

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038890.D
 Acq On : 17 Nov 2023 18:57
 Operator : JC/MD
 Sample : PB157201TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB157201TB

Quant Time: Nov 17 22:54:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

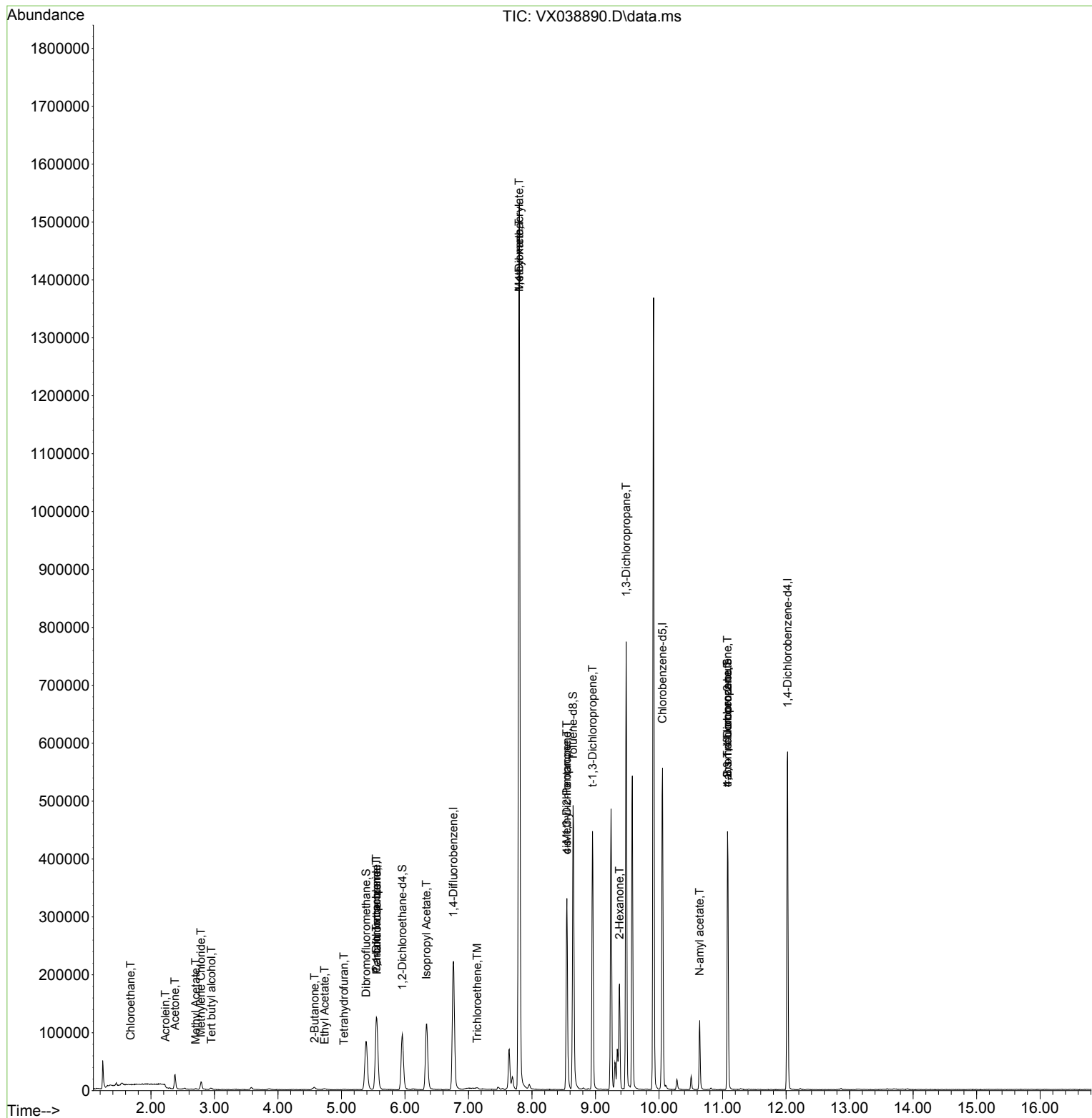
Internal Standards						
1) Pentafluorobenzene	5.556	168	114998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236247	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88596	47.812	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.620%		
35) Dibromofluoromethane	5.385	113	74003	43.372	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.740%		
50) Toluene-d8	8.647	98	297982	45.646	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.300%#		
62) 4-Bromofluorobenzene	11.079	95	127837	48.919	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.840%		
Target Compounds						Qvalue
6) Chloroethane	1.678	64	227	0.236	ug/l #	59
11) Tert butyl alcohol	2.952	59	1747	3.390	ug/l #	78
13) Acrolein	2.227	56	157	0.576	ug/l #	14
16) Acetone	2.379	43	25444	25.794	ug/l #	89
18) Methyl Acetate	2.702	43	2261	0.483	ug/l #	87
20) Methylene Chloride	2.788	84	6098	3.429	ug/l	95
25) 2-Butanone	4.574	43	2532	1.583	ug/l	97
29) Tetrahydrofuran	5.037	42	421	0.415	ug/l #	59
36) 1,1-Dichloropropene	5.550	75	10169	4.158	ug/l #	51
37) Ethyl Acetate	4.733	43	3473	1.090	ug/l #	96
38) Carbon Tetrachloride	5.550	117	12570	5.562	ug/l #	16
43) Isopropyl Acetate	6.336	43	165040	32.413	ug/l	98
44) Trichloroethene	7.135	130	651	0.370	ug/l	99
48) Methyl methacrylate	7.799	41	128225	51.903	ug/l #	47
49) 1,4-Dioxane	7.799	88	176	3.682	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	116552	35.819	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	903	0.295	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	54378	17.195	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	6623	2.138	ug/l #	42
59) 2-Hexanone	9.378	43	141903	54.409	ug/l #	26
74) N-amyl acetate	10.640	43	29092	5.870	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	64853	21.600	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	64853	47.910	ug/l #	5

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

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Response via : Initial Calibration

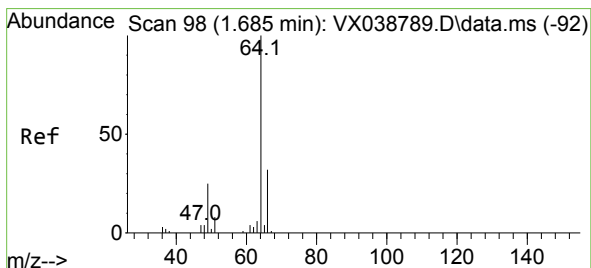
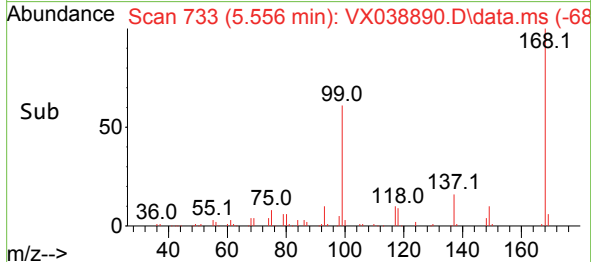
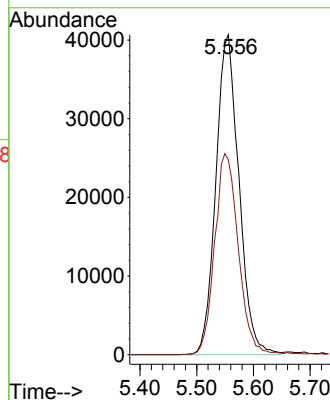
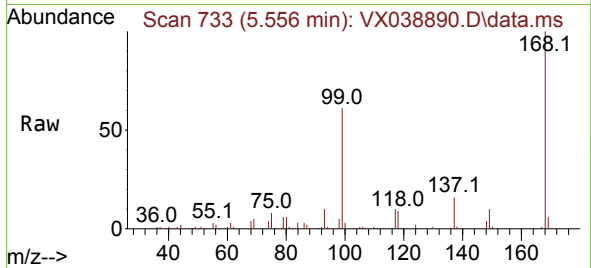




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

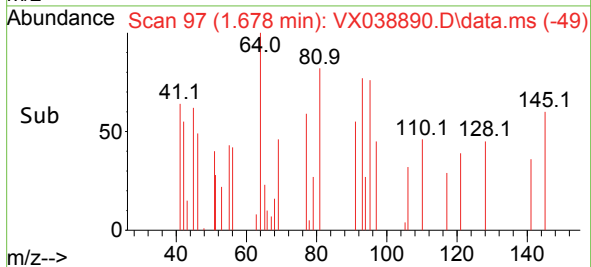
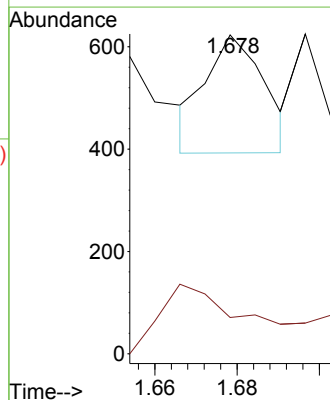
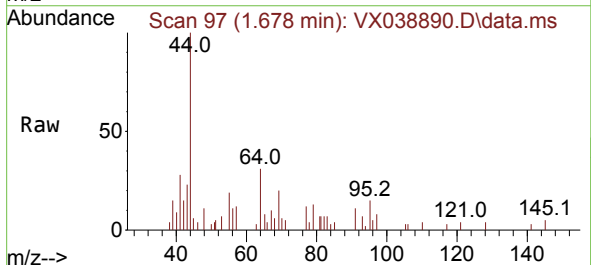
Instrument :
MSVOA_X
ClientSampleId :
PB157201TB

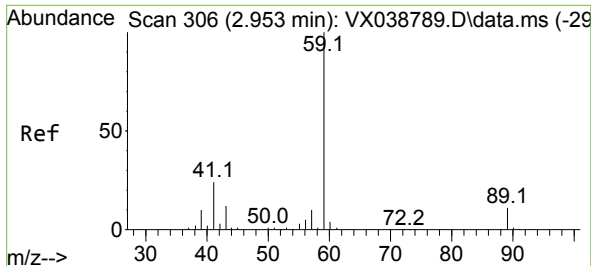
Tgt Ion:168 Resp: 114998
Ion Ratio Lower Upper
168 100
99 60.9 56.6 85.0



#6
Chloroethane
Concen: 0.236 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.007 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 8.7 25.1 37.7#

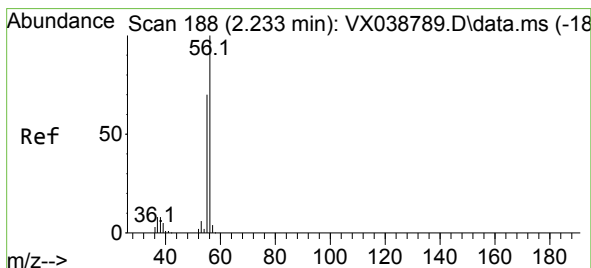
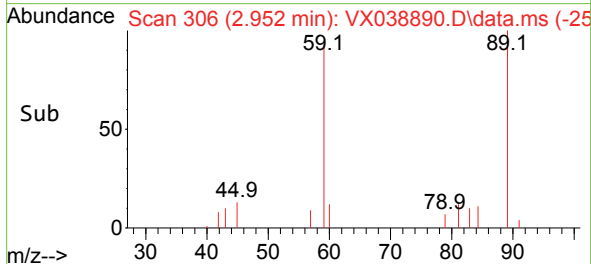
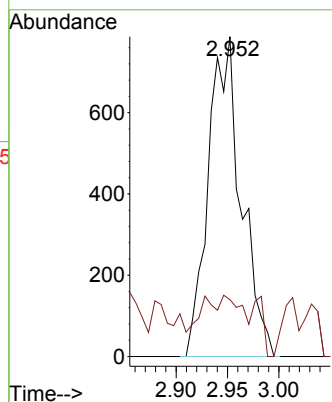
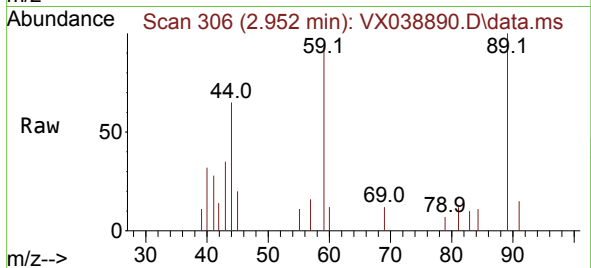




#11
Tert butyl alcohol
Concen: 3.390 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

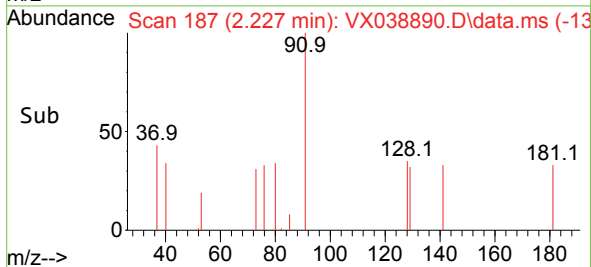
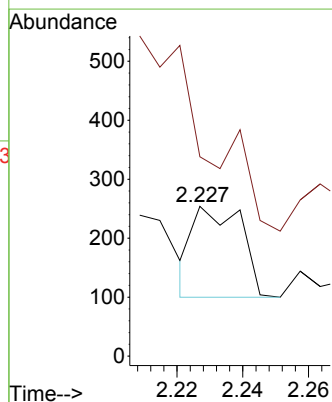
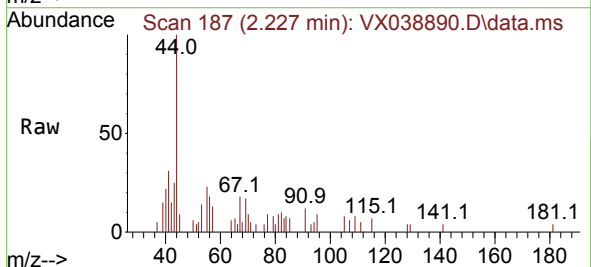
Instrument :
MSVOA_X
ClientSampleId :
PB157201TB

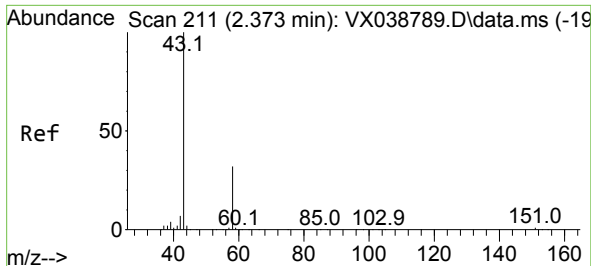
Tgt Ion: 59 Resp: 1747
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.576 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

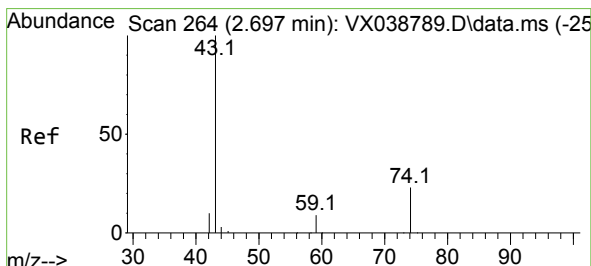
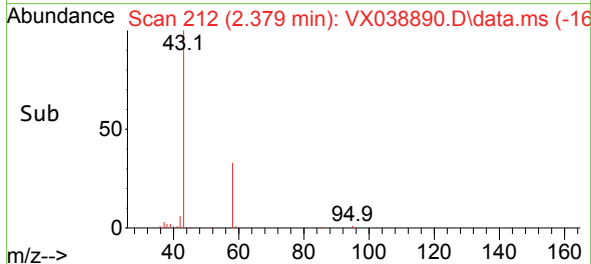
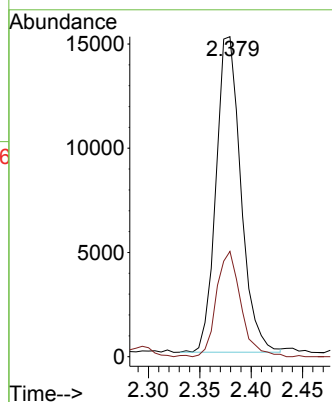
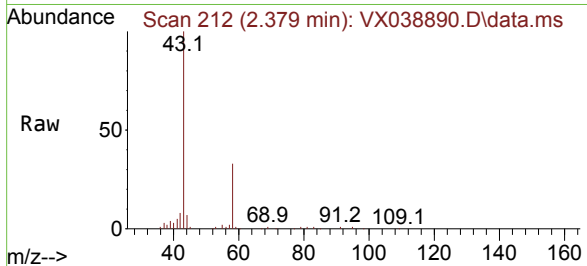




#16
Acetone
Concen: 25.794 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

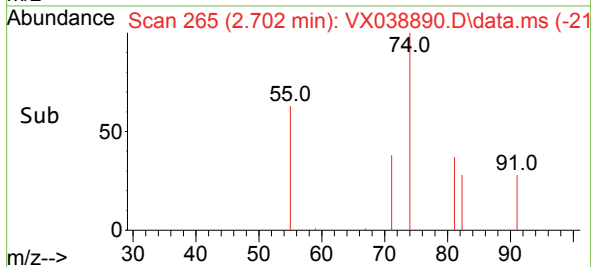
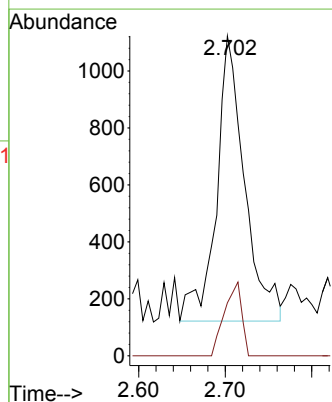
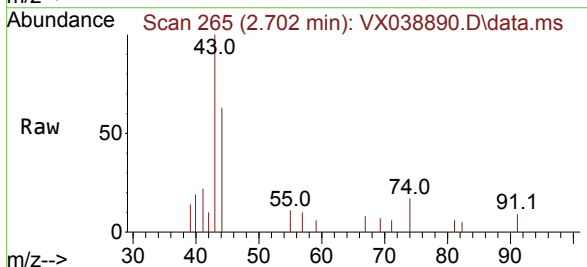
Instrument :
MSVOA_X
ClientSampleId :
PB157201TB

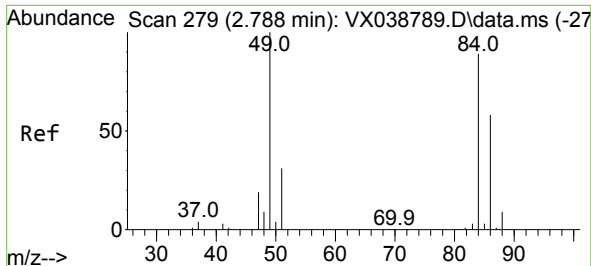
Tgt Ion: 43 Resp: 25444
Ion Ratio Lower Upper
43 100
58 33.0 21.9 32.9#



#18
Methyl Acetate
Concen: 0.483 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion: 43 Resp: 2261
Ion Ratio Lower Upper
43 100
74 15.8 17.8 26.8#





#20

Methylene Chloride

Concen: 3.429 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX038890.D

Acq: 17 Nov 2023 18:57

Instrument :

MSVOA_X

ClientSampleId :

PB157201TB

Tgt Ion: 84 Resp: 6098

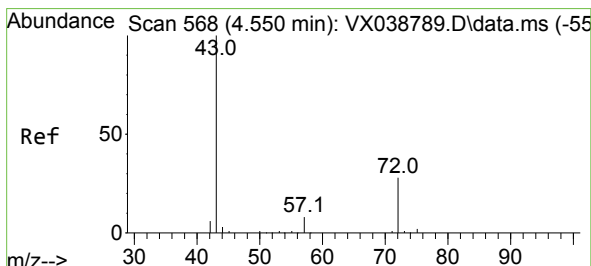
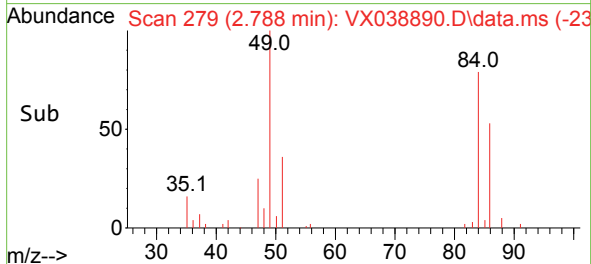
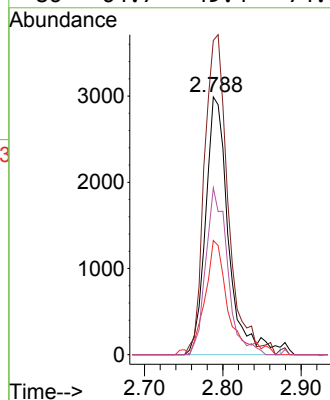
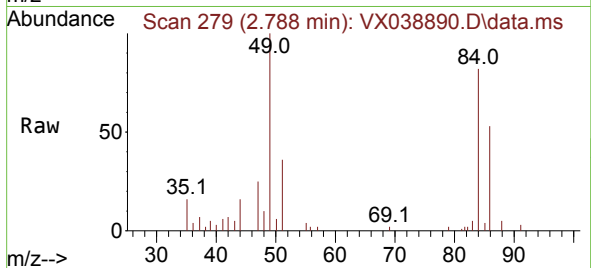
Ion Ratio Lower Upper

84 100

49 121.9 103.6 155.4

51 44.3 33.8 50.6

86 64.7 49.4 74.0



#25

2-Butanone

Concen: 1.583 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.024 min

Lab File: VX038890.D

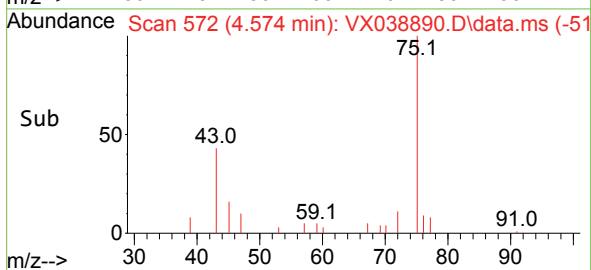
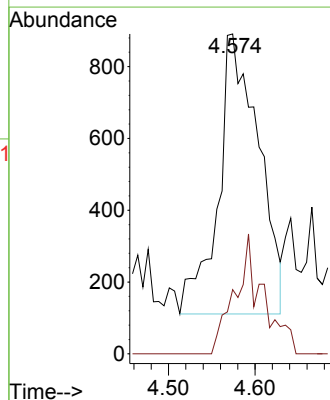
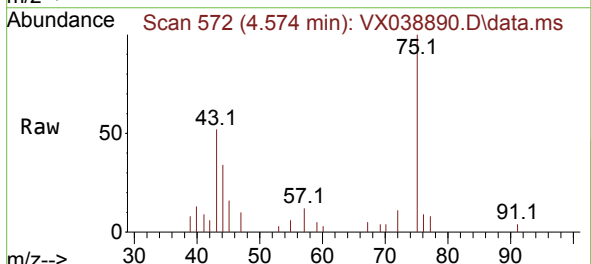
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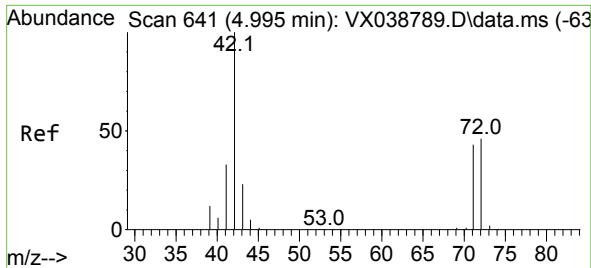
Tgt Ion: 43 Resp: 2532

Ion Ratio Lower Upper

43 100

72 22.9 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.415 ug/l

RT: 5.037 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX038890.D

Acq: 17 Nov 2023 18:57

Instrument :

MSVOA_X

ClientSampleId :

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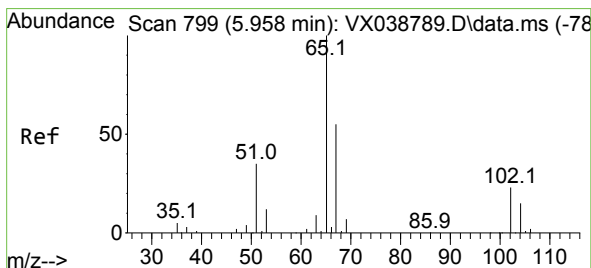
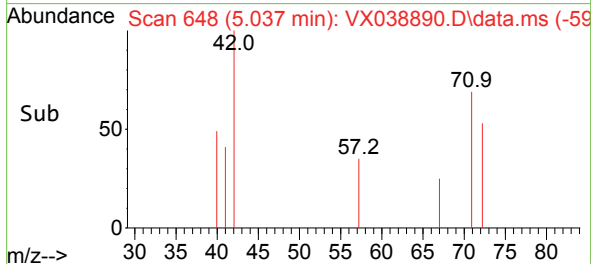
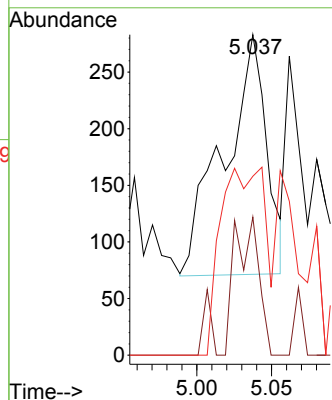
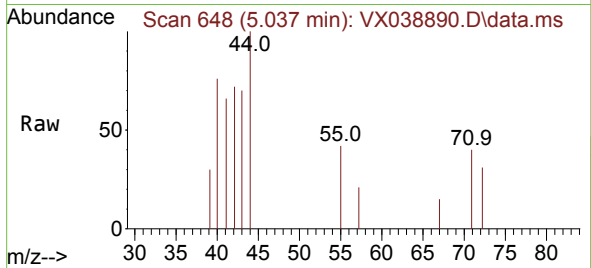
Tgt Ion: 42 Resp: 421

Ion Ratio Lower Upper

42 100

72 32.1 34.2 51.4#

71 81.7 32.2 48.2#



#33

1,2-Dichloroethane-d4

Concen: 47.812 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038890.D

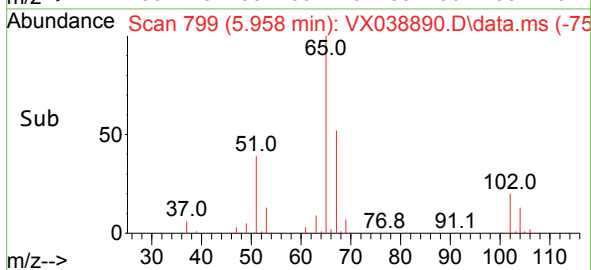
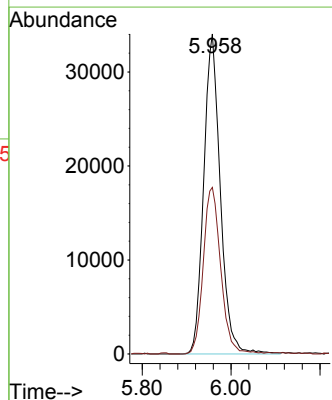
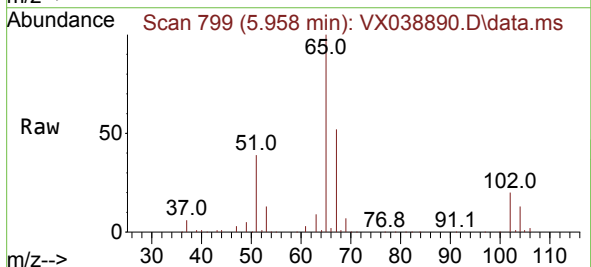
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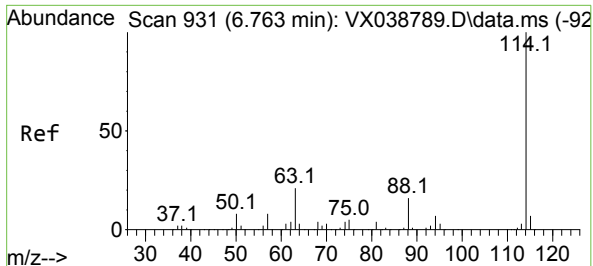
Tgt Ion: 65 Resp: 88596

Ion Ratio Lower Upper

65 100

67 54.7 0.0 100.2

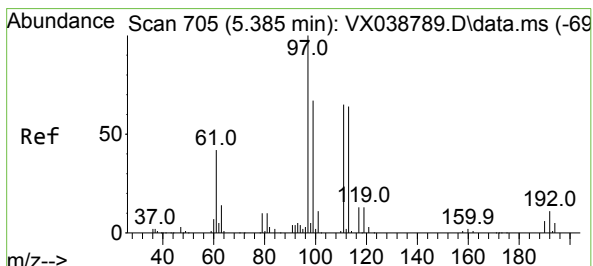
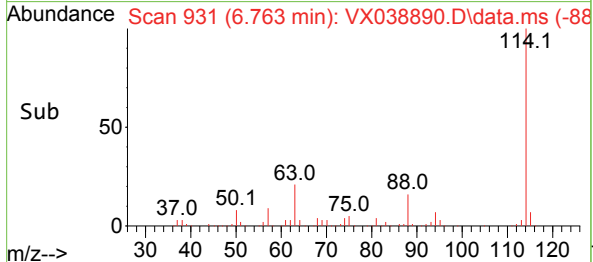
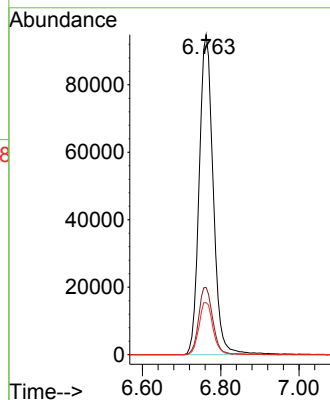
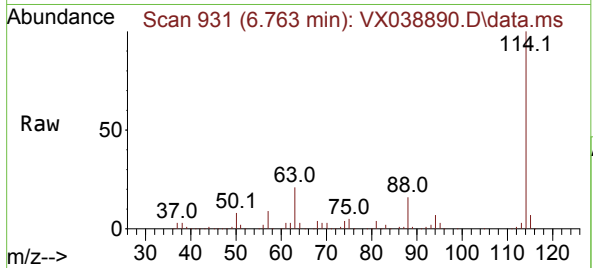




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

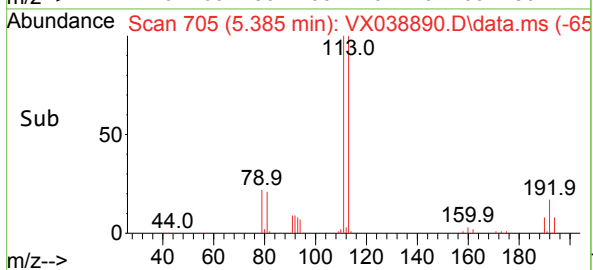
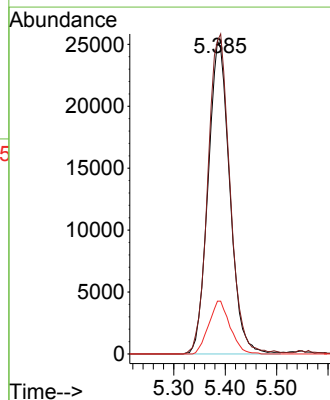
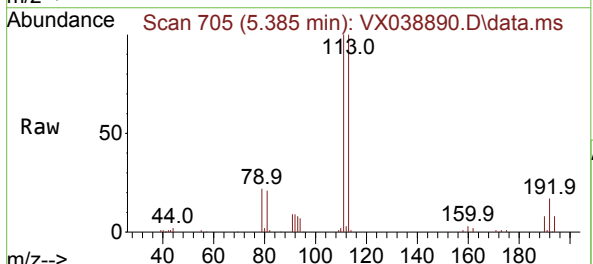
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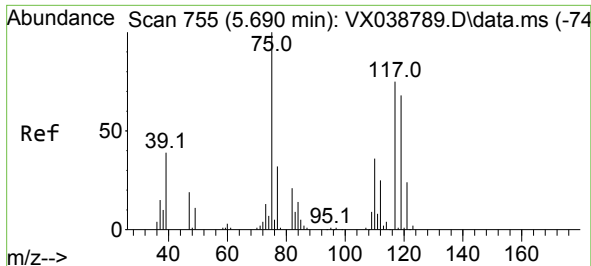
Tgt Ion:114 Resp: 236247
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.372 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion:113 Resp: 74003
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 16.6 13.3 19.9

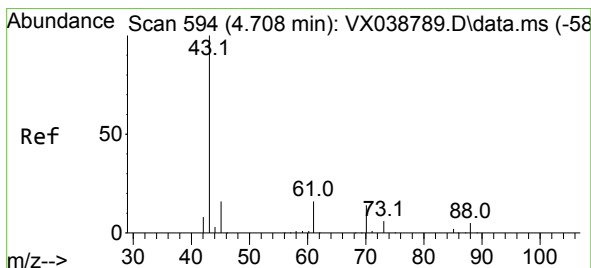
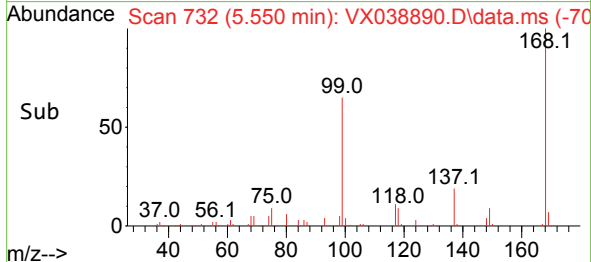
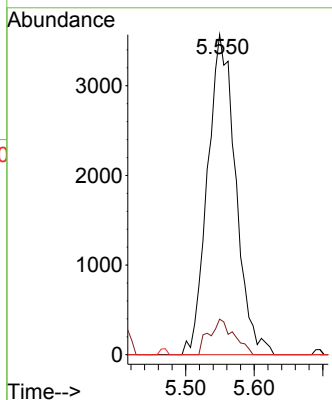
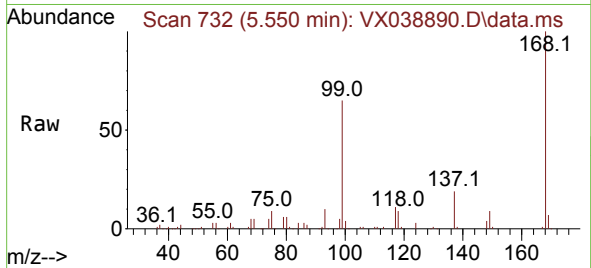




#36
1,1-Dichloropropene
Concen: 4.158 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

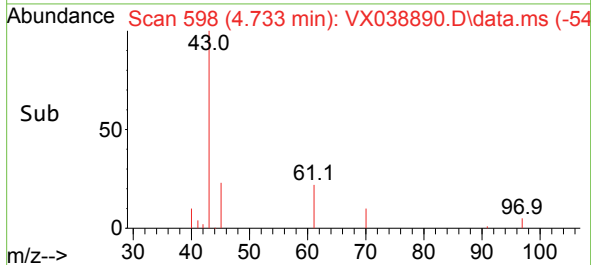
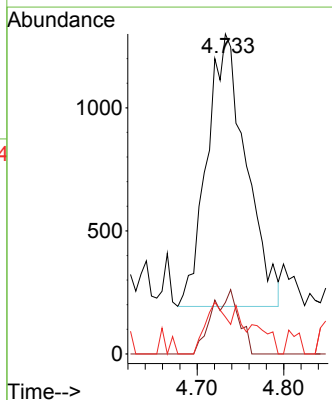
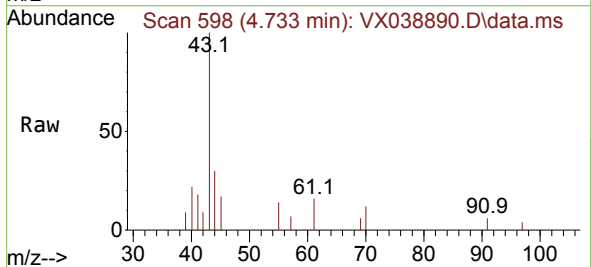
Instrument :
MSVOA_X
ClientSampleId :
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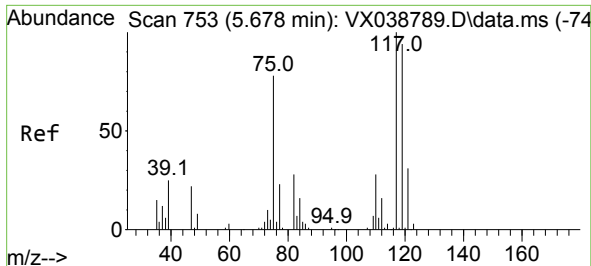
Tgt Ion: 75 Resp: 10169
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.090 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.024 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

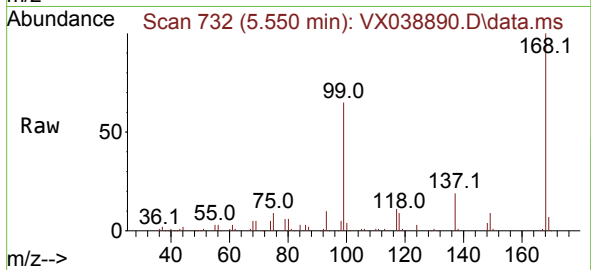
Tgt Ion: 43 Resp: 3473
Ion Ratio Lower Upper
43 100
61 16.1 10.6 16.0#
70 10.5 8.3 12.5



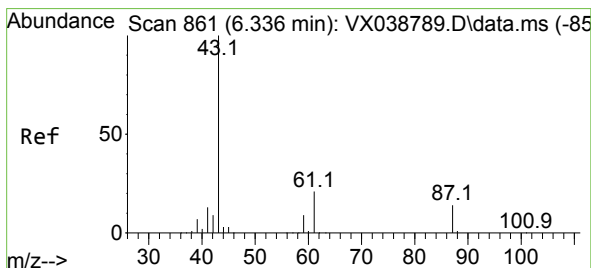
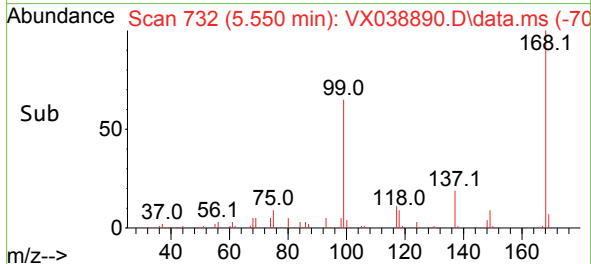
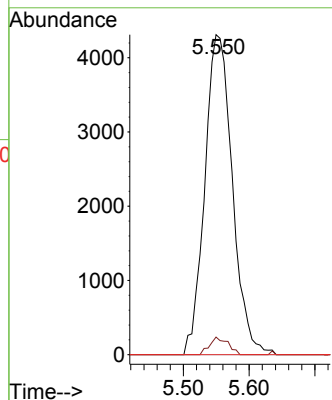


#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Instrument :
MSVOA_X
ClientSampleId :
PB157201TB

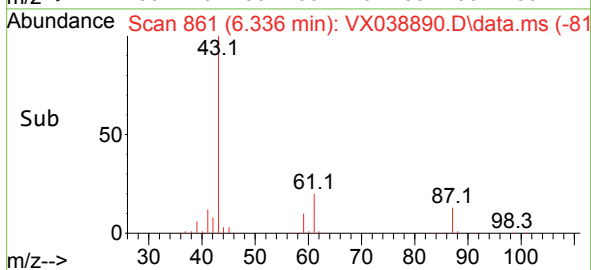
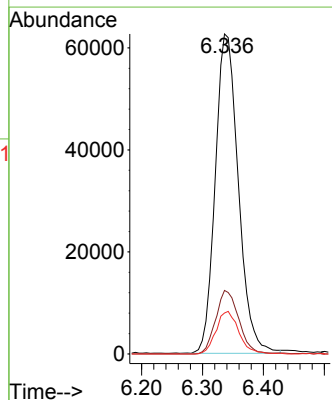
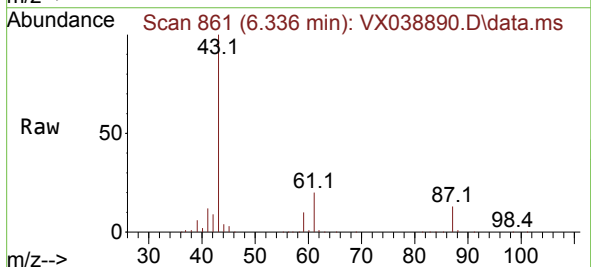


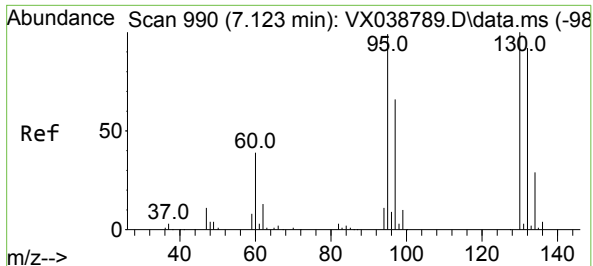
Tgt Ion:117 Resp: 12570
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.413 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion: 43 Resp: 165040
Ion Ratio Lower Upper
43 100
61 19.8 15.2 22.8
87 13.2 9.8 14.6

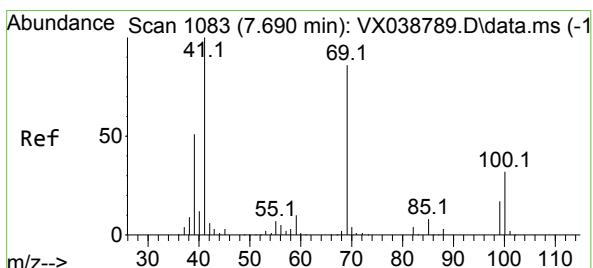
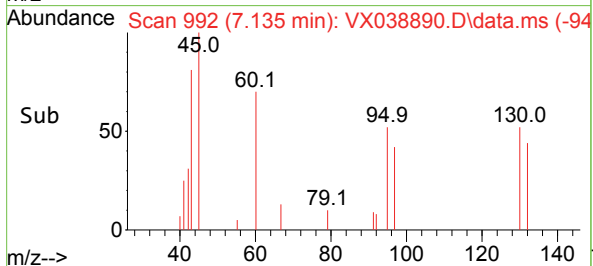
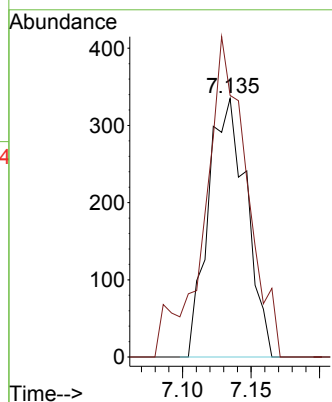
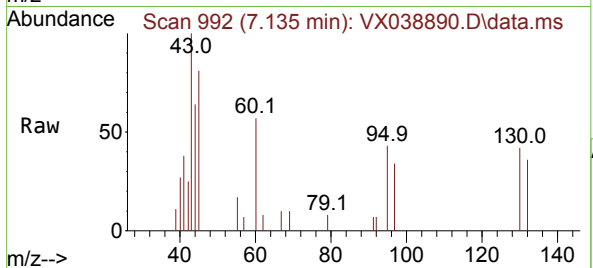




#44
Trichloroethene
Concen: 0.370 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

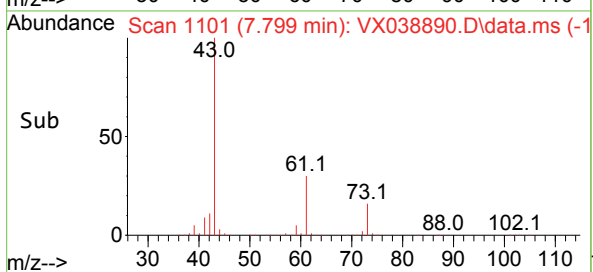
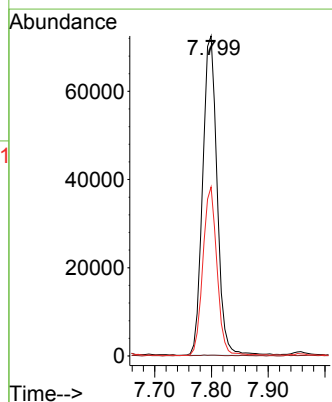
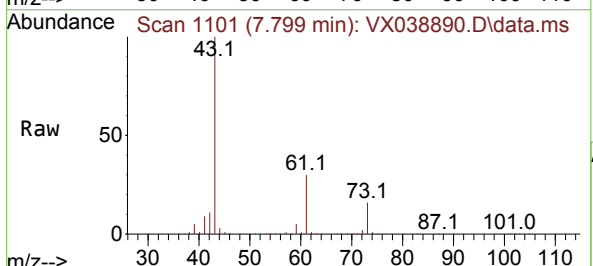
Instrument :
MSVOA_X
ClientSampleId :
PB157201TB

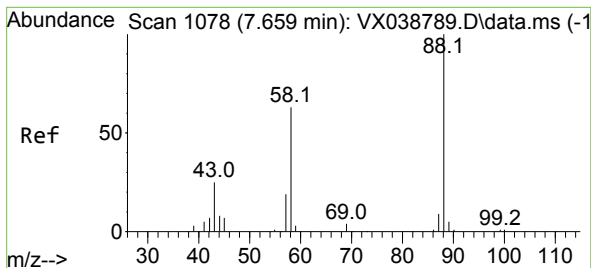
Tgt Ion:130 Resp: 651
Ion Ratio Lower Upper
130 100
95 101.2 0.0 204.4



#48
Methyl methacrylate
Concen: 51.903 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion: 41 Resp: 128225
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 51.8 47.7 71.5





#49

1,4-Dioxane

Concen: 3.682 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX038890.D

Acq: 17 Nov 2023 18:57

Instrument :

MSVOA_X

ClientSampleId :

PB157201TB

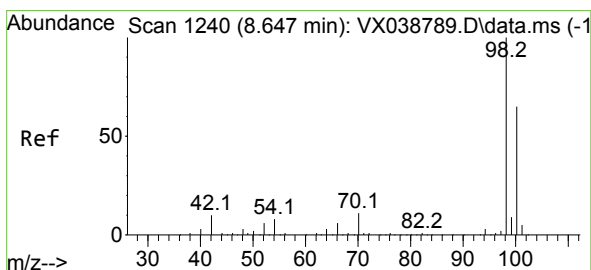
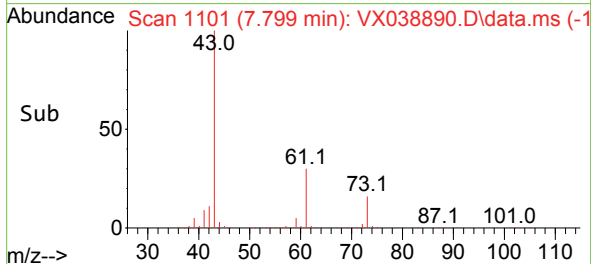
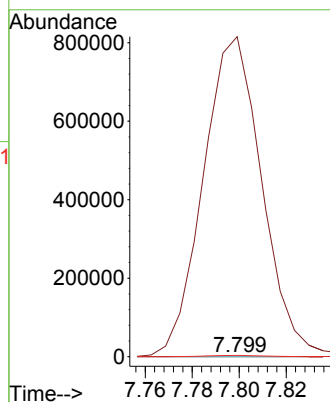
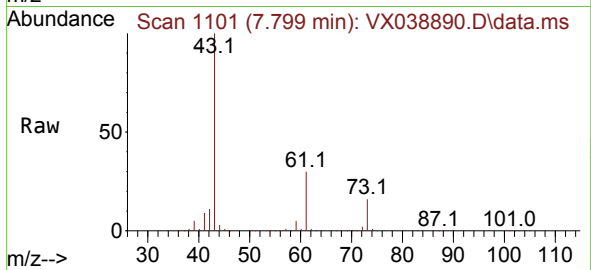
Tgt Ion: 88 Resp: 176

Ion Ratio Lower Upper

88 100

43 815883.0 0.0 0.0#

58 3114.8 60.1 90.1#



#50

Toluene-d8

Concen: 45.646 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX038890.D

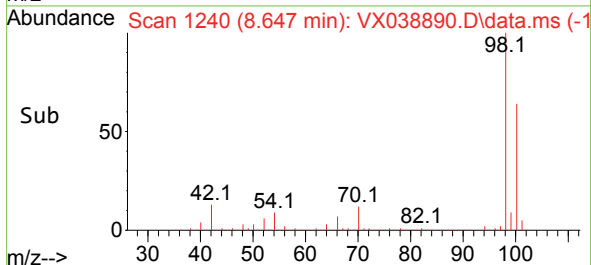
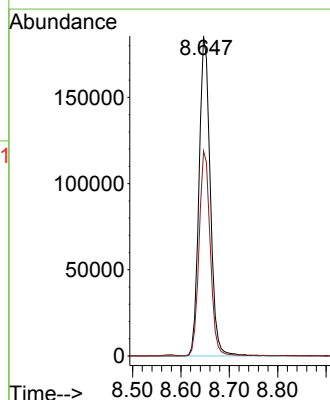
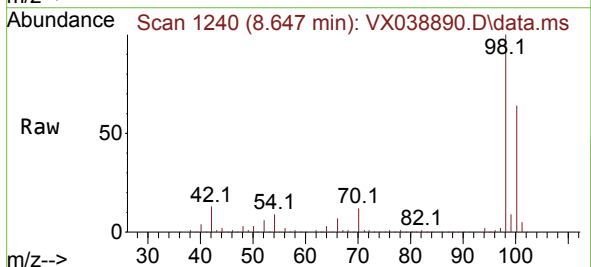
Acq: 17 Nov 2023 18:57

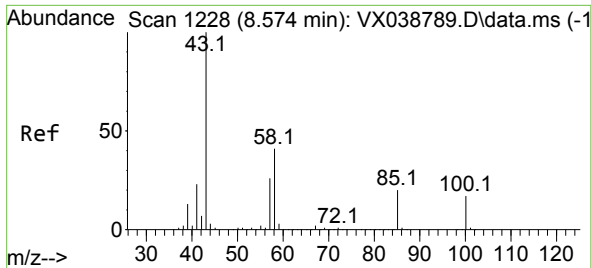
Tgt Ion: 98 Resp: 297982

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7

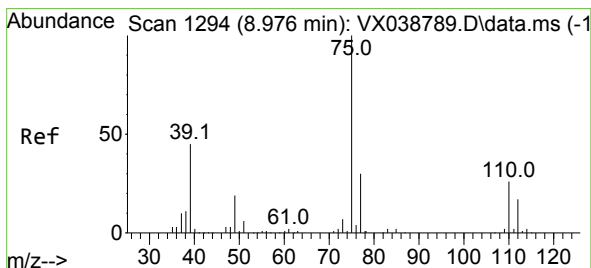
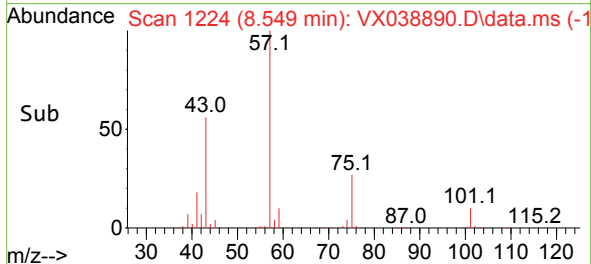
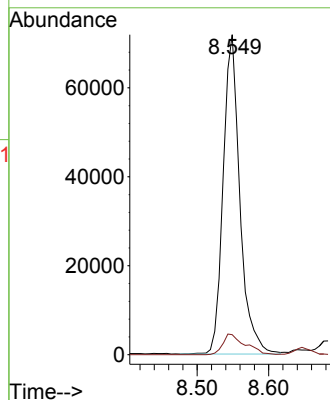
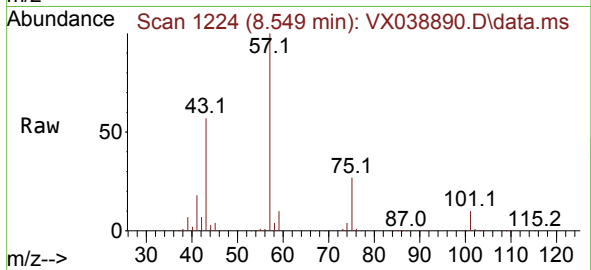




#51
4-Methyl-2-Pentanone
Concen: 35.819 ug/l
RT: 8.549 min Scan# 1165
Delta R.T. -0.025 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

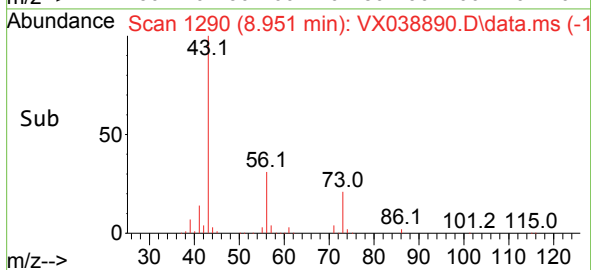
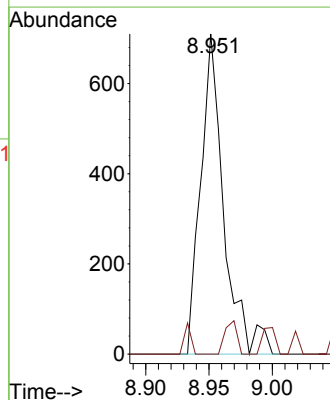
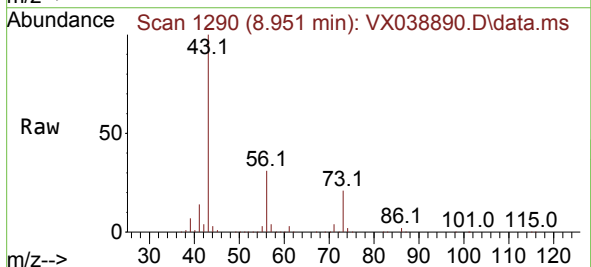
Instrument :
MSVOA_X
ClientSampleId :
PB157201TB

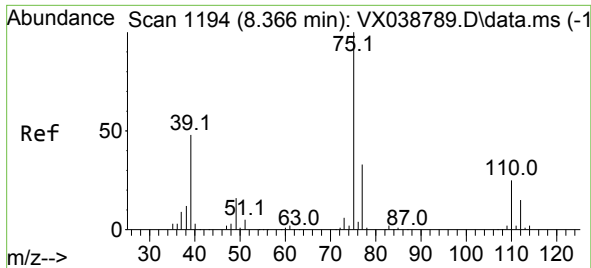
Tgt Ion: 43 Resp: 116552
Ion Ratio Lower Upper
43 100
58 8.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.295 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion: 75 Resp: 903
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

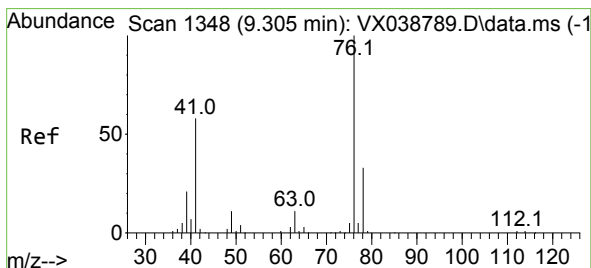
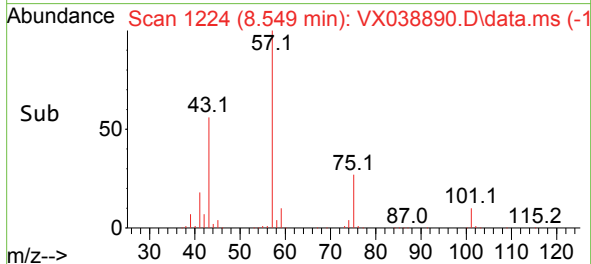
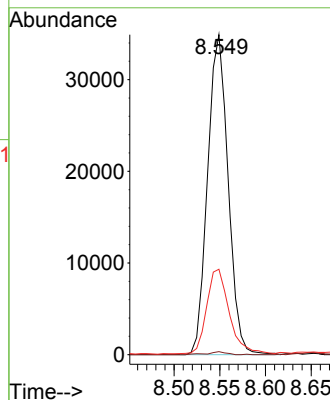
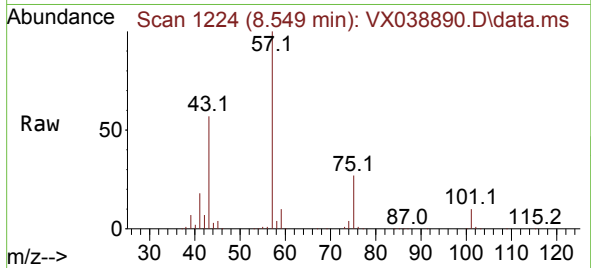




#54
 cis-1,3-Dichloropropene
 Concen: 17.195 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038890.D
 Acq: 17 Nov 2023 18:57

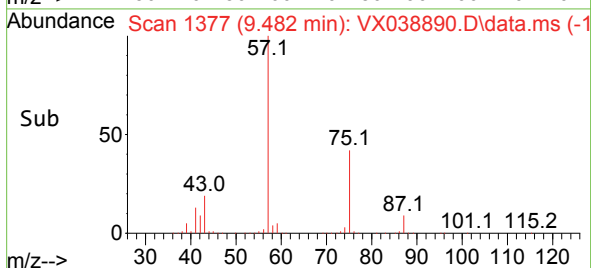
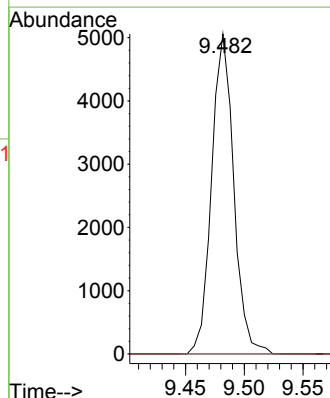
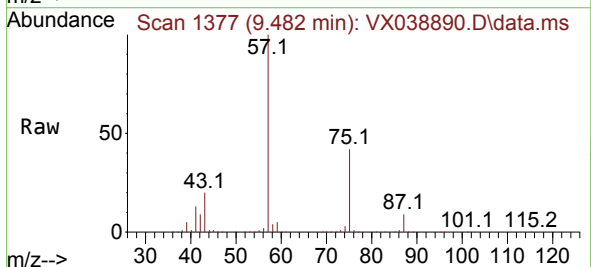
Instrument :
 MSVOA_X
 ClientSampleId :
 PB157201TB

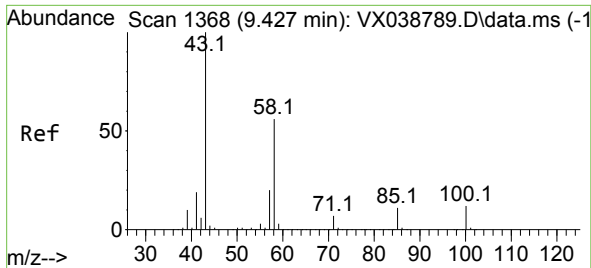
Tgt Ion: 75 Resp: 54378
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.3 37.9#
 39 26.4 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.138 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX038890.D
 Acq: 17 Nov 2023 18:57

Tgt Ion: 76 Resp: 6623
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

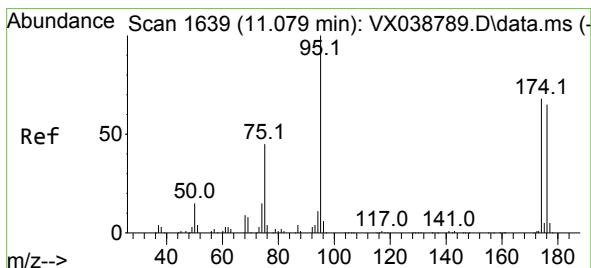
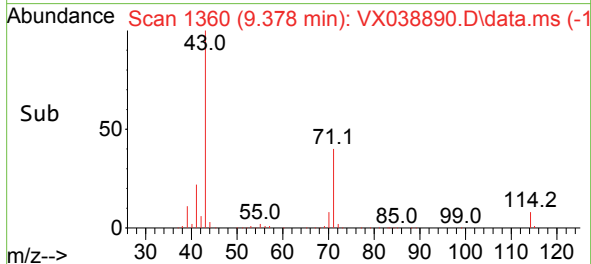
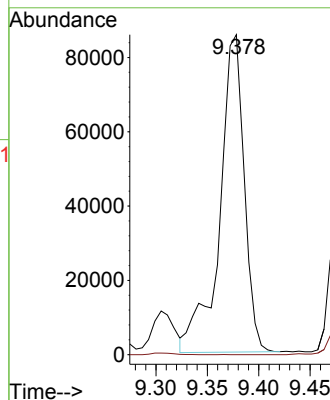
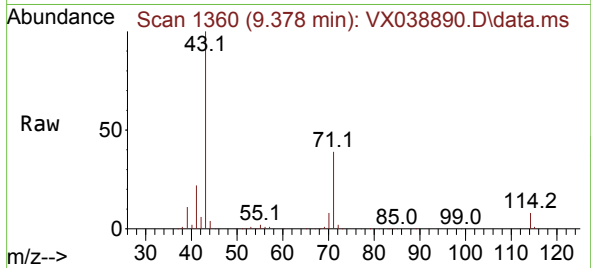




#59
2-Hexanone
Concen: 54.409 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

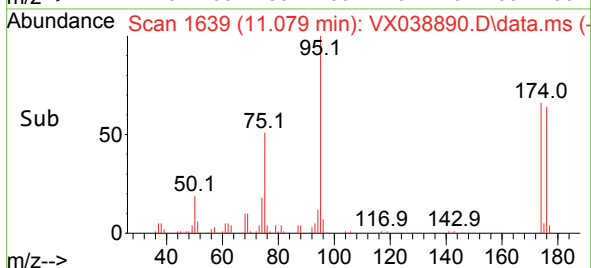
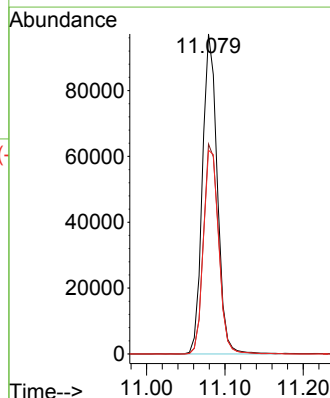
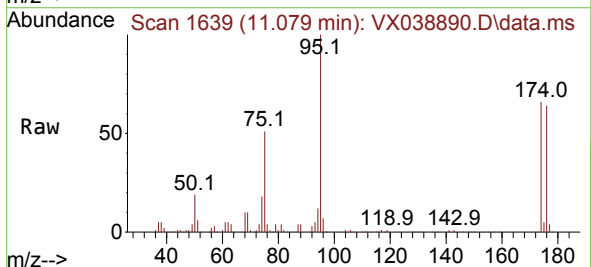
Instrument :
MSVOA_X
ClientSampleId :
PB157201TB

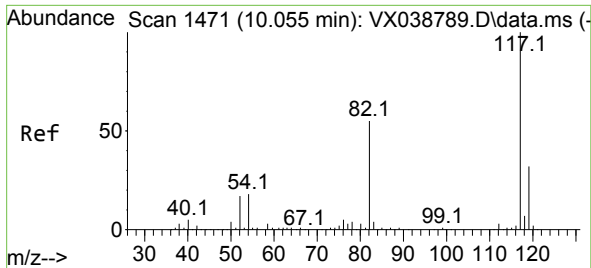
Tgt Ion: 43 Resp: 141903
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion: 95 Resp: 127837
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.6
176 65.7 0.0 131.0

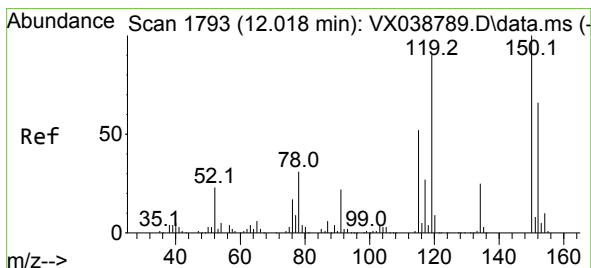
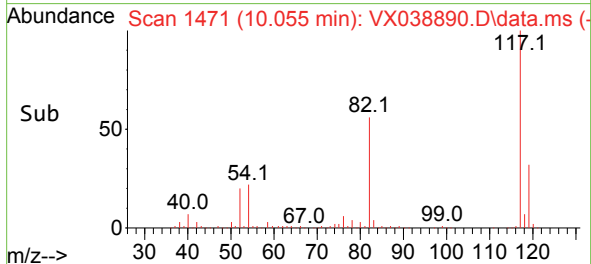
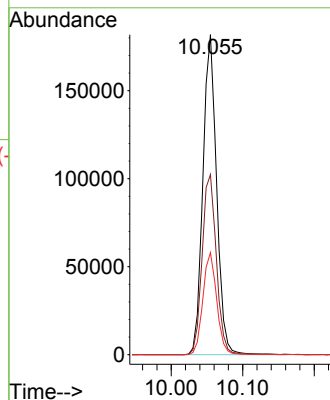
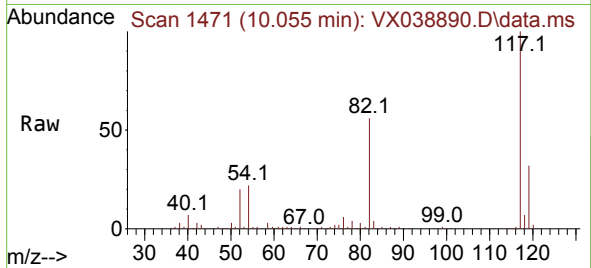




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

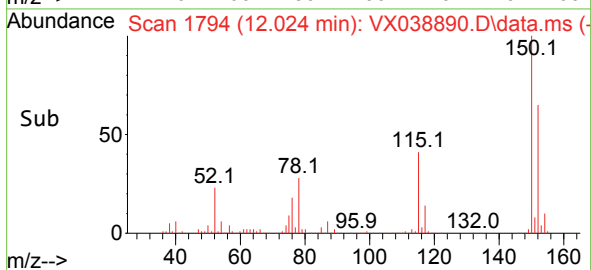
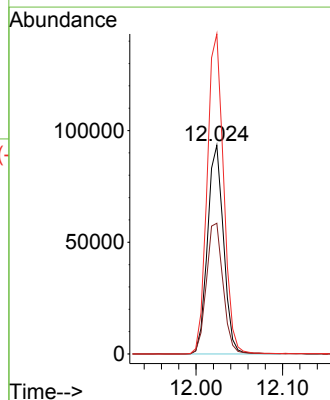
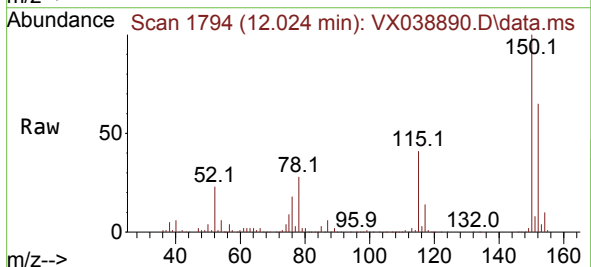
Instrument :
MSVOA_X
ClientSampleId :
PB157201TB

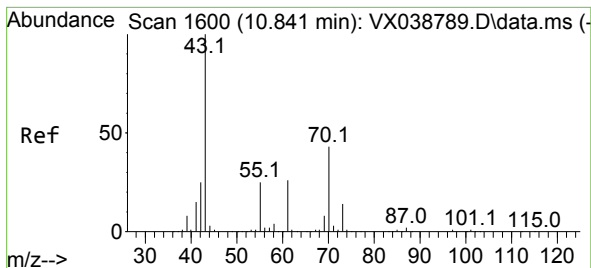
Tgt Ion:117 Resp: 242180
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038890.D
Acq: 17 Nov 2023 18:57

Tgt Ion:152 Resp: 120341
Ion Ratio Lower Upper
152 100
115 65.2 43.3 129.9
150 157.0 0.0 345.0





#74

N-amyl acetate

Concen: 5.870 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX038890.D

Acq: 17 Nov 2023 18:57

Instrument :

MSVOA_X

ClientSampleId :

PB157201TB

Tgt Ion: 43 Resp: 29092

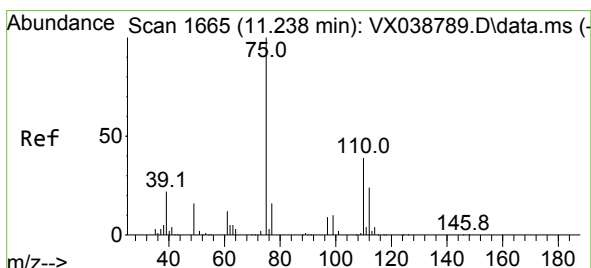
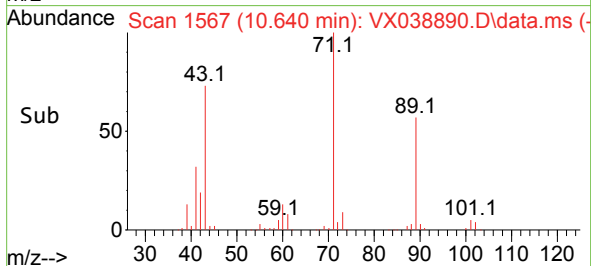
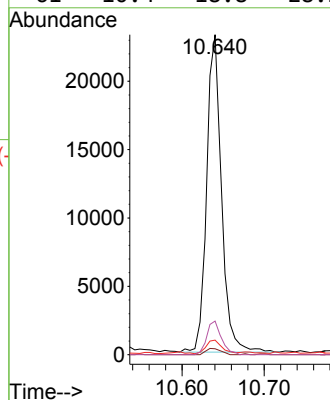
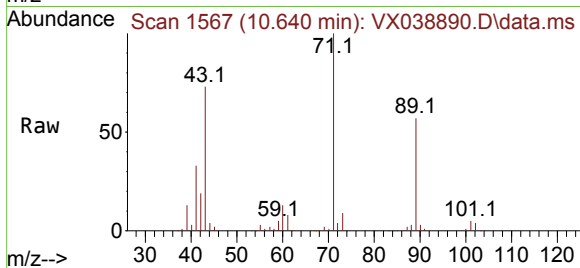
Ion Ratio Lower Upper

43 100

70 2.0 32.9 49.3#

55 4.5 19.3 28.9#

61 10.4 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 21.600 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038890.D

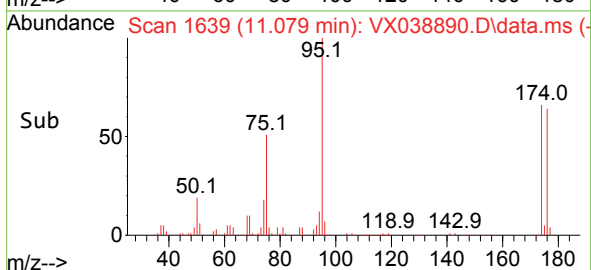
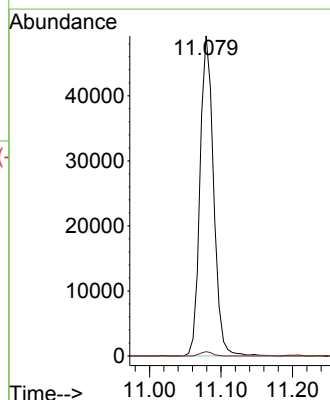
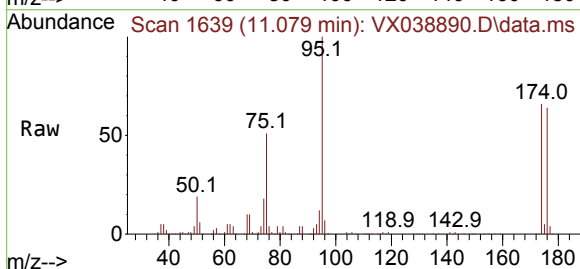
Acq: 17 Nov 2023 18:57

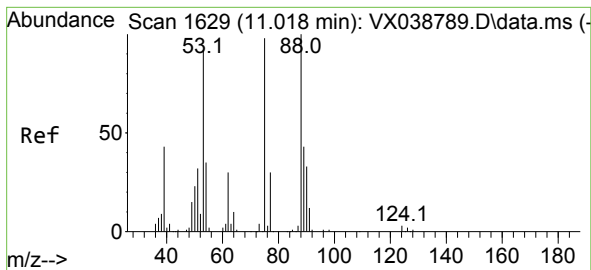
Tgt Ion: 75 Resp: 64853

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.910 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038890.D
 Acq: 17 Nov 2023 18:57

Instrument :
 MSVOA_X
 ClientSampleId :
 PB157201TB

Tgt Ion: 75 Resp: 64853
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 36.9 55.3#

