

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038265.D
 Acq On : 12 Oct 2023 18:32
 Operator : JC/MD
 Sample : 04875-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 13 04:54:04 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)

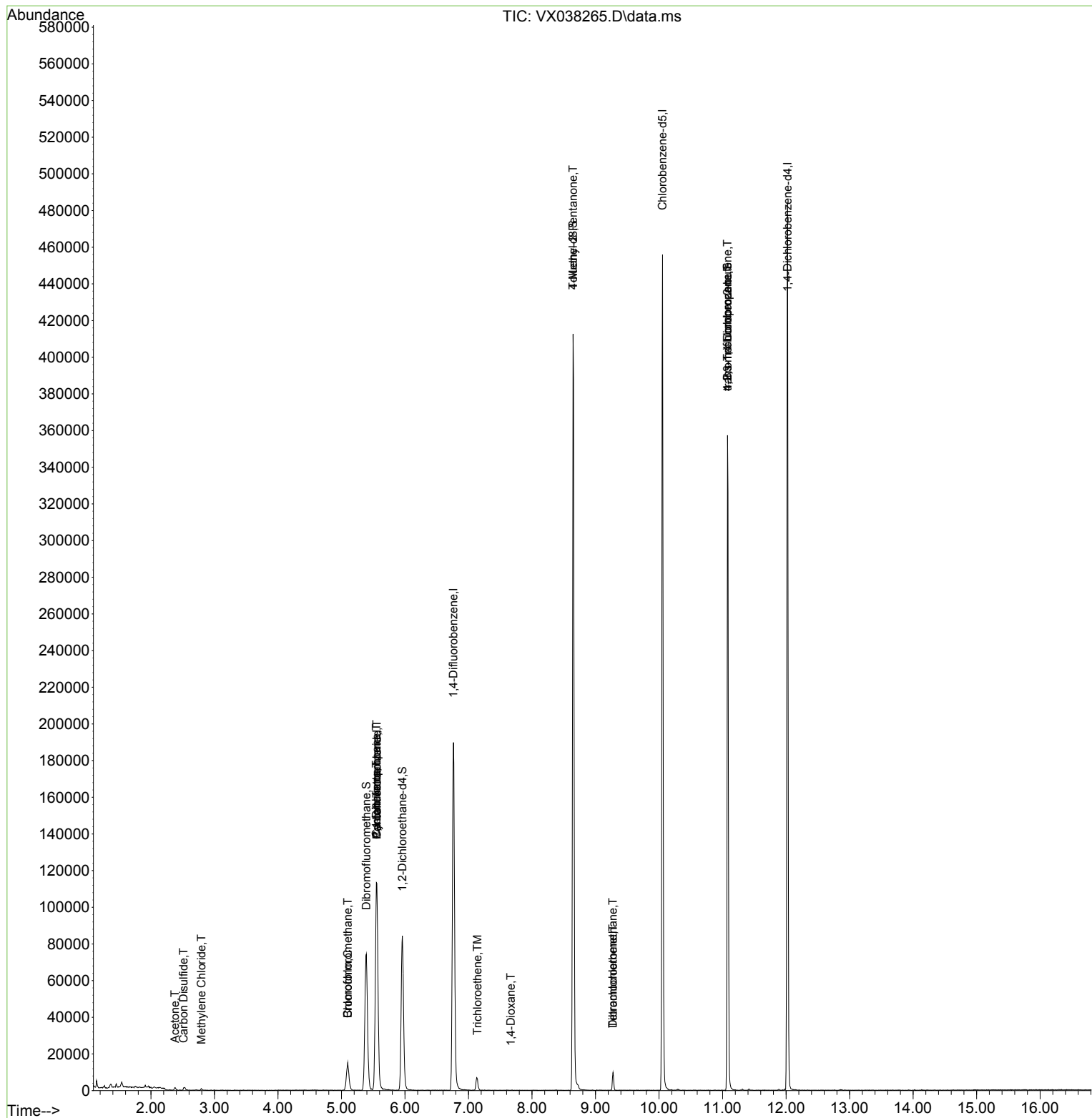
Internal Standards						
1) Pentafluorobenzene	5.556	168	108591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80652	46.176	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.360%		
35) Dibromofluoromethane	5.391	113	63576	45.058	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.120%		
50) Toluene-d8	8.647	98	249635	46.299	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.600%		
62) 4-Bromofluorobenzene	11.079	95	93249	45.619	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.240%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.538	94	19	Below Cal	#	3
6) Chloroethane	1.666	64	139	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	59	Below Cal	#	78
16) Acetone	2.380	43	1498	2.055	ug/l	93
17) Carbon Disulfide	2.514	76	724	0.253	ug/l #	76
20) Methylene Chloride	2.794	84	352	0.257	ug/l #	74
28) Bromochloromethane	5.099	49	1354	1.327	ug/l #	16
30) Chloroform	5.099	83	16722	6.765	ug/l	97
31) Cyclohexane	5.550	56	2653	1.402	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	9010	4.631	ug/l #	50
38) Carbon Tetrachloride	5.556	117	11868	6.200	ug/l #	14
44) Trichloroethene	7.141	130	2711	1.905	ug/l	72
49) 1,4-Dioxane	7.665	88	21	0.517	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	1008	0.424	ug/l #	1
60) Dibromochloromethane	9.275	129	1697	1.144	ug/l #	11
64) Tetrachloroethene	9.275	164	1643	1.271	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	51246	22.376	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51246	64.101	ug/l #	5

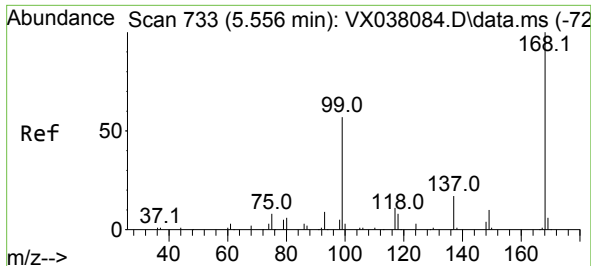
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX038265.D

Acq: 12 Oct 2023 18:32

Instrument :

MSVOA_X

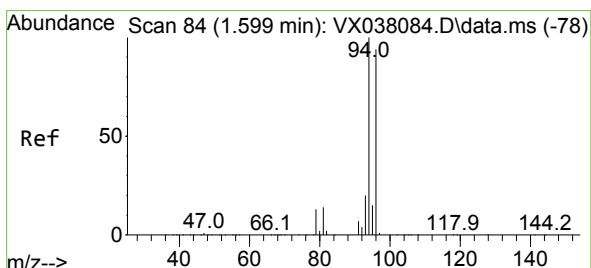
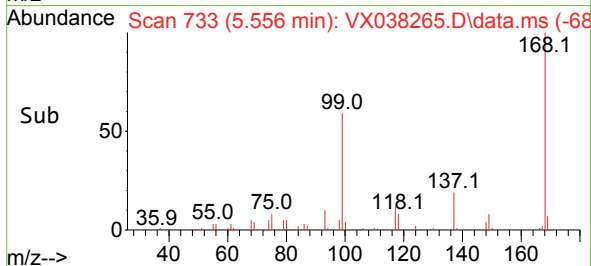
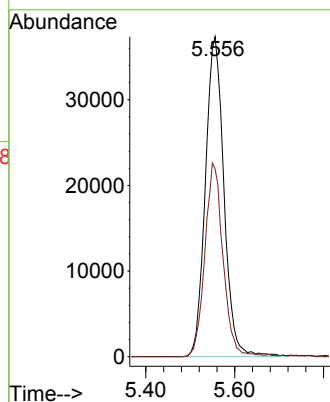
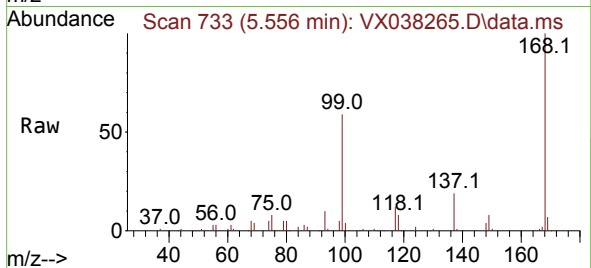
ClientSampleId :

Tgt Ion:168 Resp: 108591

Ion Ratio Lower Upper

168 100

99 58.7 56.6 85.0



#5

Bromomethane

Concen: Below Cal

RT: 1.538 min Scan# 74

Delta R.T. -0.061 min

Lab File: VX038265.D

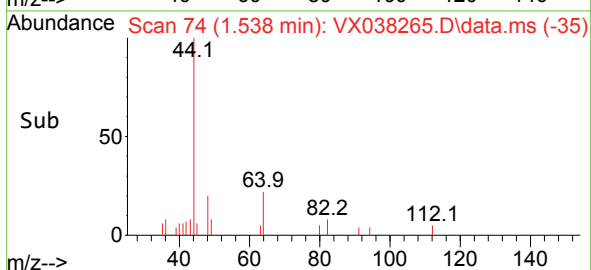
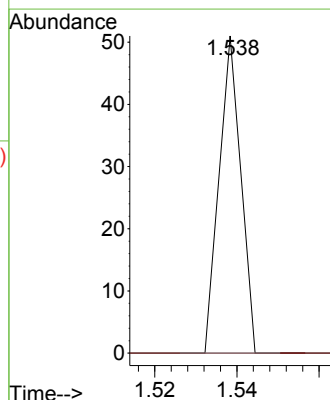
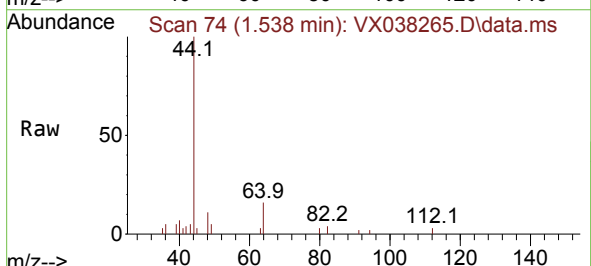
Acq: 12 Oct 2023 18:32

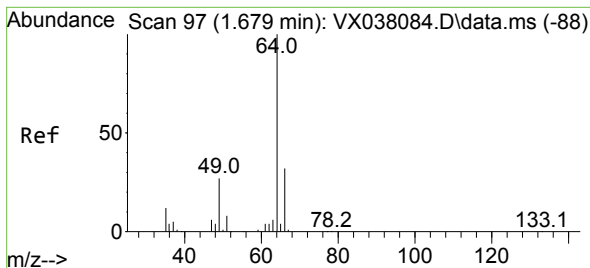
Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.666 min Scan# 91

Delta R.T. -0.013 min

Lab File: VX038265.D

Acq: 12 Oct 2023 18:32

Instrument :

MSVOA_X

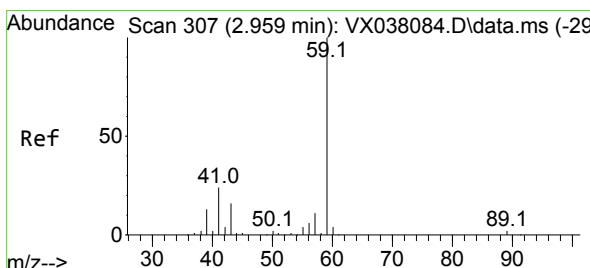
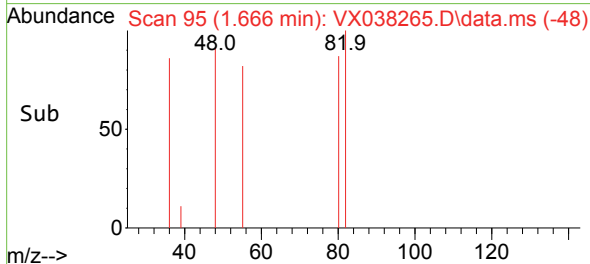
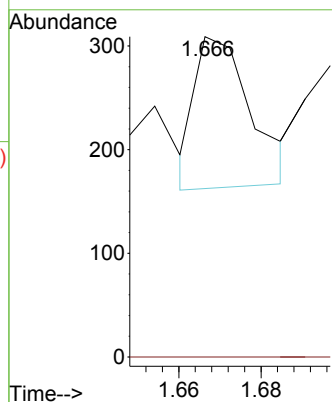
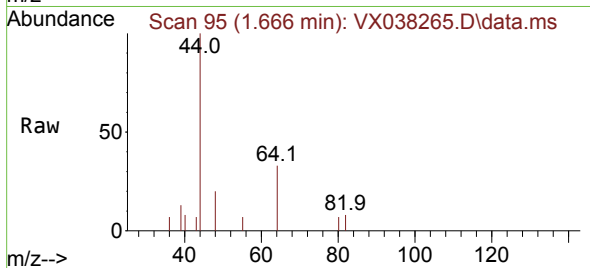
ClientSampleId :

Tgt Ion: 64 Resp: 139

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.018 min

Lab File: VX038265.D

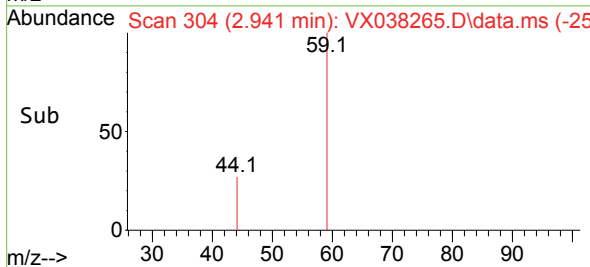
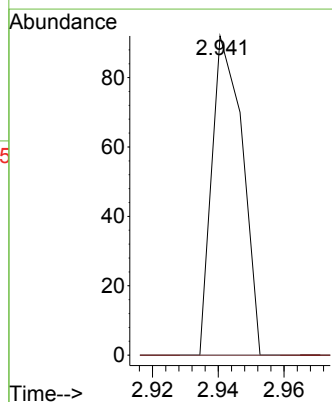
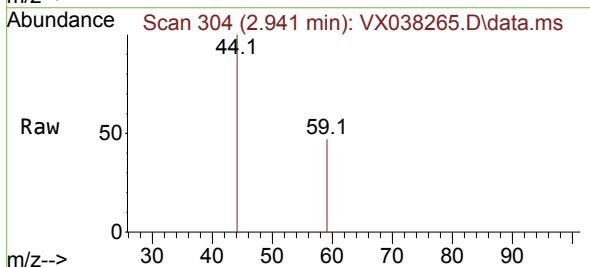
Acq: 12 Oct 2023 18:32

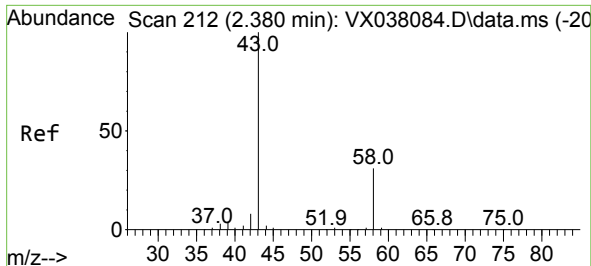
Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

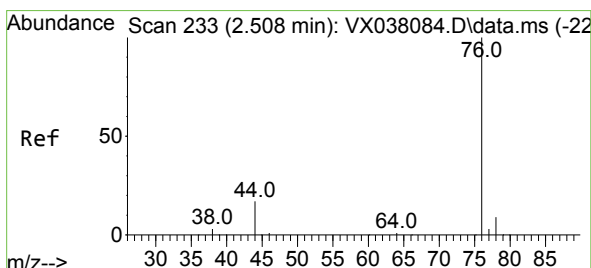
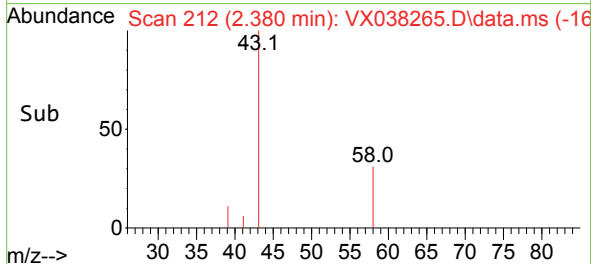
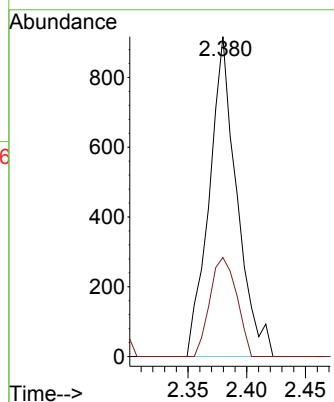
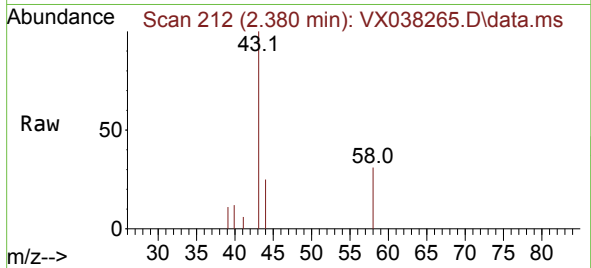




#16
Acetone
Concen: 2.055 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

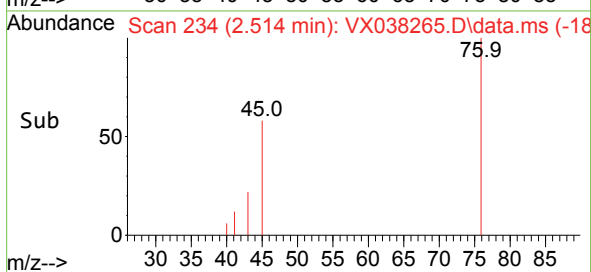
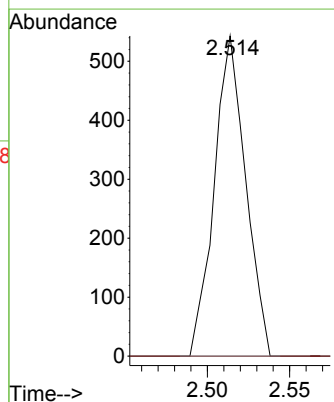
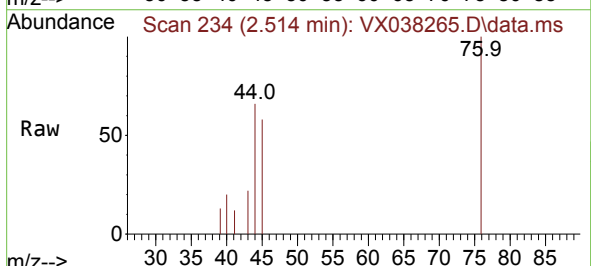
Instrument :
MSVOA_X
ClientSampleId :

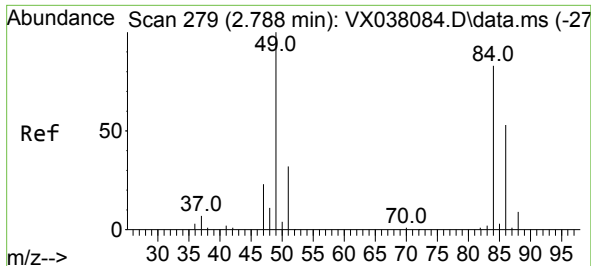
Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9



#17
Carbon Disulfide
Concen: 0.253 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

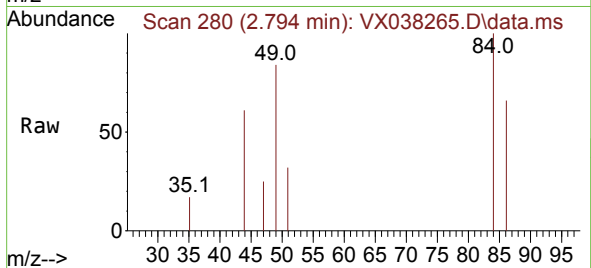
Tgt Ion: 76 Resp: 724
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



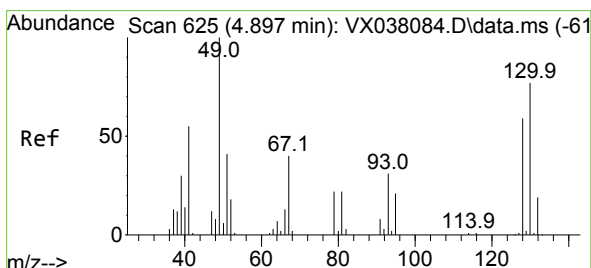
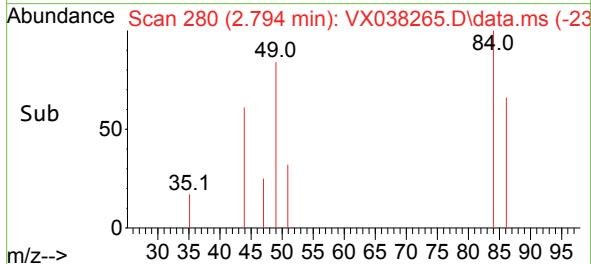
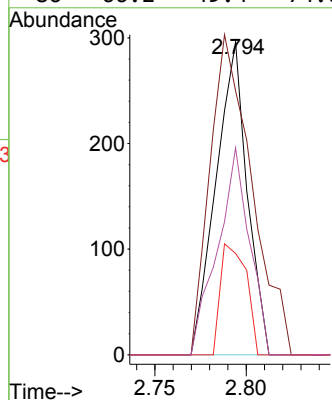


#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :

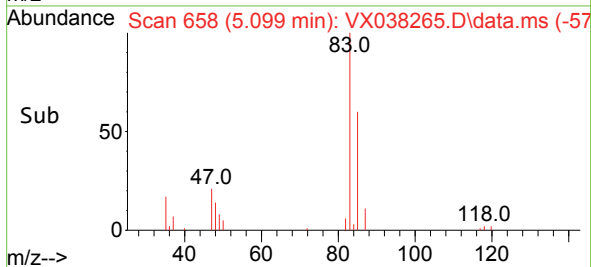
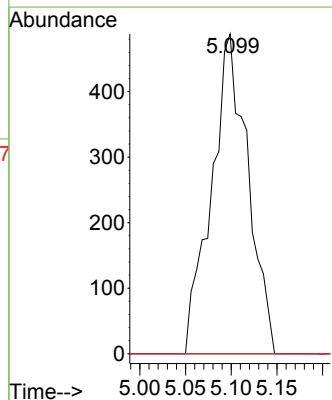
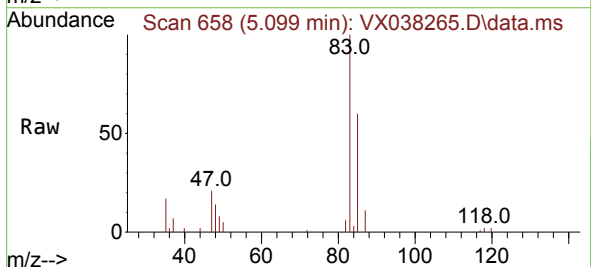


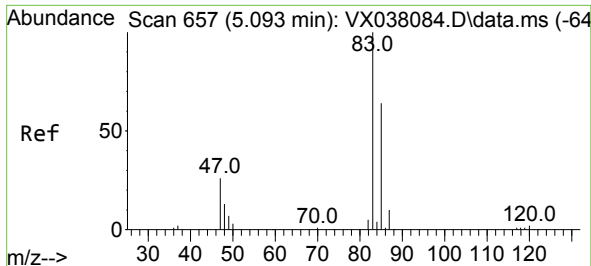
Tgt Ion: 84 Resp: 352
Ion Ratio Lower Upper
84 100
49 84.5 103.6 155.4#
51 32.4 33.8 50.6#
86 66.2 49.4 74.0



#28
Bromochloromethane
Concen: 1.327 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.202 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Tgt Ion: 49 Resp: 1354
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#





#30

Chloroform

Concen: 6.765 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX038265.D

Acq: 12 Oct 2023 18:32

Instrument :

MSVOA_X

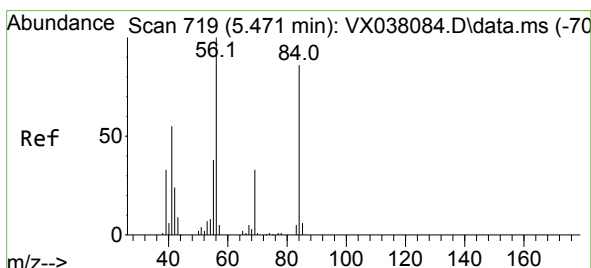
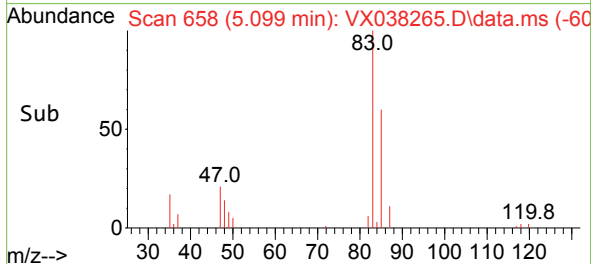
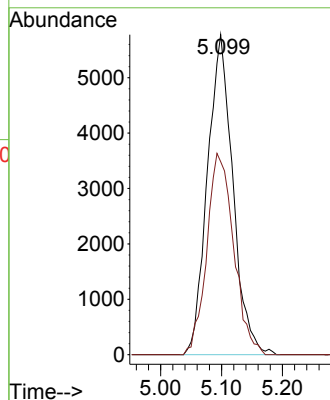
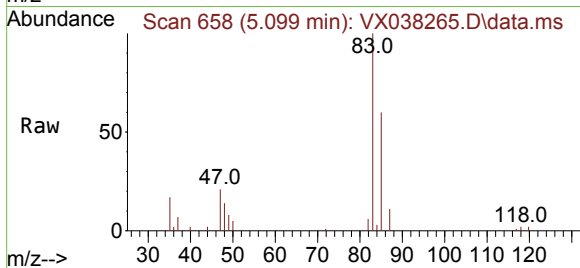
ClientSampleId :

Tgt Ion: 83 Resp: 16722

Ion Ratio Lower Upper

83 100

85 60.3 50.3 75.5



#31

Cyclohexane

Concen: 1.402 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038265.D

Acq: 12 Oct 2023 18:32

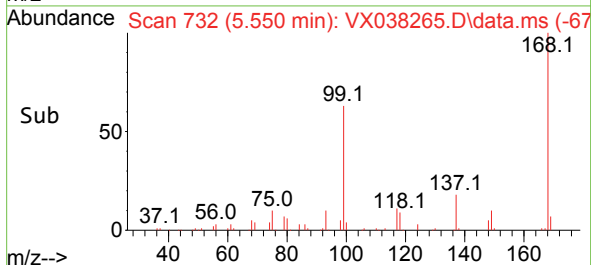
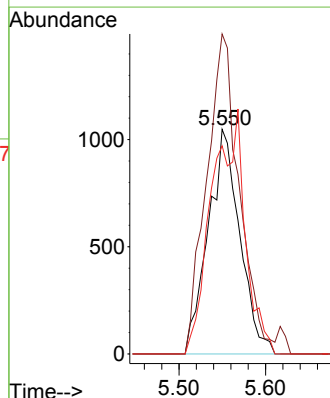
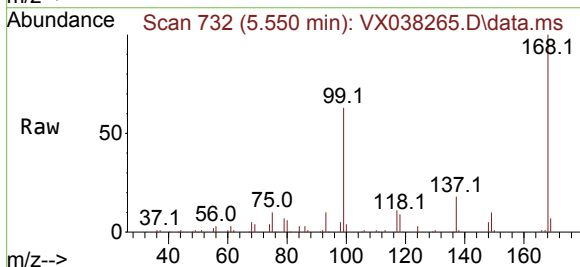
Tgt Ion: 56 Resp: 2653

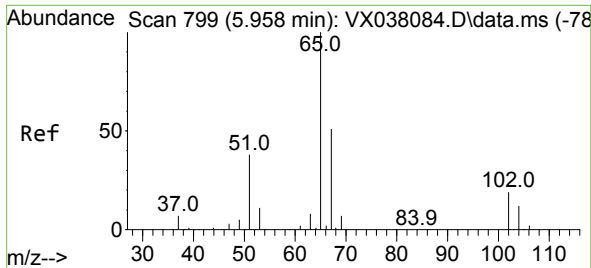
Ion Ratio Lower Upper

56 100

69 142.5 23.4 35.2#

84 92.7 65.9 98.9

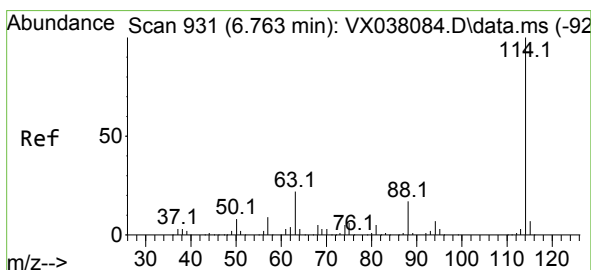
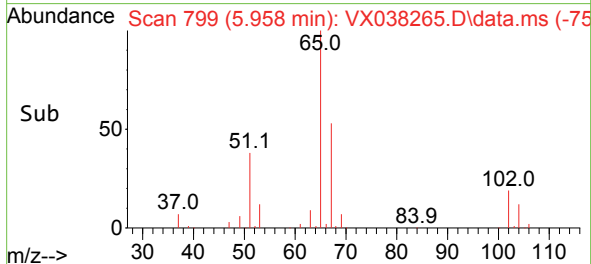
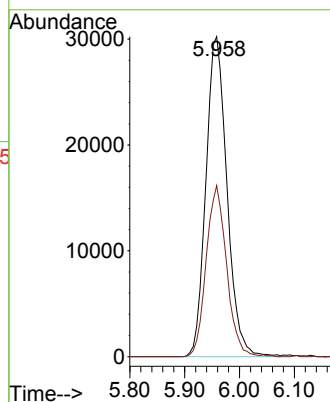
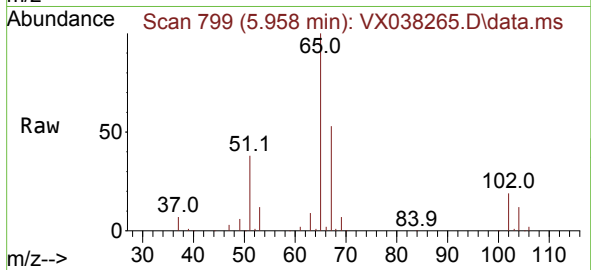




#33
 1,2-Dichloroethane-d4
 Concen: 46.176 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038265.D
 Acq: 12 Oct 2023 18:32

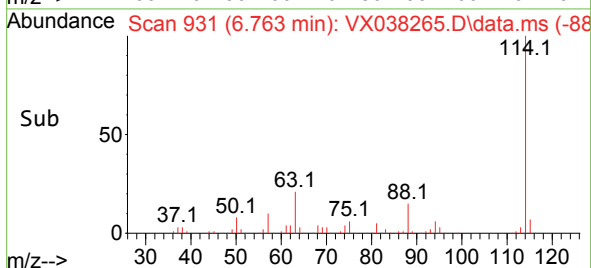
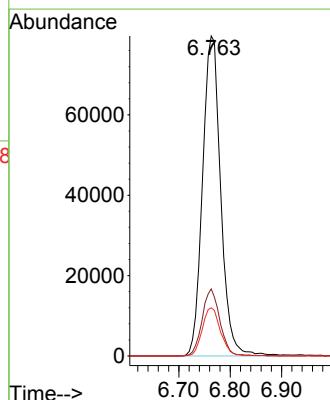
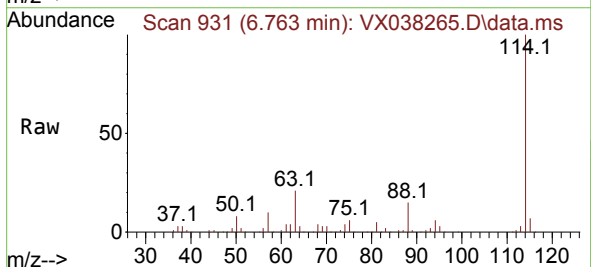
Instrument :
 MSVOA_X
 ClientSampleId :

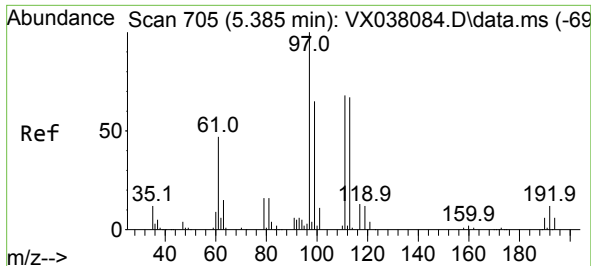
Tgt Ion: 65 Resp: 80652
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038265.D
 Acq: 12 Oct 2023 18:32

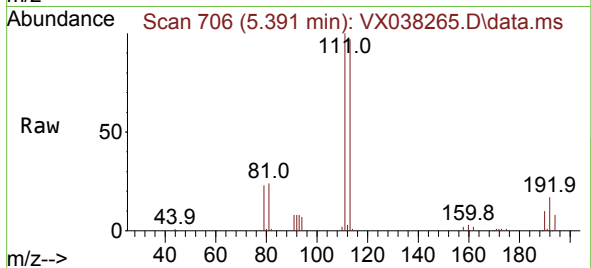
Tgt Ion:114 Resp: 195818
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.0
 88 15.0 0.0 36.6



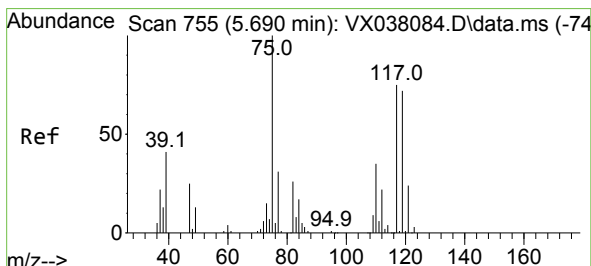
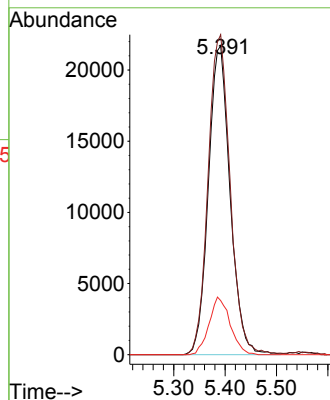
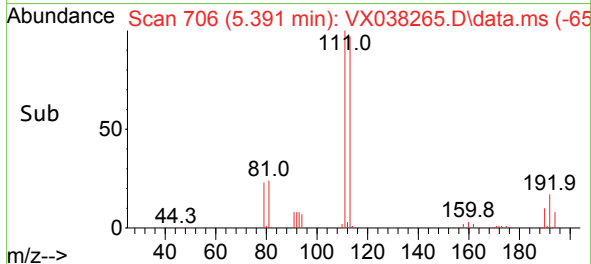


#35
Dibromofluoromethane
Concen: 45.058 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :

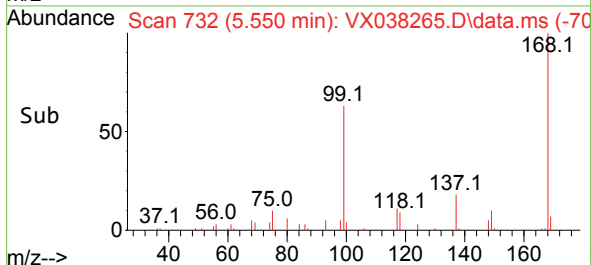
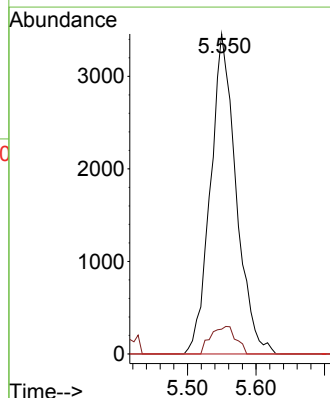
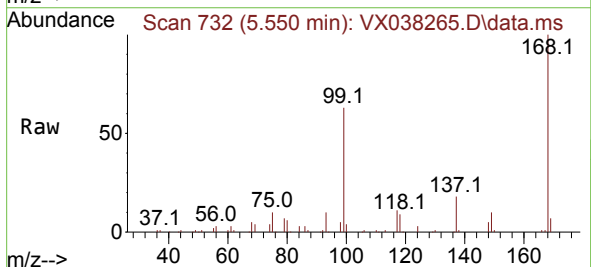


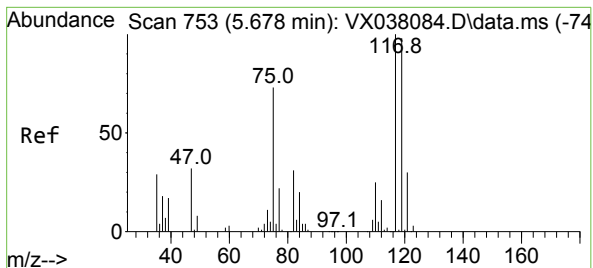
Tgt Ion:113 Resp: 63576
Ion Ratio Lower Upper
113 100
111 105.5 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.631 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Tgt Ion: 75 Resp: 9010
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.200 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

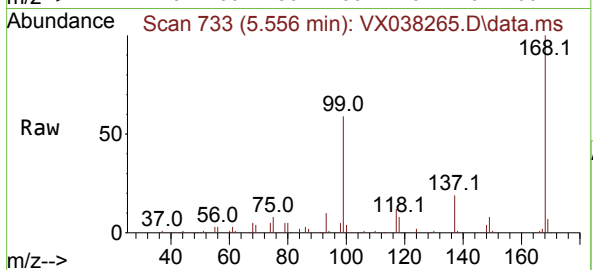
Lab File: VX038265.D

Acq: 12 Oct 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :



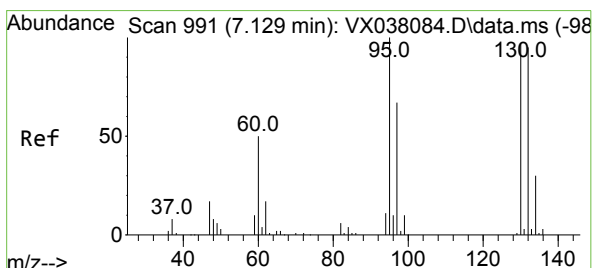
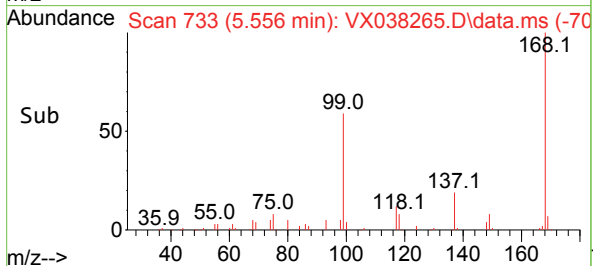
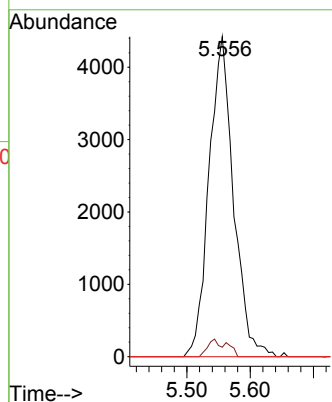
Tgt Ion:117 Resp: 11868

Ion Ratio Lower Upper

117 100

119 3.0 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 1.905 ug/l

RT: 7.141 min Scan# 993

Delta R.T. 0.012 min

Lab File: VX038265.D

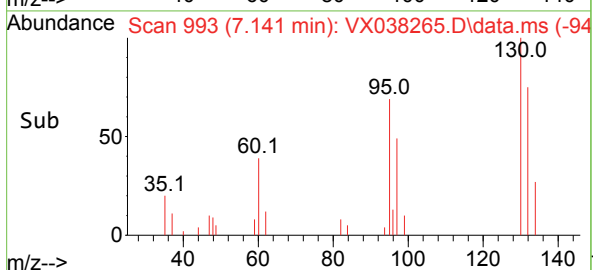
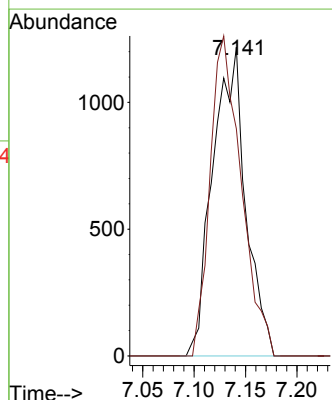
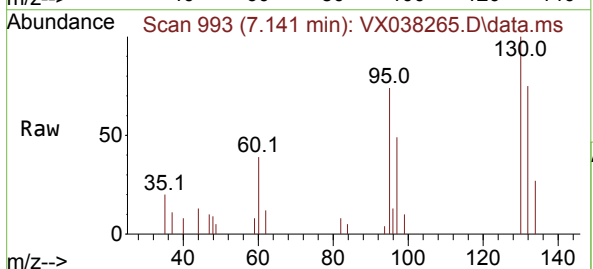
Acq: 12 Oct 2023 18:32

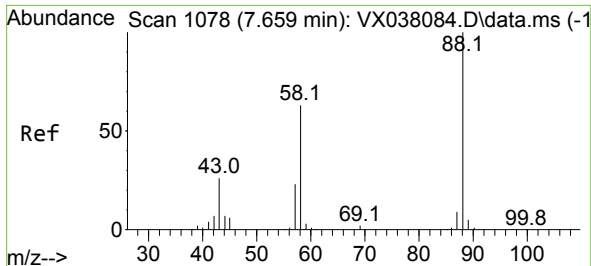
Tgt Ion:130 Resp: 2711

Ion Ratio Lower Upper

130 100

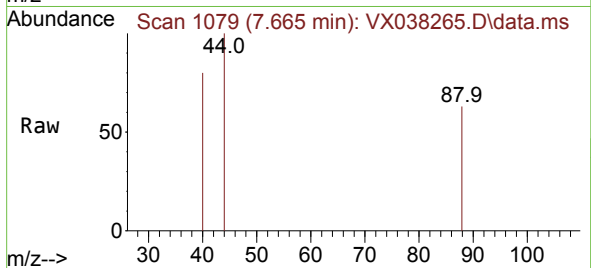
95 73.6 0.0 204.4



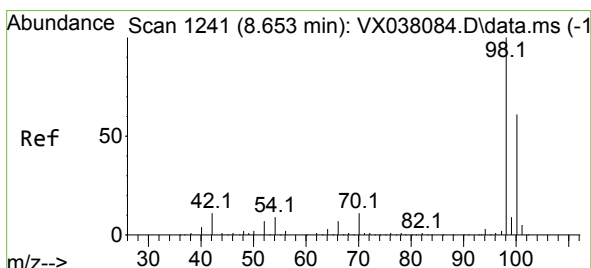
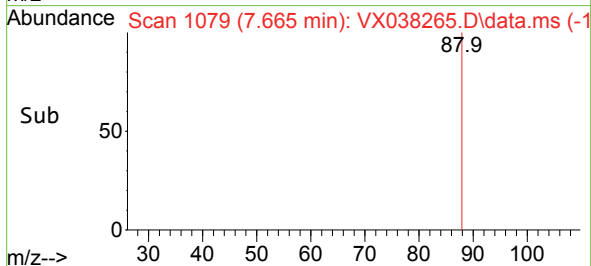
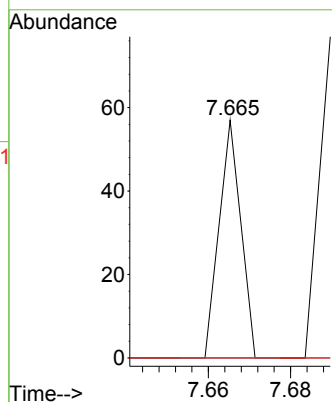


#49
1,4-Dioxane
Concen: 0.517 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :

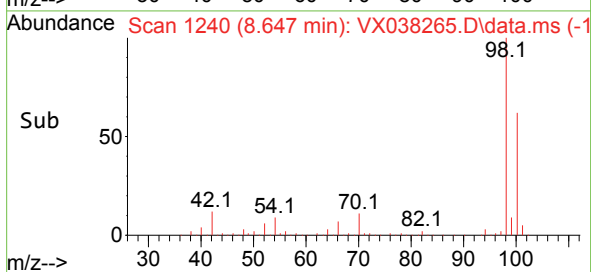
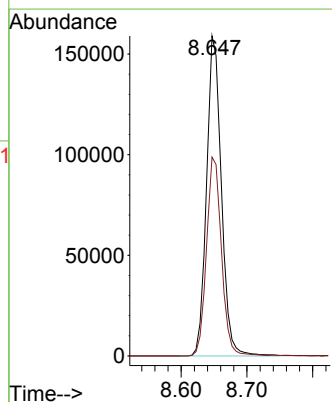
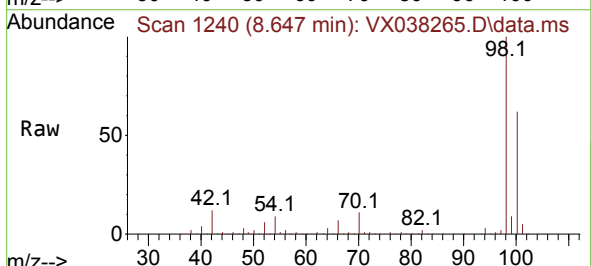


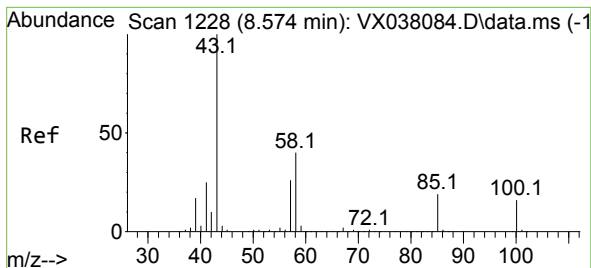
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 46.299 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Tgt Ion: 98 Resp: 249635
Ion Ratio Lower Upper
98 100
100 62.7 53.1 79.7

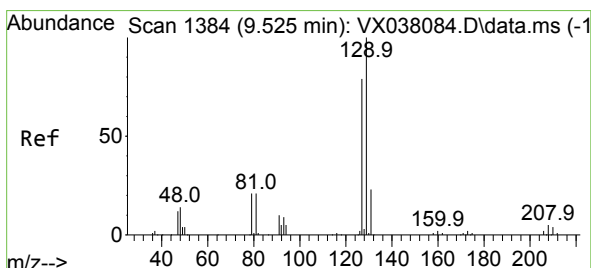
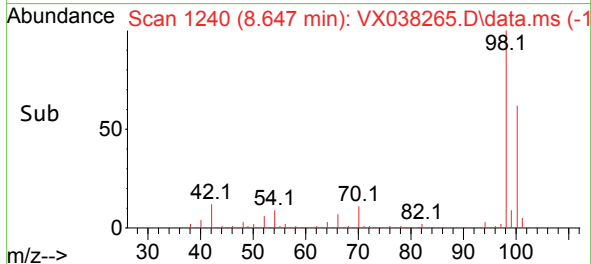
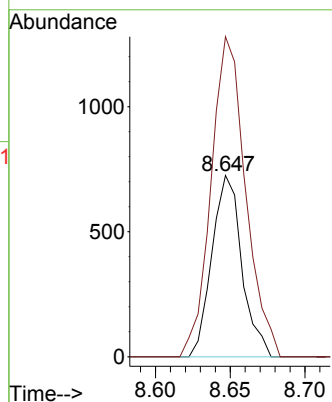
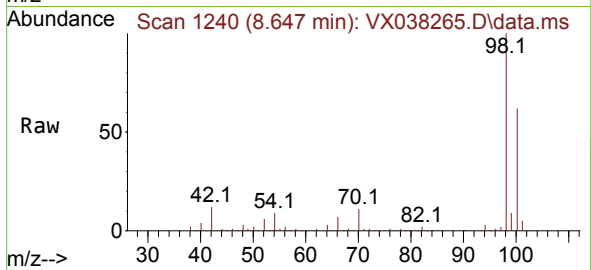




#51
4-Methyl-2-Pentanone
Concen: 0.424 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

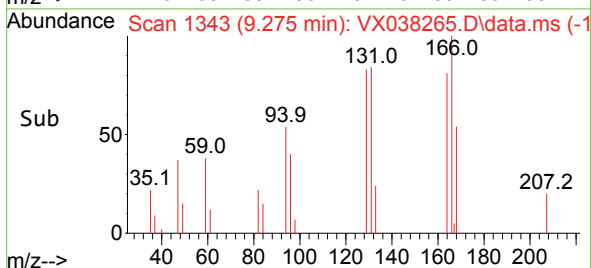
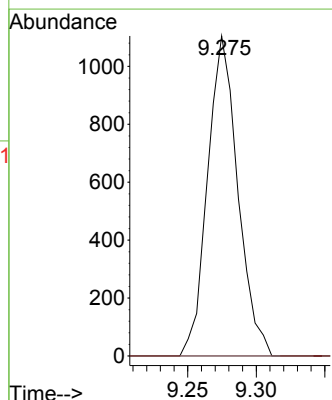
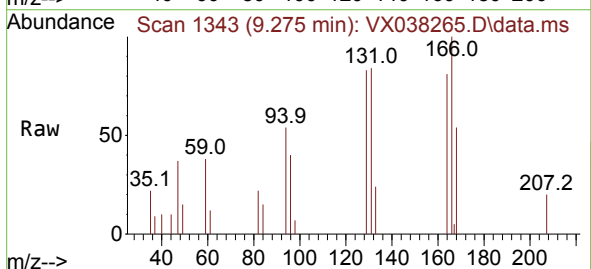
Instrument :
MSVOA_X
ClientSampleId :

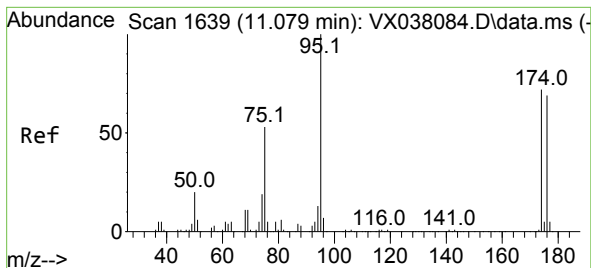
Tgt Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
58 204.2 30.4 45.6#



#60
Dibromochloromethane
Concen: 1.144 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Tgt Ion: 129 Resp: 1697
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

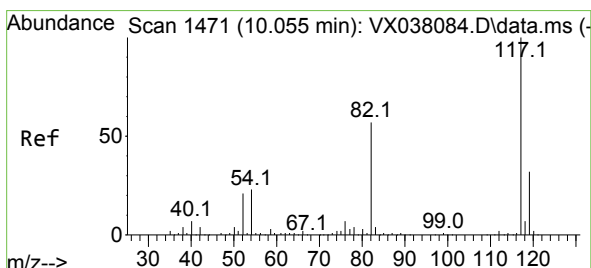
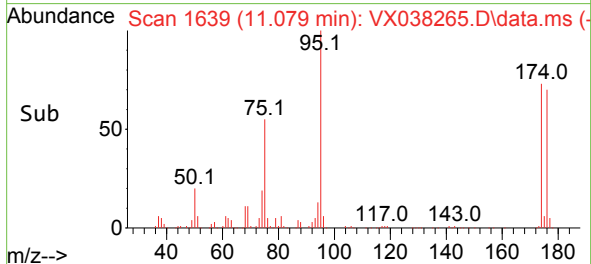
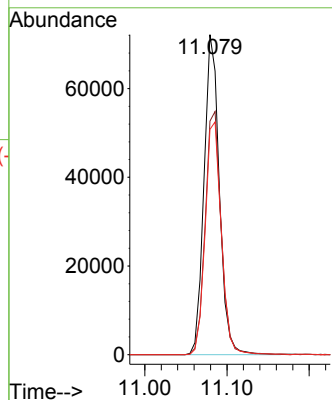
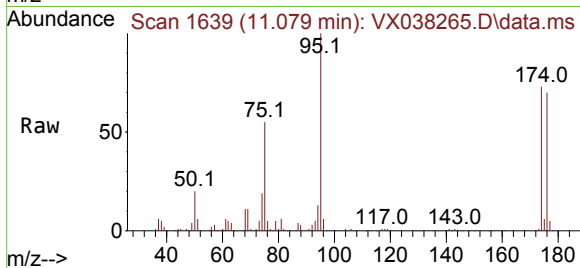




#62
4-Bromofluorobenzene
Concen: 45.619 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

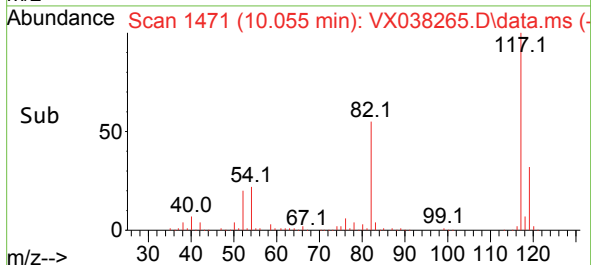
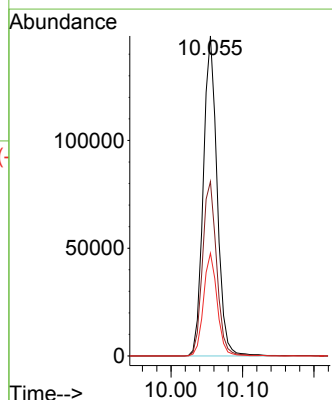
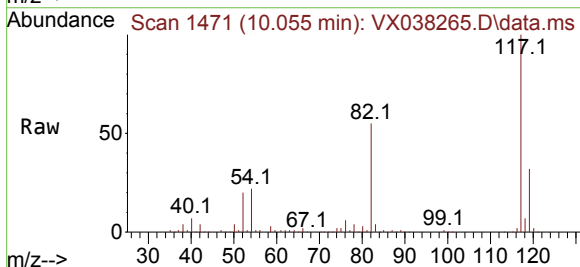
Instrument :
MSVOA_X
ClientSampleId :

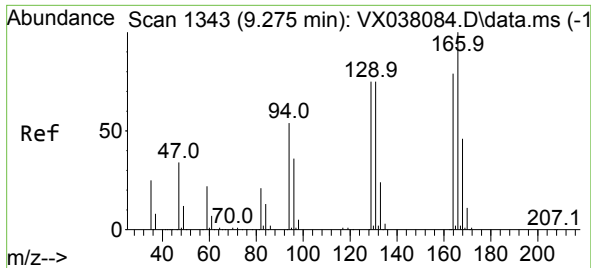
Tgt Ion: 95 Resp: 93249
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 76.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

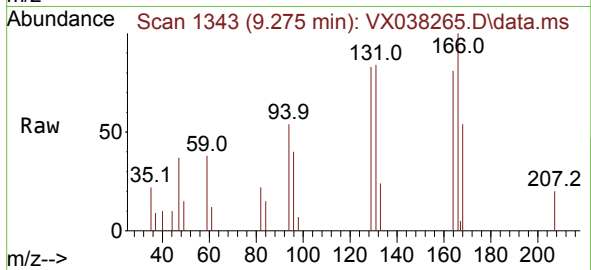
Tgt Ion: 117 Resp: 199664
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 32.1 25.5 38.3





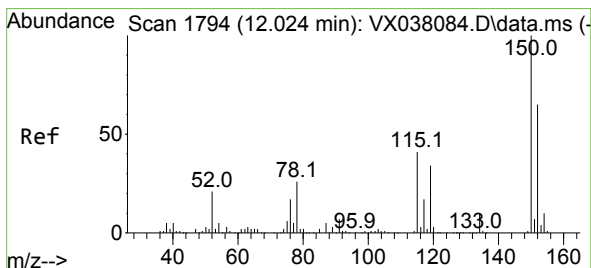
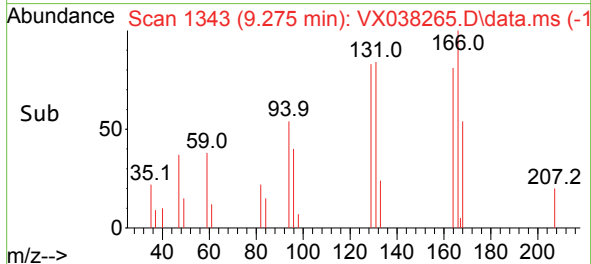
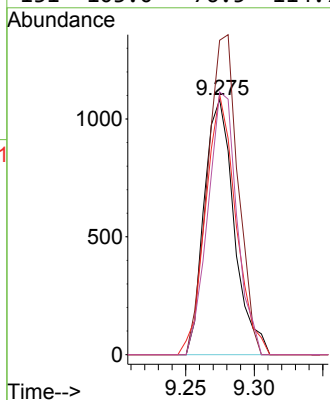
#64
Tetrachloroethene
Concen: 1.271 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:164 Resp: 1643

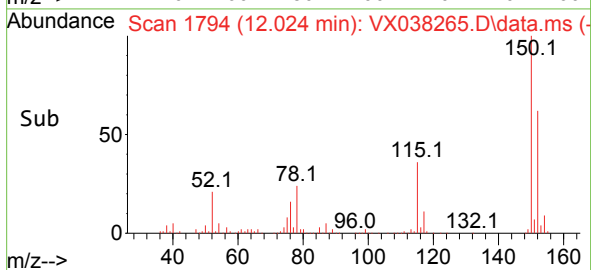
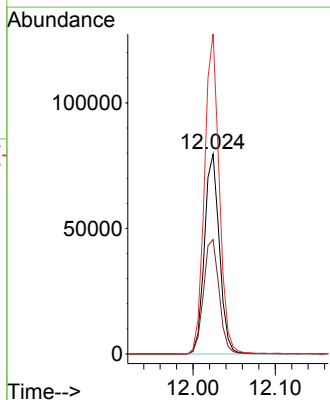
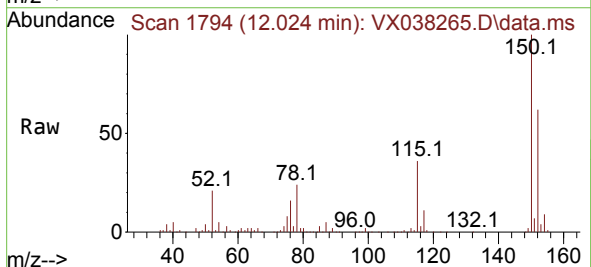
Ion	Ratio	Lower	Upper
164	100		
166	123.2	102.7	154.1
129	102.0	80.4	120.6
131	103.0	76.5	114.7

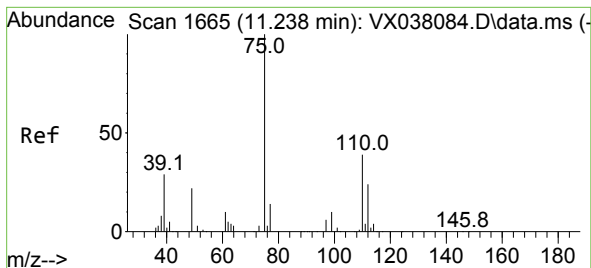


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038265.D
Acq: 12 Oct 2023 18:32

Tgt Ion:152 Resp: 100739

Ion	Ratio	Lower	Upper
152	100		
115	59.8	43.3	129.9
150	157.6	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 22.376 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038265.D

Acq: 12 Oct 2023 18:32

Instrument :

MSVOA_X

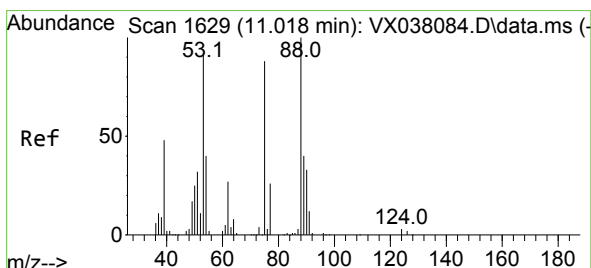
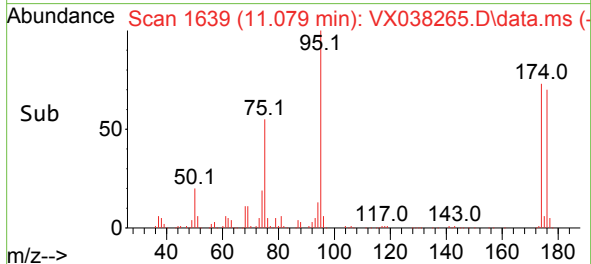
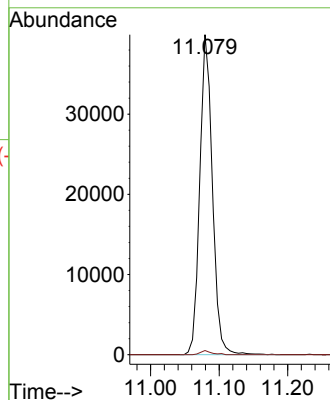
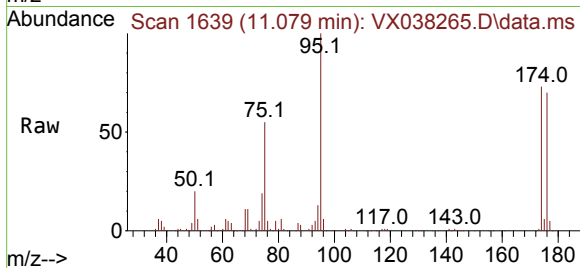
ClientSampleId :

Tgt Ion: 75 Resp: 51246

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.101 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038265.D

Acq: 12 Oct 2023 18:32

Tgt Ion: 75 Resp: 51246

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

