

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101323\
 Data File : VX038278.D
 Acq On : 13 Oct 2023 12:10
 Operator : JC/MD
 Sample : 04884-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Oct 13 23:12:10 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)

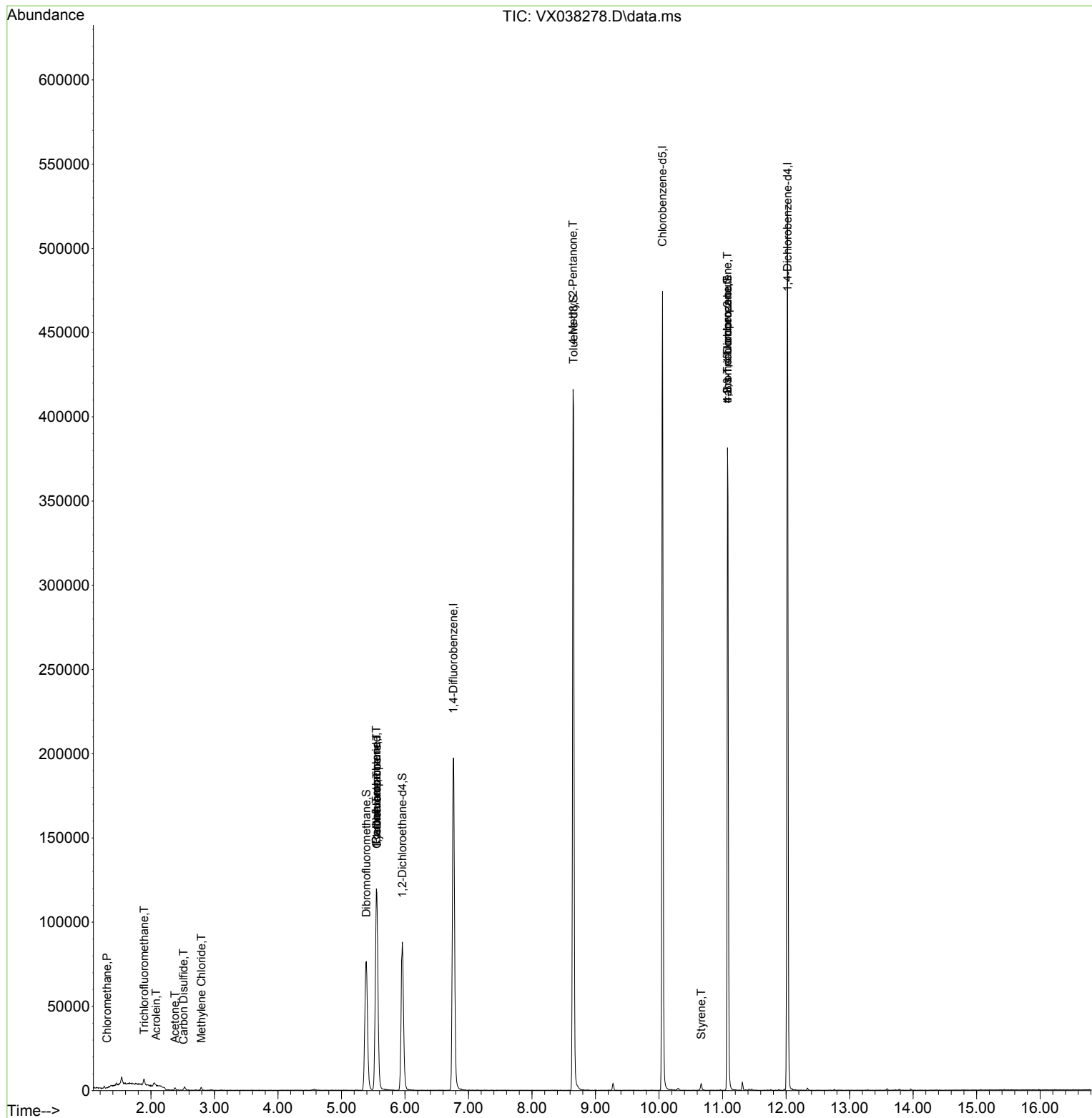
Internal Standards						
1) Pentafluorobenzene	5.550	168	113053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206185	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83978	46.183	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.360%
35) Dibromofluoromethane	5.391	113	67213	45.240	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.480%
50) Toluene-d8	8.653	98	261302	46.027	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.060%
62) 4-Bromofluorobenzene	11.079	95	100495	46.692	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.380%
Target Compounds						Qvalue
3) Chloromethane	1.307	50	256	0.230	ug/l	98
5) Bromomethane	1.544	94	109	Below Cal	#	3
6) Chloroethane	1.697	64	383	Below Cal	#	43
7) Trichlorofluoromethane	1.892	101	2052	0.842	ug/l	99
11) Tert butyl alcohol	2.947	59	118	Below Cal	#	78
13) Acrolein	2.081	56	59	0.228	ug/l	# 63
16) Acetone	2.380	43	1305	1.720	ug/l	97
17) Carbon Disulfide	2.514	76	607	0.204	ug/l	# 76
20) Methylene Chloride	2.794	84	659	0.462	ug/l	# 83
31) Cyclohexane	5.556	56	2764	1.403	ug/l	# 34
36) 1,1-Dichloropropene	5.556	75	9549	4.661	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	12122	6.015	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.647	43	1210	0.483	ug/l	# 1
70) Styrene	10.665	104	2075	0.429	ug/l	# 81
76) 1,2,3-Trichloropropane	11.079	75	55032	22.023	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	55032	63.153	ug/l	# 5

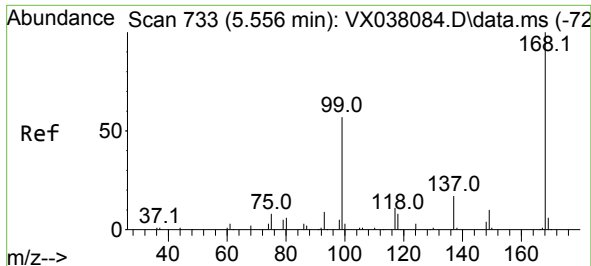
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 13 23:12:10 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

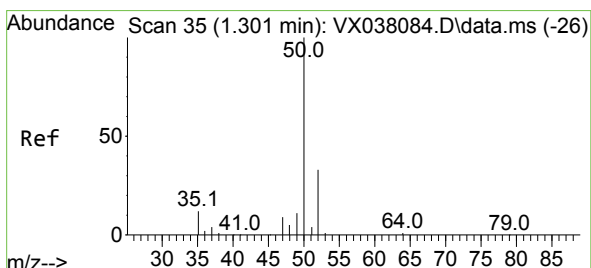
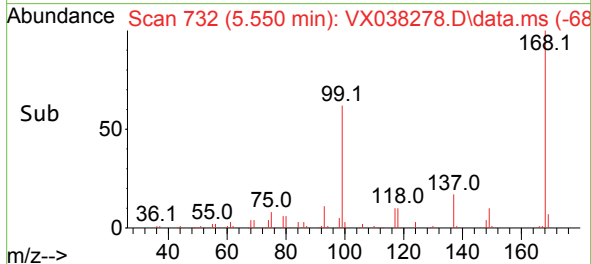
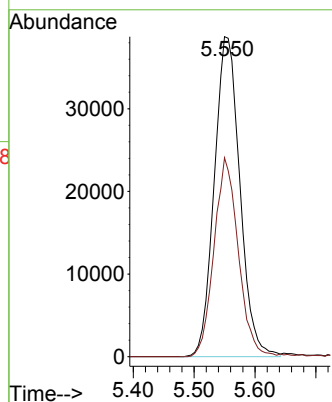
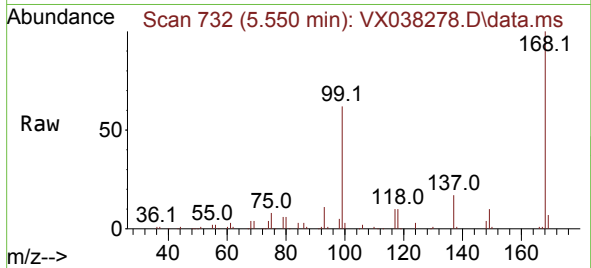




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

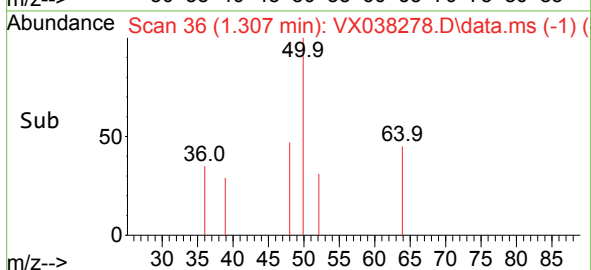
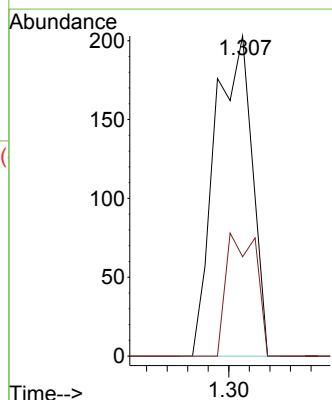
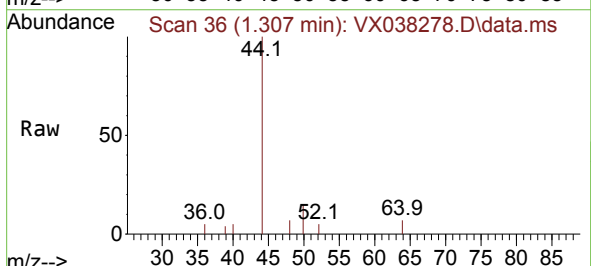
Instrument :
MSVOA_X
ClientSampleId :
TB

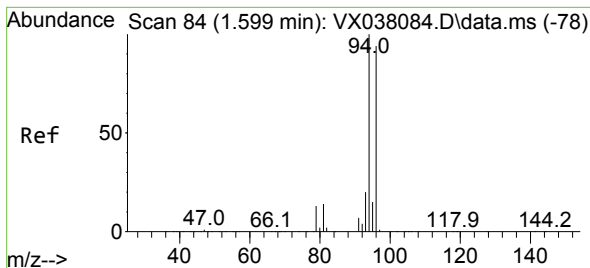
Tgt Ion:168 Resp: 113053
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 31.0 25.5 38.3





#5

Bromomethane

Concen: Below Cal

RT: 1.544 min Scan# 71

Delta R.T. -0.055 min

Lab File: VX038278.D

Acq: 13 Oct 2023 12:10

Instrument :

MSVOA_X

ClientSampleId :

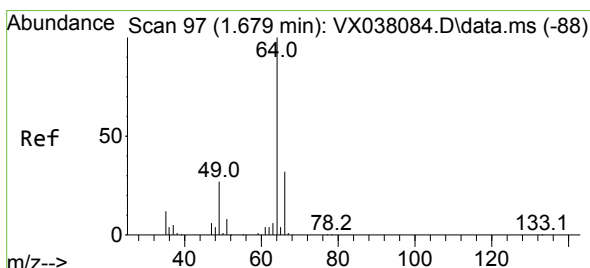
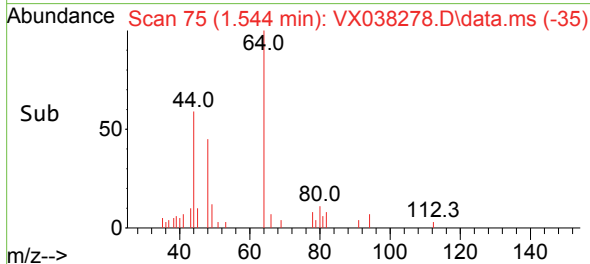
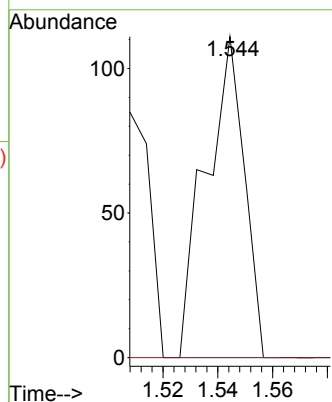
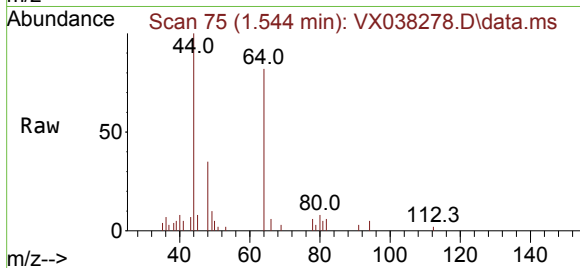
TB

Tgt Ion: 94 Resp: 109

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.697 min Scan# 100

Delta R.T. 0.018 min

Lab File: VX038278.D

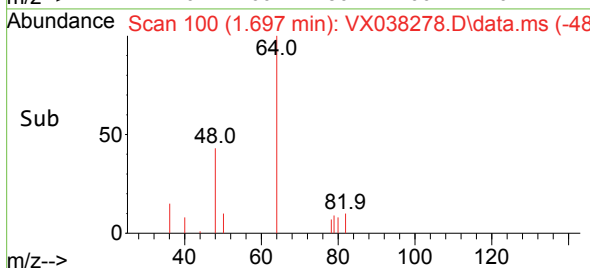
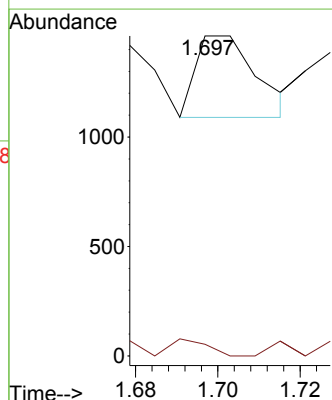
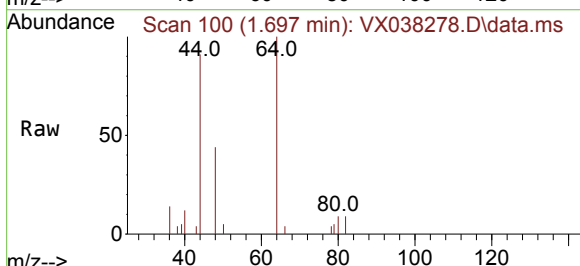
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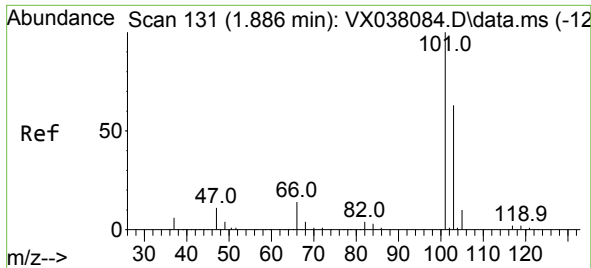
Tgt Ion: 64 Resp: 383

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

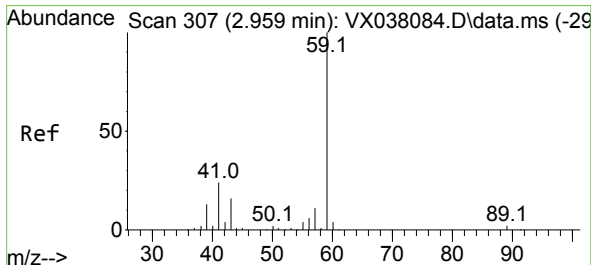
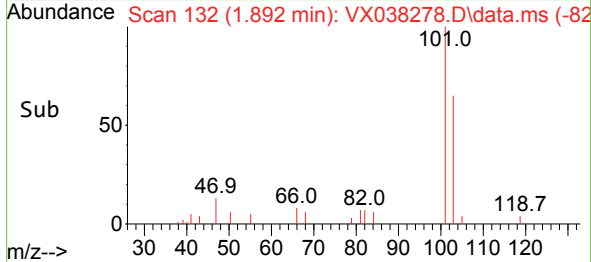
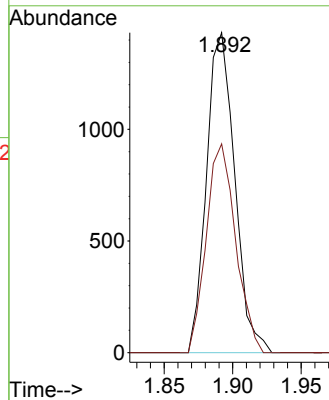
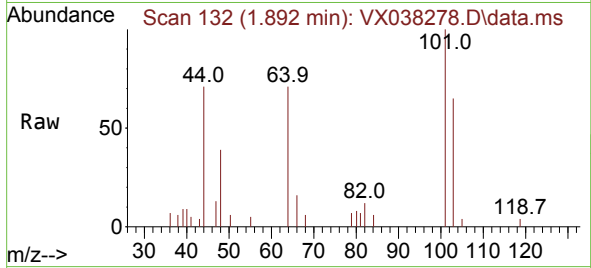




#7
Trichlorofluoromethane
Concen: 0.842 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

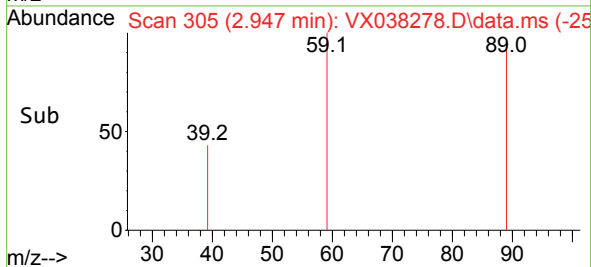
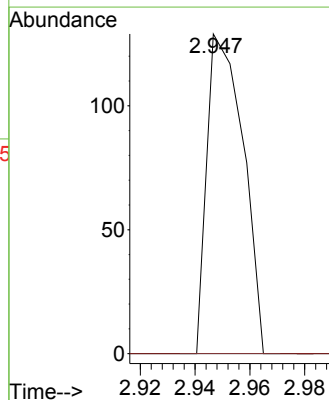
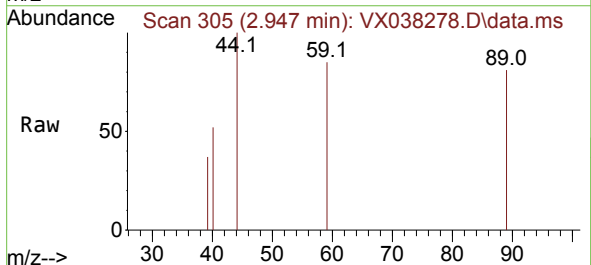
Instrument :
MSVOA_X
ClientSampleId :
TB

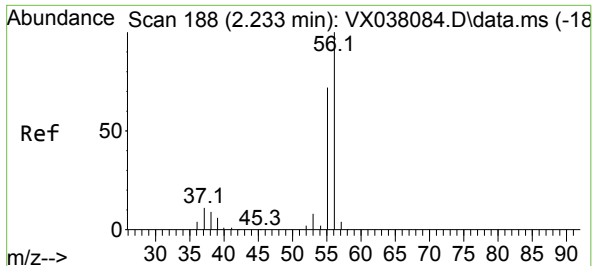
Tgt Ion:101 Resp: 2052
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

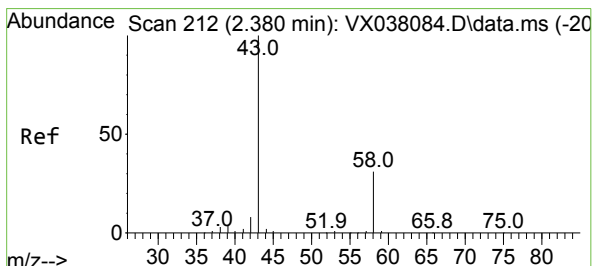
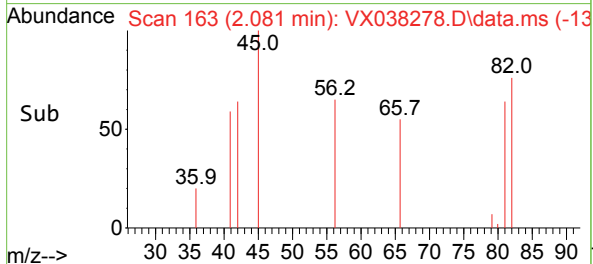
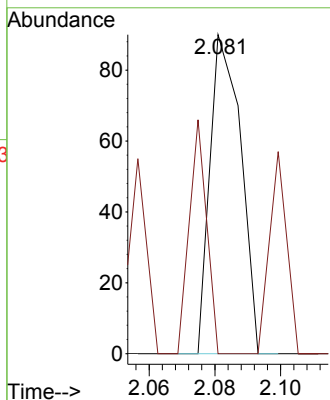
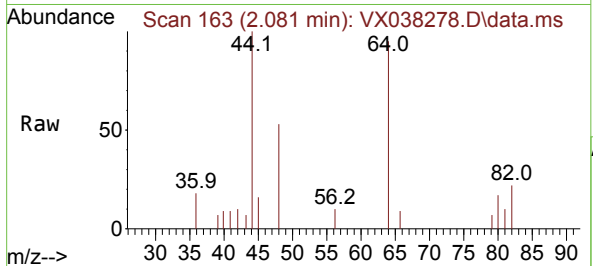




#13
Acrolein
Concen: 0.228 ug/l
RT: 2.081 min Scan# 11
Delta R.T. -0.152 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

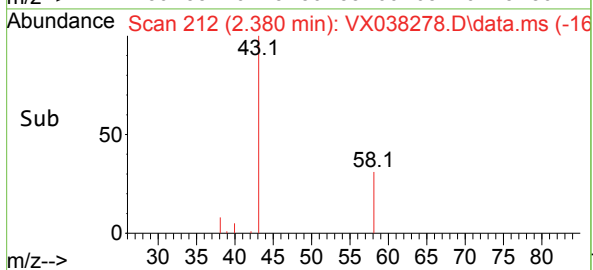
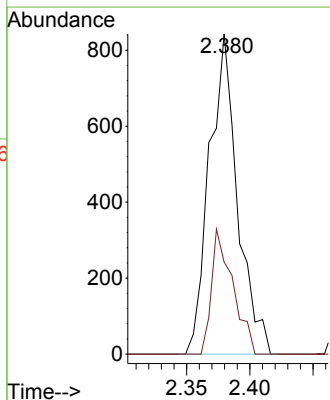
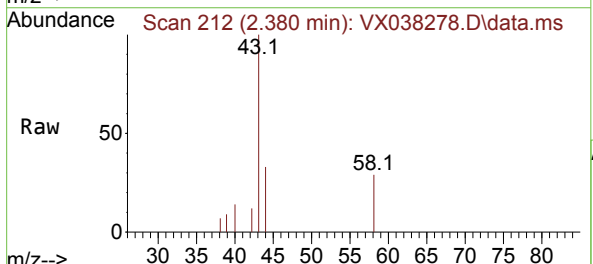
Instrument :
MSVOA_X
ClientSampleId :
TB

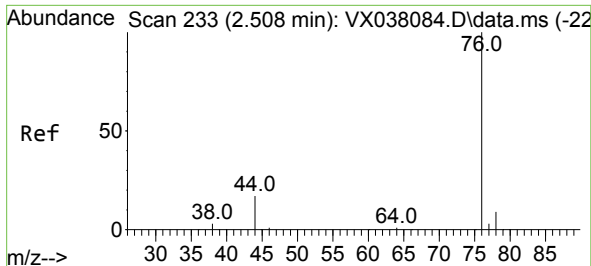
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 40.7 57.1 85.7#



#16
Acetone
Concen: 1.720 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Tgt Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
58 28.7 21.9 32.9





#17

Carbon Disulfide

Concen: 0.204 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038278.D

Acq: 13 Oct 2023 12:10

Instrument :

MSVOA_X

ClientSampleId :

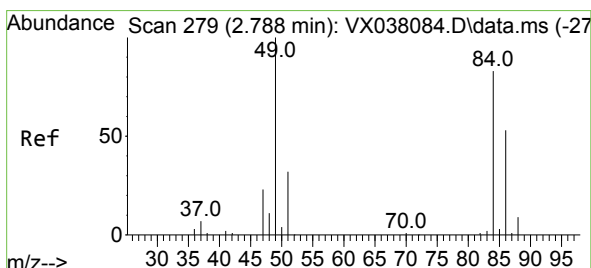
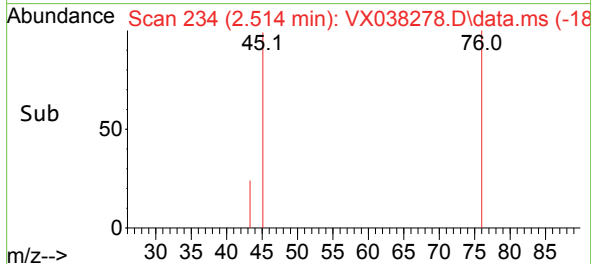
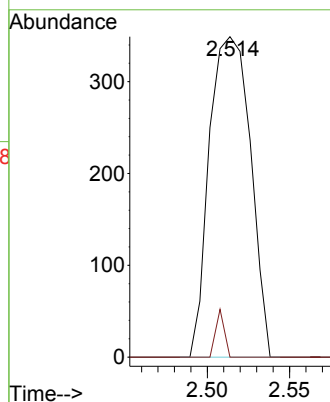
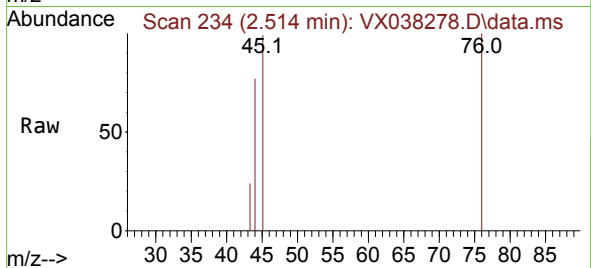
TB

Tgt Ion: 76 Resp: 607

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.462 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX038278.D

Acq: 13 Oct 2023 12:10

Tgt Ion: 84 Resp: 659

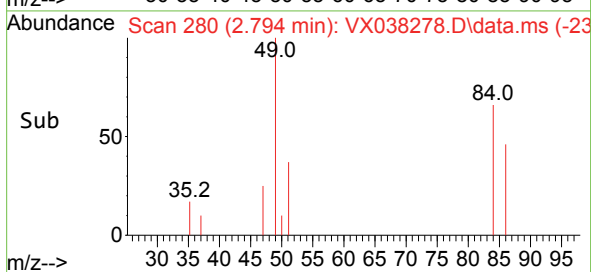
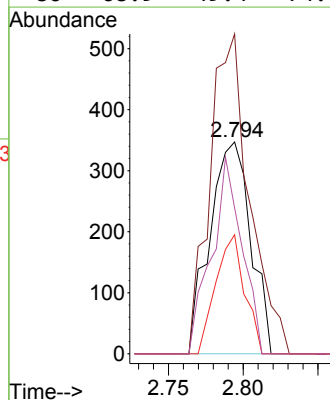
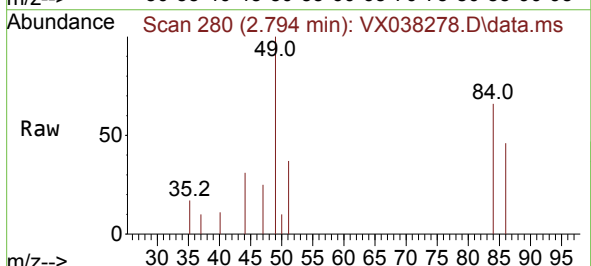
Ion Ratio Lower Upper

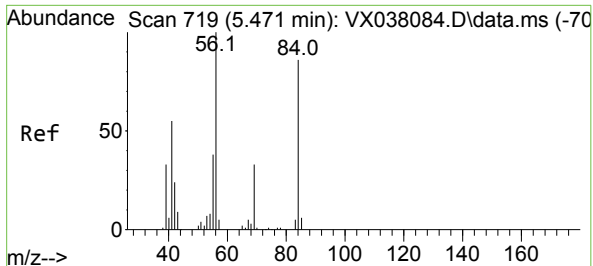
84 100

49 151.0 103.6 155.4

51 56.2 33.8 50.6#

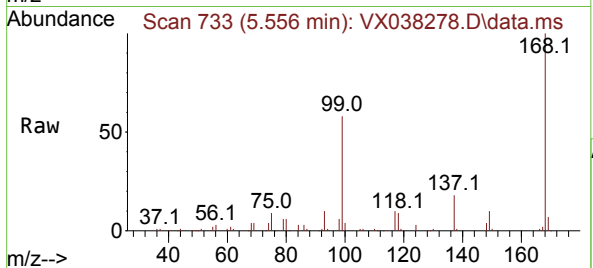
86 68.9 49.4 74.0



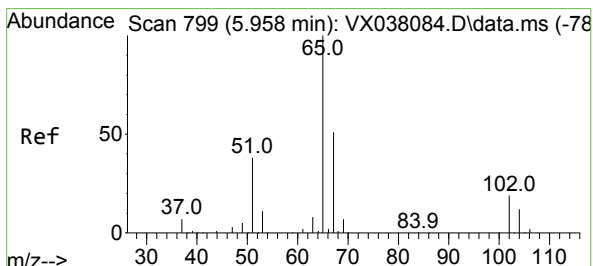
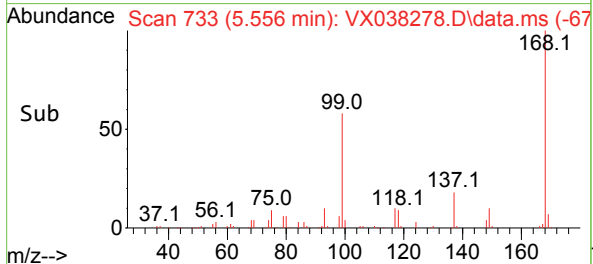
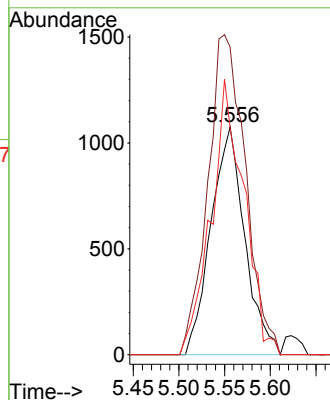


#31
Cyclohexane
Concen: 1.403 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB

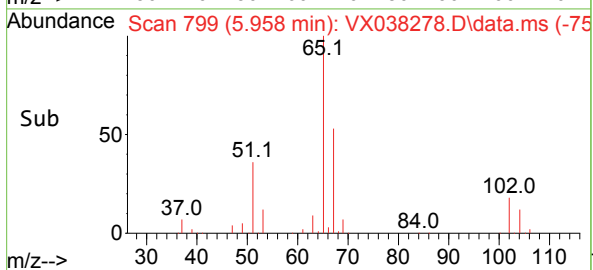
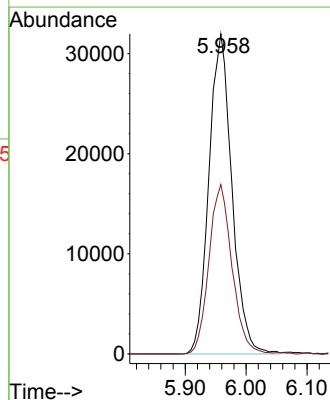
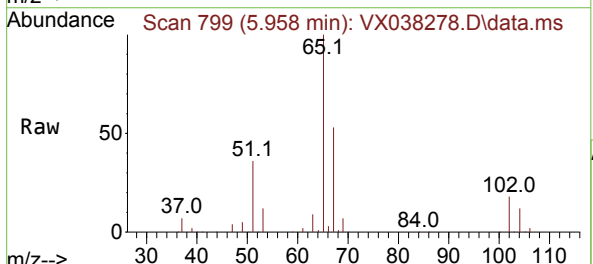


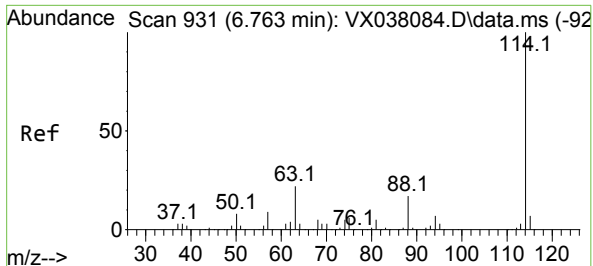
Tgt Ion: 56 Resp: 2764
Ion Ratio Lower Upper
56 100
69 135.1 23.4 35.2#
84 99.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.183 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Tgt Ion: 65 Resp: 83978
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2

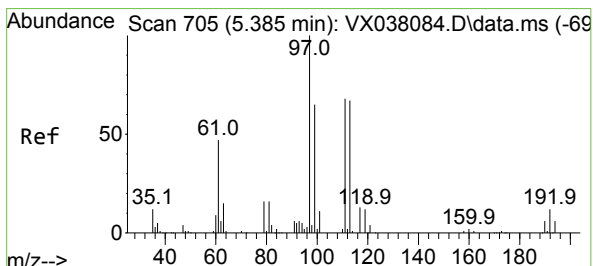
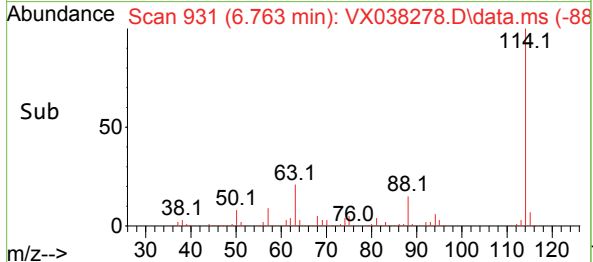
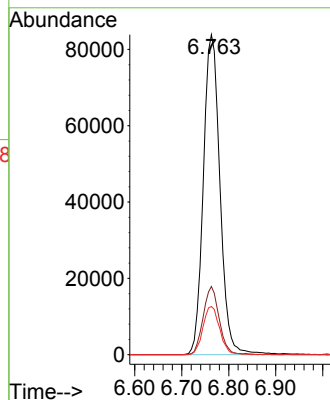
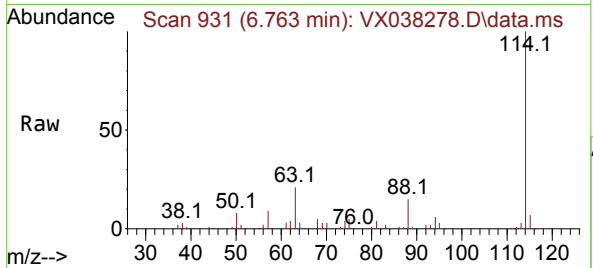




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

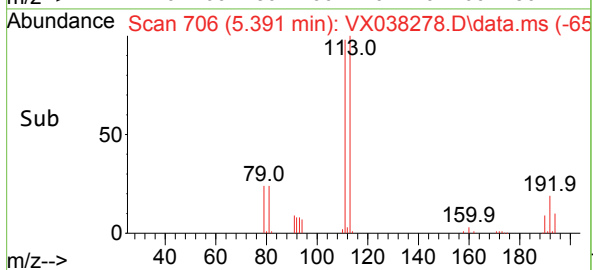
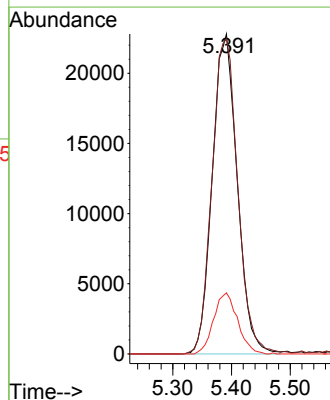
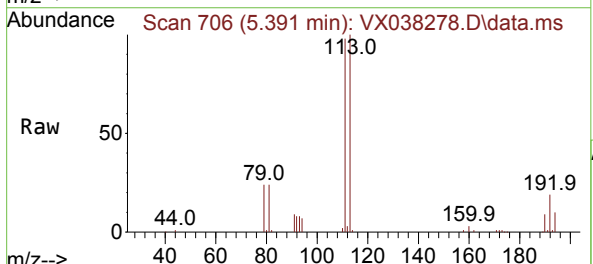
Instrument :
MSVOA_X
ClientSampleId :
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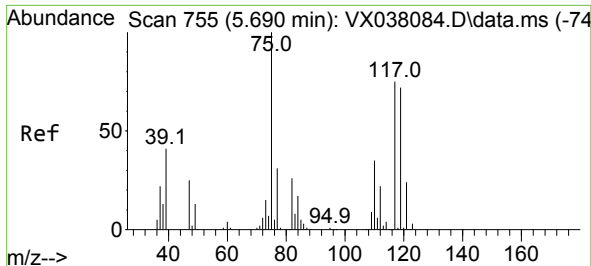
Tgt Ion:114 Resp: 206185
Ion Ratio Lower Upper
114 100
63 21.3 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.240 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Tgt Ion:113 Resp: 67213
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.3 13.3 19.9

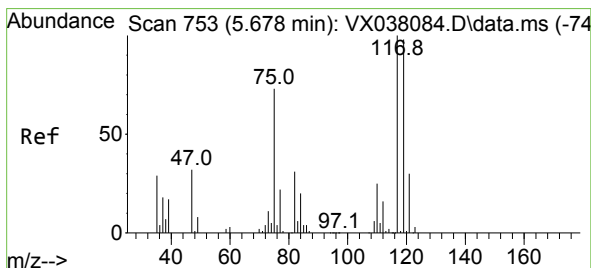
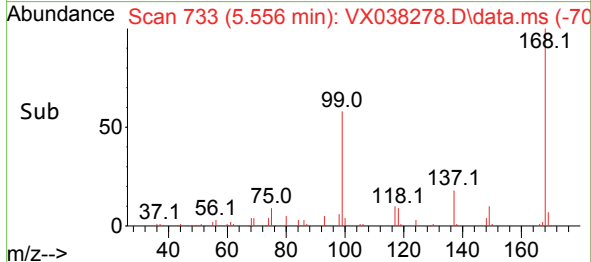
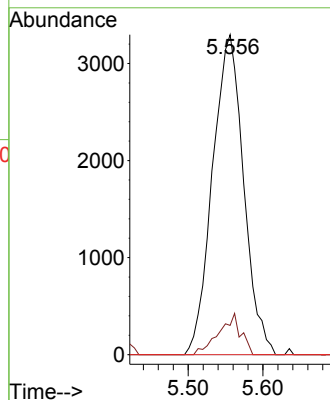
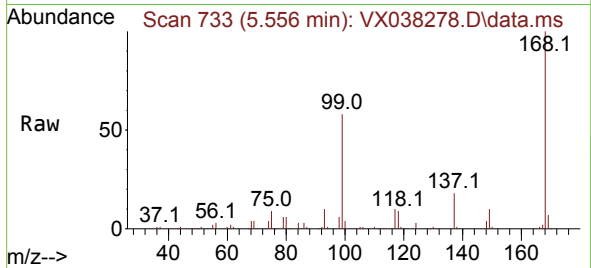




#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

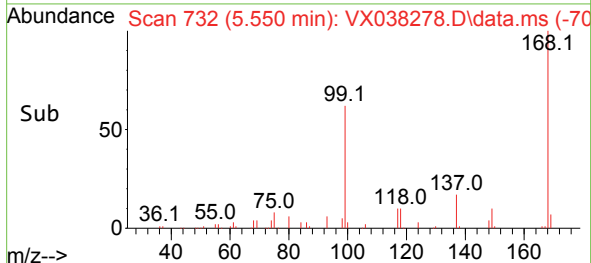
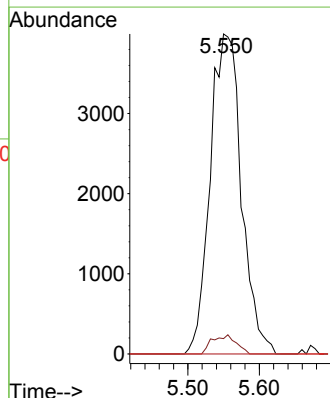
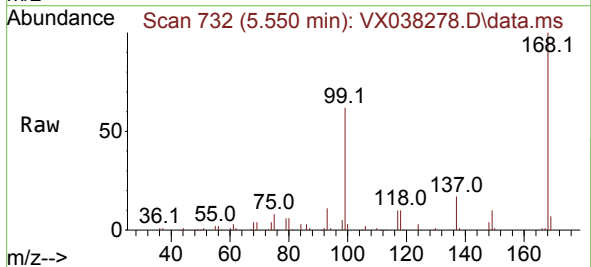
Instrument :
MSVOA_X
ClientSampleId :
TB

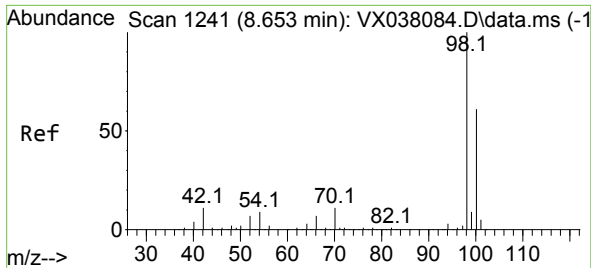
Tgt Ion: 75 Resp: 9549
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.015 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Tgt Ion: 117 Resp: 12122
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#

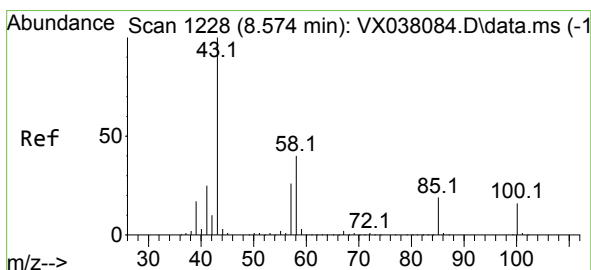
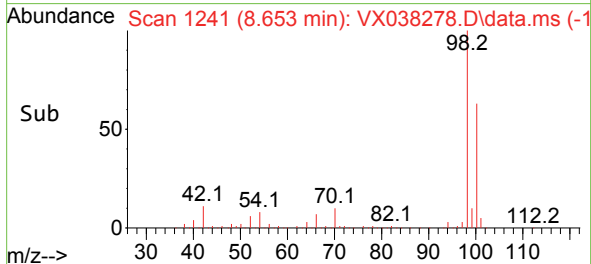
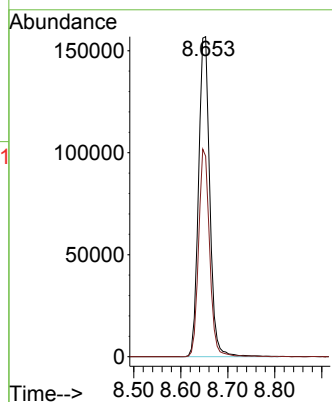
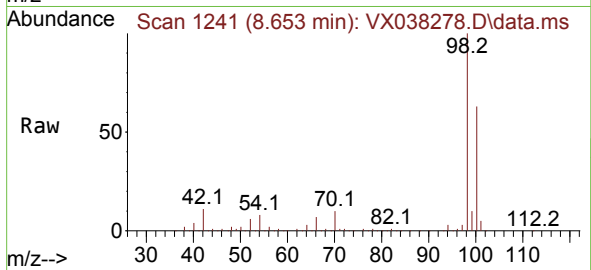




#50
Toluene-d8
Concen: 46.027 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

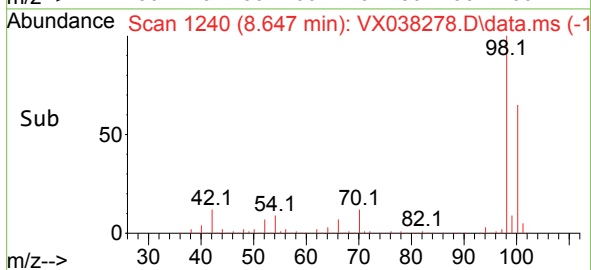
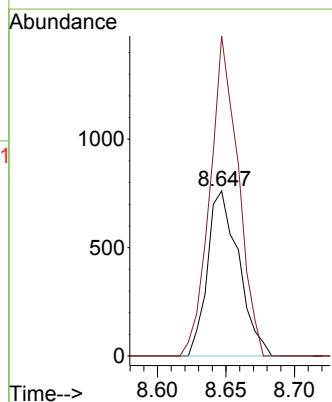
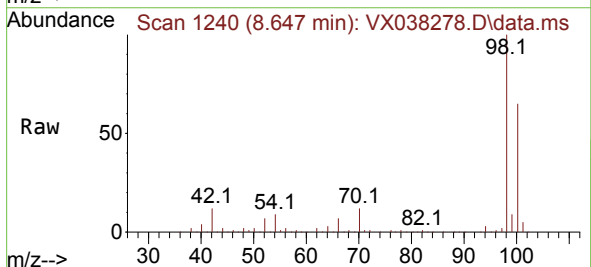
Instrument :
MSVOA_X
ClientSampleId :
TB

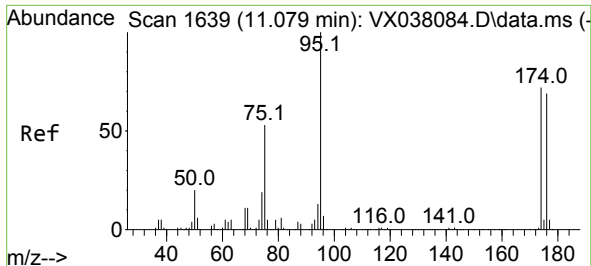
Tgt Ion: 98 Resp: 261302
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.483 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
58 175.1 30.4 45.6#

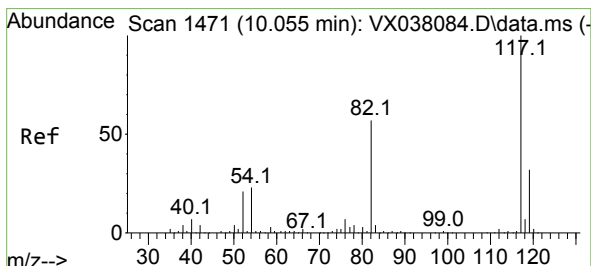
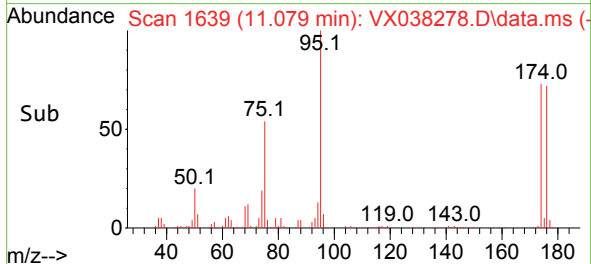
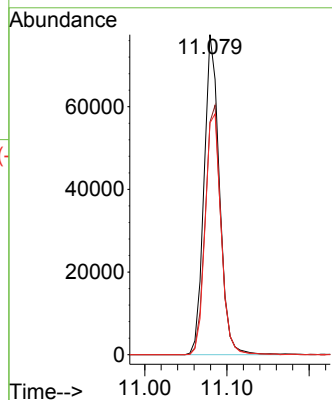
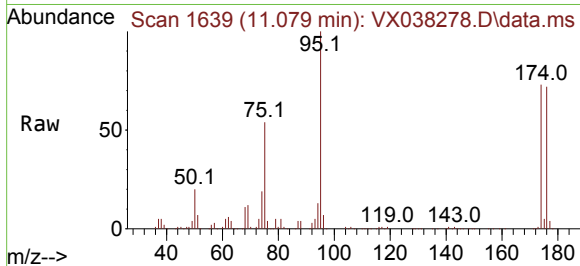




#62
4-Bromofluorobenzene
Concen: 46.692 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

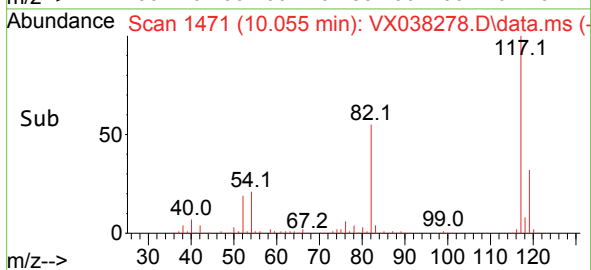
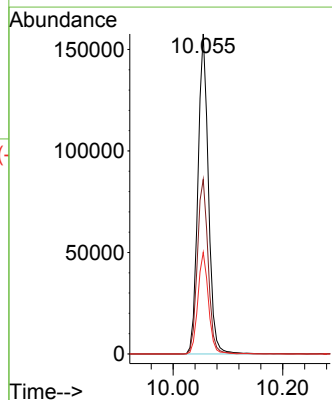
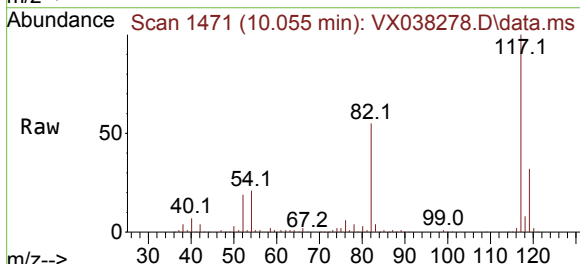
Instrument :
MSVOA_X
ClientSampleId :
TB

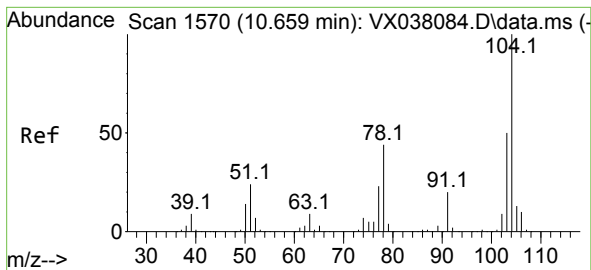
Tgt Ion: 95 Resp: 100495
Ion Ratio Lower Upper
95 100
174 80.2 0.0 135.6
176 77.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038278.D
Acq: 13 Oct 2023 12:10

Tgt Ion: 117 Resp: 210649
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 31.7 25.5 38.3





#70

Styrene

Concen: 0.429 ug/l

RT: 10.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038278.D

Acq: 13 Oct 2023 12:10

Instrument :

MSVOA_X

ClientSampleId :

TB

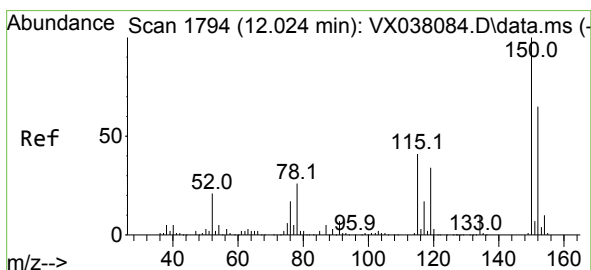
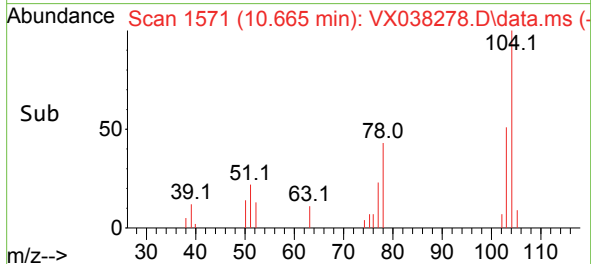
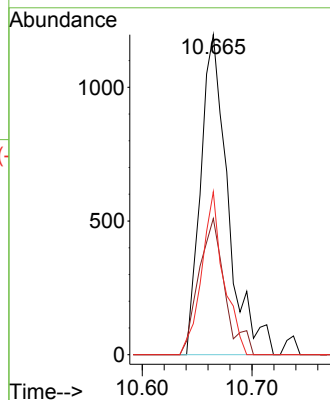
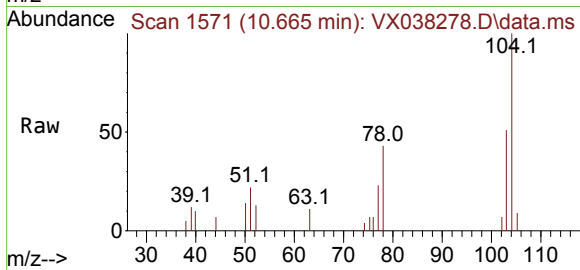
Tgt Ion:104 Resp: 2075

Ion Ratio Lower Upper

104 100

78 40.5 43.6 65.4#

103 40.9 43.6 65.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038278.D

Acq: 13 Oct 2023 12:10

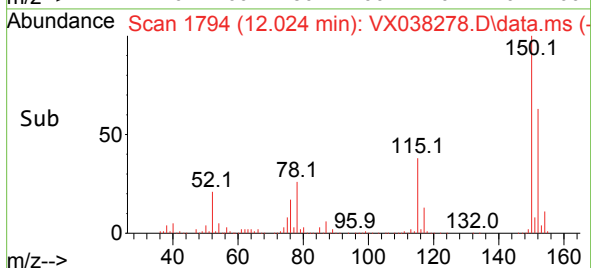
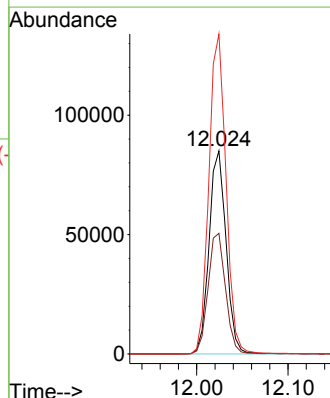
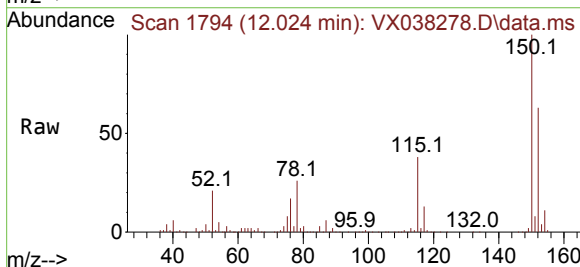
Tgt Ion:152 Resp: 109916

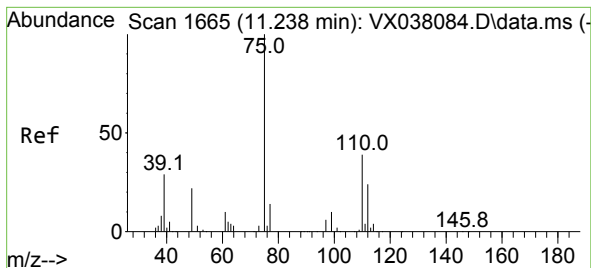
Ion Ratio Lower Upper

152 100

115 61.2 43.3 129.9

150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.023 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038278.D

Acq: 13 Oct 2023 12:10

Instrument :

MSVOA_X

ClientSampleId :

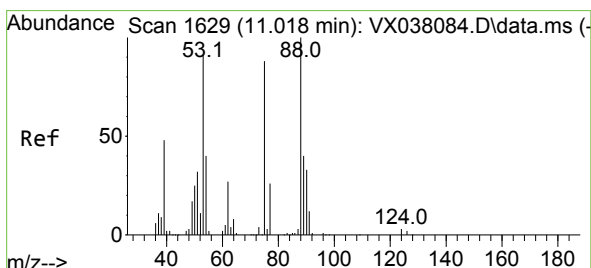
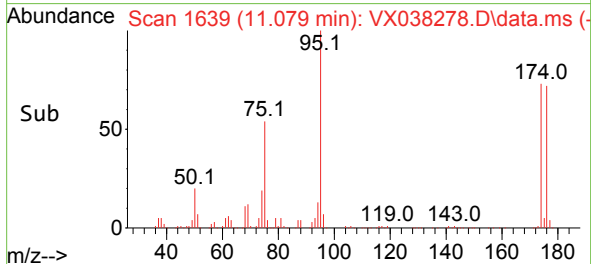
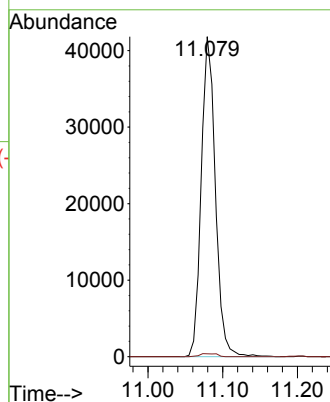
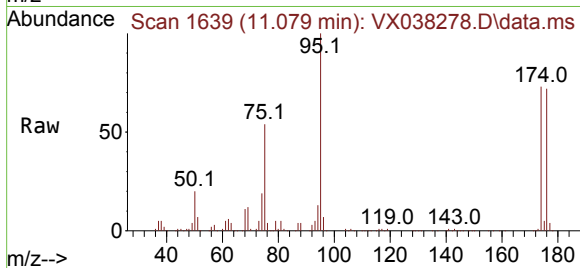
TB

Tgt Ion: 75 Resp: 55032

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.153 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038278.D

Acq: 13 Oct 2023 12:10

Tgt Ion: 75 Resp: 55032

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

