

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100623\
 Data File : VX038140.D
 Acq On : 06 Oct 2023 18:51
 Operator : JC/MD
 Sample : PB156147TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB156147TB

Quant Time: Oct 07 04:24:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

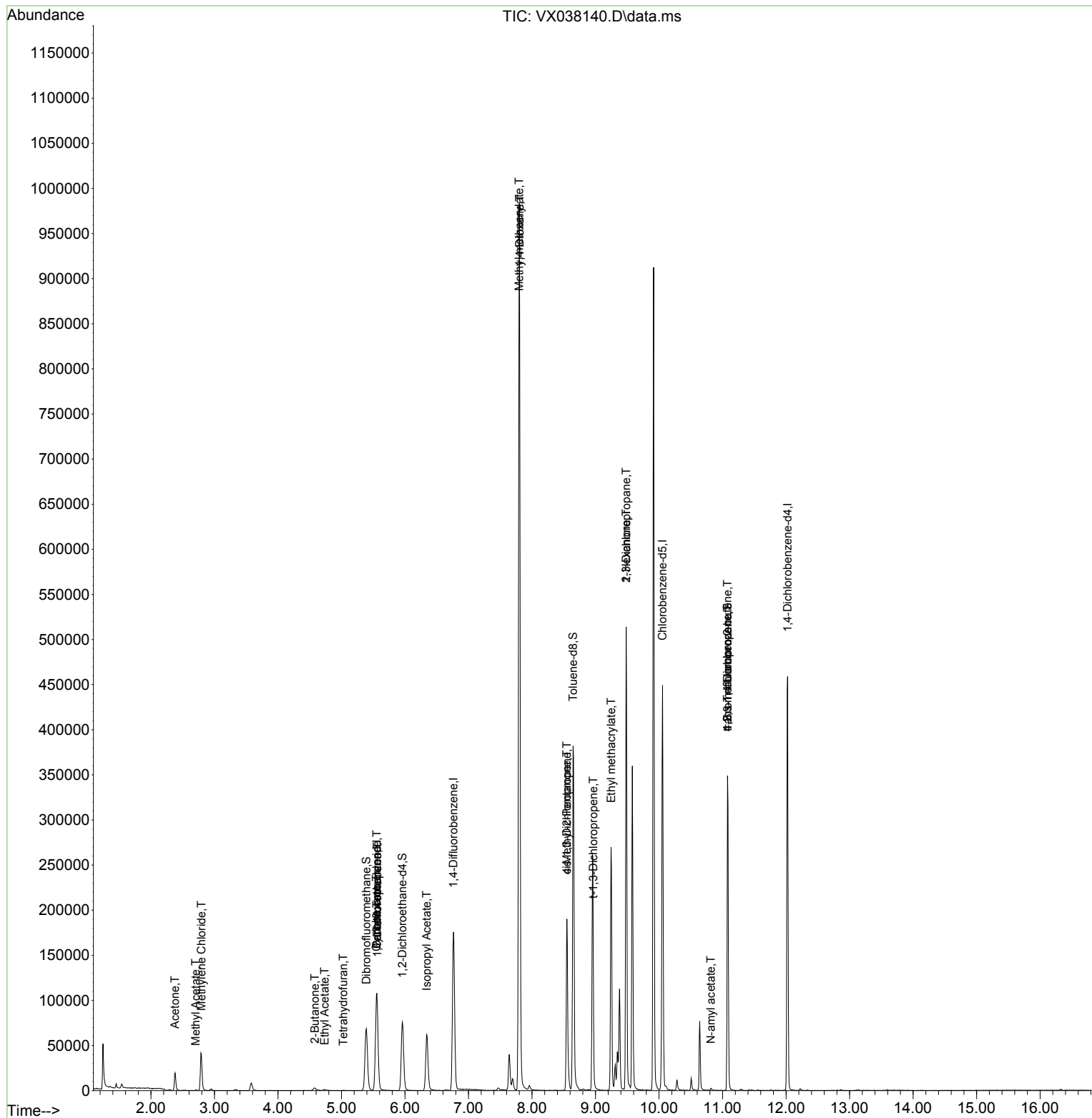
Internal Standards						
1) Pentafluorobenzene	5.556	168	99706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74389	46.386	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.780%		
35) Dibromofluoromethane	5.391	113	57852	44.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.660%		
50) Toluene-d8	8.647	98	234715	47.062	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.120%		
62) 4-Bromofluorobenzene	11.079	95	88326	46.715	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.420%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	23	Below Cal	#	3
6) Chloroethane	1.666	64	327	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	1048	Below Cal	#	78
16) Acetone	2.380	43	20236	30.234	ug/l	90
18) Methyl Acetate	2.703	43	778	0.271	ug/l	97
20) Methylene Chloride	2.794	84	19152	15.213	ug/l	94
25) 2-Butanone	4.580	43	3246	3.006	ug/l	91
29) Tetrahydrofuran	5.025	42	184	0.262	ug/l #	42
31) Cyclohexane	5.550	56	2480	1.427	ug/l #	14
36) 1,1-Dichloropropene	5.562	75	8455	4.698	ug/l #	51
37) Ethyl Acetate	4.733	43	2080	0.973	ug/l #	80
38) Carbon Tetrachloride	5.556	117	10515	5.939	ug/l #	14
43) Isopropyl Acetate	6.342	43	83914	26.298	ug/l	98
48) Methyl methacrylate	7.799	41	88799	58.294	ug/l #	50
49) 1,4-Dioxane	7.805	88	80	2.131	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	67160	30.514	ug/l #	53
53) t-1,3-Dichloropropene	8.964	75	515	0.267	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	30212	14.903	ug/l #	62
56) Ethyl methacrylate	9.244	69	746	0.347	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4367	1.925	ug/l #	42
59) 2-Hexanone	9.482	43	57630	32.570	ug/l #	55
74) N-amyl acetate	10.817	43	950	0.356	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	49406	23.322	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49406	66.638	ug/l #	5

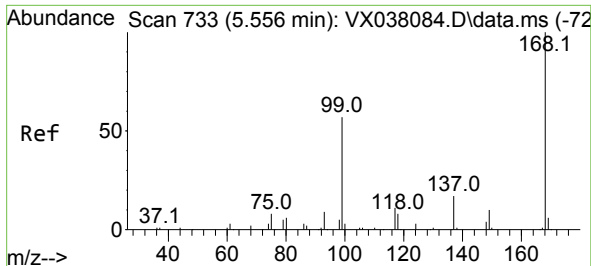
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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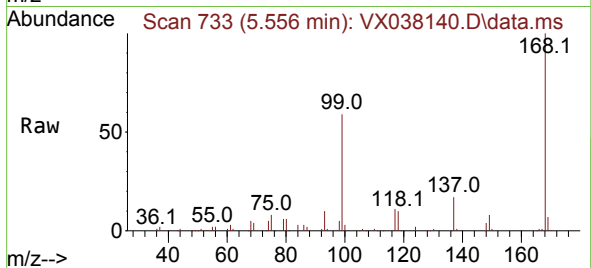
Quant Time: Oct 07 04:24:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
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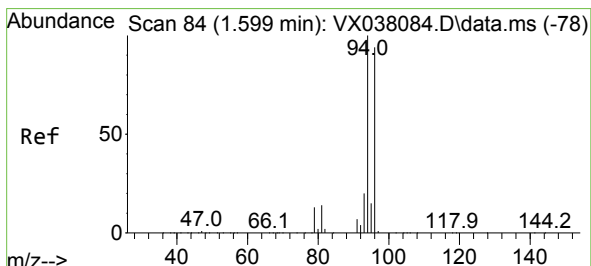
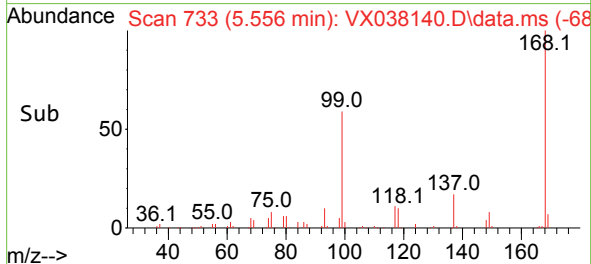
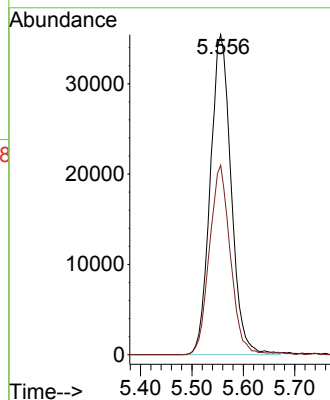


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :
PB156147TB

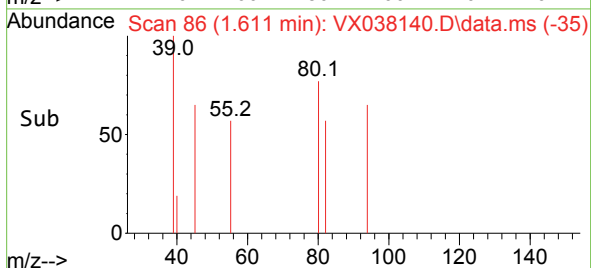
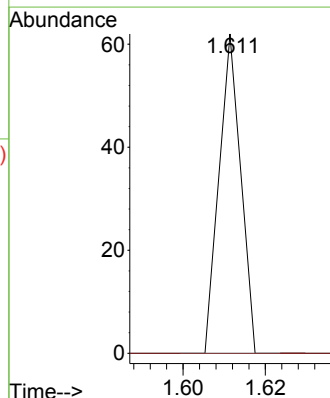
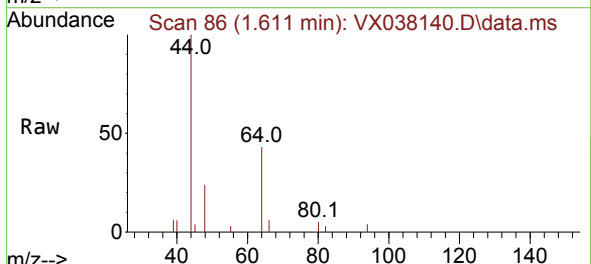


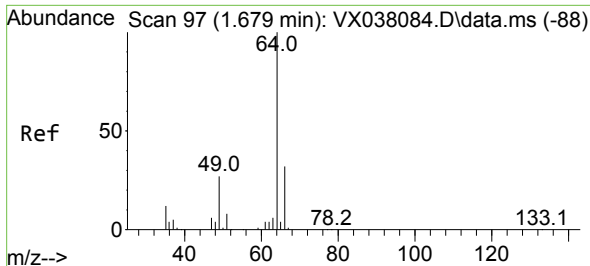
Tgt Ion:168 Resp: 99706
Ion Ratio Lower Upper
168 100
99 59.2 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 94 Resp: 23
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

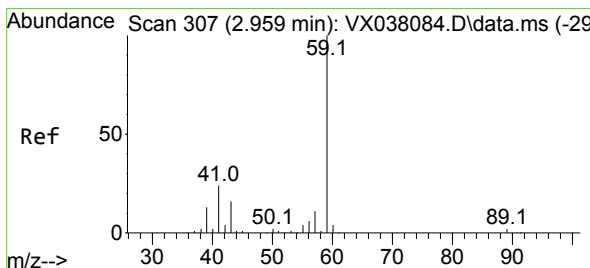
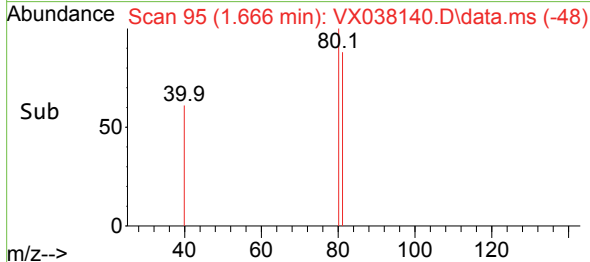
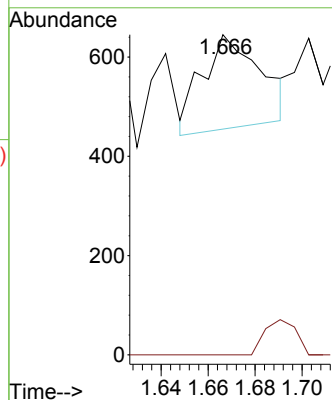
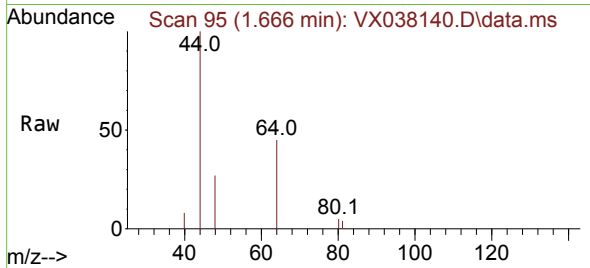




#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. -0.013 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

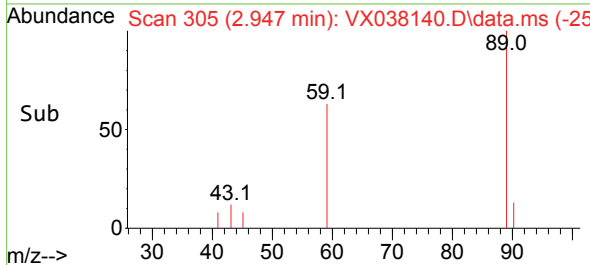
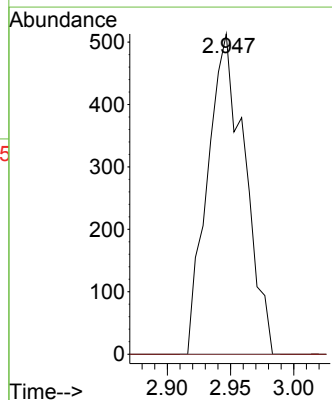
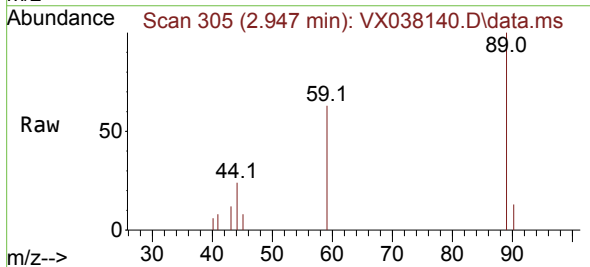
Instrument :
MSVOA_X
ClientSampleId :
PB156147TB

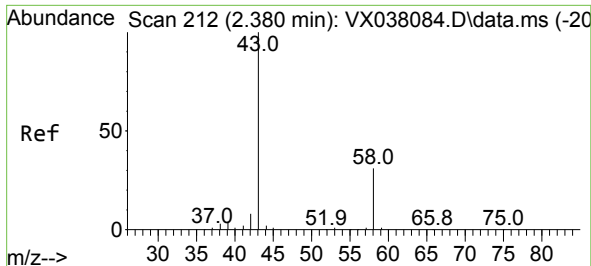
Tgt Ion: 64 Resp: 327
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 59 Resp: 1048
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

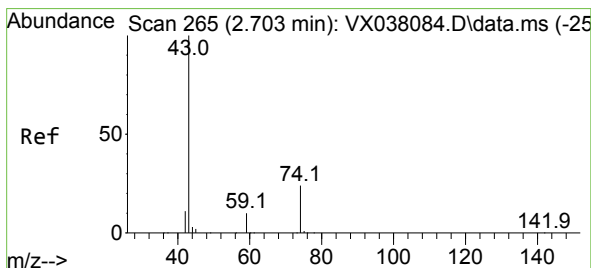
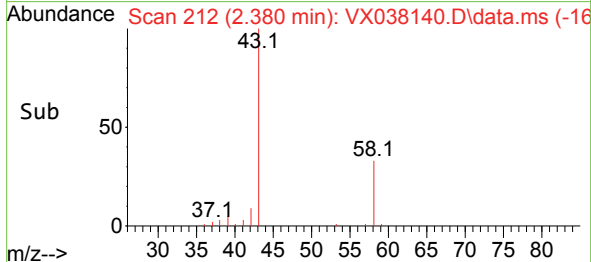
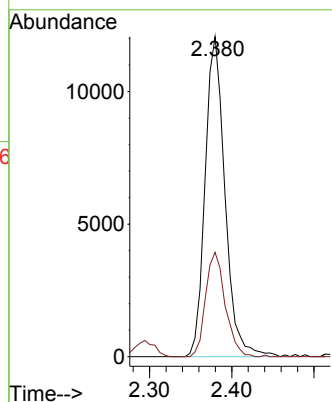
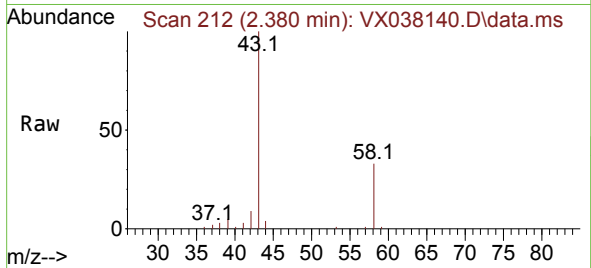




#16
Acetone
Concen: 30.234 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

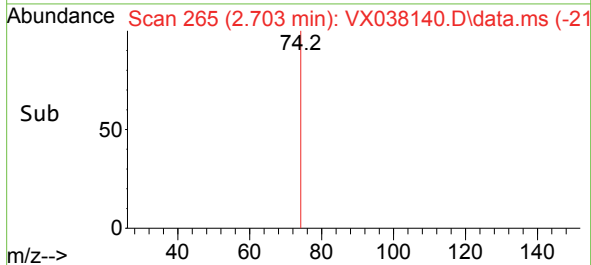
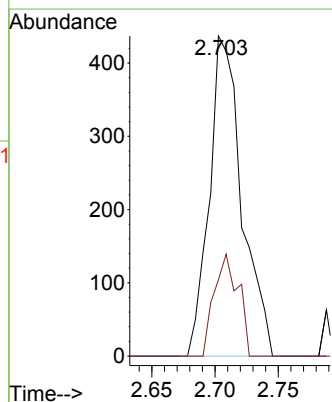
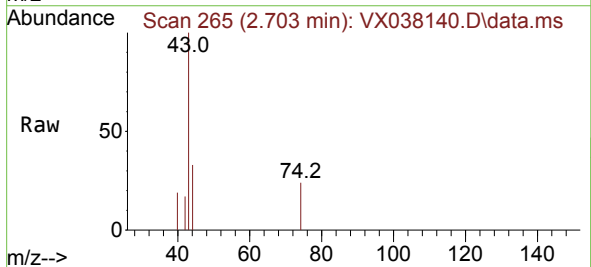
Instrument :
MSVOA_X
ClientSampleId :
PB156147TB

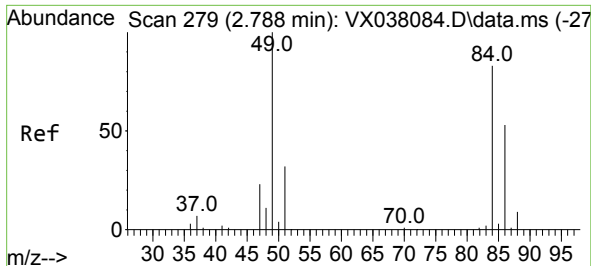
Tgt Ion: 43 Resp: 20236
Ion Ratio Lower Upper
43 100
58 32.6 21.9 32.9



#18
Methyl Acetate
Concen: 0.271 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
74 23.7 17.8 26.8





#20

Methylene Chloride

Concen: 15.213 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038140.D

Acq: 06 Oct 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

PB156147TB

Tgt Ion: 84 Resp: 19152

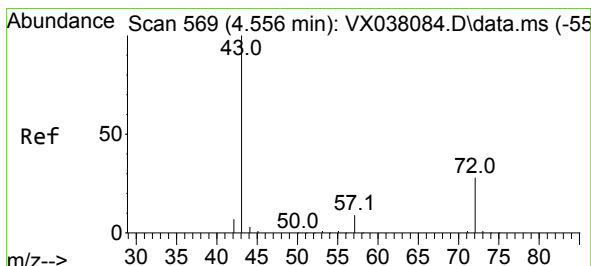
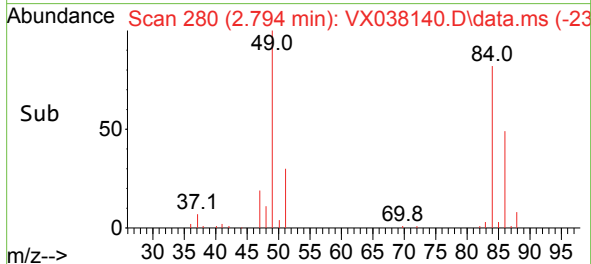
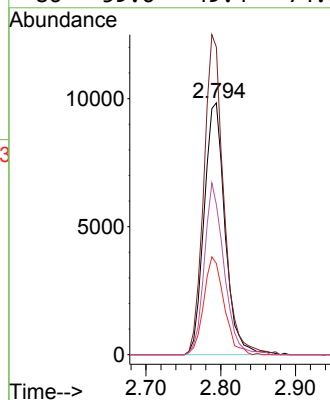
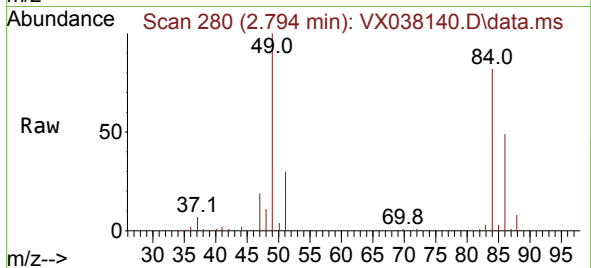
Ion Ratio Lower Upper

84 100

49 122.1 103.6 155.4

51 36.2 33.8 50.6

86 59.6 49.4 74.0



#25

2-Butanone

Concen: 3.006 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.024 min

Lab File: VX038140.D

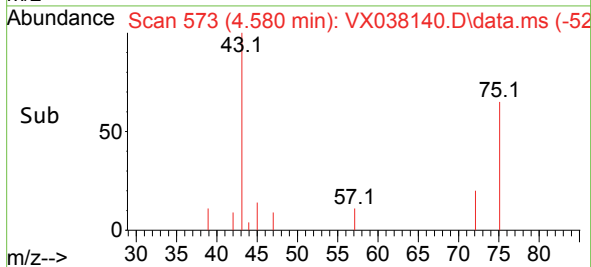
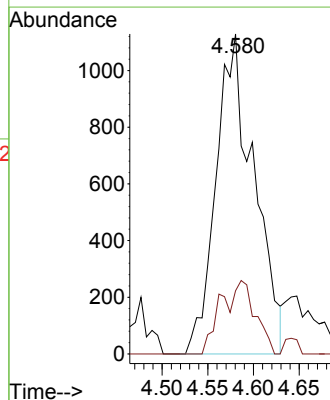
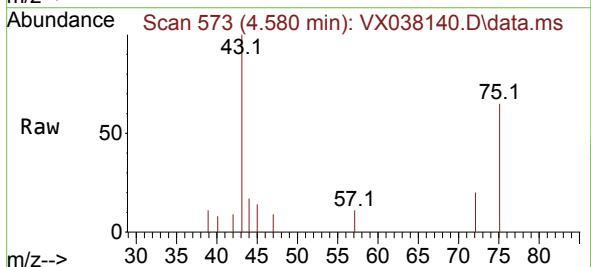
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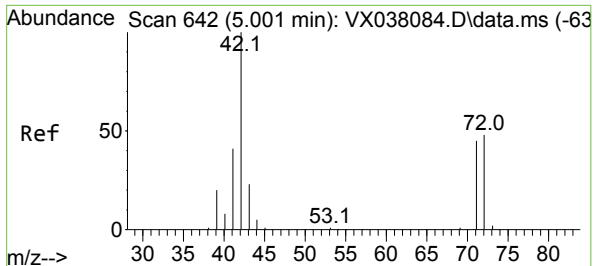
Tgt Ion: 43 Resp: 3246

Ion Ratio Lower Upper

43 100

72 19.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.262 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX038140.D

Acq: 06 Oct 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

PB156147TB

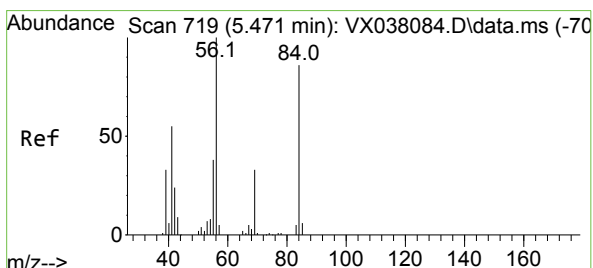
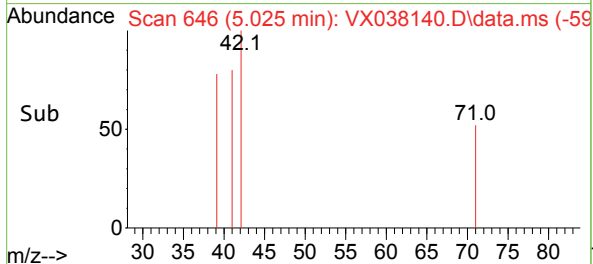
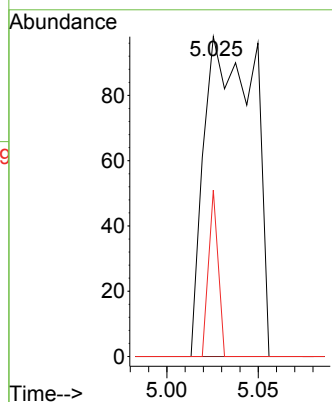
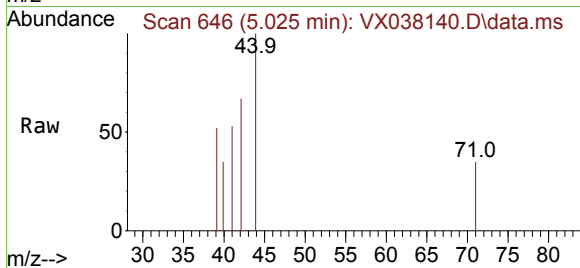
Tgt Ion: 42 Resp: 184

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 10.3 32.2 48.2#



#31

Cyclohexane

Concen: 1.427 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038140.D

Acq: 06 Oct 2023 18:51

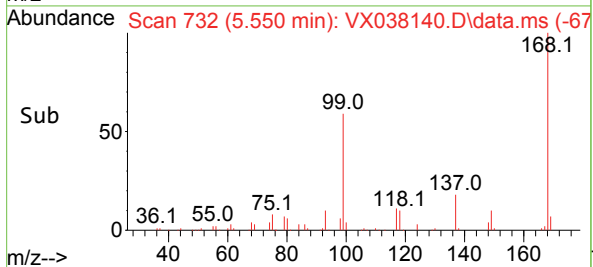
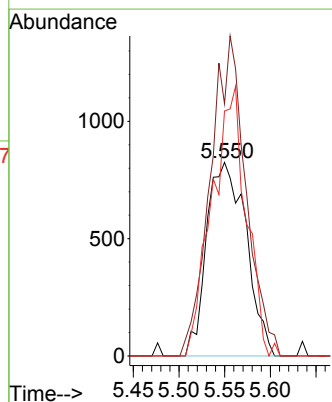
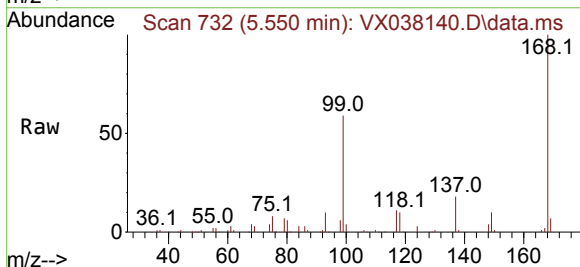
Tgt Ion: 56 Resp: 2480

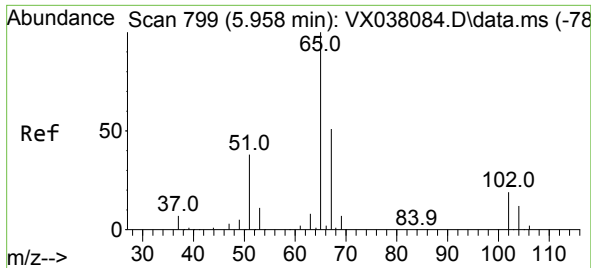
Ion Ratio Lower Upper

56 100

69 130.3 23.4 35.2#

84 126.5 65.9 98.9#

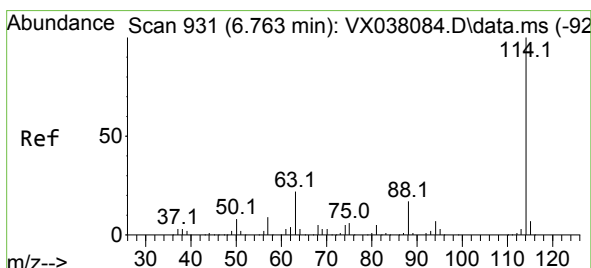
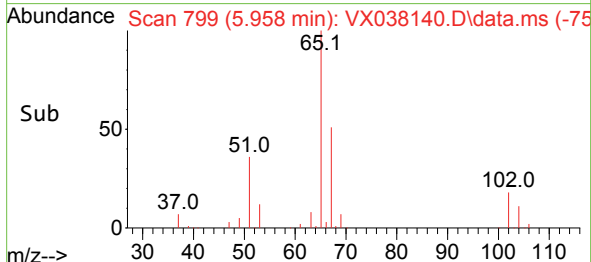
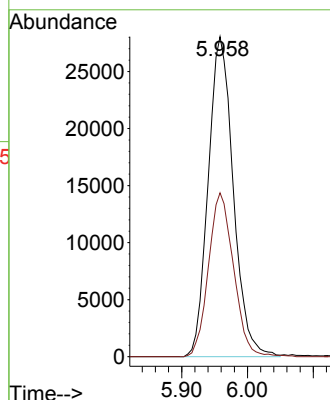
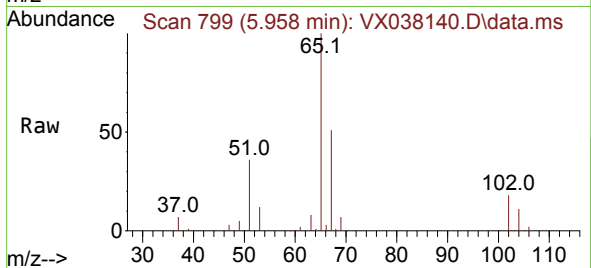




#33
1,2-Dichloroethane-d4
Concen: 46.386 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

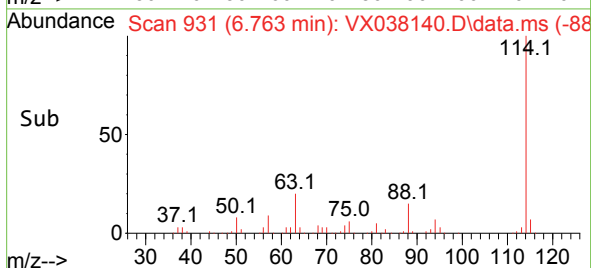
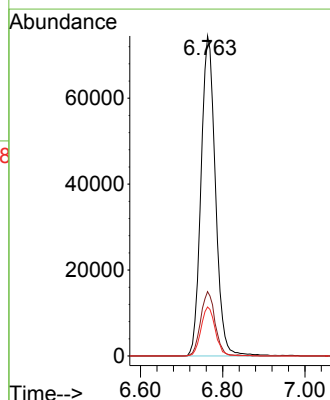
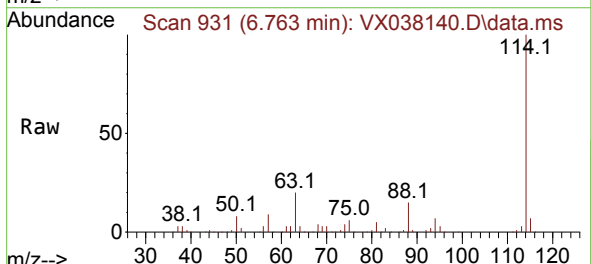
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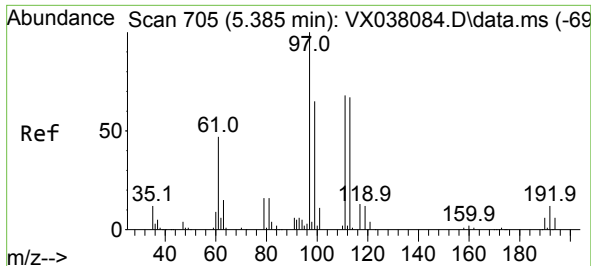
Tgt Ion: 65 Resp: 74389
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 114 Resp: 181131
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.3 0.0 36.6

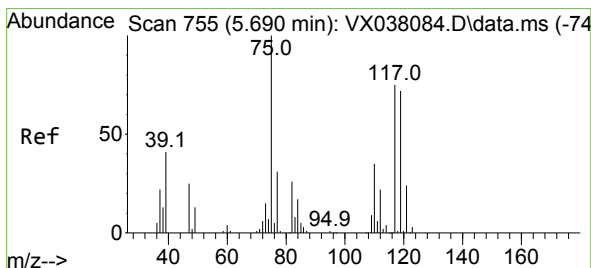
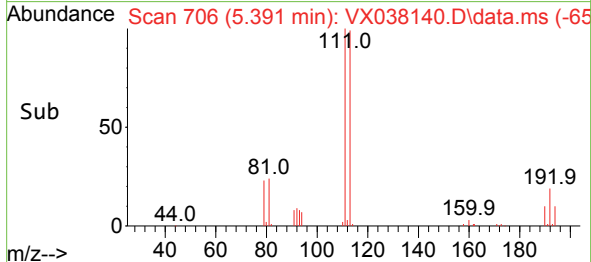
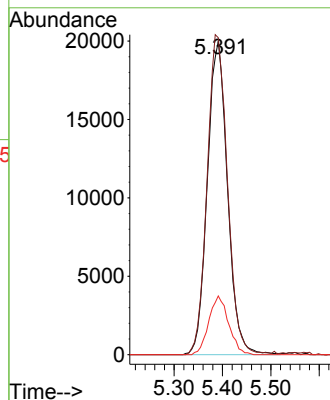
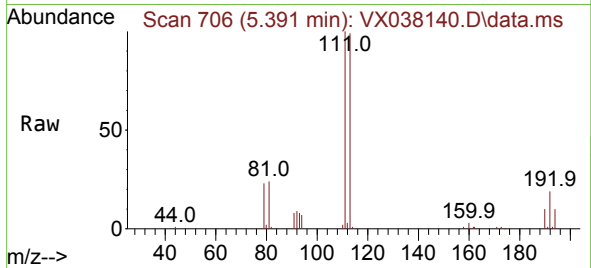




#35
Dibromofluoromethane
Concen: 44.326 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

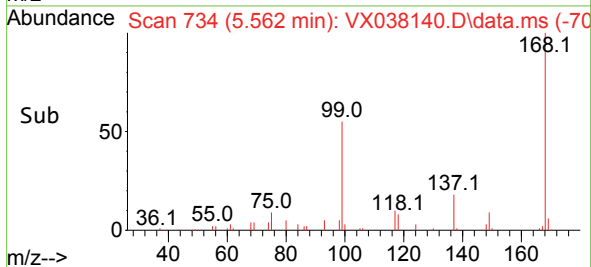
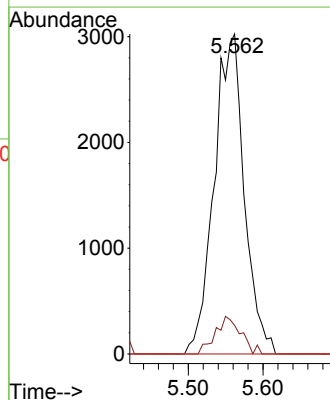
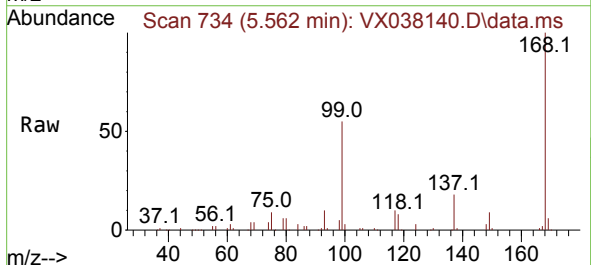
Instrument :
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ClientSampleId :
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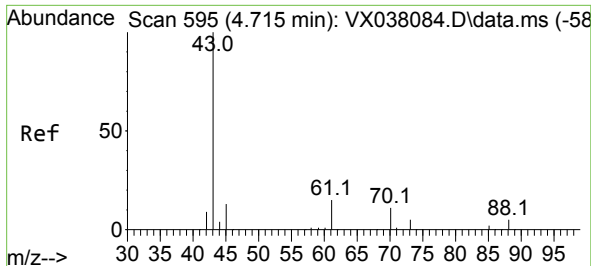
Tgt Ion:113 Resp: 57852
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 75 Resp: 8455
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.973 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.018 min

Lab File: VX038140.D

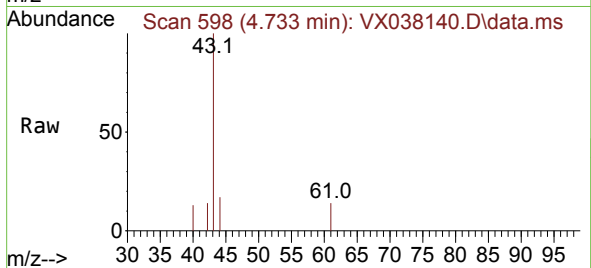
Acq: 06 Oct 2023 18:51

Instrument :

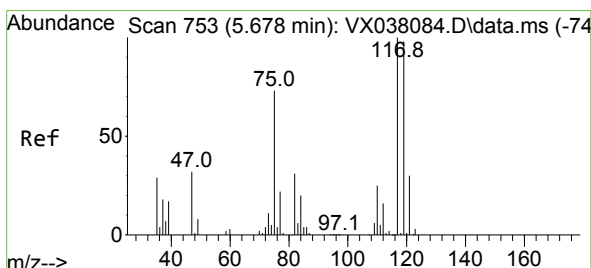
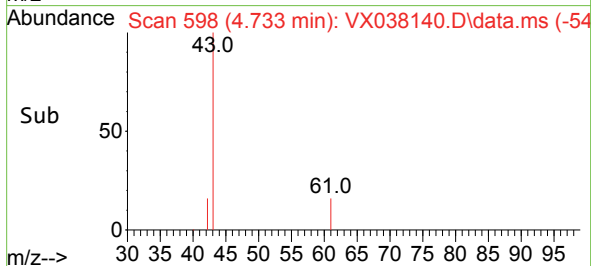
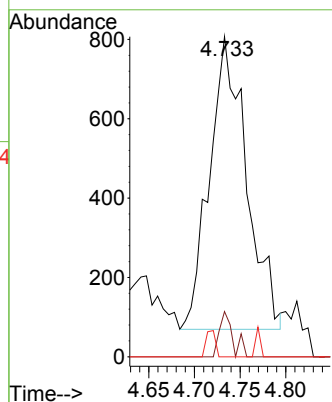
MSVOA_X

ClientSampleId :

PB156147TB



Tgt Ion: 43	Resp: 2080
Ion Ratio	Lower Upper
43	100
61	5.6 10.6 16.0#
70	2.3 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.939 ug/l

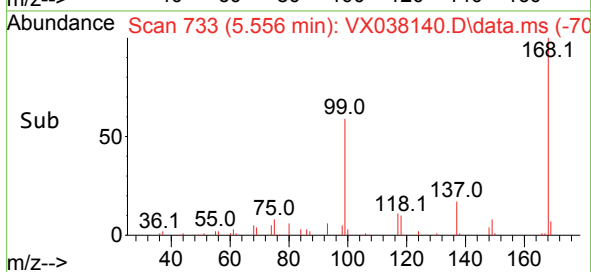
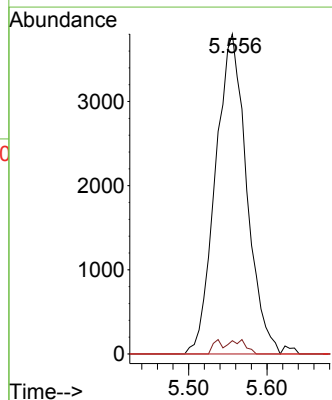
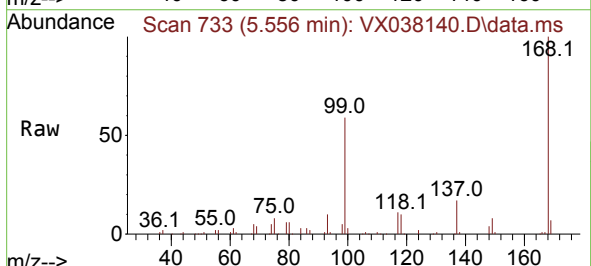
RT: 5.556 min Scan# 733

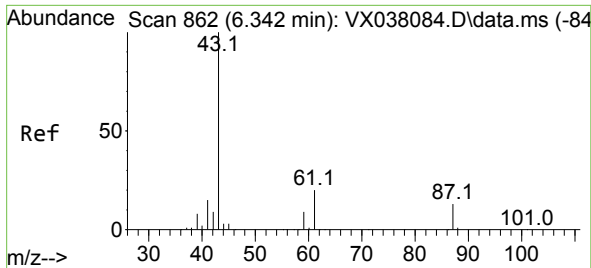
Delta R.T. -0.122 min

Lab File: VX038140.D

Acq: 06 Oct 2023 18:51

Tgt Ion: 117	Resp: 10515
Ion Ratio	Lower Upper
117	100
119	4.2 78.2 117.2#
121	0.0 24.4 36.6#

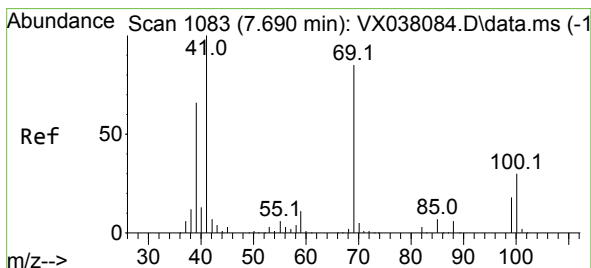
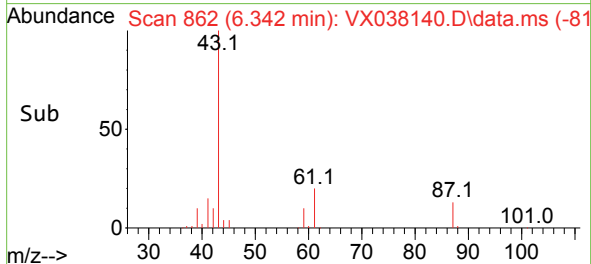
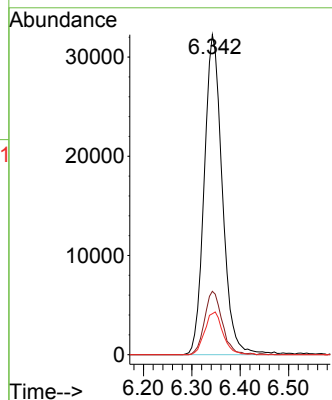
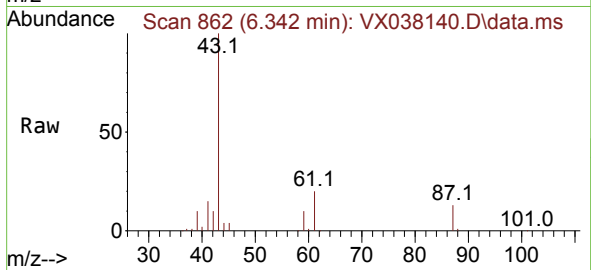




#43
Isopropyl Acetate
Concen: 26.298 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

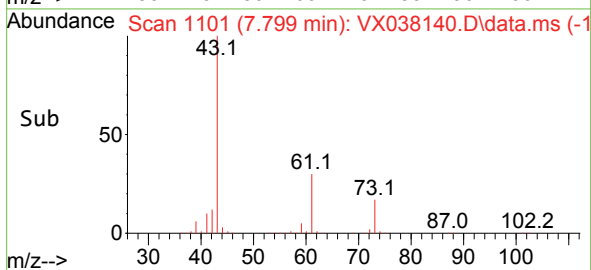
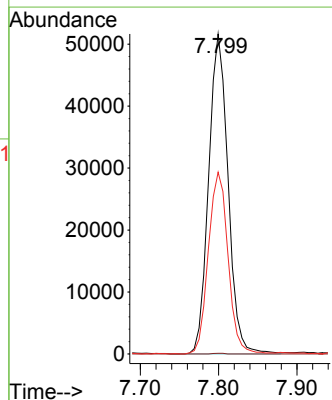
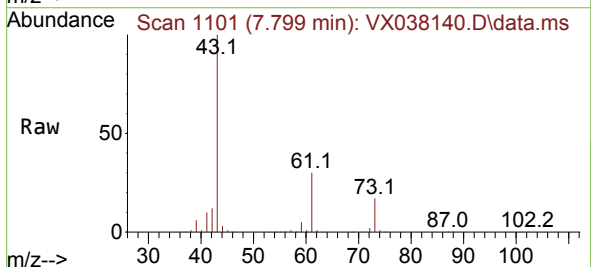
Instrument :
MSVOA_X
ClientSampleId :
PB156147TB

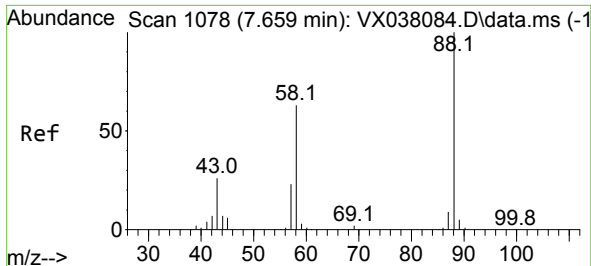
Tgt Ion: 43 Resp: 83914
Ion Ratio Lower Upper
43 100
61 19.4 15.2 22.8
87 13.5 9.8 14.6



#48
Methyl methacrylate
Concen: 58.294 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 41 Resp: 88799
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 57.7 47.7 71.5





#49

1,4-Dioxane

Concen: 2.131 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX038140.D

Acq: 06 Oct 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

PB156147TB

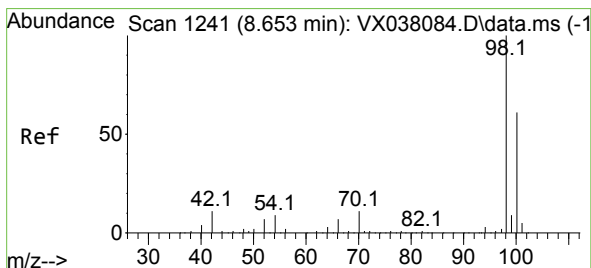
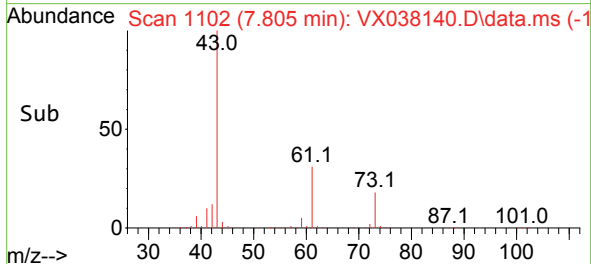
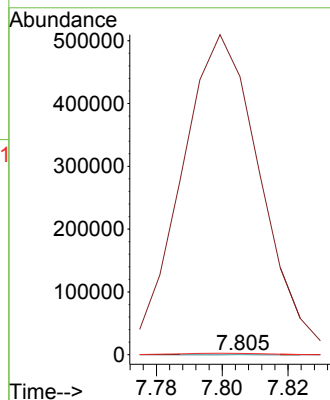
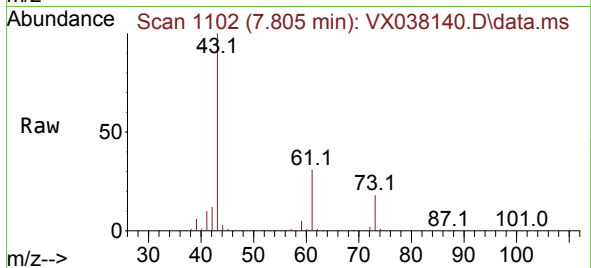
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 1091811.3 0.0 0.0#

58 5280.0 60.1 90.1#



#50

Toluene-d8

Concen: 47.062 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038140.D

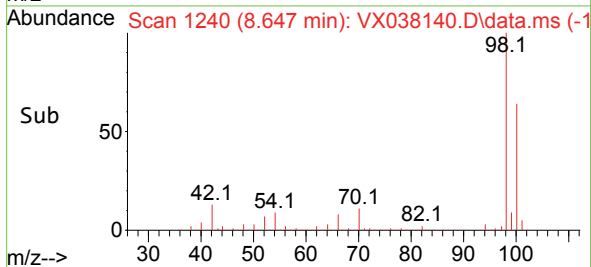
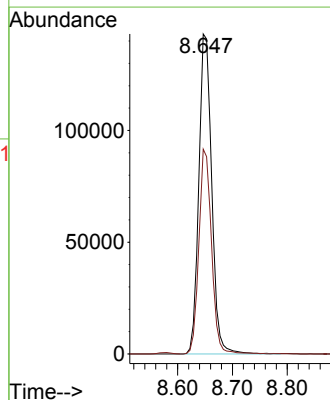
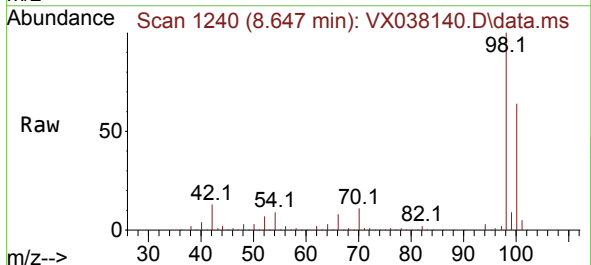
Acq: 06 Oct 2023 18:51

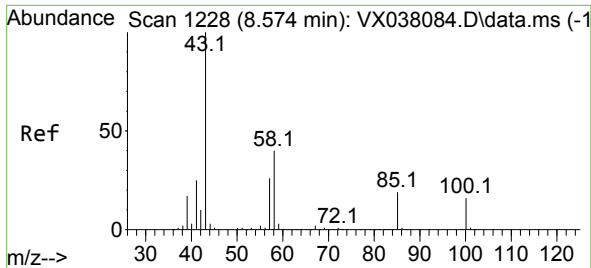
Tgt Ion: 98 Resp: 234715

Ion Ratio Lower Upper

98 100

100 62.8 53.1 79.7

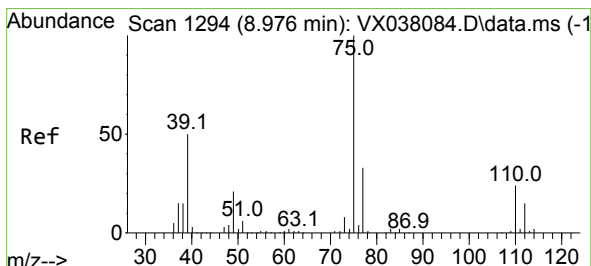
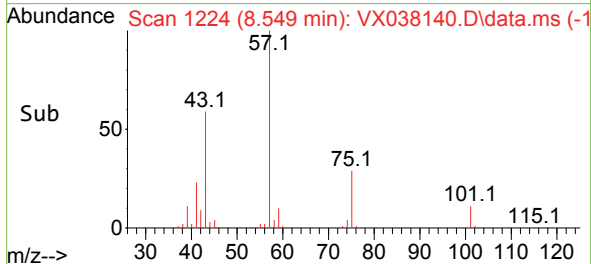
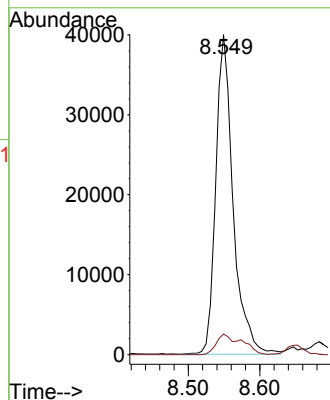
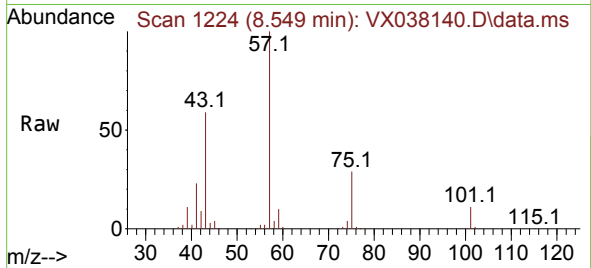




#51
4-Methyl-2-Pentanone
Concen: 30.514 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

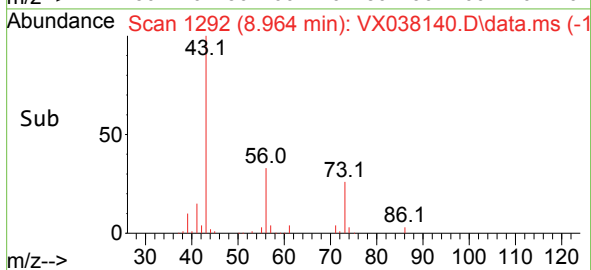
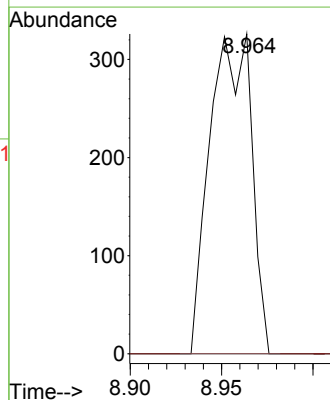
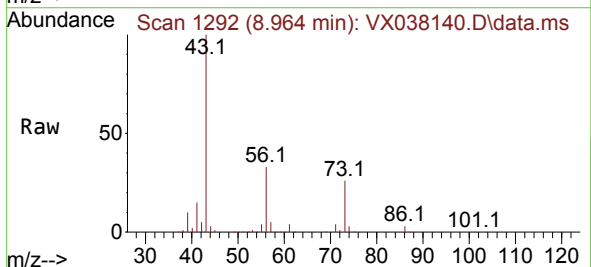
Instrument :
MSVOA_X
ClientSampleId :
PB156147TB

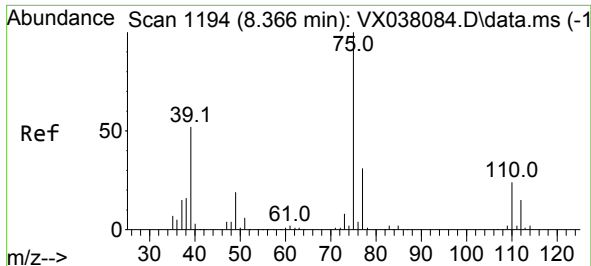
Tgt Ion: 43 Resp: 67160
Ion Ratio Lower Upper
43 100
58 9.6 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.267 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 75 Resp: 515
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

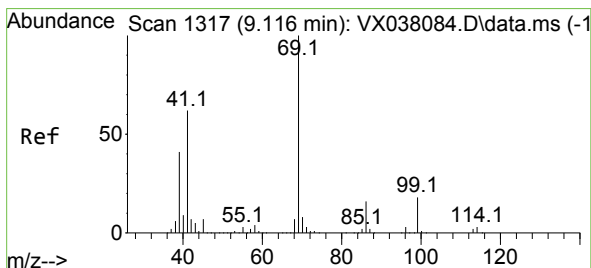
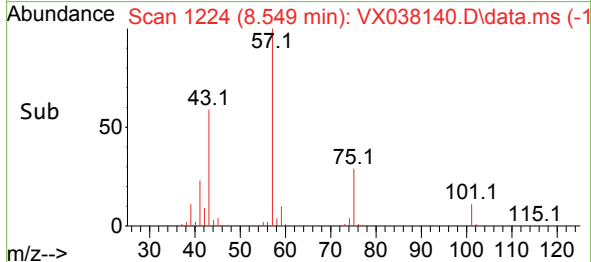
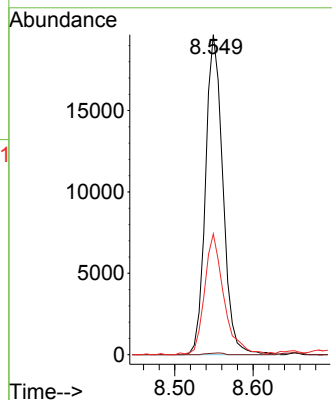
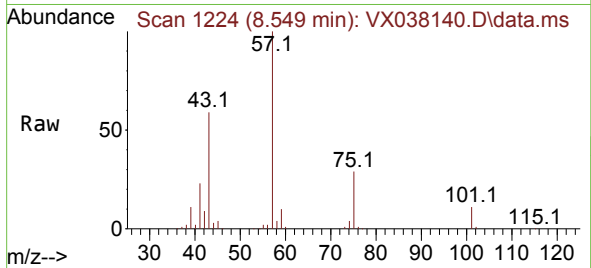




#54
 cis-1,3-Dichloropropene
 Concen: 14.903 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038140.D
 Acq: 06 Oct 2023 18:51

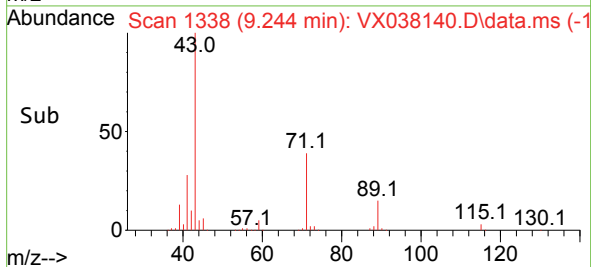
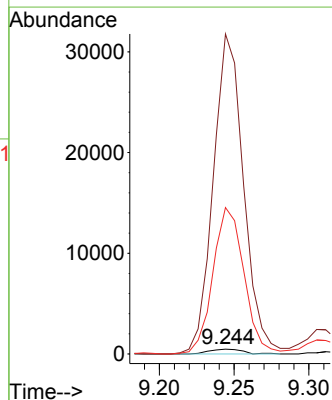
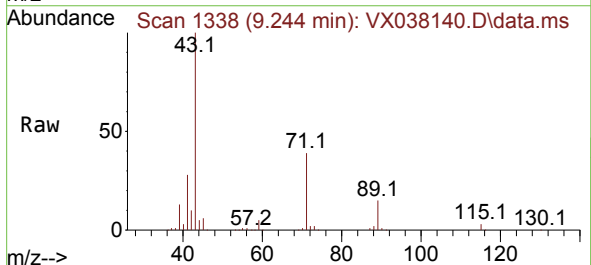
Instrument :
 MSVOA_X
 ClientSampleId :
 PB156147TB

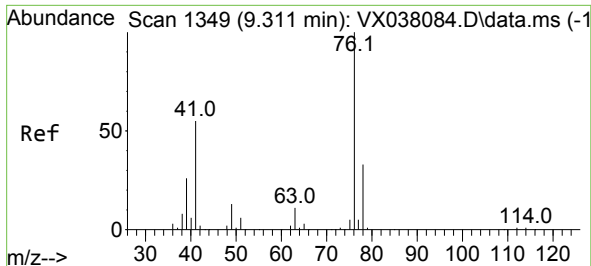
Tgt Ion: 75 Resp: 30212
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 37.2 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.347 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX038140.D
 Acq: 06 Oct 2023 18:51

Tgt Ion: 69 Resp: 746
 Ion Ratio Lower Upper
 69 100
 41 6037.8 56.8 85.2#
 39 2813.5 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.925 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038140.D

Acq: 06 Oct 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

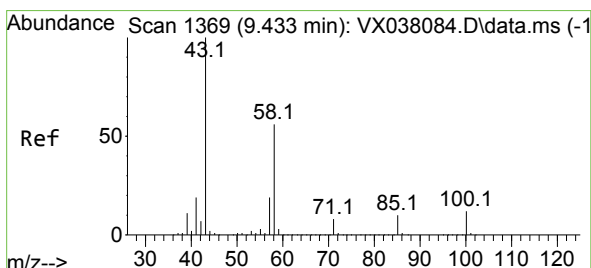
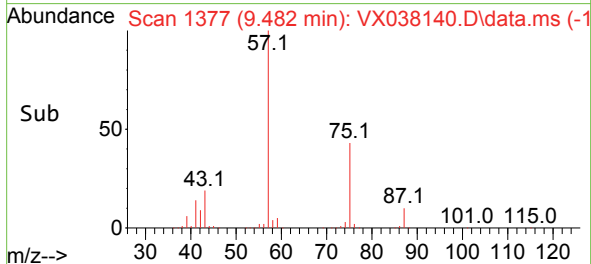
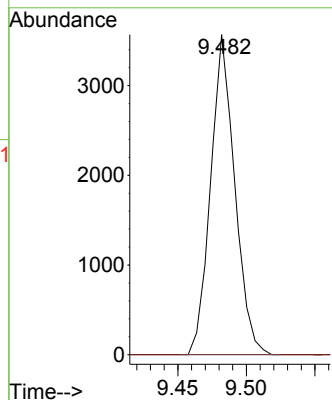
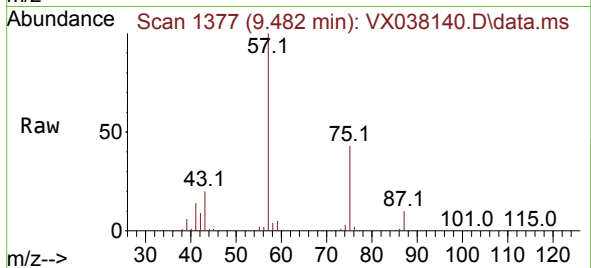
PB156147TB

Tgt Ion: 76 Resp: 4367

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.570 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038140.D

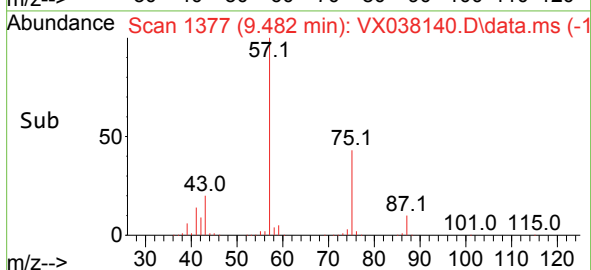
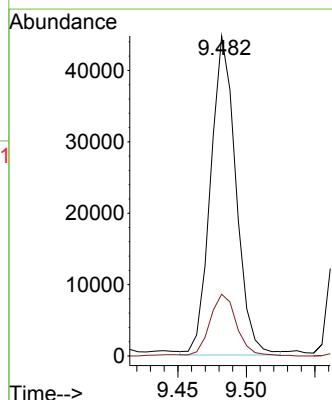
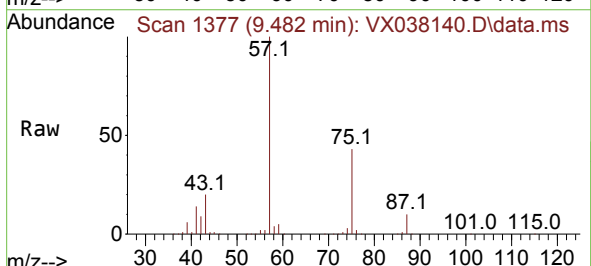
Acq: 06 Oct 2023 18:51

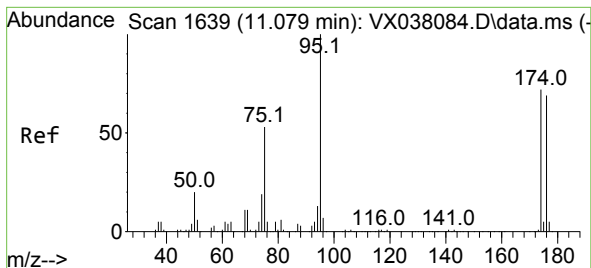
Tgt Ion: 43 Resp: 57630

Ion Ratio Lower Upper

43 100

58 20.8 26.2 78.5#

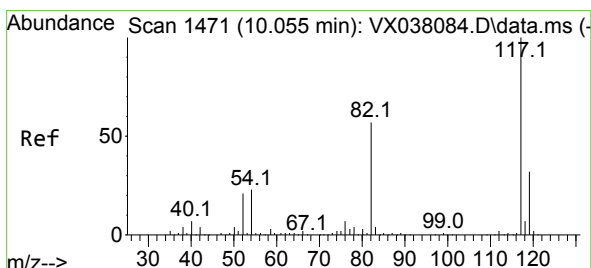
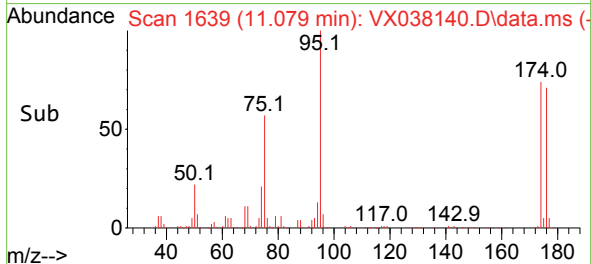
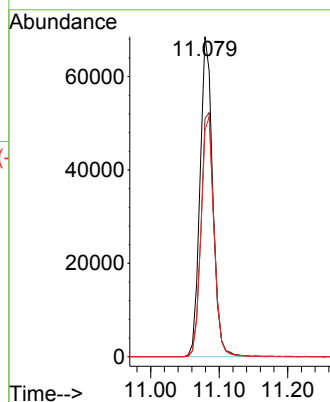
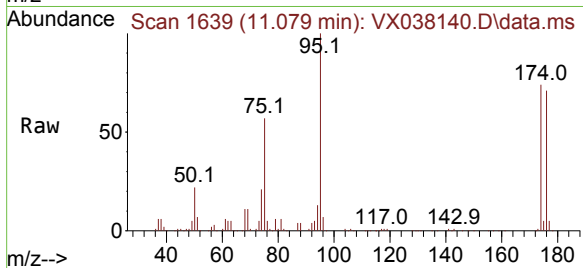




#62
4-Bromofluorobenzene
Concen: 46.715 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

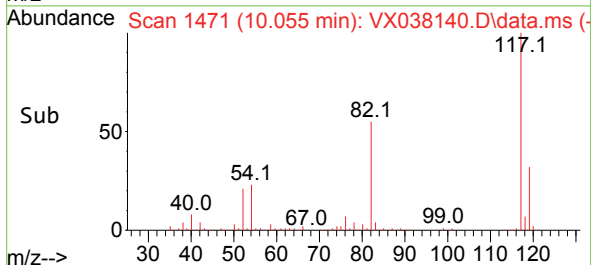
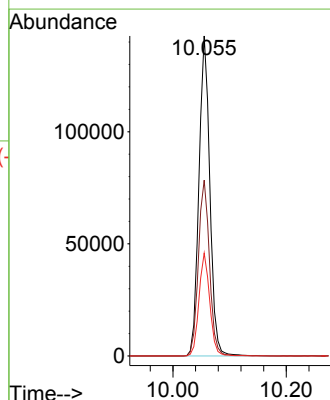
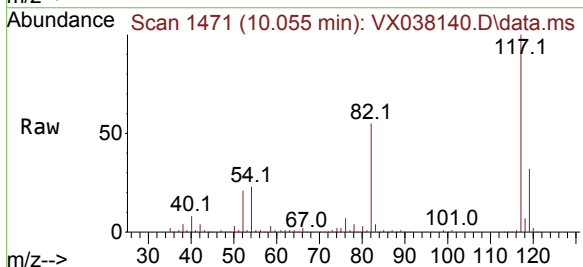
Instrument :
MSVOA_X
ClientSampleId :
PB156147TB

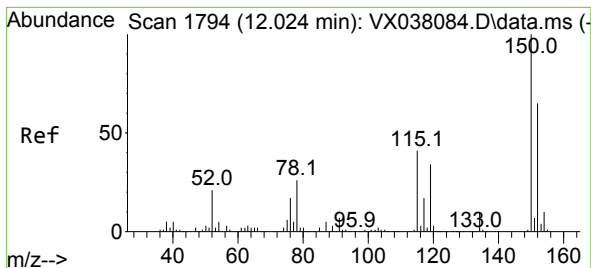
Tgt Ion: 95 Resp: 88326
Ion Ratio Lower Upper
95 100
174 78.7 0.0 135.6
176 76.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 117 Resp: 190442
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038140.D

Acq: 06 Oct 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

PB156147TB

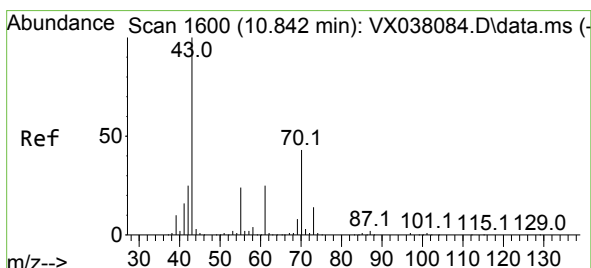
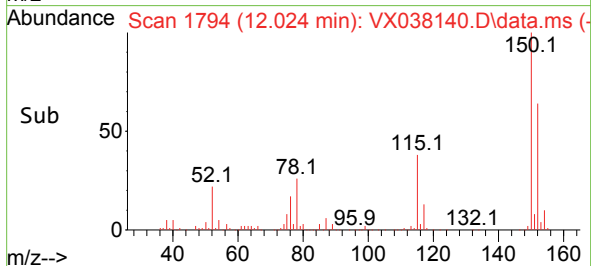
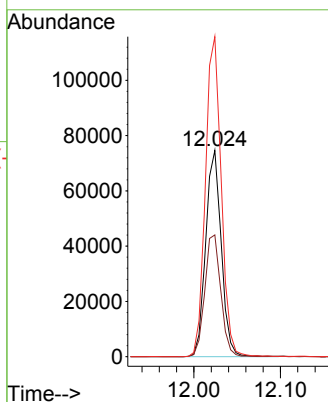
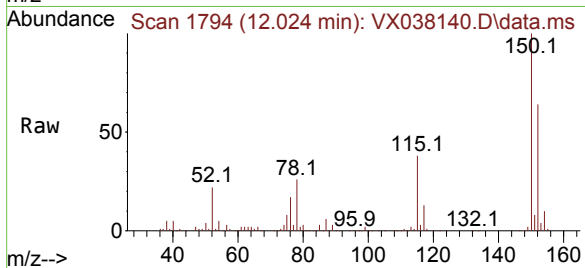
Tgt Ion:152 Resp: 93186

Ion Ratio Lower Upper

152 100

115 60.8 43.3 129.9

150 157.5 0.0 345.0



#74

N-ethyl acetate

Concen: 0.356 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.025 min

Lab File: VX038140.D

Acq: 06 Oct 2023 18:51

Tgt Ion: 43 Resp: 950

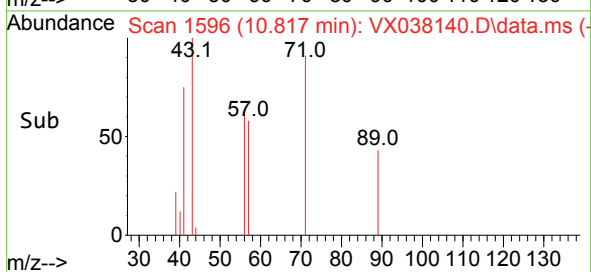
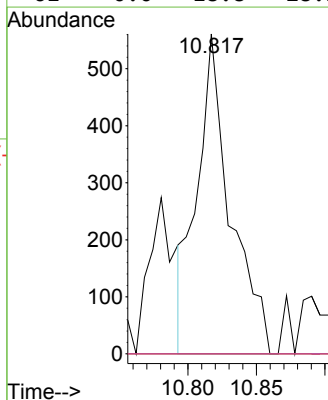
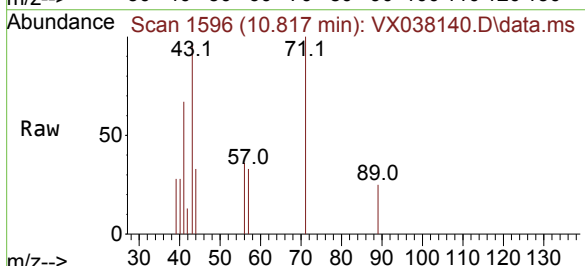
Ion Ratio Lower Upper

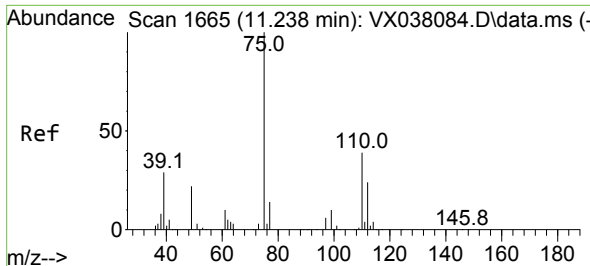
43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#

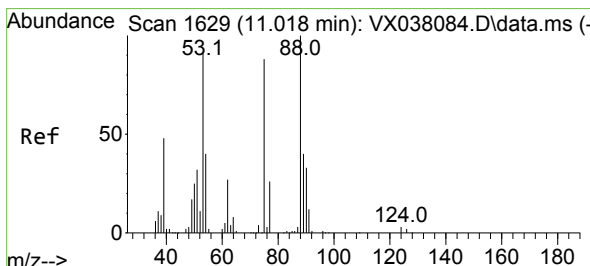
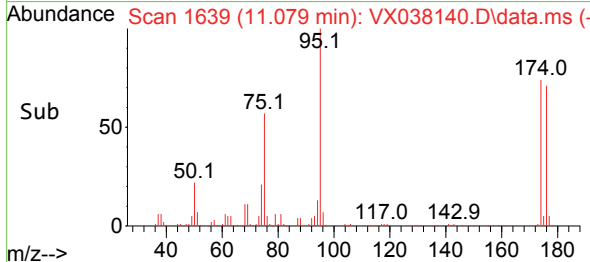
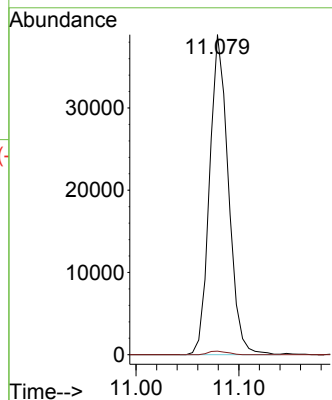
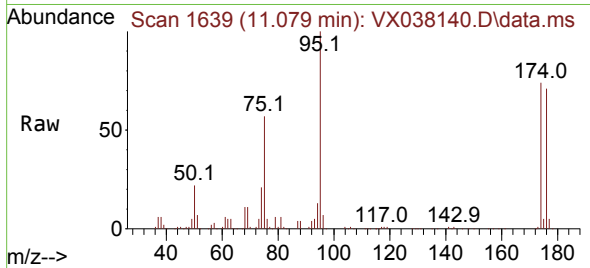




#76
1,2,3-Trichloropropane
Concen: 23.322 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :
PB156147TB

Tgt Ion: 75 Resp: 49406
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.638 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038140.D
Acq: 06 Oct 2023 18:51

Tgt Ion: 75 Resp: 49406
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

