

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038688.D
 Acq On : 09 Nov 2023 18:10
 Operator : JC/MD
 Sample : 05241-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 03:43:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

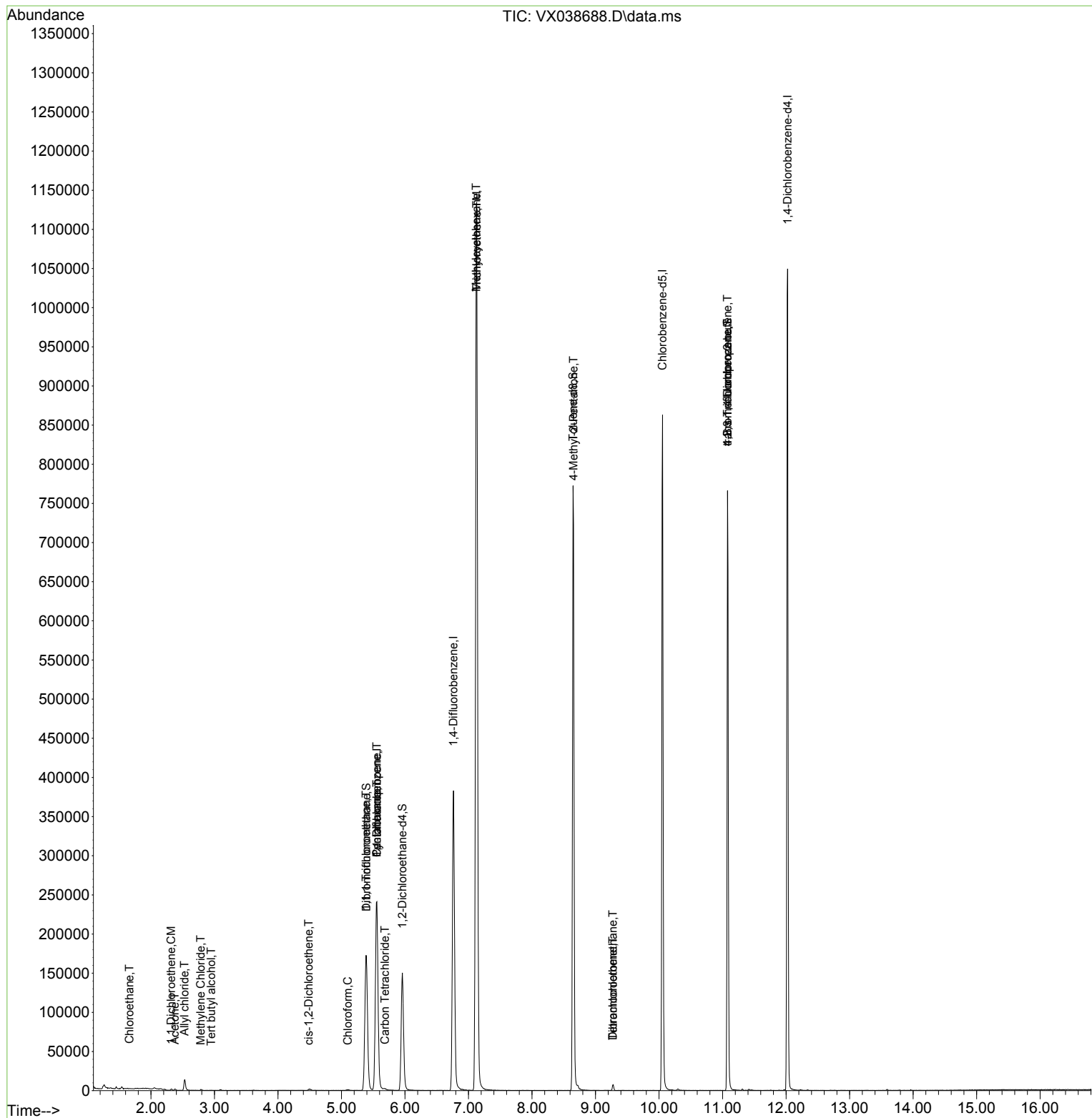
Internal Standards						
1) Pentafluorobenzene	5.556	168	250990	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	423848	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	246746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148676	47.580	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.160%		
35) Dibromofluoromethane	5.391	113	139541	45.711	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.420%		
50) Toluene-d8	8.647	98	498614	45.645	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.300%#		
62) 4-Bromofluorobenzene	11.079	95	210584	49.722	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.440%		
Target Compounds						
						Qvalue
6) Chloroethane	1.660	64	505	0.333	ug/l	# 43
11) Tert butyl alcohol	2.946	59	217	0.340	ug/l	# 78
12) 1,1-Dichloroethene	2.319	96	594	0.254	ug/l	# 75
14) Allyl chloride	2.526	41	1445	0.431	ug/l	86
16) Acetone	2.373	43	1870	1.421	ug/l	# 85
20) Methylene Chloride	2.782	84	632	0.238	ug/l	# 60
27) cis-1,2-Dichloroethene	4.483	96	938	0.319	ug/l	92
30) Chloroform	5.099	83	1277	0.260	ug/l	# 82
31) Cyclohexane	5.556	56	3923	1.134	ug/l	# 1
32) 1,1,1-Trichloroethane	5.385	97	18716	4.333	ug/l	96
36) 1,1-Dichloropropene	5.556	75	16539	4.362	ug/l	# 51
38) Carbon Tetrachloride	5.684	117	1190	0.281	ug/l	85
39) Methylcyclohexane	7.123	83	5063	1.068	ug/l	# 1
44) Trichloroethene	7.129	130	476649	140.261	ug/l	90
51) 4-Methyl-2-Pentanone	8.653	43	1579	0.407	ug/l	# 1
60) Dibromochloromethane	9.275	129	1280	0.376	ug/l	# 11
64) Tetrachloroethene	9.275	164	1449	0.447	ug/l	# 79
76) 1,2,3-Trichloropropane	11.079	75	101515	20.773	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	101515	63.222	ug/l	# 5

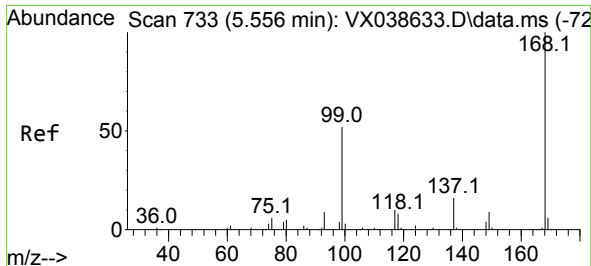
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

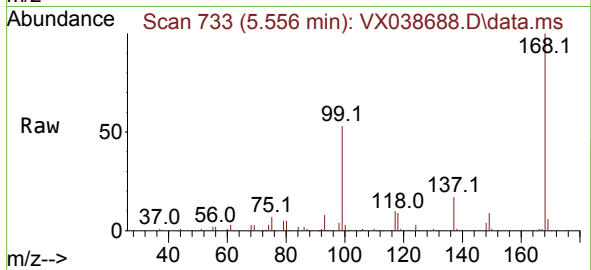
Lab File: VX038688.D

Acq: 09 Nov 2023 18:10

Instrument :

MSVOA_X

ClientSampleId :

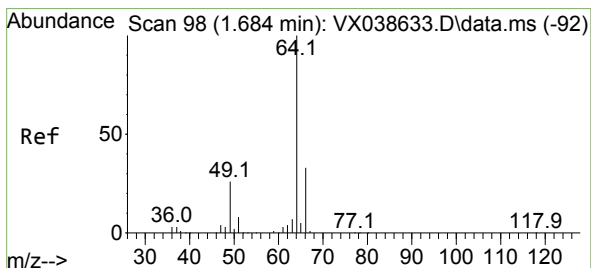
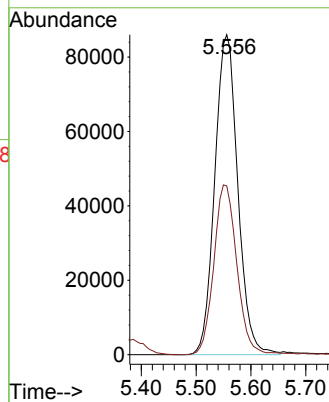
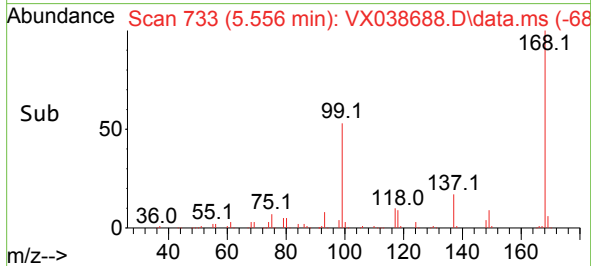


Tgt Ion:168 Resp: 250990

Ion Ratio Lower Upper

168 100

99 52.8 56.6 85.0#



#6

Chloroethane

Concen: 0.333 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.024 min

Lab File: VX038688.D

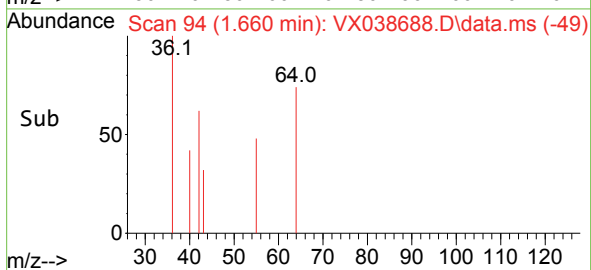
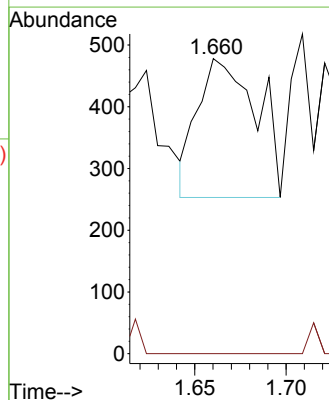
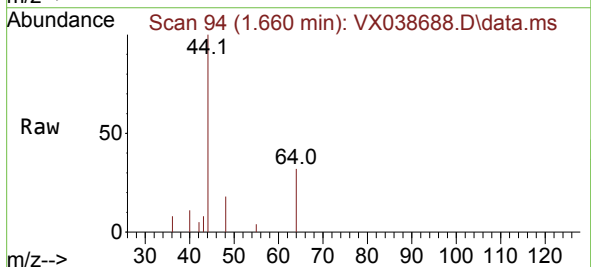
Acq: 09 Nov 2023 18:10

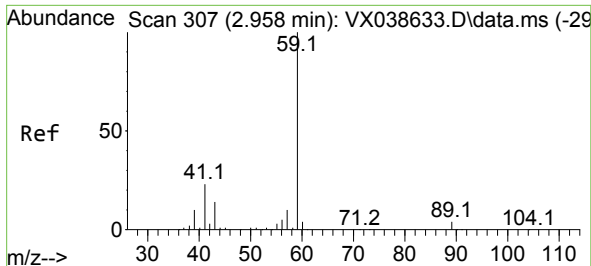
Tgt Ion: 64 Resp: 505

Ion Ratio Lower Upper

64 100

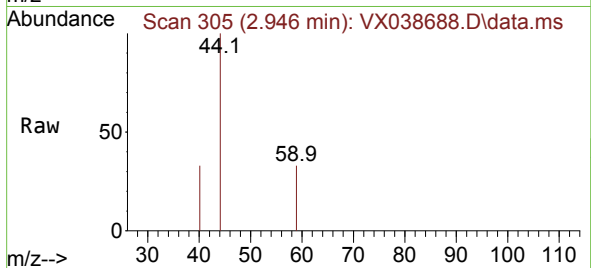
66 0.0 25.1 37.7#



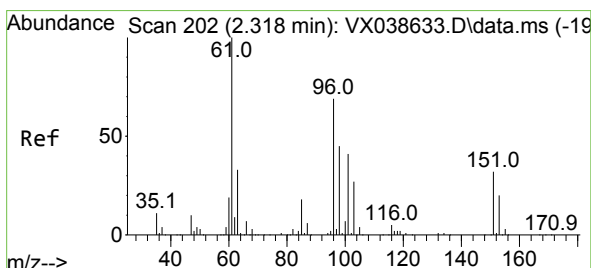
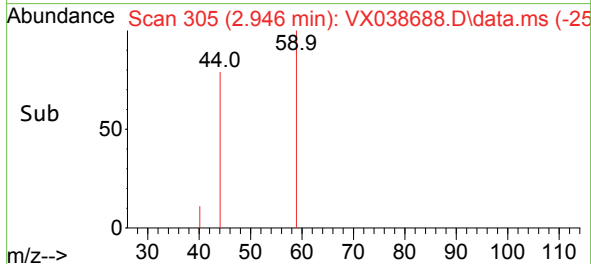
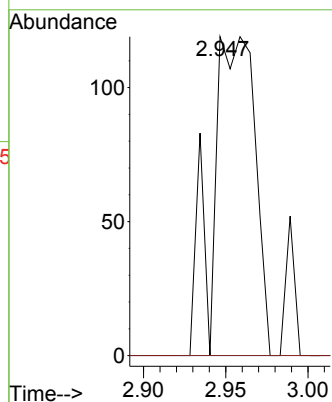


#11
Tert butyl alcohol
Concen: 0.340 ug/l
RT: 2.946 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Instrument :
MSVOA_X
ClientSampleId :

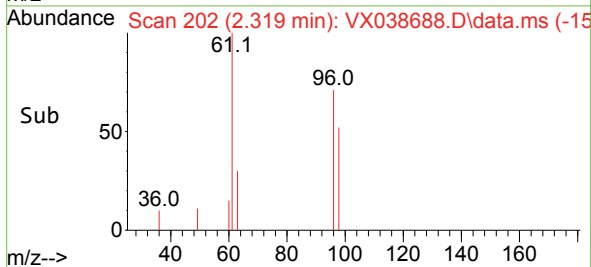
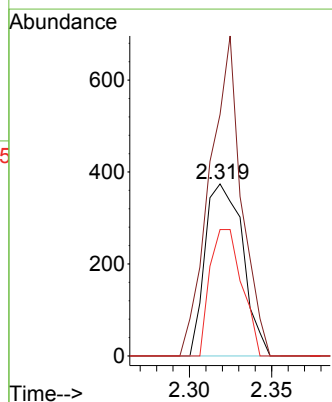
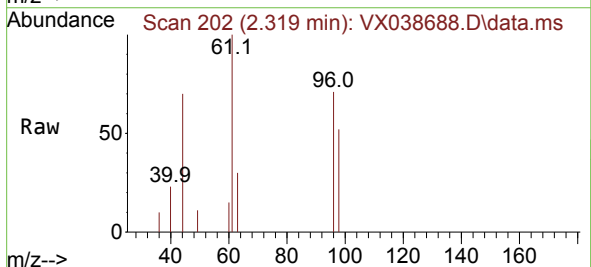


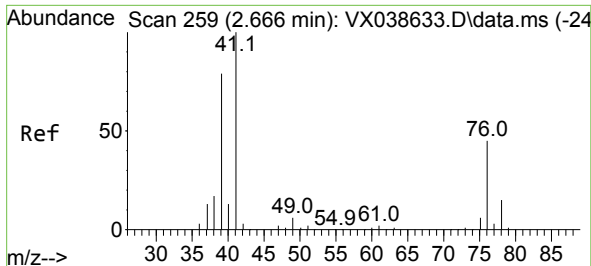
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 0.254 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Tgt Ion: 96 Resp: 594
Ion Ratio Lower Upper
96 100
61 140.4 144.6 216.8#
98 73.5 50.4 75.6

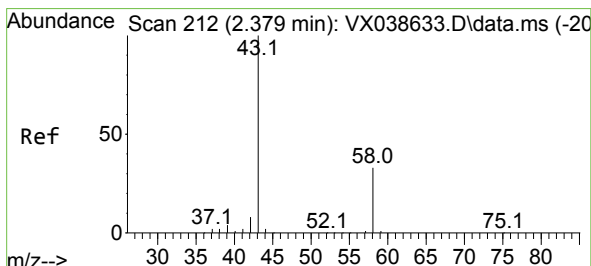
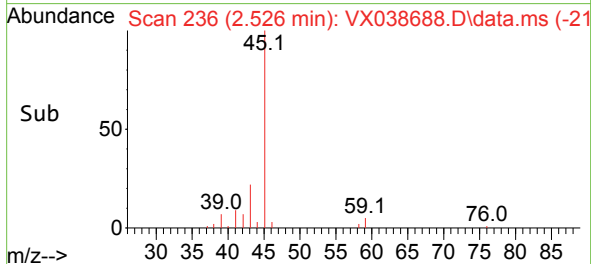
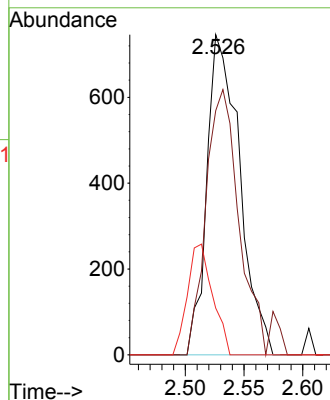
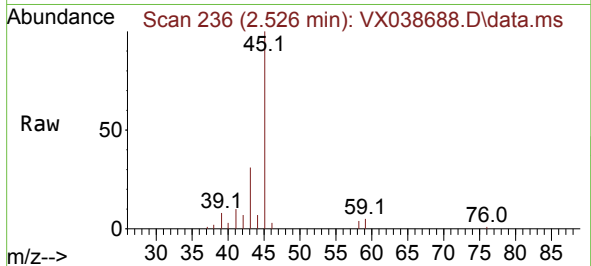




#14
 Allyl chloride
 Concen: 0.431 ug/l
 RT: 2.526 min Scan# 211
 Delta R.T. -0.140 min
 Lab File: VX038688.D
 Acq: 09 Nov 2023 18:10

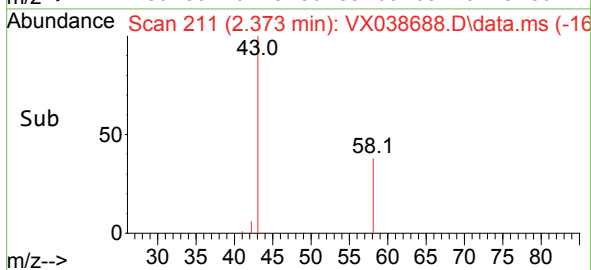
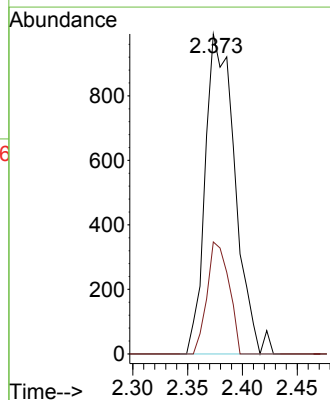
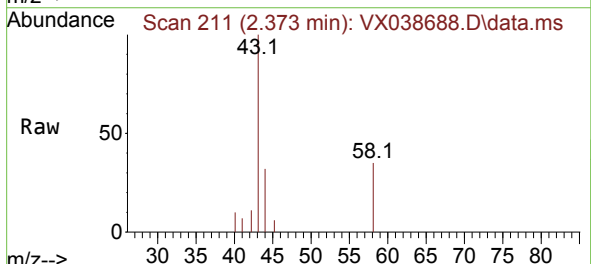
Instrument :
 MSVOA_X
 ClientSampleId :

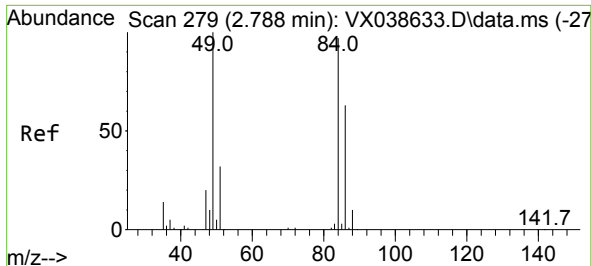
Tgt Ion: 41	Resp: 1445
Ion Ratio	Lower Upper
41 100	
39 83.3	55.8 83.6
76 26.6	24.3 36.5



#16
 Acetone
 Concen: 1.421 ug/l
 RT: 2.373 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VX038688.D
 Acq: 09 Nov 2023 18:10

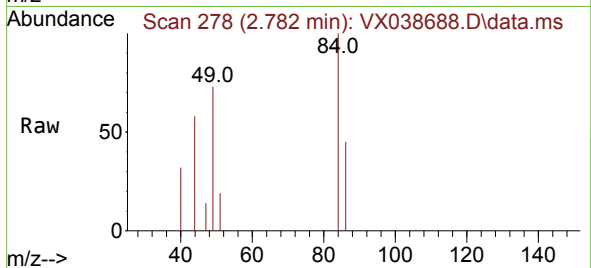
Tgt Ion: 43	Resp: 1870
Ion Ratio	Lower Upper
43 100	
58 35.0	21.9 32.9#



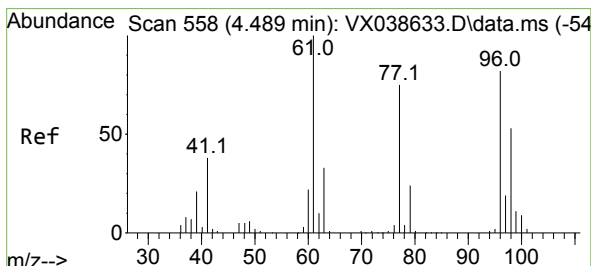
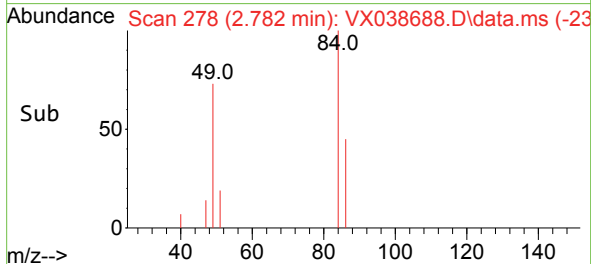
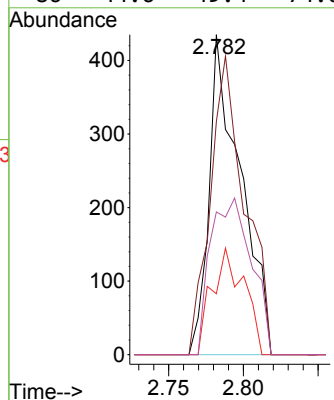


#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Instrument :
MSVOA_X
ClientSampleId :

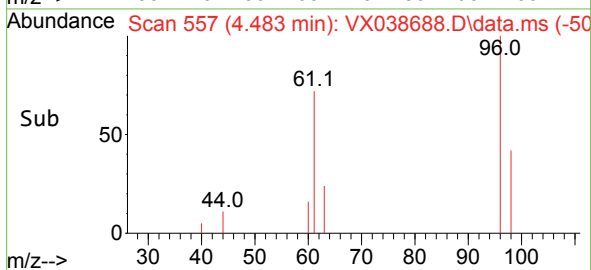
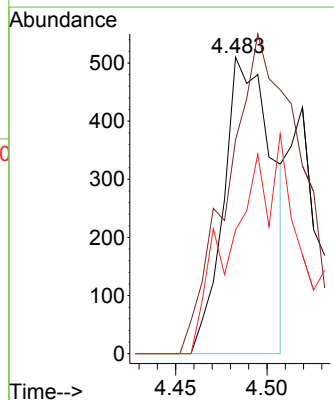
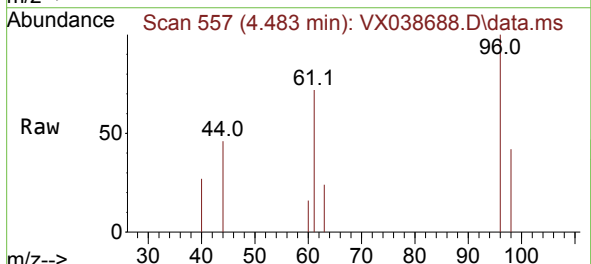


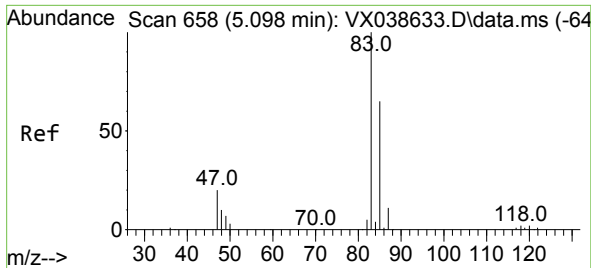
Tgt Ion: 84	Resp: 632
Ion Ratio	Lower Upper
84 100	
49 72.9	103.6 155.4#
51 19.1	33.8 50.6#
86 44.6	49.4 74.0#



#27
cis-1,2-Dichloroethene
Concen: 0.319 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Tgt Ion: 96	Resp: 938
Ion Ratio	Lower Upper
96 100	
61 165.7	0.0 312.2
98 57.0	0.0 129.0

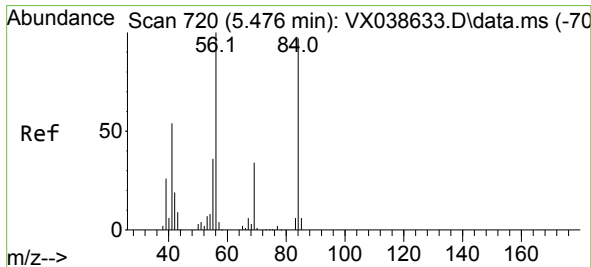
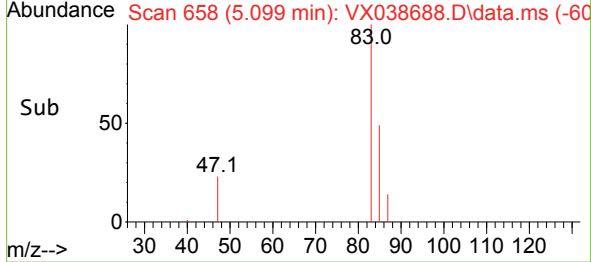
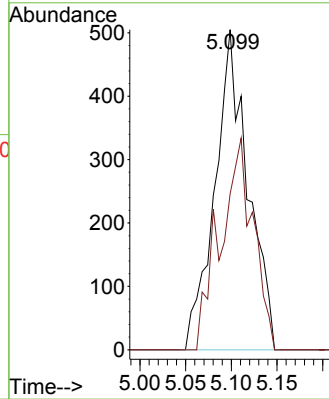
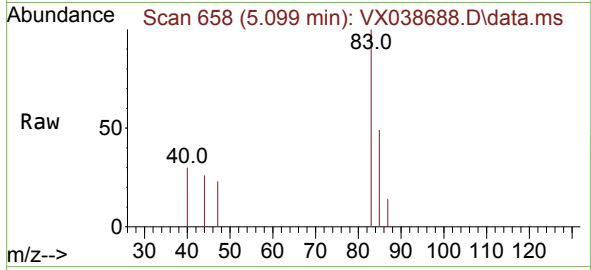




#30
Chloroform
Concen: 0.260 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

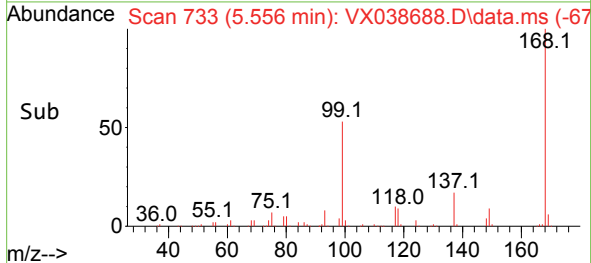
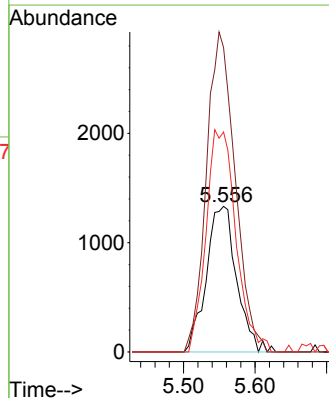
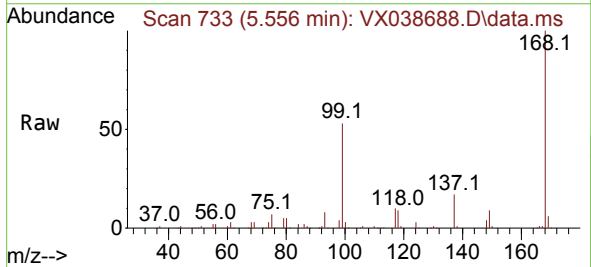
Instrument :
MSVOA_X
ClientSampleId :

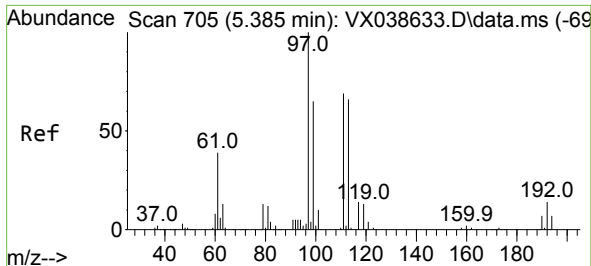
Tgt Ion: 83 Resp: 1277
Ion Ratio Lower Upper
83 100
85 48.7 50.3 75.5#



#31
Cyclohexane
Concen: 1.134 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

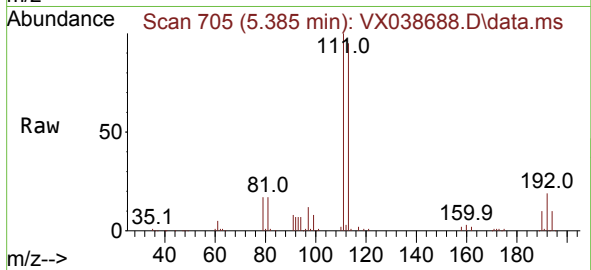
Tgt Ion: 56 Resp: 3923
Ion Ratio Lower Upper
56 100
69 209.2 23.4 35.2#
84 151.1 65.9 98.9#



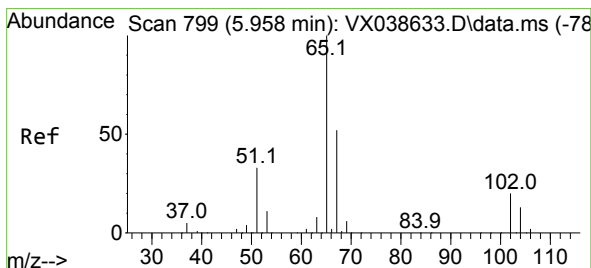
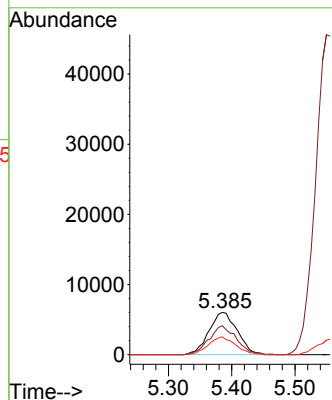
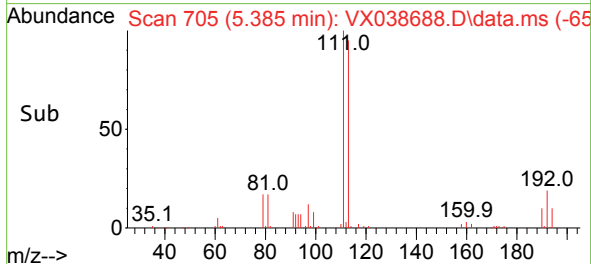


#32
 1,1,1-Trichloroethane
 Concen: 4.333 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX038688.D
 Acq: 09 Nov 2023 18:10

Instrument :
 MSVOA_X
 ClientSampleId :

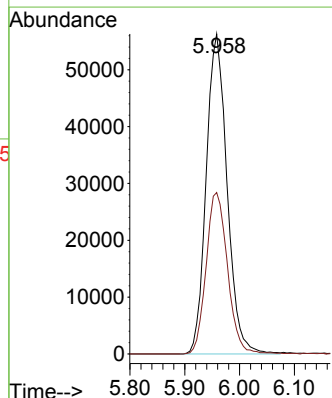
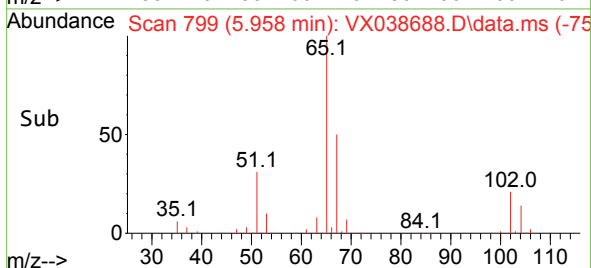
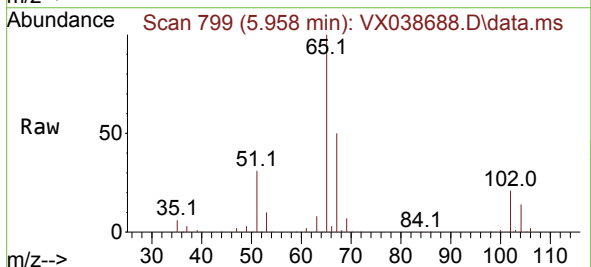


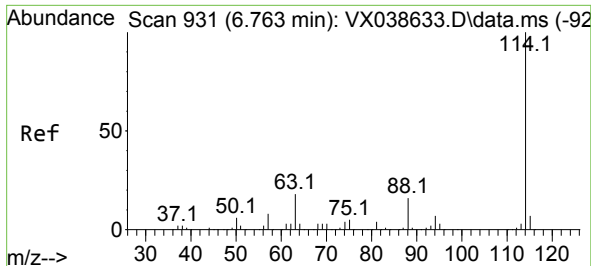
Tgt Ion: 97 Resp: 18716
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.1 76.7
 61 40.7 36.4 54.6



#33
 1,2-Dichloroethane-d4
 Concen: 47.580 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038688.D
 Acq: 09 Nov 2023 18:10

Tgt Ion: 65 Resp: 148676
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 100.2

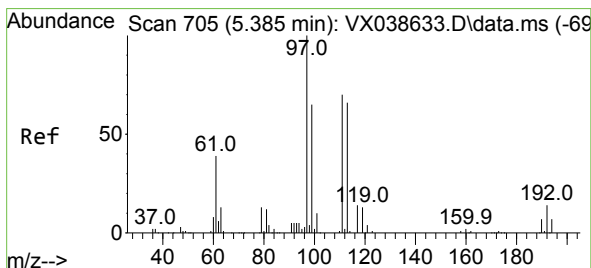
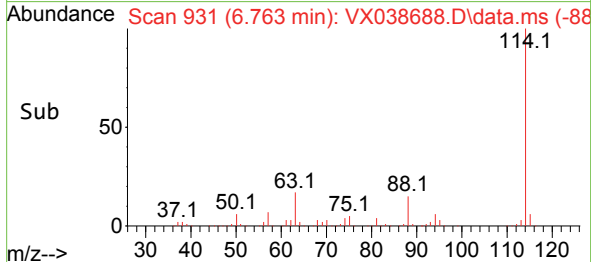
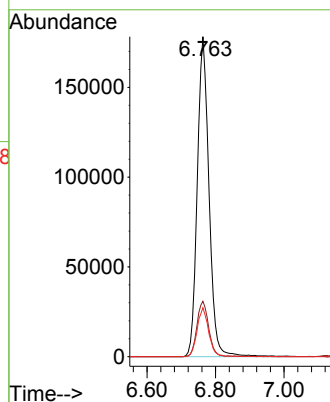
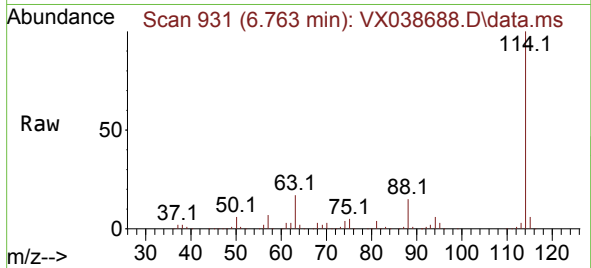




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

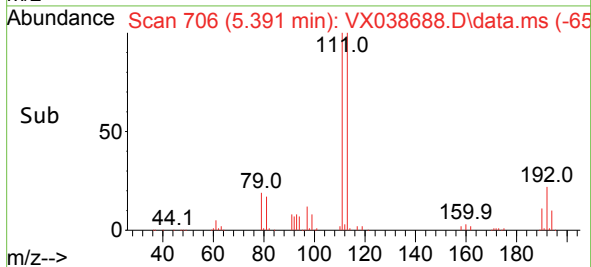
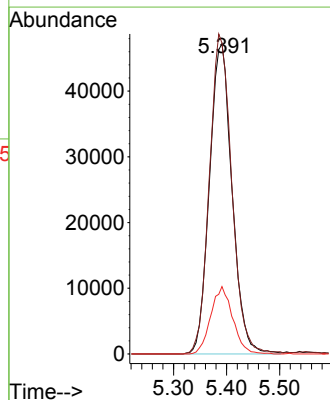
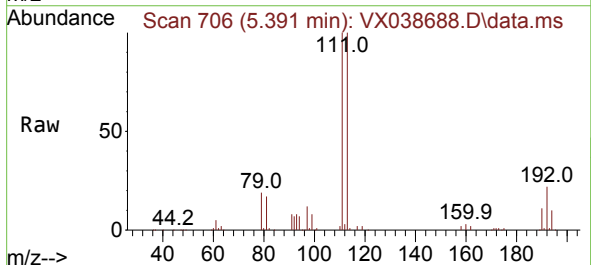
Instrument :
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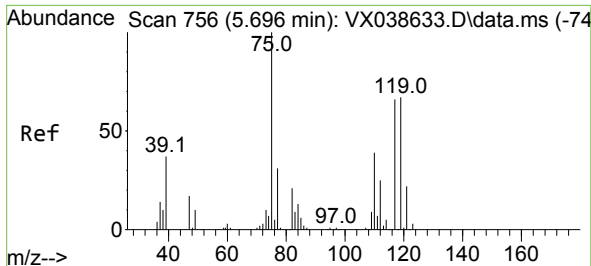
Tgt Ion:114 Resp: 423848
Ion Ratio Lower Upper
114 100
63 17.3 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.711 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Tgt Ion:113 Resp: 139541
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 21.1 13.3 19.9#

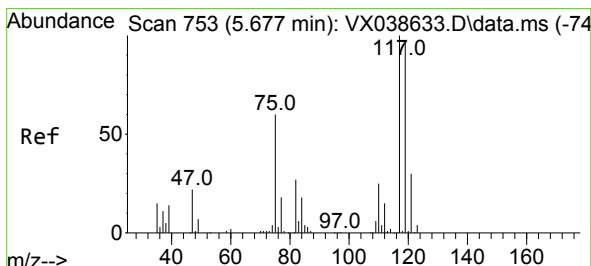
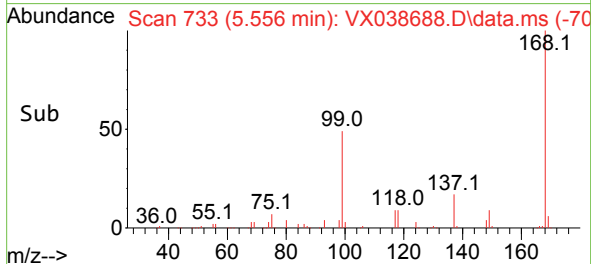
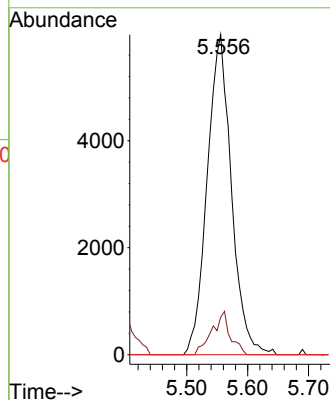
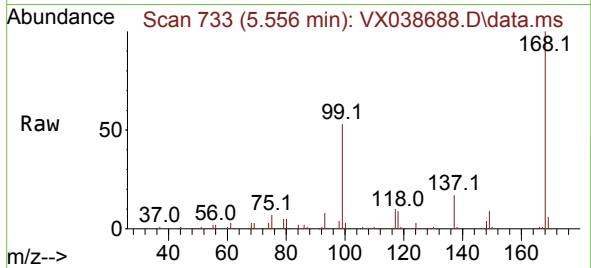




#36
1,1-Dichloropropene
Concen: 4.362 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

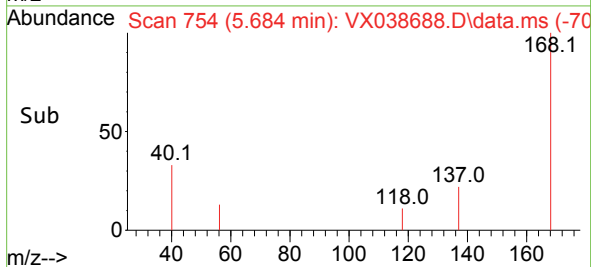
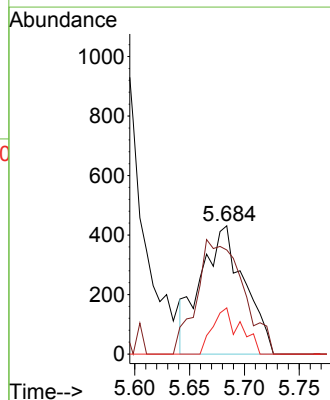
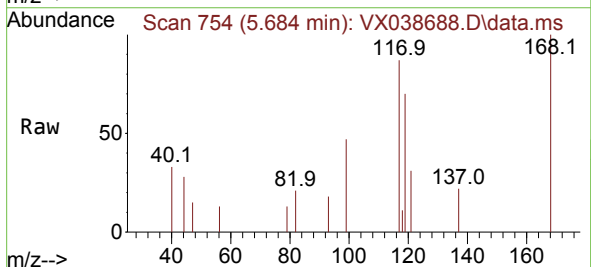
Instrument :
MSVOA_X
ClientSampleId :

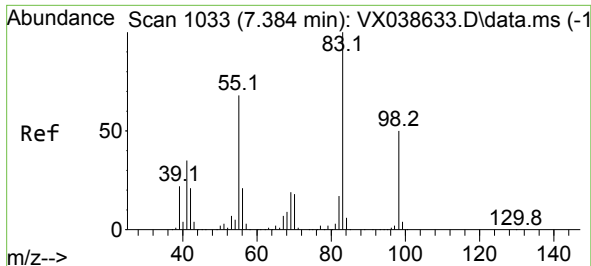
Tgt Ion: 75 Resp: 16539
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.281 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Tgt Ion: 117 Resp: 1190
Ion Ratio Lower Upper
117 100
119 81.2 78.2 117.2
121 36.0 24.4 36.6

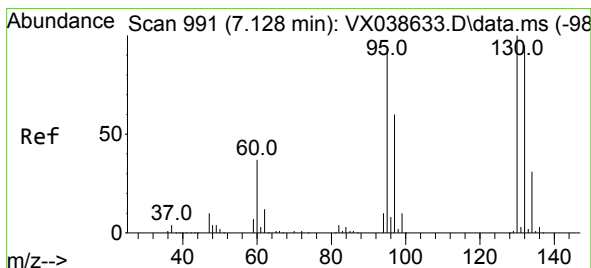
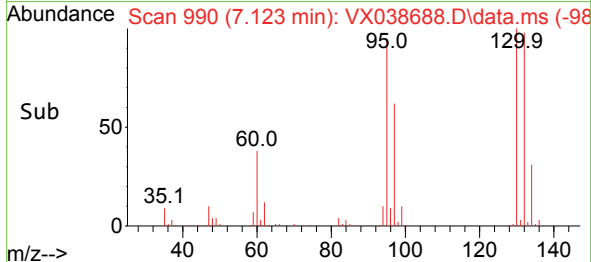
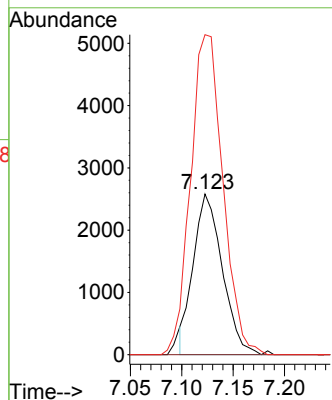
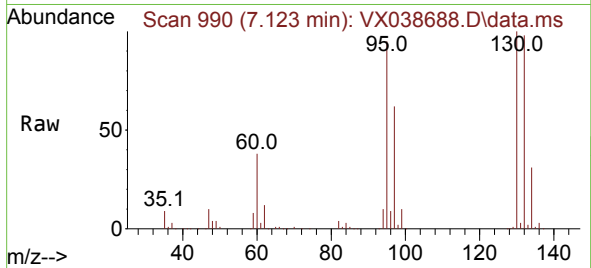




#39
Methylcyclohexane
Concen: 1.068 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

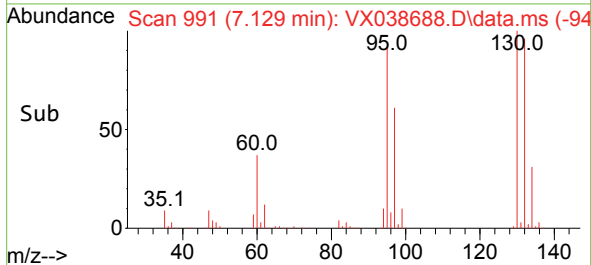
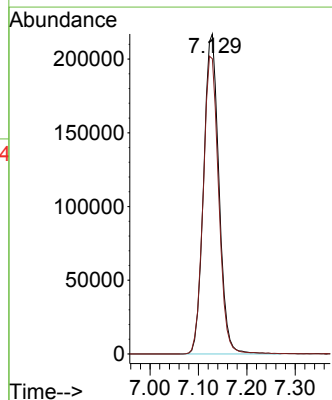
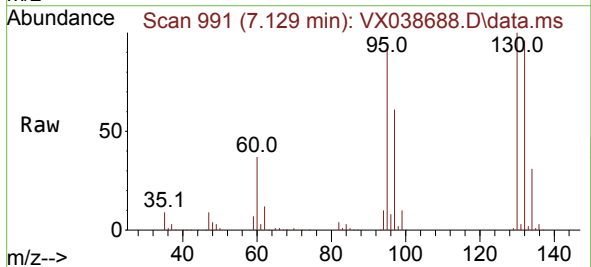
Instrument :
MSVOA_X
ClientSampleId :

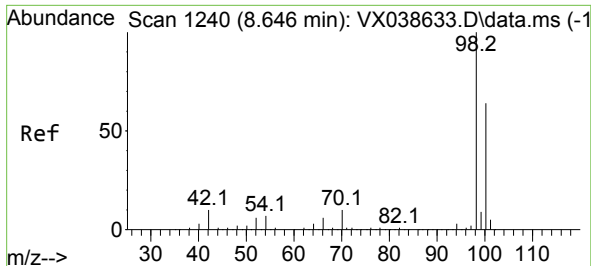
Tgt Ion: 83 Resp: 5063
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 199.2 36.7 55.1#



#44
Trichloroethene
Concen: 140.261 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Tgt Ion:130 Resp: 476649
Ion Ratio Lower Upper
130 100
95 92.3 0.0 204.4

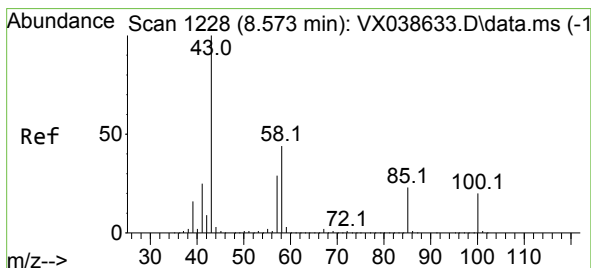
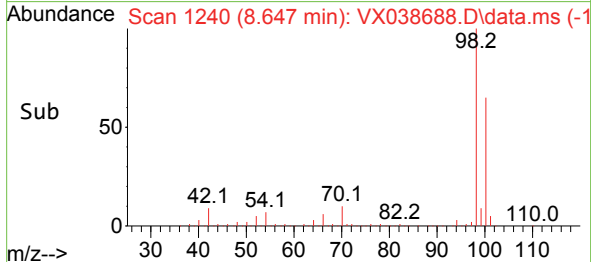
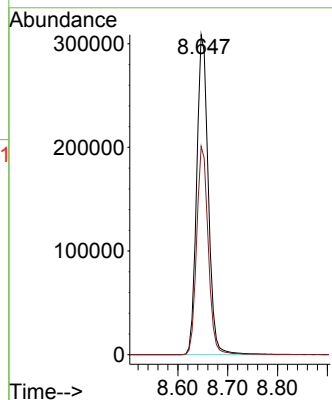
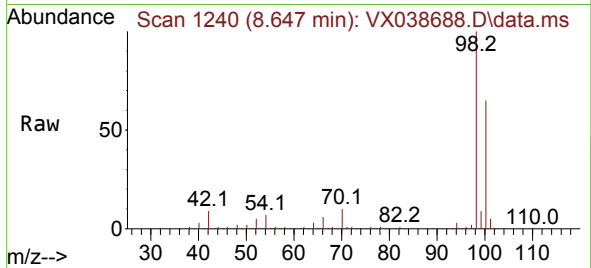




#50
Toluene-d8
Concen: 45.645 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

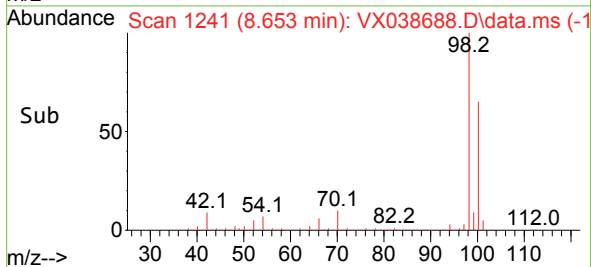
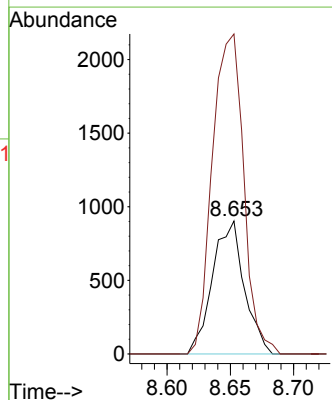
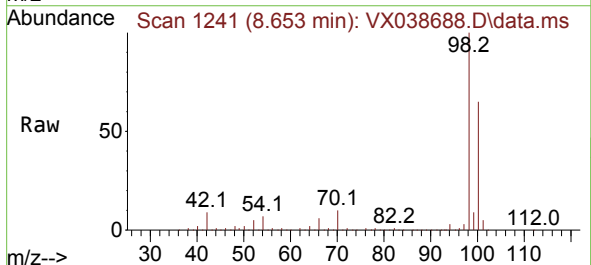
Instrument :
MSVOA_X
ClientSampleId :

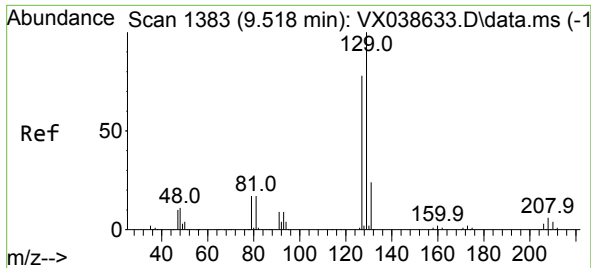
Tgt Ion: 98 Resp: 498614
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.407 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
58 236.7 30.4 45.6#

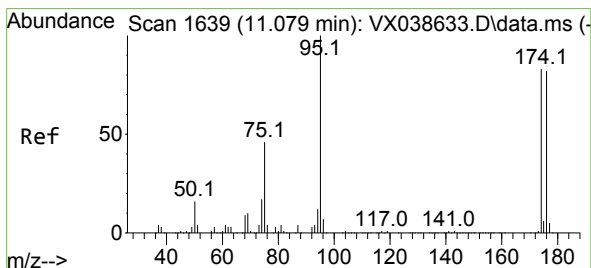
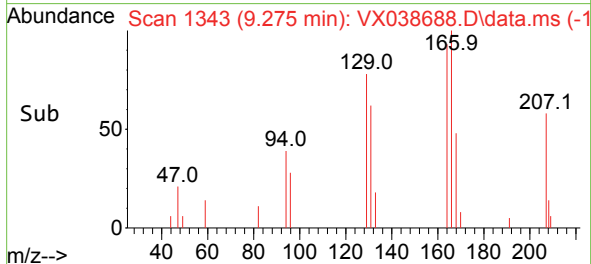
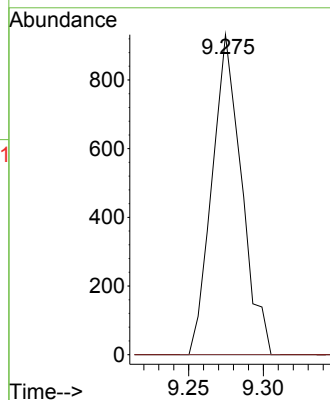
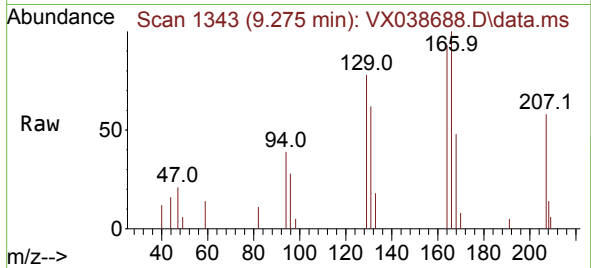




#60
Dibromochloromethane
Concen: 0.376 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

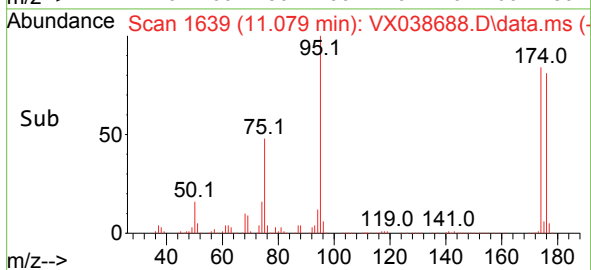
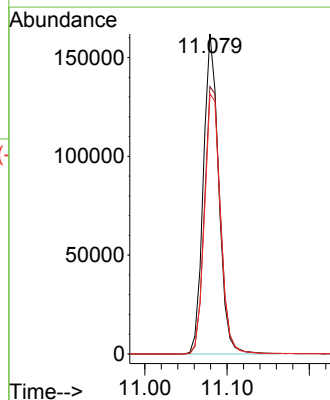
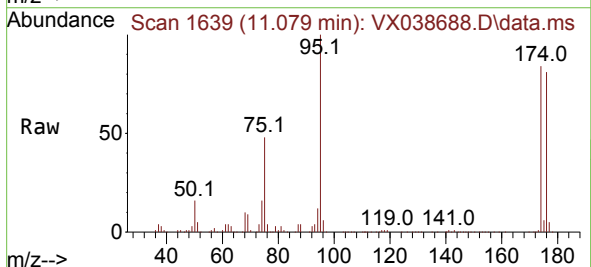
Instrument :
MSVOA_X
ClientSampleId :

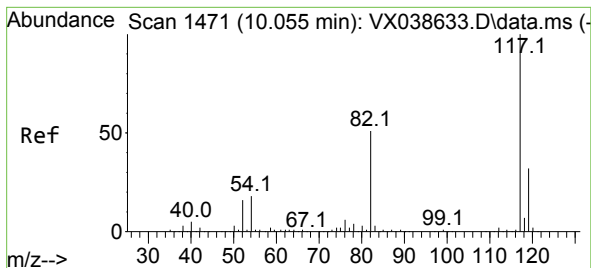
Tgt Ion:129 Resp: 1280
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Tgt Ion: 95 Resp: 210584
Ion Ratio Lower Upper
95 100
174 87.5 0.0 135.6
176 84.6 0.0 131.0

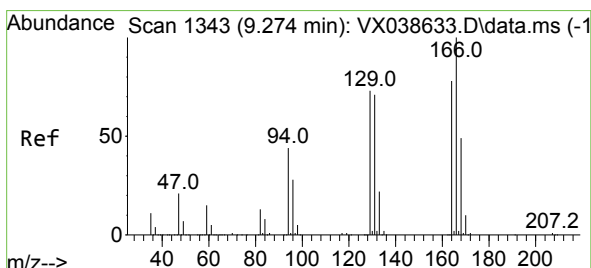
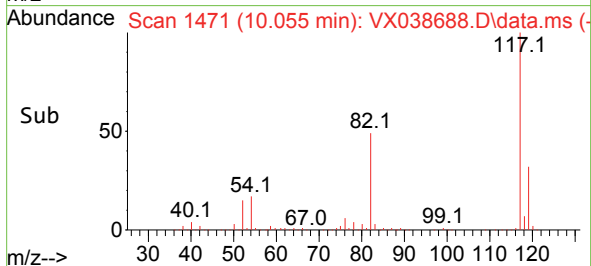
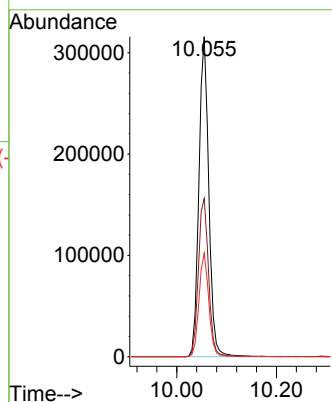
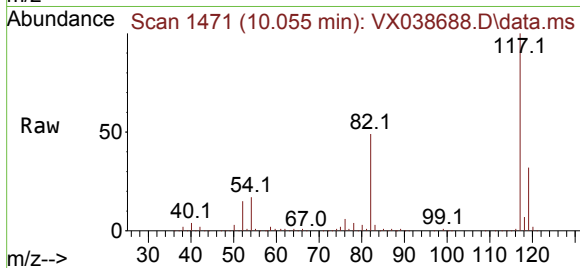




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

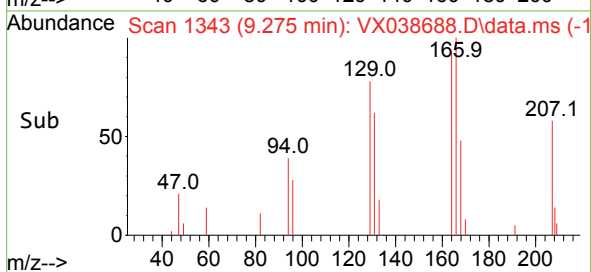
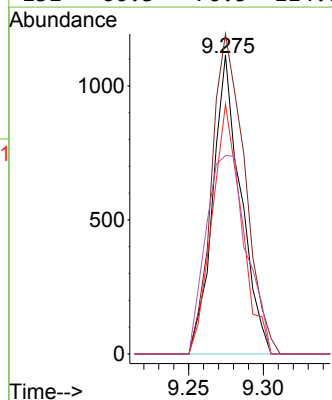
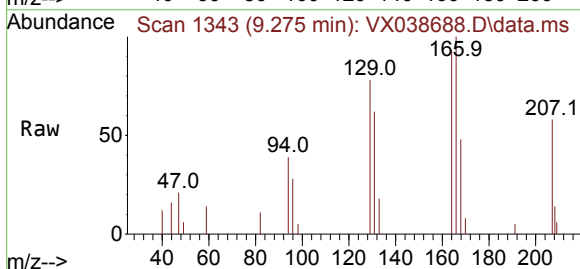
Instrument :
MSVOA_X
ClientSampleId :

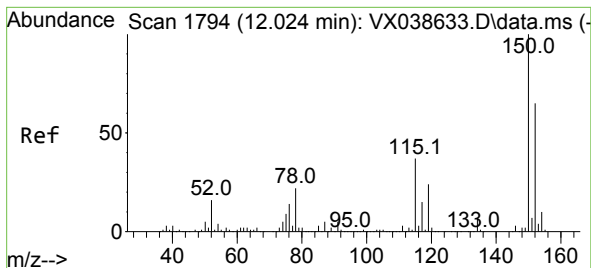
Tgt Ion:117 Resp: 433498
Ion Ratio Lower Upper
117 100
82 49.4 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.447 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Tgt Ion:164 Resp: 1449
Ion Ratio Lower Upper
164 100
166 107.0 102.7 154.1
129 83.5 80.4 120.6
131 66.3 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: VX038688.D

Acq: 09 Nov 2023 18:10

Instrument :

MSVOA_X

ClientSampleId :

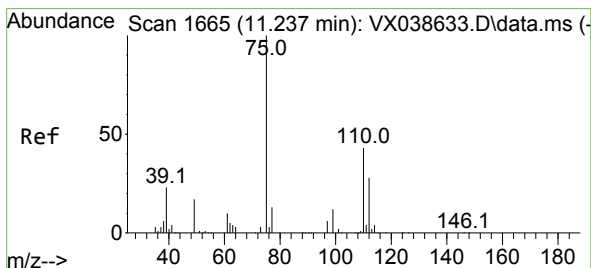
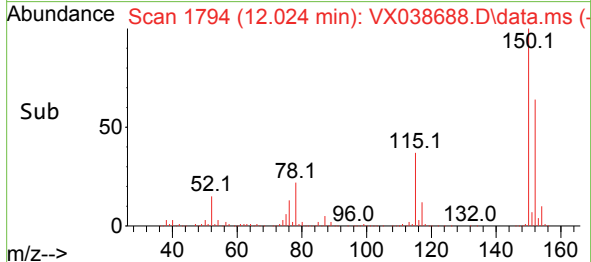
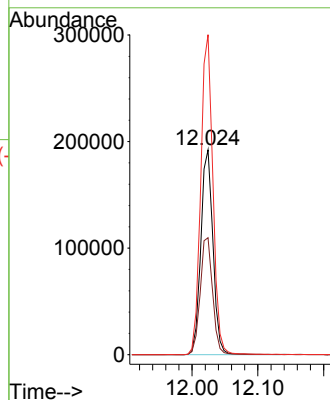
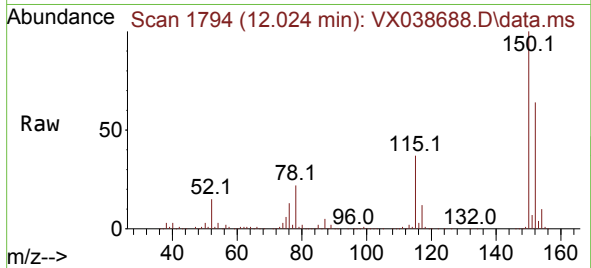
Tgt Ion:152 Resp: 246746

Ion Ratio Lower Upper

152 100

115 58.3 43.3 129.9

150 156.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.773 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038688.D

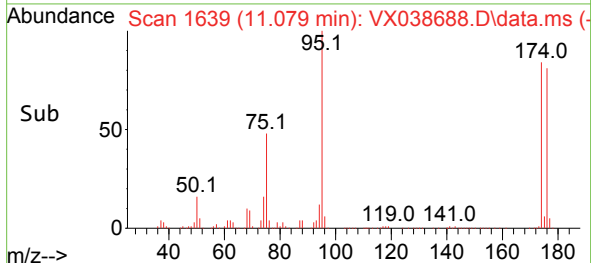
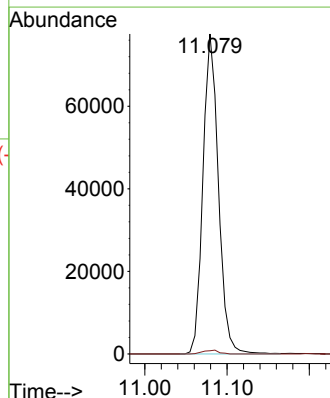
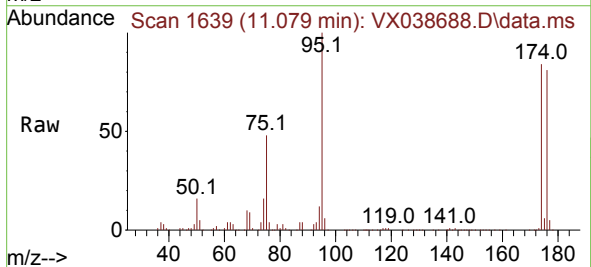
Acq: 09 Nov 2023 18:10

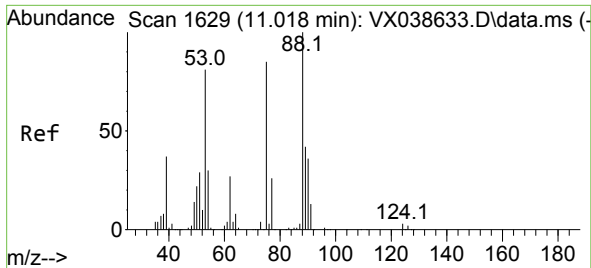
Tgt Ion: 75 Resp: 101515

Ion Ratio Lower Upper

75 100

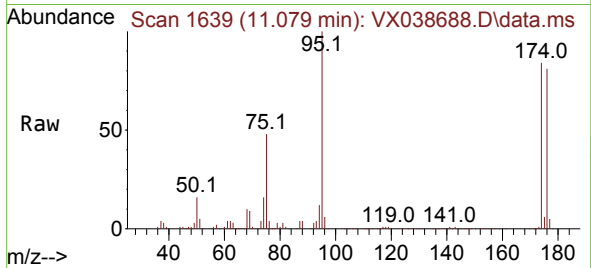
77 1.2 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.222 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX038688.D
Acq: 09 Nov 2023 18:10

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 101515
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

