

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038920.D
 Acq On : 18 Nov 2023 11:58
 Operator : JC/MD
 Sample : VX1118WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 20 04:31:47 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	104965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	210851	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106308	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81858	48.398	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.800%
35) Dibromofluoromethane	5.385	113	67517	44.337	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.680%
50) Toluene-d8	8.647	98	266439	45.730	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.460%#
62) 4-Bromofluorobenzene	11.079	95	113196	48.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.060%

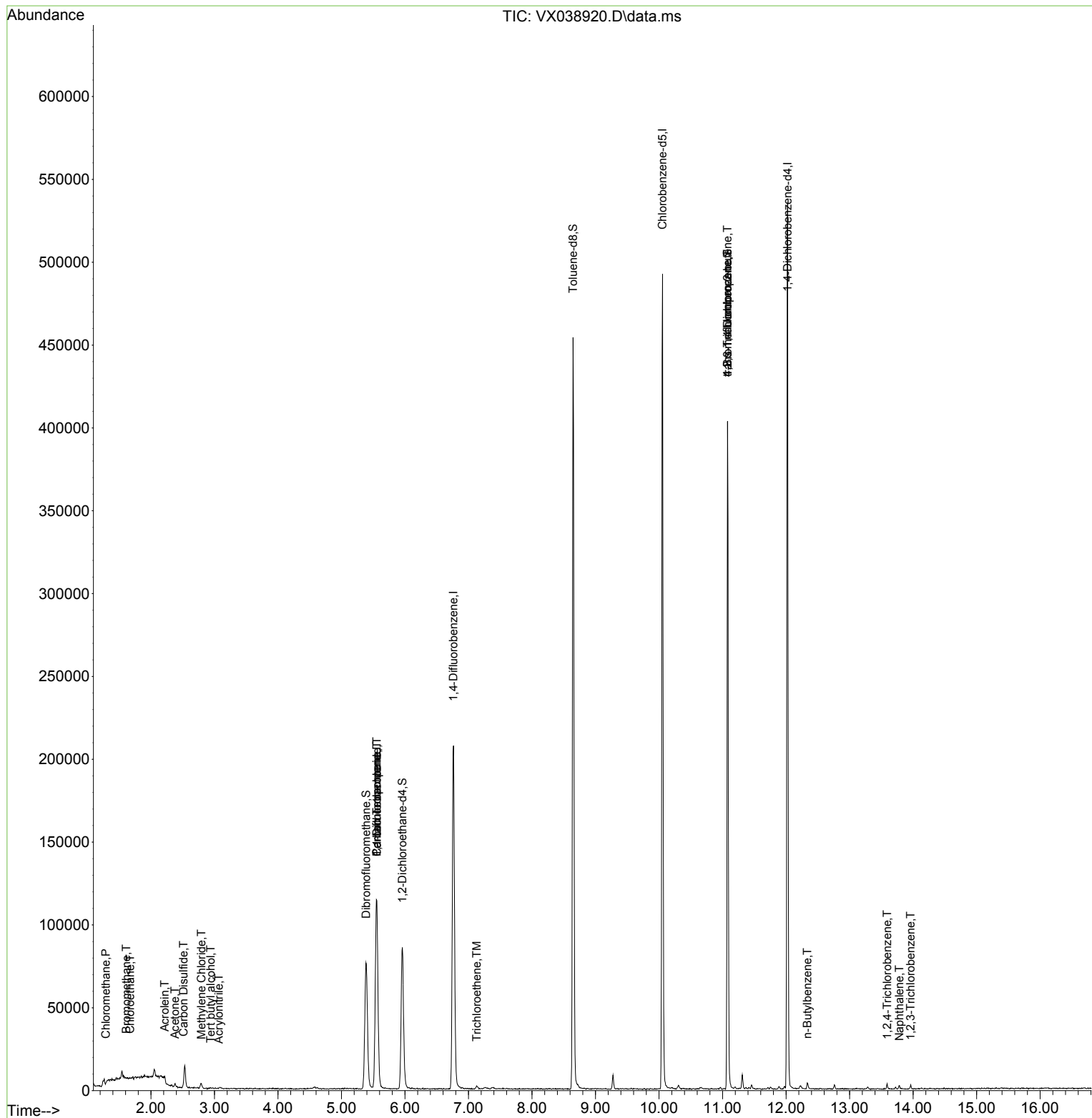
Target Compounds			Qvalue			
3) Chloromethane	1.288	50	413	0.258	ug/l #	43
5) Bromomethane	1.611	94	198	0.311	ug/l #	3
6) Chloroethane	1.672	64	241	0.274	ug/l #	43
11) Tert butyl alcohol	2.940	59	116	0.247	ug/l #	1
13) Acrolein	2.215	56	141	0.567	ug/l #	29
15) Acrylonitrile	3.068	53	490	0.493	ug/l #	52
16) Acetone	2.380	43	2153	2.391	ug/l	96
17) Carbon Disulfide	2.514	76	1628	0.402	ug/l #	93
20) Methylene Chloride	2.794	84	1377	0.848	ug/l #	83
36) 1,1-Dichloropropene	5.556	75	9677	4.434	ug/l #	50
38) Carbon Tetrachloride	5.556	117	11469	5.686	ug/l #	15
44) Trichloroethene	7.129	130	564	0.359	ug/l	81
76) 1,2,3-Trichloropropane	11.079	75	59098	22.281	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59098	49.422	ug/l #	5
89) n-Butylbenzene	12.335	91	1675	0.231	ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	691	0.298	ug/l	97
95) Naphthalene	13.786	128	1776	0.206	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	533	0.243	ug/l	98

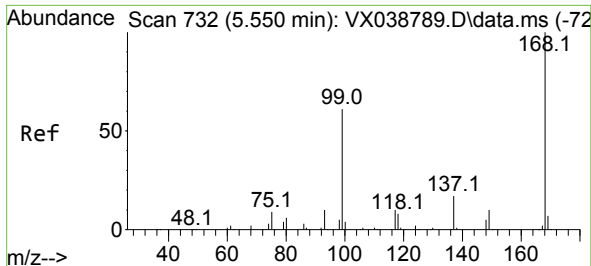
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Time: Nov 20 04:31:47 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

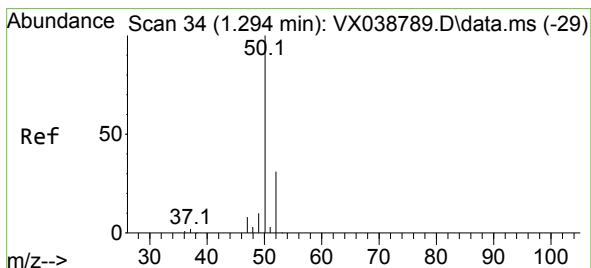
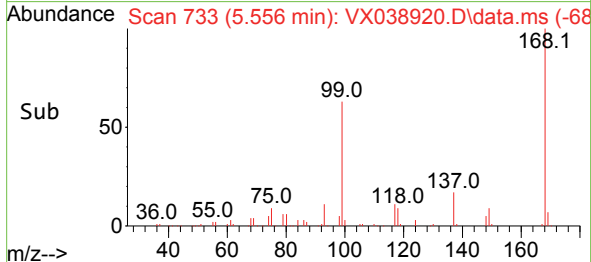
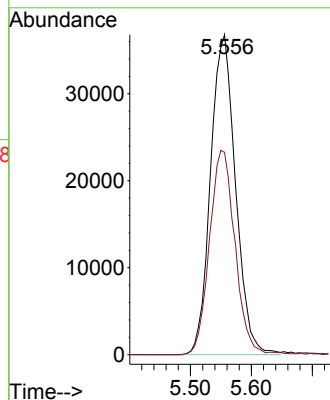
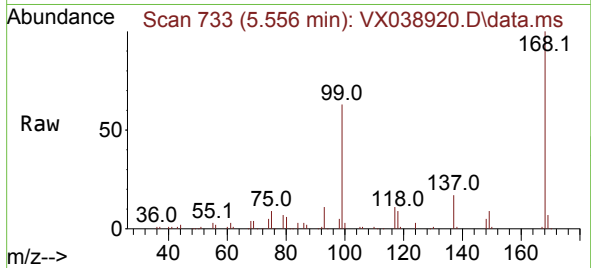




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

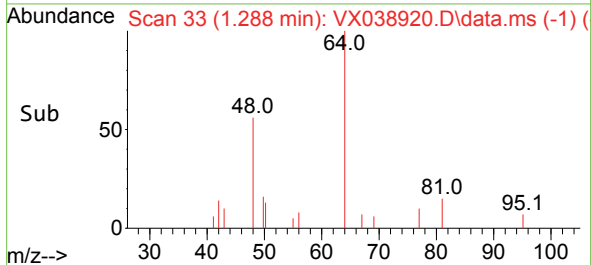
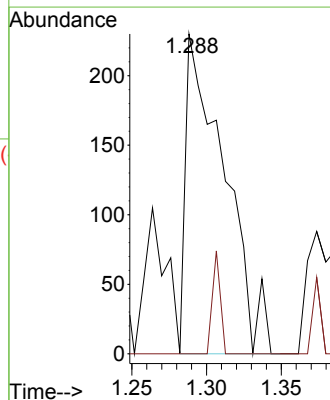
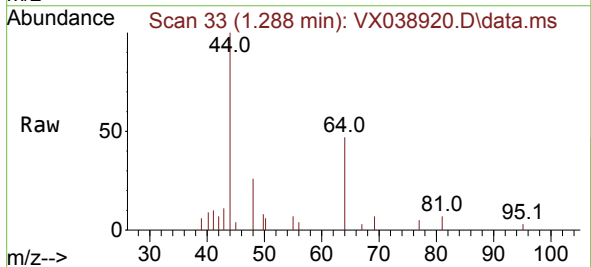
Instrument :
MSVOA_X
ClientSampleId :

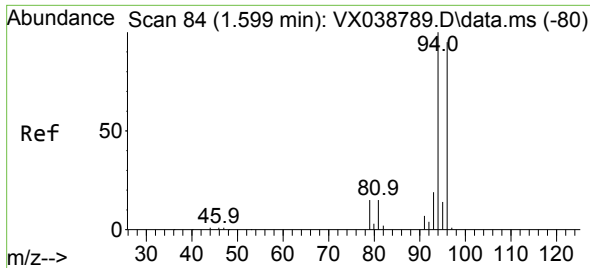
Tgt Ion:168 Resp: 104965
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#3
Chloromethane
Concen: 0.258 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

Tgt Ion: 50 Resp: 413
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

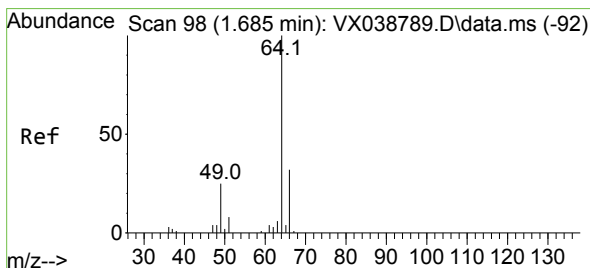
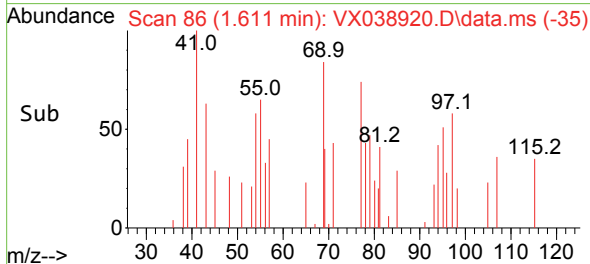
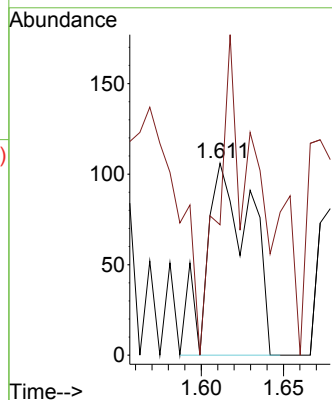
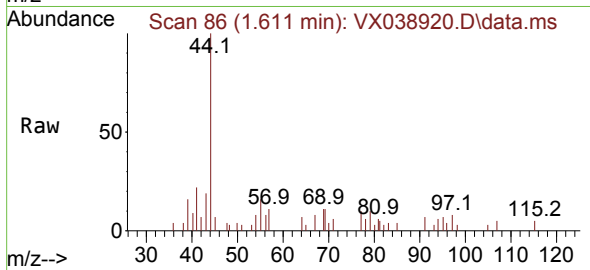




#5
Bromomethane
Concen: 0.311 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

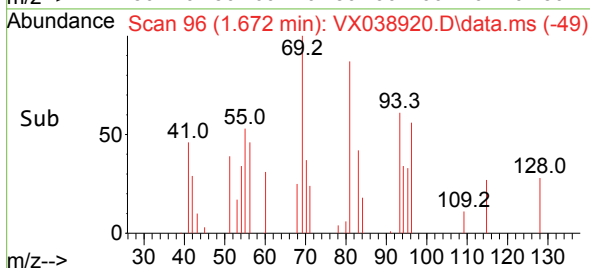
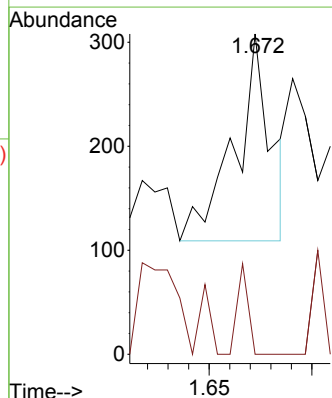
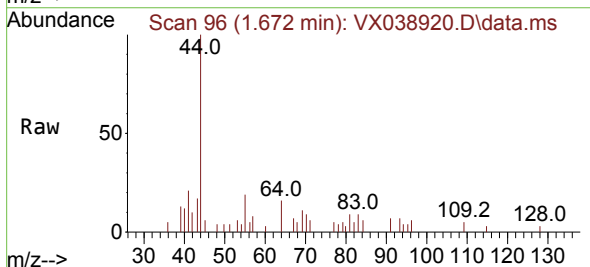
Instrument :
MSVOA_X
ClientSampleId :

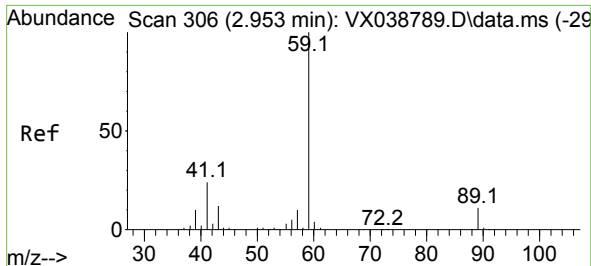
Tgt Ion: 94 Resp: 198
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: 0.274 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

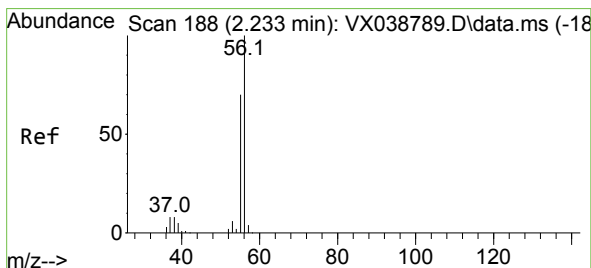
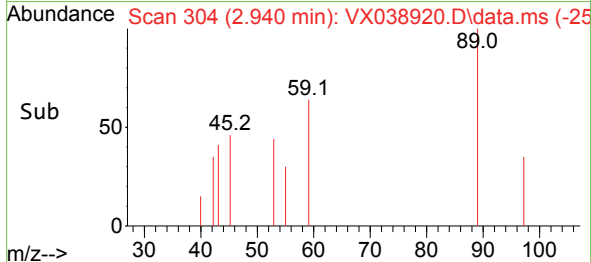
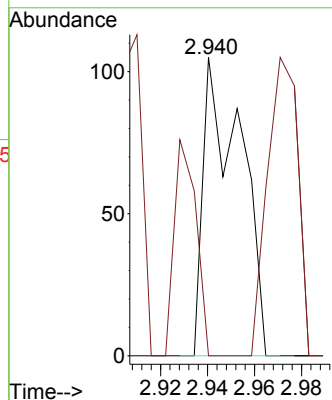
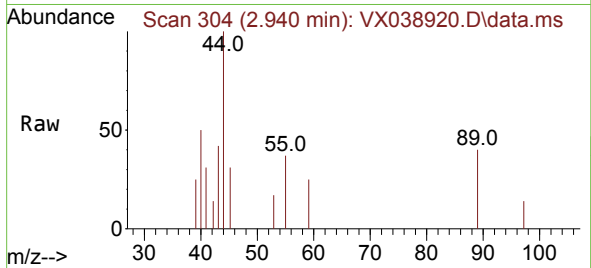




#11
Tert butyl alcohol
Concen: 0.247 ug/l
RT: 2.940 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

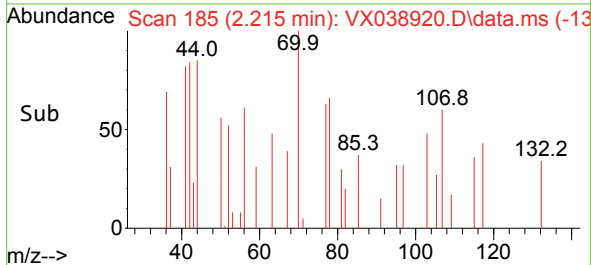
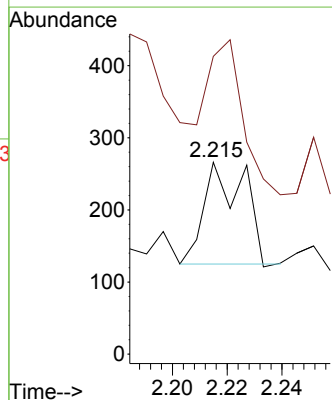
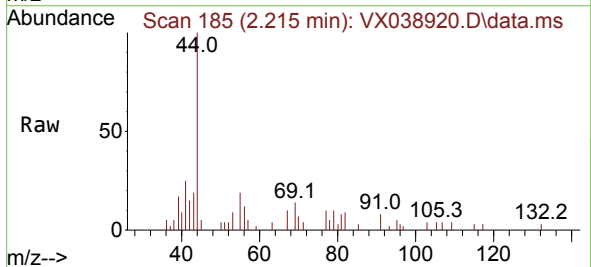
Instrument :
MSVOA_X
ClientSampleId :

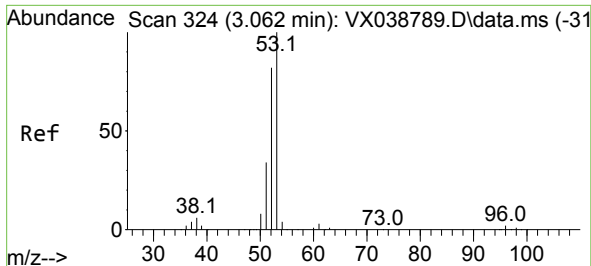
Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 42.2 6.0 9.0#



#13
Acrolein
Concen: 0.567 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.018 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 130.5 57.1 85.7#

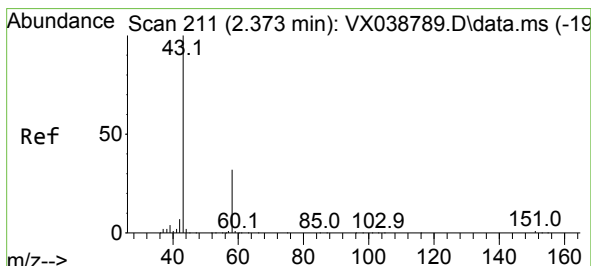
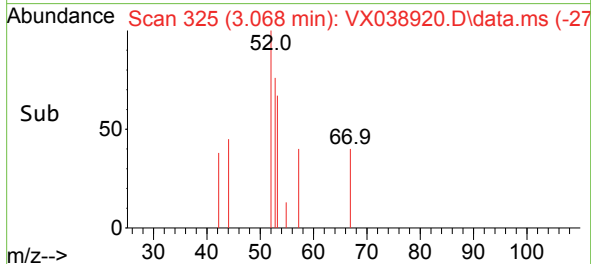
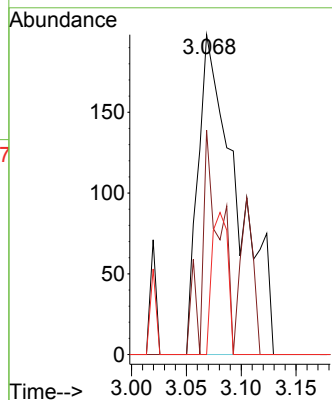
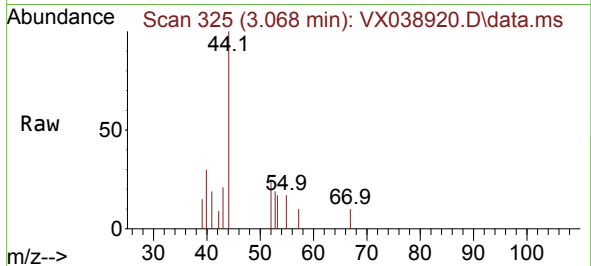




#15
Acrylonitrile
Concen: 0.493 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

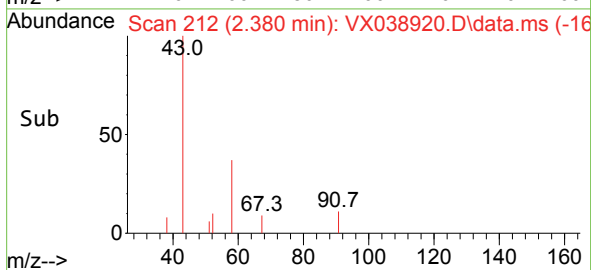
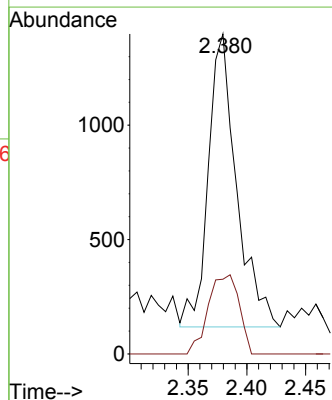
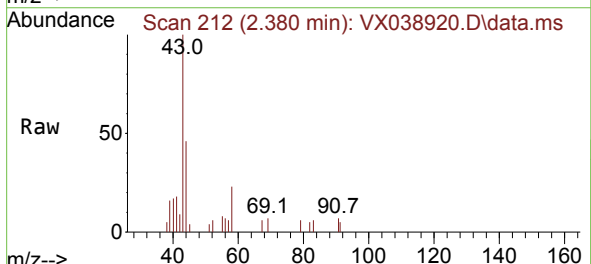
Instrument :
MSVOA_X
ClientSampleId :

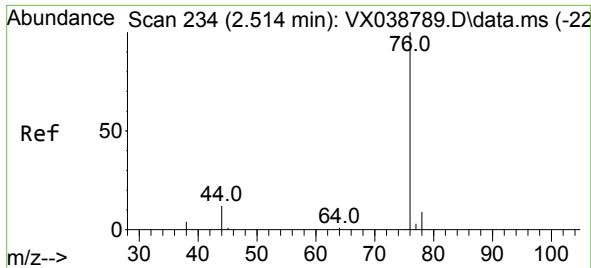
Tgt Ion: 53 Resp: 490
Ion Ratio Lower Upper
53 100
52 32.9 66.0 99.0#
51 18.2 29.8 44.6#



#16
Acetone
Concen: 2.391 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

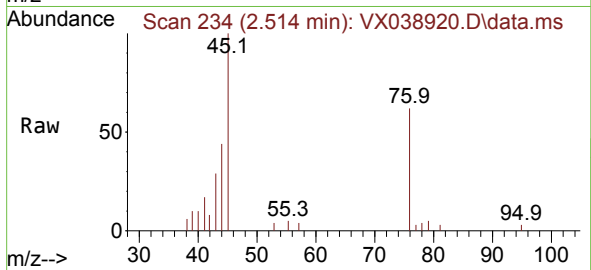
Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
58 25.5 21.9 32.9



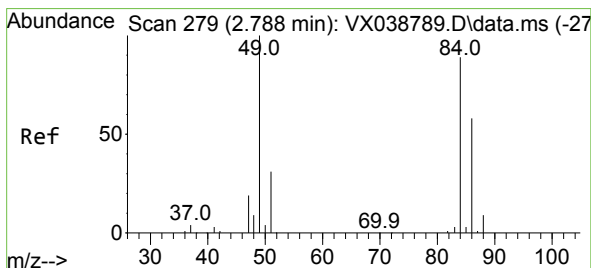
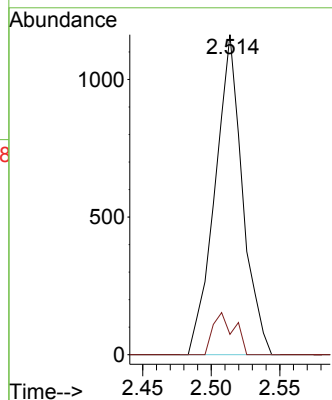
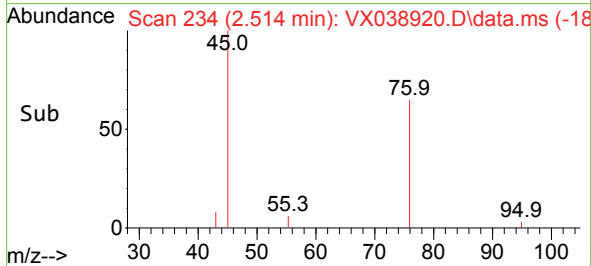


#17
Carbon Disulfide
Concen: 0.402 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

Instrument :
MSVOA_X
ClientSampleId :

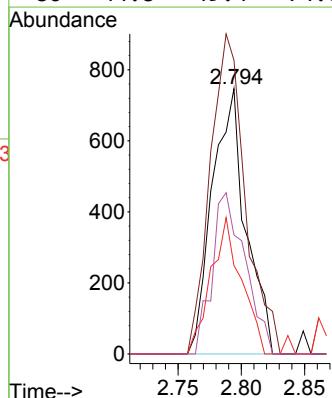
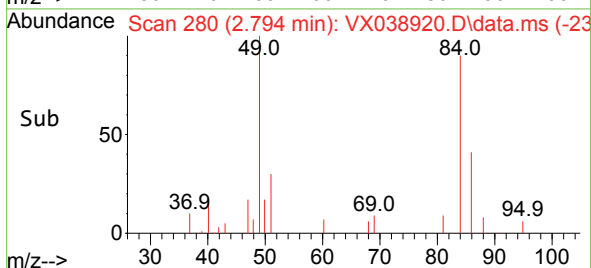
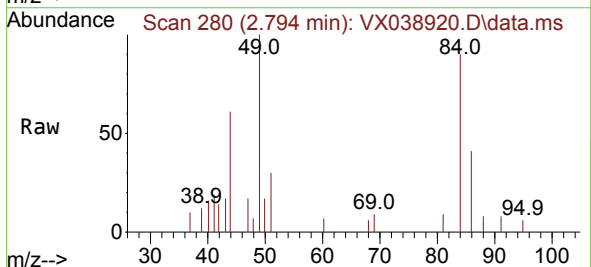


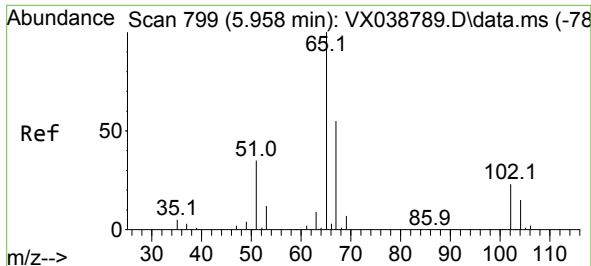
Tgt Ion: 76 Resp: 1628
Ion Ratio Lower Upper
76 100
78 6.4 7.0 10.6#



#20
Methylene Chloride
Concen: 0.848 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

Tgt Ion: 84 Resp: 1377
Ion Ratio Lower Upper
84 100
49 110.7 103.6 155.4
51 33.3 33.8 50.6#
86 44.8 49.4 74.0#





#33

1,2-Dichloroethane-d4

Concen: 48.398 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038920.D

Acq: 18 Nov 2023 11:58

Instrument :

MSVOA_X

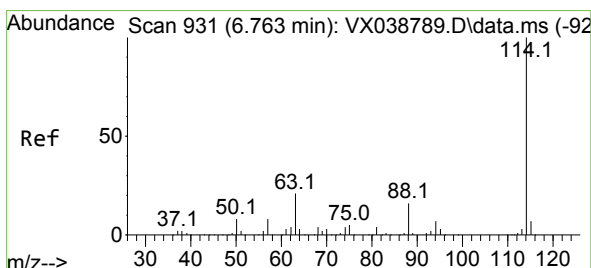
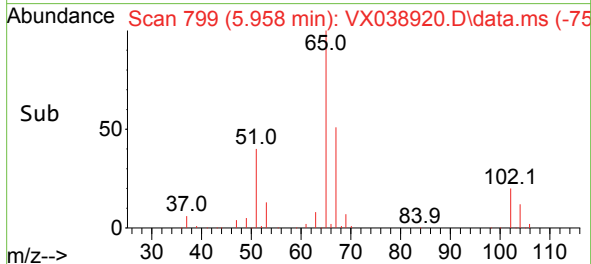
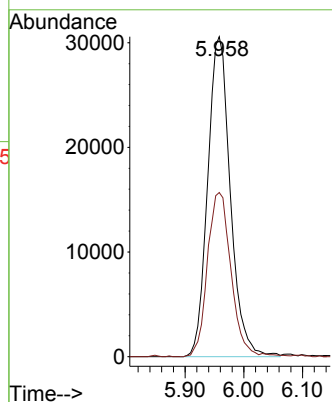
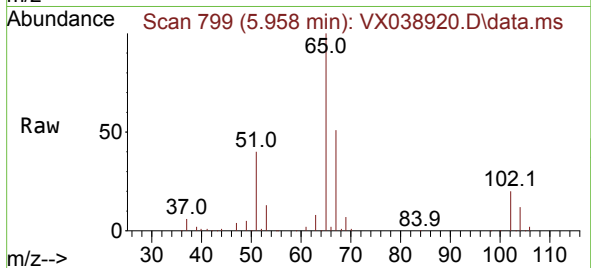
ClientSampleId :

Tgt Ion: 65 Resp: 81858

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# 931

Delta R.T. 0.000 min

Lab File: VX038920.D

Acq: 18 Nov 2023 11:58

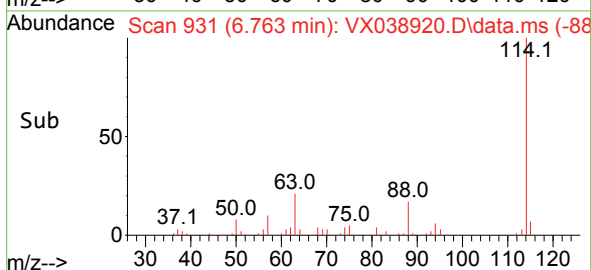
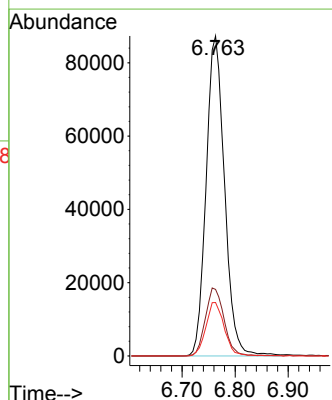
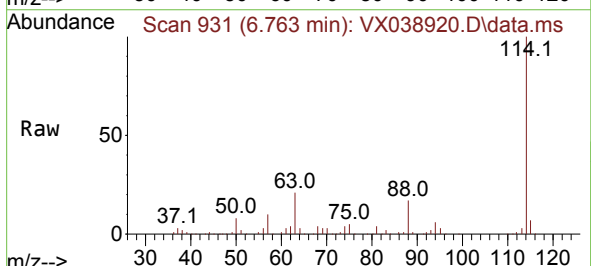
Tgt Ion: 114 Resp: 210851

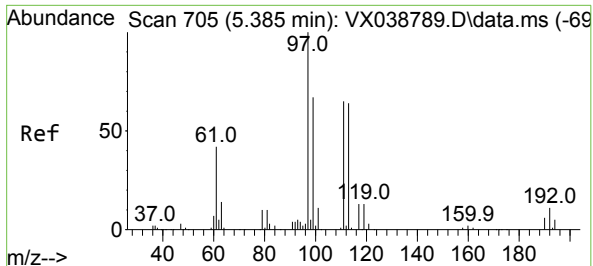
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

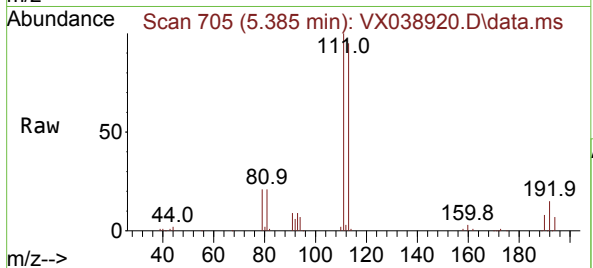
88 16.7 0.0 36.6



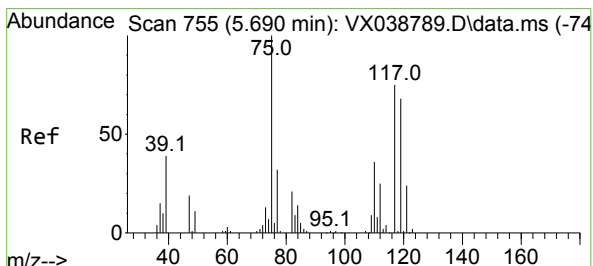
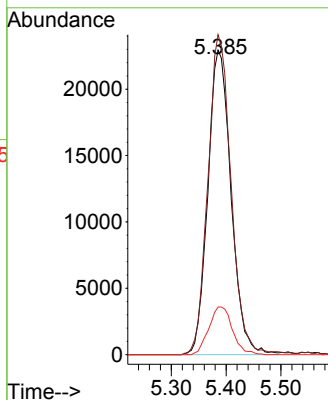
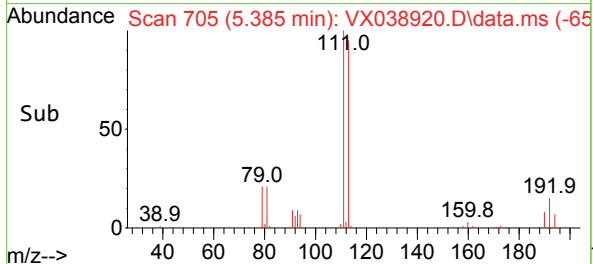


#35
Dibromofluoromethane
Concen: 44.337 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

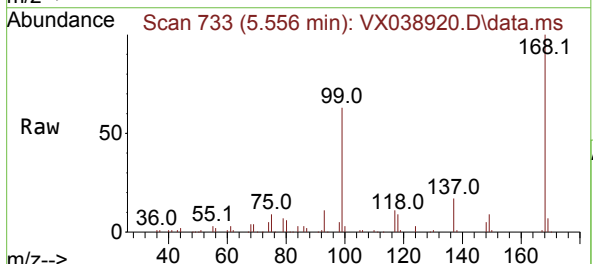
Instrument :
MSVOA_X
ClientSampleId :



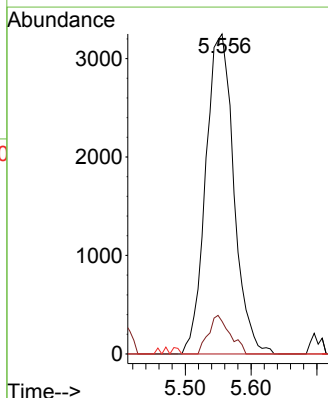
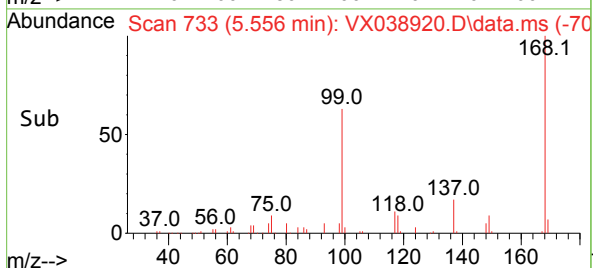
Tgt Ion:113 Resp: 67517
Ion Ratio Lower Upper
113 100
111 104.1 82.9 124.3
192 16.0 13.3 19.9

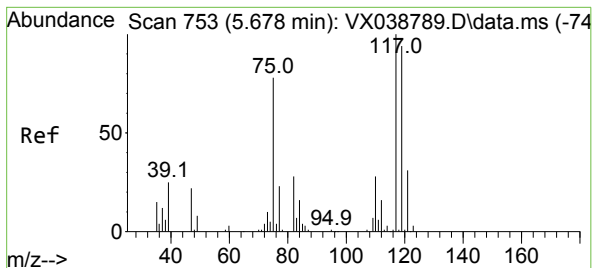


#36
1,1-Dichloropropene
Concen: 4.434 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58



Tgt Ion: 75 Resp: 9677
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.686 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

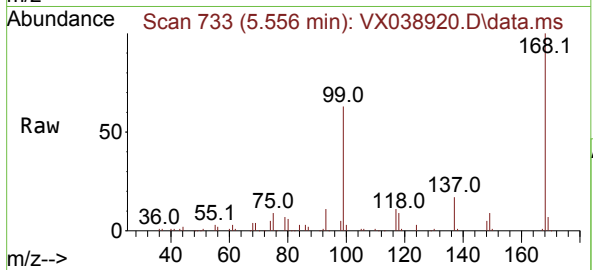
Lab File: VX038920.D

Acq: 18 Nov 2023 11:58

Instrument :

MSVOA_X

ClientSampleId :



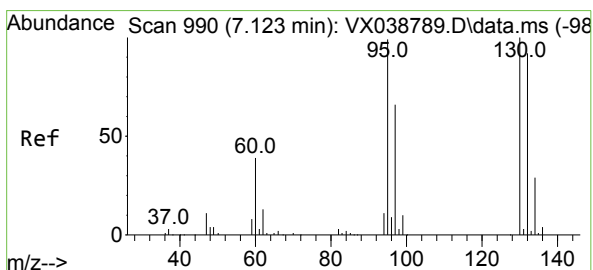
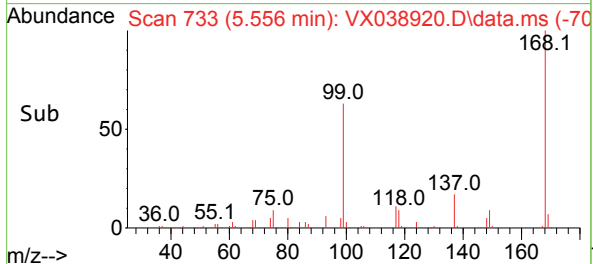
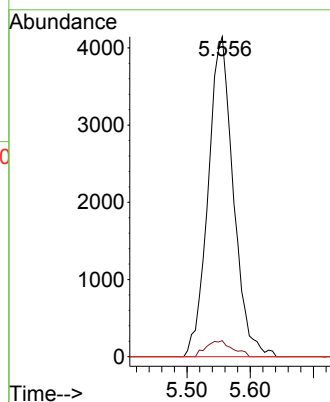
Tgt Ion:117 Resp: 11469

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 0.359 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX038920.D

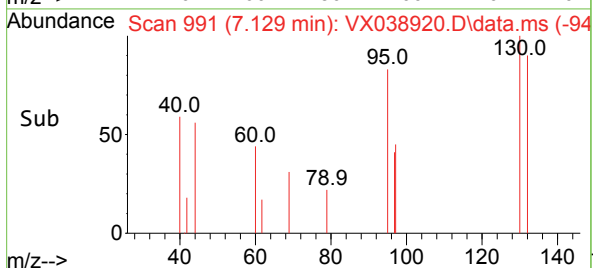
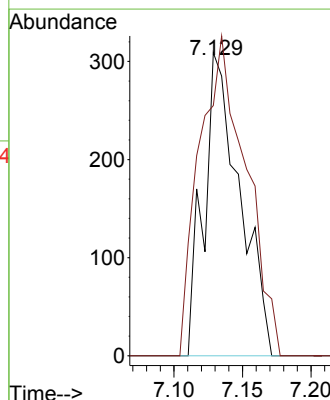
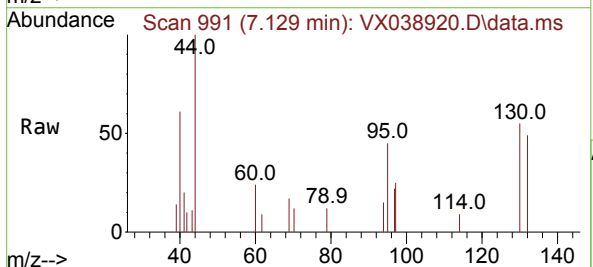
Acq: 18 Nov 2023 11:58

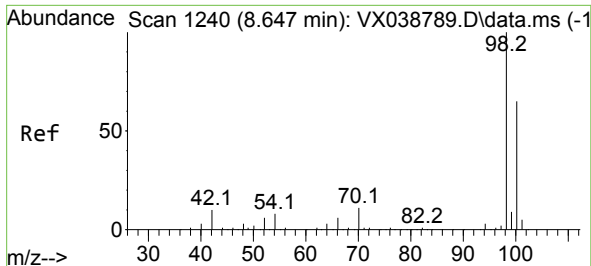
Tgt Ion:130 Resp: 564

Ion Ratio Lower Upper

130 100

95 82.5 0.0 204.4

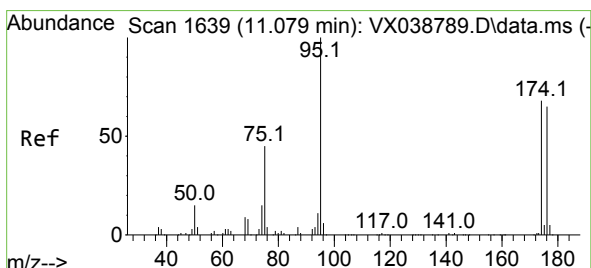
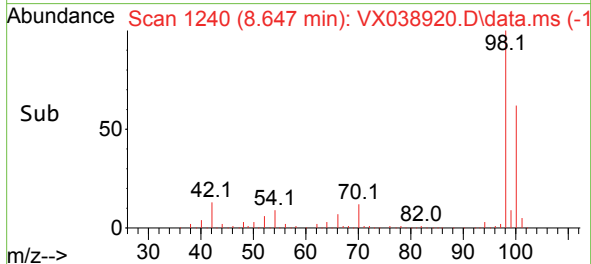
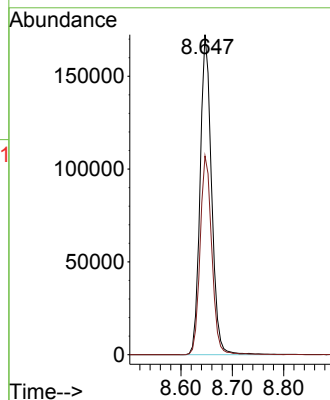
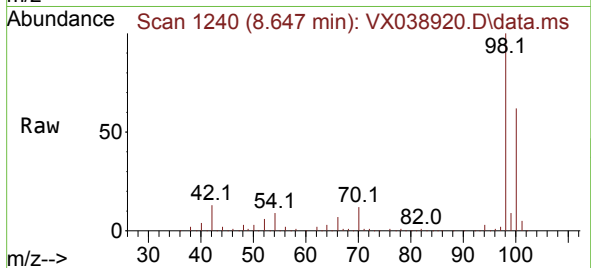




#50
Toluene-d8
Concen: 45.730 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

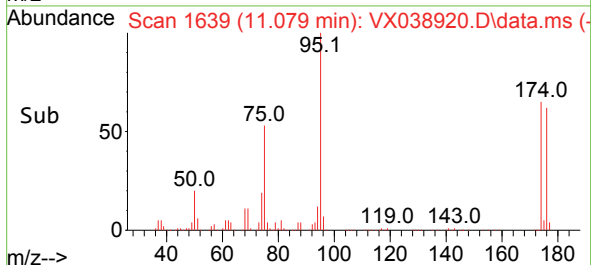
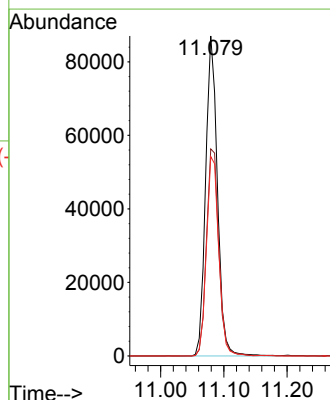
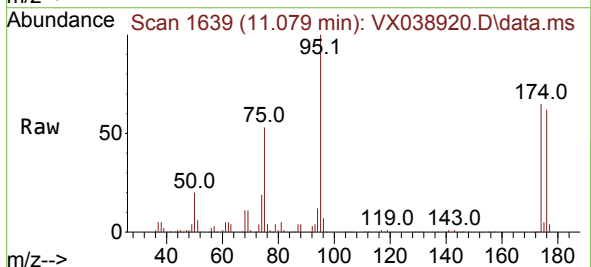
Instrument :
MSVOA_X
ClientSampleId :

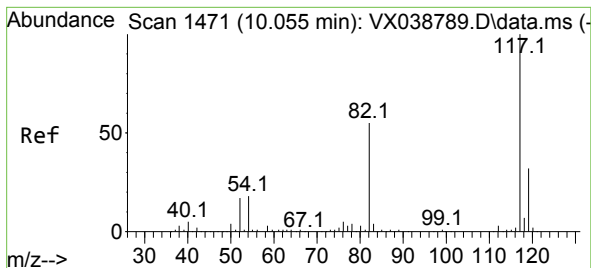
Tgt Ion: 98 Resp: 266439
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.533 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

Tgt Ion: 95 Resp: 113196
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.6
176 64.9 0.0 131.0

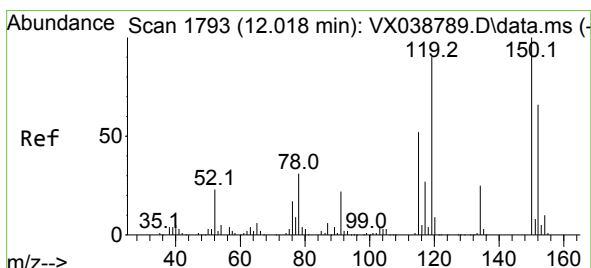
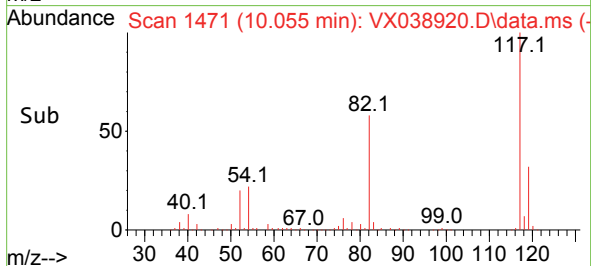
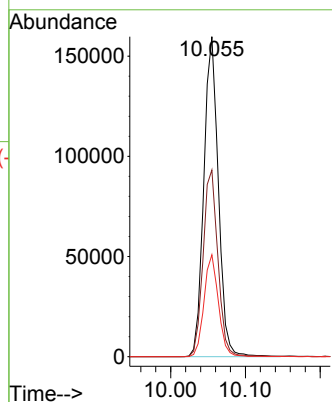
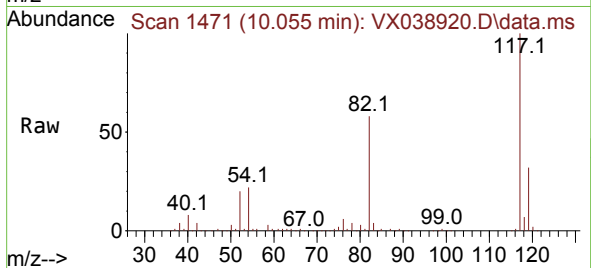




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

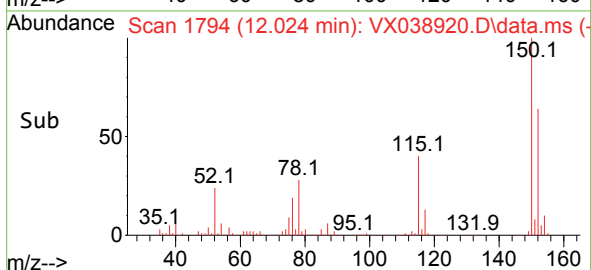
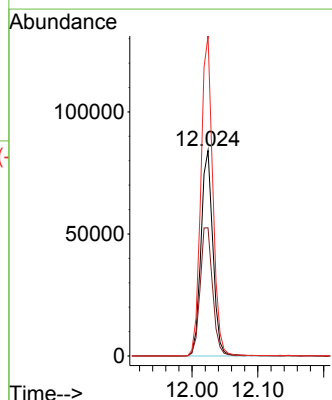
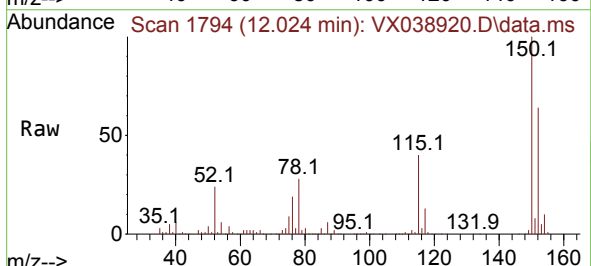
Instrument :
MSVOA_X
ClientSampleId :

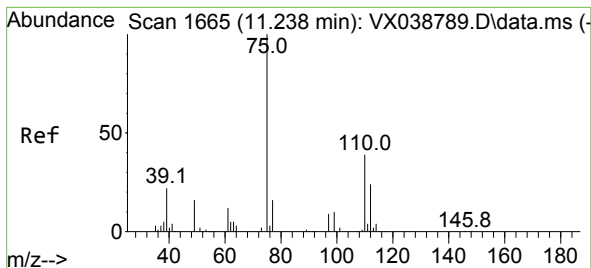
Tgt Ion:117 Resp: 215751
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.4
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038920.D
Acq: 18 Nov 2023 11:58

Tgt Ion:152 Resp: 106308
Ion Ratio Lower Upper
152 100
115 65.2 43.3 129.9
150 155.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.281 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038920.D

Acq: 18 Nov 2023 11:58

Instrument :

MSVOA_X

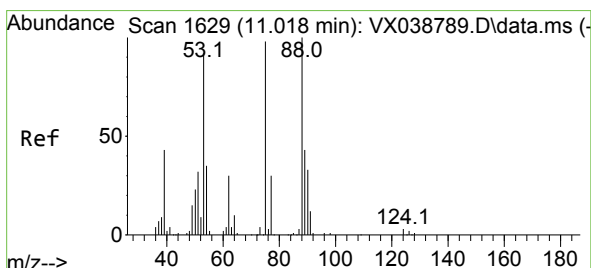
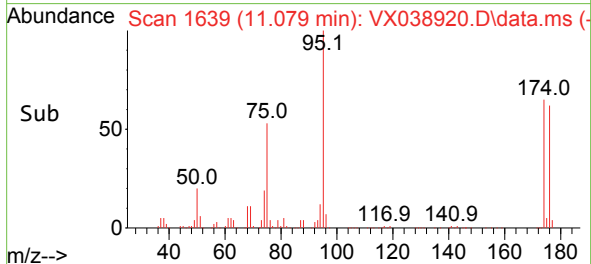
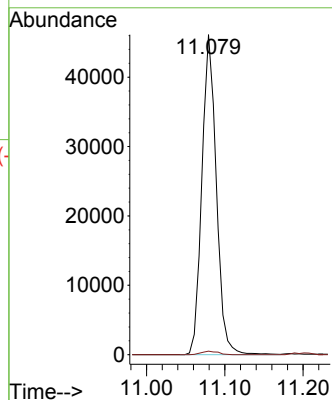
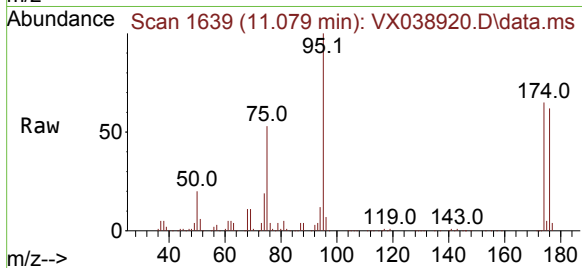
ClientSampleId :

Tgt Ion: 75 Resp: 59098

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.422 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038920.D

Acq: 18 Nov 2023 11:58

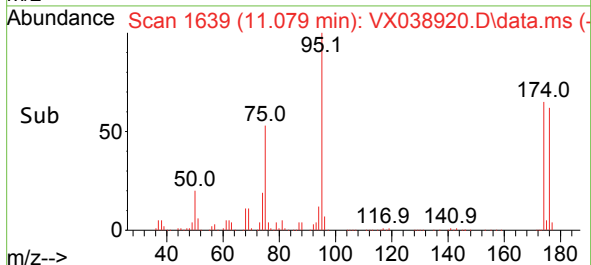
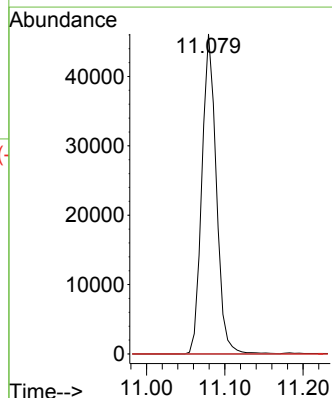
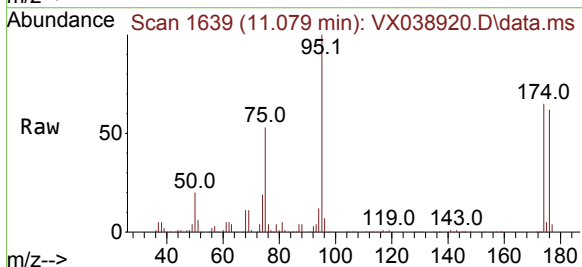
Tgt Ion: 75 Resp: 59098

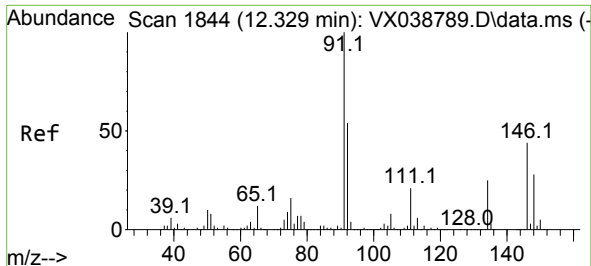
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.231 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX038920.D

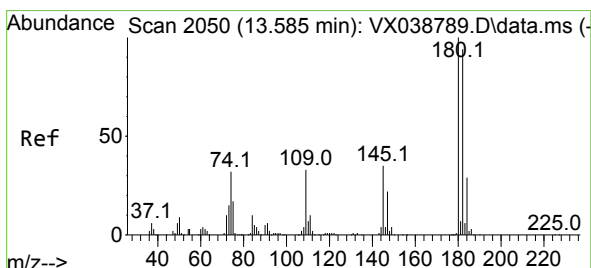
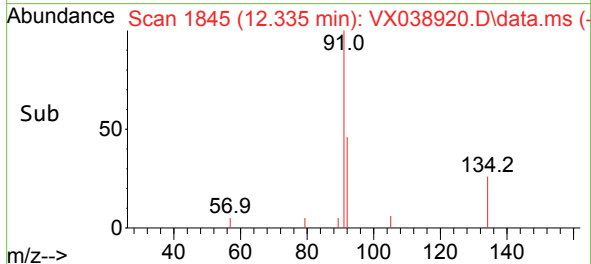
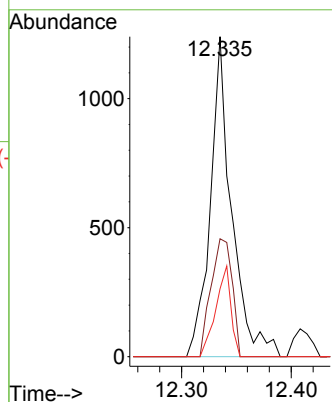
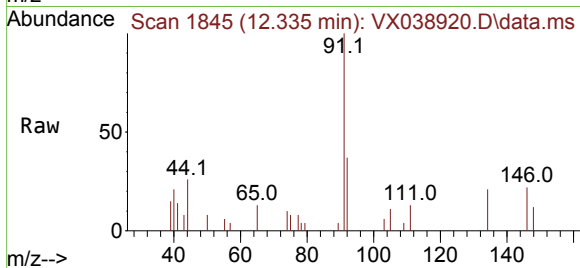
Acq: 18 Nov 2023 11:58

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp:	1675
Ion	Ratio	Lower Upper
91	100	
92	36.4	27.4 82.0
134	20.2	12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.298 ug/l

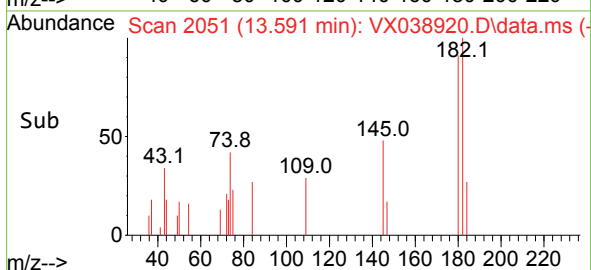
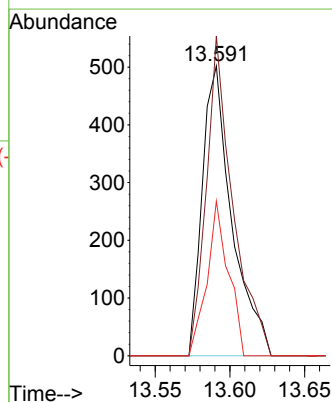
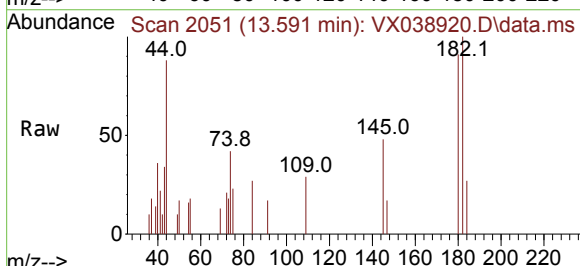
RT: 13.591 min Scan# 2051

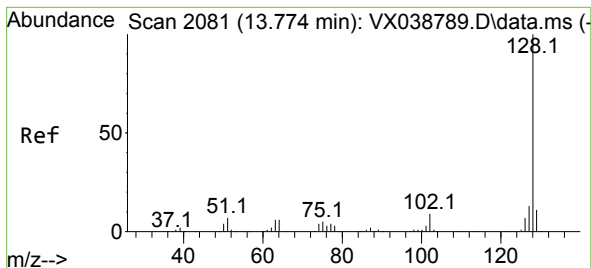
Delta R.T. 0.006 min

Lab File: VX038920.D

Acq: 18 Nov 2023 11:58

Tgt Ion: 180	Resp:	691
Ion	Ratio	Lower Upper
180	100	
182	98.8	48.3 144.8
145	38.6	18.0 54.0





#95

Naphthalene

Concen: 0.206 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

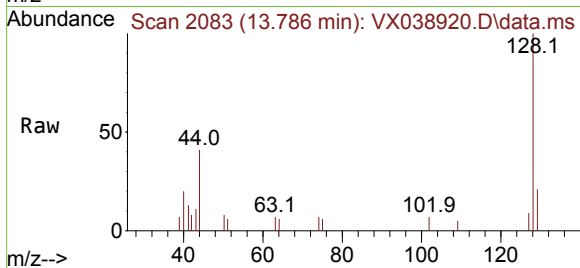
Lab File: VX038920.D

Acq: 18 Nov 2023 11:58

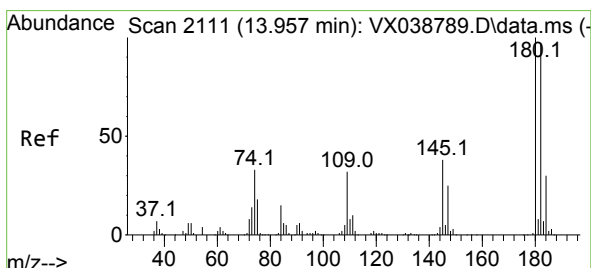
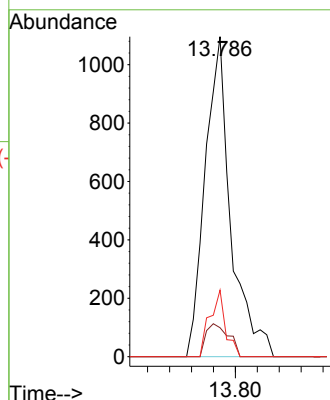
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	128	Resp:	1776
Ion Ratio	Lower	Upper	
128	100		
127	9.1	10.3	15.5#
129	12.7	8.8	13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.243 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX038920.D

Acq: 18 Nov 2023 11:58

Tgt Ion:	180	Resp:	533
Ion Ratio	Lower	Upper	
180	100		
182	92.3	46.9	140.6
145	34.1	17.8	53.5

