

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038759.D
 Acq On : 11 Nov 2023 05:09
 Operator : JC/MD
 Sample : 05350-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 13 01:05:40 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)

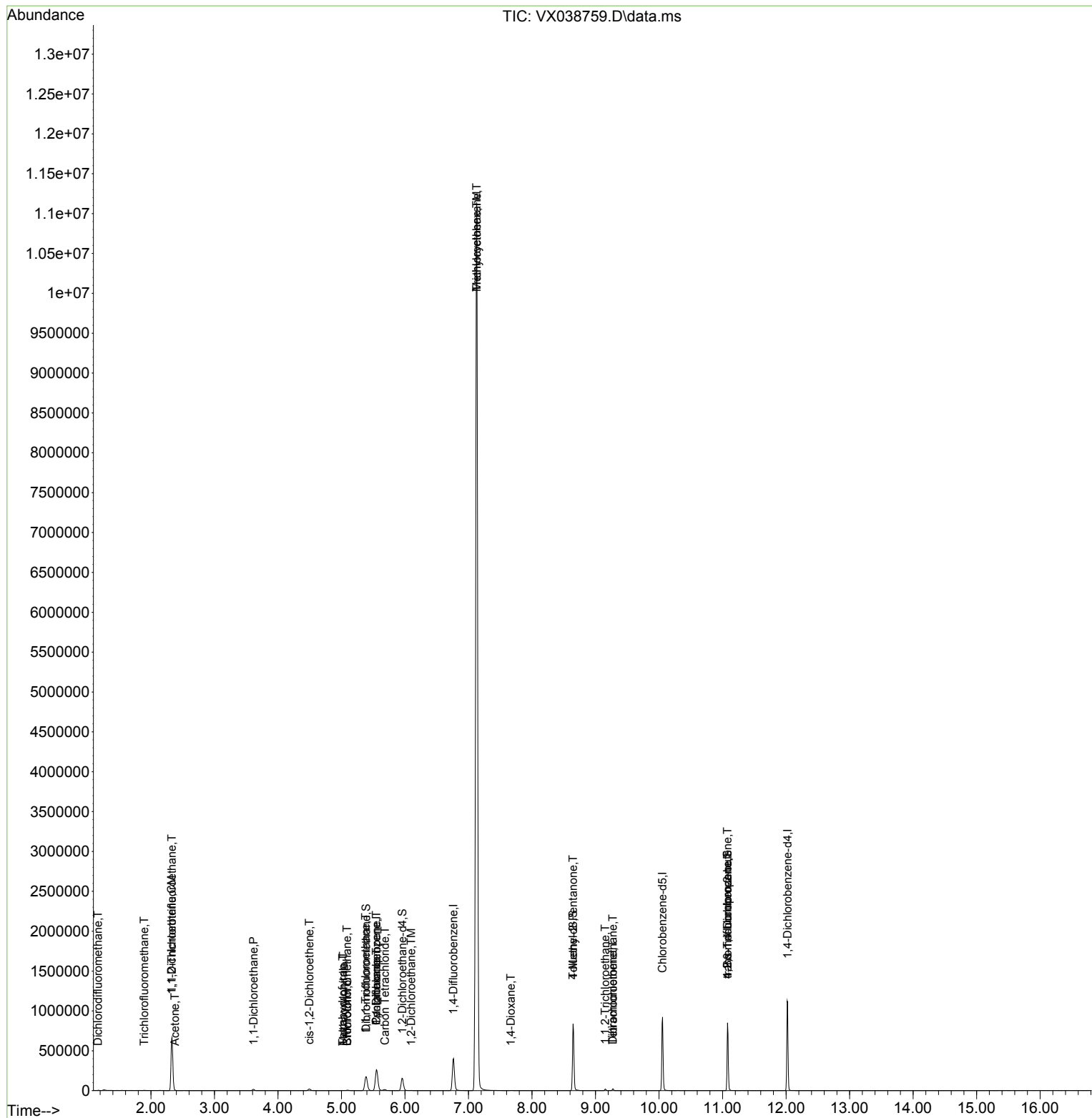
Internal Standards						
1) Pentafluorobenzene	5.550	168	272255	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	451586	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	464978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156427	46.151	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.300%		
35) Dibromofluoromethane	5.385	113	148311	45.600	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.200%		
50) Toluene-d8	8.647	98	533117	45.806	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.620%#		
62) 4-Bromofluorobenzene	11.079	95	228470	50.631	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.260%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1181	0.418	ug/l	94
7) Trichlorofluoromethane	1.892	101	1315	0.293	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	185209	69.839	ug/l	89
12) 1,1-Dichloroethene	2.325	96	103292	40.653	ug/l	# 76
16) Acetone	2.380	43	1542	1.080	ug/l	99
24) 1,1-Dichloroethane	3.617	63	18500	4.077	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	14530	4.549	ug/l	74
28) Bromochloromethane	5.086	49	578	0.283	ug/l	# 16
29) Tetrahydrofuran	5.019	42	637	0.495	ug/l	# 60
30) Chloroform	5.093	83	7813	1.467	ug/l	90
31) Cyclohexane	5.550	56	4021	1.072	ug/l	# 1
32) 1,1,1-Trichloroethane	5.379	97	10300	2.198	ug/l	98
36) 1,1-Dichloropropene	5.550	75	17719	4.386	ug/l	# 51
38) Carbon Tetrachloride	5.684	117	12061	2.670	ug/l	93
39) Methylcyclohexane	7.129	83	48146	9.531	ug/l	# 1
41) Methacrylonitrile	5.032	41	744	0.354	ug/l	# 44
42) 1,2-Dichloroethane	6.098	62	2757	0.657	ug/l	96
44) Trichloroethene	7.129	130	4587592	1267.045	ug/l	89
49) 1,4-Dioxane	7.665	88	2095	30.112	ug/l	# 82
51) 4-Methyl-2-Pentanone	8.647	43	2004	0.485	ug/l	# 1
55) 1,1,2-Trichloroethane	9.153	97	5718	1.768	ug/l	# 93
60) Dibromochloromethane	9.275	129	4073	1.122	ug/l	# 11
64) Tetrachloroethene	9.275	164	4406	1.266	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	110459	20.751	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	110459	63.162	ug/l	# 5

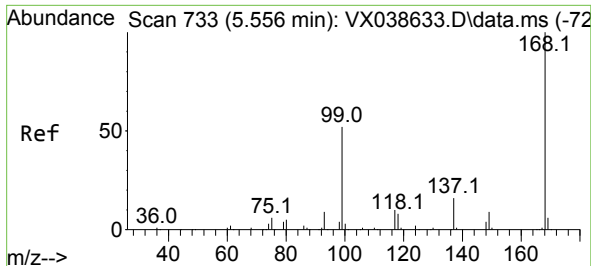
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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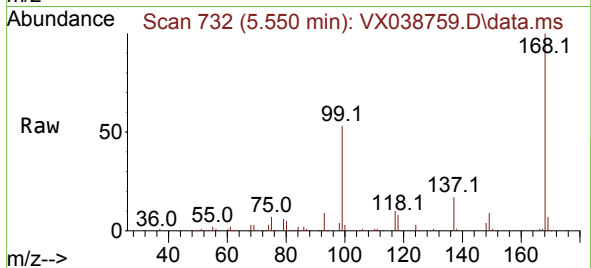
Quant Time: Nov 13 01:05:40 2023
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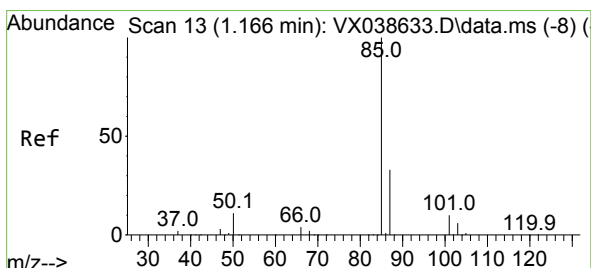
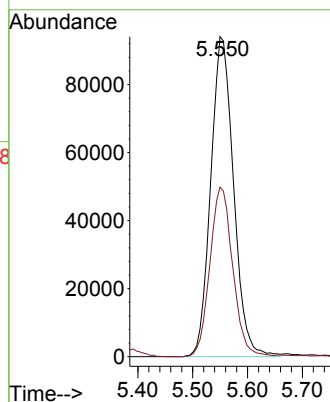
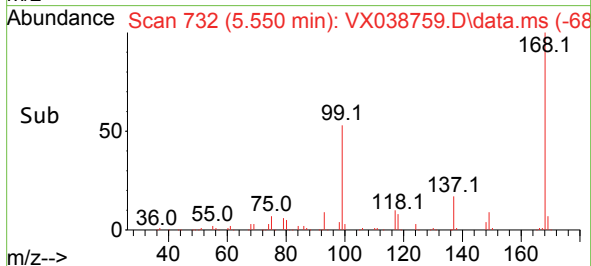


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Instrument :
MSVOA_X
ClientSampleId :

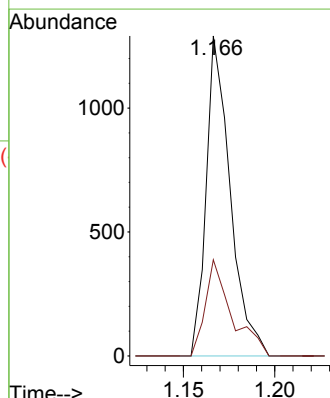
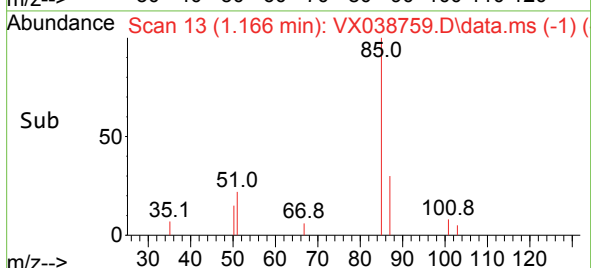
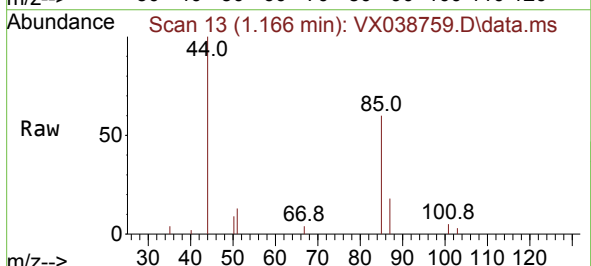


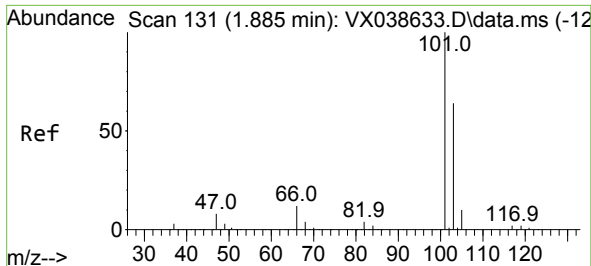
Tgt Ion:168 Resp: 272255
Ion Ratio Lower Upper
168 100
99 53.0 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.418 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

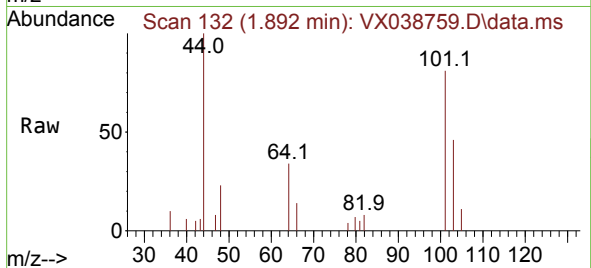
Tgt Ion: 85 Resp: 1181
Ion Ratio Lower Upper
85 100
87 30.1 16.7 50.1



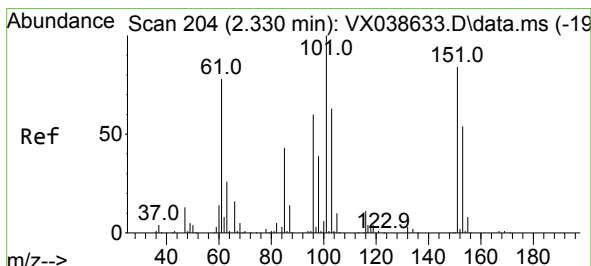
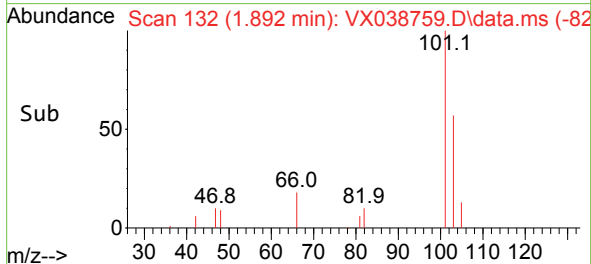
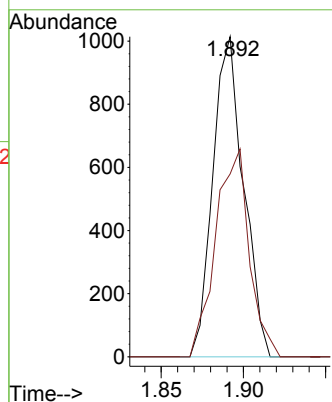


#7
 Trichlorofluoromethane
 Concen: 0.293 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038759.D
 Acq: 11 Nov 2023 05:09

Instrument :
 MSVOA_X
 ClientSampleId :

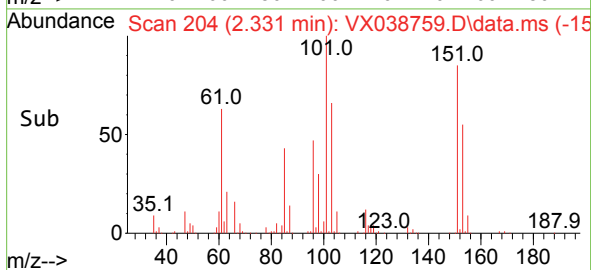
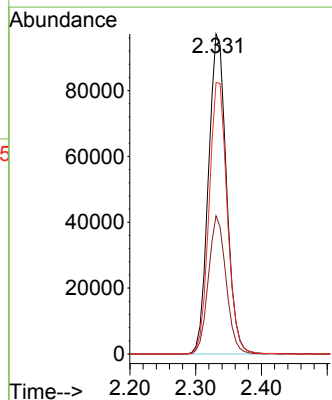
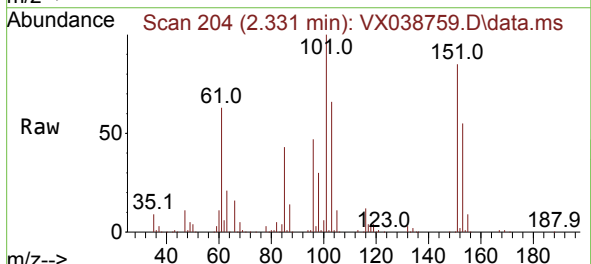


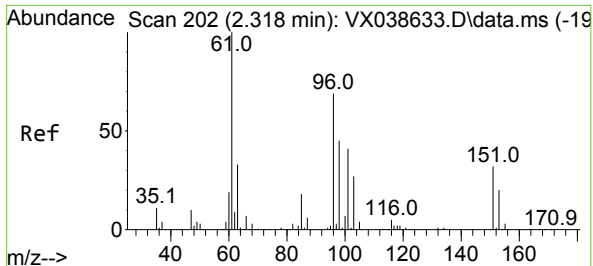
Tgt Ion:101 Resp: 1315
 Ion Ratio Lower Upper
 101 100
 103 57.1 51.4 77.2



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 69.839 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX038759.D
 Acq: 11 Nov 2023 05:09

Tgt Ion:101 Resp: 185209
 Ion Ratio Lower Upper
 101 100
 85 42.2 37.0 55.6
 151 85.4 58.6 87.8





#12

1,1-Dichloroethene

Concen: 40.653 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038759.D

Acq: 11 Nov 2023 05:09

Instrument :

MSVOA_X

ClientSampleId :

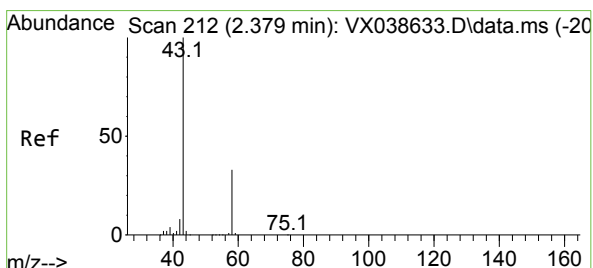
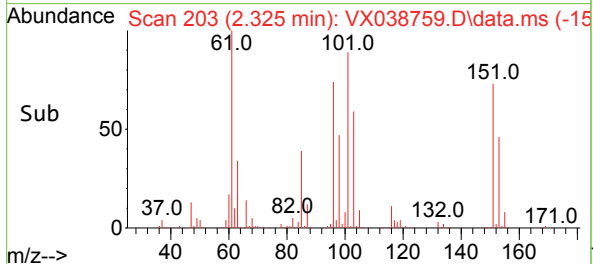
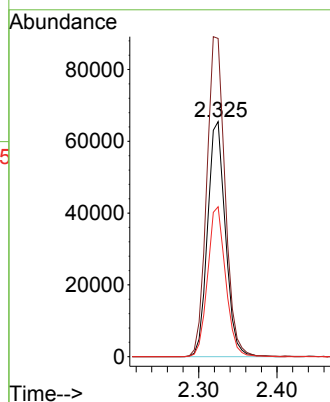
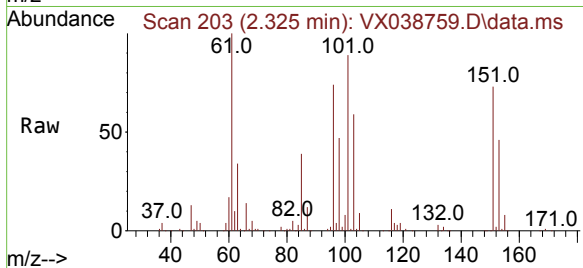
Tgt Ion: 96 Resp: 103292

Ion Ratio Lower Upper

96 100

61 135.4 144.6 216.8#

98 63.8 50.4 75.6



#16

Acetone

Concen: 1.080 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX038759.D

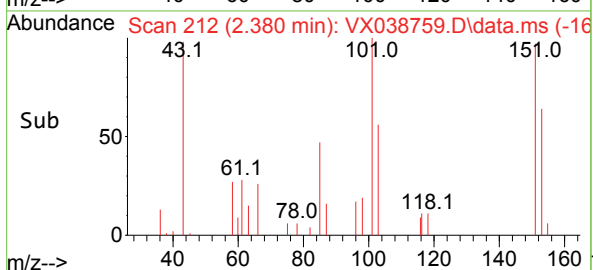
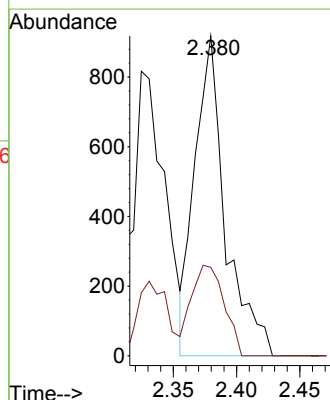
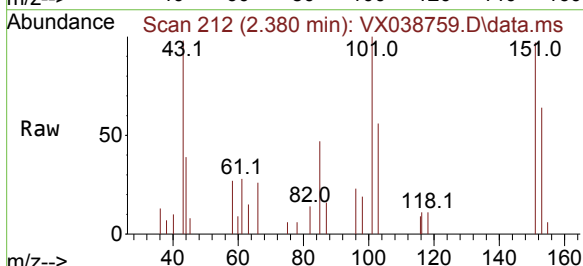
Acq: 11 Nov 2023 05:09

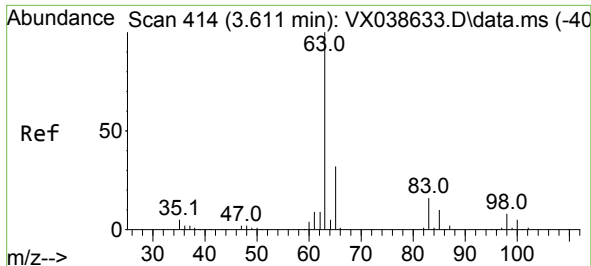
Tgt Ion: 43 Resp: 1542

Ion Ratio Lower Upper

43 100

58 27.7 21.9 32.9

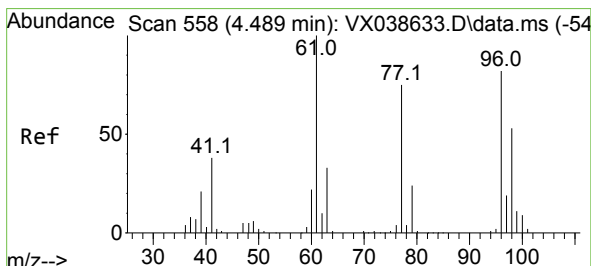
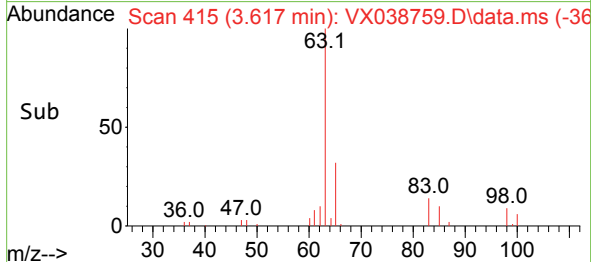
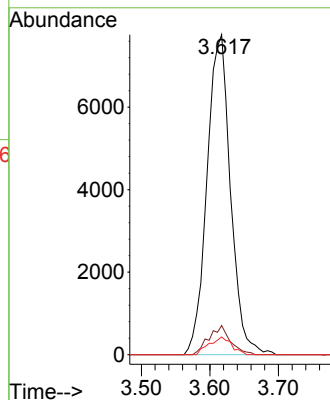
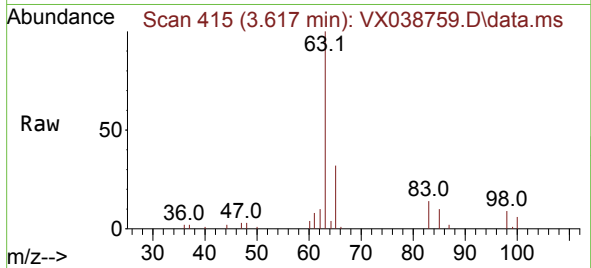




#24
 1,1-Dichloroethane
 Concen: 4.077 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX038759.D
 Acq: 11 Nov 2023 05:09

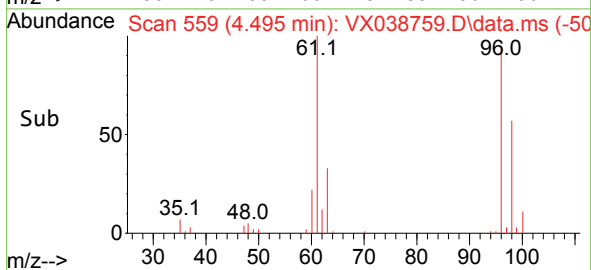
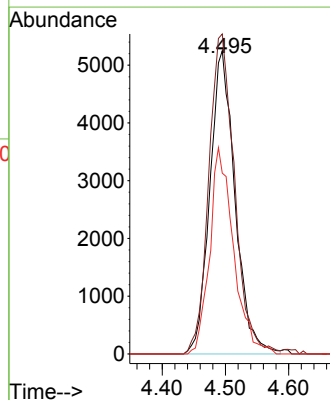
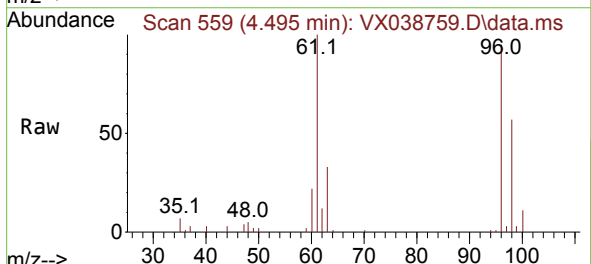
Instrument :
 MSVOA_X
 ClientSampleId :

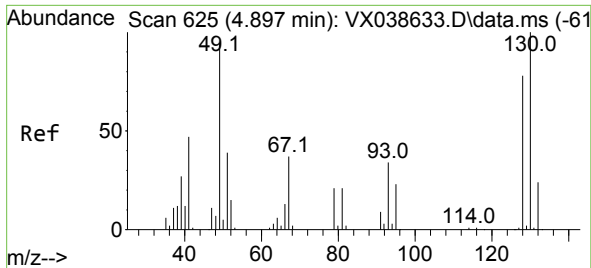
Tgt Ion: 63 Resp: 18500
 Ion Ratio Lower Upper
 63 100
 98 9.1 3.3 9.8
 100 5.5 2.1 6.5



#27
 cis-1,2-Dichloroethene
 Concen: 4.549 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: VX038759.D
 Acq: 11 Nov 2023 05:09

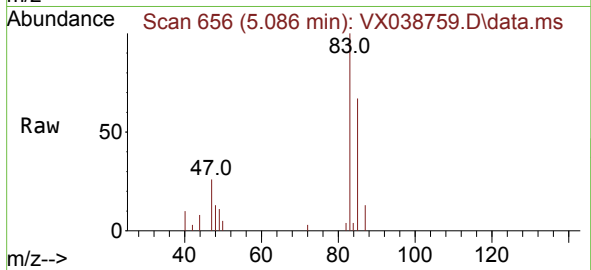
Tgt Ion: 96 Resp: 14530
 Ion Ratio Lower Upper
 96 100
 61 107.9 0.0 312.2
 98 64.4 0.0 129.0



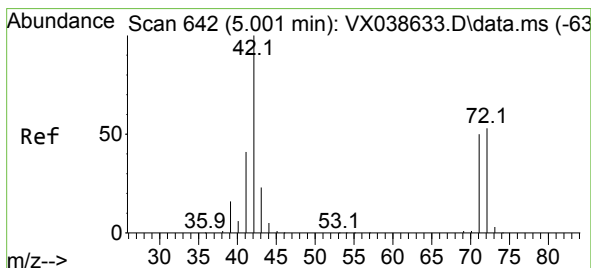
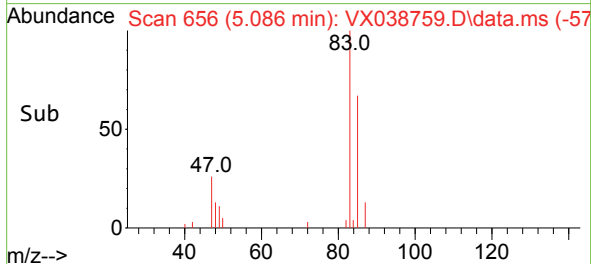
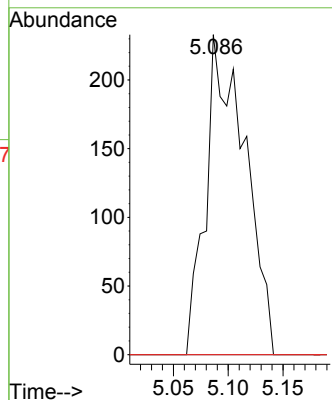


#28
Bromochloromethane
Concen: 0.283 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.189 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Instrument :
MSVOA_X
ClientSampleId :

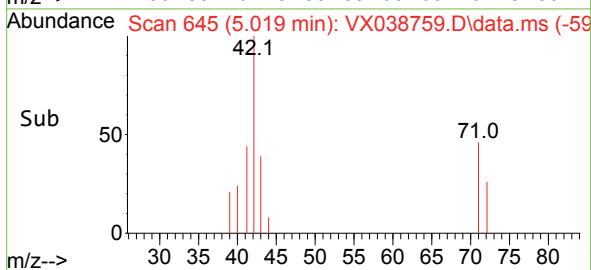
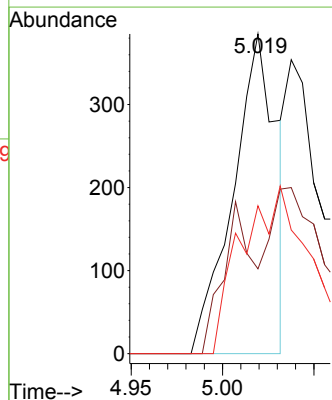
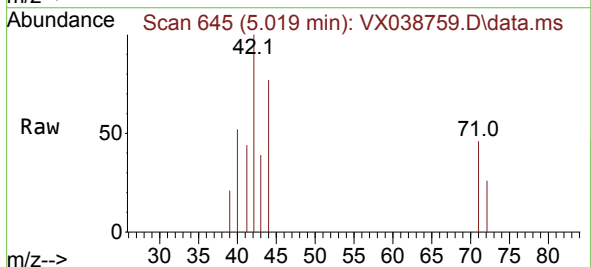


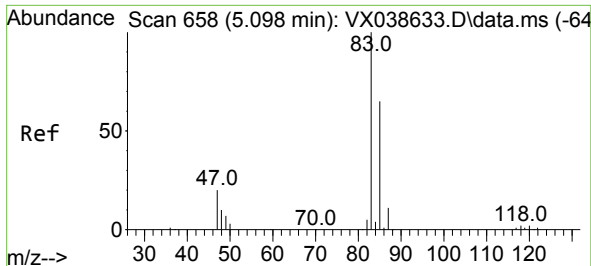
Tgt Ion: 49 Resp: 578
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#29
Tetrahydrofuran
Concen: 0.495 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.019 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion: 42 Resp: 637
Ion Ratio Lower Upper
42 100
72 32.7 34.2 51.4#
71 80.5 32.2 48.2#

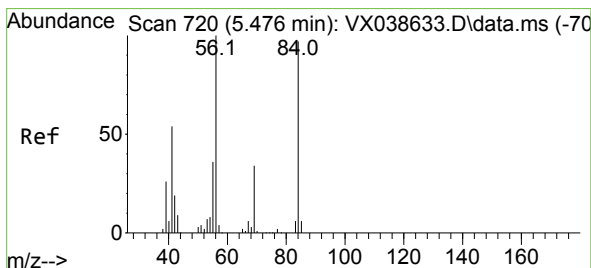
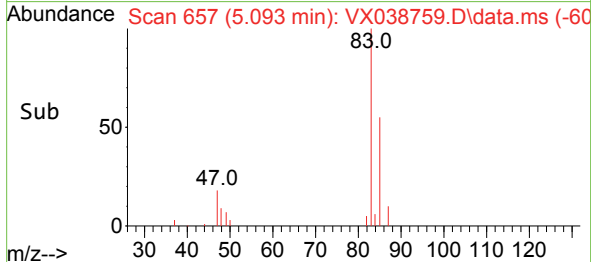
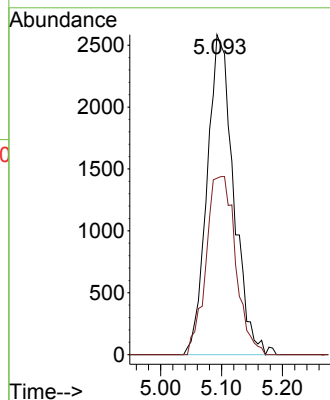
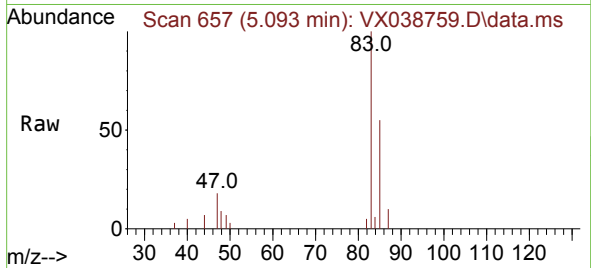




#30
Chloroform
Concen: 1.467 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

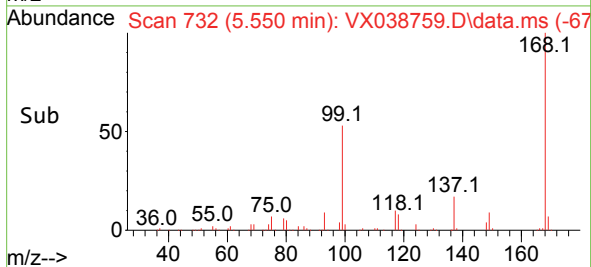
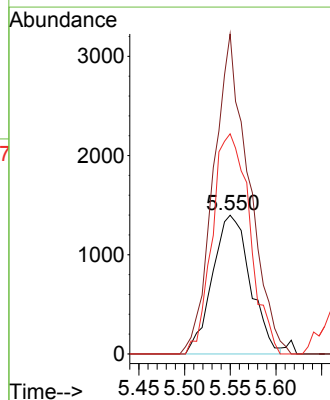
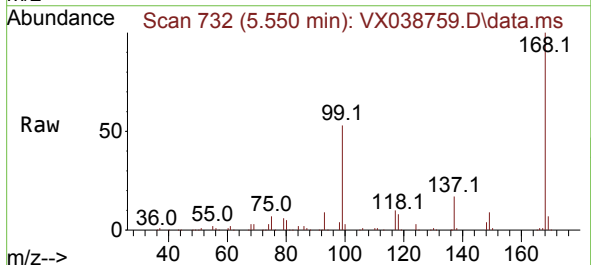
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MSVOA_X
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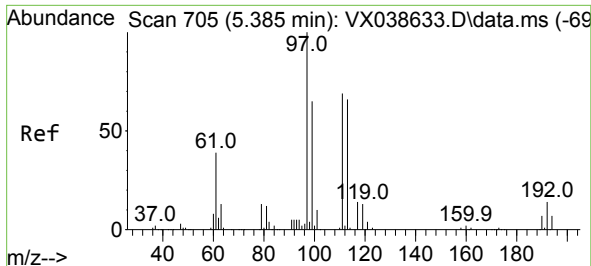
Tgt Ion: 83 Resp: 7813
Ion Ratio Lower Upper
83 100
85 55.1 50.3 75.5



#31
Cyclohexane
Concen: 1.072 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion: 56 Resp: 4021
Ion Ratio Lower Upper
56 100
69 230.7 23.4 35.2#
84 158.7 65.9 98.9#

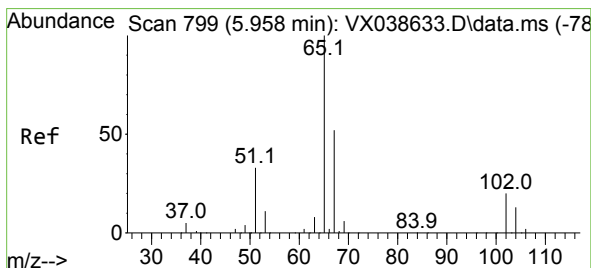
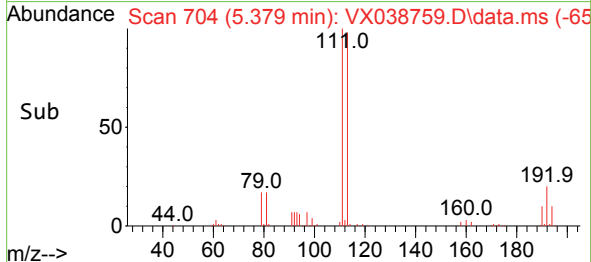
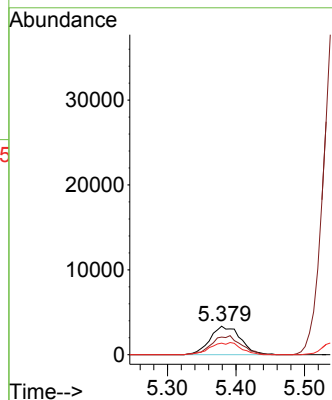
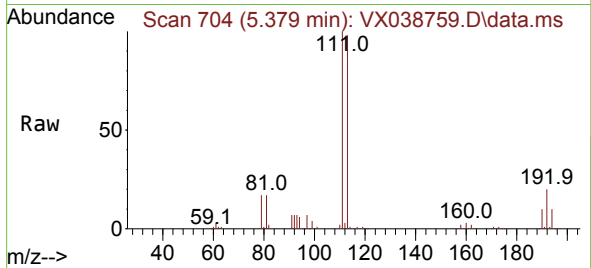




#32
1,1,1-Trichloroethane
Concen: 2.198 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

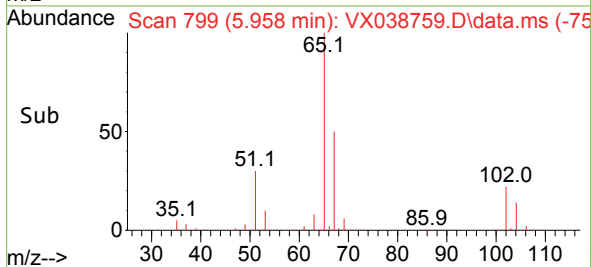
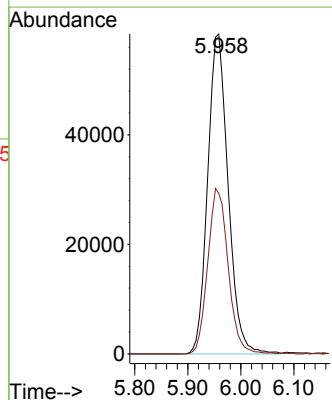
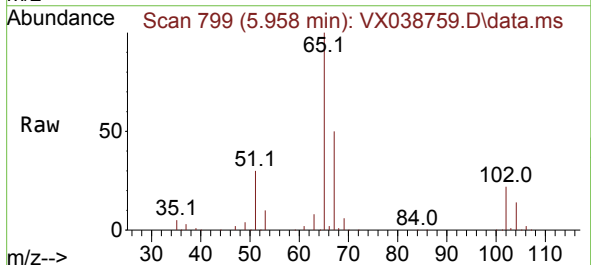
Instrument :
MSVOA_X
ClientSampleId :

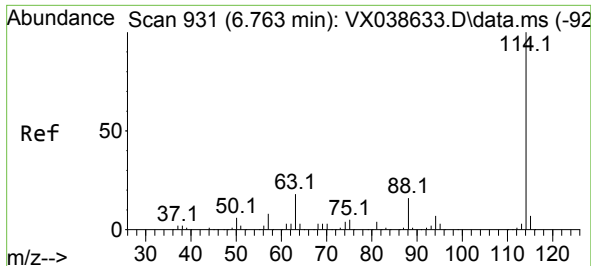
Tgt Ion: 97 Resp: 10300
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 42.6 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 46.151 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion: 65 Resp: 156427
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

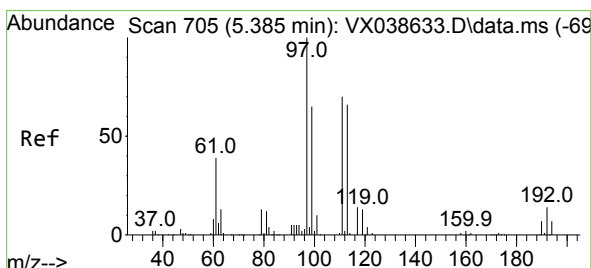
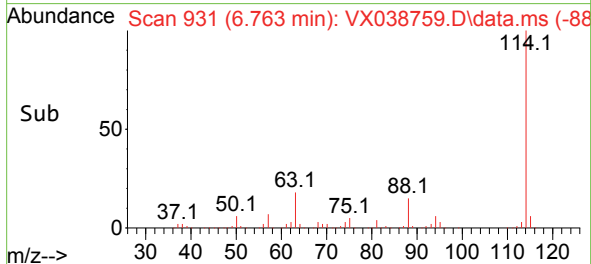
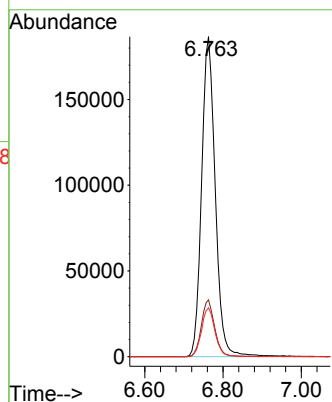
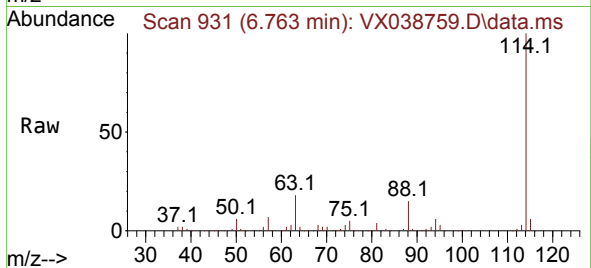




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

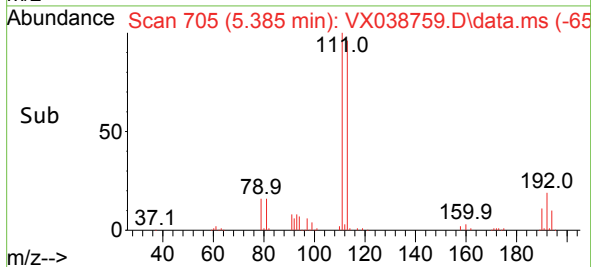
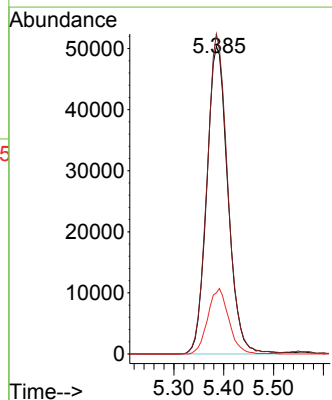
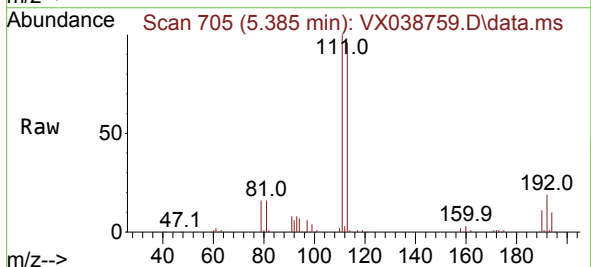
Instrument :
MSVOA_X
ClientSampleId :

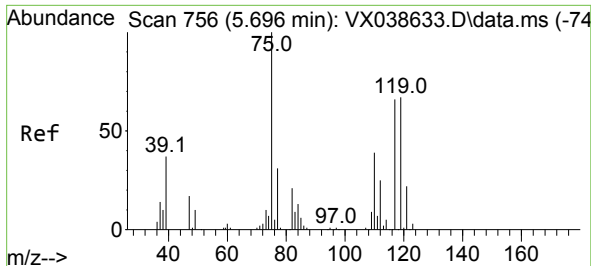
Tgt Ion:114 Resp: 451586
Ion Ratio Lower Upper
114 100
63 17.7 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.600 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion:113 Resp: 148311
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 21.1 13.3 19.9#

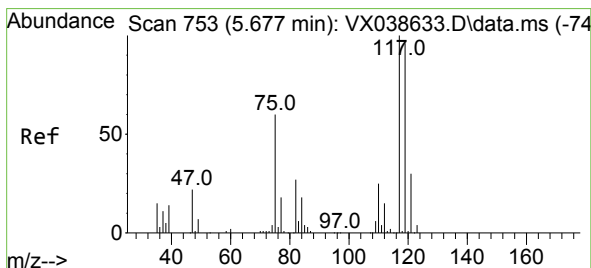
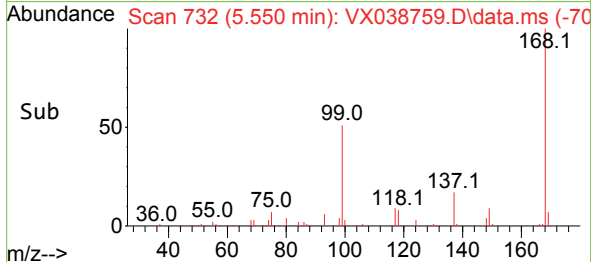
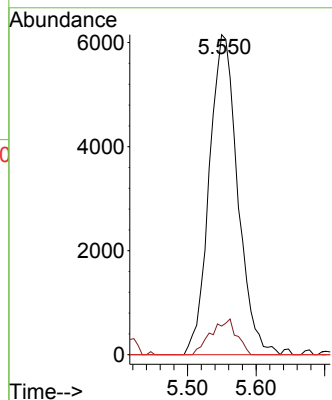
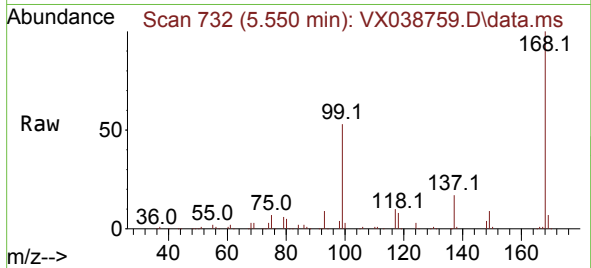




#36
1,1-Dichloropropene
Concen: 4.386 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

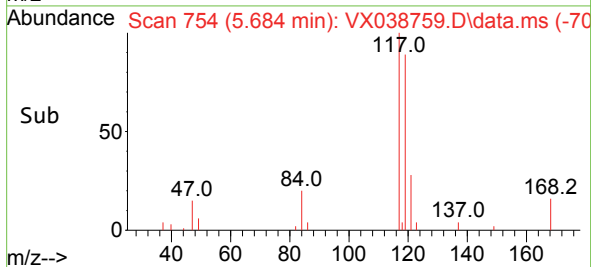
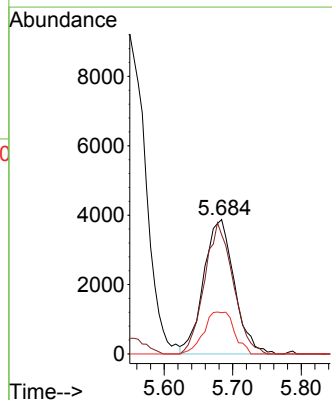
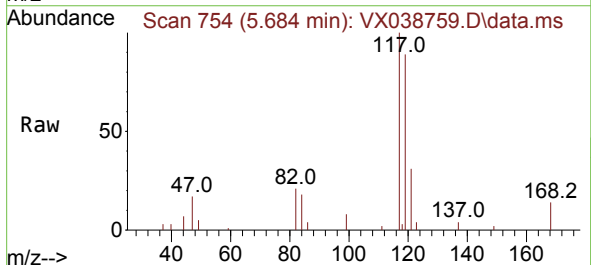
Instrument :
MSVOA_X
ClientSampleId :

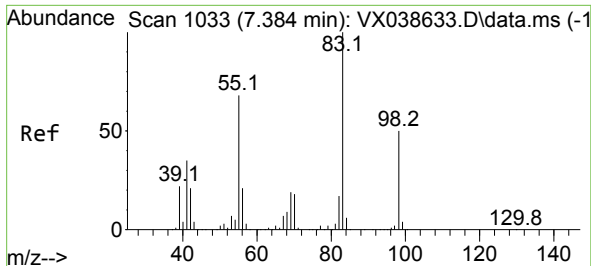
Tgt Ion: 75 Resp: 17719
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 2.670 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

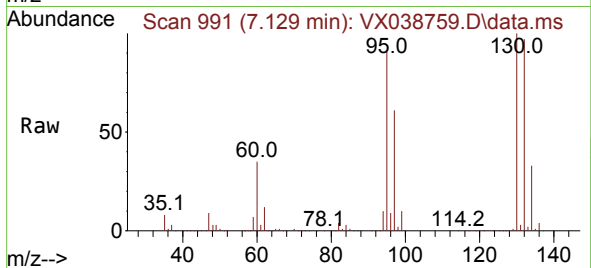
Tgt Ion:117 Resp: 12061
Ion Ratio Lower Upper
117 100
119 88.7 78.2 117.2
121 30.8 24.4 36.6



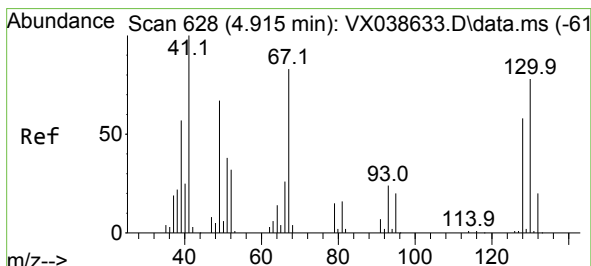
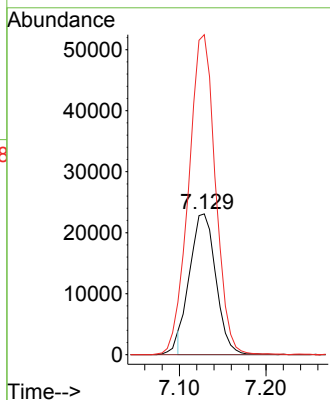
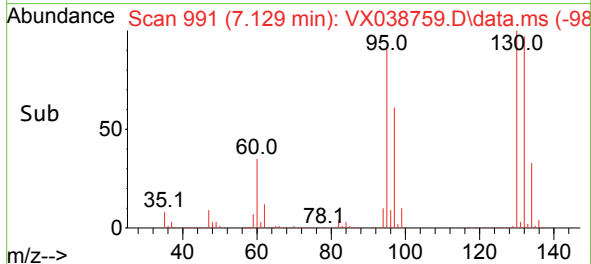


#39
Methylcyclohexane
Concen: 9.531 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Instrument :
MSVOA_X
ClientSampleId :

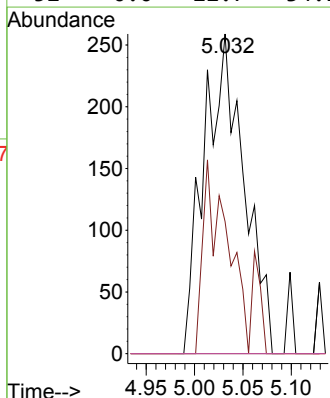
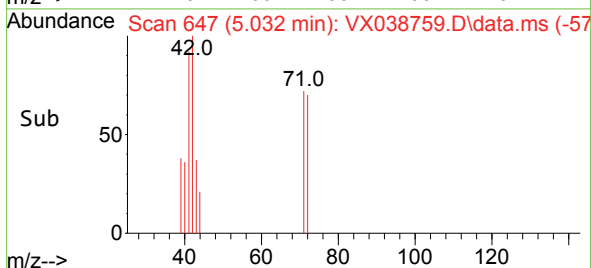
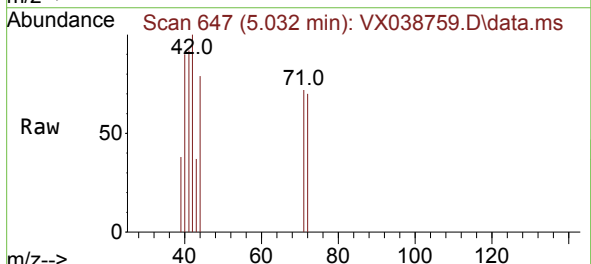


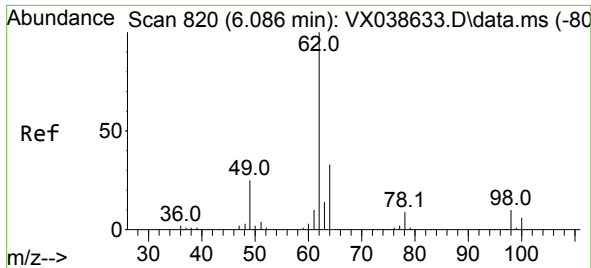
Tgt Ion: 83 Resp: 48146
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 226.8 36.7 55.1#



#41
Methacrylonitrile
Concen: 0.354 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion: 41 Resp: 744
Ion Ratio Lower Upper
41 100
39 37.1 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#





#42

1,2-Dichloroethane

Concen: 0.657 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.013 min

Lab File: VX038759.D

Acq: 11 Nov 2023 05:09

Instrument :

MSVOA_X

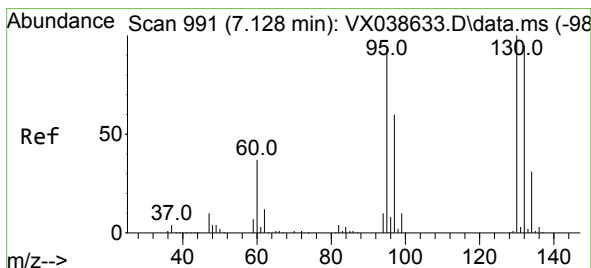
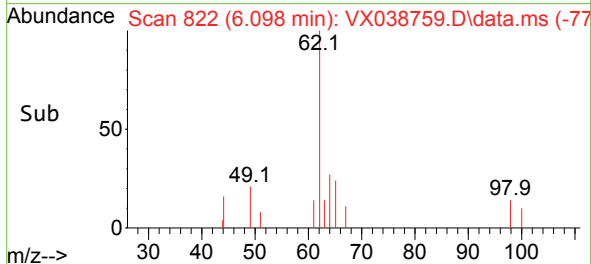
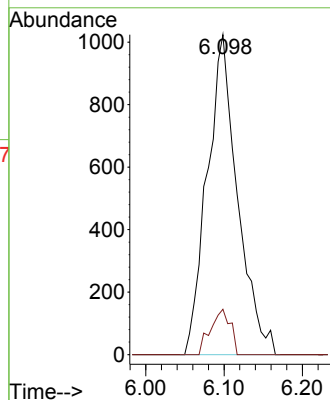
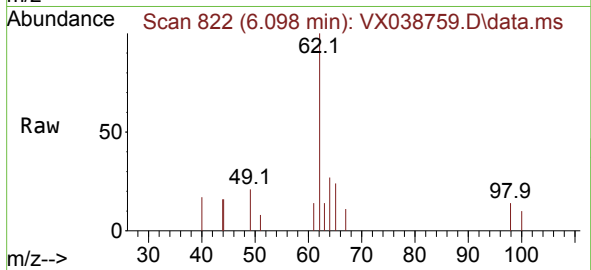
ClientSampleId :

Tgt Ion: 62 Resp: 2757

Ion Ratio Lower Upper

62 100

98 9.2 0.0 16.0



#44

Trichloroethene

Concen: 1267.045 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX038759.D

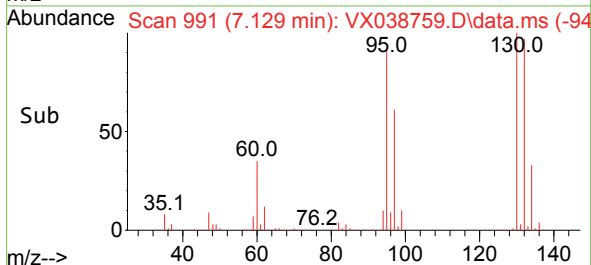
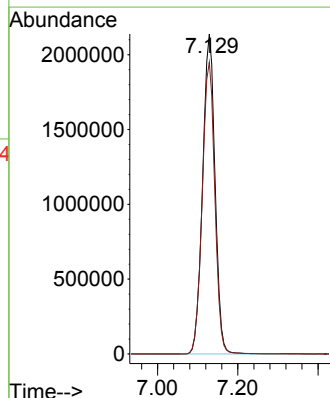
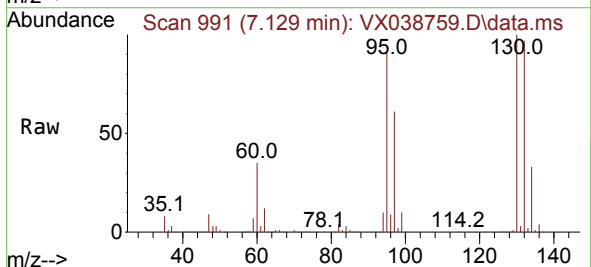
Acq: 11 Nov 2023 05:09

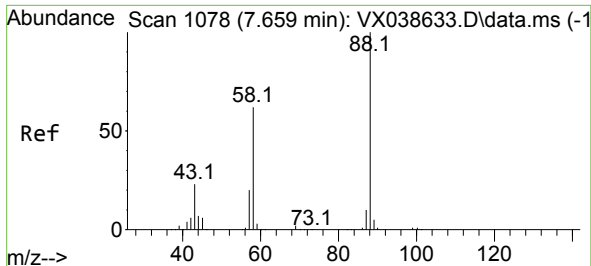
Tgt Ion:130 Resp: 4587592

Ion Ratio Lower Upper

130 100

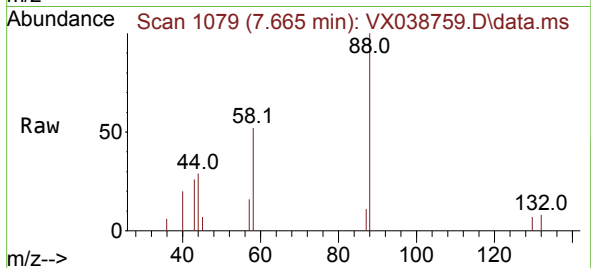
95 91.2 0.0 204.4



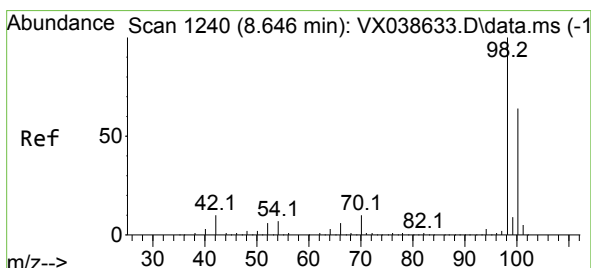
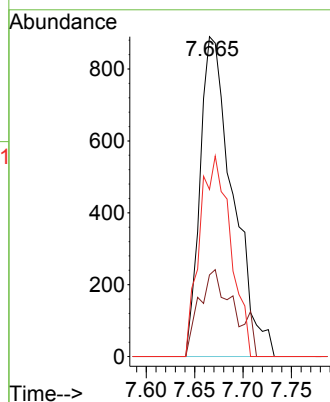
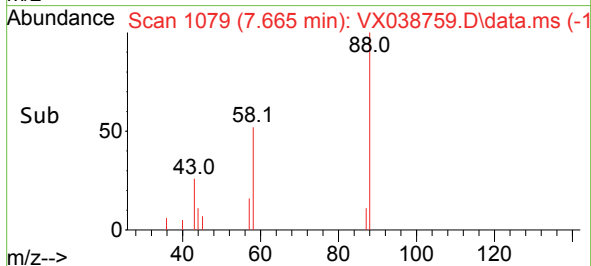


#49
1,4-Dioxane
Concen: 30.112 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Instrument :
MSVOA_X
ClientSampleId :

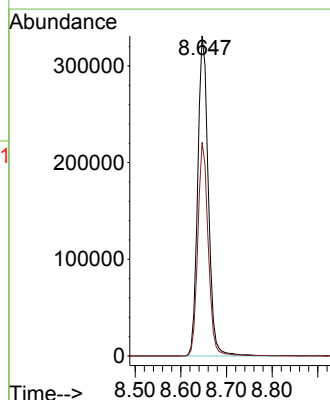
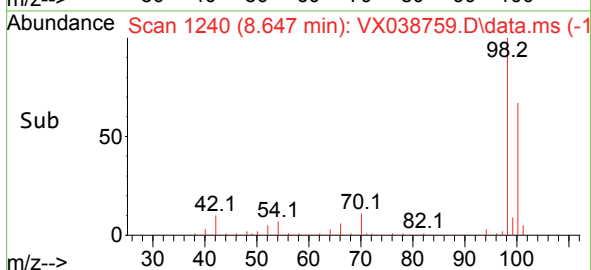
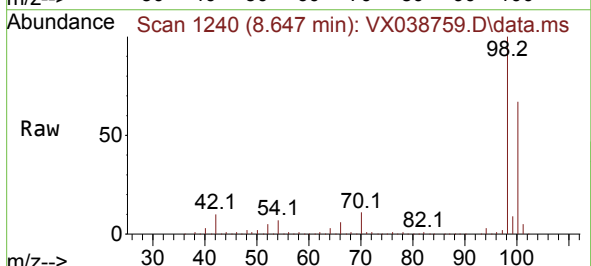


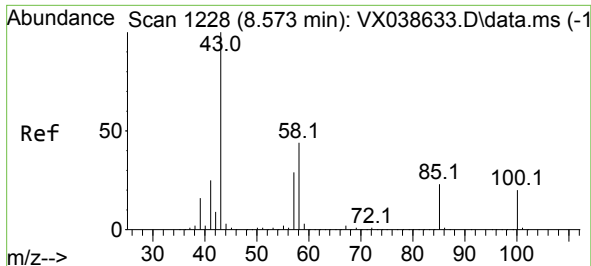
Tgt Ion: 88 Resp: 2095
Ion Ratio Lower Upper
88 100
43 28.9 0.0 0.0#
58 59.5 60.1 90.1#



#50
Toluene-d8
Concen: 45.806 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion: 98 Resp: 533117
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

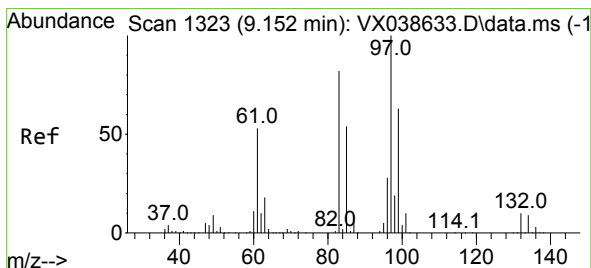
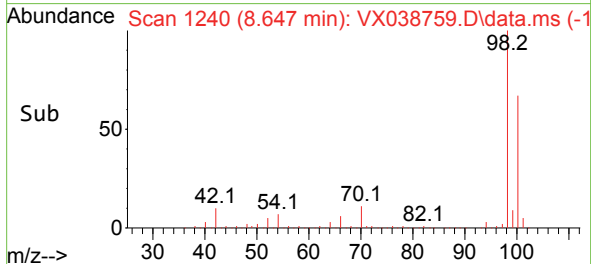
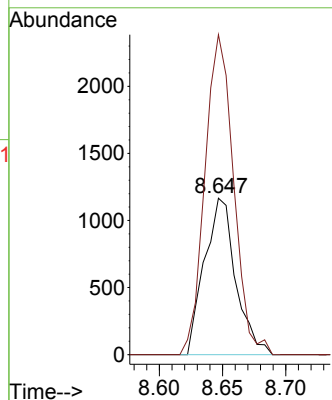
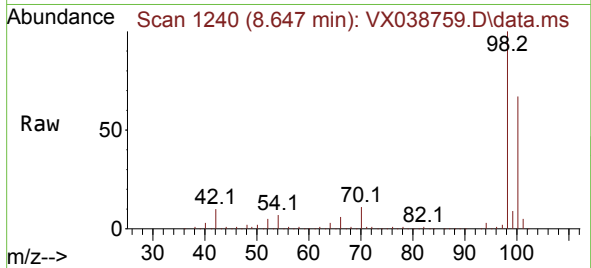




#51
4-Methyl-2-Pentanone
Concen: 0.485 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

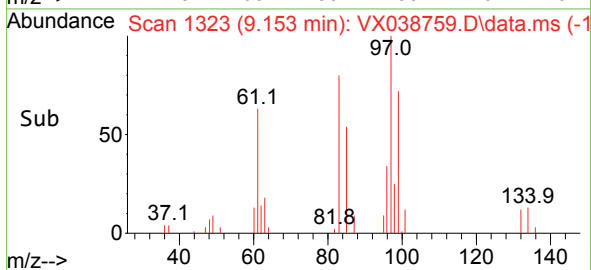
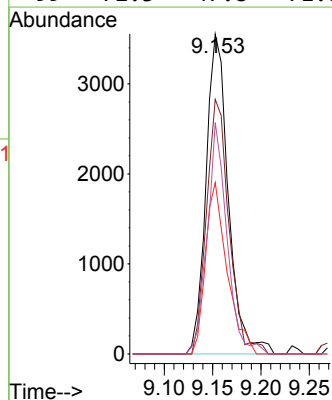
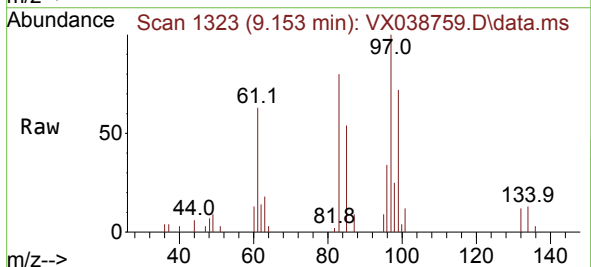
Instrument :
MSVOA_X
ClientSampleId :

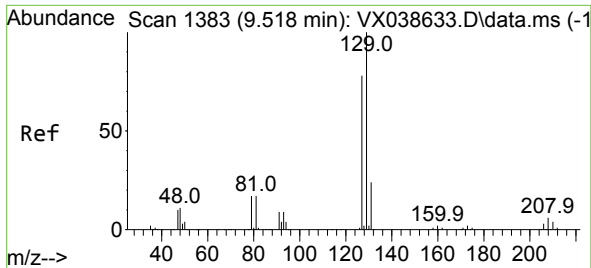
Tgt Ion: 43 Resp: 2004
Ion Ratio Lower Upper
43 100
58 188.2 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 1.768 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion: 97 Resp: 5718
Ion Ratio Lower Upper
97 100
83 79.5 65.8 98.8
85 53.6 41.6 62.4
99 72.3 47.8 71.8#

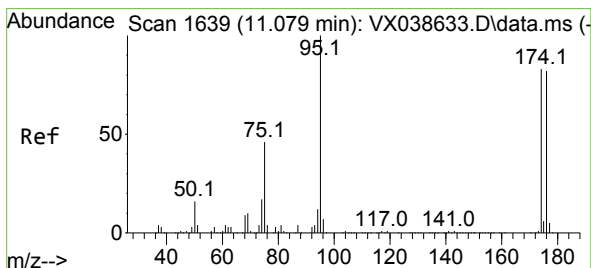
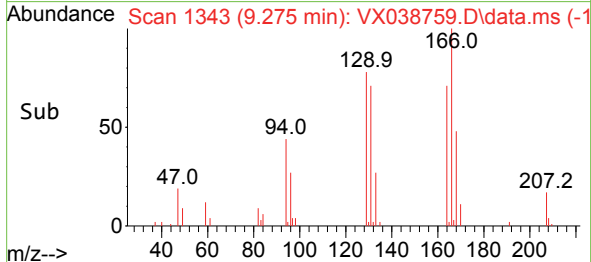
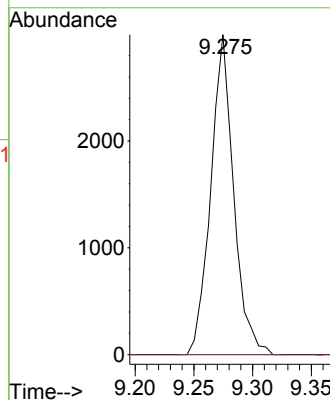
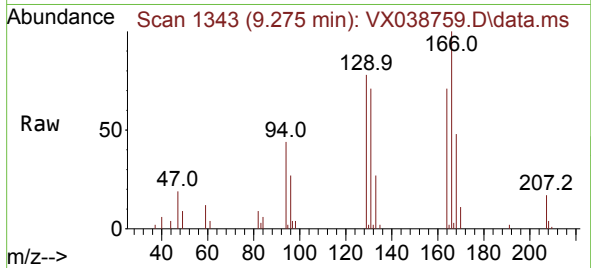




#60
Dibromochloromethane
Concen: 1.122 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

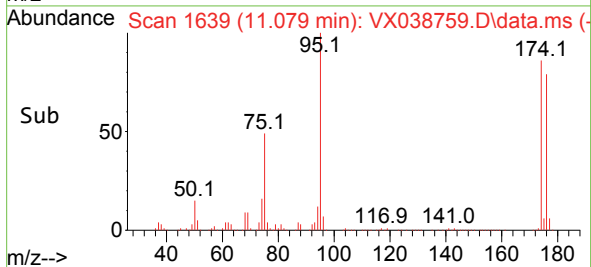
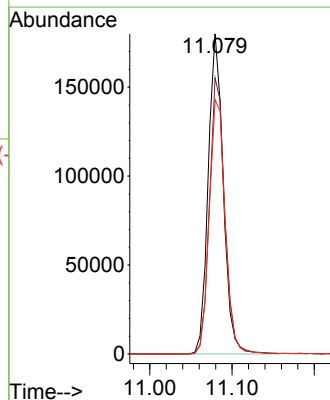
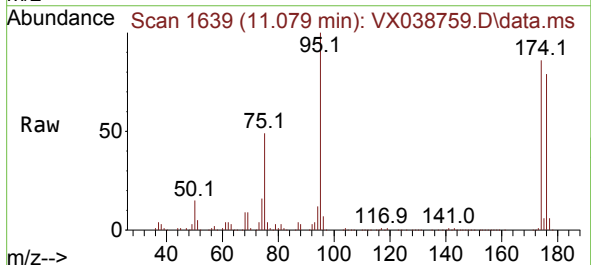
Instrument :
MSVOA_X
ClientSampleId :

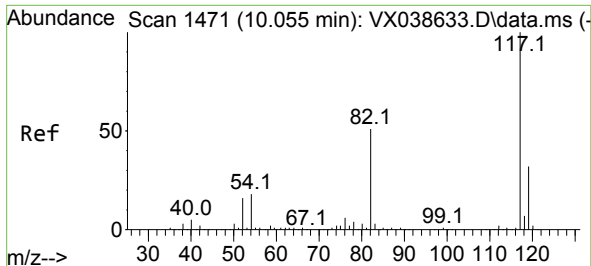
Tgt Ion:129 Resp: 4073
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.631 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion: 95 Resp: 228470
Ion Ratio Lower Upper
95 100
174 88.5 0.0 135.6
176 84.2 0.0 131.0

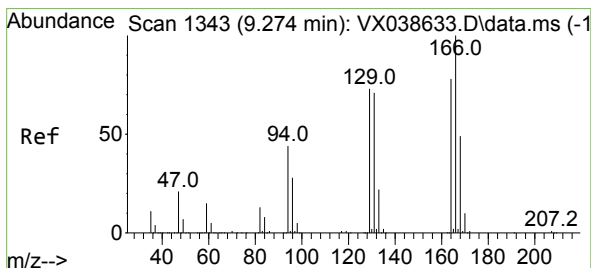
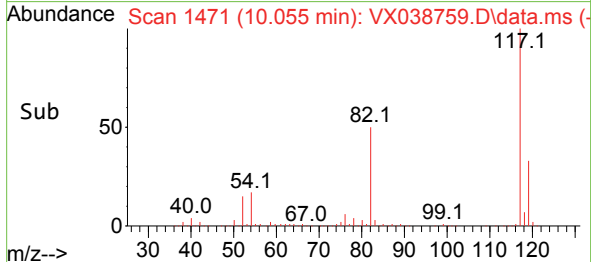
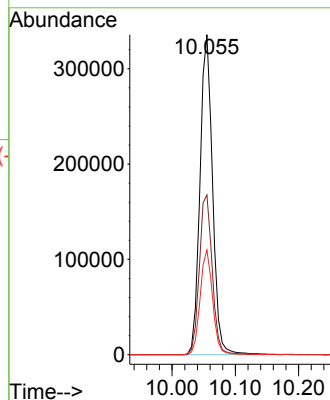
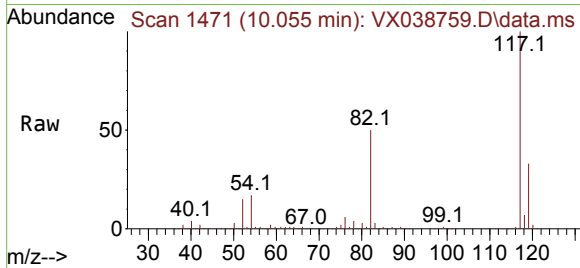




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

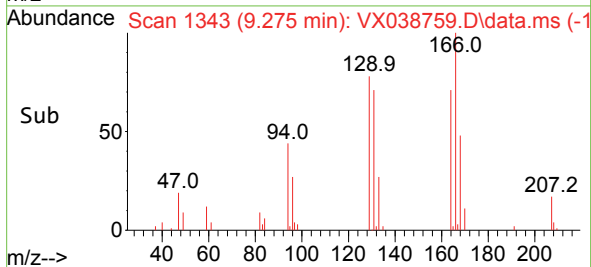
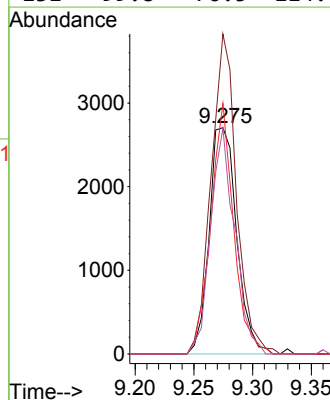
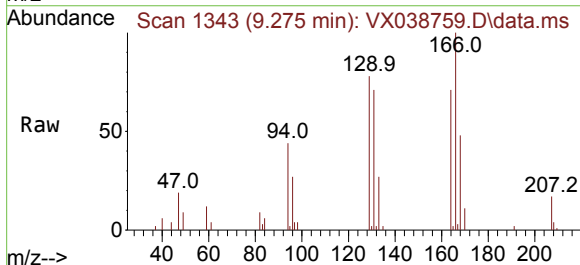
Instrument :
MSVOA_X
ClientSampleId :

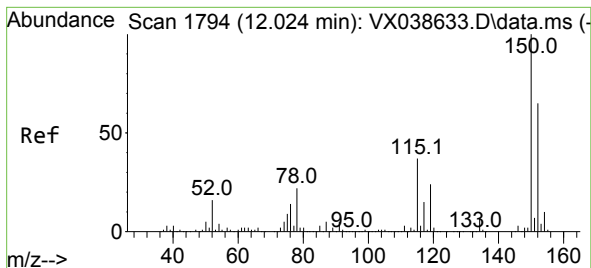
Tgt Ion:117 Resp: 464978
Ion Ratio Lower Upper
117 100
82 49.9 46.2 69.4
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 1.266 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038759.D
Acq: 11 Nov 2023 05:09

Tgt Ion:164 Resp: 4406
Ion Ratio Lower Upper
164 100
166 141.4 102.7 154.1
129 110.8 80.4 120.6
131 99.8 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038759.D

Acq: 11 Nov 2023 05:09

Instrument :

MSVOA_X

ClientSampleId :

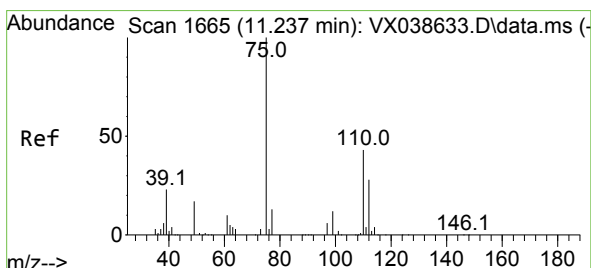
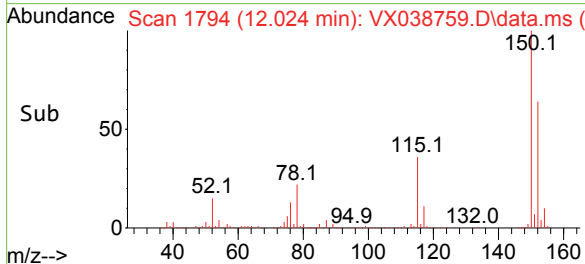
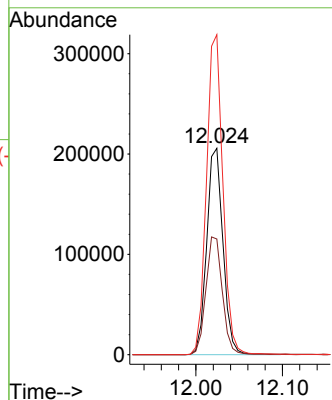
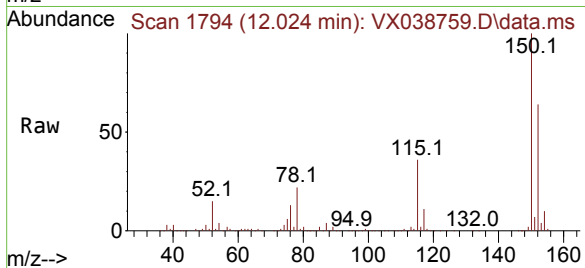
Tgt Ion:152 Resp: 268771

Ion Ratio Lower Upper

152 100

115 57.9 43.3 129.9

150 156.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.751 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038759.D

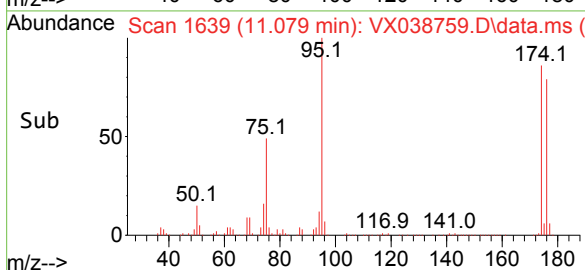
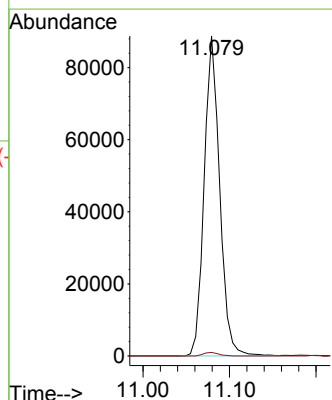
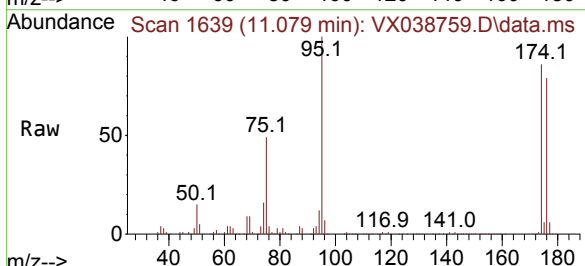
Acq: 11 Nov 2023 05:09

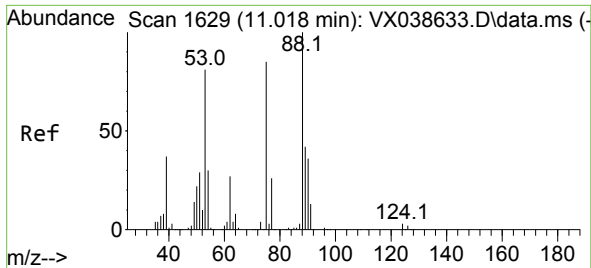
Tgt Ion: 75 Resp: 110459

Ion Ratio Lower Upper

75 100

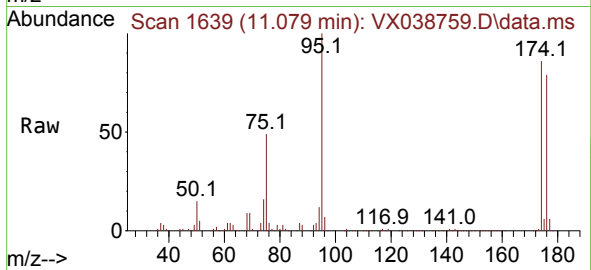
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.162 ug/l
 RT: 11.079 min Scan# 110459
 Delta R.T. 0.061 min
 Lab File: VX038759.D
 Acq: 11 Nov 2023 05:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 110459
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

