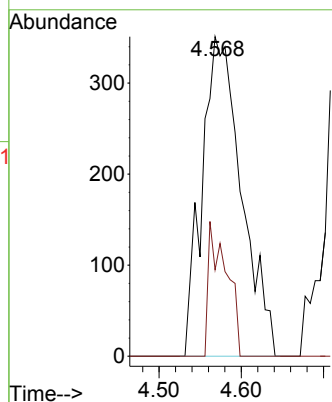
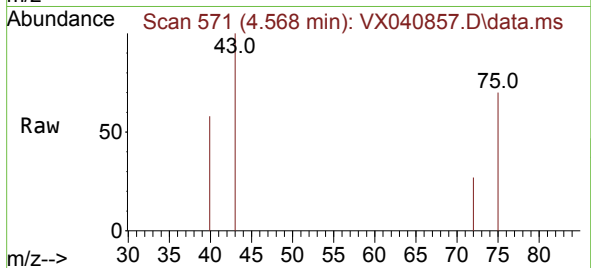




#25
2-Butanone
Concen: 2.706 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

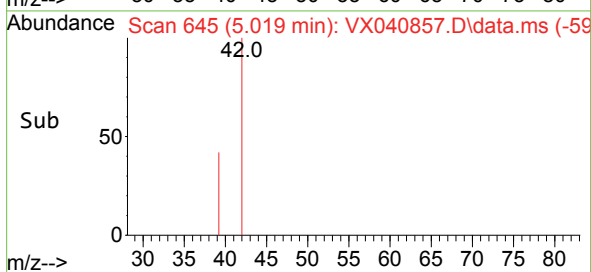
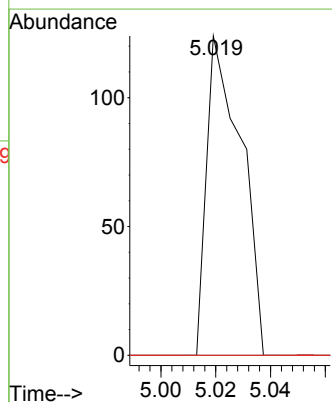
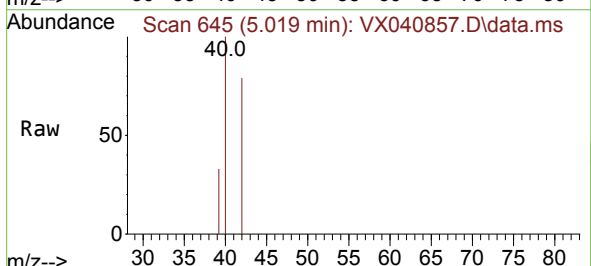
Instrument :
MSVOA_X
ClientSampleId :
PB159929TB

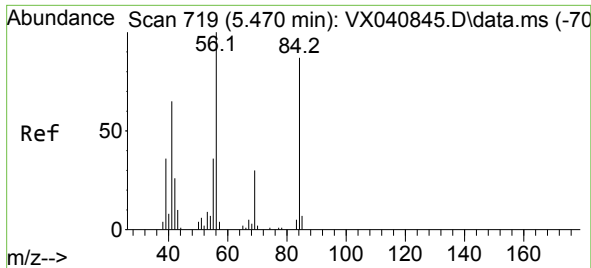
Tgt Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
72 27.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.383 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.018 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

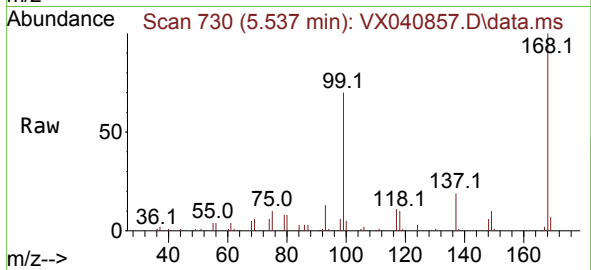
Tgt Ion: 42 Resp: 108
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



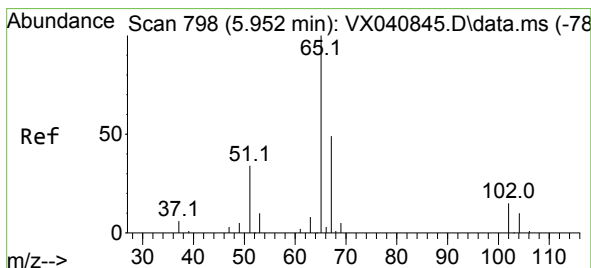
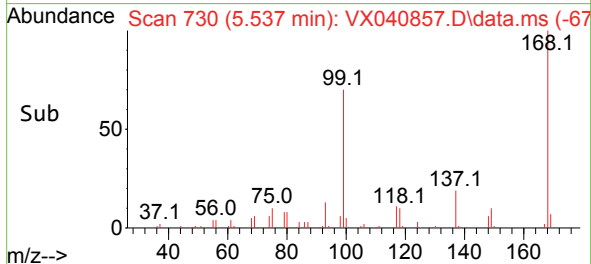
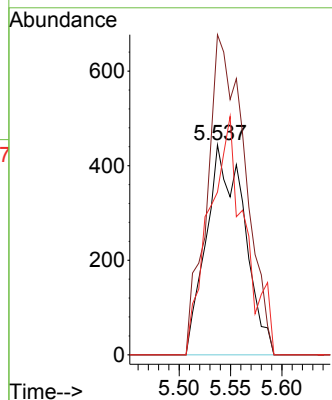


#31
Cyclohexane
Concen: 1.428 ug/l
RT: 5.537 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Instrument :
MSVOA_X
ClientSampleId :
PB159929TB

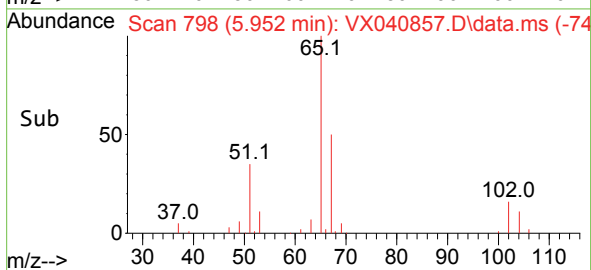
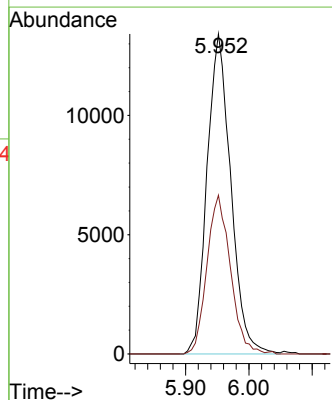
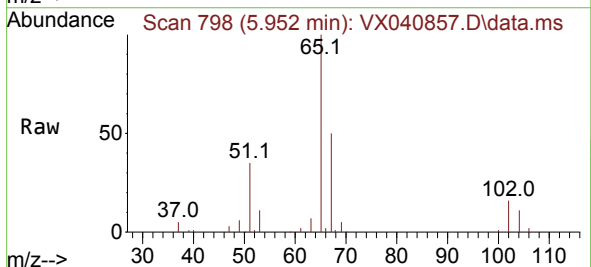


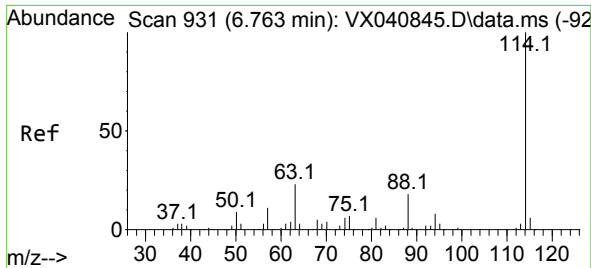
Tgt Ion: 56 Resp: 1139
Ion Ratio Lower Upper
56 100
69 152.5 23.4 35.2#
84 77.5 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 46.475 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Tgt Ion: 65 Resp: 34931
Ion Ratio Lower Upper
65 100
67 49.2 0.0 100.2

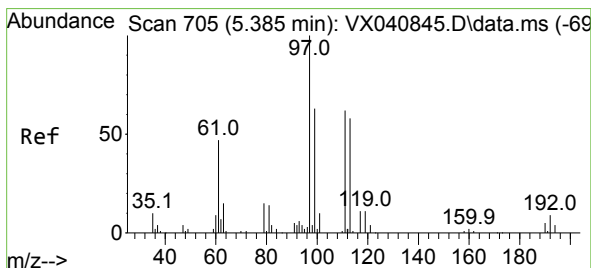
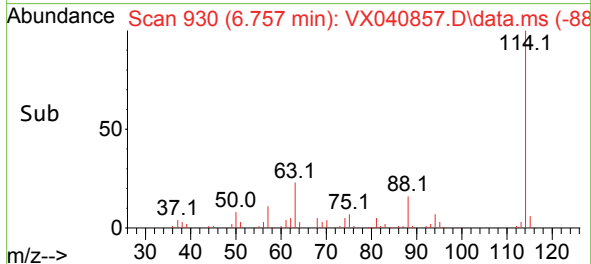
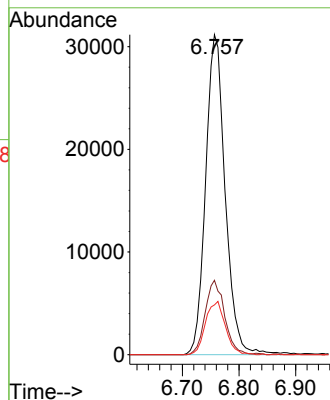
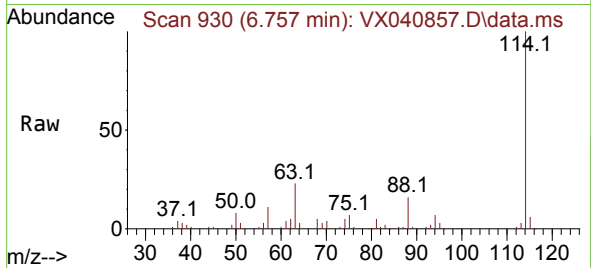




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

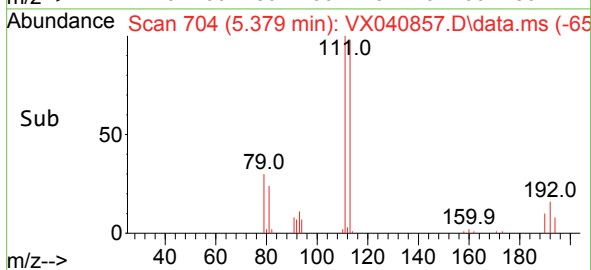
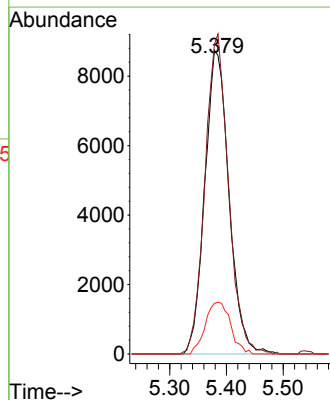
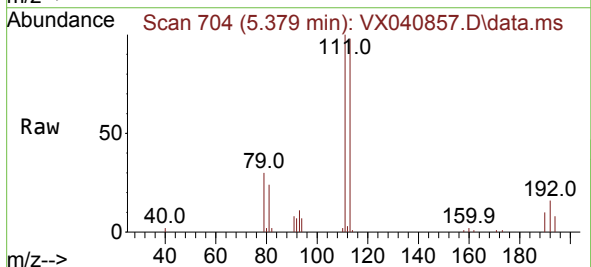
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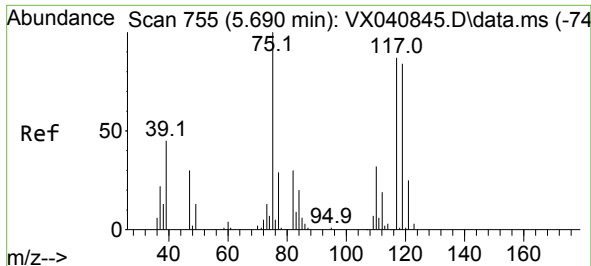
Tgt Ion:114 Resp: 74694
Ion Ratio Lower Upper
114 100
63 23.2 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.859 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Tgt Ion:113 Resp: 25849
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 17.8 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.414 ug/l

RT: 5.543 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX040857.D

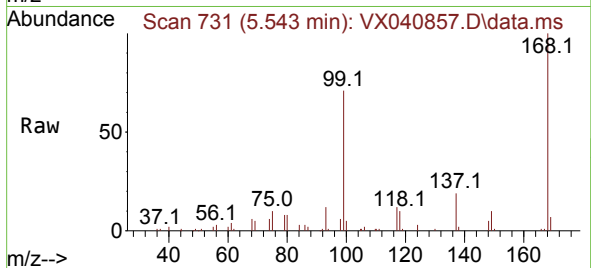
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Instrument :

MSVOA_X

ClientSampleId :

PB159929TB



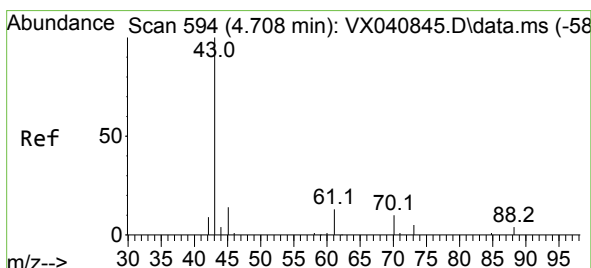
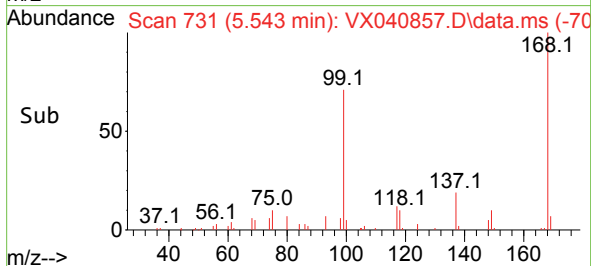
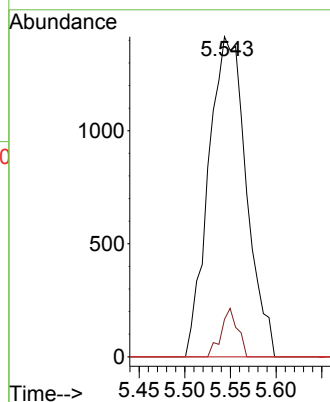
Tgt Ion: 75 Resp: 4070

Ion Ratio Lower Upper

75 100

110 6.6 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.165 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX040857.D

Acq: 02 Apr 2024 12:17

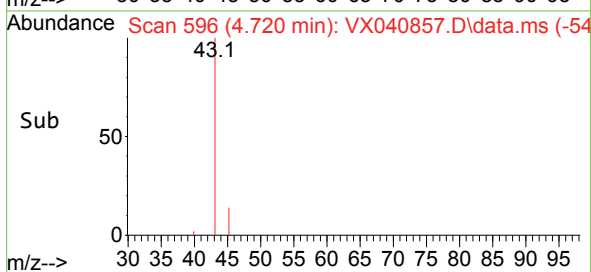
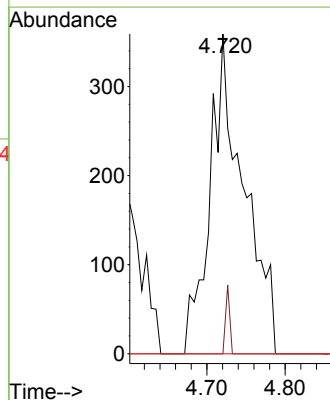
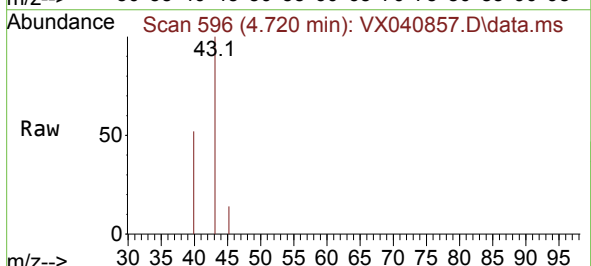
Tgt Ion: 43 Resp: 1075

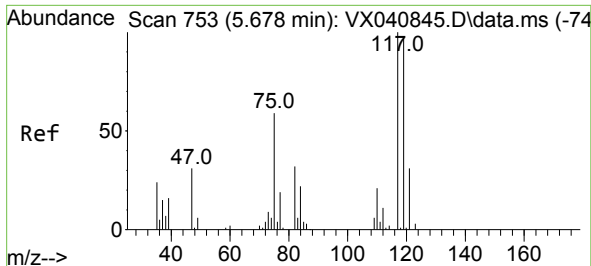
Ion Ratio Lower Upper

43 100

61 2.6 10.6 16.0#

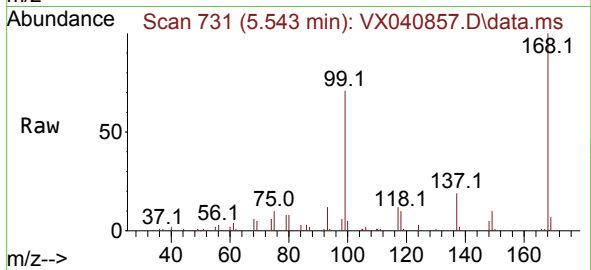
70 0.0 8.3 12.5#



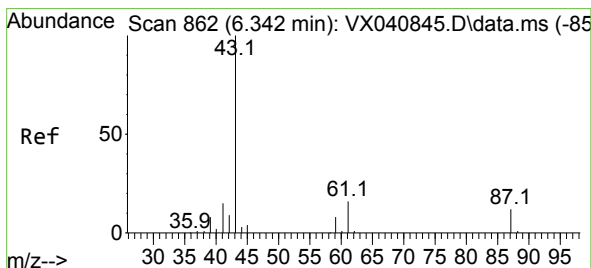
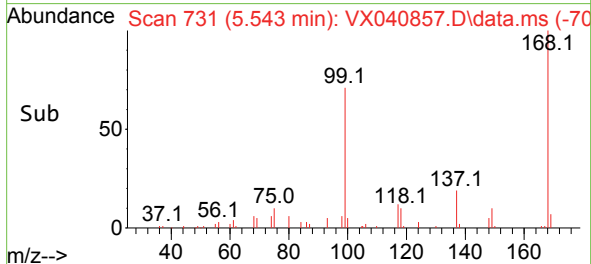
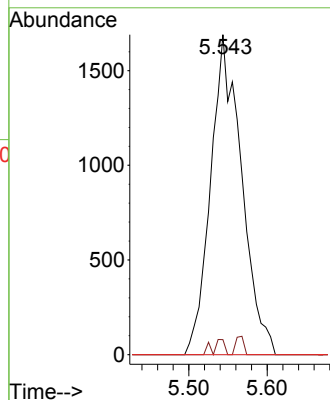


#38
Carbon Tetrachloride
Concen: 5.571 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Instrument :
MSVOA_X
ClientSampleId :
PB159929TB

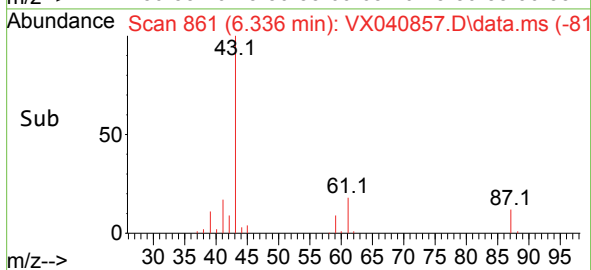
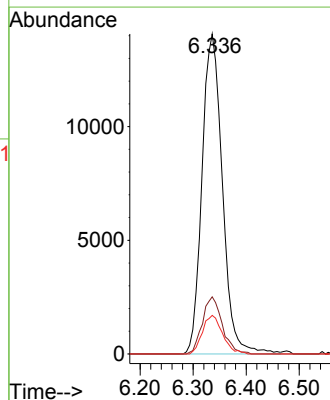
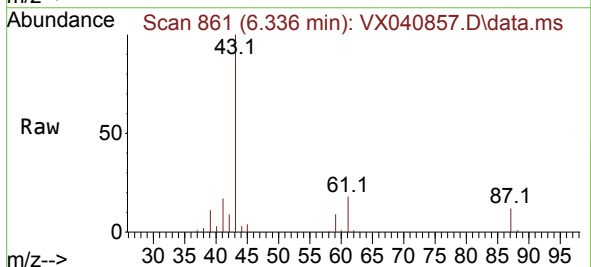


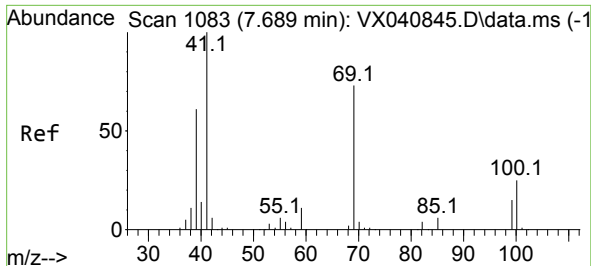
Tgt Ion:117 Resp: 4636
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.383 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Tgt Ion: 43 Resp: 37611
Ion Ratio Lower Upper
43 100
61 17.4 15.2 22.8
87 11.9 9.8 14.6

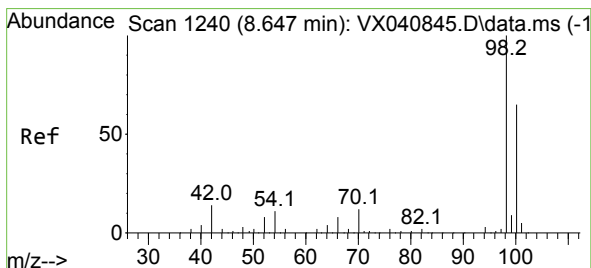
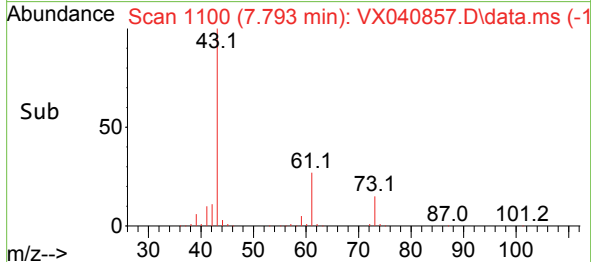
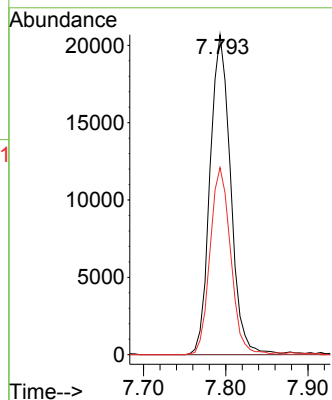
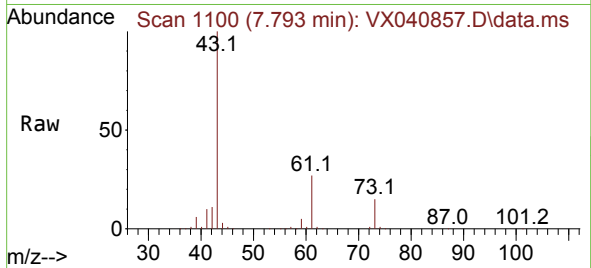




#48
Methyl methacrylate
Concen: 51.474 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

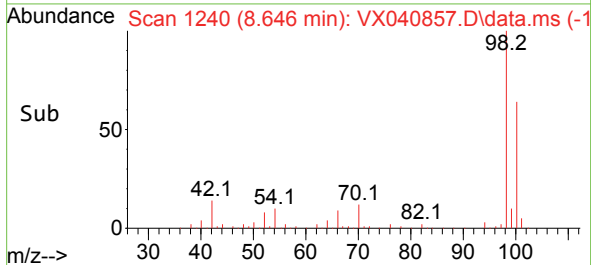
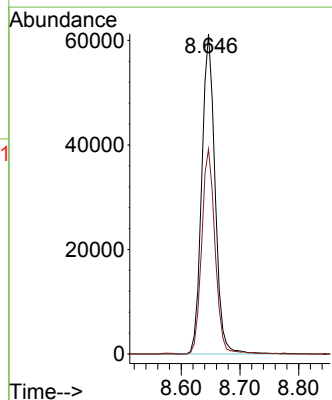
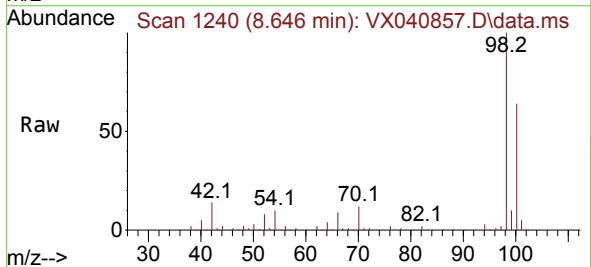
Instrument :
MSVOA_X
ClientSampleId :
PB159929TB

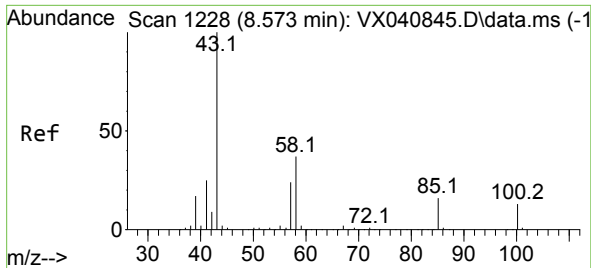
Tgt Ion: 41 Resp: 35933
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 58.4 47.7 71.5



#50
Toluene-d8
Concen: 50.154 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Tgt Ion: 98 Resp: 95881
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7

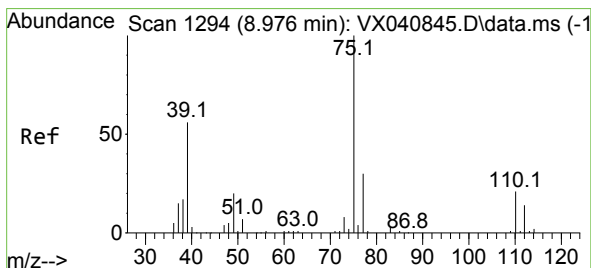
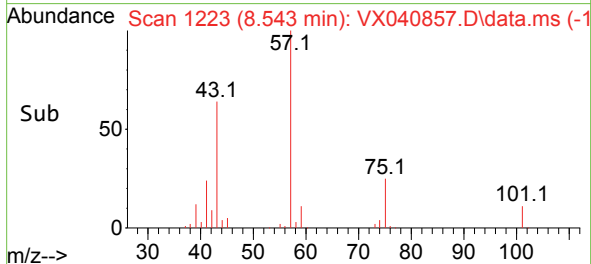
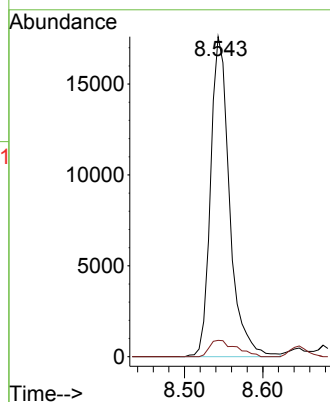
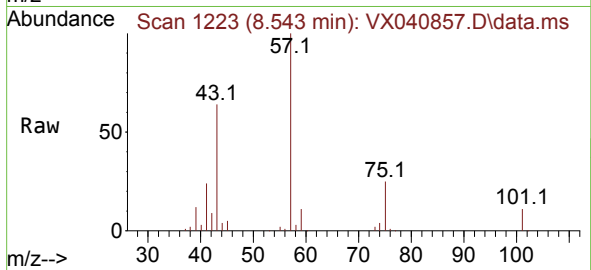




#51
4-Methyl-2-Pentanone
Concen: 31.346 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

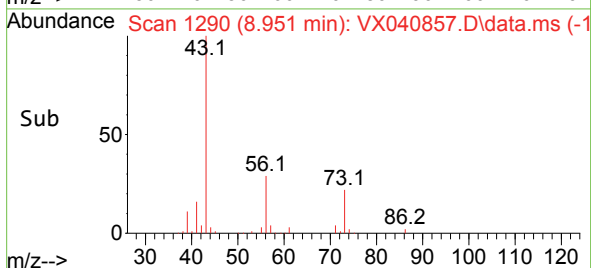
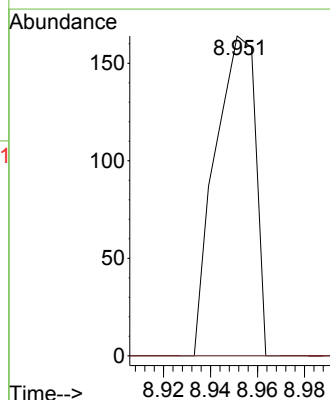
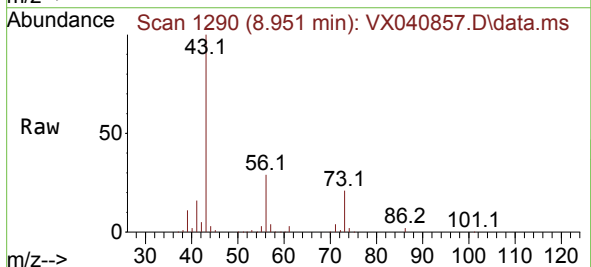
Instrument :
MSVOA_X
ClientSampleId :
PB159929TB

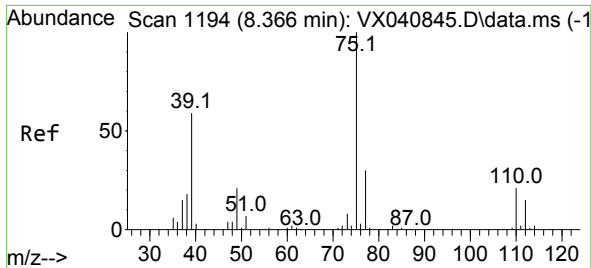
Tgt Ion: 43 Resp: 29640
Ion Ratio Lower Upper
43 100
58 7.1 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.975 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Tgt Ion: 75 Resp: 196
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

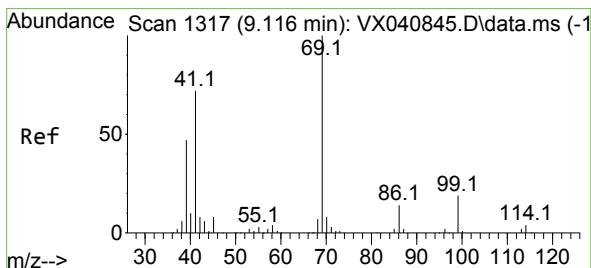
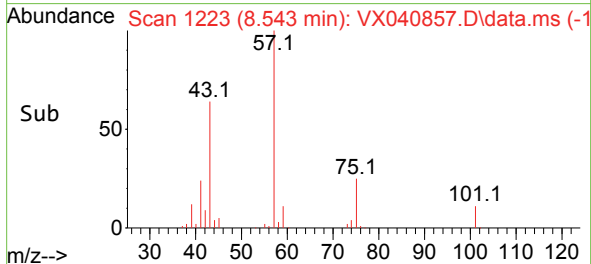
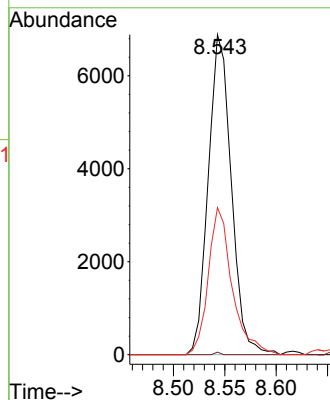
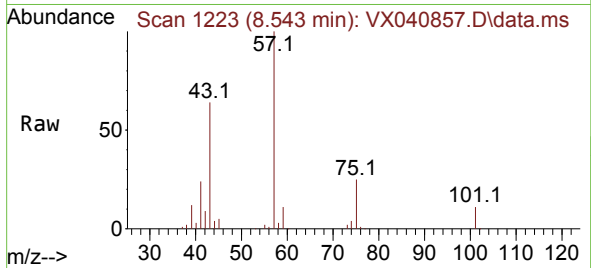




#54
 cis-1,3-Dichloropropene
 Concen: 12.739 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX040857.D
 Acq: 02 Apr 2024 12:17

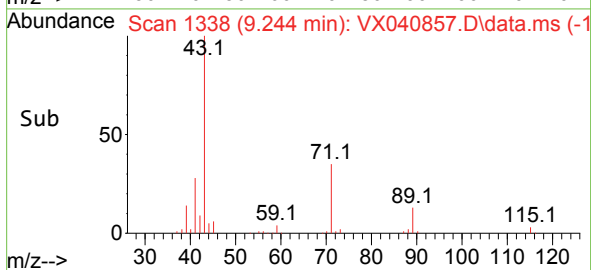
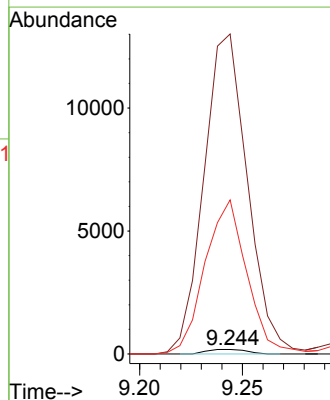
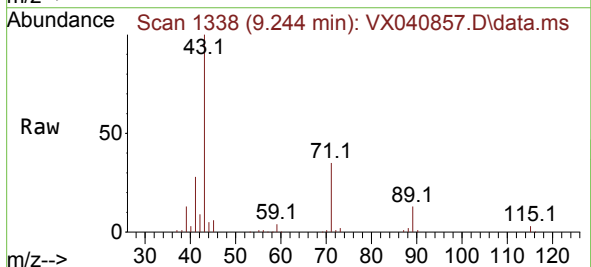
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159929TB

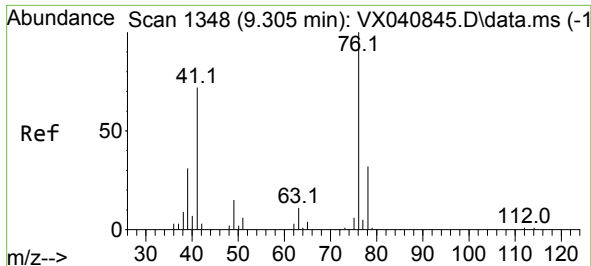
Tgt Ion: 75 Resp: 10729
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 46.0 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.285 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX040857.D
 Acq: 02 Apr 2024 12:17

Tgt Ion: 69 Resp: 251
 Ion Ratio Lower Upper
 69 100
 41 7679.7 56.8 85.2#
 39 3543.0 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.573 ug/l

RT: 9.476 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX040857.D

Acq: 02 Apr 2024 12:17

Instrument :

MSVOA_X

ClientSampleId :

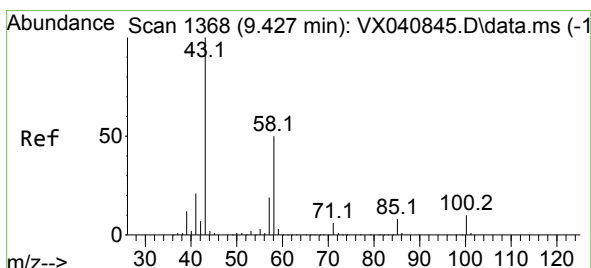
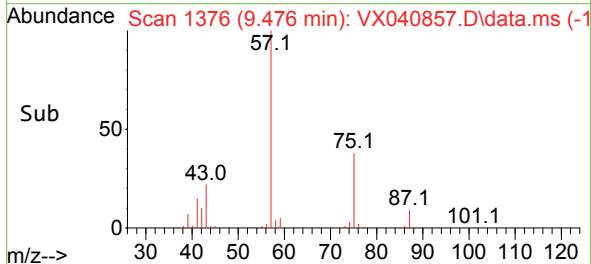
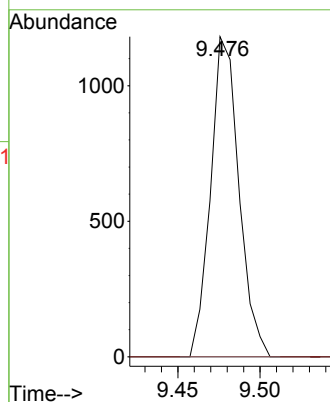
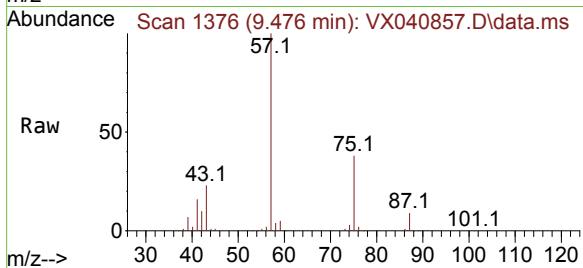
PB159929TB

Tgt Ion: 76 Resp: 1413

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.194 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX040857.D

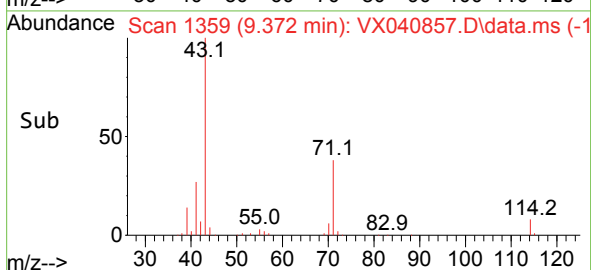
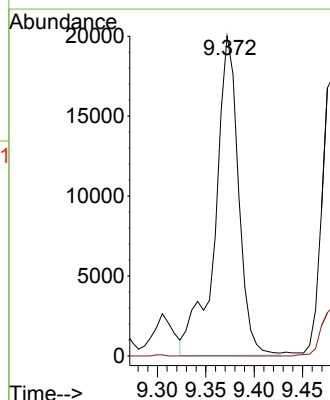
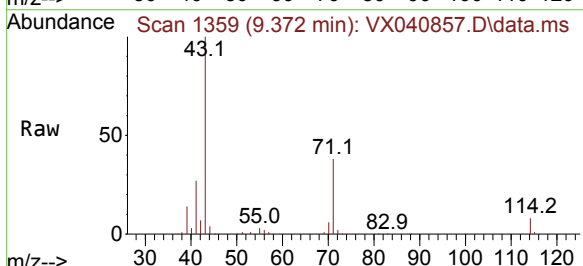
Acq: 02 Apr 2024 12:17

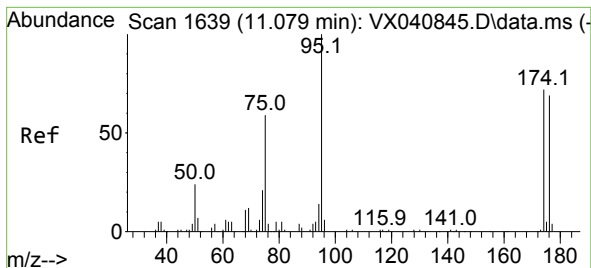
Tgt Ion: 43 Resp: 33515

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

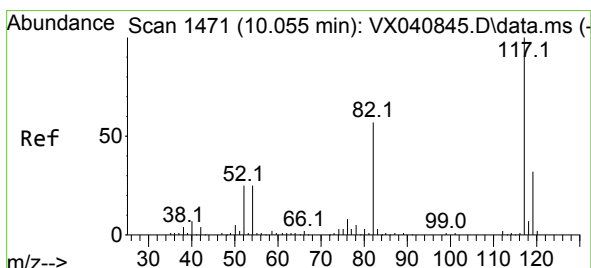
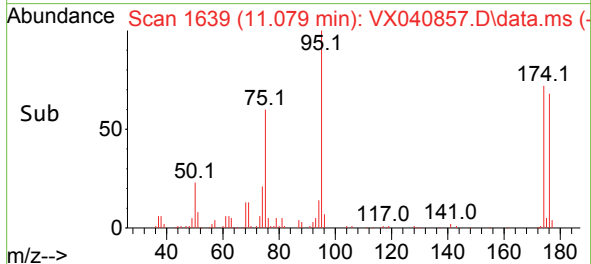
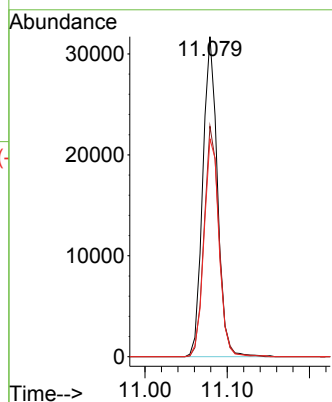
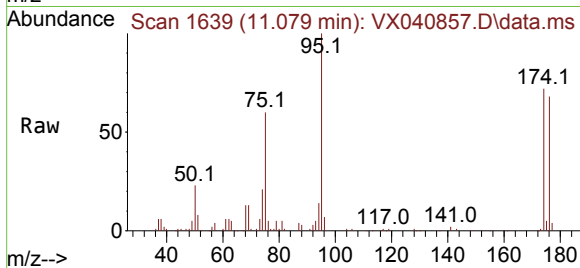




#62
4-Bromofluorobenzene
Concen: 51.318 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

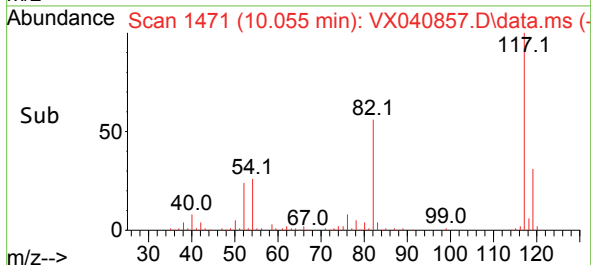
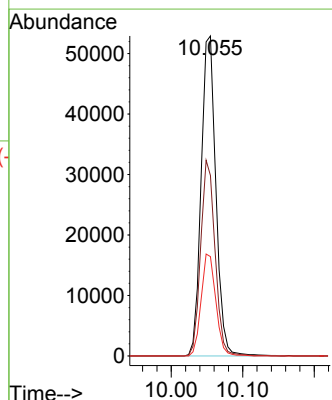
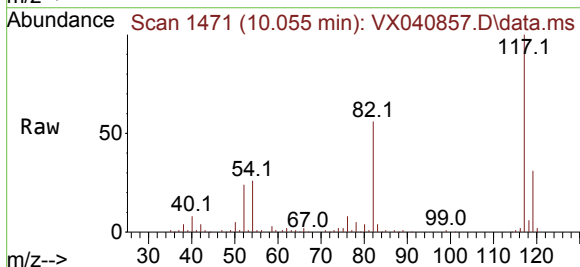
Instrument :
MSVOA_X
ClientSampleId :
PB159929TB

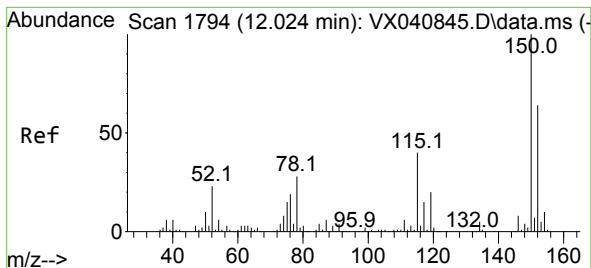
Tgt Ion: 95 Resp: 39178
Ion Ratio Lower Upper
95 100
174 73.1 0.0 135.6
176 70.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Tgt Ion: 117 Resp: 75703
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 31.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040857.D

Acq: 02 Apr 2024 12:17

Instrument :

MSVOA_X

ClientSampleId :

PB159929TB

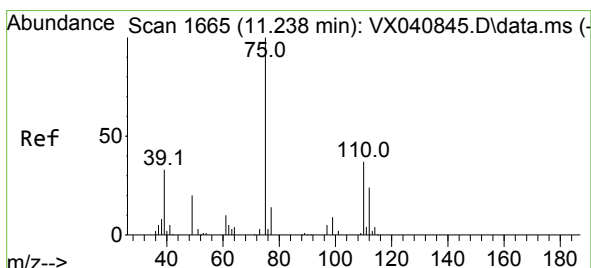
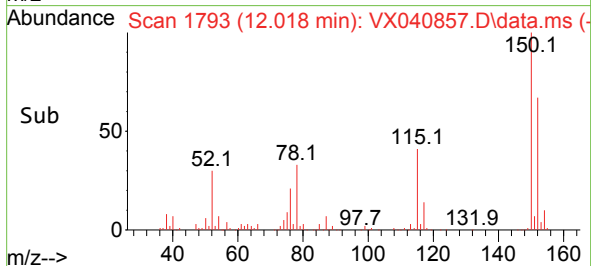
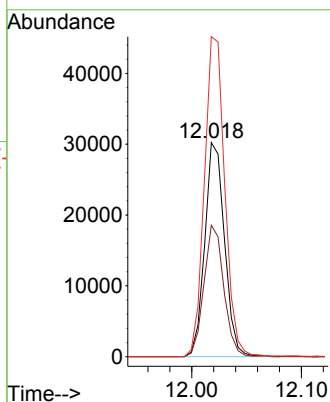
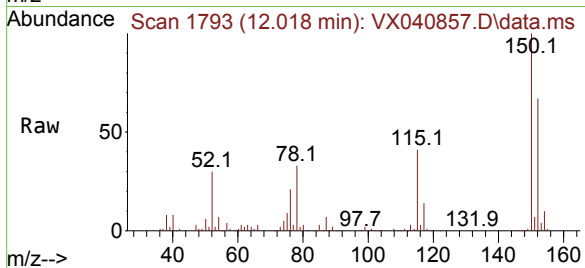
Tgt Ion:152 Resp: 37851

Ion Ratio Lower Upper

152 100

115 61.6 43.3 129.9

150 154.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 28.532 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040857.D

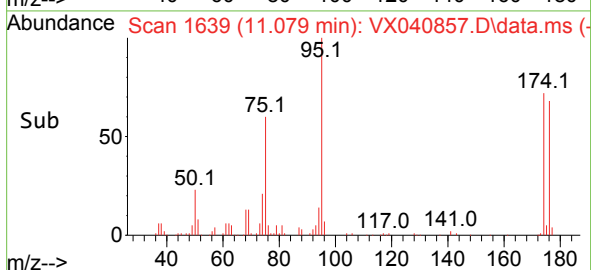
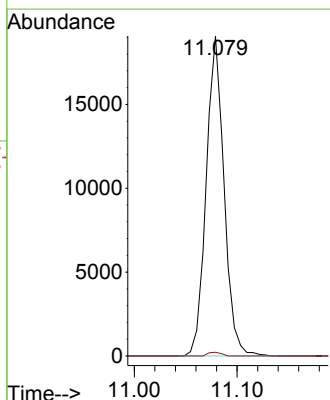
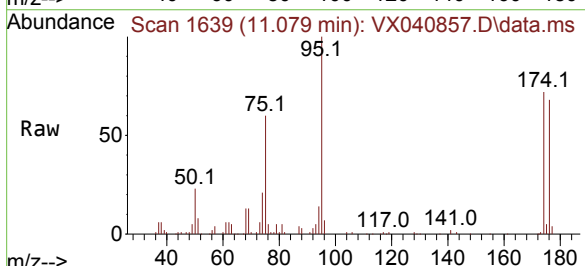
Acq: 02 Apr 2024 12:17

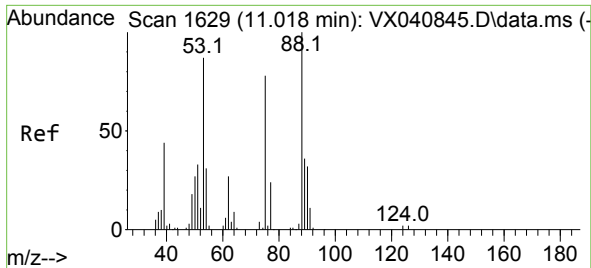
Tgt Ion: 75 Resp: 23029

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

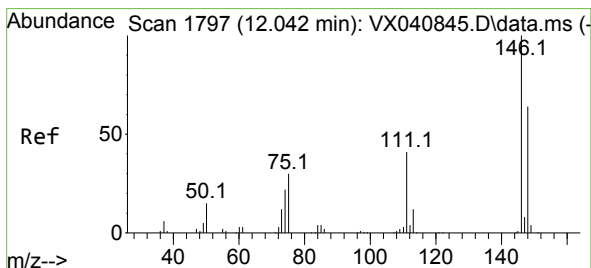
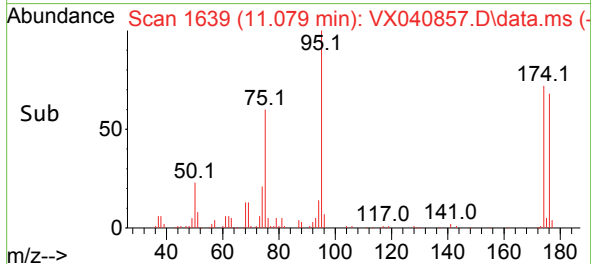
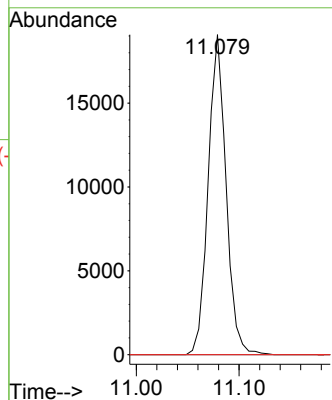
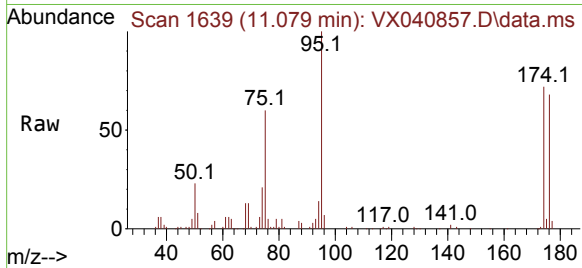




#81
trans-1,4-Dichloro-2-butene
Concen: 76.979 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

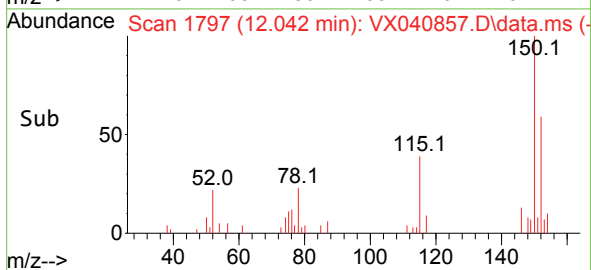
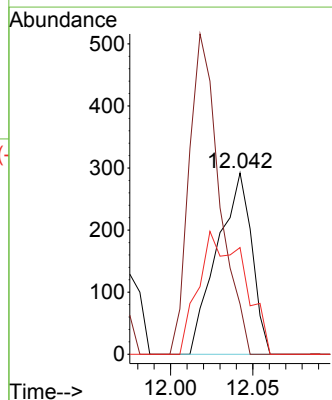
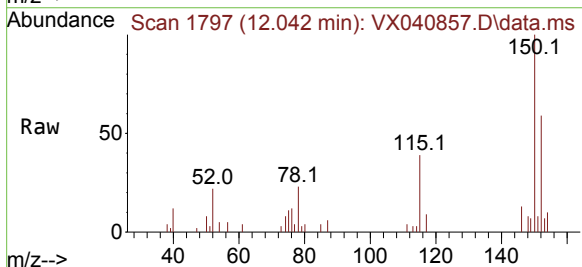
Instrument :
MSVOA_X
ClientSampleId :
PB159929TB

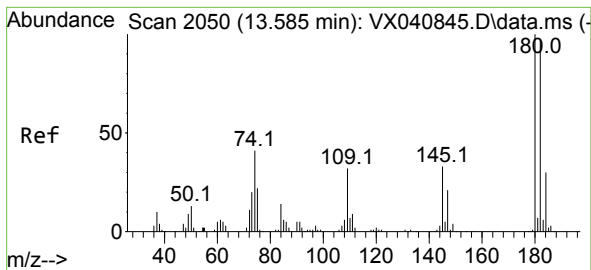
Tgt Ion: 75 Resp: 23029
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.322 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX040857.D
Acq: 02 Apr 2024 12:17

Tgt Ion:146 Resp: 428
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.7#
148 0.0 31.8 95.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.773 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX040857.D

Acq: 02 Apr 2024 12:17

Instrument :

MSVOA_X

ClientSampleId :

PB159929TB

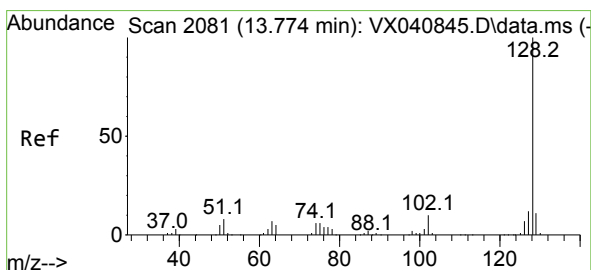
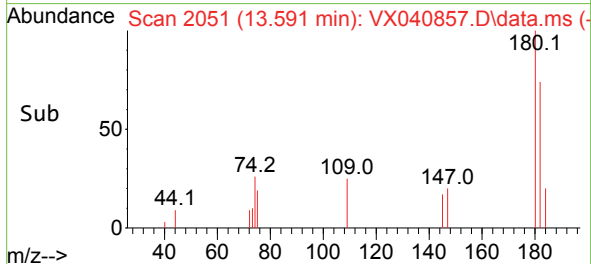
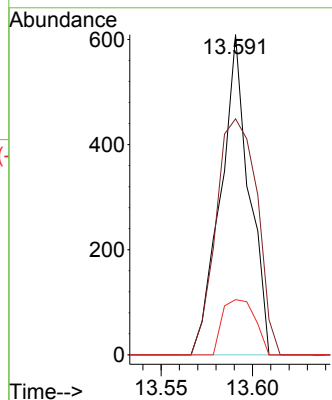
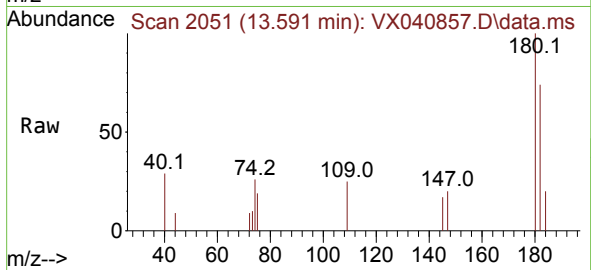
Tgt Ion:180 Resp: 658

Ion Ratio Lower Upper

180 100

182 106.5 48.3 144.8

145 19.9 18.0 54.0



#95

Naphthalene

Concen: 0.304 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040857.D

Acq: 02 Apr 2024 12:17

Tgt Ion:128 Resp: 833

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

