

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038752.D
 Acq On : 11 Nov 2023 02:28
 Operator : JC/MD
 Sample : PB157051TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB157051TB

Quant Time: Nov 11 05:07:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

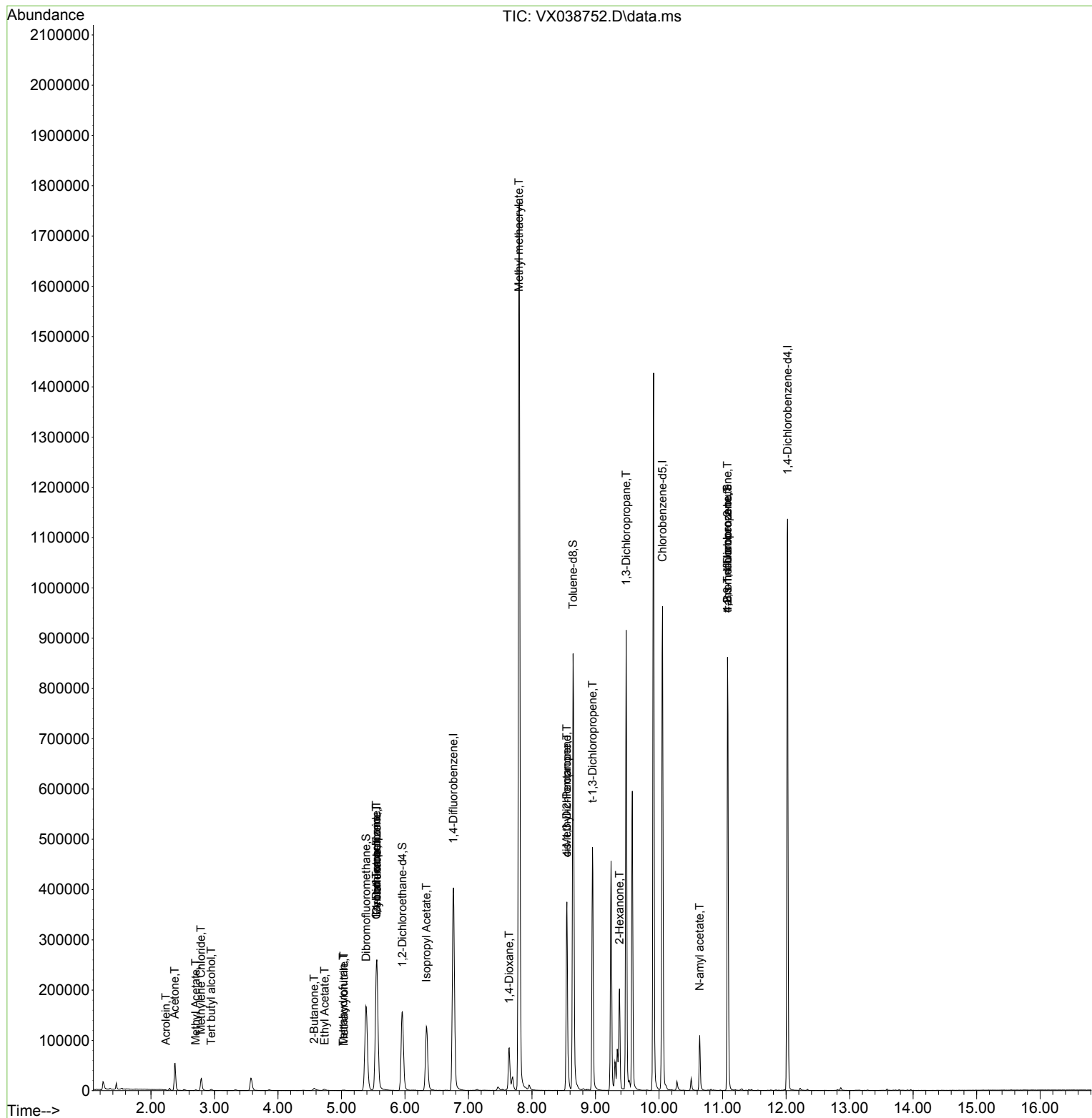
Internal Standards						
1) Pentafluorobenzene	5.556	168	273909	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	463084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	479230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	265796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158818	46.573	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.140%		
35) Dibromofluoromethane	5.385	113	151482	45.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.840%		
50) Toluene-d8	8.647	98	549639	46.053	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.100%		
62) 4-Bromofluorobenzene	11.079	95	229683	49.636	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.280%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.946	59	2183	3.132	ug/l	# 91
13) Acrolein	2.233	56	148	0.280	ug/l	# 74
16) Acetone	2.373	43	58146	40.487	ug/l	93
18) Methyl Acetate	2.703	43	1838	0.300	ug/l	98
20) Methylene Chloride	2.788	84	12636	4.365	ug/l	# 79
25) 2-Butanone	4.568	43	6306	3.031	ug/l	99
29) Tetrahydrofuran	5.025	42	455	0.352	ug/l	# 48
31) Cyclohexane	5.556	56	4212	1.116	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	17060	4.118	ug/l	# 52
37) Ethyl Acetate	4.733	43	4326	1.023	ug/l	95
38) Carbon Tetrachloride	5.550	117	25687	5.546	ug/l	# 16
41) Methacrylonitrile	5.038	41	462	0.214	ug/l	# 33
43) Isopropyl Acetate	6.336	43	166328	25.577	ug/l	# 91
48) Methyl methacrylate	7.793	41	154284	49.229	ug/l	# 47
49) 1,4-Dioxane	7.641	88	45	0.631	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	123891	29.240	ug/l	# 54
53) t-1,3-Dichloropropene	8.951	75	1413	0.306	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	66773	13.694	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	8543	1.654	ug/l	# 42
59) 2-Hexanone	9.378	43	143226	41.777	ug/l	# 26
74) N-amyl acetate	10.640	43	23934	4.224	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	110528	20.997	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	110528	63.825	ug/l	# 5

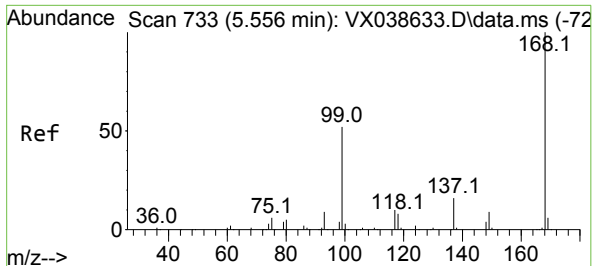
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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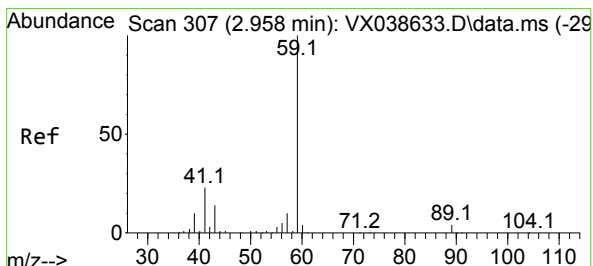
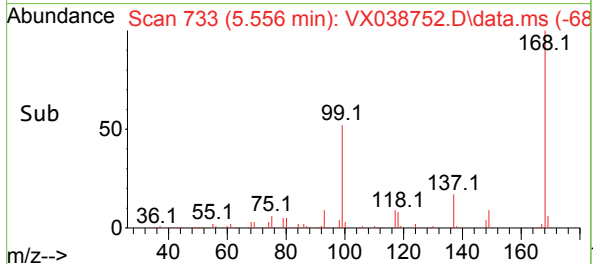
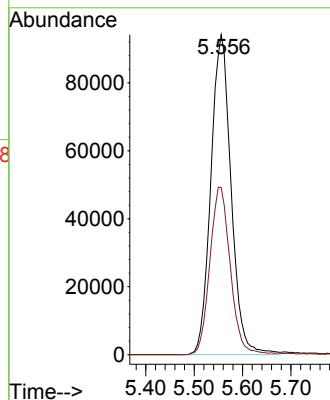
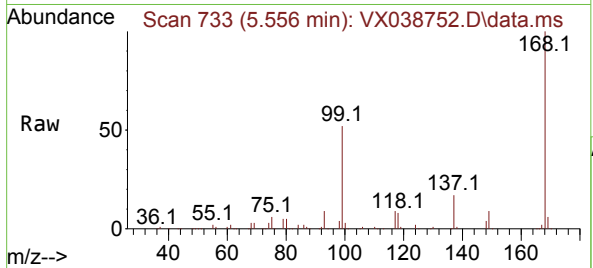




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

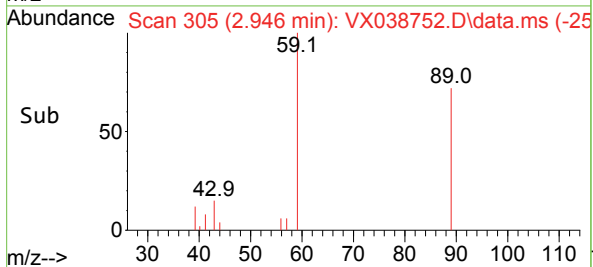
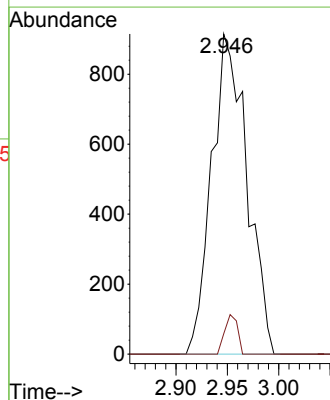
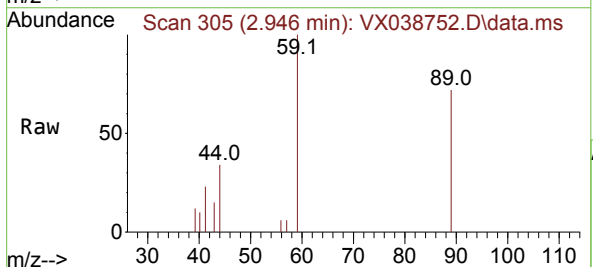
Instrument :
MSVOA_X
ClientSampleId :
PB157051TB

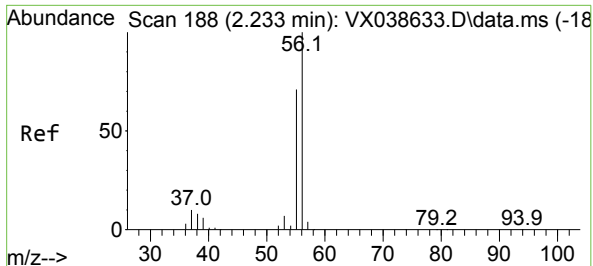
Tgt Ion:168 Resp: 273909
Ion Ratio Lower Upper
168 100
99 52.3 56.6 85.0#



#11
Tert butyl alcohol
Concen: 3.132 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 59 Resp: 2183
Ion Ratio Lower Upper
59 100
57 4.4 6.0 9.0#





#13

Acrolein

Concen: 0.280 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038752.D

Acq: 11 Nov 2023 02:28

Instrument :

MSVOA_X

ClientSampleId :

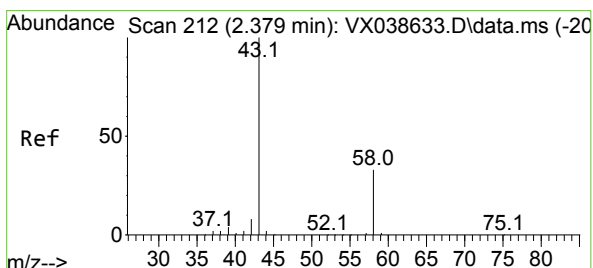
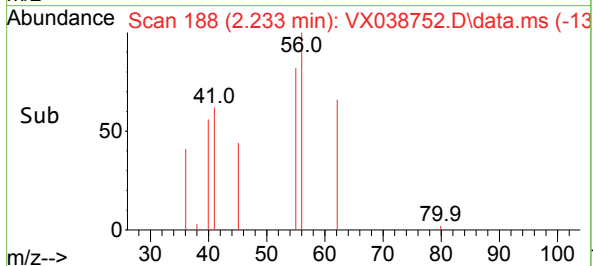
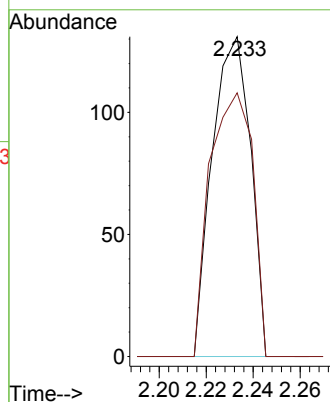
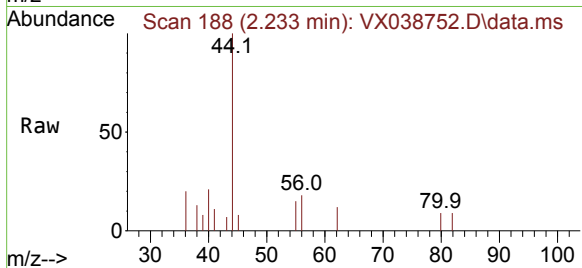
PB157051TB

Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 92.6 57.1 85.7#



#16

Acetone

Concen: 40.487 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX038752.D

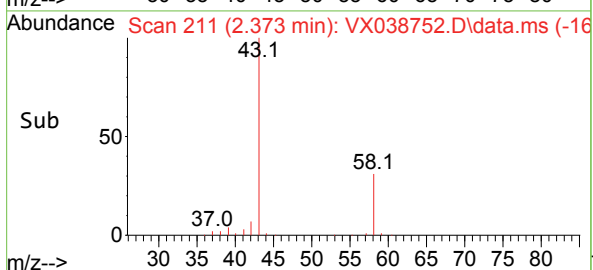
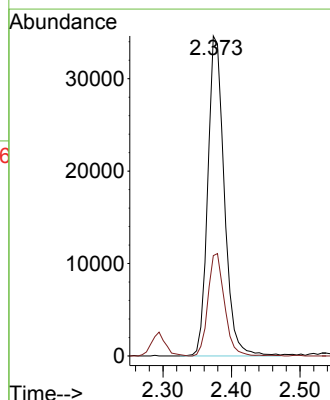
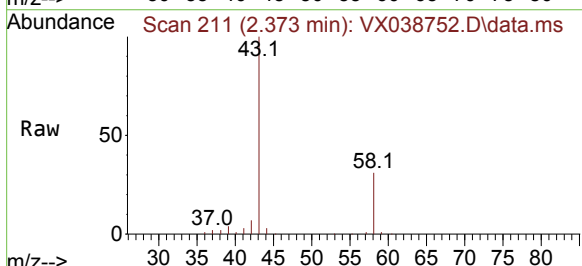
Acq: 11 Nov 2023 02:28

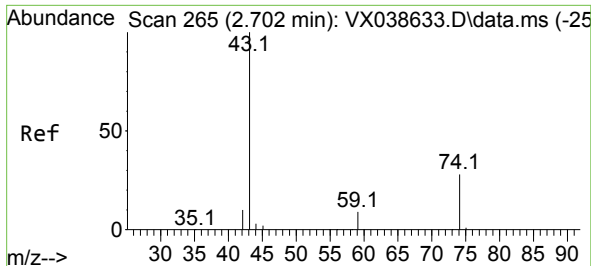
Tgt Ion: 43 Resp: 58146

Ion Ratio Lower Upper

43 100

58 31.2 21.9 32.9

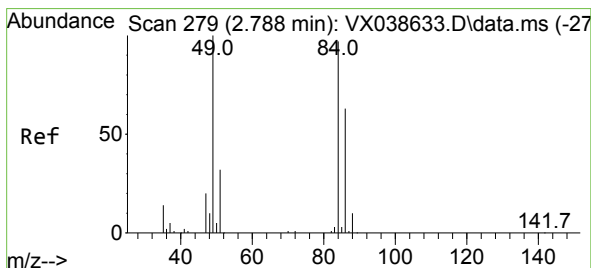
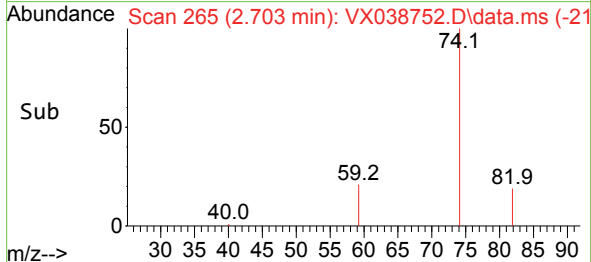
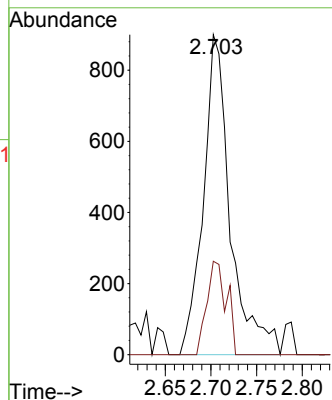
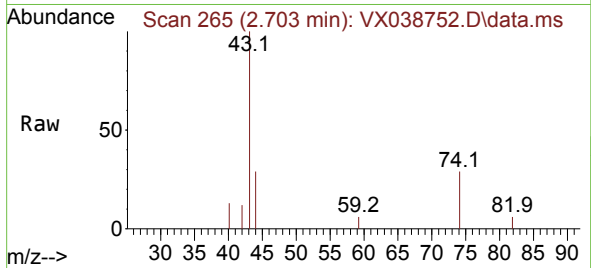




#18
Methyl Acetate
Concen: 0.300 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

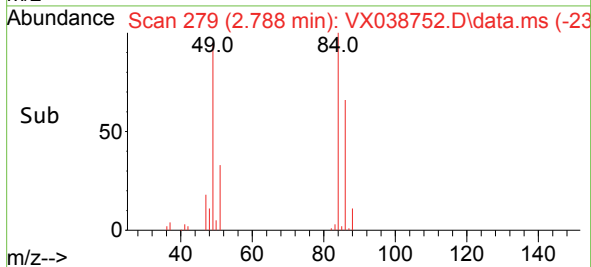
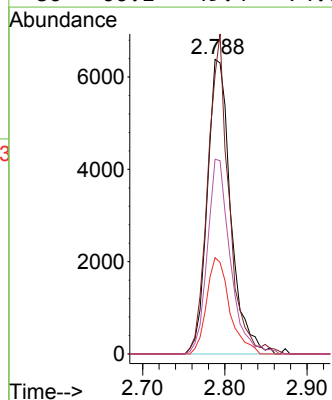
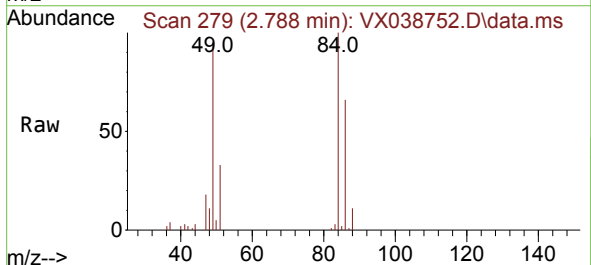
Instrument :
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ClientSampleId :
PB157051TB

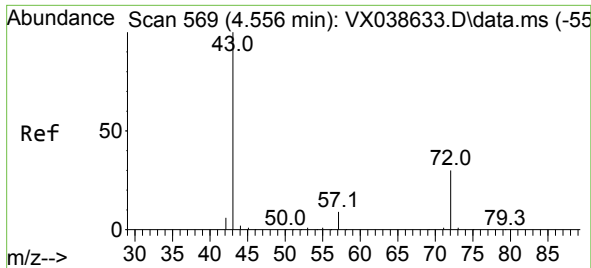
Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
74 21.3 17.8 26.8



#20
Methylene Chloride
Concen: 4.365 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 84 Resp: 12636
Ion Ratio Lower Upper
84 100
49 94.7 103.6 155.4#
51 32.7 33.8 50.6#
86 66.1 49.4 74.0

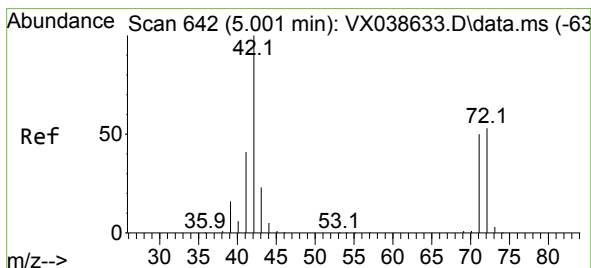
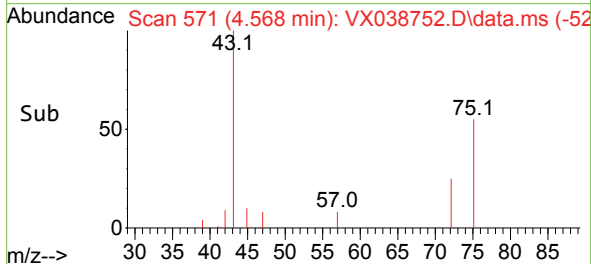
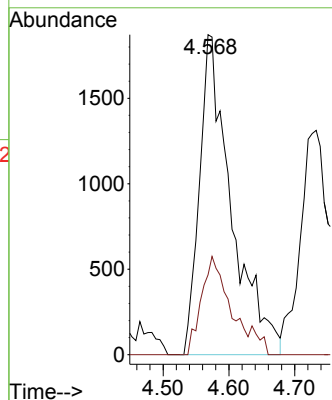
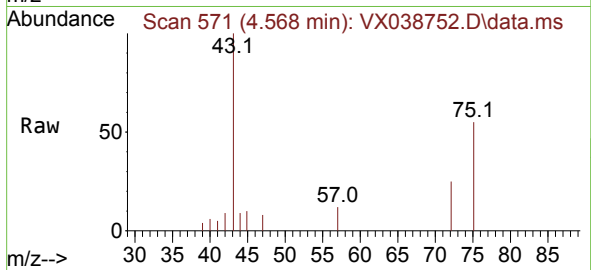




#25
2-Butanone
Concen: 3.031 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

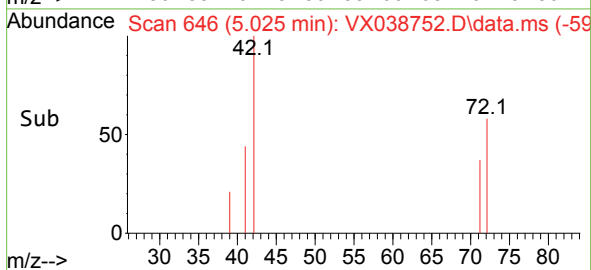
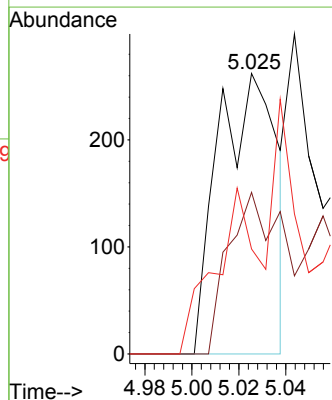
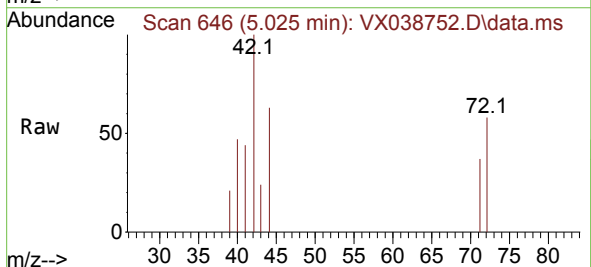
Instrument :
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ClientSampleId :
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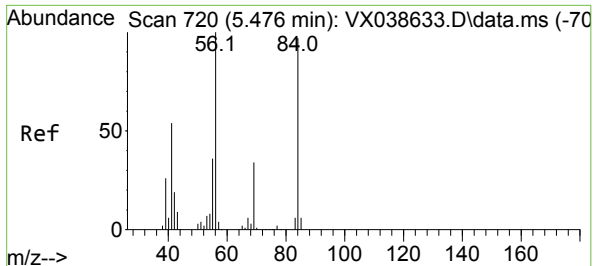
Tgt Ion: 43 Resp: 6306
Ion Ratio Lower Upper
43 100
72 24.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.352 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.025 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 42 Resp: 455
Ion Ratio Lower Upper
42 100
72 53.8 34.2 51.4#
71 95.8 32.2 48.2#

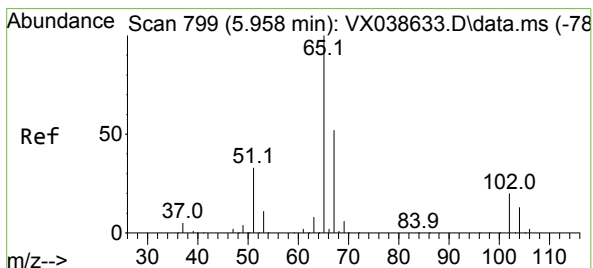
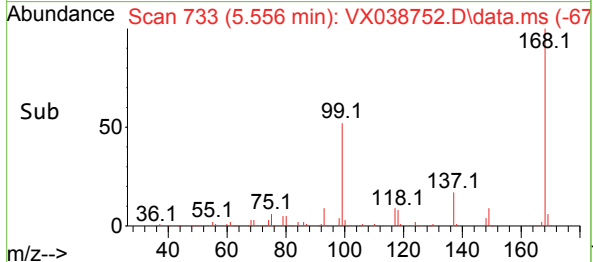
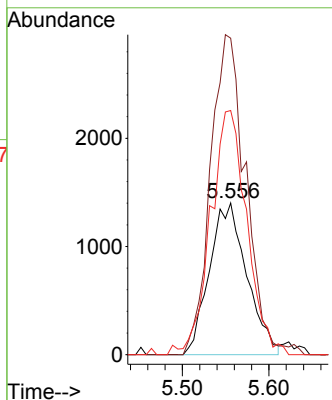
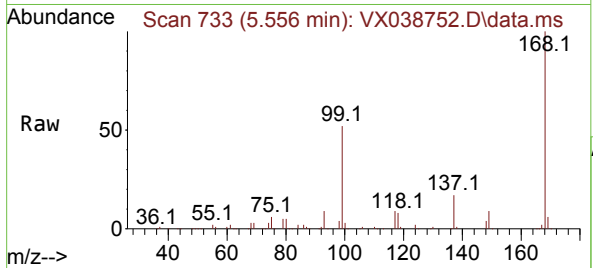




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

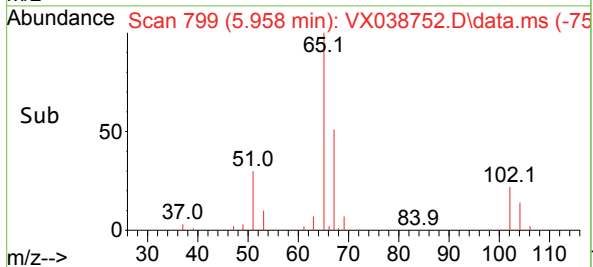
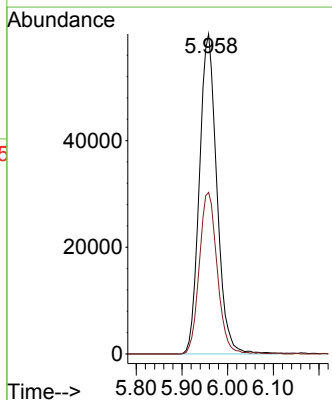
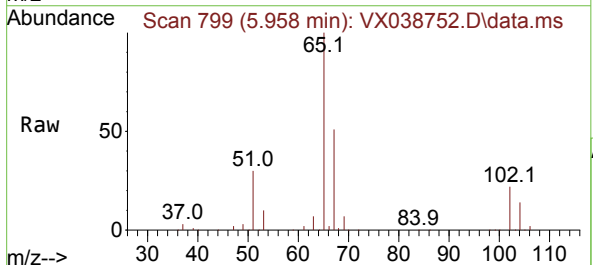
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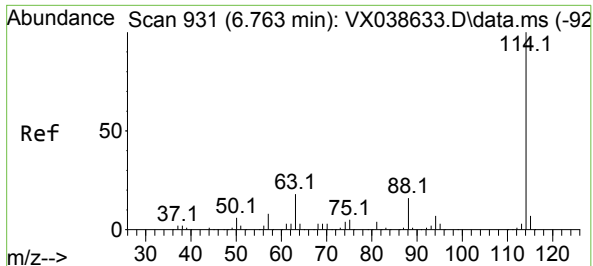
Tgt Ion: 56 Resp: 4212
Ion Ratio Lower Upper
56 100
69 208.7 23.4 35.2#
84 157.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.573 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 65 Resp: 158818
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

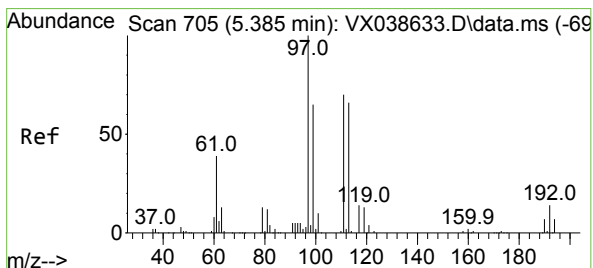
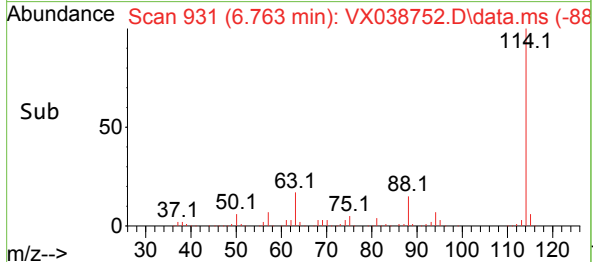
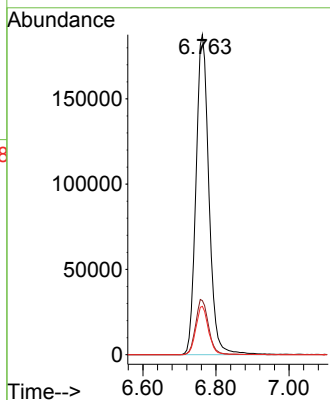
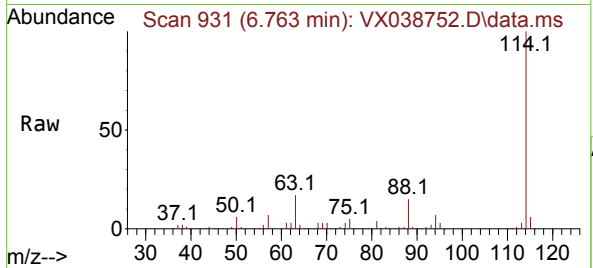




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

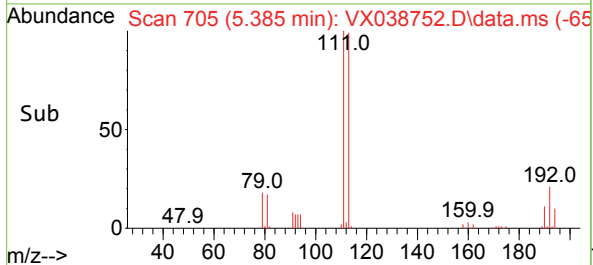
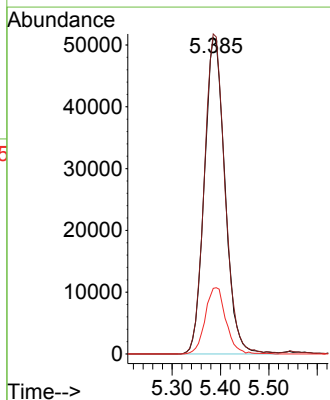
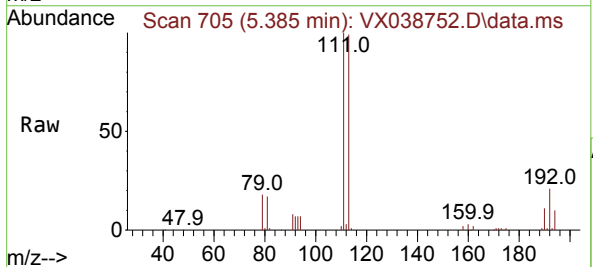
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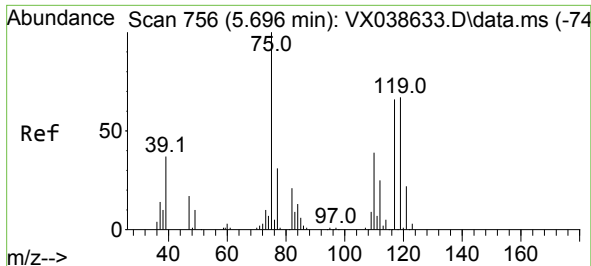
Tgt Ion:114 Resp: 463084
Ion Ratio Lower Upper
114 100
63 16.9 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.418 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion:113 Resp: 151482
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 21.1 13.3 19.9#

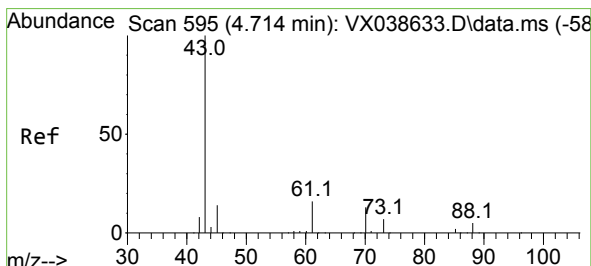
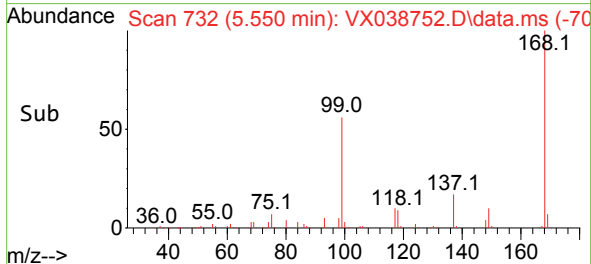
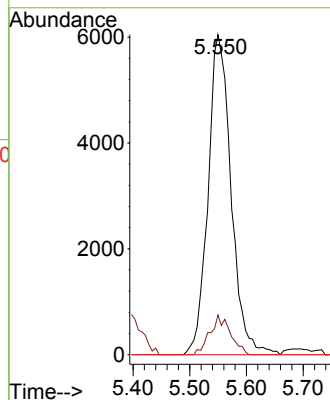
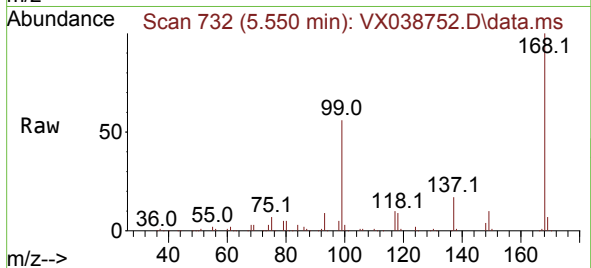




#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

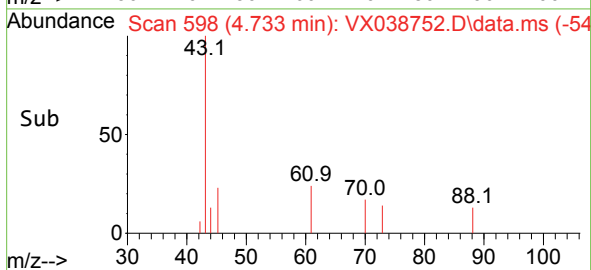
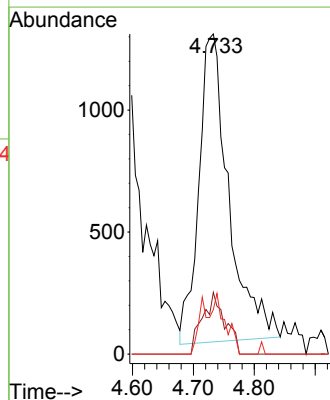
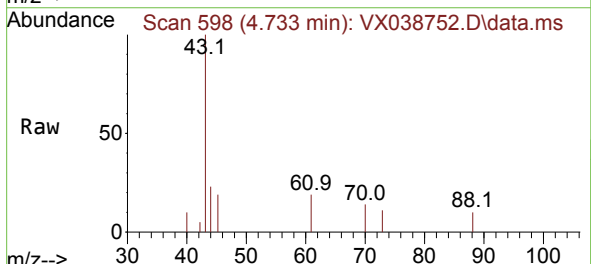
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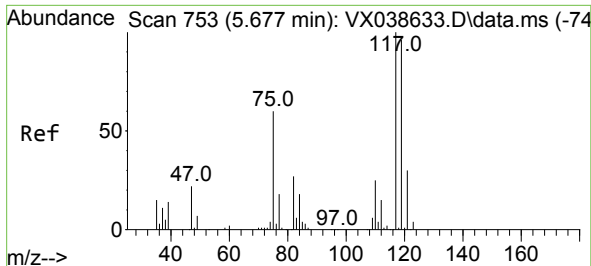
Tgt Ion: 75 Resp: 17060
Ion Ratio Lower Upper
75 100
110 11.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.023 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.019 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 43 Resp: 4326
Ion Ratio Lower Upper
43 100
61 15.0 10.6 16.0
70 8.4 8.3 12.5

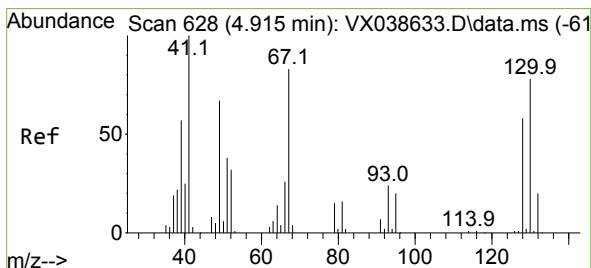
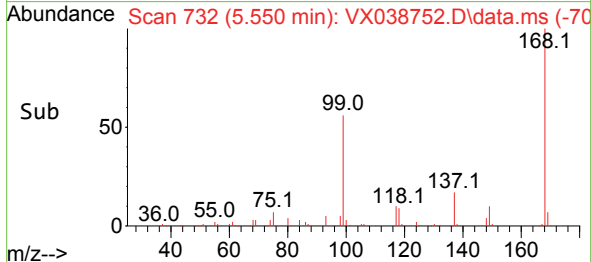
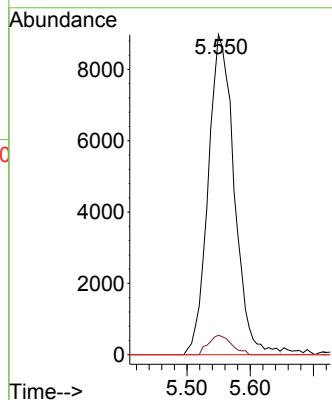
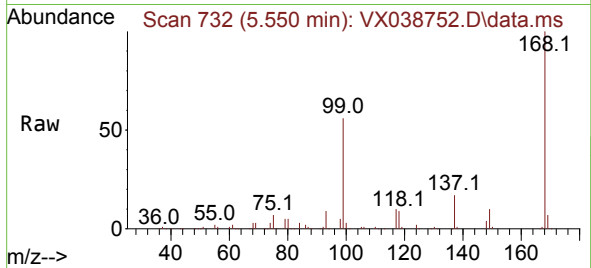




#38
Carbon Tetrachloride
Concen: 5.546 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

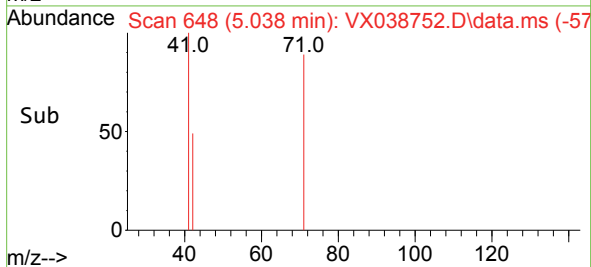
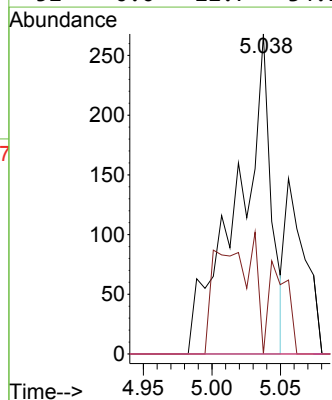
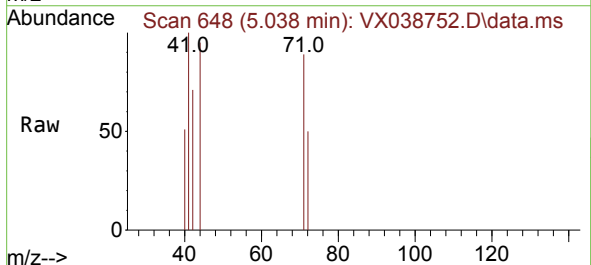
Instrument :
MSVOA_X
ClientSampleId :
PB157051TB

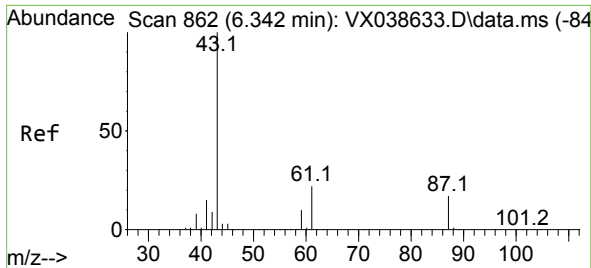
Tgt Ion:117 Resp: 25687
Ion Ratio Lower Upper
117 100
119 6.1 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.214 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.122 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 41 Resp: 462
Ion Ratio Lower Upper
41 100
39 15.6 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

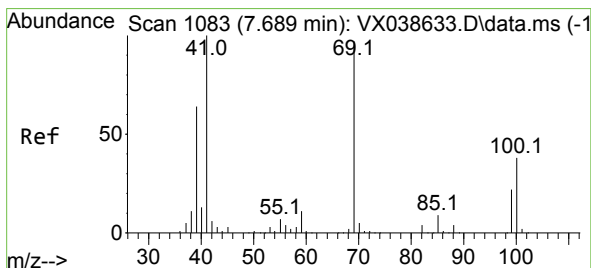
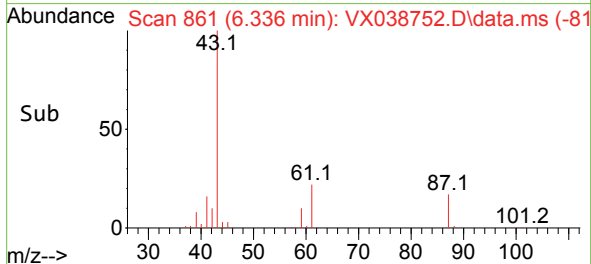
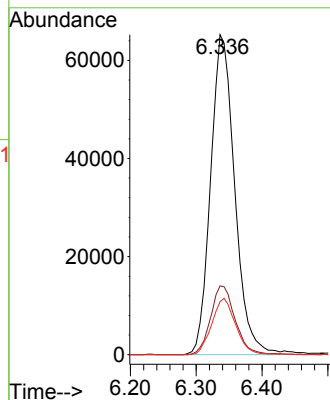
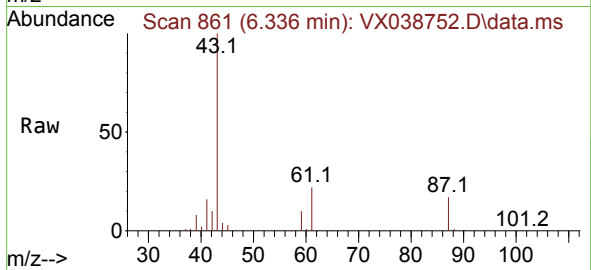




#43
Isopropyl Acetate
Concen: 25.577 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

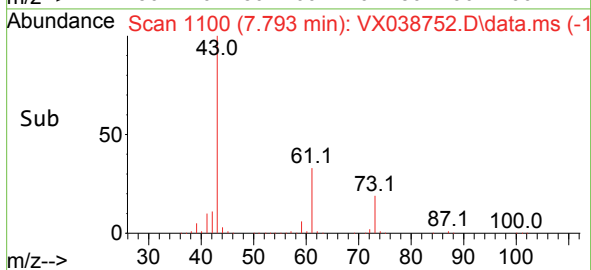
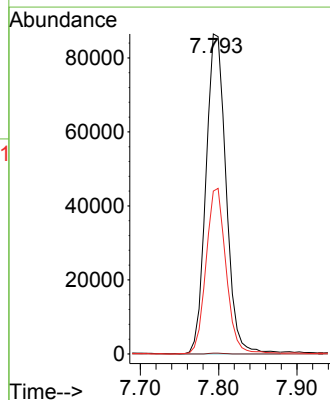
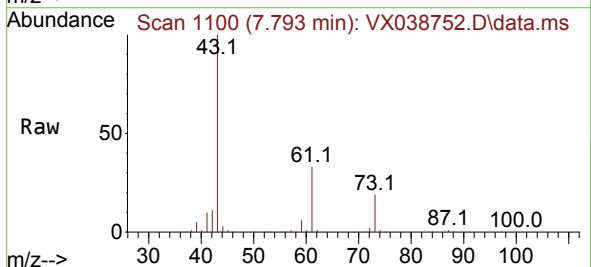
Instrument :
MSVOA_X
ClientSampleId :
PB157051TB

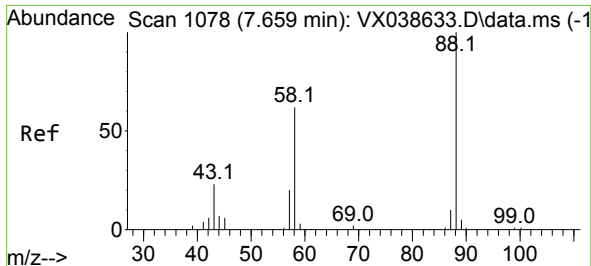
Tgt Ion: 43 Resp: 166328
Ion Ratio Lower Upper
43 100
61 22.0 15.2 22.8
87 17.6 9.8 14.6#



#48
Methyl methacrylate
Concen: 49.229 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 41 Resp: 154284
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 51.5 47.7 71.5

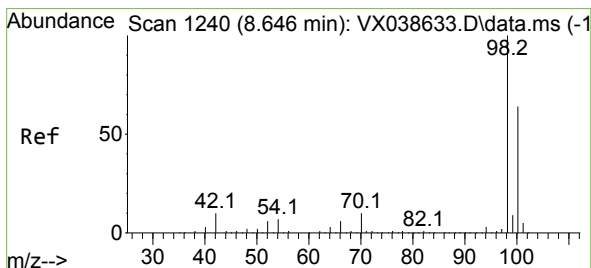
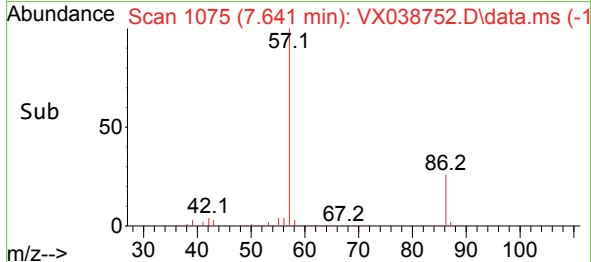
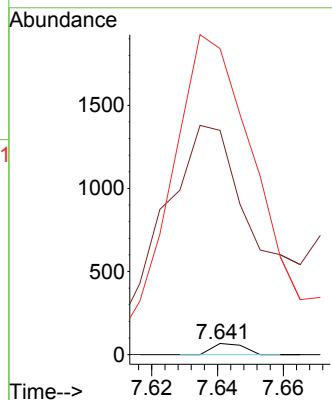
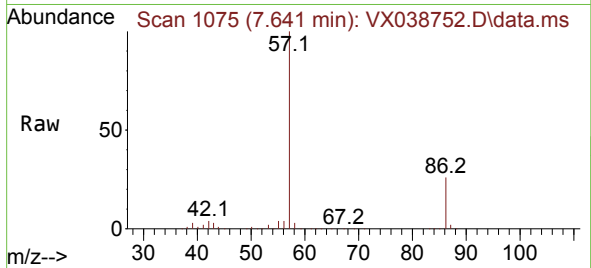




#49
1,4-Dioxane
Concen: 0.631 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.018 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

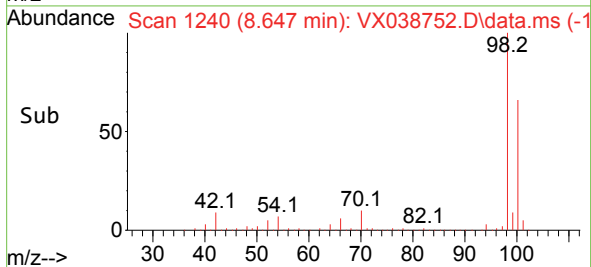
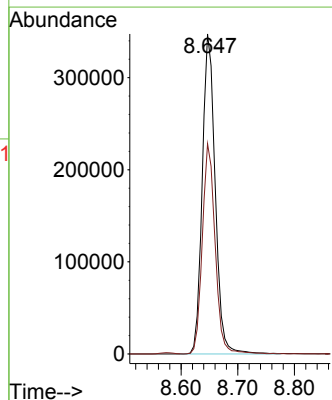
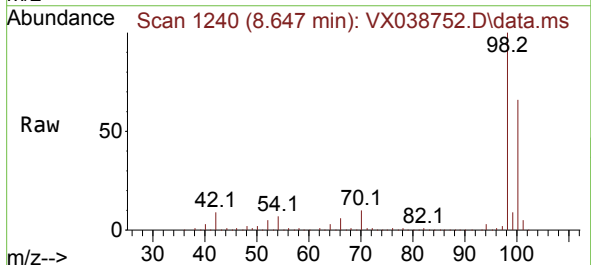
Instrument :
MSVOA_X
ClientSampleId :
PB157051TB

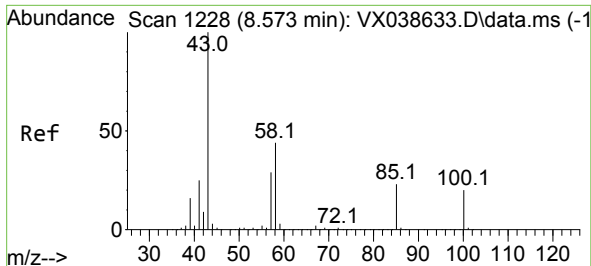
Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 8573.3 60.1 90.1#



#50
Toluene-d8
Concen: 46.053 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 98 Resp: 549639
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7

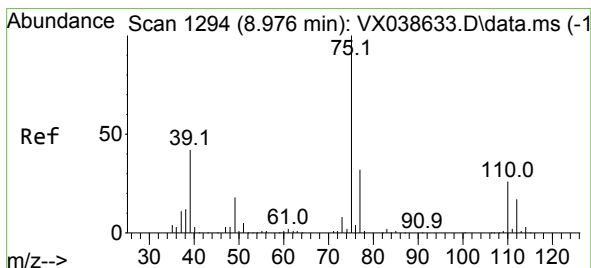
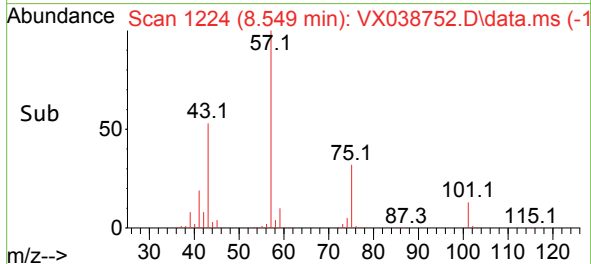
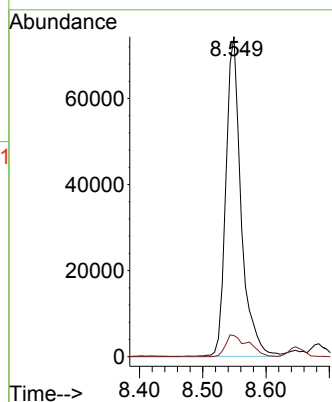
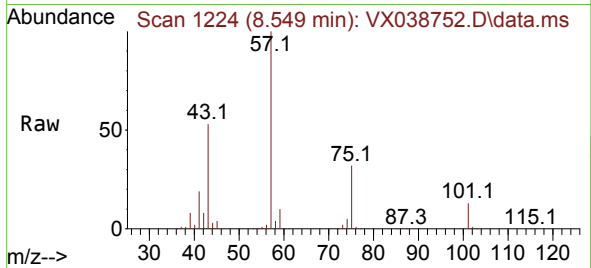




#51
4-Methyl-2-Pentanone
Concen: 29.240 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

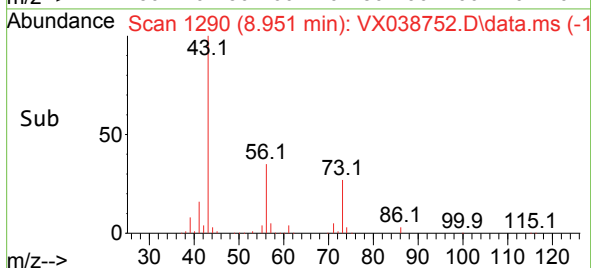
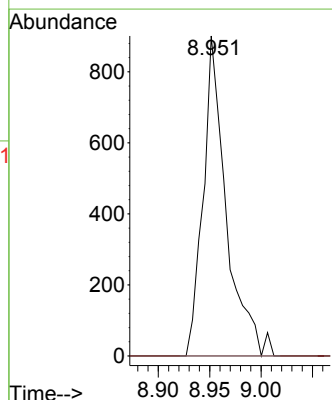
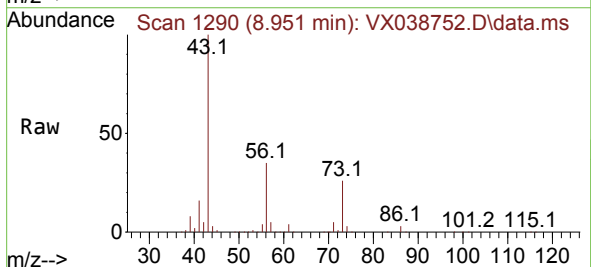
Instrument :
MSVOA_X
ClientSampleId :
PB157051TB

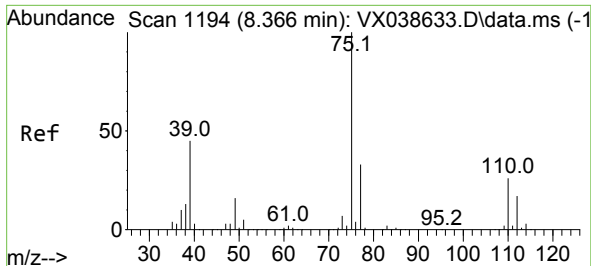
Tgt Ion: 43 Resp: 123891
Ion Ratio Lower Upper
43 100
58 10.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.306 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 75 Resp: 1413
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

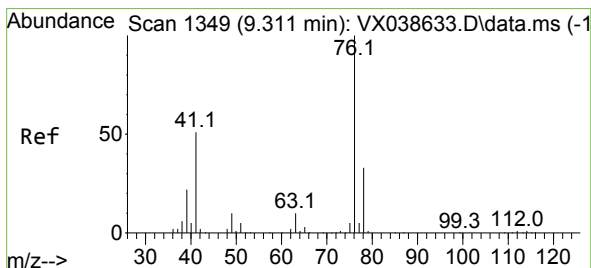
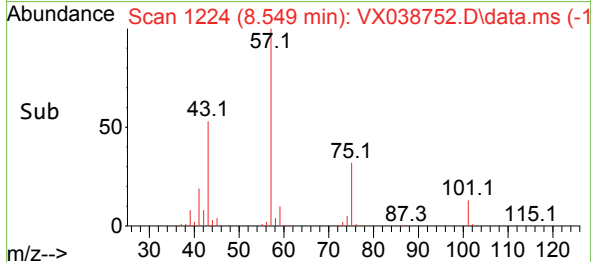
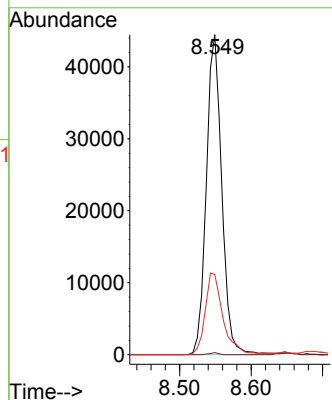
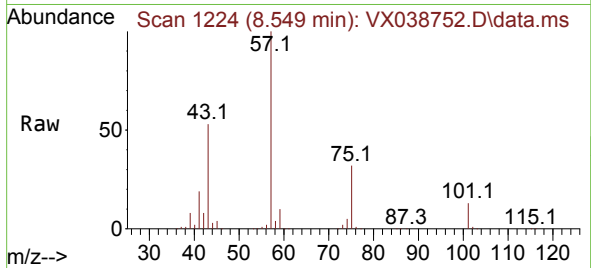




#54
 cis-1,3-Dichloropropene
 Concen: 13.694 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038752.D
 Acq: 11 Nov 2023 02:28

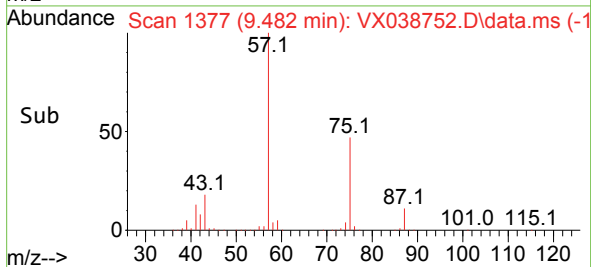
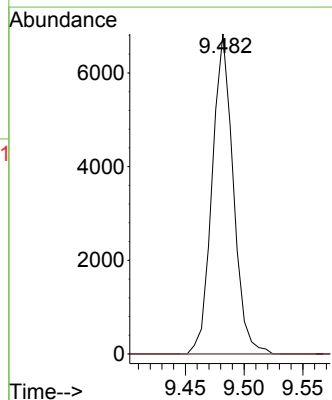
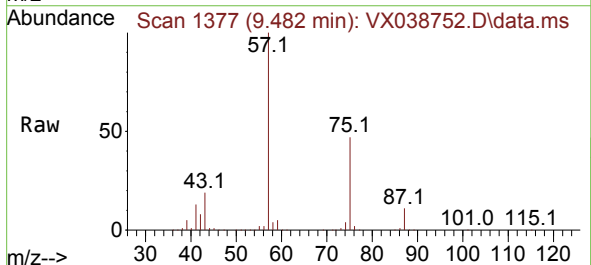
Instrument :
 MSVOA_X
 ClientSampleId :
 PB157051TB

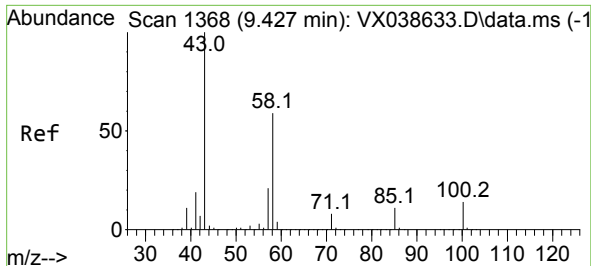
Tgt Ion: 75 Resp: 66773
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 25.1 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.654 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX038752.D
 Acq: 11 Nov 2023 02:28

Tgt Ion: 76 Resp: 8543
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

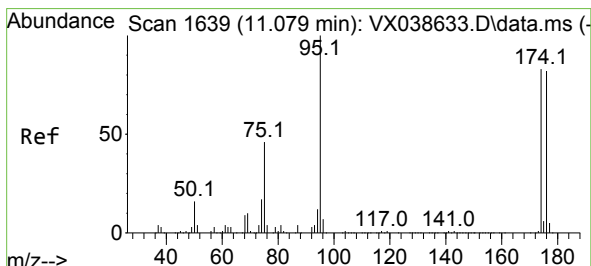
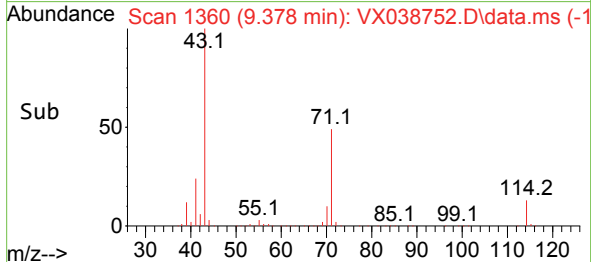
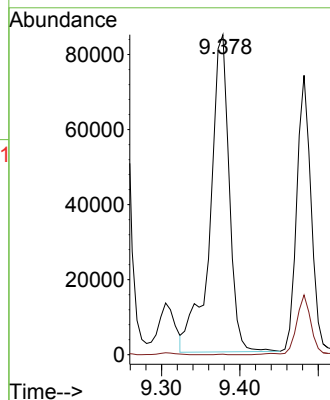
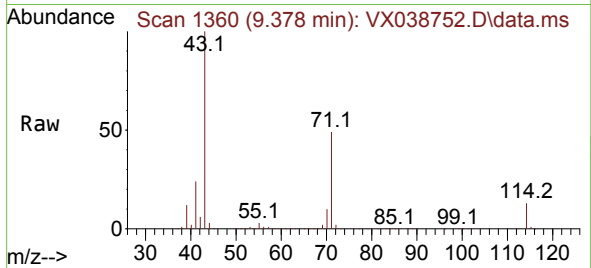




#59
2-Hexanone
Concen: 41.777 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

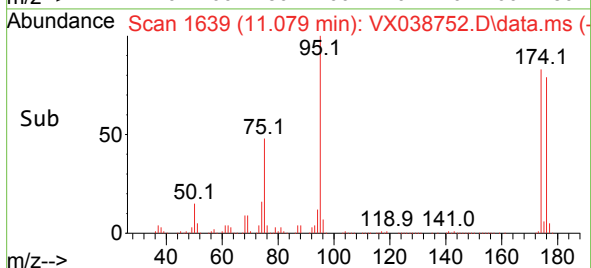
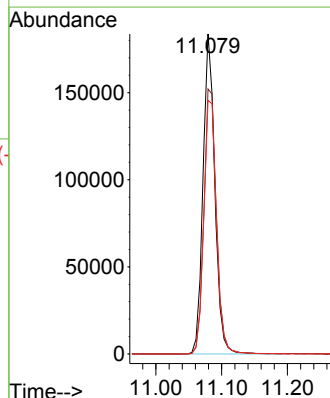
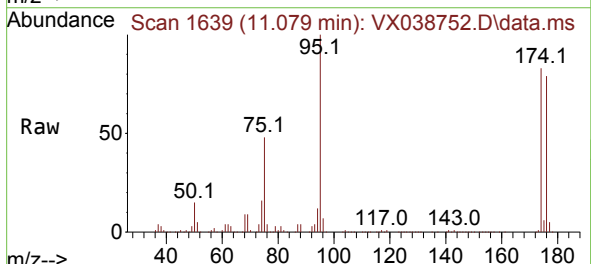
Instrument :
MSVOA_X
ClientSampleId :
PB157051TB

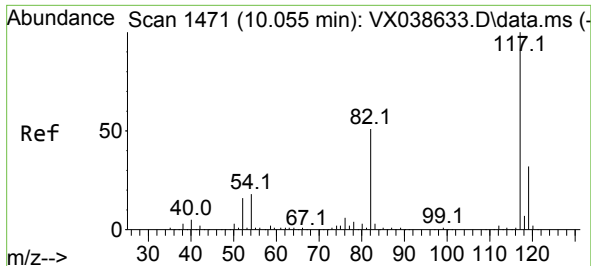
Tgt Ion: 43 Resp: 143226
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.636 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion: 95 Resp: 229683
Ion Ratio Lower Upper
95 100
174 88.3 0.0 135.6
176 85.3 0.0 131.0

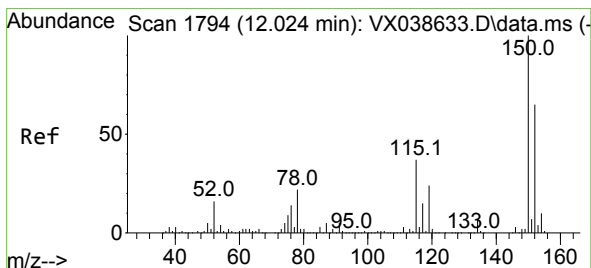
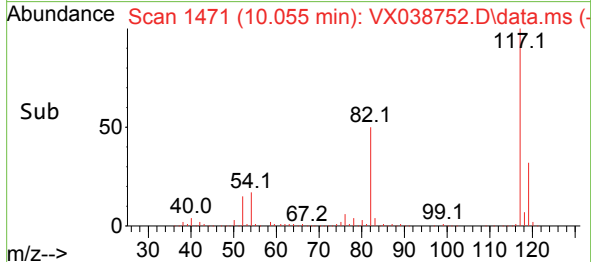
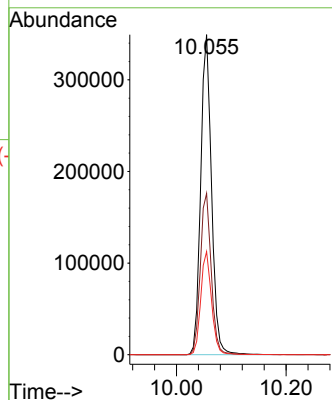
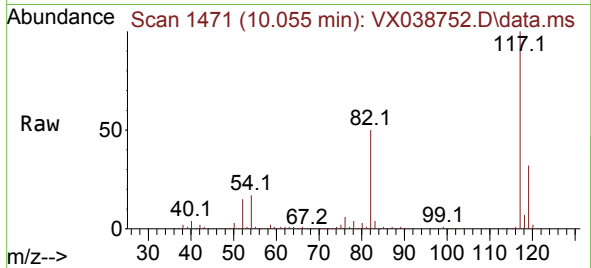




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

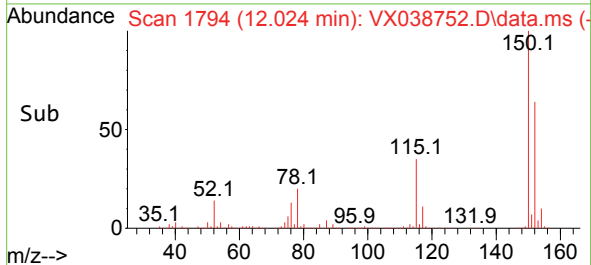
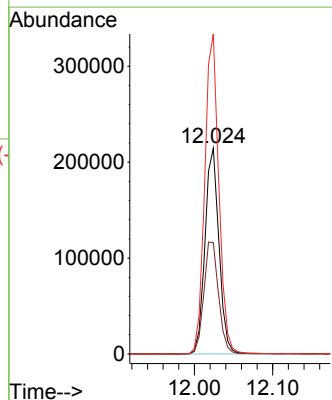
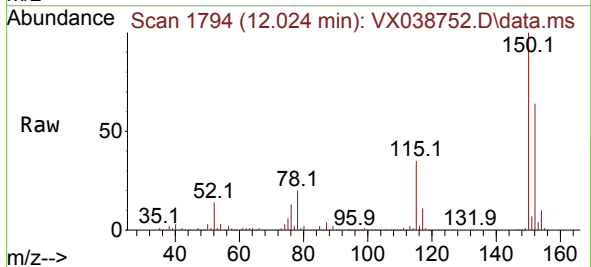
Instrument :
MSVOA_X
ClientSampleId :
PB157051TB

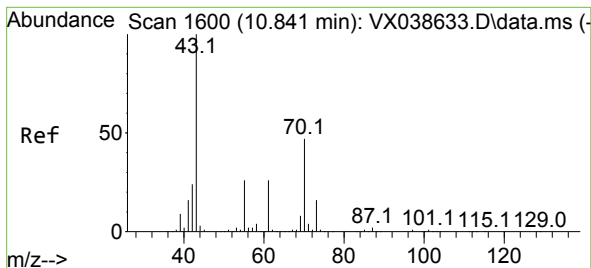
Tgt Ion:117 Resp: 479230
Ion Ratio Lower Upper
117 100
82 50.4 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038752.D
Acq: 11 Nov 2023 02:28

Tgt Ion:152 Resp: 265796
Ion Ratio Lower Upper
152 100
115 57.4 43.3 129.9
150 156.2 0.0 345.0





#74

N-amy1 acetate

Concen: 4.224 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX038752.D

Acq: 11 Nov 2023 02:28

Instrument :

MSVOA_X

ClientSampleId :

PB157051TB

Tgt Ion: 43 Resp: 23934

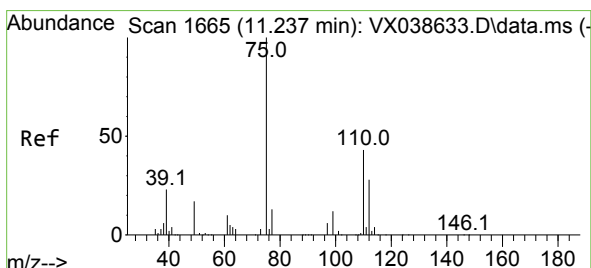
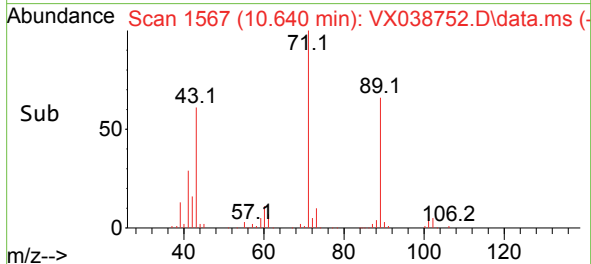
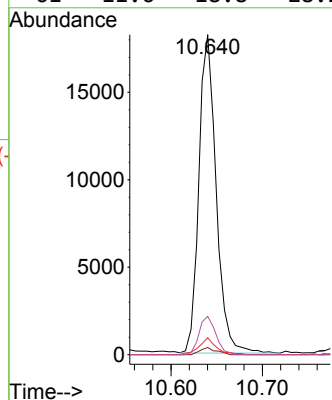
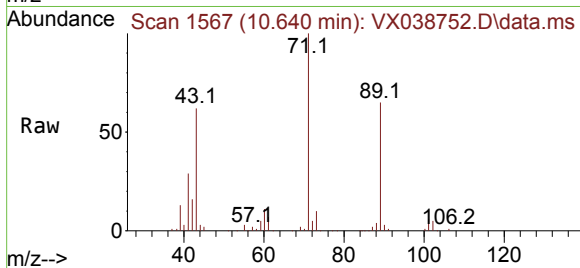
Ion Ratio Lower Upper

43 100

70 2.1 32.9 49.3#

55 5.3 19.3 28.9#

61 11.6 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 20.997 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038752.D

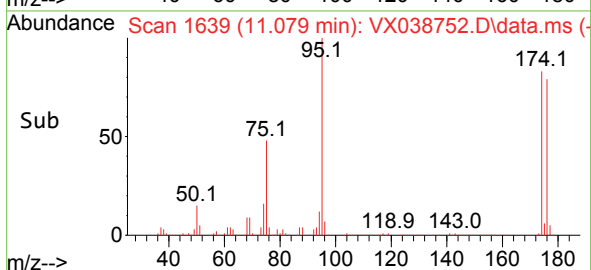
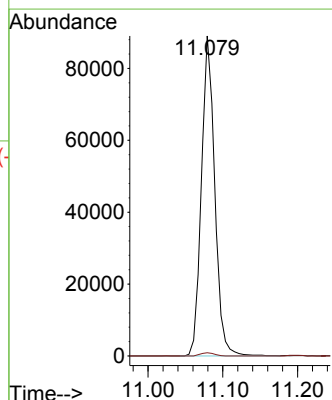
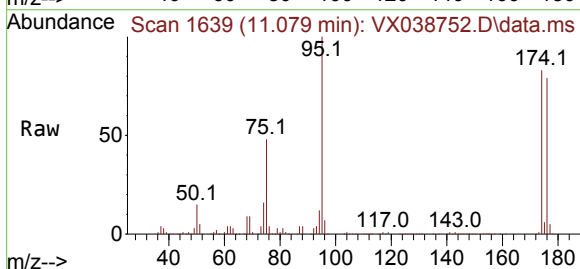
Acq: 11 Nov 2023 02:28

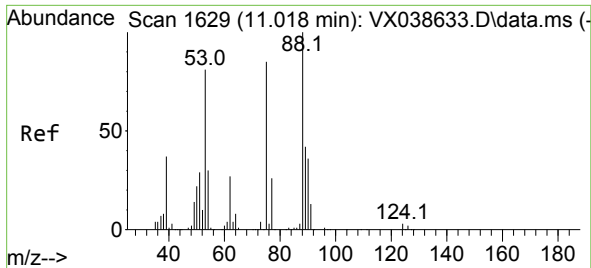
Tgt Ion: 75 Resp: 110528

Ion Ratio Lower Upper

75 100

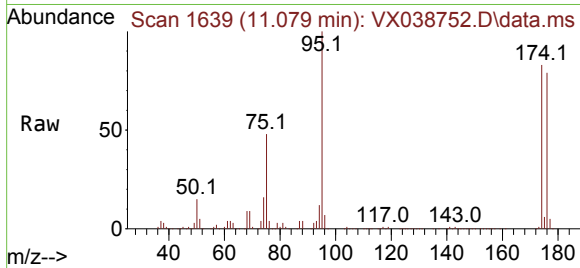
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.825 ug/l
 RT: 11.079 min Scan# 110528
 Delta R.T. 0.061 min
 Lab File: VX038752.D
 Acq: 11 Nov 2023 02:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PB157051TB



Tgt Ion: 75 Resp: 110528
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

