

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038330.D
 Acq On : 17 Oct 2023 15:31
 Operator : JC/MD
 Sample : PB156409ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 04:00:24 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

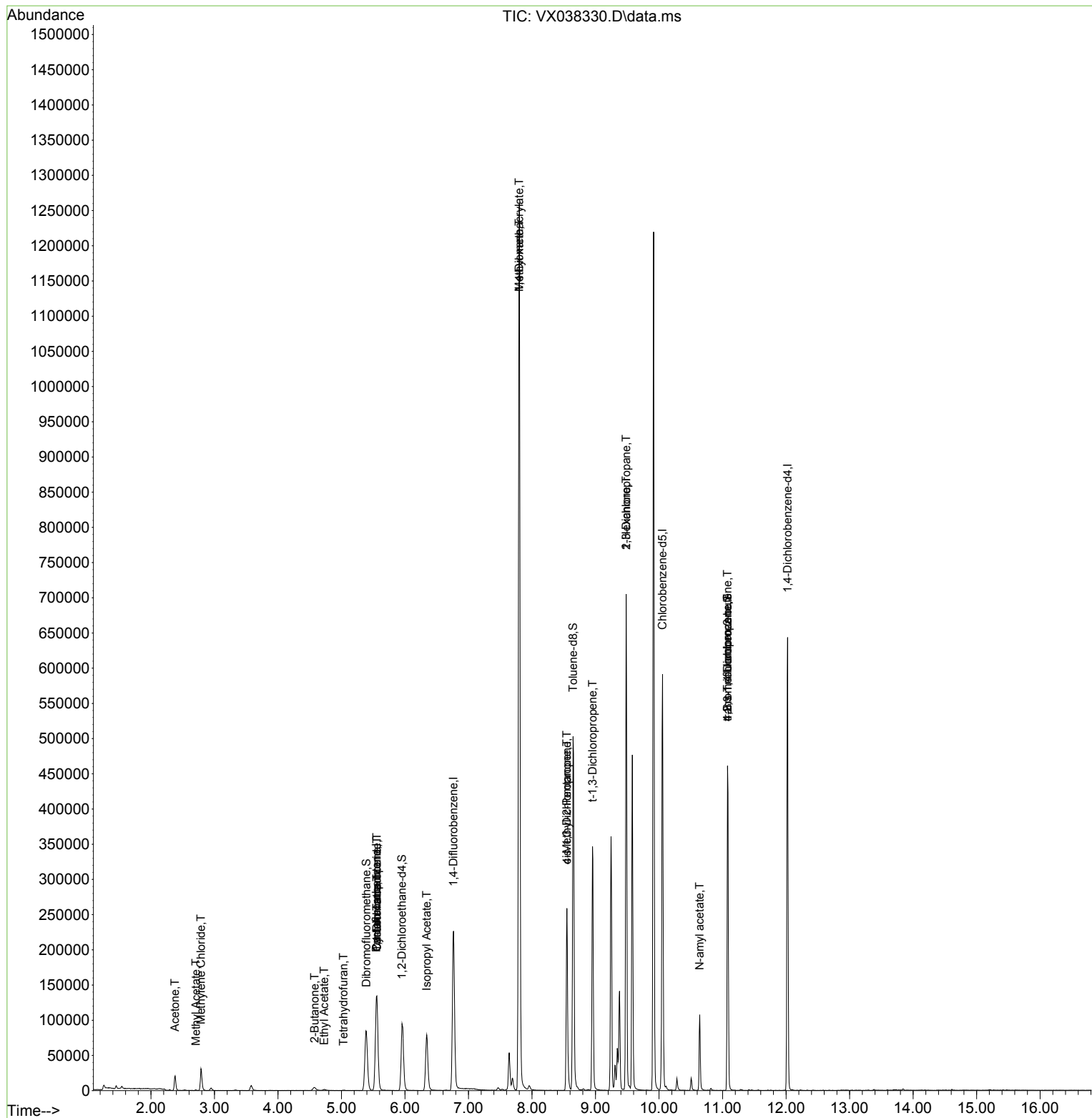
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	127017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232977	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91700	44.885	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.780%
35) Dibromofluoromethane	5.391	113	73623	43.856	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.720%
50) Toluene-d8	8.647	98	304513	47.470	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.940%
62) 4-Bromofluorobenzene	11.079	95	120970	49.742	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.480%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	19	Below Cal	#	3
6) Chloroethane	1.697	64	499	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	2262	Below Cal	#	81
16) Acetone	2.380	43	22253	26.099	ug/l	96
18) Methyl Acetate	2.709	43	1158	0.317	ug/l	91
20) Methylene Chloride	2.788	84	14505	9.044	ug/l	90
25) 2-Butanone	4.574	43	3035	2.206	ug/l	# 87
29) Tetrahydrofuran	5.031	42	475	0.530	ug/l	# 70
31) Cyclohexane	5.556	56	2976	1.345	ug/l	# 9
36) 1,1-Dichloropropene	5.556	75	10721	4.631	ug/l	# 50
37) Ethyl Acetate	4.727	43	2393	0.870	ug/l	# 91
38) Carbon Tetrachloride	5.556	117	13740	6.033	ug/l	# 16
43) Isopropyl Acetate	6.342	43	105839	25.787	ug/l	97
48) Methyl methacrylate	7.799	41	109451	55.861	ug/l	# 50
49) 1,4-Dioxane	7.799	88	140	2.900	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	86428	30.529	ug/l	# 53
53) t-1,3-Dichloropropene	8.951	75	888	0.358	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	41356	15.860	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	6285	2.154	ug/l	# 42
59) 2-Hexanone	9.482	43	76198	33.480	ug/l	# 54
74) N-amyl acetate	10.640	43	24019	6.565	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	64611	22.246	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	64611	63.751	ug/l	# 5

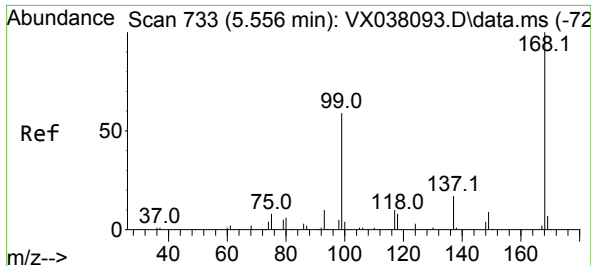
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
Data File : VX038330.D
Acq On : 17 Oct 2023 15:31
Operator : JC/MD
Sample : PB156409ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

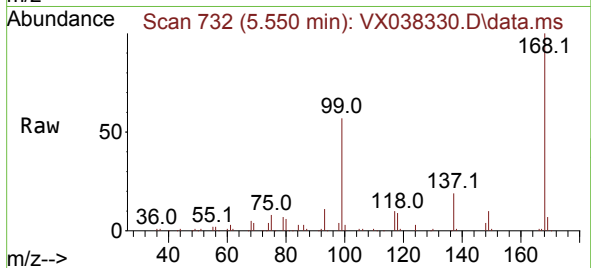
Quant Time: Oct 18 04:00:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



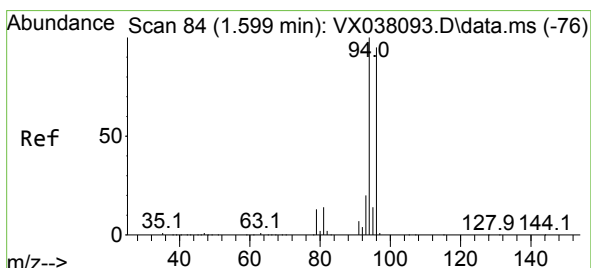
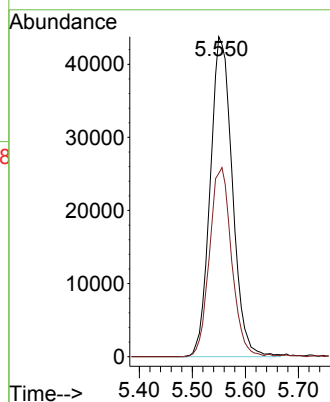
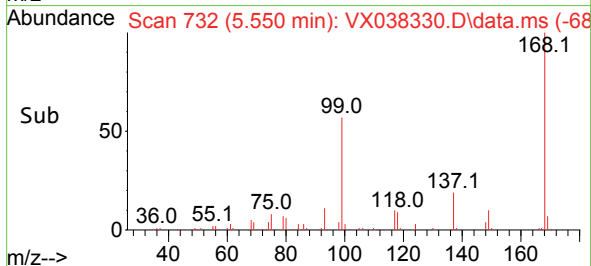


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Instrument :
MSVOA_X
ClientSampleId :

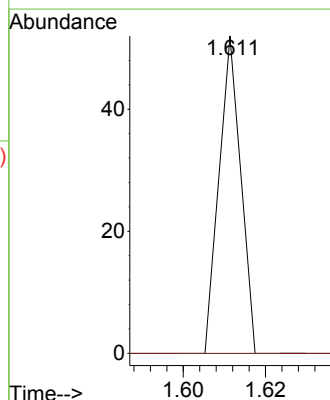
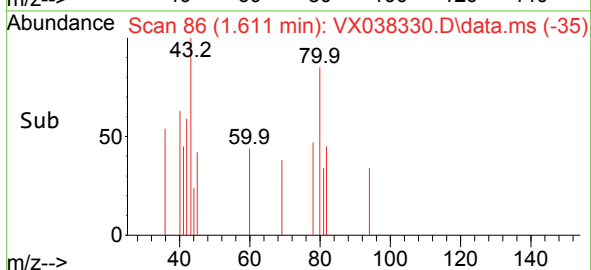
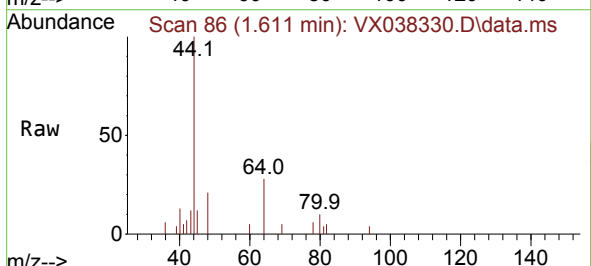


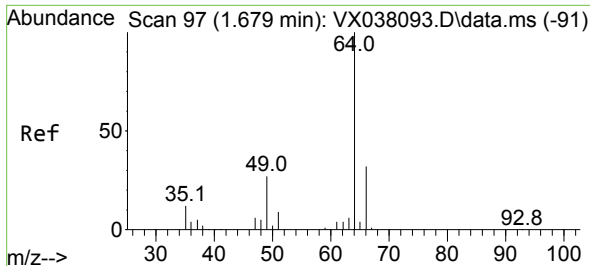
Tgt Ion:168 Resp: 127017
Ion Ratio Lower Upper
168 100
99 57.3 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

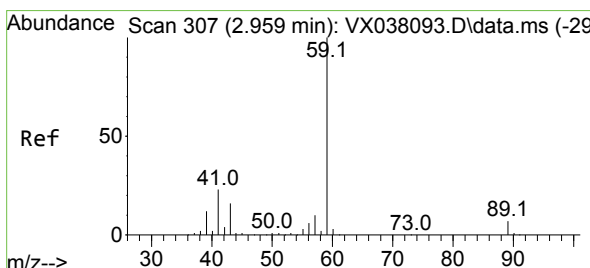
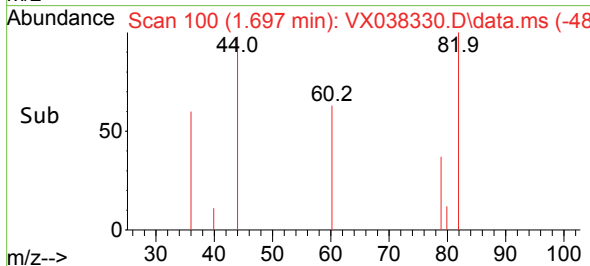
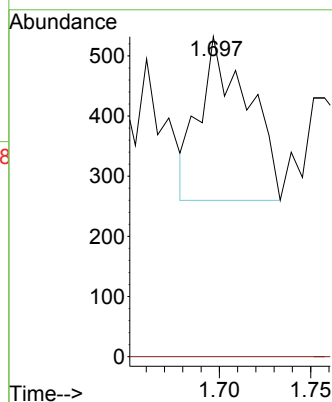
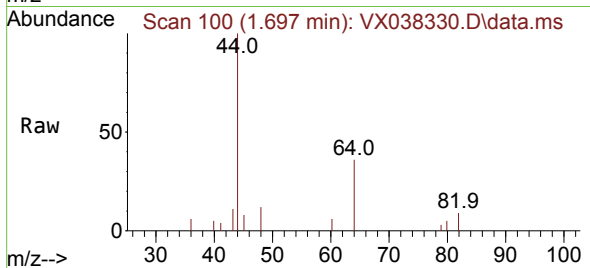




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 10
Delta R.T. 0.018 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

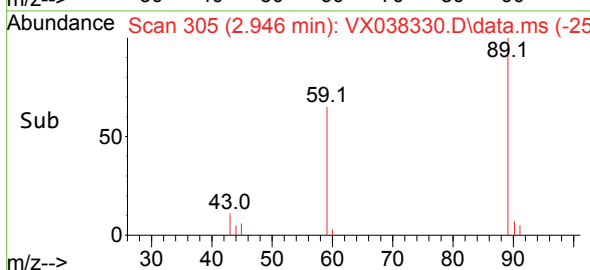
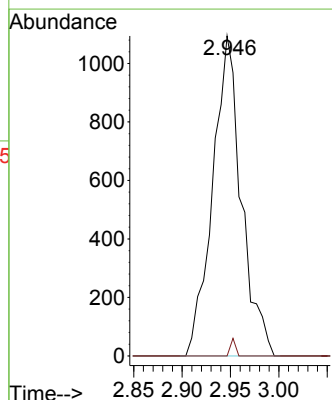
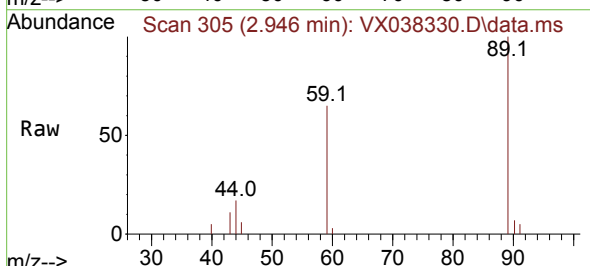
Instrument :
MSVOA_X
ClientSampleId :

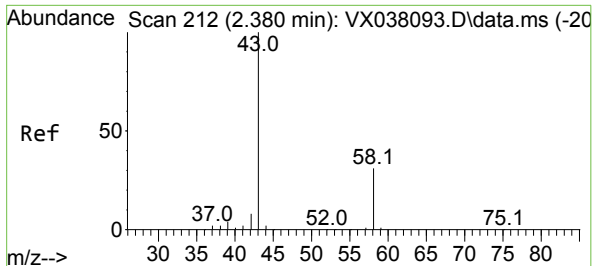
Tgt Ion: 64 Resp: 499
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Tgt Ion: 59 Resp: 2262
Ion Ratio Lower Upper
59 100
57 1.0 6.0 9.0#

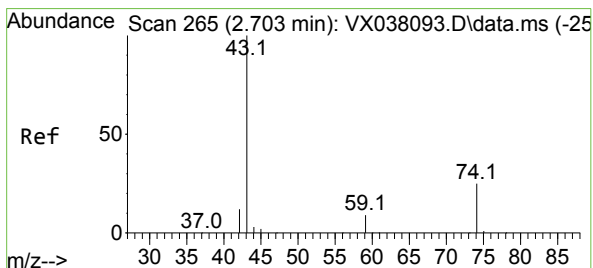
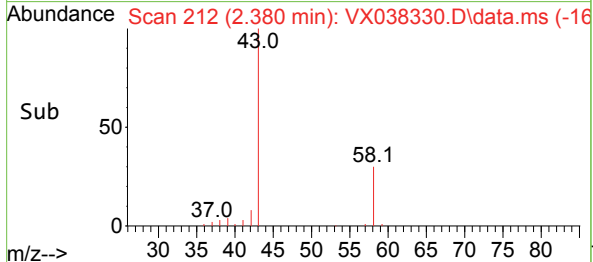
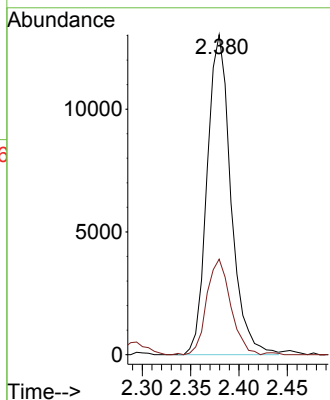
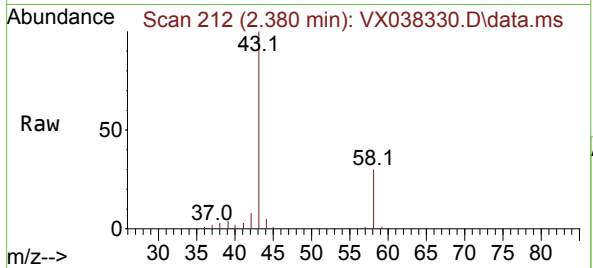




#16
Acetone
Concen: 26.099 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

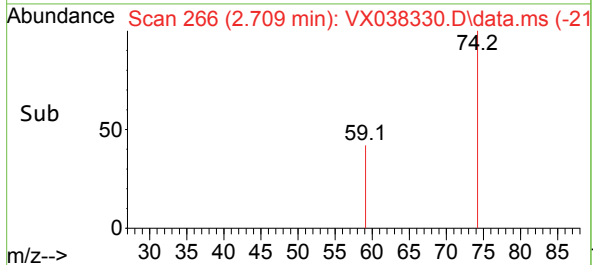
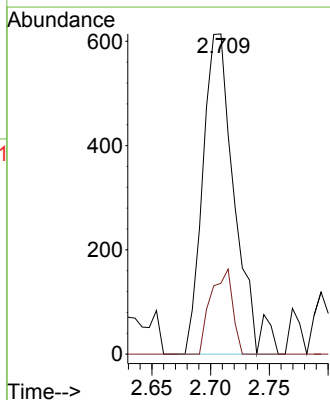
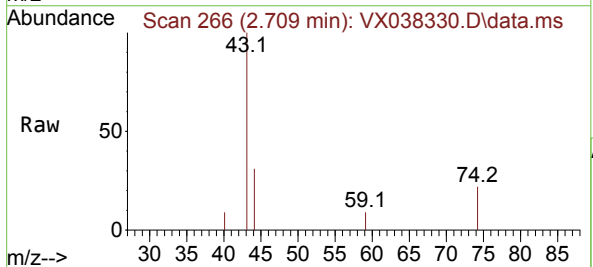
Instrument :
MSVOA_X
ClientSampleId :

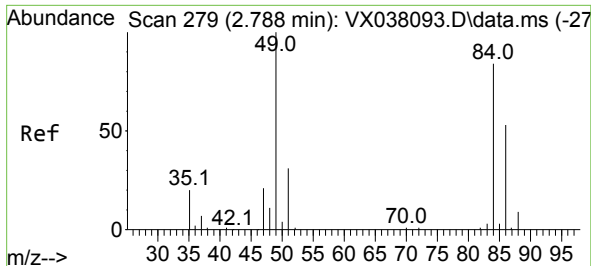
Tgt Ion: 43 Resp: 22253
Ion Ratio Lower Upper
43 100
58 29.4 21.9 32.9



#18
Methyl Acetate
Concen: 0.317 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

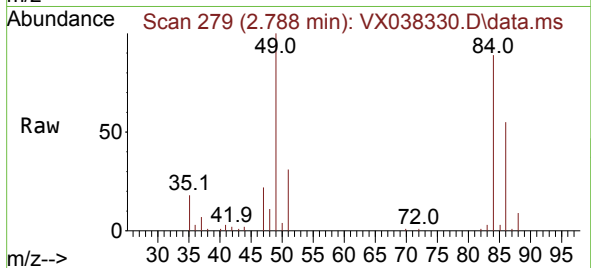
Tgt Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
74 18.1 17.8 26.8



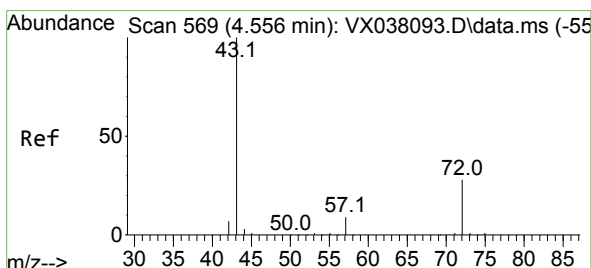
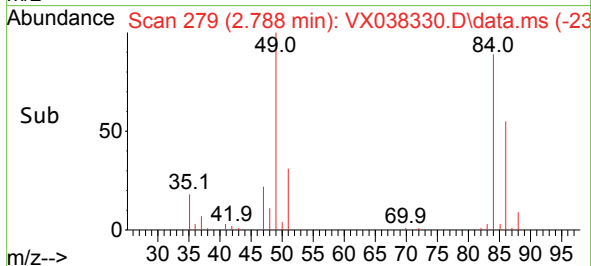
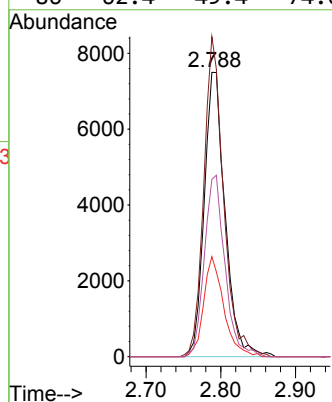


#20
Methylene Chloride
Concen: 9.044 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Instrument :
MSVOA_X
ClientSampleId :

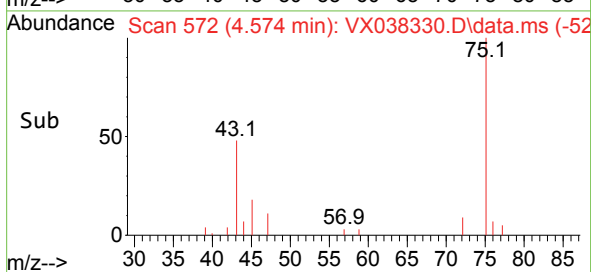
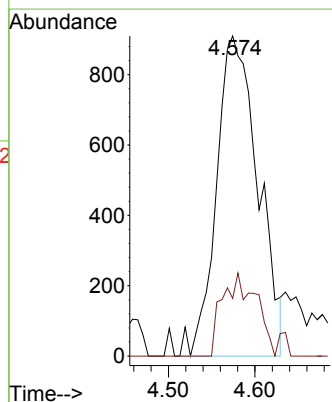
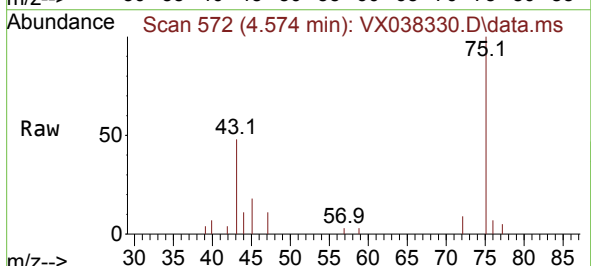


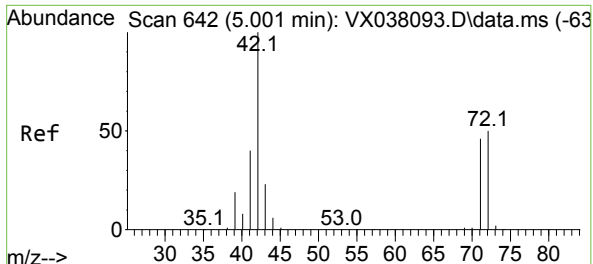
Tgt Ion: 84	Resp: 14505
Ion Ratio	Lower Upper
84 100	
49 112.5	103.6 155.4
51 35.2	33.8 50.6
86 62.4	49.4 74.0



#25
2-Butanone
Concen: 2.206 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Tgt Ion: 43	Resp: 3035		
Ion Ratio	Lower	Upper	
43 100			
72 18.0	19.4	29.2#	





#29

Tetrahydrofuran

Concen: 0.530 ug/l

RT: 5.031 min Scan# 642

Delta R.T. 0.030 min

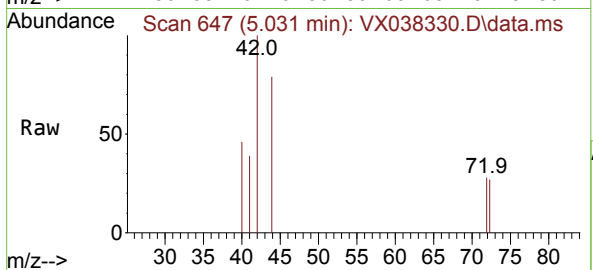
Lab File: VX038330.D

Acq: 17 Oct 2023 15:31

Instrument :

MSVOA_X

ClientSampleId :



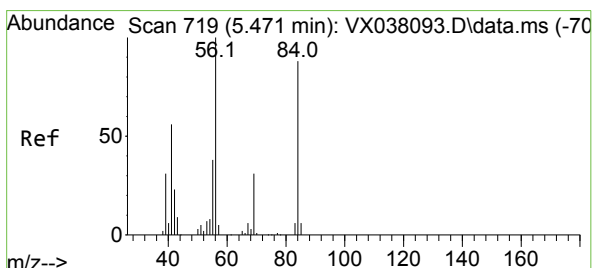
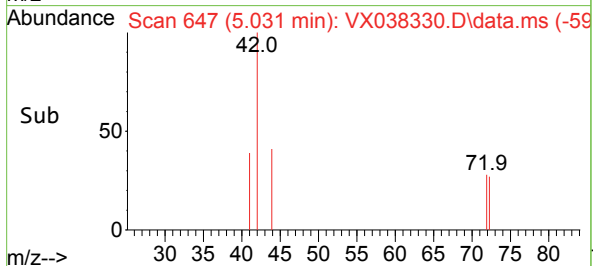
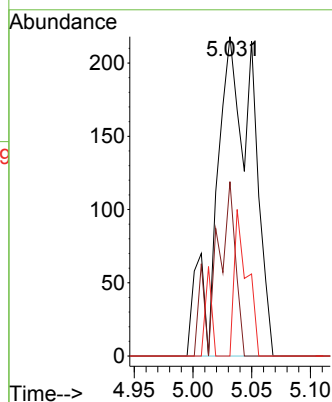
Tgt Ion: 42 Resp: 475

Ion Ratio Lower Upper

42 100

72 29.3 34.2 51.4#

71 16.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.345 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038330.D

Acq: 17 Oct 2023 15:31

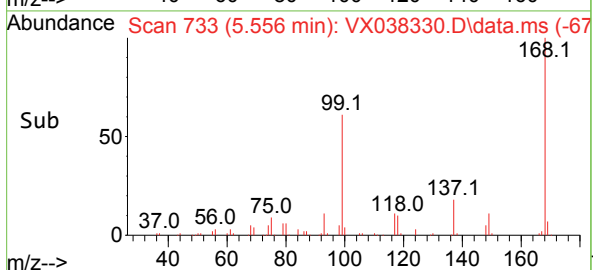
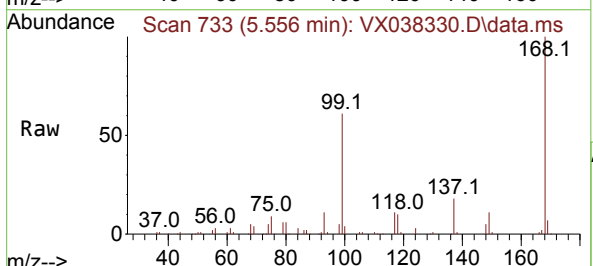
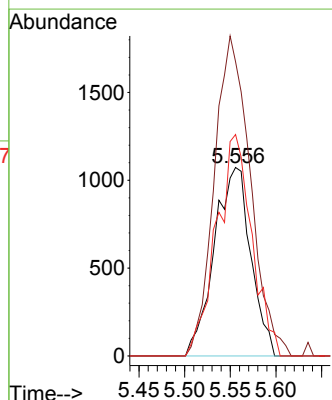
Tgt Ion: 56 Resp: 2976

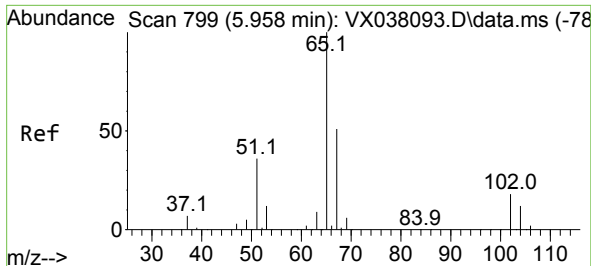
Ion Ratio Lower Upper

56 100

69 156.1 23.4 35.2#

84 117.5 65.9 98.9#

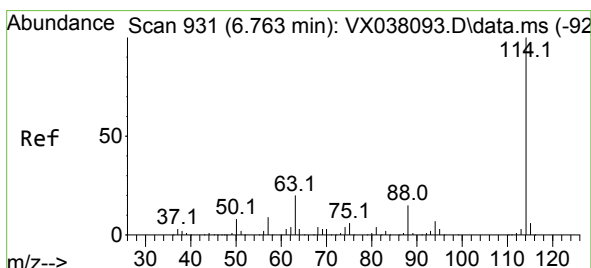
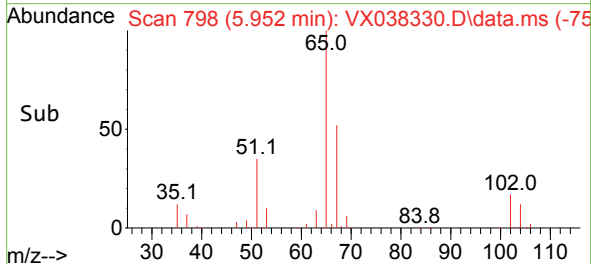
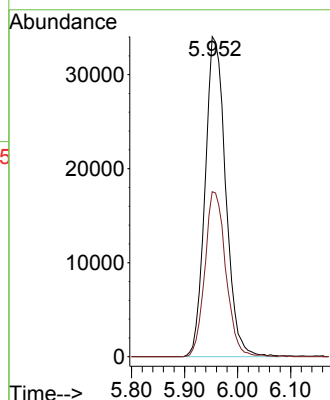
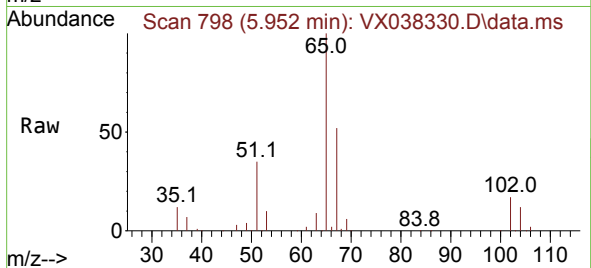




#33
1,2-Dichloroethane-d4
Concen: 44.885 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

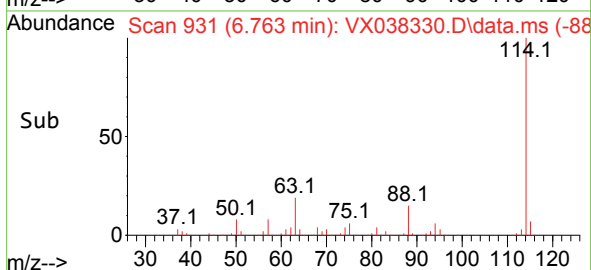
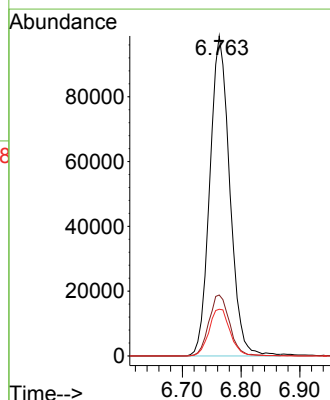
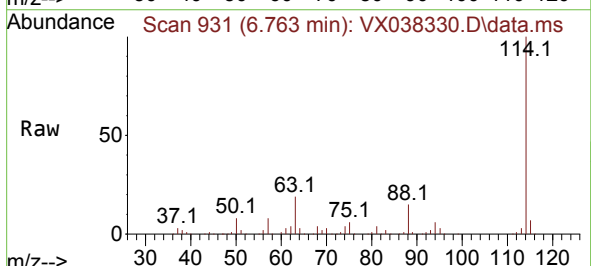
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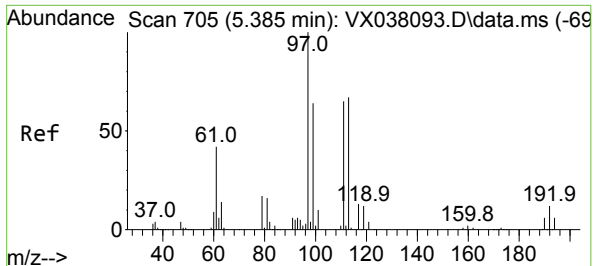
Tgt Ion: 65 Resp: 91700
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

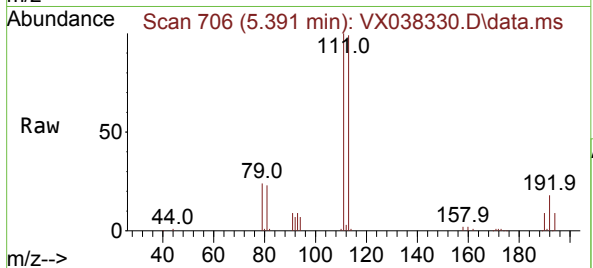
Tgt Ion:114 Resp: 232977
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 14.6 0.0 36.6



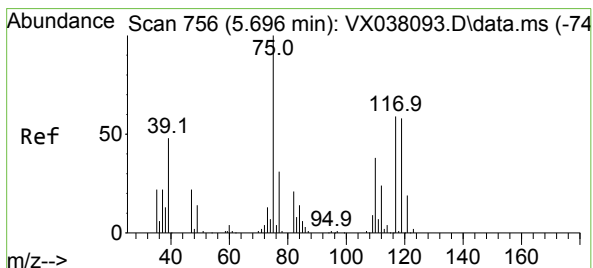
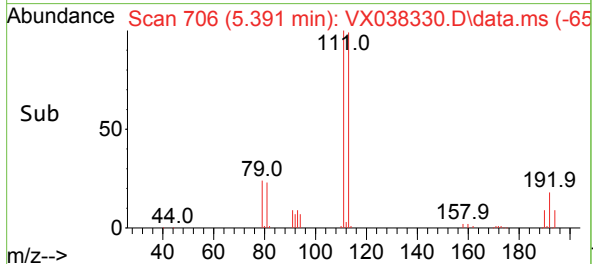
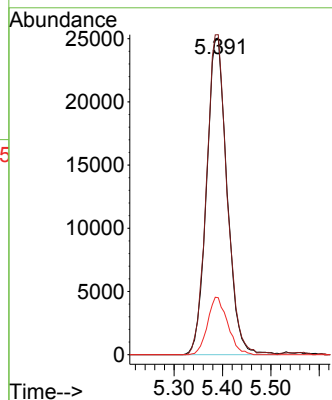


#35
Dibromofluoromethane
Concen: 43.856 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Instrument :
MSVOA_X
ClientSampleId :

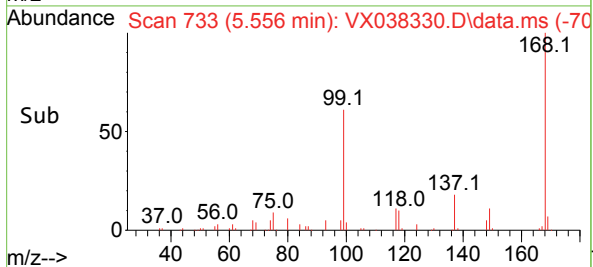
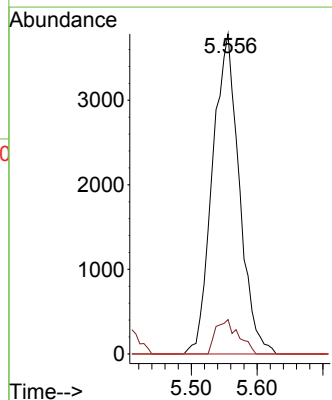
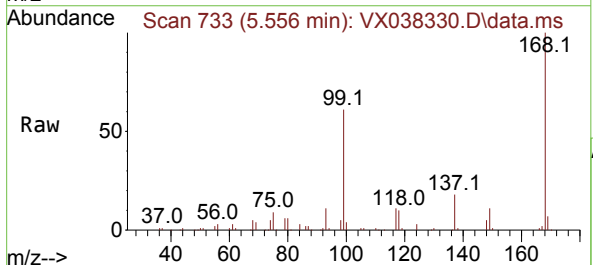


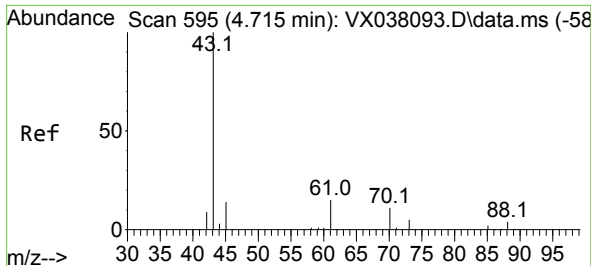
Tgt Ion:113 Resp: 73623
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 17.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.631 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Tgt Ion: 75 Resp: 10721
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.870 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

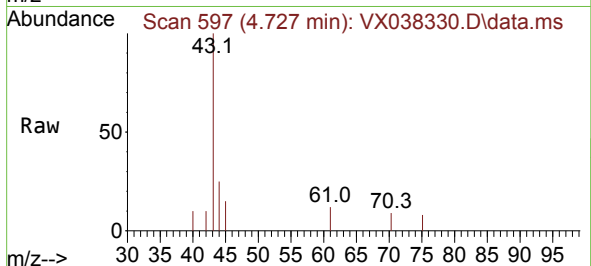
Lab File: VX038330.D

Acq: 17 Oct 2023 15:31

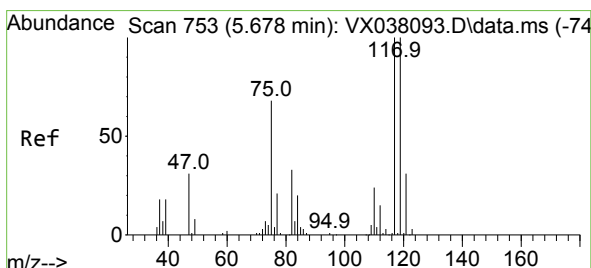
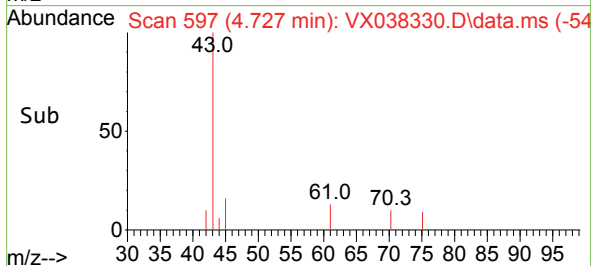
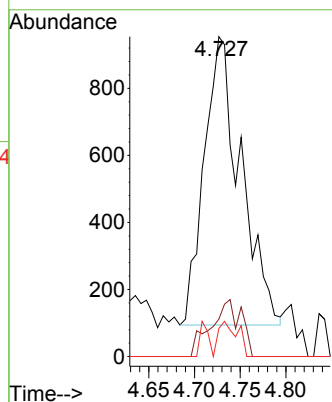
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2393
Ion Ratio	Lower Upper
43	100
61	16.3 10.6 16.0#
70	6.4 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.033 ug/l

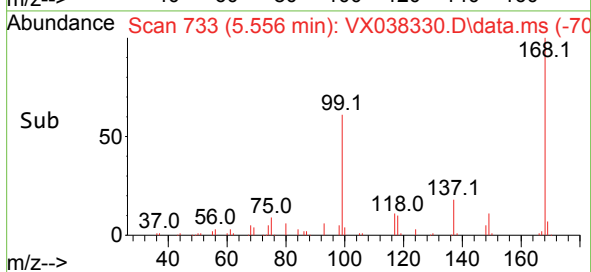
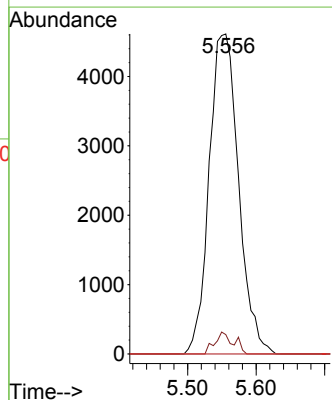
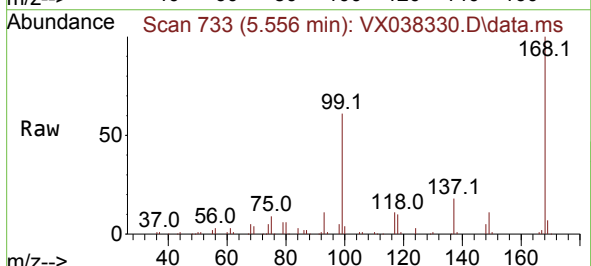
RT: 5.556 min Scan# 733

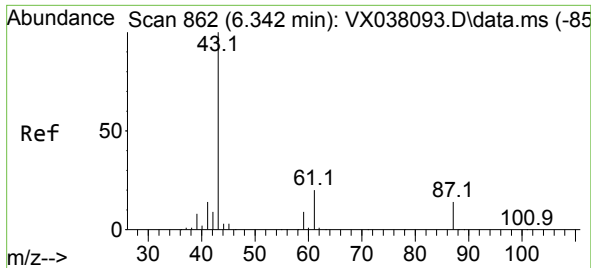
Delta R.T. -0.122 min

Lab File: VX038330.D

Acq: 17 Oct 2023 15:31

Tgt Ion: 117	Resp: 13740
Ion Ratio	Lower Upper
117	100
119	6.0 78.2 117.2#
121	0.0 24.4 36.6#

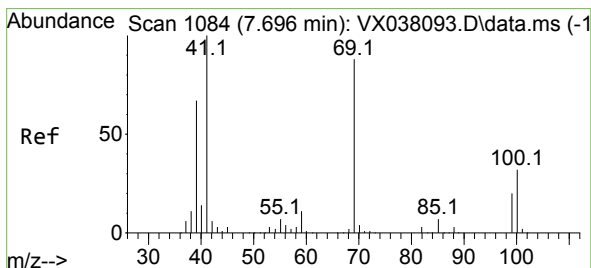
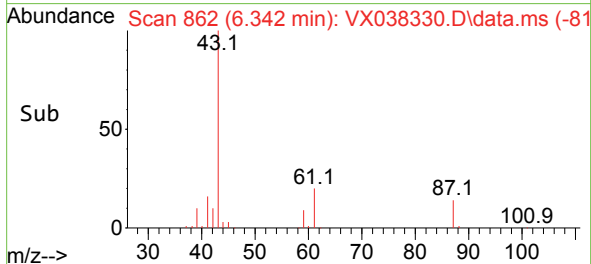
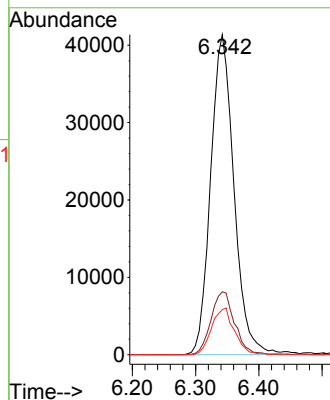
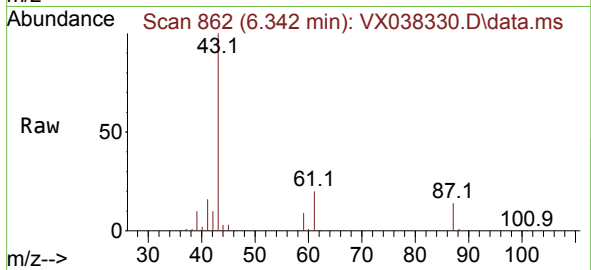




#43
Isopropyl Acetate
Concen: 25.787 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

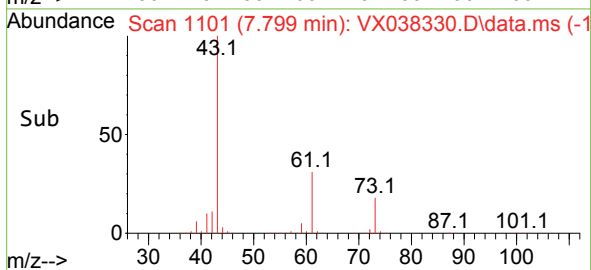
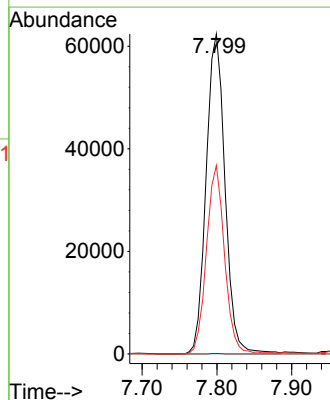
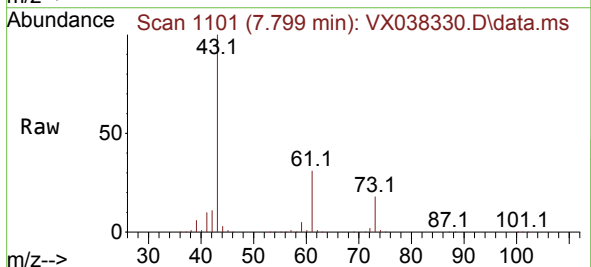
Instrument :
MSVOA_X
ClientSampleId :

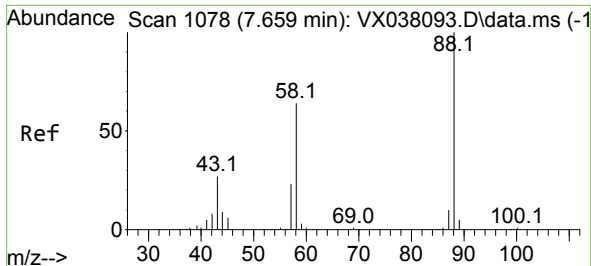
Tgt Ion: 43 Resp: 105839
Ion Ratio Lower Upper
43 100
61 19.8 15.2 22.8
87 14.2 9.8 14.6



#48
Methyl methacrylate
Concen: 55.861 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Tgt Ion: 41 Resp: 109451
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 56.7 47.7 71.5

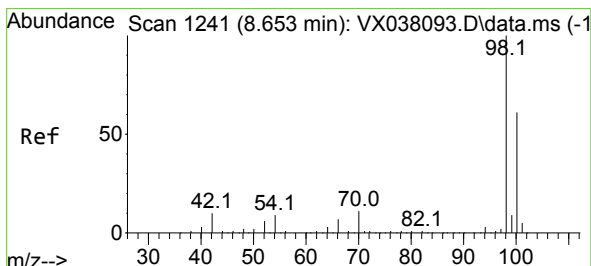
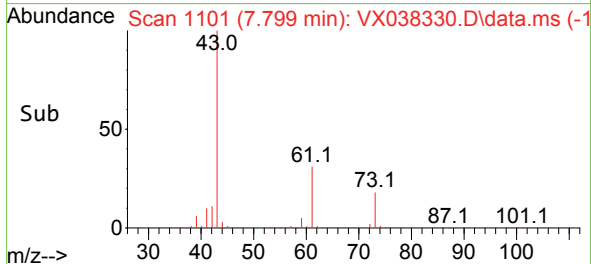
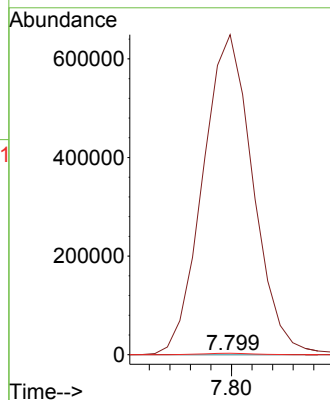
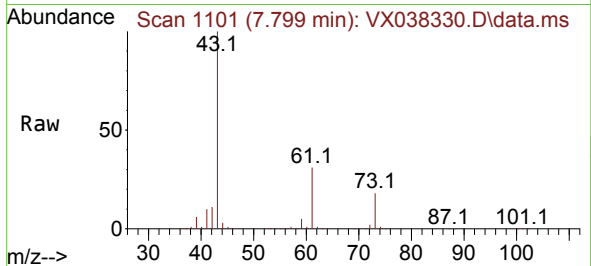




#49
1,4-Dioxane
Concen: 2.900 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

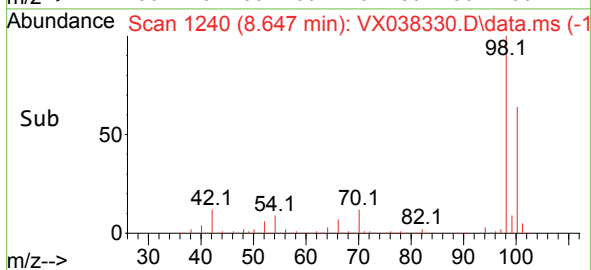
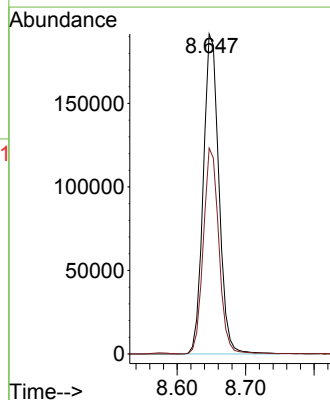
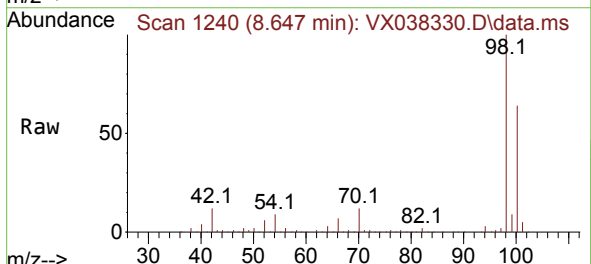
Instrument :
MSVOA_X
ClientSampleId :

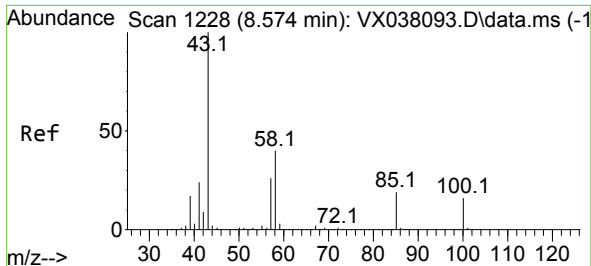
Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
43 796937.1 0.0 0.0#
58 3513.6 60.1 90.1#



#50
Toluene-d8
Concen: 47.470 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Tgt Ion: 98 Resp: 304513
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

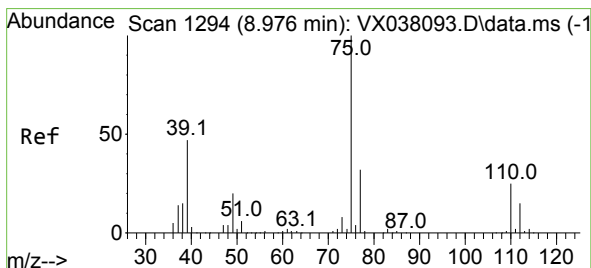
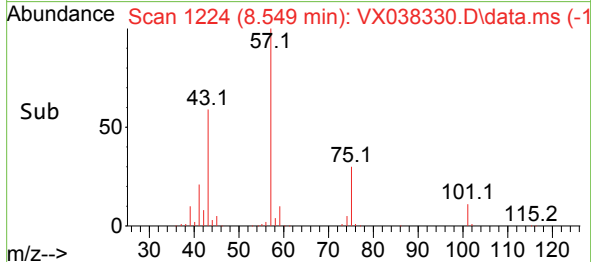
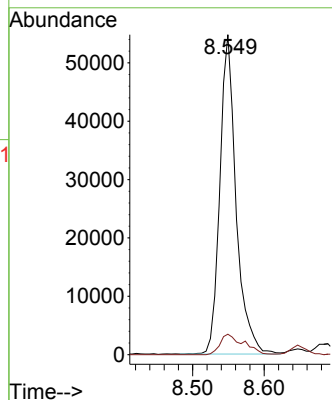
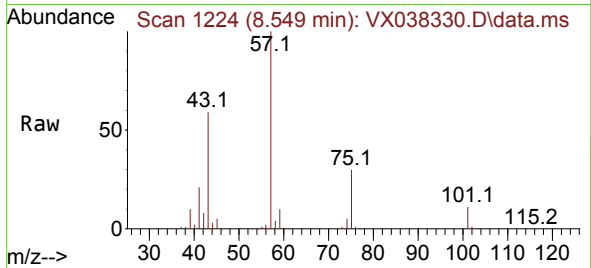




#51
4-Methyl-2-Pentanone
Concen: 30.529 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

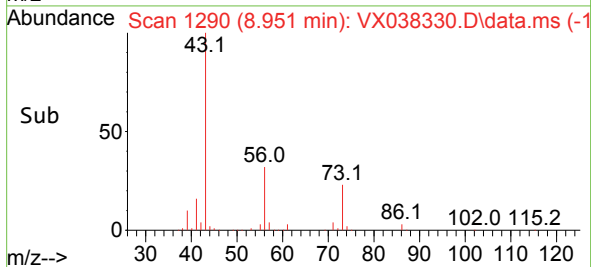
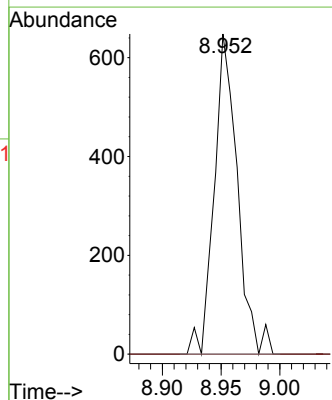
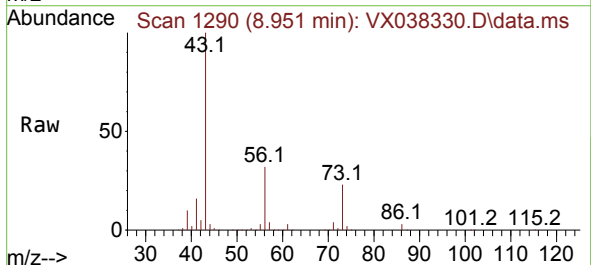
Instrument :
MSVOA_X
ClientSampleId :

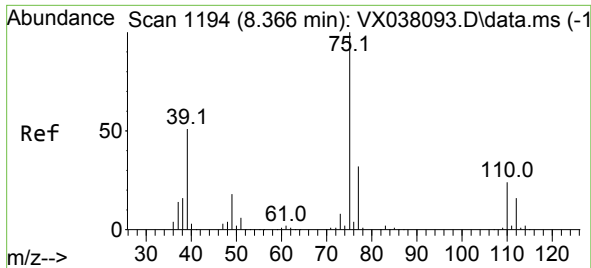
Tgt Ion: 43 Resp: 86428
Ion Ratio Lower Upper
43 100
58 9.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.358 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Tgt Ion: 75 Resp: 888
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

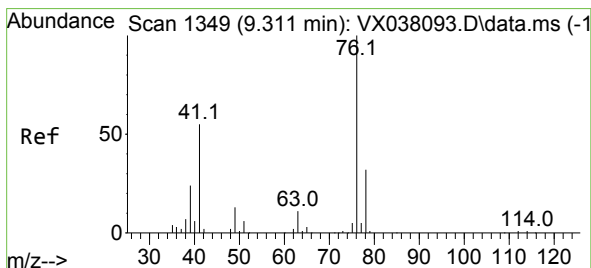
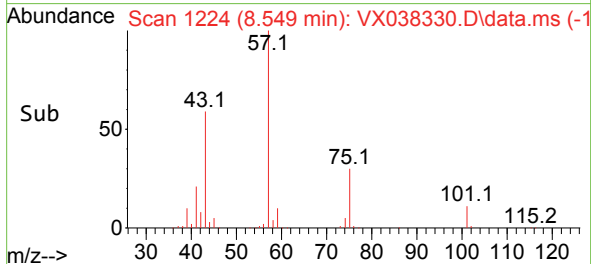
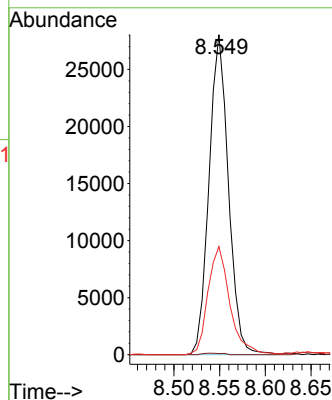
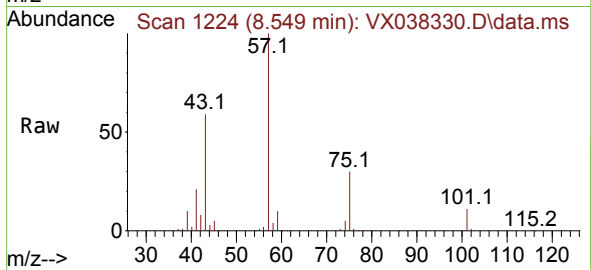




#54
 cis-1,3-Dichloropropene
 Concen: 15.860 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038330.D
 Acq: 17 Oct 2023 15:31

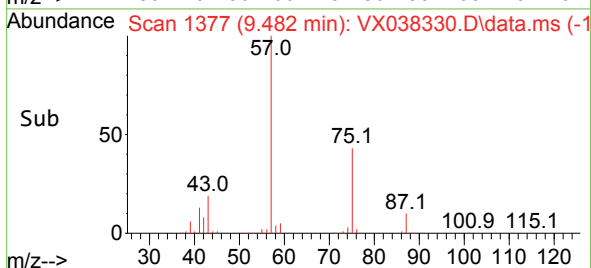
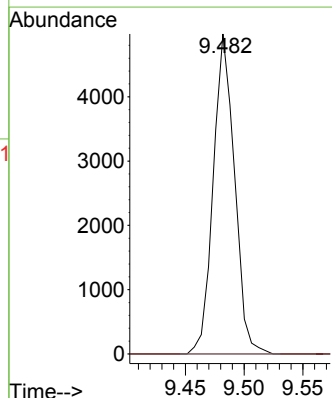
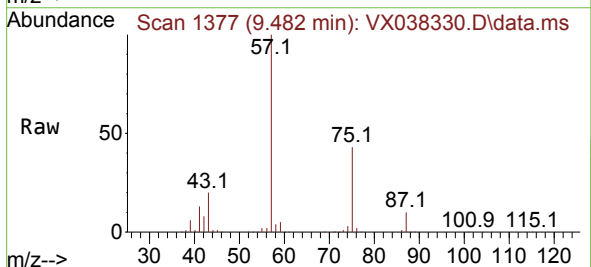
Instrument :
 MSVOA_X
 ClientSampleId :

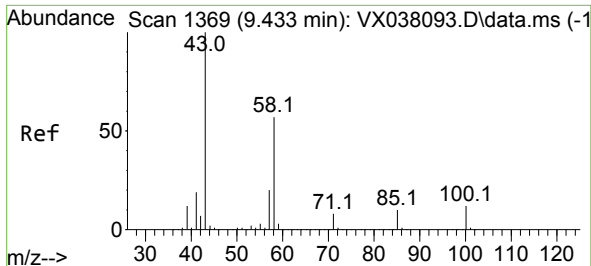
Tgt Ion: 75 Resp: 41356
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 33.8 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.154 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX038330.D
 Acq: 17 Oct 2023 15:31

Tgt Ion: 76 Resp: 6285
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

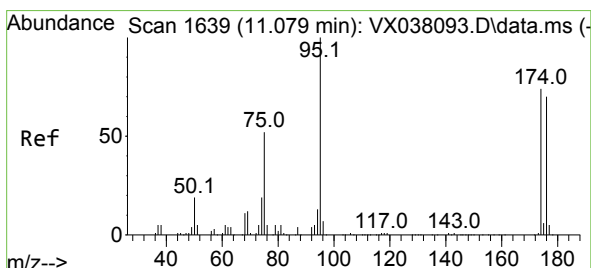
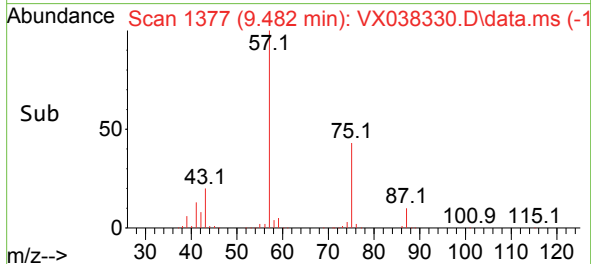
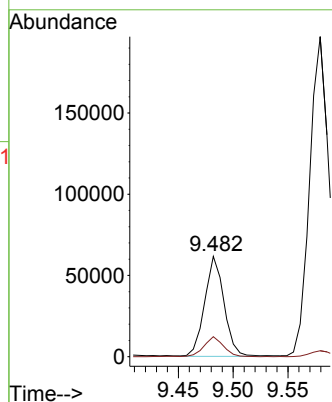
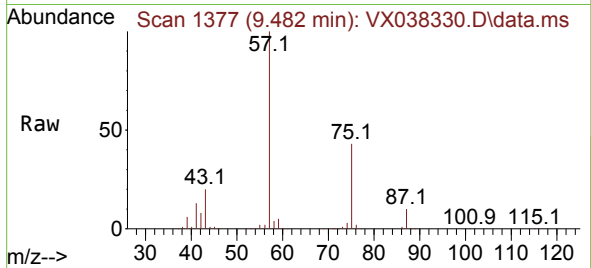




#59
2-Hexanone
Concen: 33.480 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

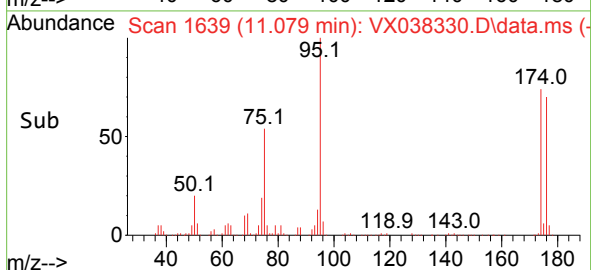
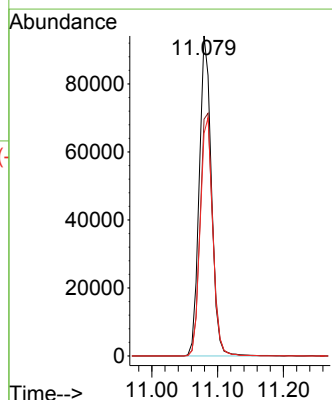
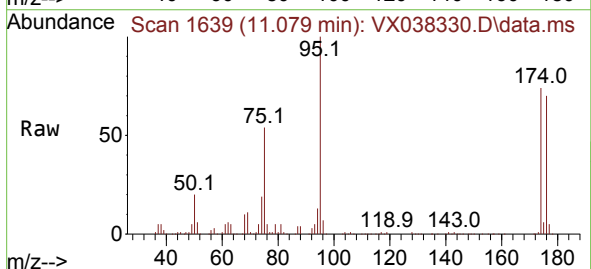
Instrument :
MSVOA_X
ClientSampleId :

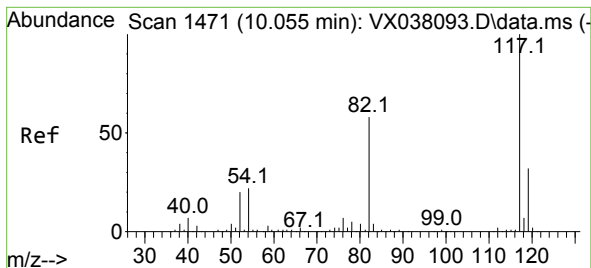
Tgt Ion: 43 Resp: 76198
Ion Ratio Lower Upper
43 100
58 20.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.742 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038330.D
Acq: 17 Oct 2023 15:31

Tgt Ion: 95 Resp: 120970
Ion Ratio Lower Upper
95 100
174 79.2 0.0 135.6
176 76.9 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: VX038330.D

Acq: 17 Oct 2023 15:31

Instrument :

MSVOA_X

ClientSampleId :

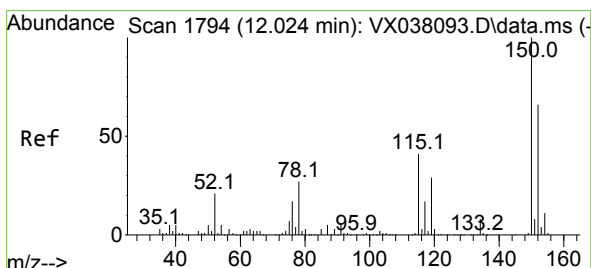
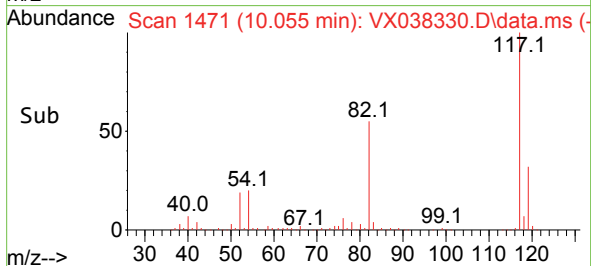
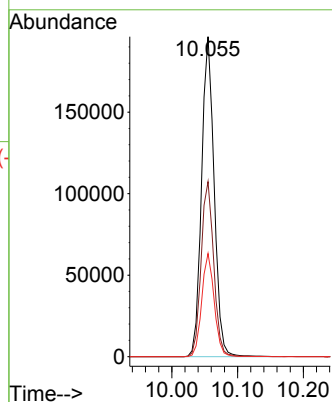
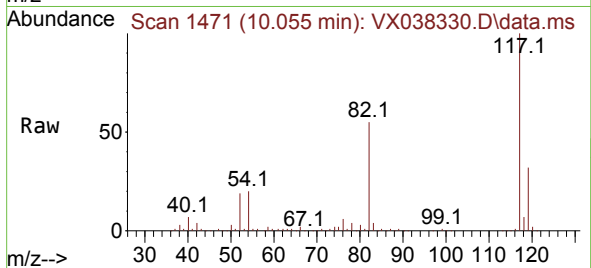
Tgt Ion:117 Resp: 260851

Ion Ratio Lower Upper

117 100

82 54.7 46.2 69.4

119 32.3 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: VX038330.D

Acq: 17 Oct 2023 15:31

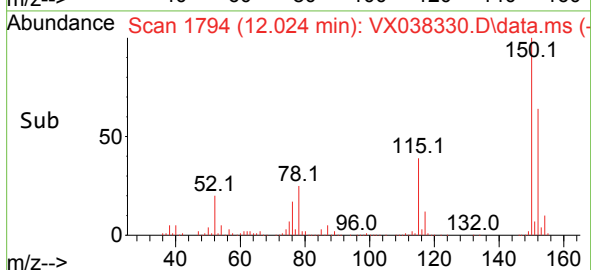
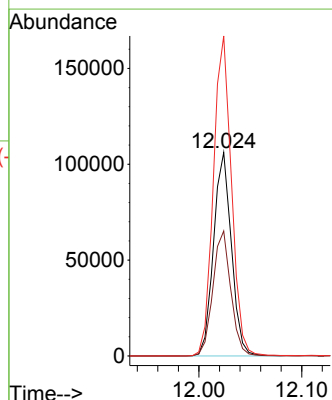
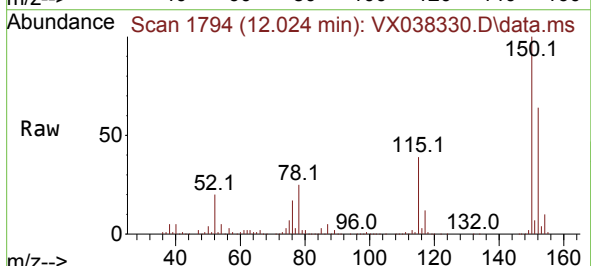
Tgt Ion:152 Resp: 127756

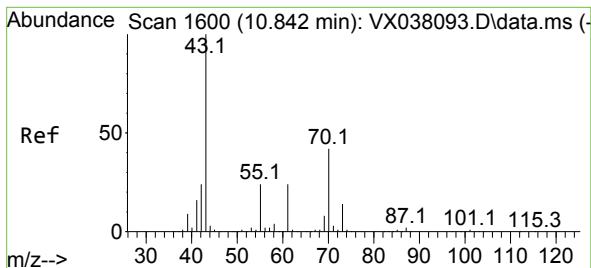
Ion Ratio Lower Upper

152 100

115 61.8 43.3 129.9

150 159.5 0.0 345.0





#74

N-ethyl acetate

Concen: 6.565 ug/l

RT: 10.640 min Scan# 1639

Delta R.T. -0.202 min

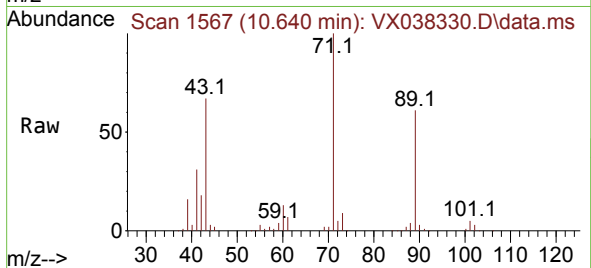
Lab File: VX038330.D

Acq: 17 Oct 2023 15:31

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 24019

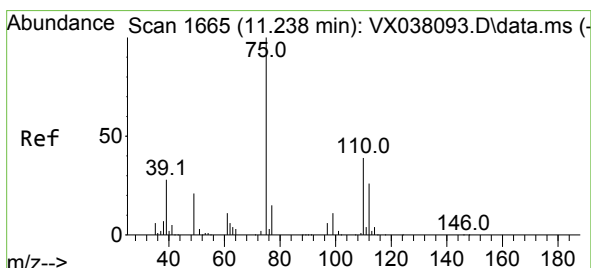
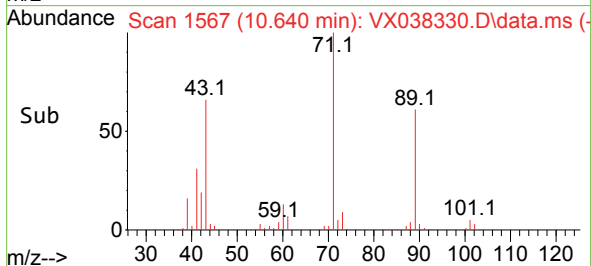
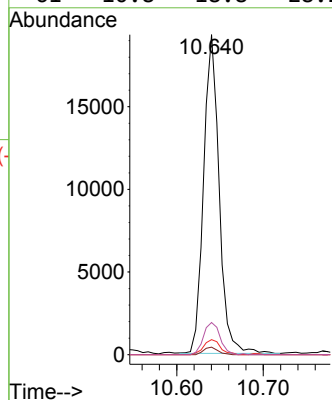
Ion Ratio Lower Upper

43 100

70 2.2 32.9 49.3#

55 5.1 19.3 28.9#

61 10.8 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 22.246 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038330.D

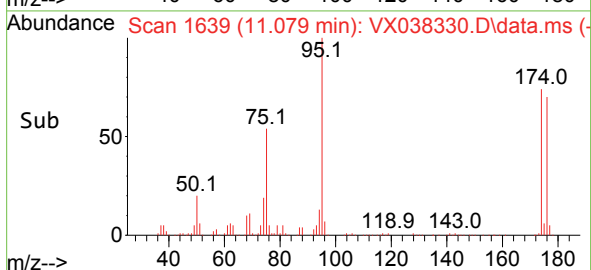
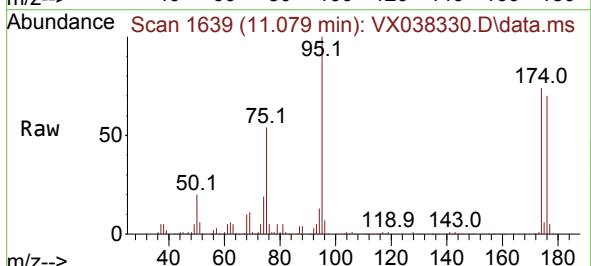
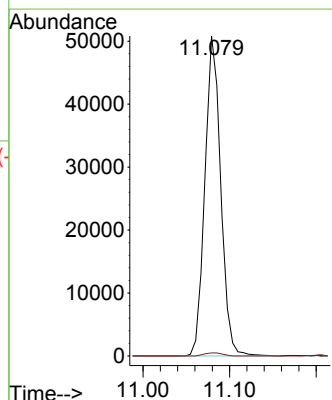
Acq: 17 Oct 2023 15:31

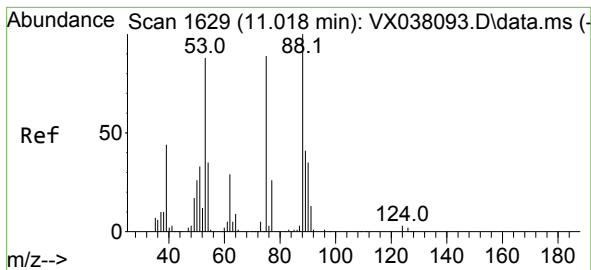
Tgt Ion: 75 Resp: 64611

Ion Ratio Lower Upper

75 100

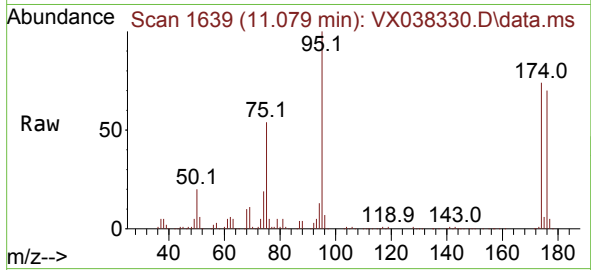
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.751 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038330.D
 Acq: 17 Oct 2023 15:31

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 64611
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

