

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038899.D
 Acq On : 18 Nov 2023 01:15
 Operator : JC/MD
 Sample : 05404-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 18 05:04:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

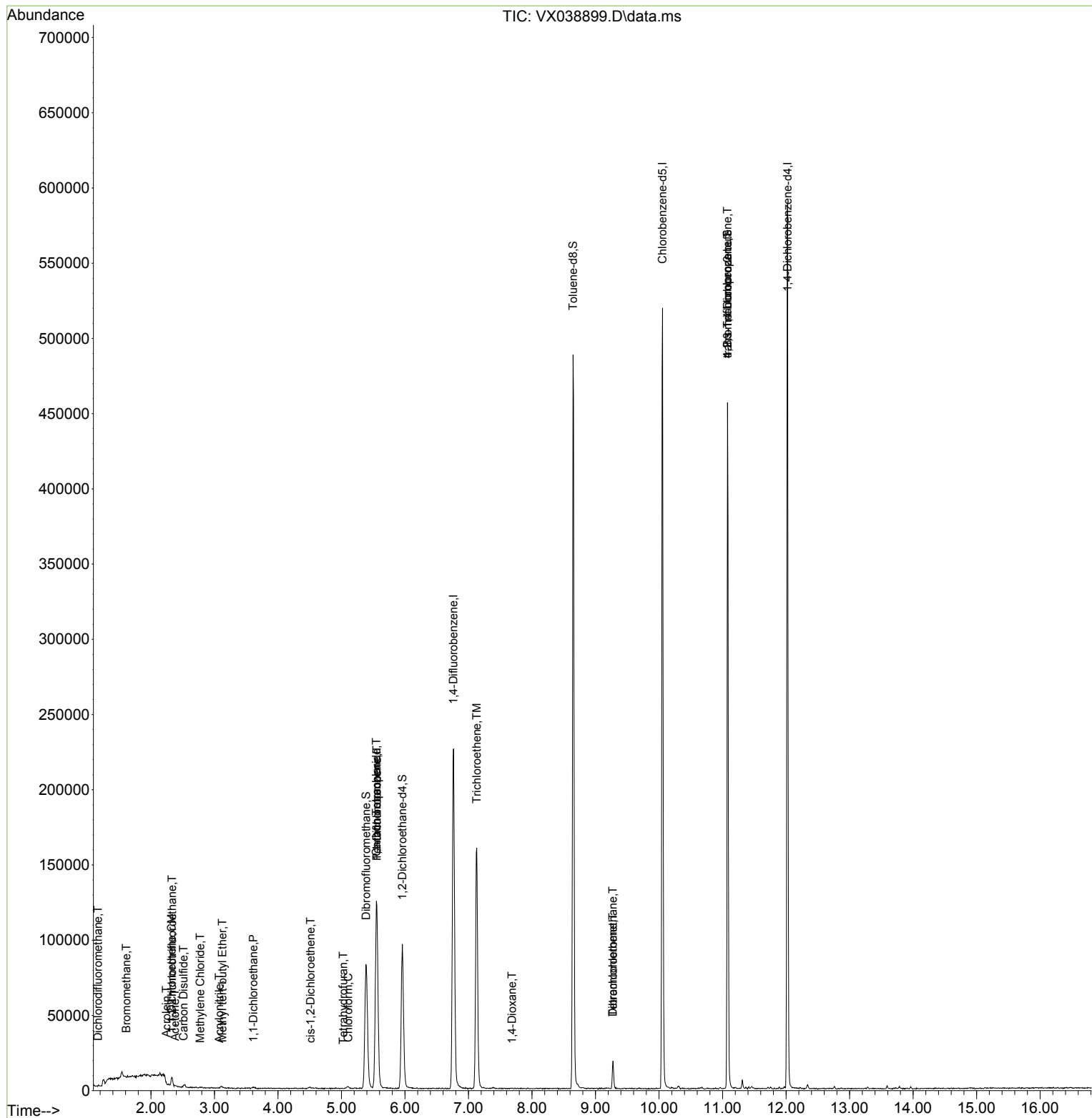
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	113168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86852	47.629	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.260%
35) Dibromofluoromethane	5.385	113	73697	44.415	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.840%
50) Toluene-d8	8.646	98	291563	45.926	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.860%#
62) 4-Bromofluorobenzene	11.079	95	125148	49.245	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	333	0.252	ug/l	86
5) Bromomethane	1.611	94	158	0.230	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.331	101	1868	1.337	ug/l	91
12) 1,1-Dichloroethene	2.324	96	535	0.379	ug/l #	69
13) Acrolein	2.239	56	56	0.209	ug/l #	14
15) Acrylonitrile	3.074	53	223	0.208	ug/l #	44
16) Acetone	2.379	43	833	0.858	ug/l	100
17) Carbon Disulfide	2.513	76	1108	0.254	ug/l #	76
19) Methyl tert-butyl Ether	3.123	73	1210	0.244	ug/l #	45
20) Methylene Chloride	2.776	84	380	0.217	ug/l #	65
24) 1,1-Dichloroethane	3.611	63	1118	0.386	ug/l #	83
27) cis-1,2-Dichloroethene	4.513	96	694	0.383	ug/l	75
29) Tetrahydrofuran	5.025	42	332	0.332	ug/l #	52
30) Chloroform	5.104	83	1402	0.496	ug/l #	79
36) 1,1-Dichloropropene	5.556	75	10097	4.246	ug/l #	51
38) Carbon Tetrachloride	5.550	117	12216	5.558	ug/l #	15
44) Trichloroethene	7.128	130	60980	35.617	ug/l	98
49) 1,4-Dioxane	7.683	88	355	7.638	ug/l #	82
60) Dibromochloromethane	9.274	129	2670	1.442	ug/l #	11
64) Tetrachloroethene	9.274	164	2757	1.882	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	64669	22.202	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	64669	49.246	ug/l #	5

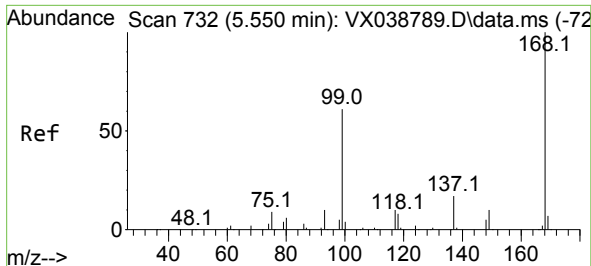
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 18 05:04:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX038899.D

Acq: 18 Nov 2023 01:15

Instrument :

MSVOA_X

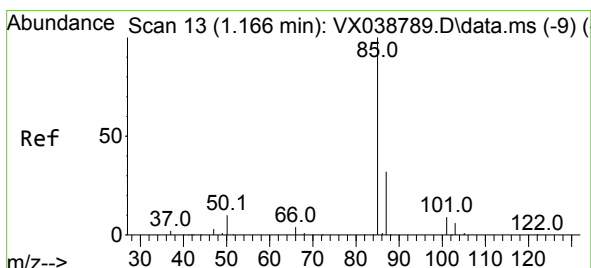
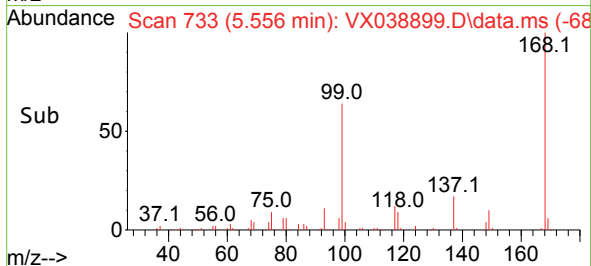
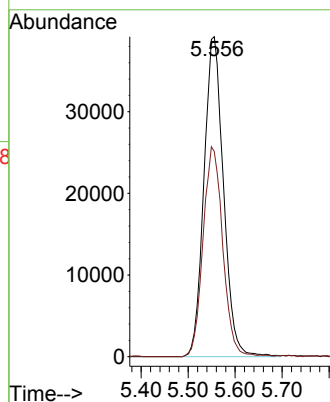
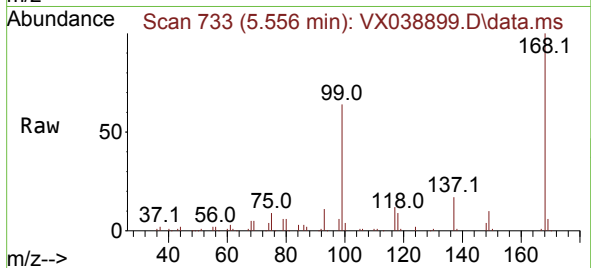
ClientSampleId :

Tgt Ion:168 Resp: 113168

Ion Ratio Lower Upper

168 100

99 64.1 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.252 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX038899.D

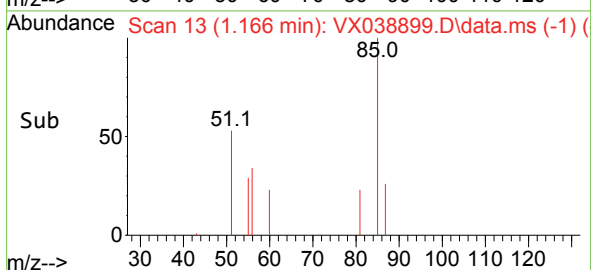
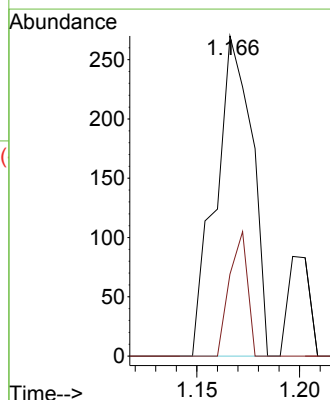
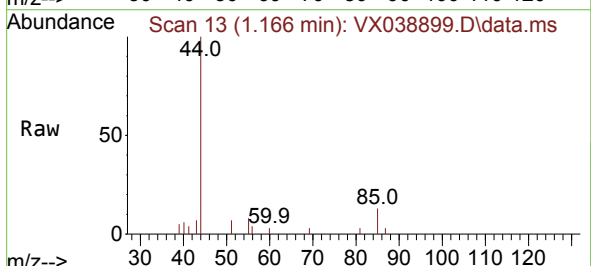
Acq: 18 Nov 2023 01:15

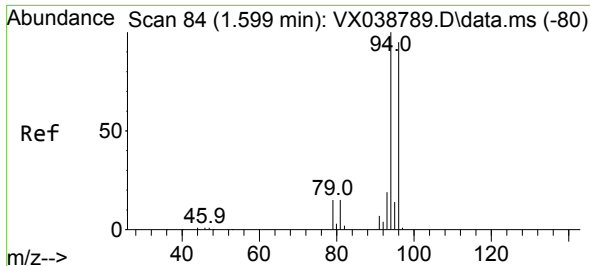
Tgt Ion: 85 Resp: 333

Ion Ratio Lower Upper

85 100

87 25.6 16.7 50.1

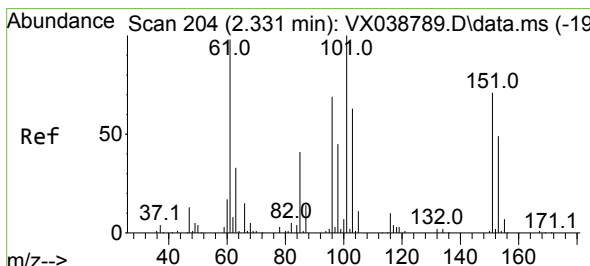
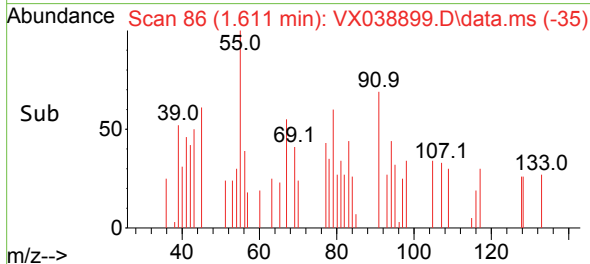
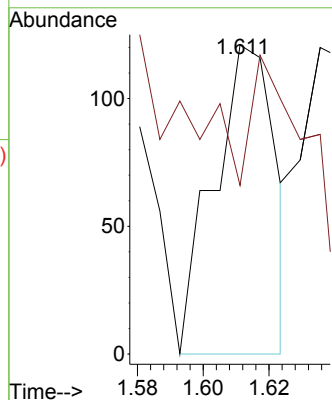
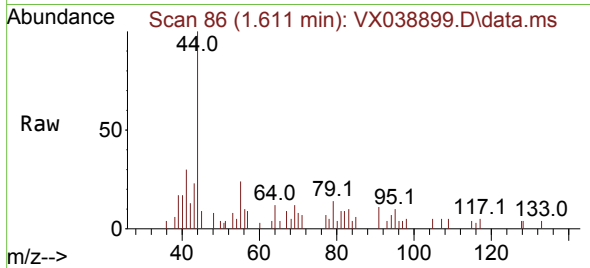




#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.611 min Scan# 84
Delta R.T. 0.012 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

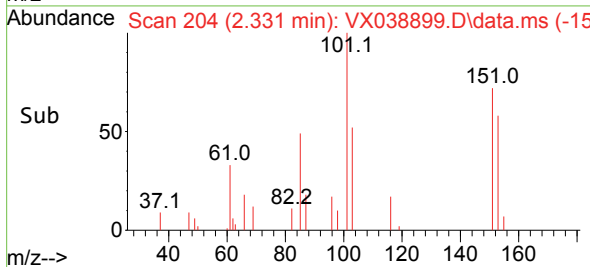
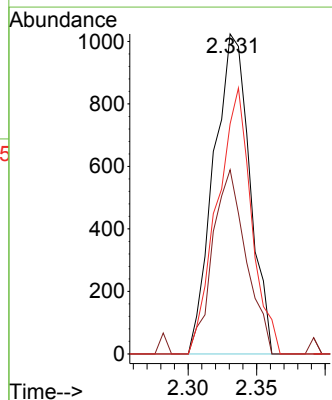
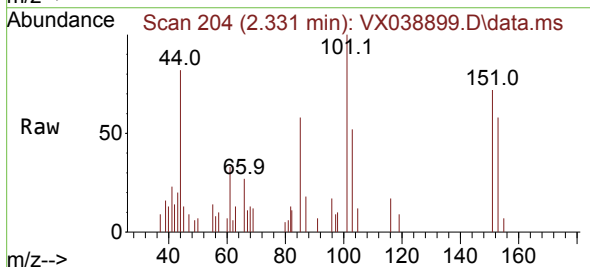
Instrument :
MSVOA_X
ClientSampleId :

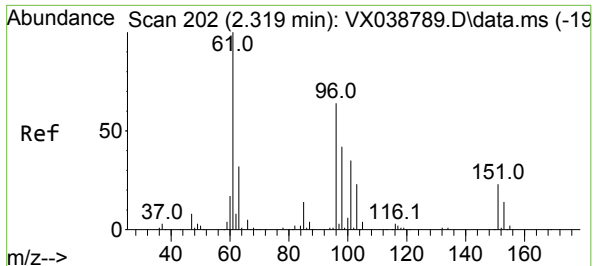
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.337 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Tgt Ion: 101 Resp: 1868
Ion Ratio Lower Upper
101 100
85 53.7 37.0 55.6
151 79.3 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.379 ug/l

RT: 2.324 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038899.D

Acq: 18 Nov 2023 01:15

Instrument :

MSVOA_X

ClientSampleId :

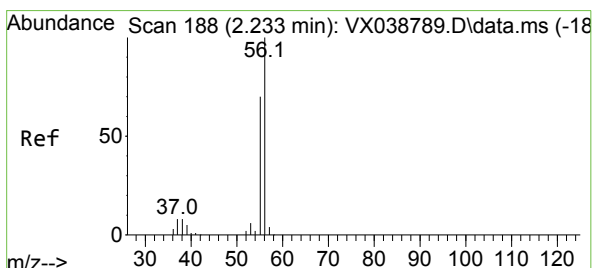
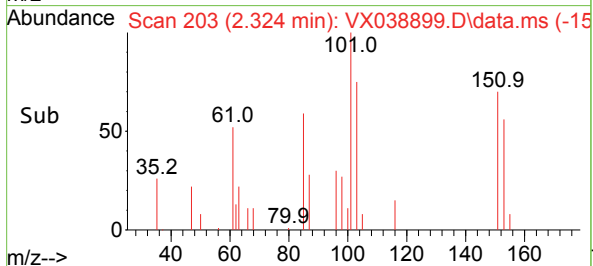
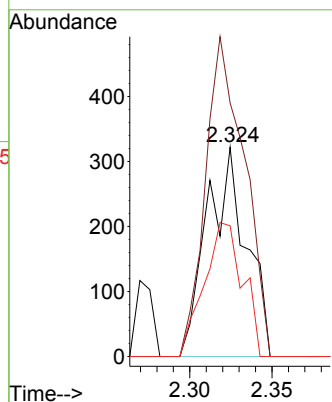
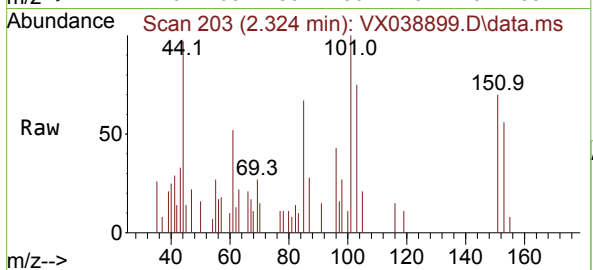
Tgt Ion: 96 Resp: 535

Ion Ratio Lower Upper

96 100

61 121.1 144.6 216.8#

98 62.4 50.4 75.6



#13

Acrolein

Concen: 0.209 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX038899.D

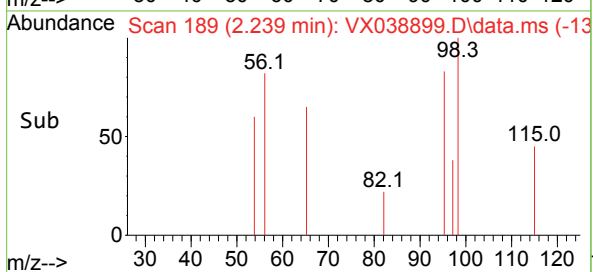
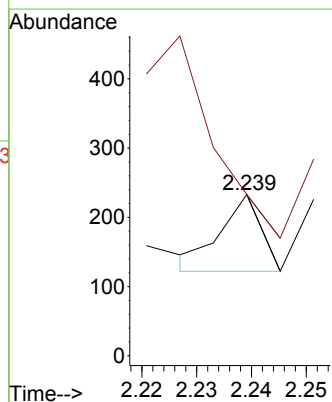
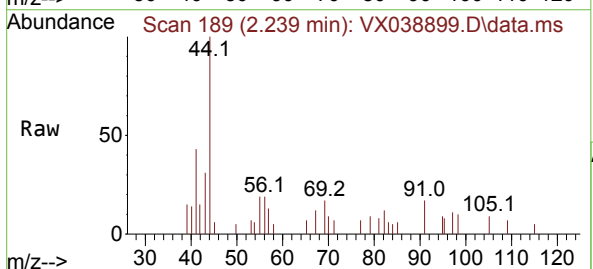
Acq: 18 Nov 2023 01:15

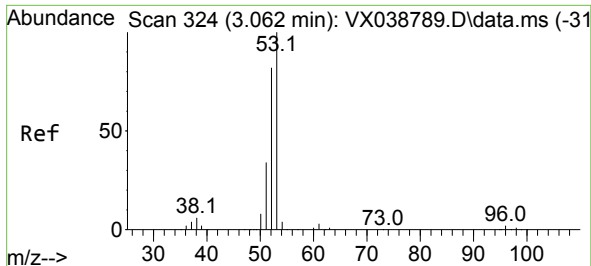
Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#





#15

Acrylonitrile

Concen: 0.208 ug/l

RT: 3.074 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX038899.D

Acq: 18 Nov 2023 01:15

Instrument :

MSVOA_X

ClientSampleId :

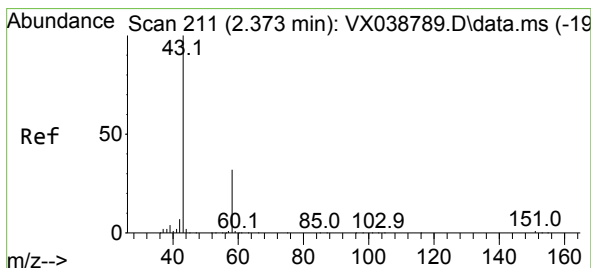
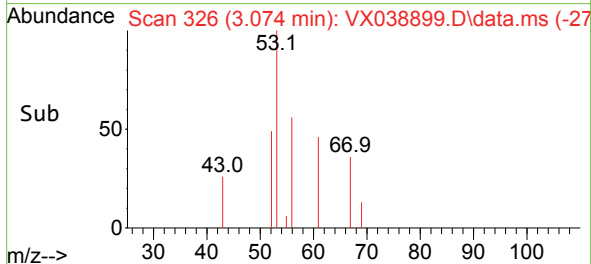
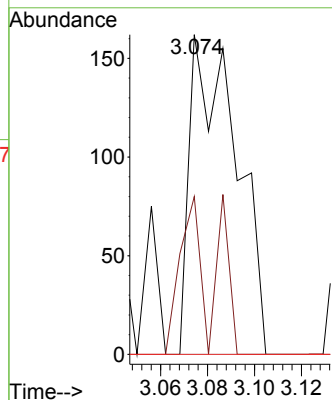
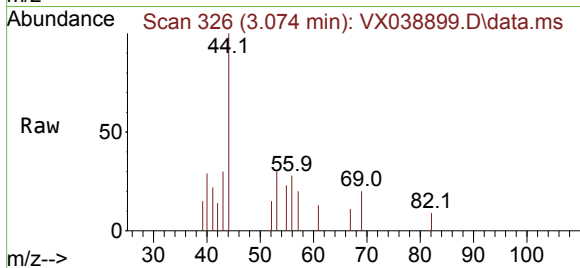
Tgt Ion: 53 Resp: 223

Ion Ratio Lower Upper

53 100

52 35.0 66.0 99.0#

51 0.0 29.8 44.6#



#16

Acetone

Concen: 0.858 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX038899.D

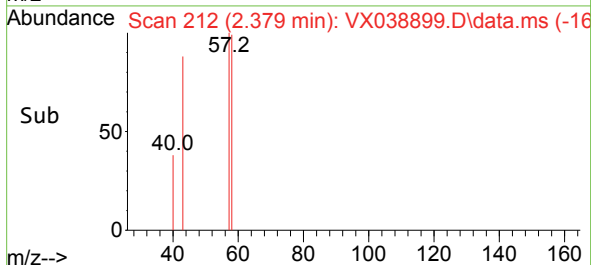
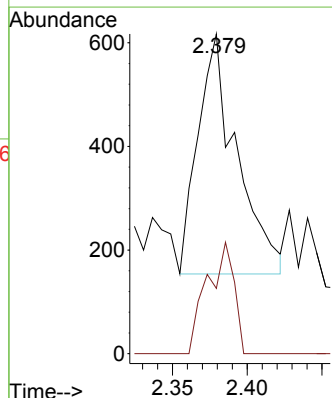
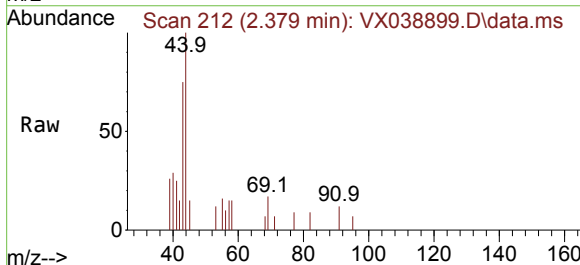
Acq: 18 Nov 2023 01:15

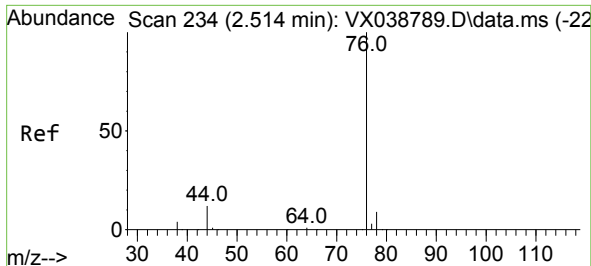
Tgt Ion: 43 Resp: 833

Ion Ratio Lower Upper

43 100

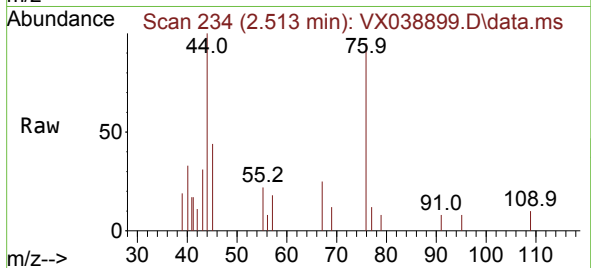
58 27.2 21.9 32.9



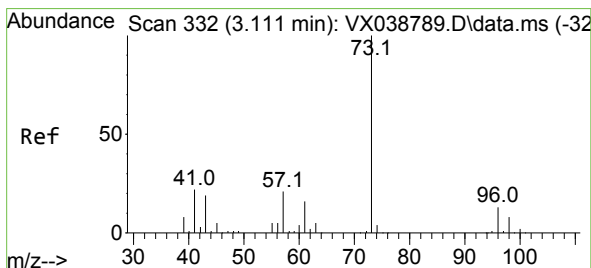
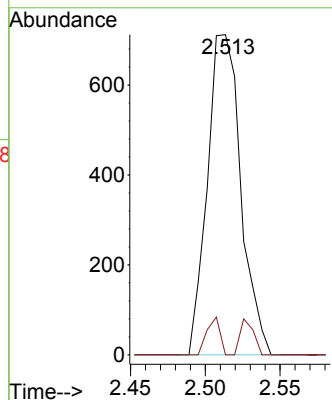
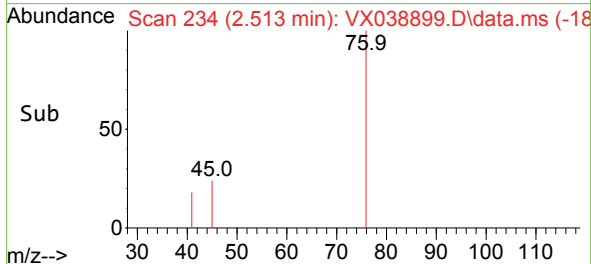


#17
Carbon Disulfide
Concen: 0.254 ug/l
RT: 2.513 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

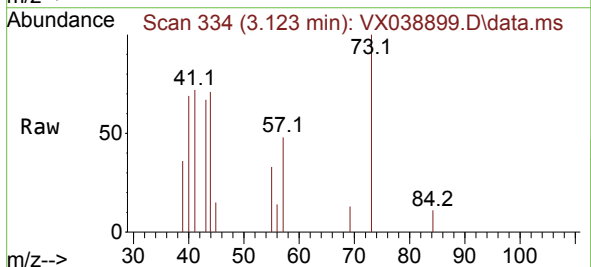
Instrument :
MSVOA_X
ClientSampleId :



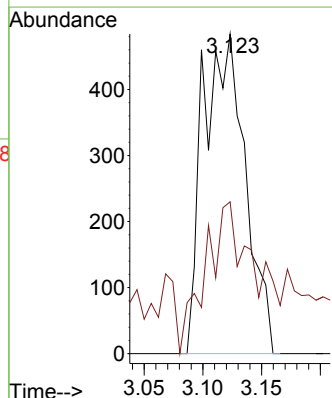
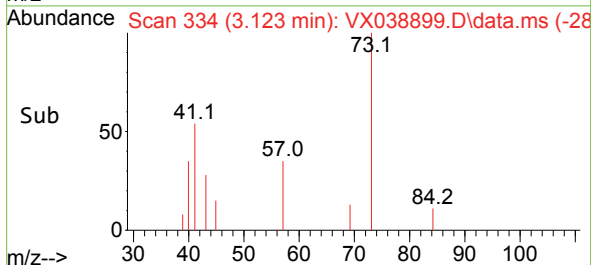
Tgt Ion: 76 Resp: 1108
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

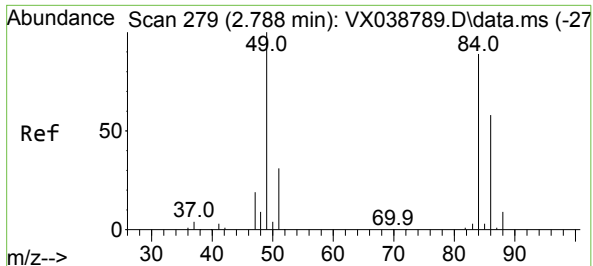


#19
Methyl tert-butyl Ether
Concen: 0.244 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15



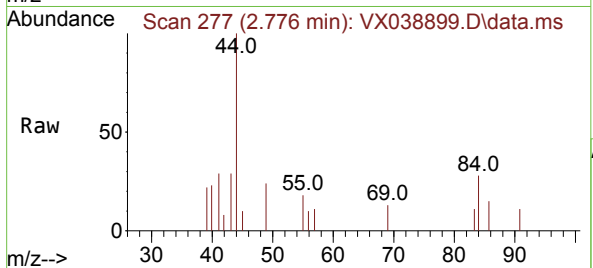
Tgt Ion: 73 Resp: 1210
Ion Ratio Lower Upper
73 100
57 47.5 17.3 25.9#



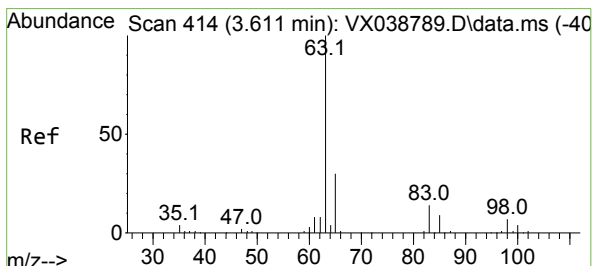
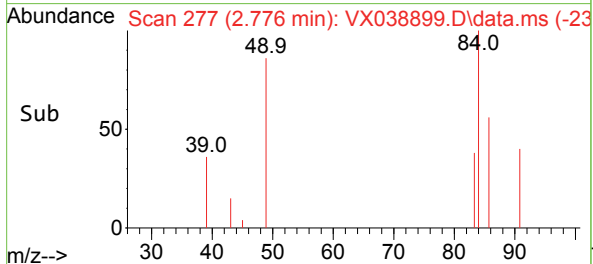
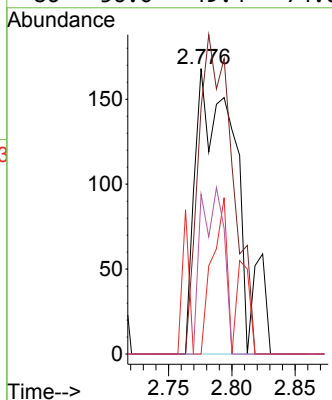


#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Instrument :
MSVOA_X
ClientSampleId :

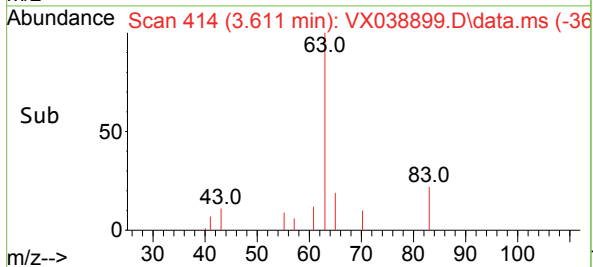
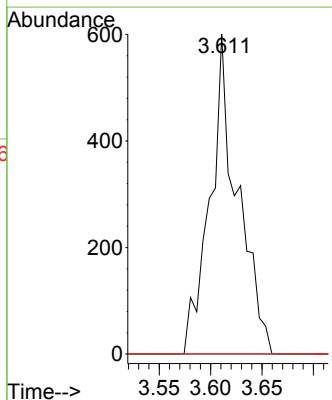
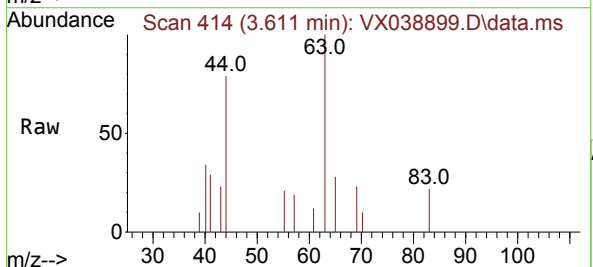


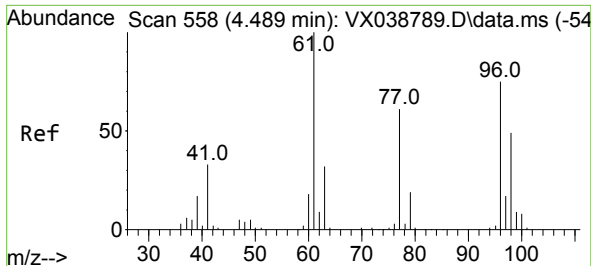
Tgt Ion: 84 Resp: 380
Ion Ratio Lower Upper
84 100
49 86.3 103.6 155.4#
51 0.0 33.8 50.6#
86 56.0 49.4 74.0



#24
1,1-Dichloroethane
Concen: 0.386 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Tgt Ion: 63 Resp: 1118
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 0.383 ug/l

RT: 4.513 min Scan# 5

Delta R.T. 0.024 min

Lab File: VX038899.D

Acq: 18 Nov 2023 01:15

Instrument :

MSVOA_X

ClientSampleId :

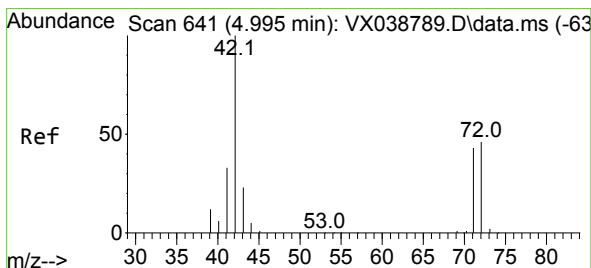
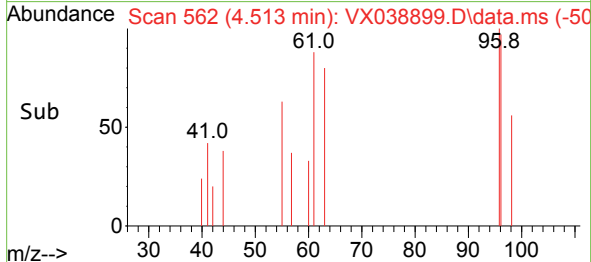
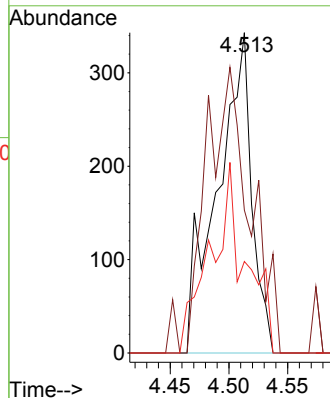
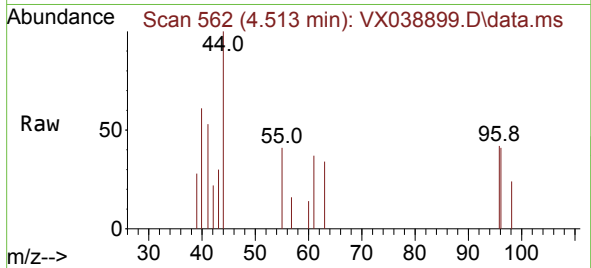
Tgt Ion: 96 Resp: 694

Ion Ratio Lower Upper

96 100

61 112.2 0.0 312.2

98 60.8 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.332 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.030 min

Lab File: VX038899.D

Acq: 18 Nov 2023 01:15

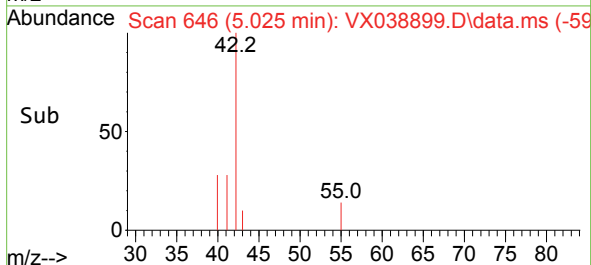
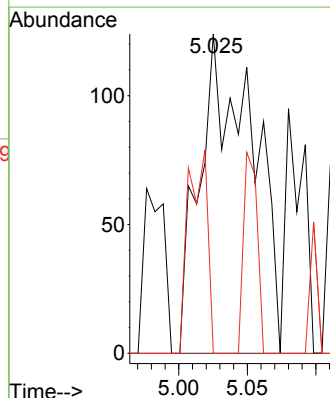
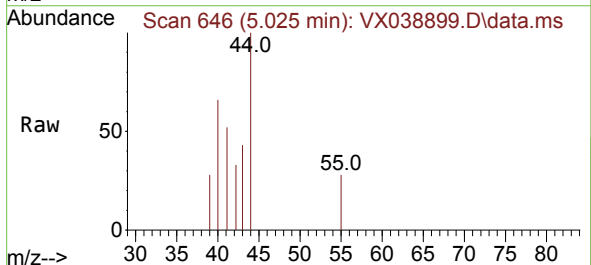
Tgt Ion: 42 Resp: 332

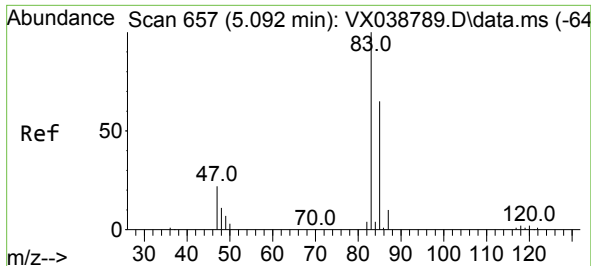
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 22.9 32.2 48.2#

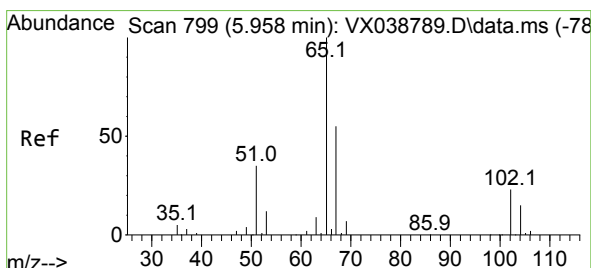
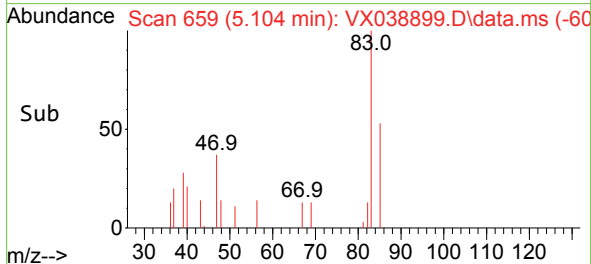
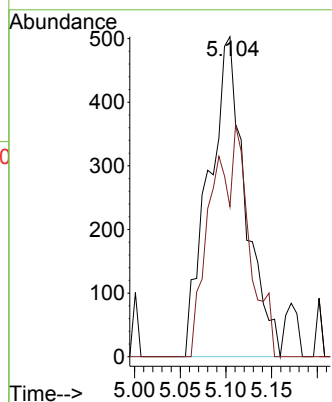
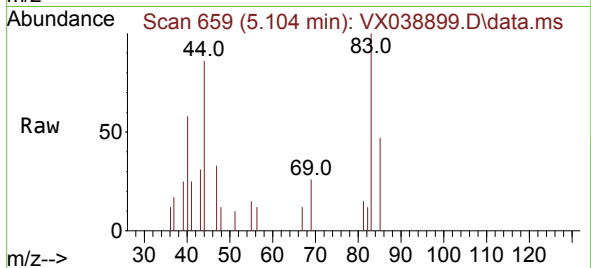




#30
Chloroform
Concen: 0.496 ug/l
RT: 5.104 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

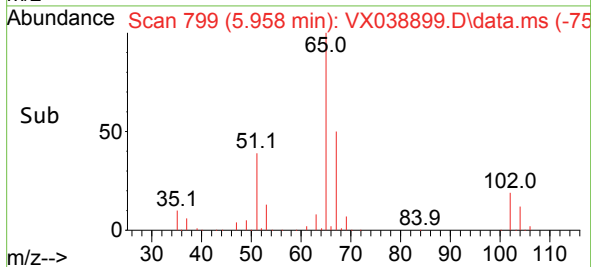
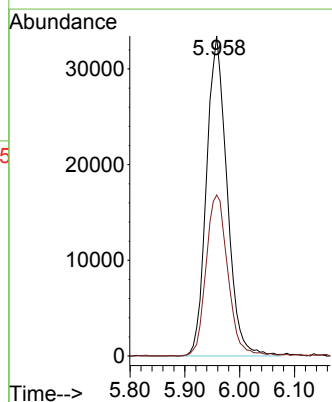
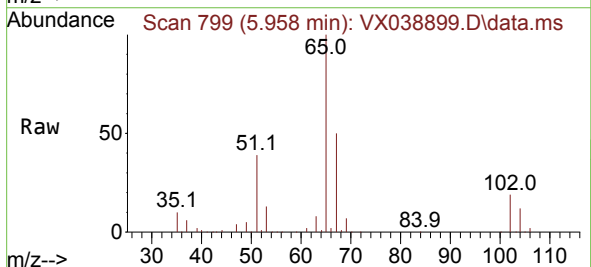
Instrument :
MSVOA_X
ClientSampleId :

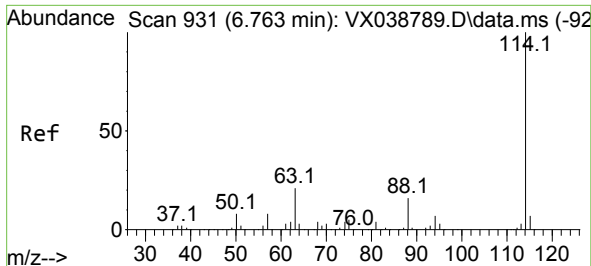
Tgt Ion: 83 Resp: 1402
Ion Ratio Lower Upper
83 100
85 46.9 50.3 75.5#



#33
1,2-Dichloroethane-d4
Concen: 47.629 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Tgt Ion: 65 Resp: 86852
Ion Ratio Lower Upper
65 100
67 53.5 0.0 100.2

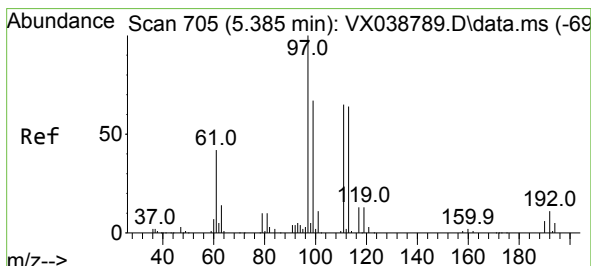
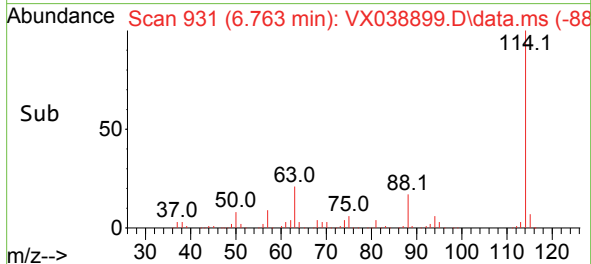
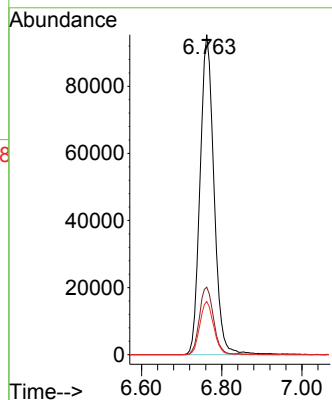
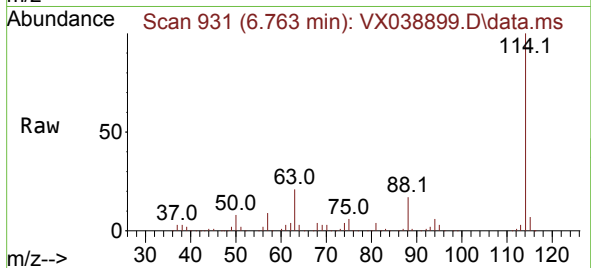




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

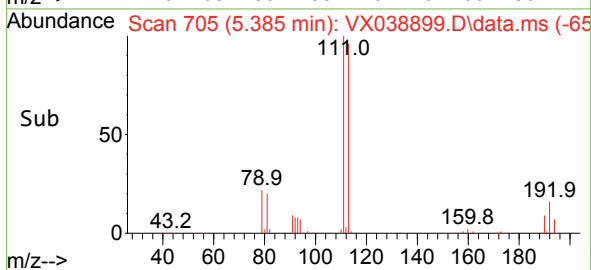
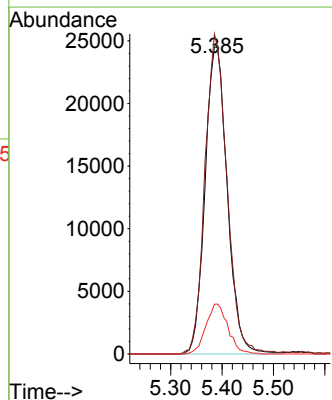
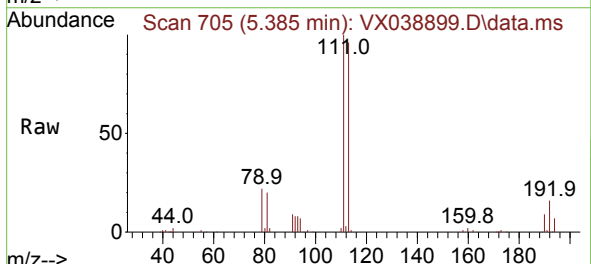
Instrument :
MSVOA_X
ClientSampleId :

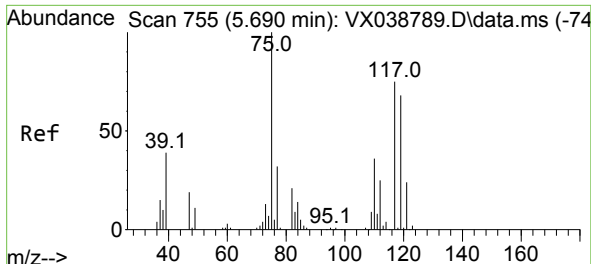
Tgt Ion:114 Resp: 229746
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.415 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

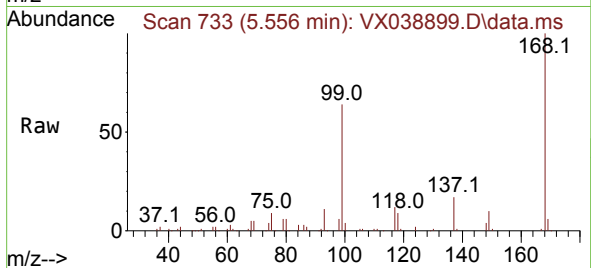
Tgt Ion:113 Resp: 73697
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 16.1 13.3 19.9



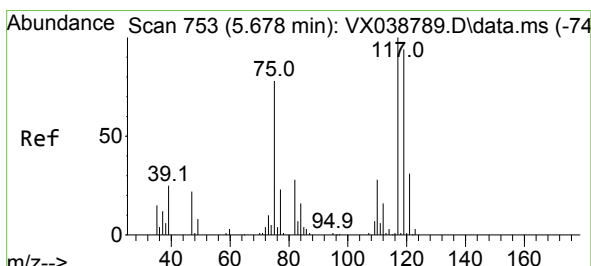
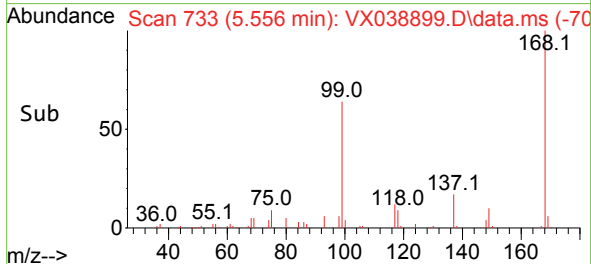
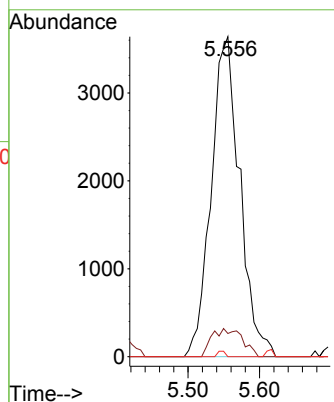


#36
1,1-Dichloropropene
Concen: 4.246 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Instrument :
MSVOA_X
ClientSampleId :

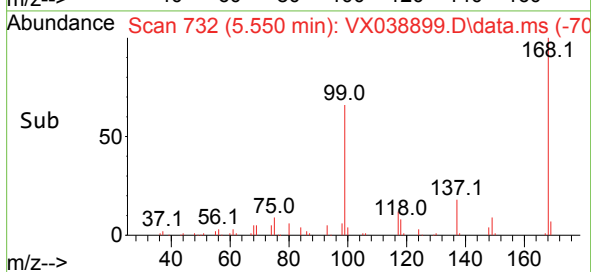
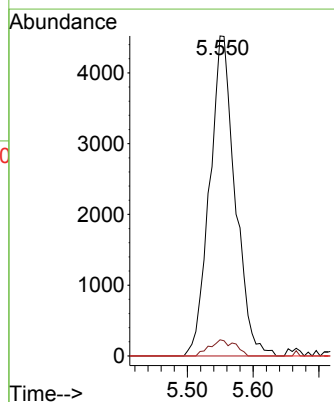
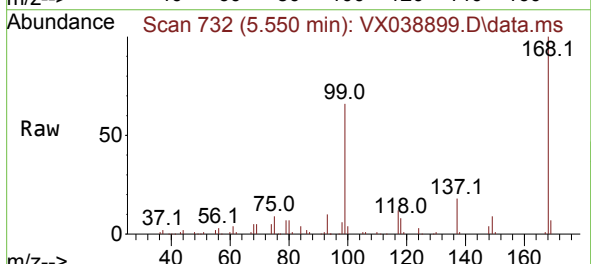


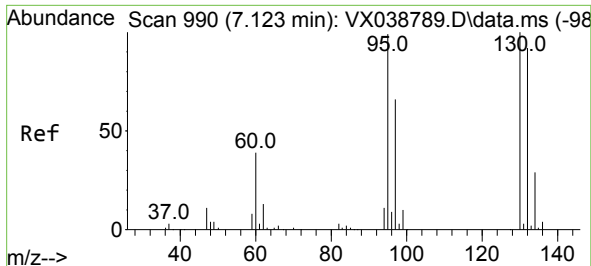
Tgt Ion: 75 Resp: 10097
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.5 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Tgt Ion: 117 Resp: 12216
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#

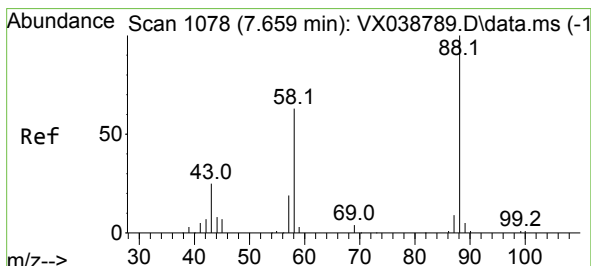
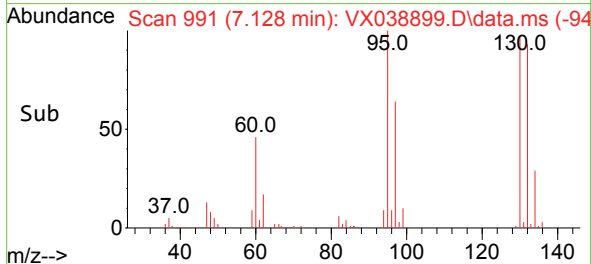
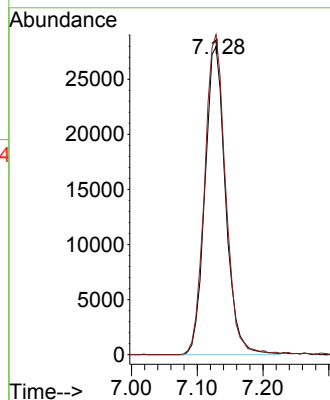
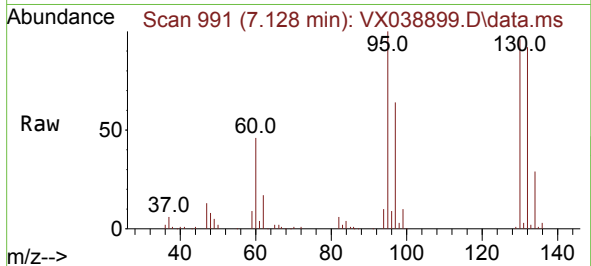




#44
Trichloroethene
Concen: 35.617 ug/l
RT: 7.128 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

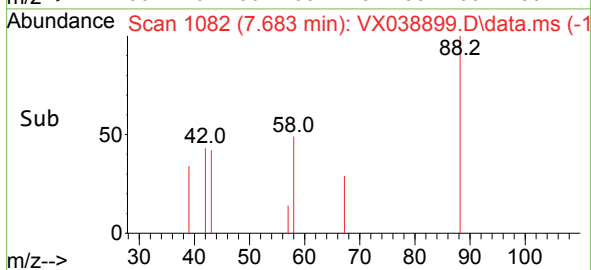
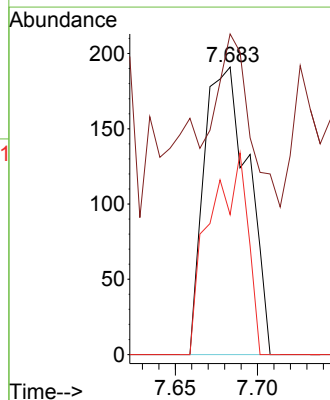
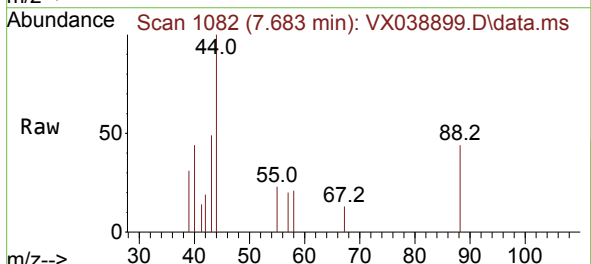
Instrument :
MSVOA_X
ClientSampleId :

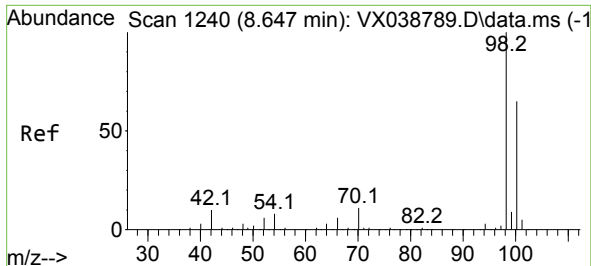
Tgt Ion:130 Resp: 60980
Ion Ratio Lower Upper
130 100
95 103.9 0.0 204.4



#49
1,4-Dioxane
Concen: 7.638 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Tgt Ion: 88 Resp: 355
Ion Ratio Lower Upper
88 100
43 45.6 0.0 0.0#
58 60.0 60.1 90.1#

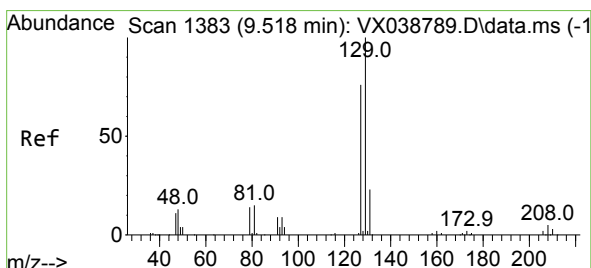
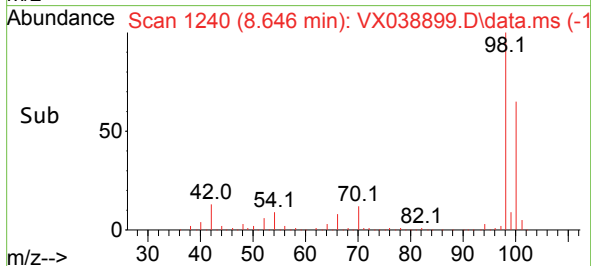
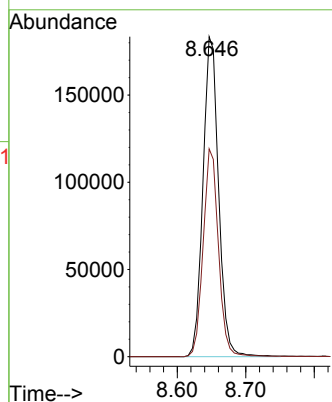
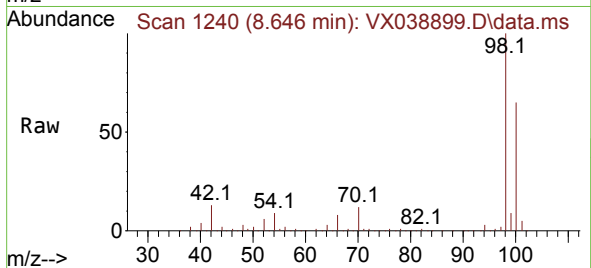




#50
Toluene-d8
Concen: 45.926 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

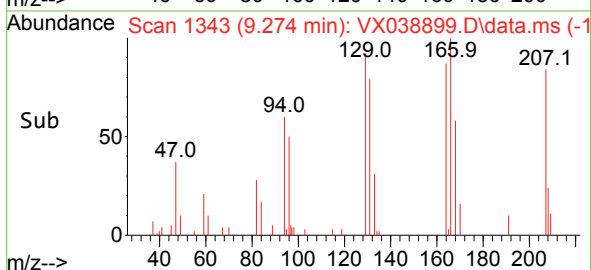
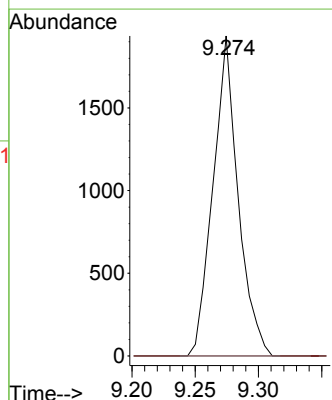
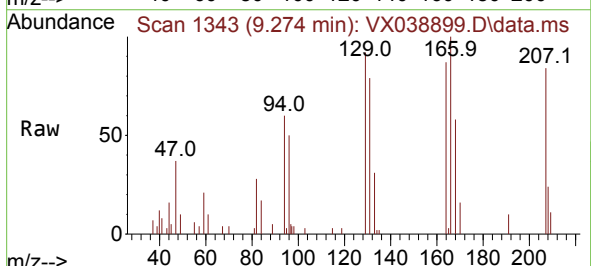
Instrument :
MSVOA_X
ClientSampleId :

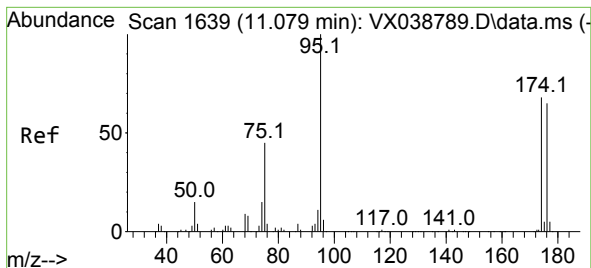
Tgt Ion: 98 Resp: 291563
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#60
Dibromochloromethane
Concen: 1.442 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Tgt Ion:129 Resp: 2670
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

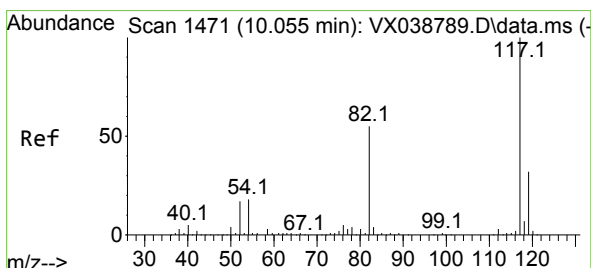
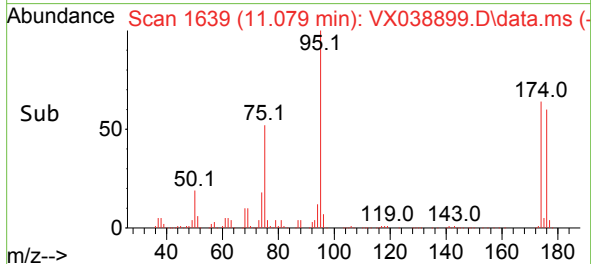
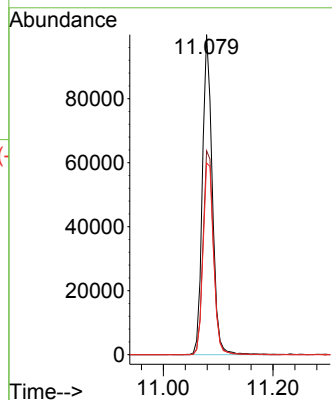
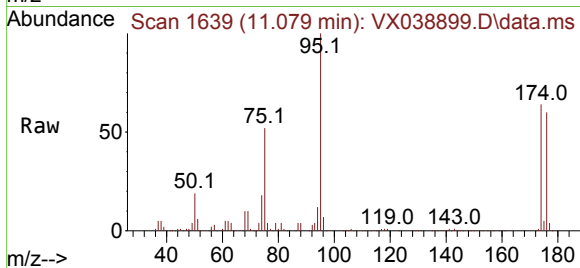




#62
4-Bromofluorobenzene
Concen: 49.245 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

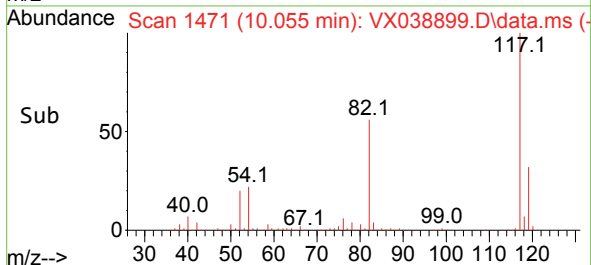
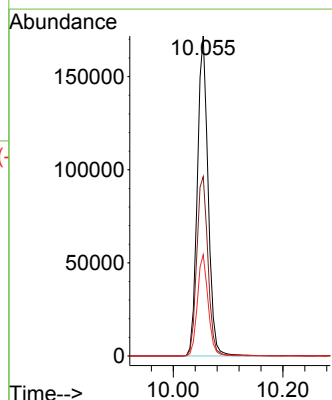
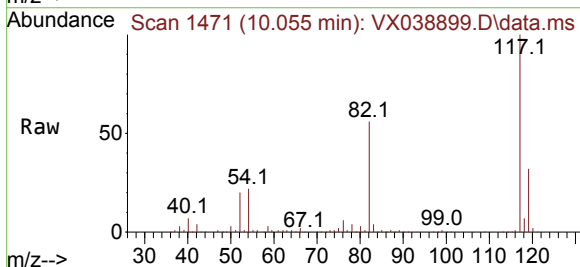
Instrument :
MSVOA_X
ClientSampleId :

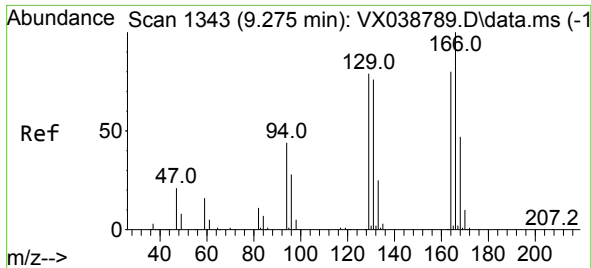
Tgt Ion: 95 Resp: 125148
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.6
176 63.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

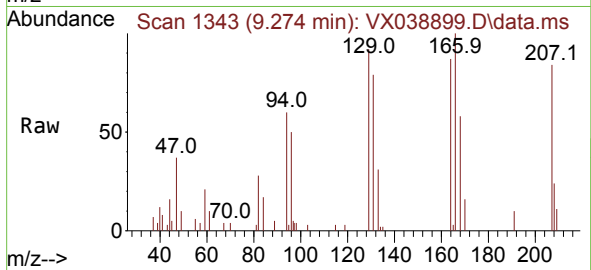
Tgt Ion: 117 Resp: 235617
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 31.6 25.5 38.3





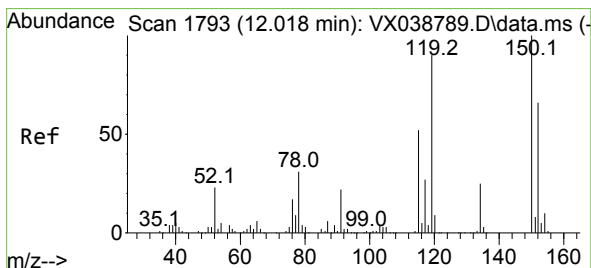
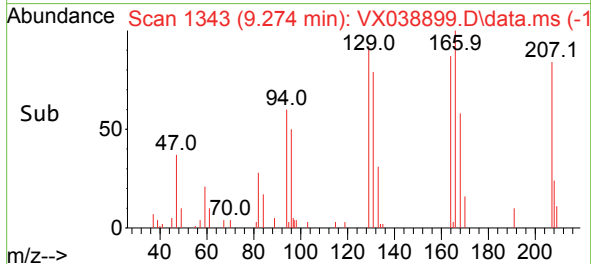
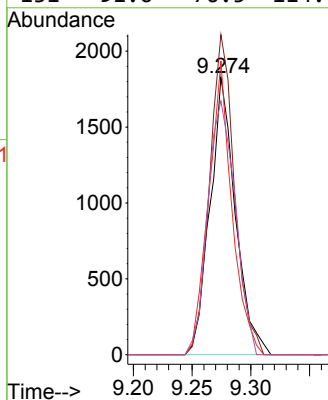
#64
Tetrachloroethene
Concen: 1.882 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:164 Resp: 2757

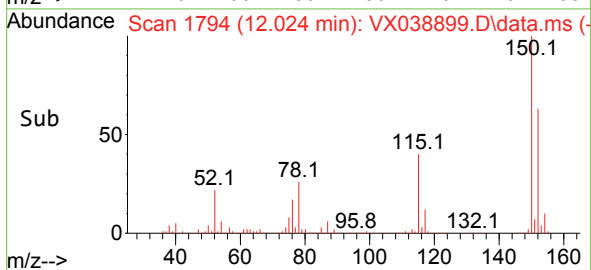
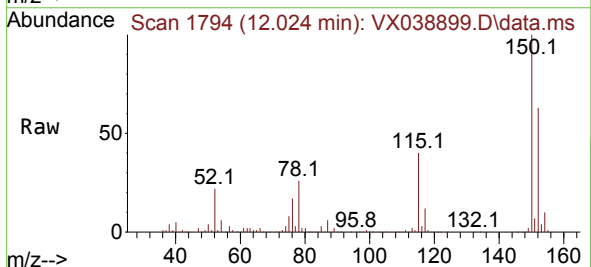
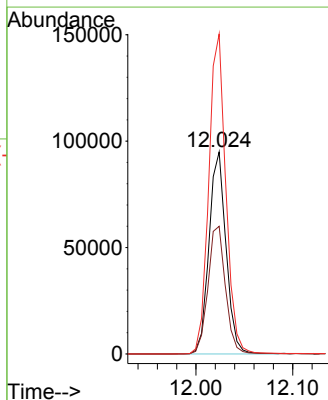
Ion	Ratio	Lower	Upper
164	100		
166	115.4	102.7	154.1
129	105.9	80.4	120.6
131	91.6	76.5	114.7

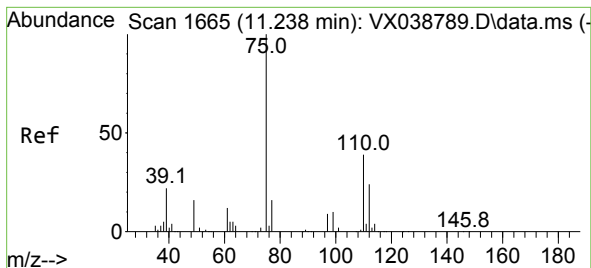


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038899.D
Acq: 18 Nov 2023 01:15

Tgt Ion:152 Resp: 116745

Ion	Ratio	Lower	Upper
152	100		
115	65.1	43.3	129.9
150	158.2	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 22.202 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038899.D

Acq: 18 Nov 2023 01:15

Instrument :

MSVOA_X

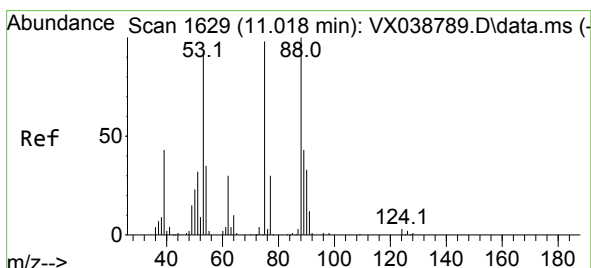
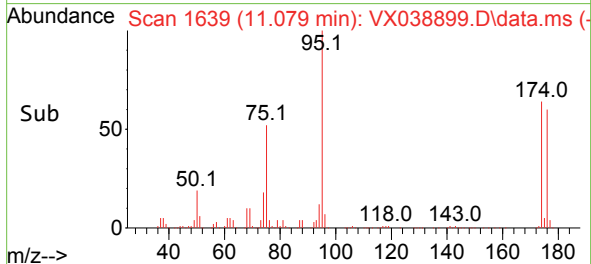
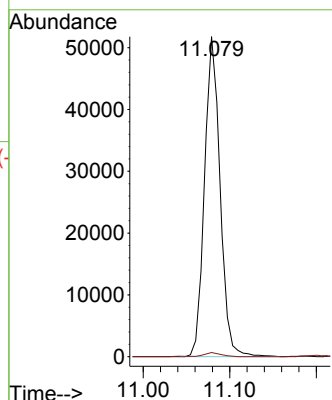
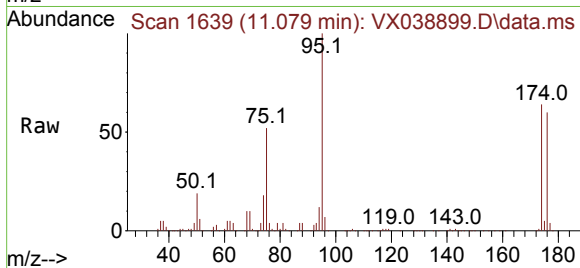
ClientSampleId :

Tgt Ion: 75 Resp: 64669

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.246 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038899.D

Acq: 18 Nov 2023 01:15

Tgt Ion: 75 Resp: 64669

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

