

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038691.D
 Acq On : 09 Nov 2023 19:20
 Operator : JC/MD
 Sample : 05241-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 03:44:44 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)

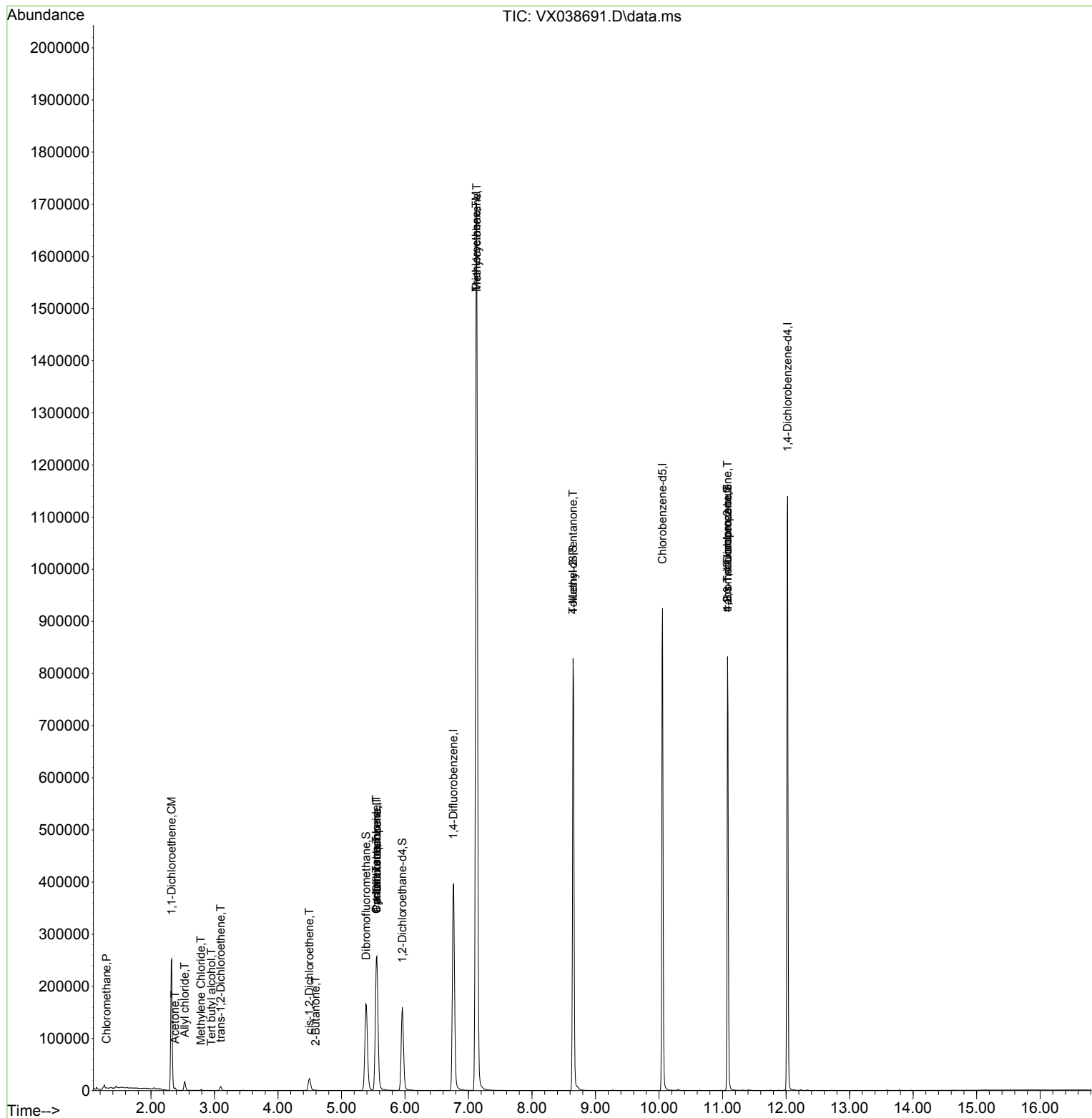
Internal Standards						
1) Pentafluorobenzene	5.556	168	270665	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	447244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	467106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156759	46.520	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.040%
35) Dibromofluoromethane	5.385	113	145070	45.036	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.080%
50) Toluene-d8	8.647	98	534614	46.381	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.760%
62) 4-Bromofluorobenzene	11.079	95	226087	50.590	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.180%
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	585	0.241	ug/l	96
11) Tert butyl alcohol	2.953	59	139	0.202	ug/l	# 78
12) 1,1-Dichloroethene	2.325	96	90978	36.017	ug/l	# 76
14) Allyl chloride	2.532	41	1760	0.486	ug/l	# 63
16) Acetone	2.380	43	4341	3.059	ug/l	99
20) Methylene Chloride	2.788	84	806	0.282	ug/l	# 71
21) trans-1,2-Dichloroethene	3.099	96	3274	1.191	ug/l	# 86
25) 2-Butanone	4.593	43	789	0.384	ug/l	# 51
27) cis-1,2-Dichloroethene	4.495	96	16291	5.130	ug/l	77
31) Cyclohexane	5.550	56	4469	1.198	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	17127	4.280	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	25571	5.717	ug/l	# 15
39) Methylcyclohexane	7.129	83	7318	1.463	ug/l	# 1
44) Trichloroethene	7.123	130	712811	198.782	ug/l	93
51) 4-Methyl-2-Pentanone	8.647	43	1700	0.415	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	108592	20.738	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	108592	63.126	ug/l	# 5

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

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

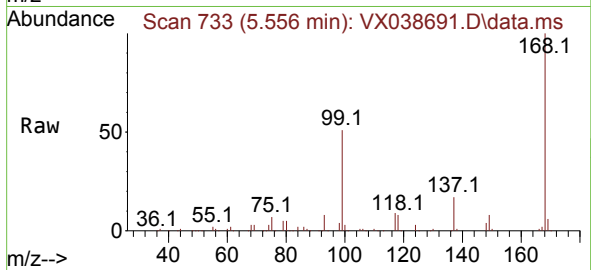
Lab File: VX038691.D

Acq: 09 Nov 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :

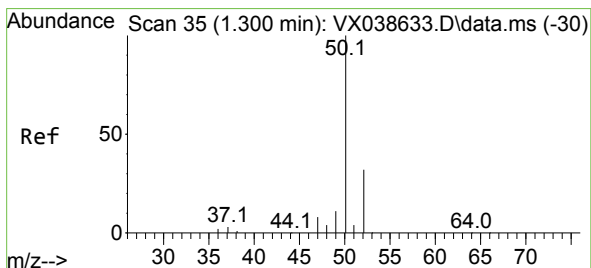
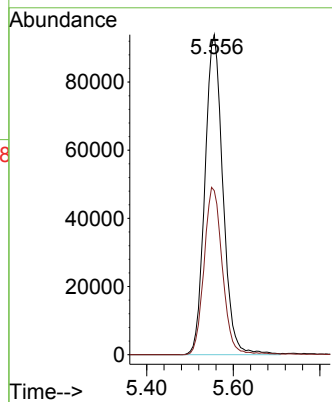
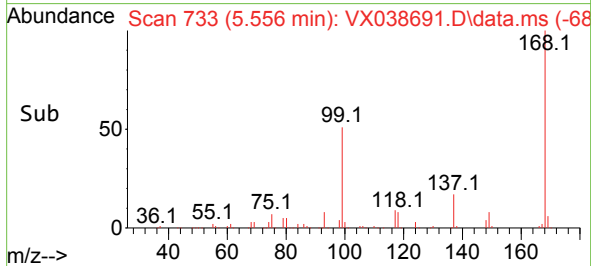


Tgt Ion:168 Resp: 270665

Ion Ratio Lower Upper

168 100

99 51.3 56.6 85.0#



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.300 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX038691.D

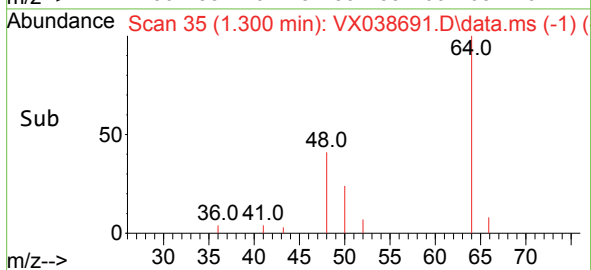
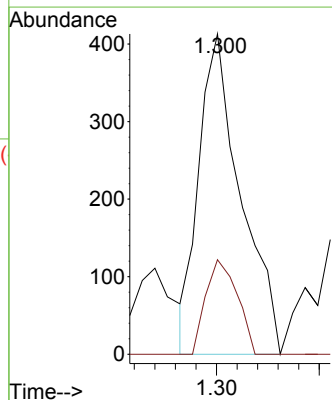
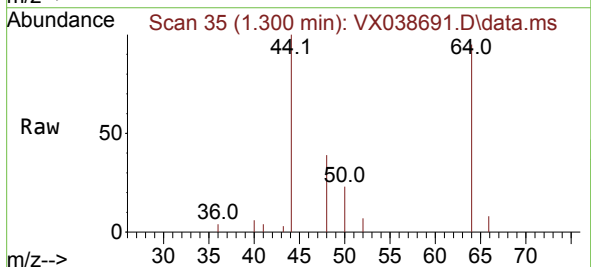
Acq: 09 Nov 2023 19:20

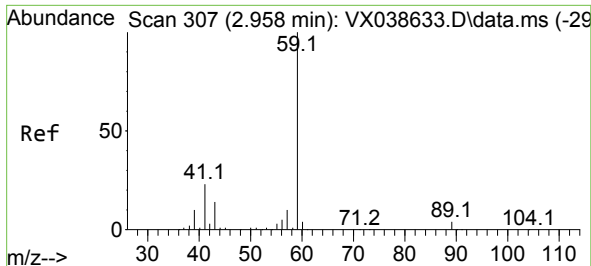
Tgt Ion: 50 Resp: 585

Ion Ratio Lower Upper

50 100

52 29.5 25.5 38.3

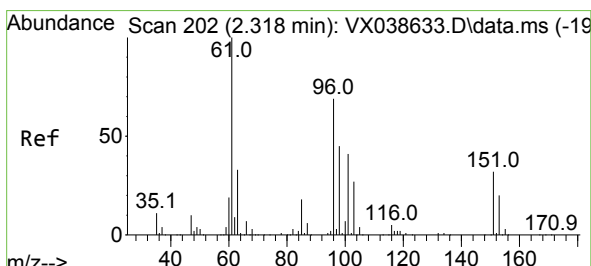
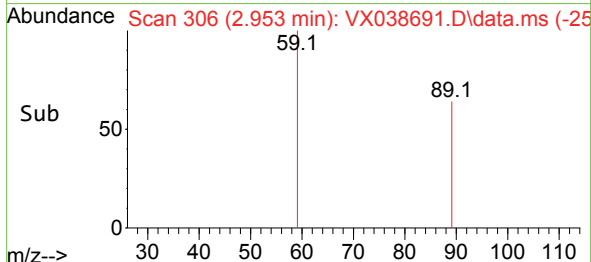
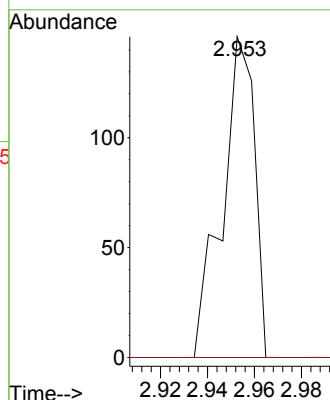
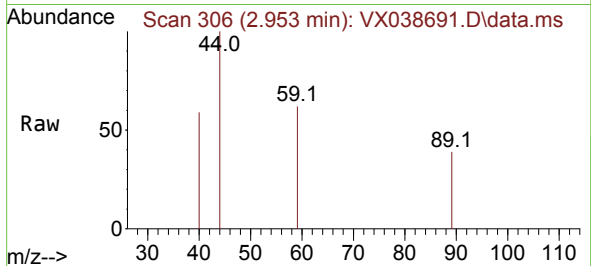




#11
Tert butyl alcohol
Concen: 0.202 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

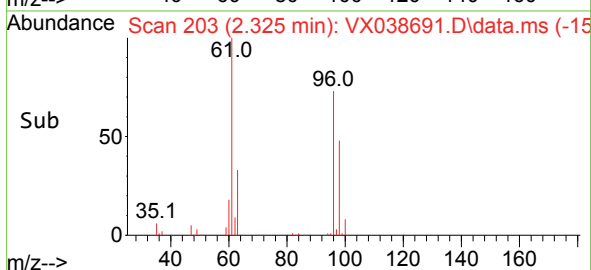
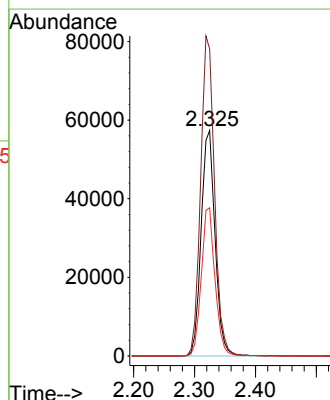
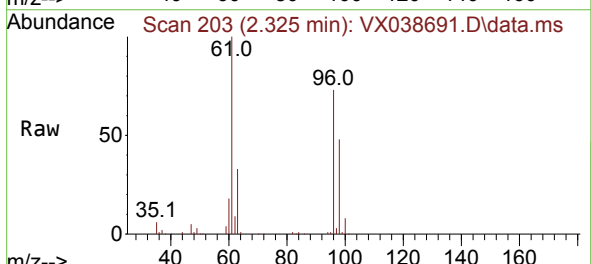
Instrument :
MSVOA_X
ClientSampleId :

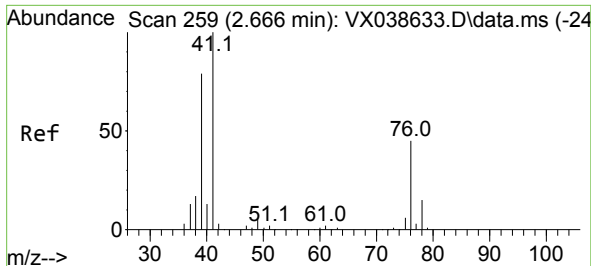
Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 36.017 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

Tgt Ion: 96 Resp: 90978
Ion Ratio Lower Upper
96 100
61 136.2 144.6 216.8#
98 65.7 50.4 75.6

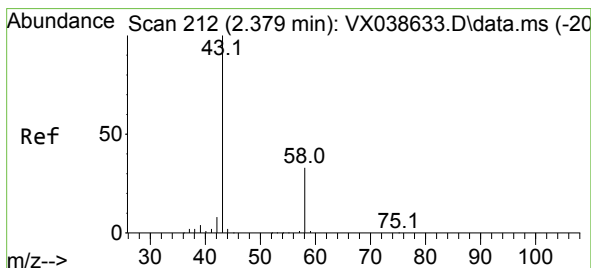
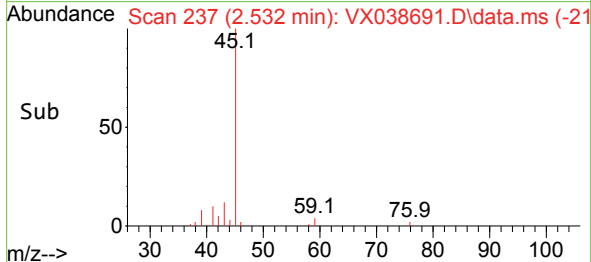
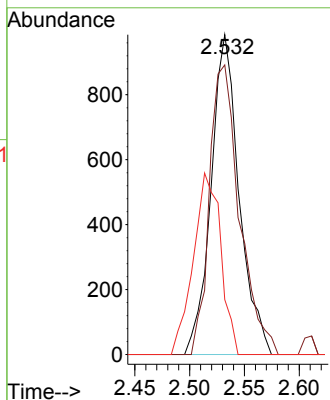
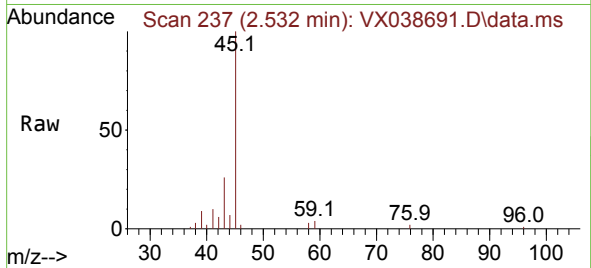




#14
 Allyl chloride
 Concen: 0.486 ug/l
 RT: 2.532 min Scan# 217
 Delta R.T. -0.134 min
 Lab File: VX038691.D
 Acq: 09 Nov 2023 19:20

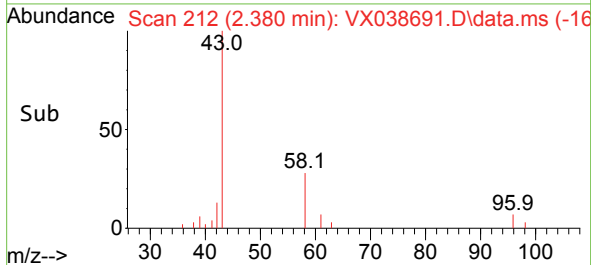
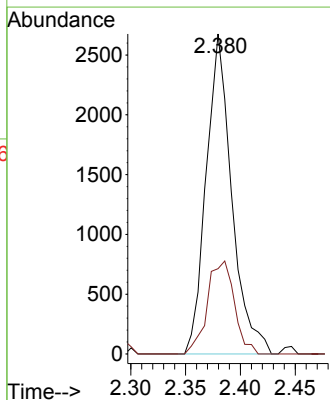
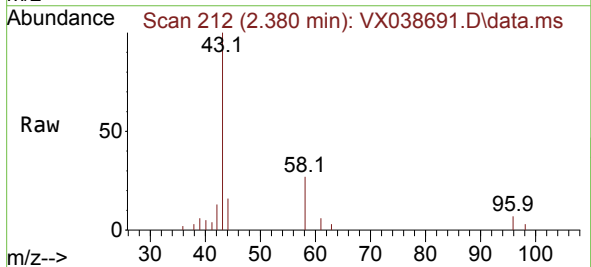
Instrument :
 MSVOA_X
 ClientSampleId :

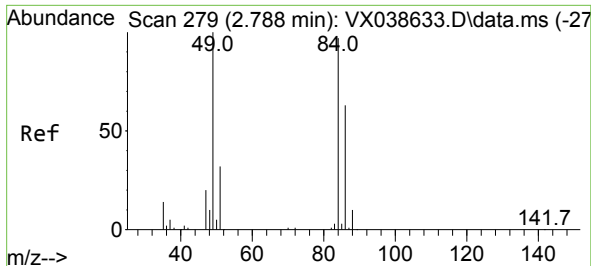
Tgt Ion: 41 Resp: 1760
 Ion Ratio Lower Upper
 41 100
 39 96.6 55.8 83.6#
 76 55.2 24.3 36.5#



#16
 Acetone
 Concen: 3.059 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.000 min
 Lab File: VX038691.D
 Acq: 09 Nov 2023 19:20

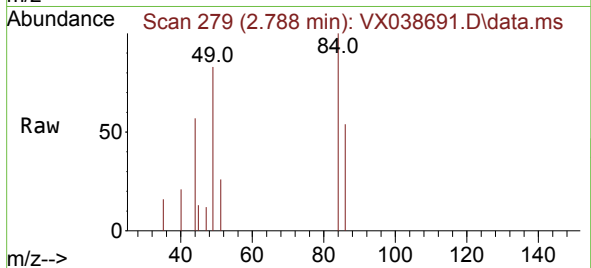
Tgt Ion: 43 Resp: 4341
 Ion Ratio Lower Upper
 43 100
 58 26.6 21.9 32.9



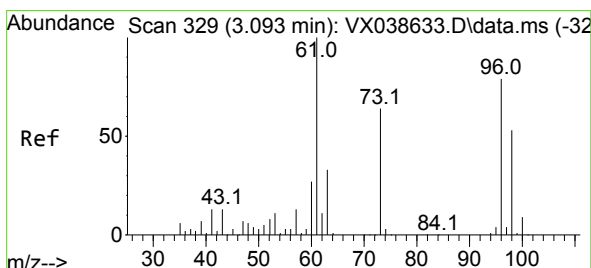
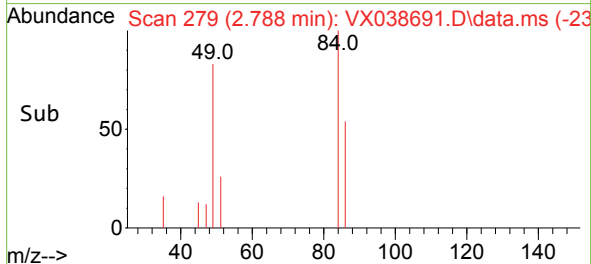
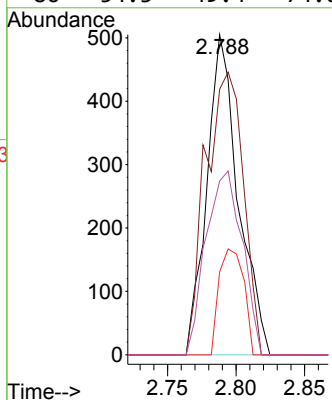


#20
Methylene Chloride
Concen: 0.282 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :

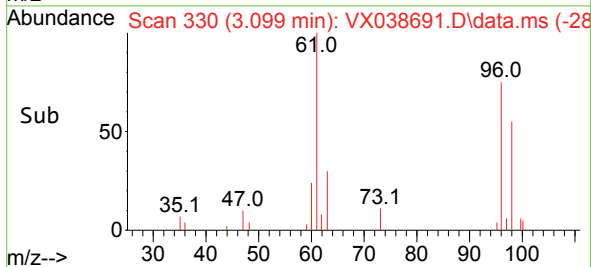
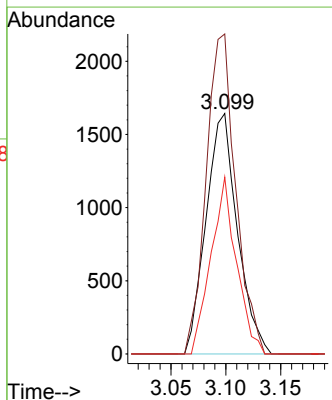
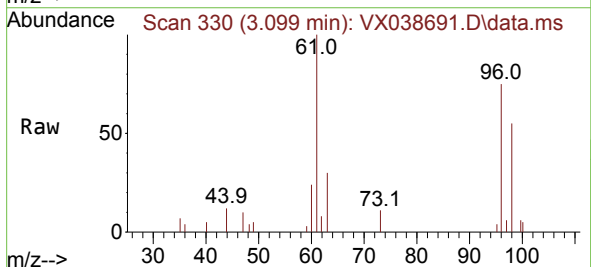


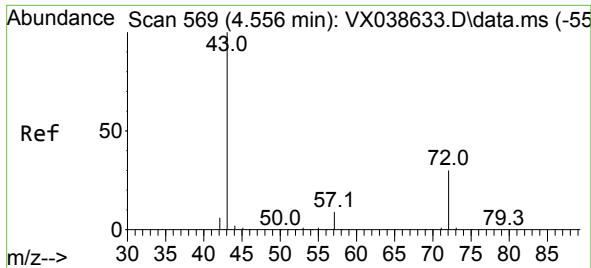
Tgt Ion: 84	Resp: 806
Ion Ratio	Lower Upper
84 100	
49 83.0	103.6 155.4#
51 25.9	33.8 50.6#
86 54.3	49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 1.191 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

Tgt Ion: 96	Resp: 3274		
Ion Ratio	Lower	Upper	
96 100			
61 133.0	119.2	178.8	
98 73.5	48.7	73.1#	

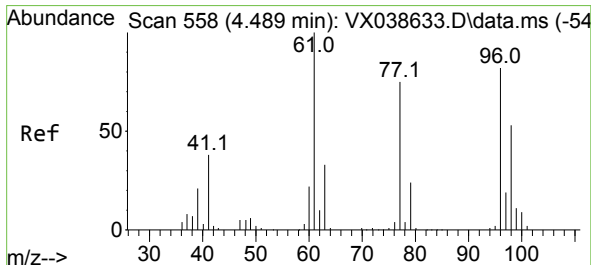
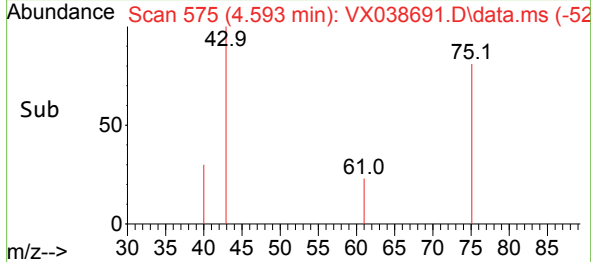
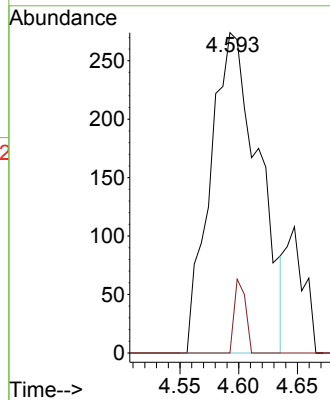
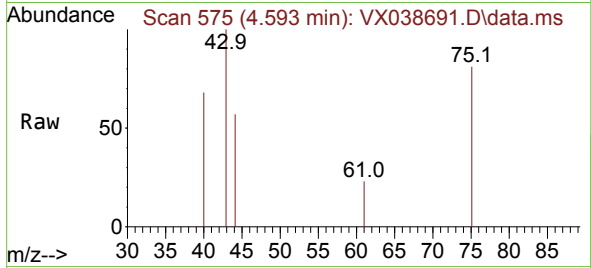




#25
2-Butanone
Concen: 0.384 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

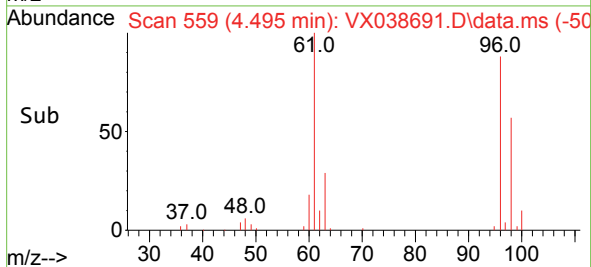
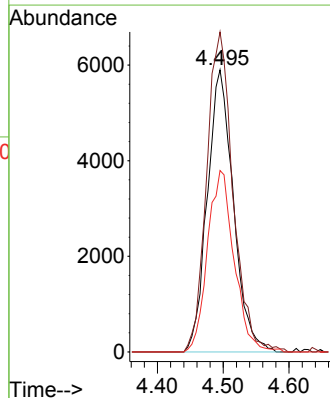
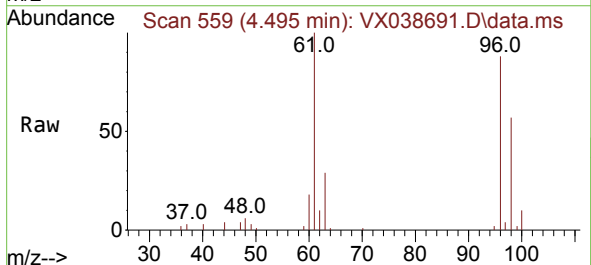
Instrument :
MSVOA_X
ClientSampleId :

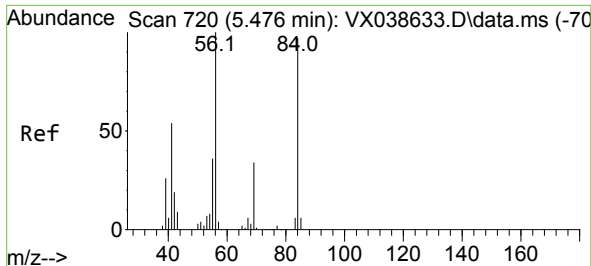
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 5.130 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

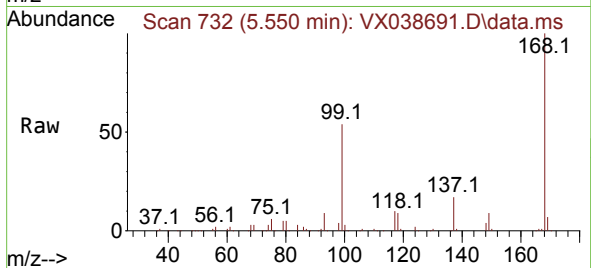
Tgt Ion: 96 Resp: 16291
Ion Ratio Lower Upper
96 100
61 114.7 0.0 312.2
98 65.6 0.0 129.0



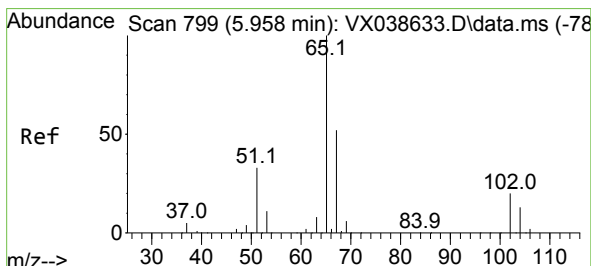
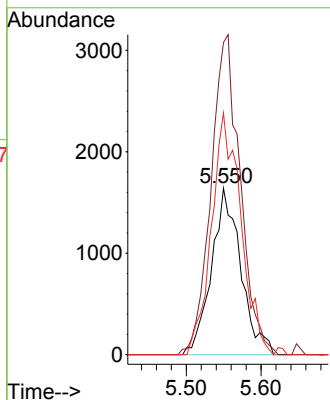
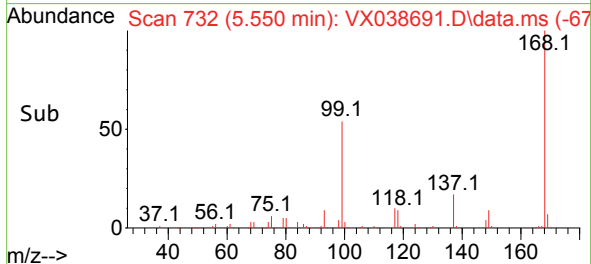


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :

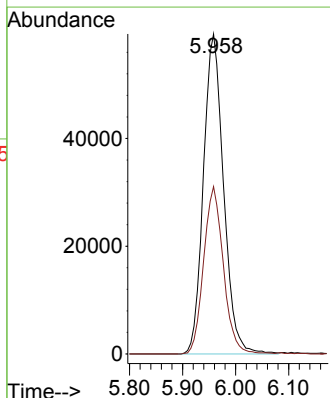
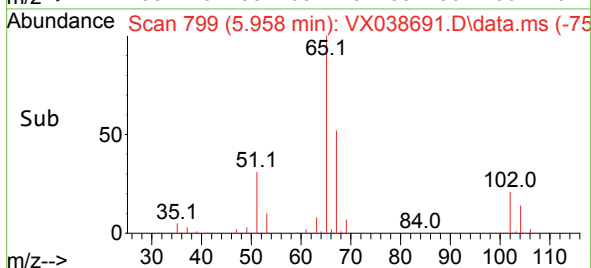
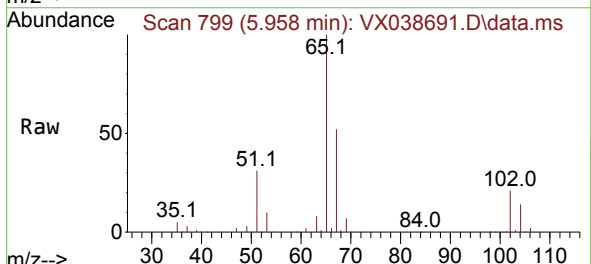


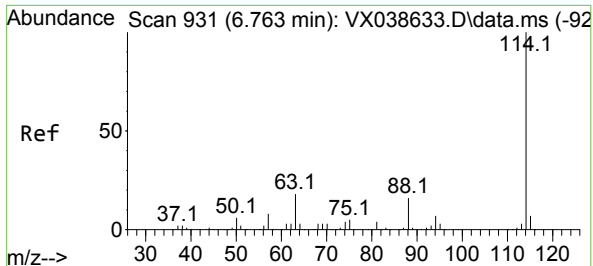
Tgt Ion: 56 Resp: 4469
Ion Ratio Lower Upper
56 100
69 187.4 23.4 35.2#
84 145.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.520 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

Tgt Ion: 65 Resp: 156759
Ion Ratio Lower Upper
65 100
67 51.2 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: VX038691.D

Acq: 09 Nov 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :

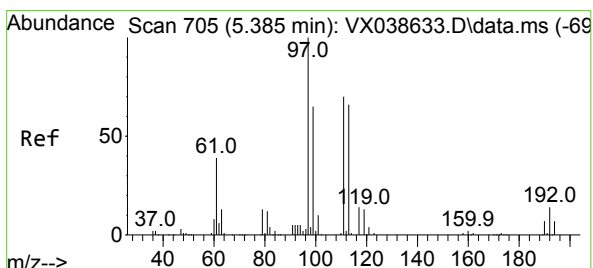
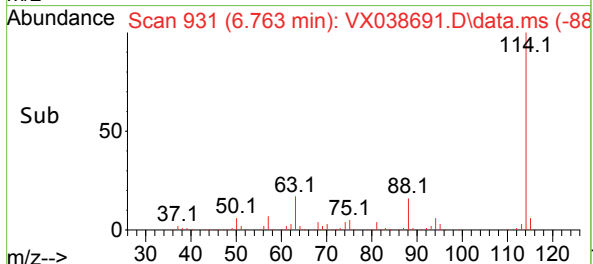
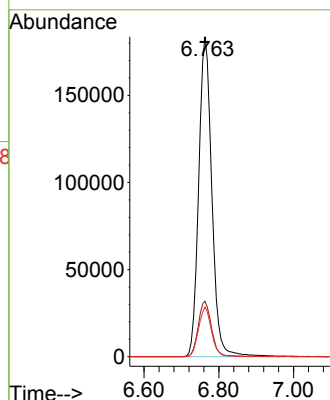
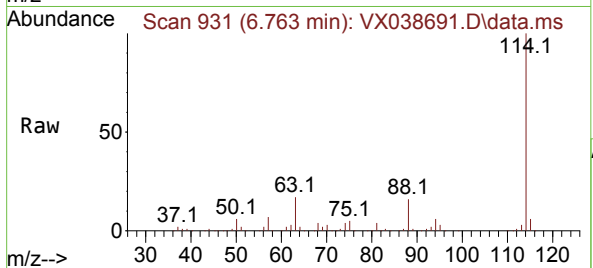
Tgt Ion:114 Resp: 447244

Ion Ratio Lower Upper

114 100

63 17.3 0.0 45.0

88 15.5 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.036 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038691.D

Acq: 09 Nov 2023 19:20

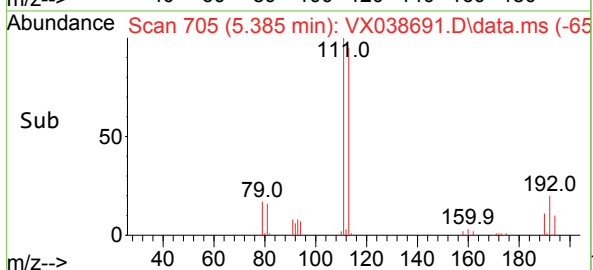
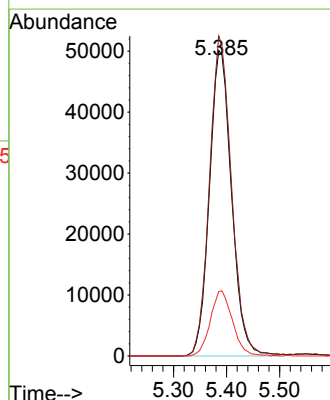
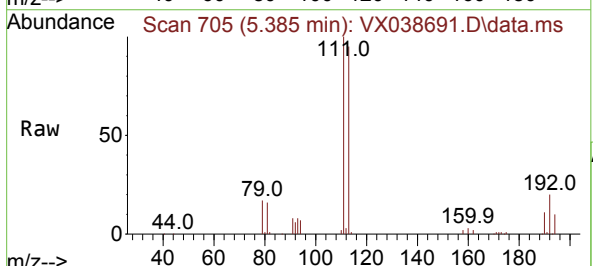
Tgt Ion:113 Resp: 145070

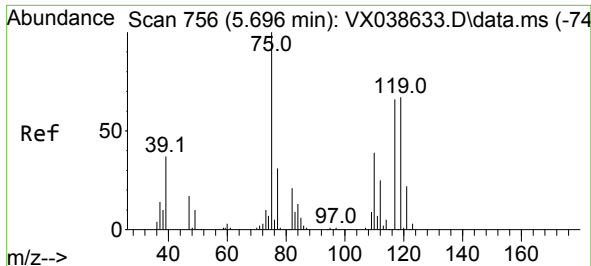
Ion Ratio Lower Upper

113 100

111 104.7 82.9 124.3

192 21.4 13.3 19.9#

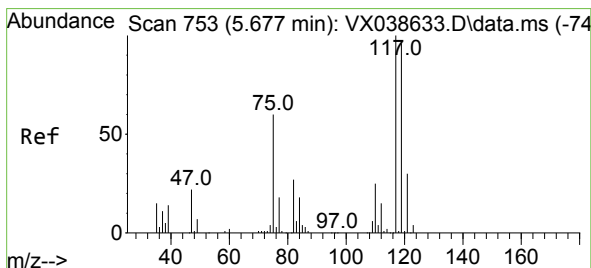
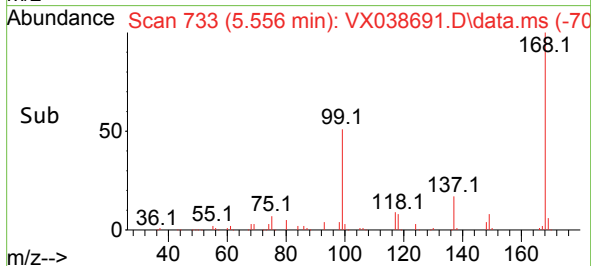
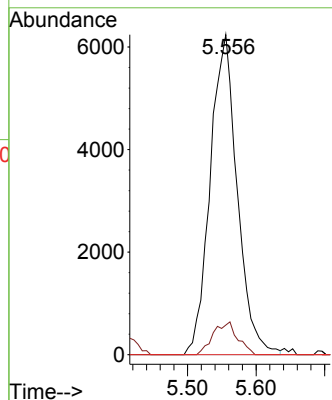
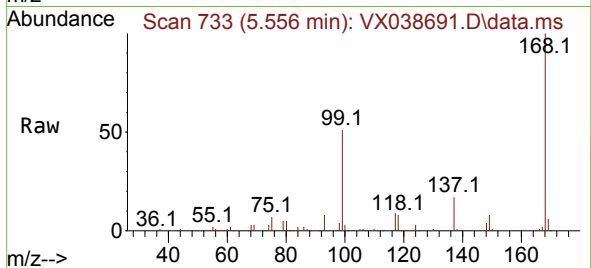




#36
1,1-Dichloropropene
Concen: 4.280 ug/l
RT: 5.556 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

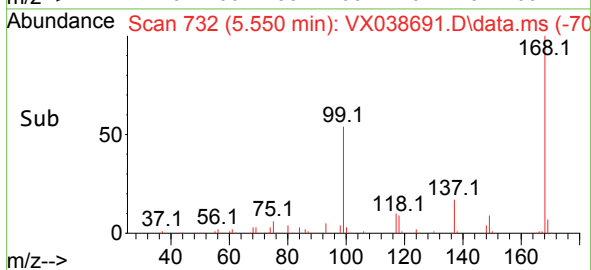
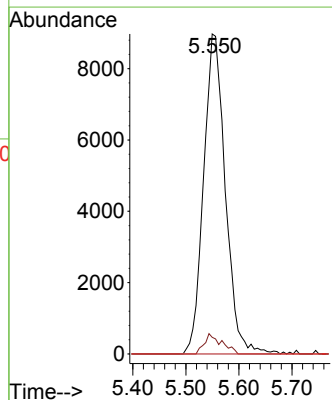
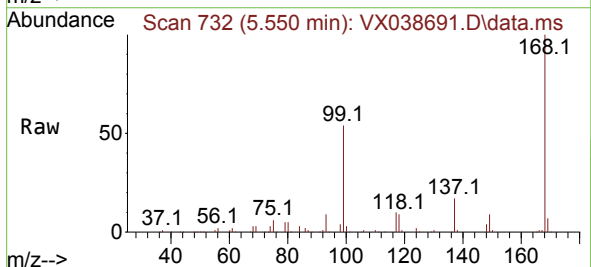
Instrument :
MSVOA_X
ClientSampleId :

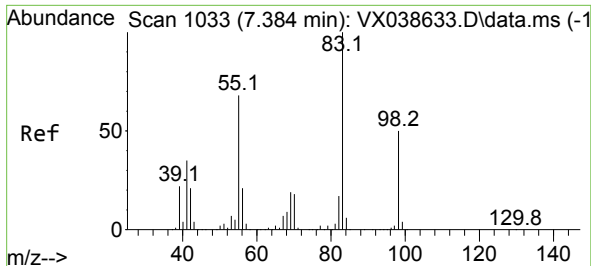
Tgt Ion: 75 Resp: 17127
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.717 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

Tgt Ion: 117 Resp: 25571
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#

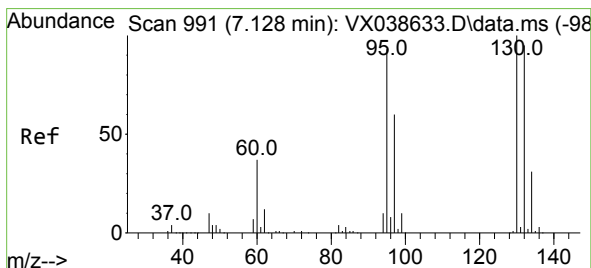
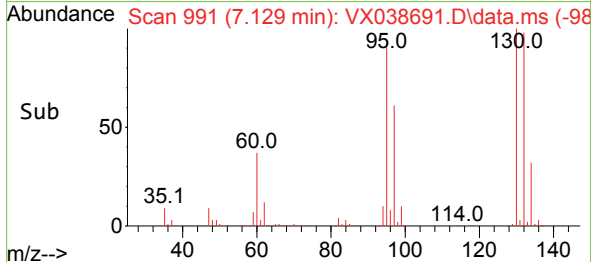
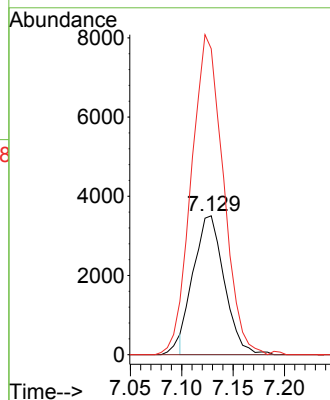
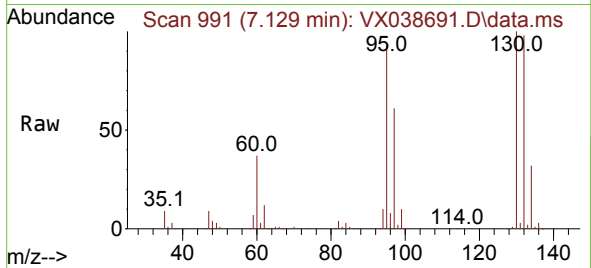




#39
Methylcyclohexane
Concen: 1.463 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

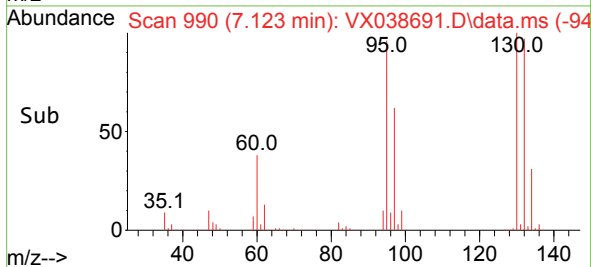
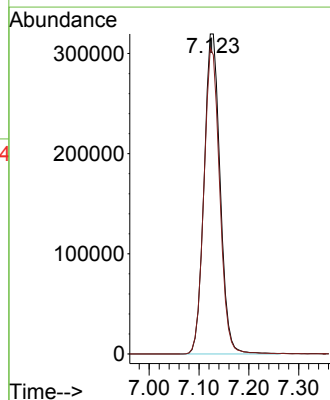
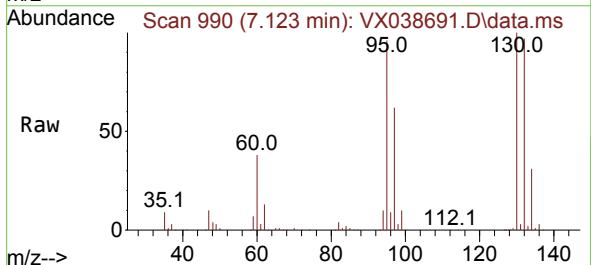
Instrument :
MSVOA_X
ClientSampleId :

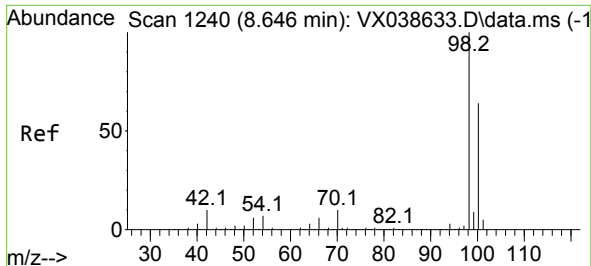
Tgt Ion: 83 Resp: 7318
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 218.3 36.7 55.1#



#44
Trichloroethene
Concen: 198.782 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

Tgt Ion:130 Resp: 712811
Ion Ratio Lower Upper
130 100
95 95.6 0.0 204.4

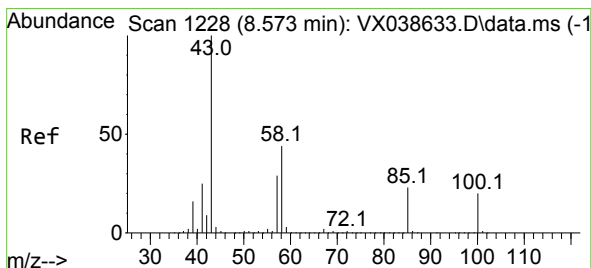
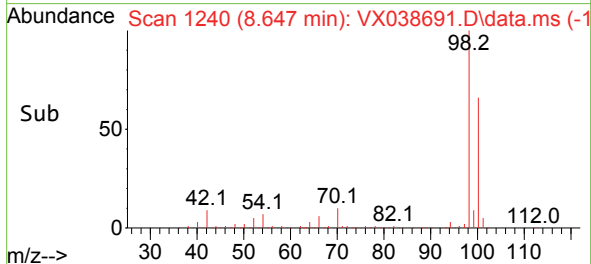
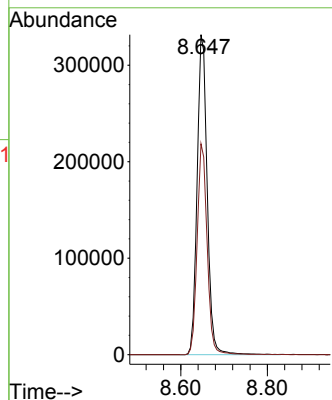
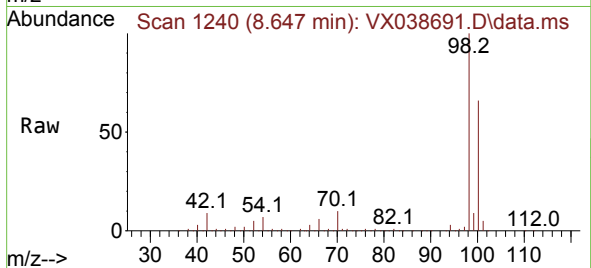




#50
Toluene-d8
Concen: 46.381 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

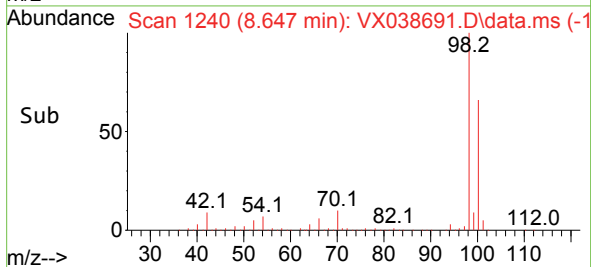
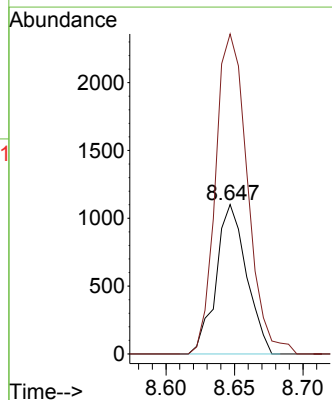
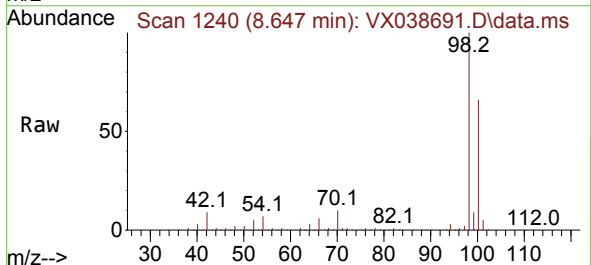
Instrument :
MSVOA_X
ClientSampleId :

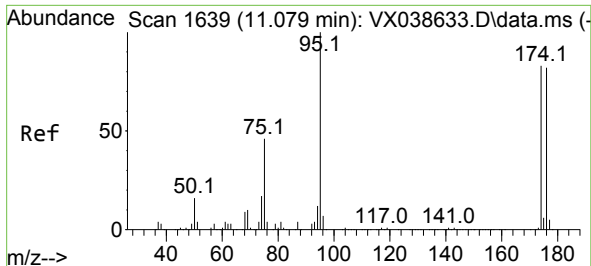
Tgt Ion: 98 Resp: 534614
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.415 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038691.D
Acq: 09 Nov 2023 19:20

Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
58 225.1 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 50.590 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038691.D

Acq: 09 Nov 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :

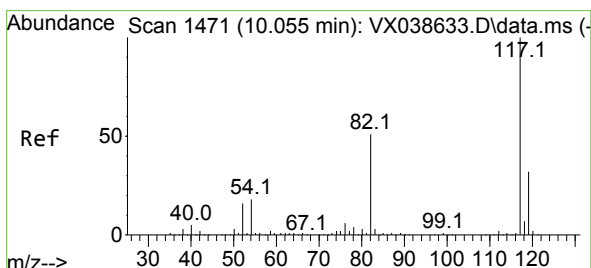
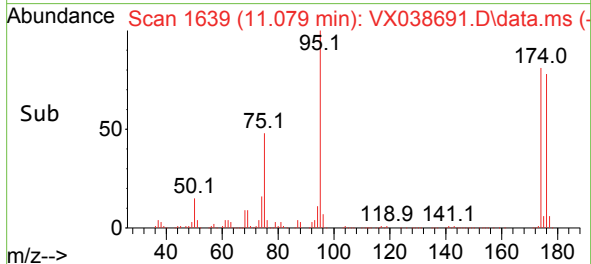
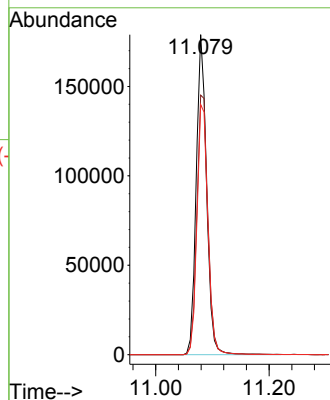
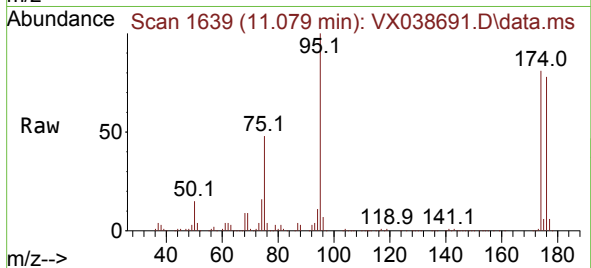
Tgt Ion: 95 Resp: 226087

Ion Ratio Lower Upper

95 100

174 87.2 0.0 135.6

176 82.8 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: VX038691.D

Acq: 09 Nov 2023 19:20

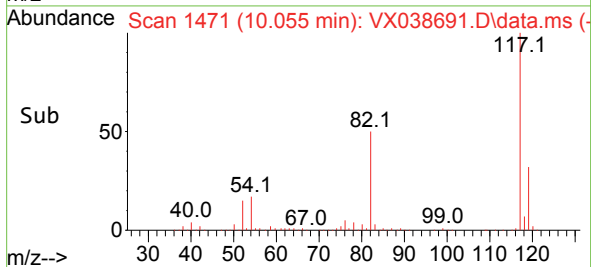
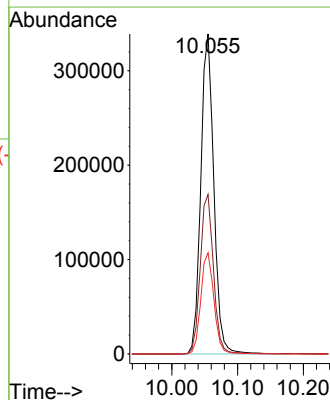
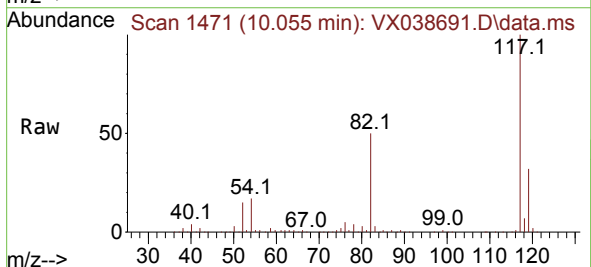
Tgt Ion: 117 Resp: 467106

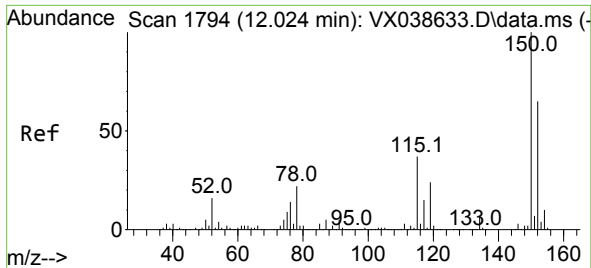
Ion Ratio Lower Upper

117 100

82 49.8 46.2 69.4

119 31.6 25.5 38.3

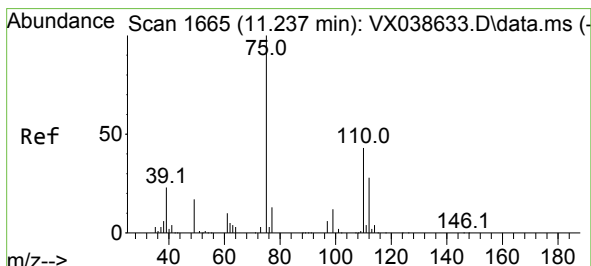
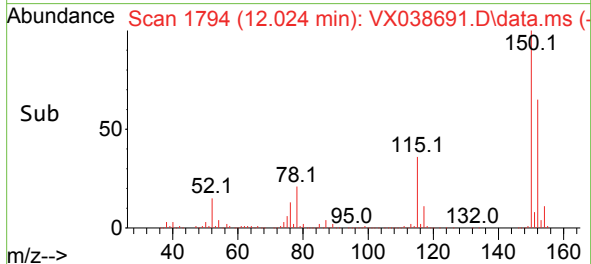
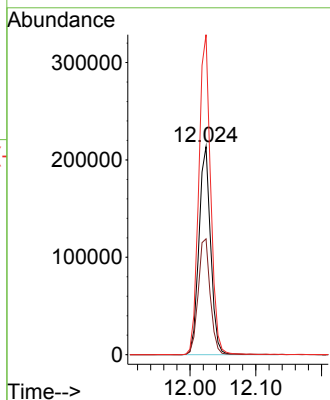
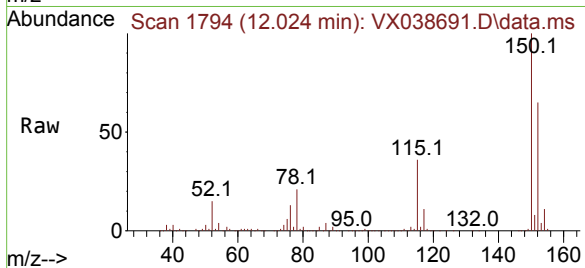




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038691.D
 Acq: 09 Nov 2023 19:20

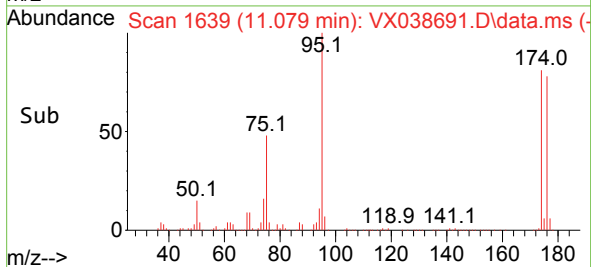
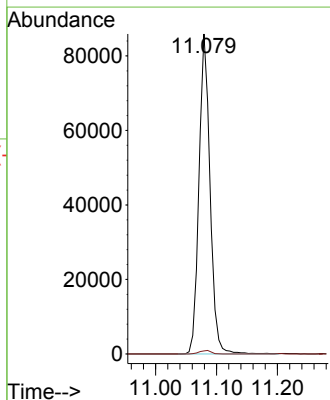
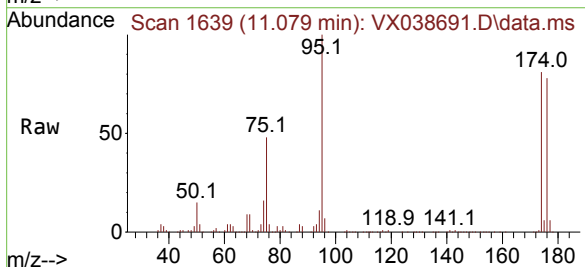
Instrument :
 MSVOA_X
 ClientSampleId :

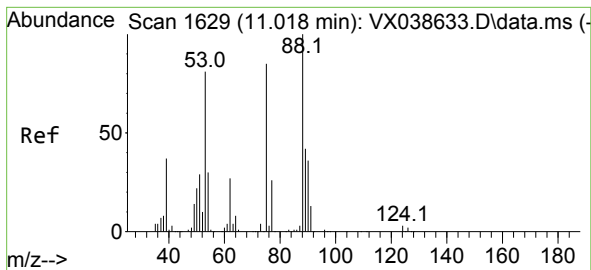
Tgt Ion:152 Resp: 264399
 Ion Ratio Lower Upper
 152 100
 115 57.3 43.3 129.9
 150 155.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.738 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038691.D
 Acq: 09 Nov 2023 19:20

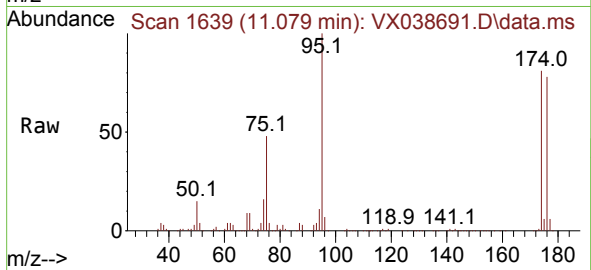
Tgt Ion: 75 Resp: 108592
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.126 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038691.D
 Acq: 09 Nov 2023 19:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 108592
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

