

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039174.D
 Acq On : 12 Dec 2023 18:28
 Operator : JC/MD
 Sample : PB157647TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB157647TB

Quant Time: Dec 13 04:19:45 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)

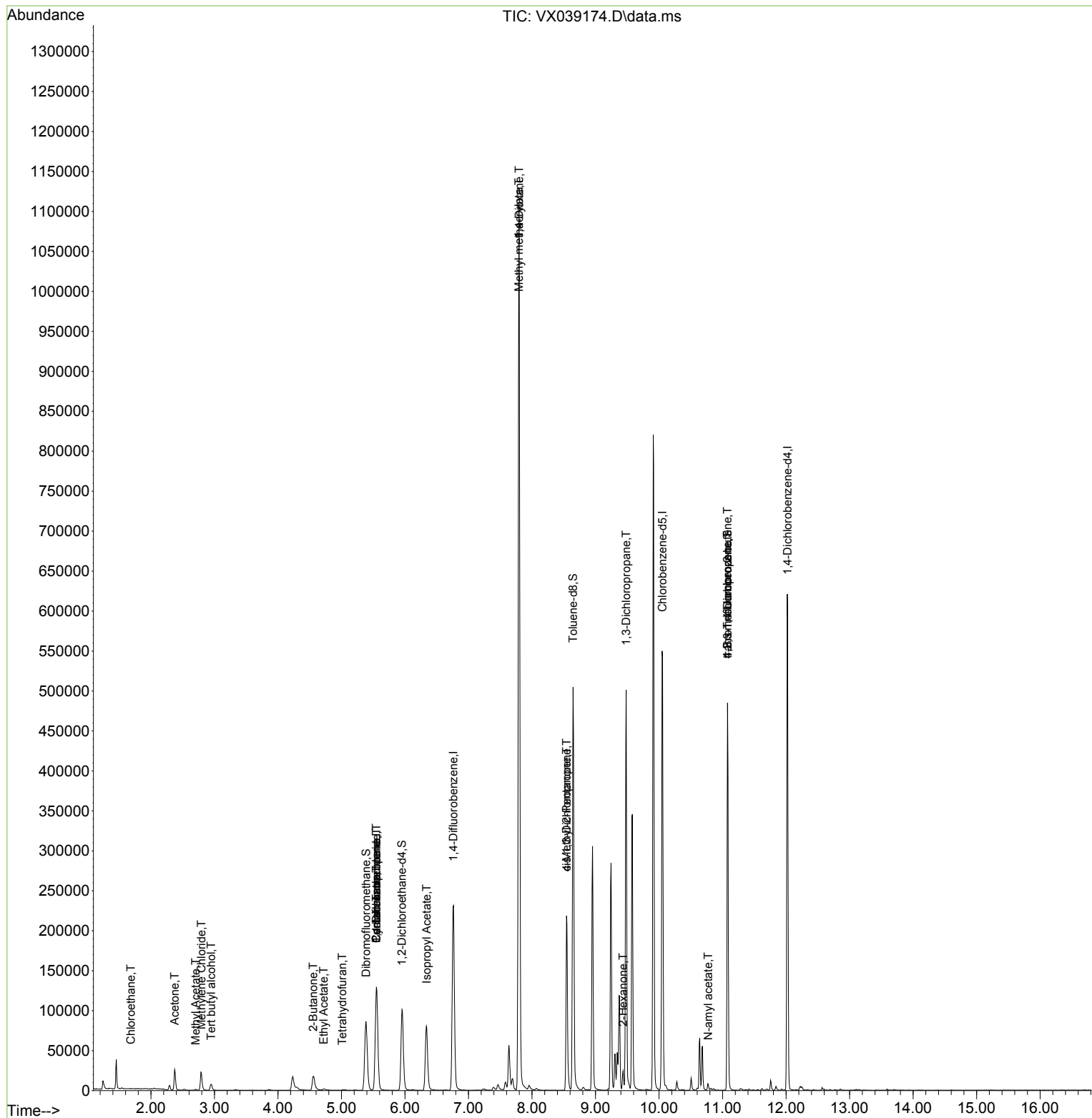
Internal Standards						
1) Pentafluorobenzene	5.550	168	111305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229507	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97892	54.581	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.160%			
35) Dibromofluoromethane	5.385	113	75340	45.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.900%			
50) Toluene-d8	8.647	98	289949	45.720	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.440%#			
62) 4-Bromofluorobenzene	11.079	95	132280	52.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.220%			
Target Compounds					Qvalue	
6) Chloroethane	1.684	64	231	0.248	ug/l #	43
11) Tert butyl alcohol	2.946	59	9007	18.056	ug/l #	92
16) Acetone	2.373	43	27093	28.377	ug/l	92
18) Methyl Acetate	2.702	43	1336	0.295	ug/l	95
20) Methylene Chloride	2.794	84	10681	6.206	ug/l	88
25) 2-Butanone	4.556	43	31383	20.270	ug/l	99
29) Tetrahydrofuran	5.013	42	257	0.261	ug/l #	40
31) Cyclohexane	5.550	56	3369	1.316	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	11048	4.650	ug/l #	50
37) Ethyl Acetate	4.720	43	2791	0.902	ug/l #	93
38) Carbon Tetrachloride	5.550	117	13089	5.961	ug/l #	16
43) Isopropyl Acetate	6.342	43	115428	23.336	ug/l	99
48) Methyl methacrylate	7.793	41	100598	41.916	ug/l #	48
49) 1,4-Dioxane	7.799	88	146	3.144	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	81253	25.704	ug/l #	50
54) cis-1,3-Dichloropropene	8.543	75	34853	11.345	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	4032	1.340	ug/l #	42
59) 2-Hexanone	9.433	43	14527	5.734	ug/l	95
74) N-amyl acetate	10.774	43	4290	0.868	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	73468	24.543	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	73468	54.440	ug/l #	5

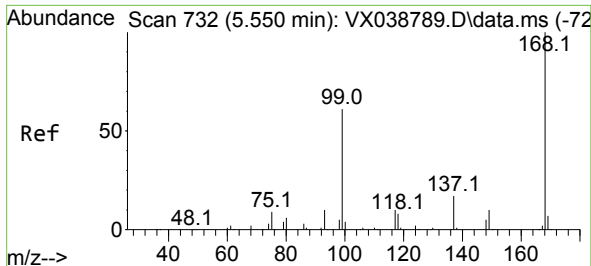
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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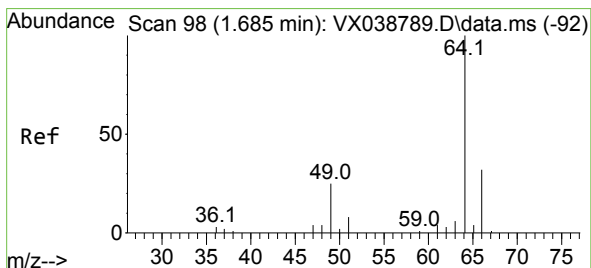
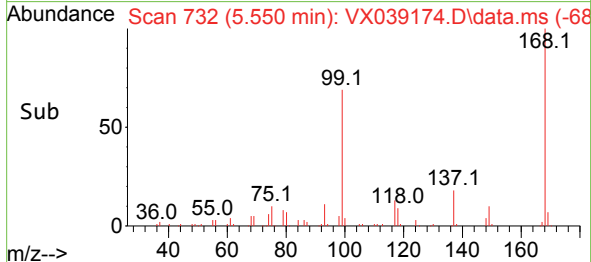
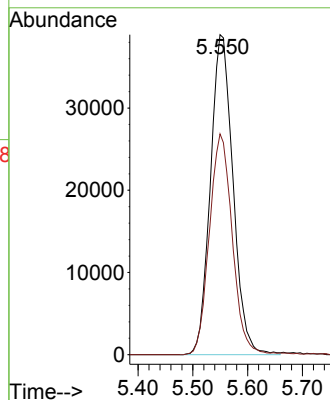
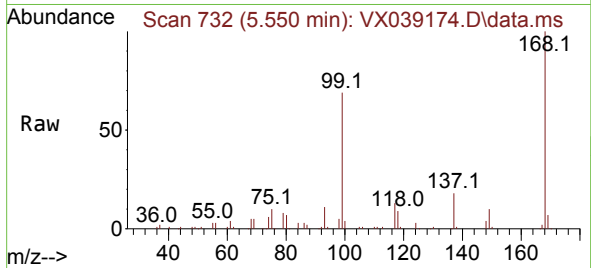




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

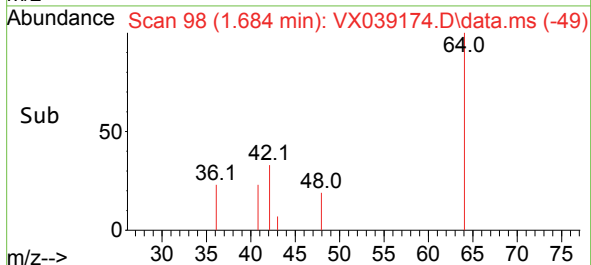
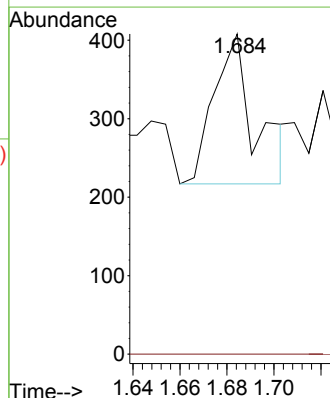
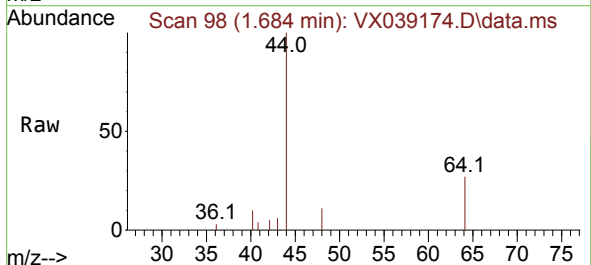
Instrument :
MSVOA_X
ClientSampleId :
PB157647TB

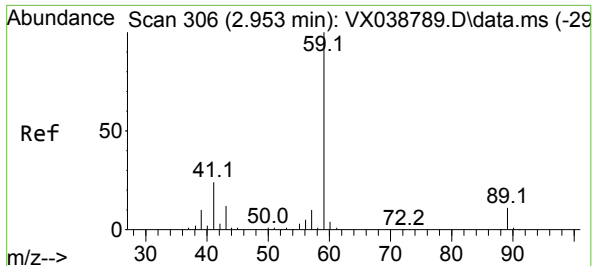
Tgt Ion:168 Resp: 111305
Ion Ratio Lower Upper
168 100
99 69.0 56.6 85.0



#6
Chloroethane
Concen: 0.248 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion: 64 Resp: 231
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

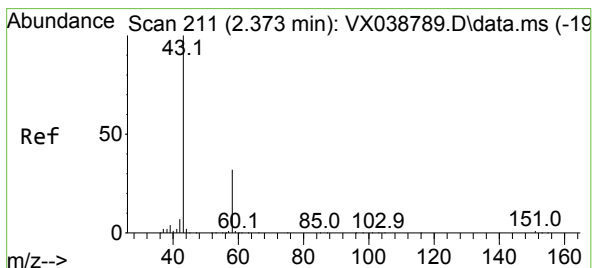
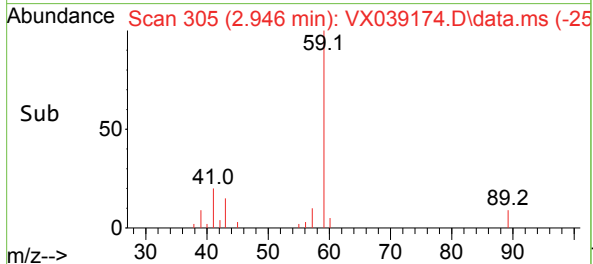
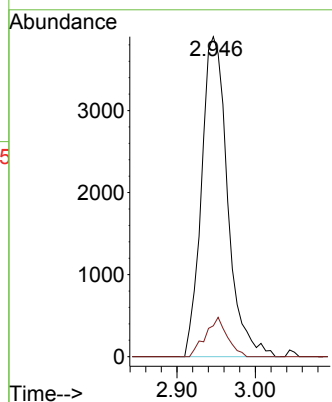
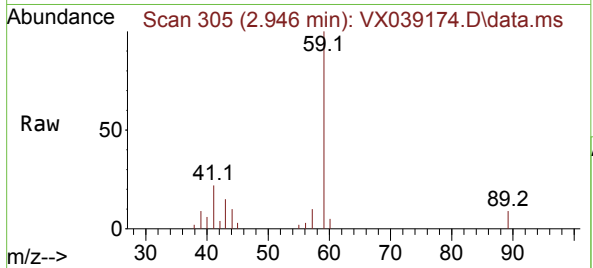




#11
Tert butyl alcohol
Concen: 18.056 ug/l
RT: 2.946 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

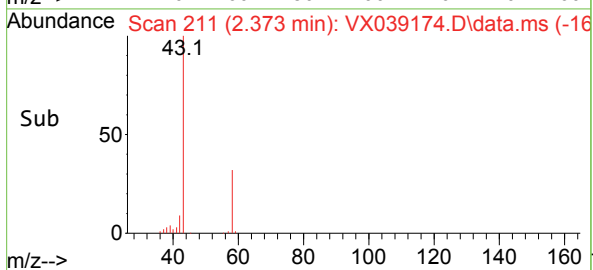
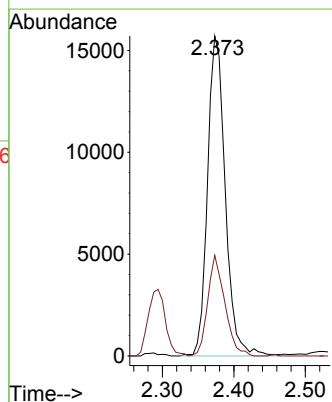
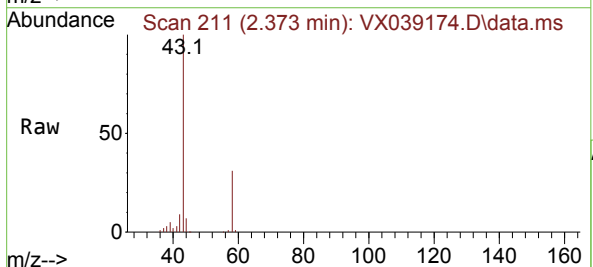
Instrument :
MSVOA_X
ClientSampleId :
PB157647TB

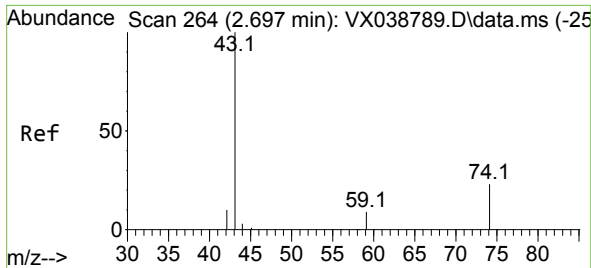
Tgt Ion: 59 Resp: 9007
Ion Ratio Lower Upper
59 100
57 10.2 6.0 9.0#



#16
Acetone
Concen: 28.377 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion: 43 Resp: 27093
Ion Ratio Lower Upper
43 100
58 31.4 21.9 32.9





#18

Methyl Acetate

Concen: 0.295 ug/l

RT: 2.702 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX039174.D

Acq: 12 Dec 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

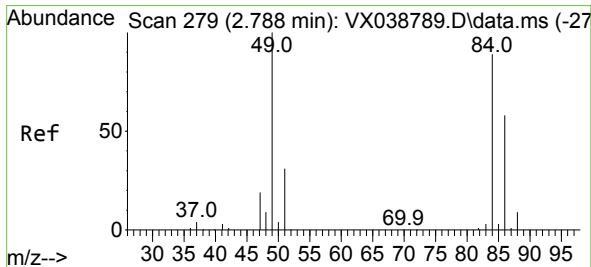
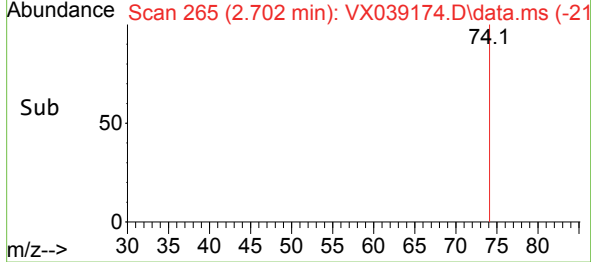
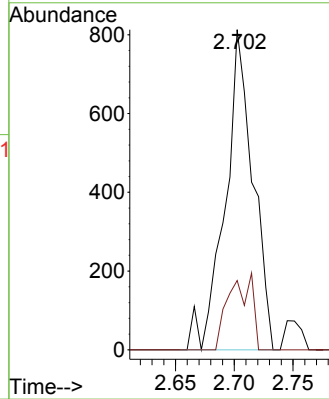
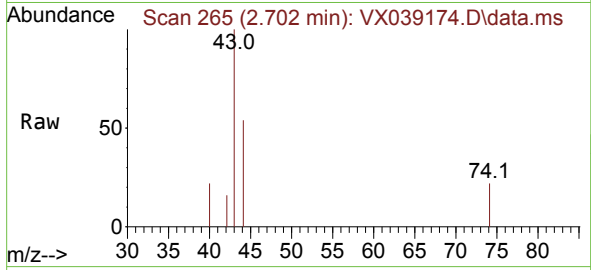
PB157647TB

Tgt Ion: 43 Resp: 1336

Ion Ratio Lower Upper

43 100

74 20.0 17.8 26.8



#20

Methylene Chloride

Concen: 6.206 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX039174.D

Acq: 12 Dec 2023 18:28

Tgt Ion: 84 Resp: 10681

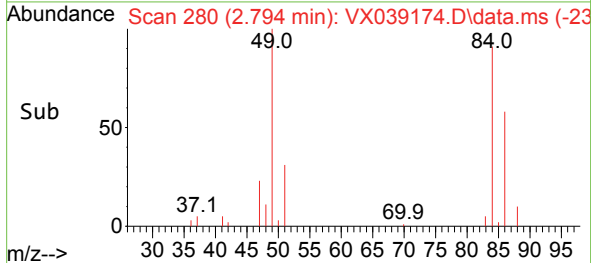
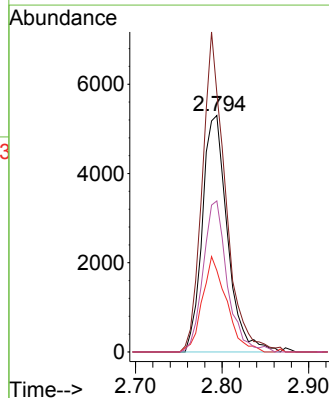
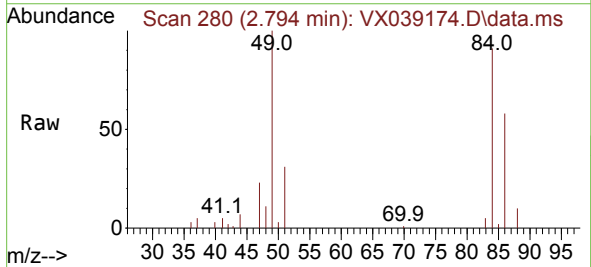
Ion Ratio Lower Upper

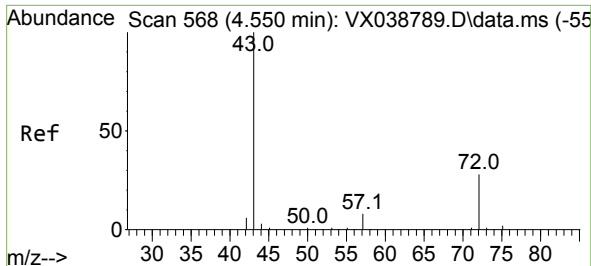
84 100

49 109.6 103.6 155.4

51 34.4 33.8 50.6

86 63.9 49.4 74.0

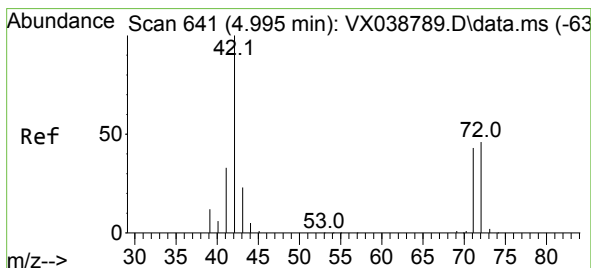
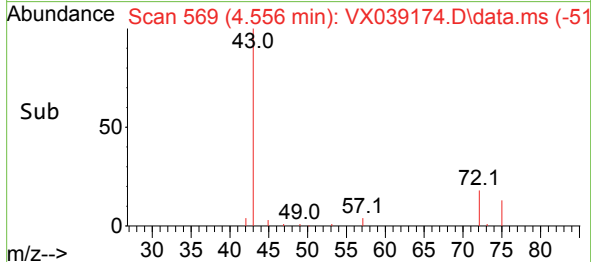
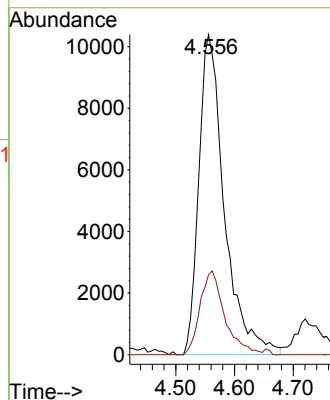
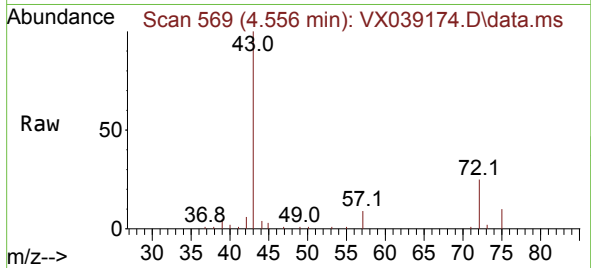




#25
2-Butanone
Concen: 20.270 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

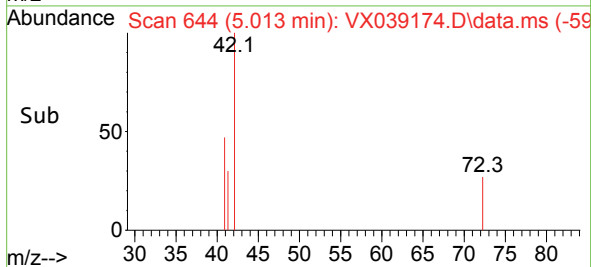
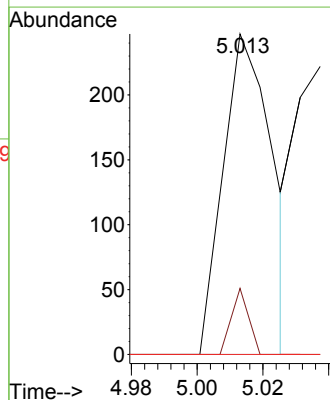
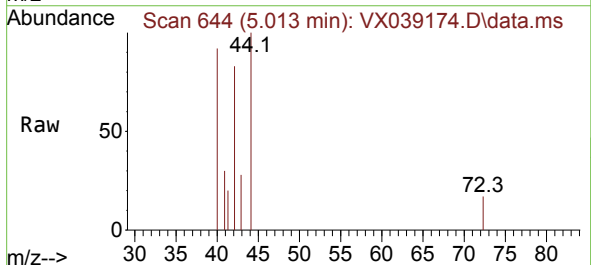
Instrument :
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ClientSampleId :
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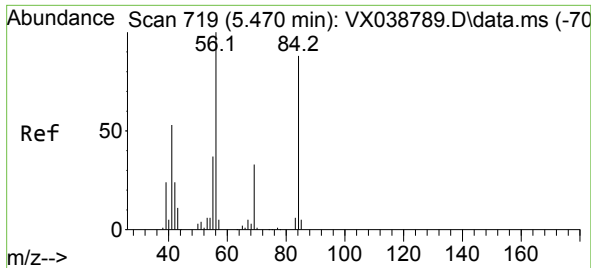
Tgt Ion: 43 Resp: 31383
Ion Ratio Lower Upper
43 100
72 25.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.261 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion: 42 Resp: 257
Ion Ratio Lower Upper
42 100
72 7.4 34.2 51.4#
71 0.0 32.2 48.2#

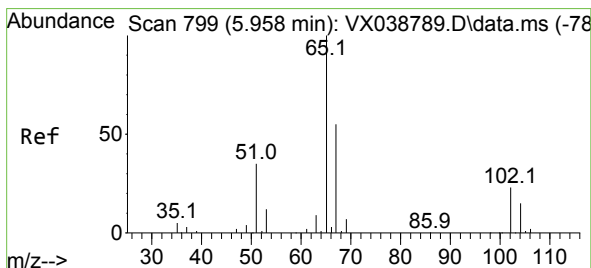
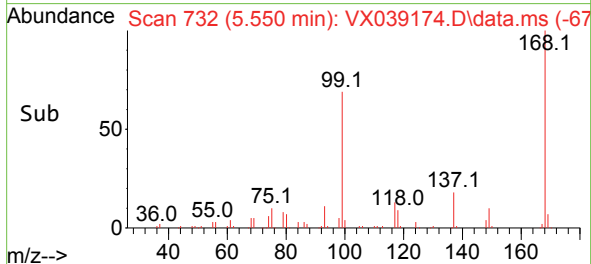
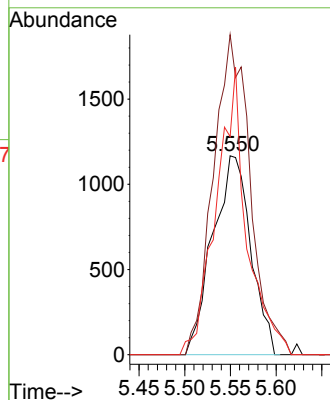
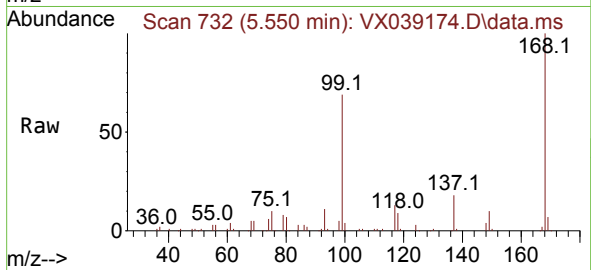




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

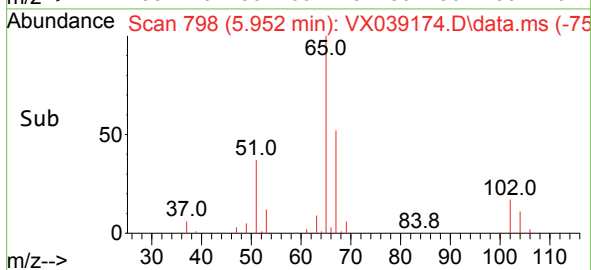
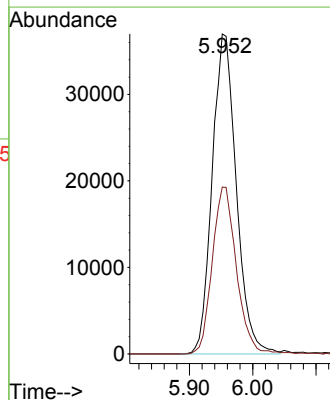
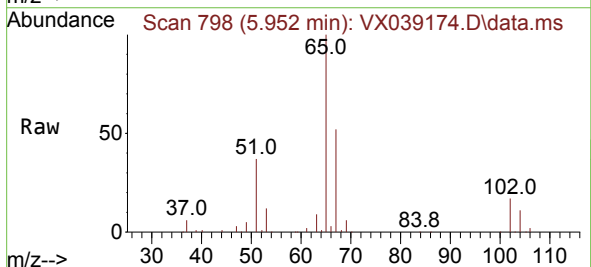
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MSVOA_X
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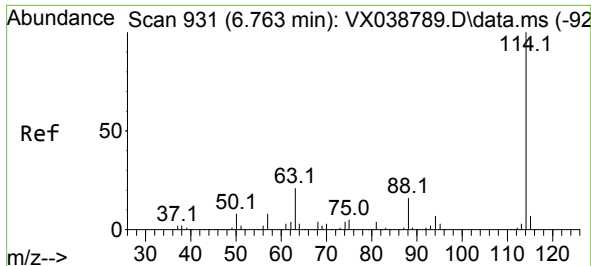
Tgt Ion: 56 Resp: 3369
Ion Ratio Lower Upper
56 100
69 160.9 23.4 35.2#
84 109.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 54.581 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion: 65 Resp: 97892
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2

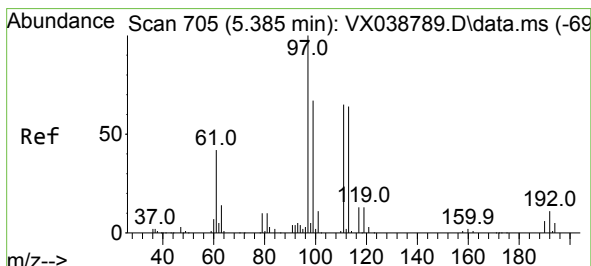
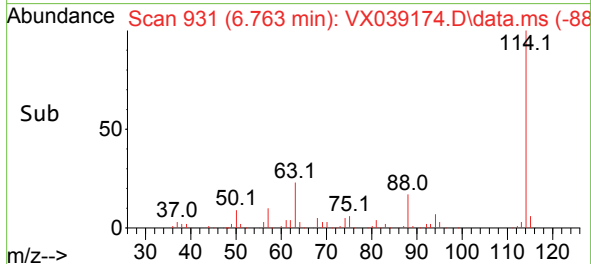
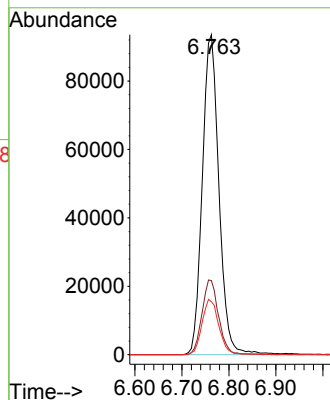
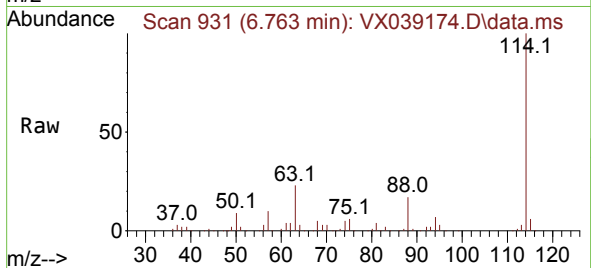




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

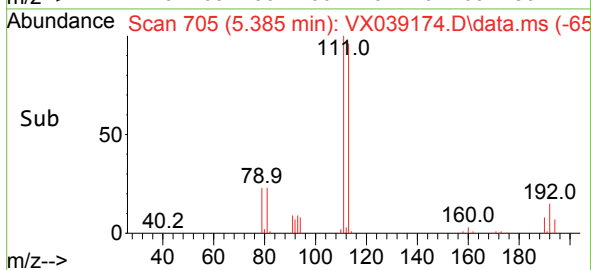
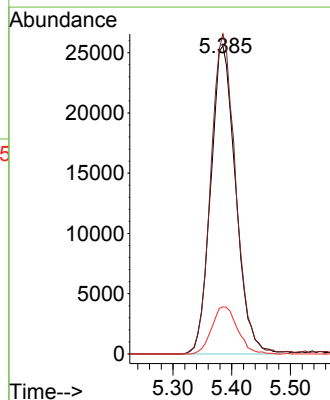
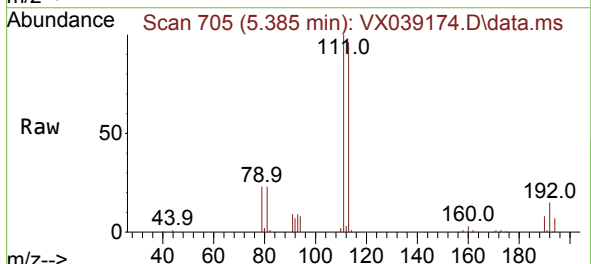
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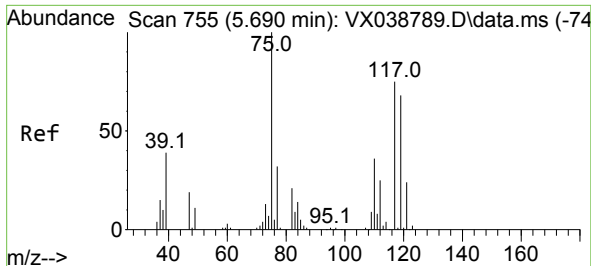
Tgt Ion:114 Resp: 229507
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.452 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion:113 Resp: 75340
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 15.9 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX039174.D

Acq: 12 Dec 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

PB157647TB

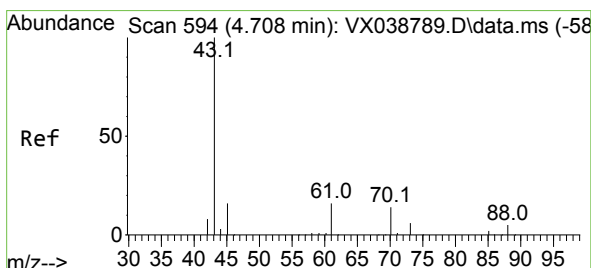
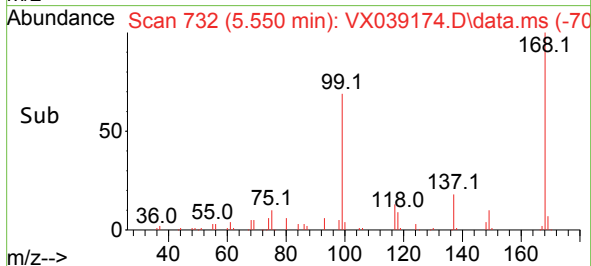
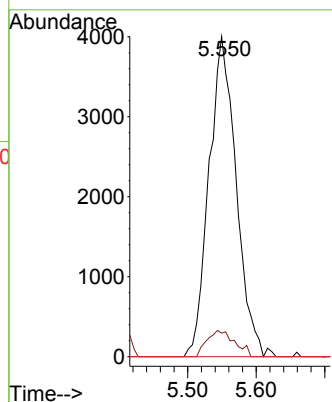
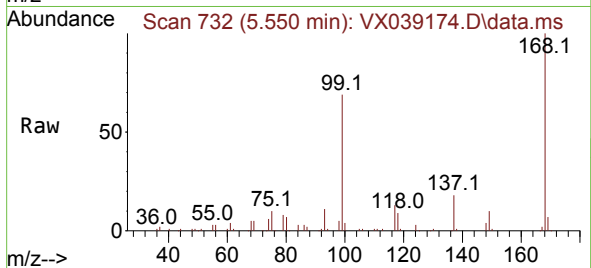
Tgt Ion: 75 Resp: 11048

Ion Ratio Lower Upper

75 100

110 8.3 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.902 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX039174.D

Acq: 12 Dec 2023 18:28

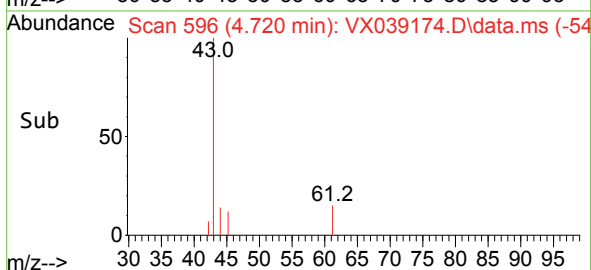
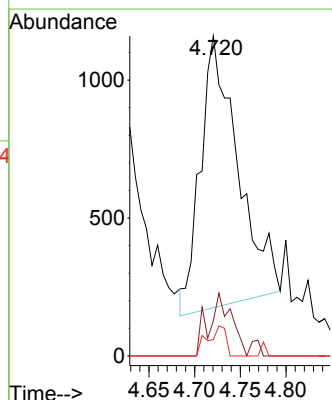
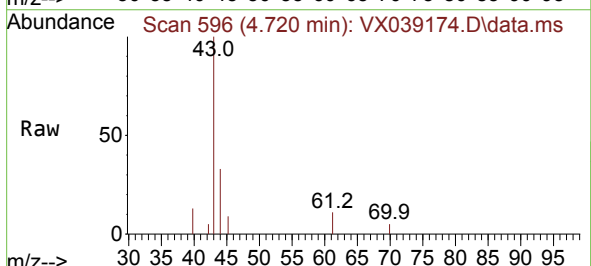
Tgt Ion: 43 Resp: 2791

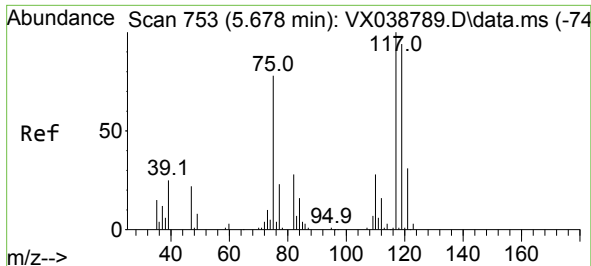
Ion Ratio Lower Upper

43 100

61 14.1 10.6 16.0

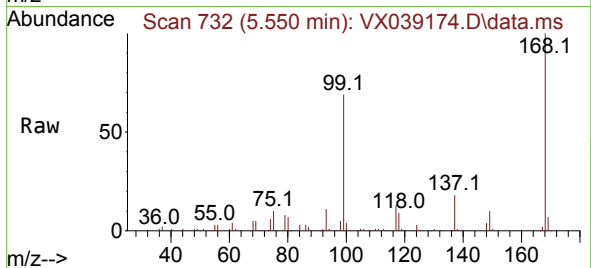
70 5.2 8.3 12.5#



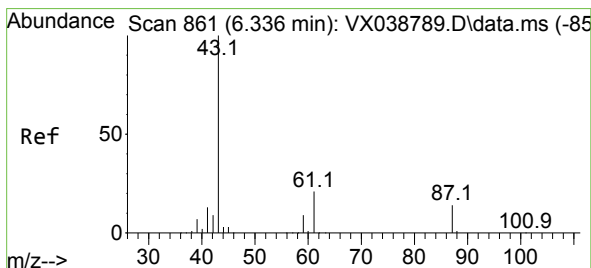
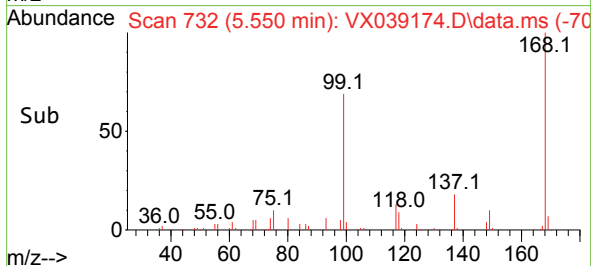
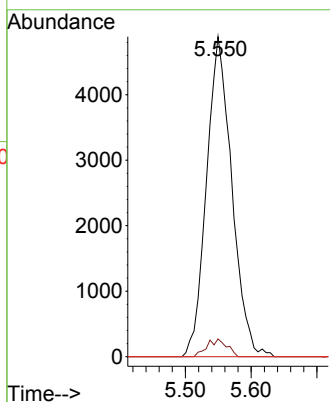


#38
Carbon Tetrachloride
Concen: 5.961 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Instrument :
MSVOA_X
ClientSampleId :
PB157647TB

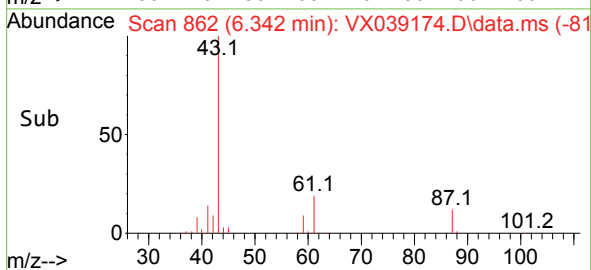
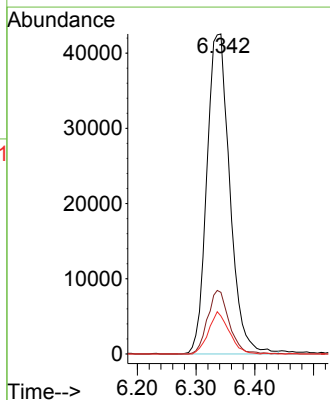
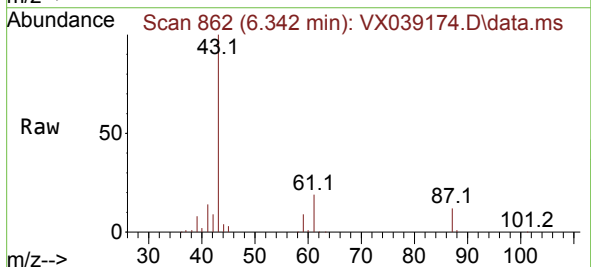


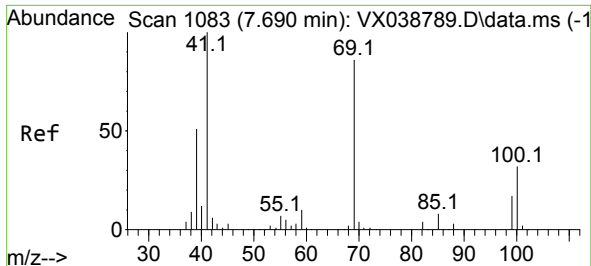
Tgt Ion:117 Resp: 13089
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 23.336 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion: 43 Resp: 115428
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 11.8 9.8 14.6

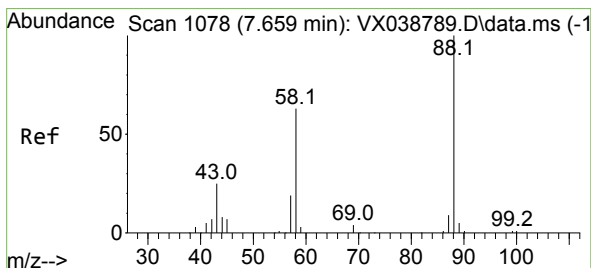
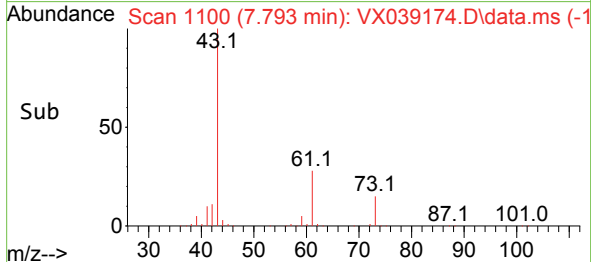
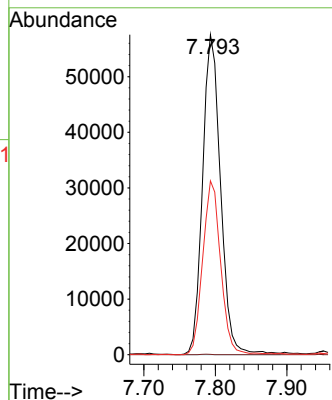
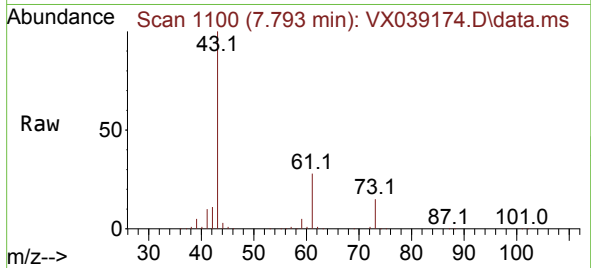




#48
Methyl methacrylate
Concen: 41.916 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

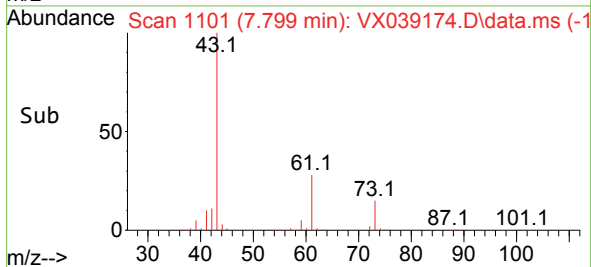
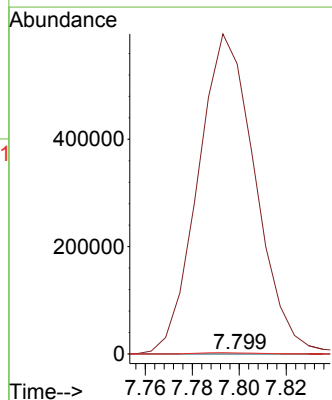
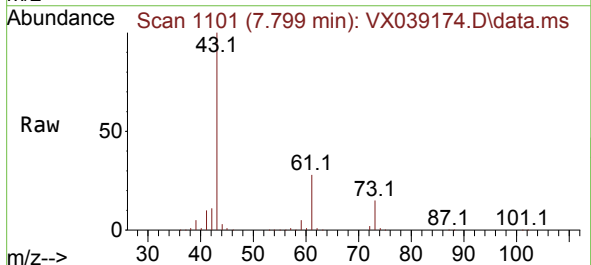
Instrument :
MSVOA_X
ClientSampleId :
PB157647TB

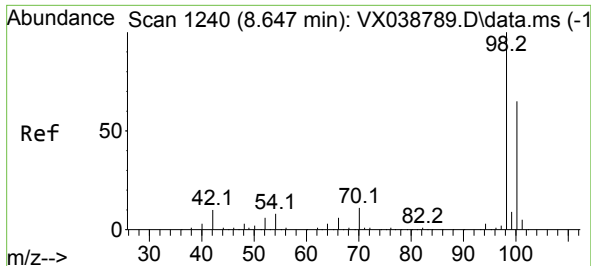
Tgt Ion: 41 Resp: 100598
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.1 47.7 71.5



#49
1,4-Dioxane
Concen: 3.144 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion: 88 Resp: 146
Ion Ratio Lower Upper
88 100
43 702932.9 0.0 0.0#
58 2888.4 60.1 90.1#

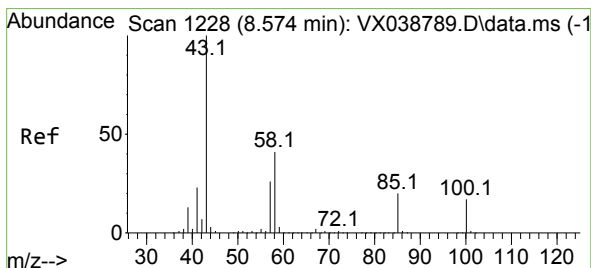
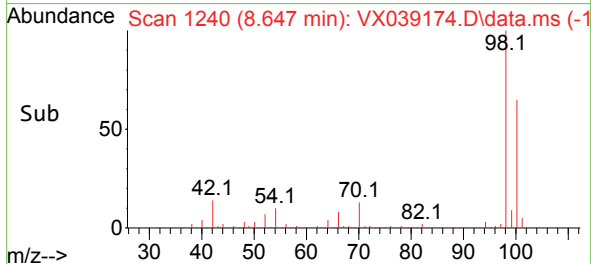
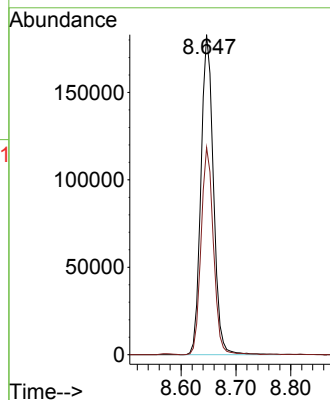
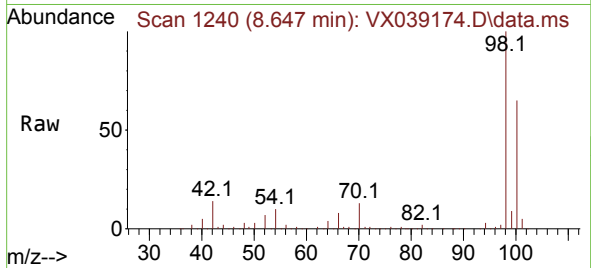




#50
Toluene-d8
Concen: 45.720 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

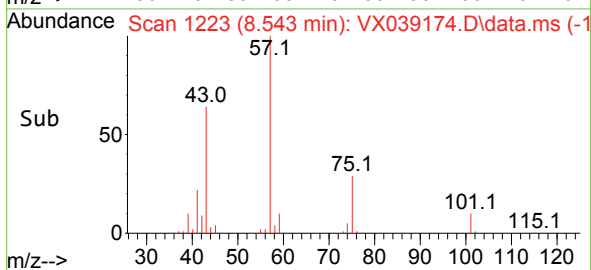
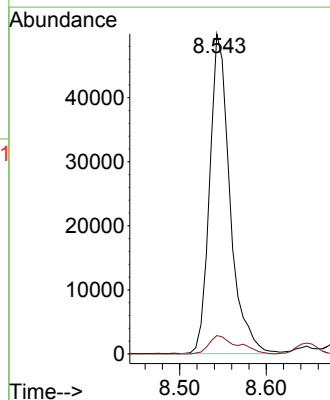
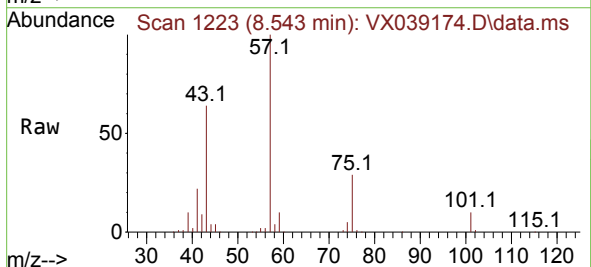
Instrument :
MSVOA_X
ClientSampleId :
PB157647TB

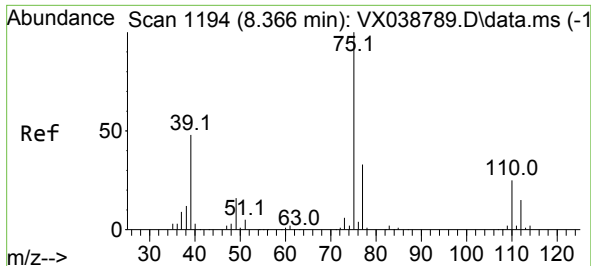
Tgt Ion: 98 Resp: 289949
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 25.704 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion: 43 Resp: 81253
Ion Ratio Lower Upper
43 100
58 8.1 30.4 45.6#

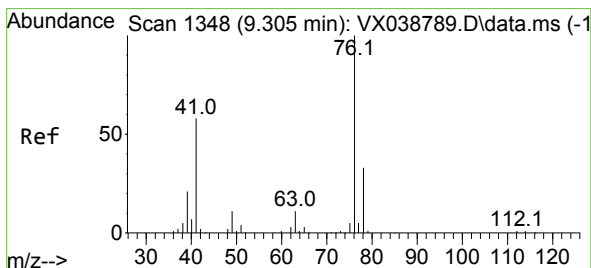
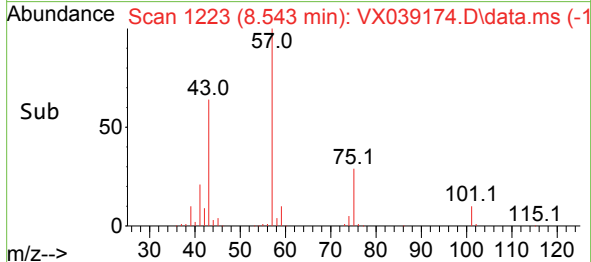
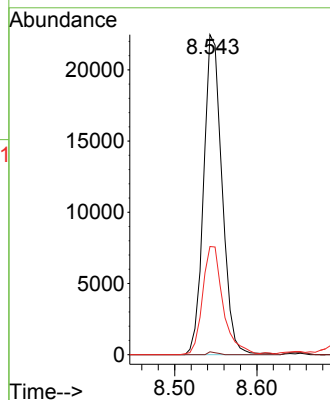
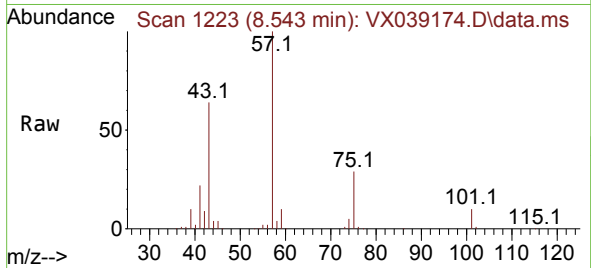




#54
cis-1,3-Dichloropropene
Concen: 11.345 ug/l
RT: 8.543 min Scan# 1194
Delta R.T. 0.177 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

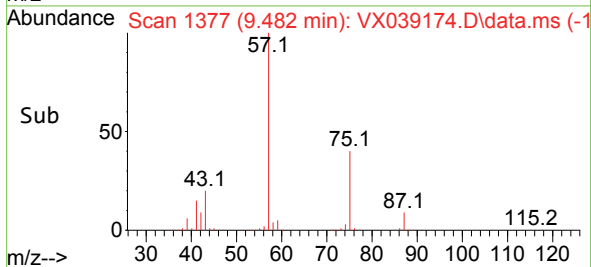
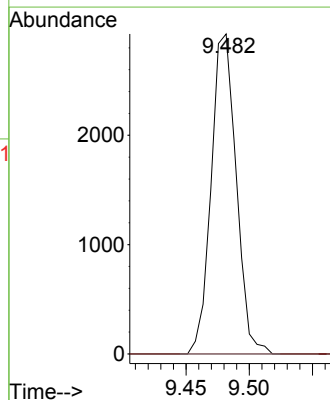
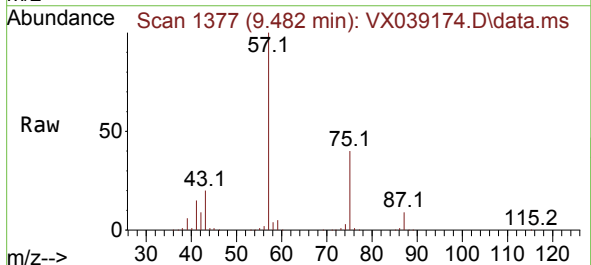
Instrument :
MSVOA_X
ClientSampleId :
PB157647TB

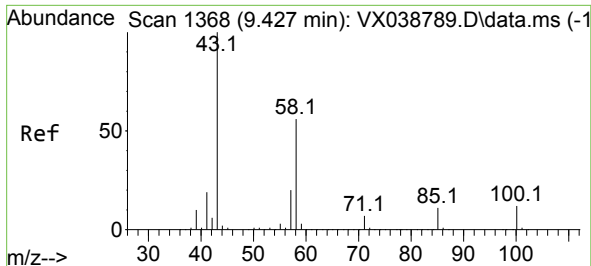
Tgt Ion: 75 Resp: 34853
Ion Ratio Lower Upper
75 100
77 0.9 25.3 37.9#
39 33.8 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.340 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion: 76 Resp: 4032
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 5.734 ug/l

RT: 9.433 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039174.D

Acq: 12 Dec 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

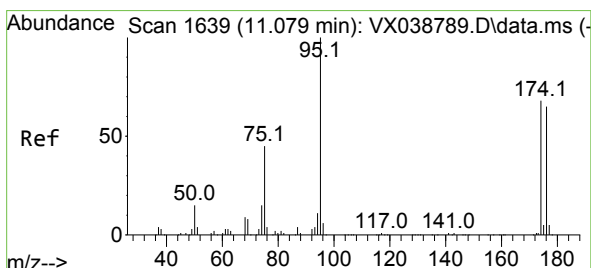
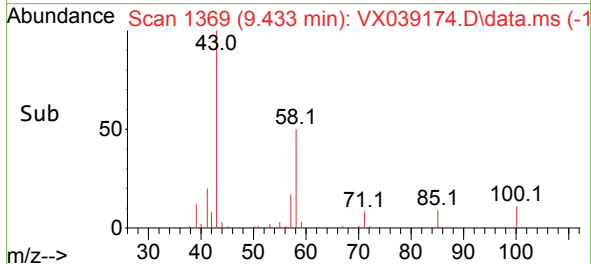
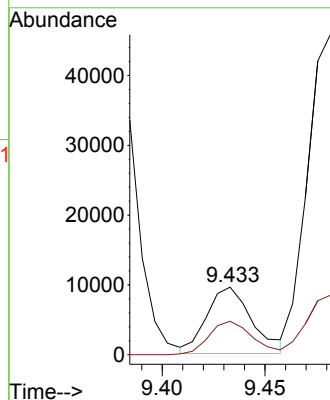
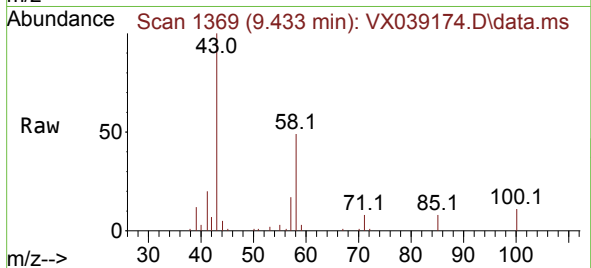
PB157647TB

Tgt Ion: 43 Resp: 14527

Ion Ratio Lower Upper

43 100

58 48.8 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 52.105 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX039174.D

Acq: 12 Dec 2023 18:28

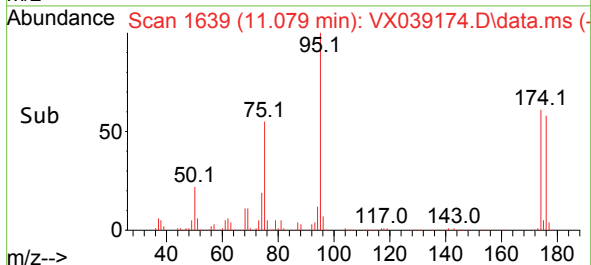
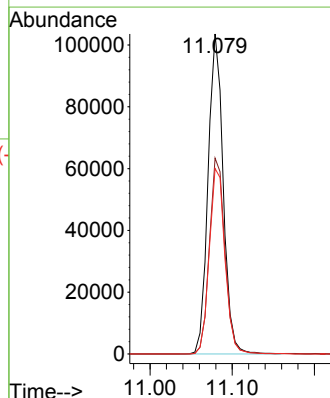
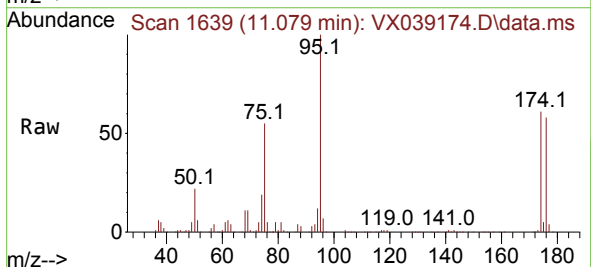
Tgt Ion: 95 Resp: 132280

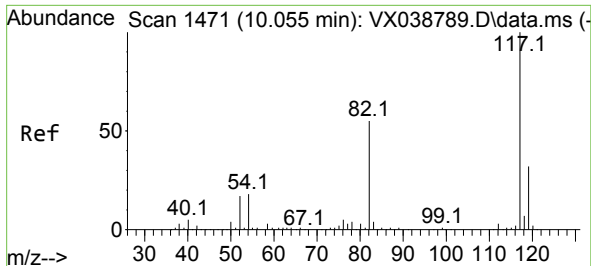
Ion Ratio Lower Upper

95 100

174 63.0 0.0 135.6

176 60.1 0.0 131.0

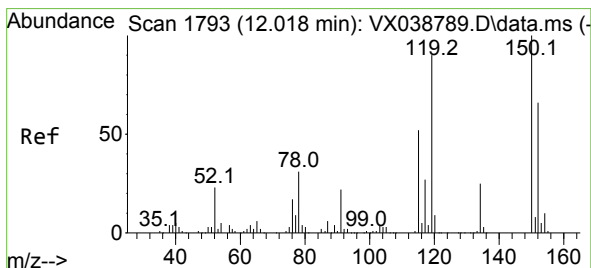
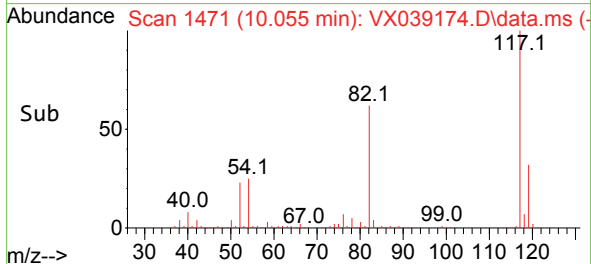
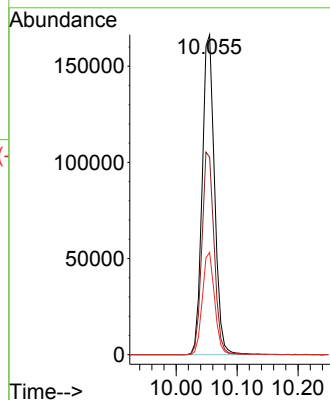
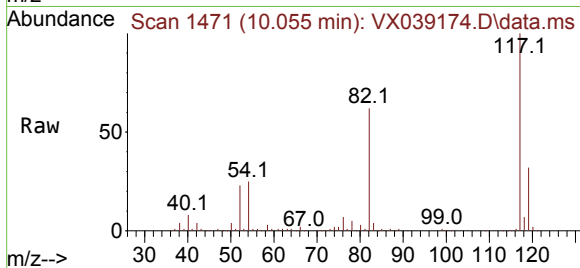




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

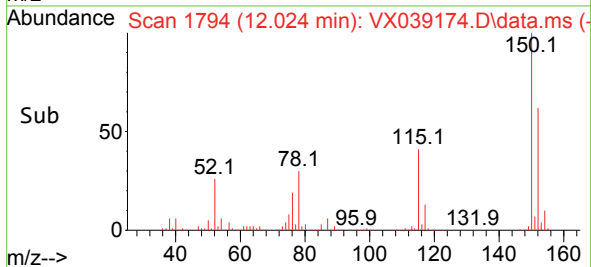
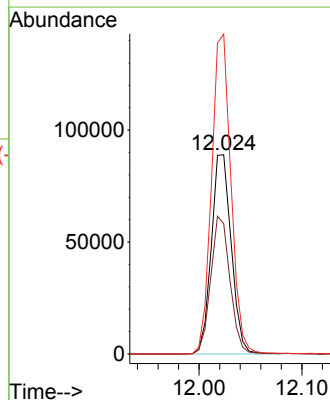
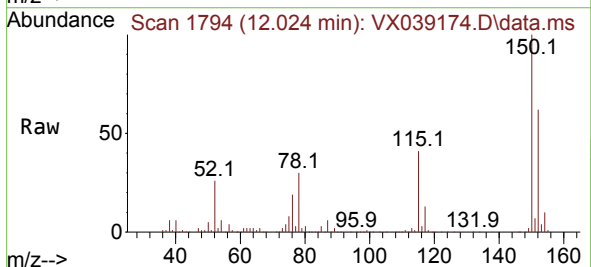
Instrument :
MSVOA_X
ClientSampleId :
PB157647TB

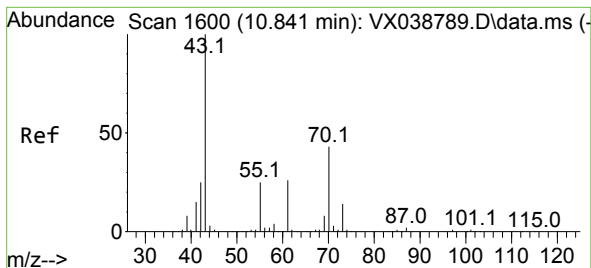
Tgt Ion:117 Resp: 234922
Ion Ratio Lower Upper
117 100
82 61.7 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039174.D
Acq: 12 Dec 2023 18:28

Tgt Ion:152 Resp: 119976
Ion Ratio Lower Upper
152 100
115 66.9 43.3 129.9
150 156.6 0.0 345.0





#74

N-amy1 acetate

Concen: 0.868 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX039174.D

Acq: 12 Dec 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

PB157647TB

Tgt Ion: 43 Resp: 4290

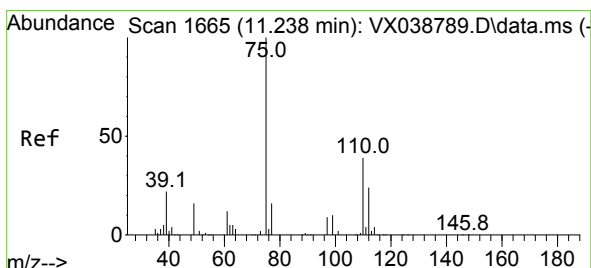
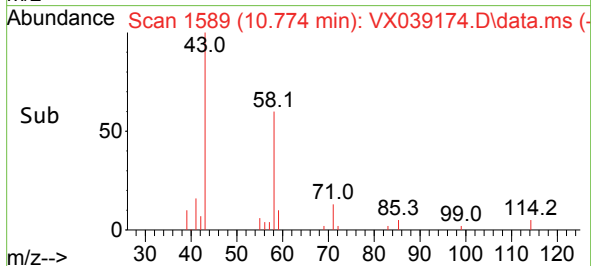
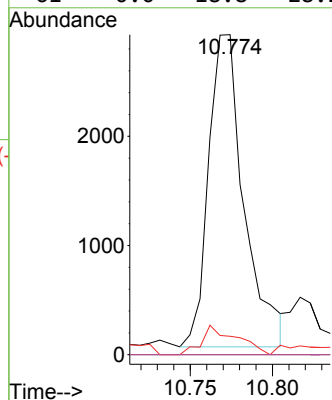
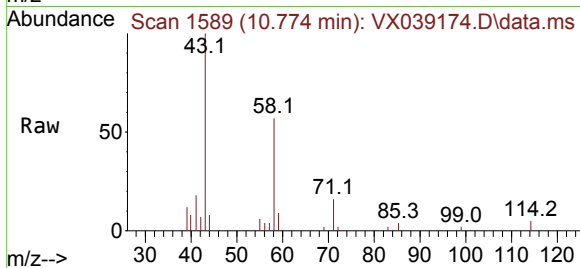
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 9.3 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.543 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039174.D

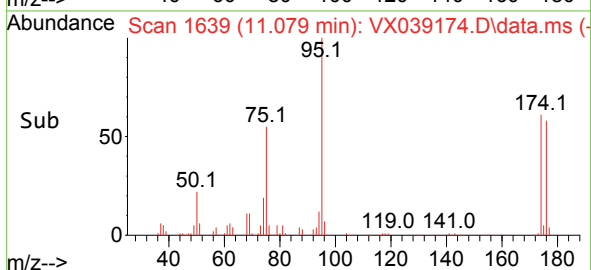
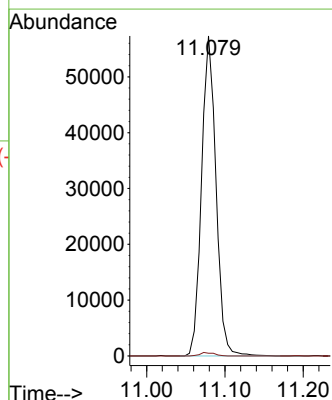
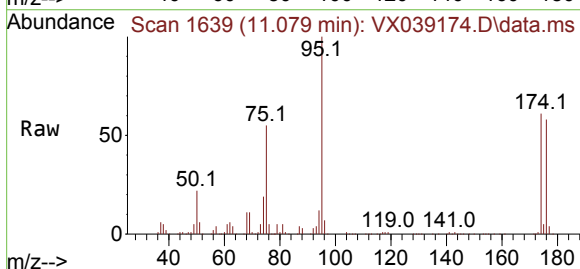
Acq: 12 Dec 2023 18:28

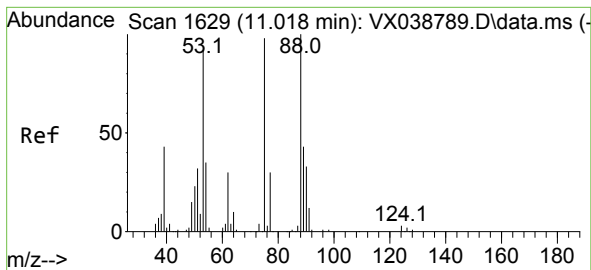
Tgt Ion: 75 Resp: 73468

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.440 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039174.D
 Acq: 12 Dec 2023 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PB157647TB

Tgt Ion: 75 Resp: 73468
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

