

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038923.D
 Acq On : 18 Nov 2023 13:12
 Operator : JC/MD
 Sample : 05404-21DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 20 04:33:46 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)

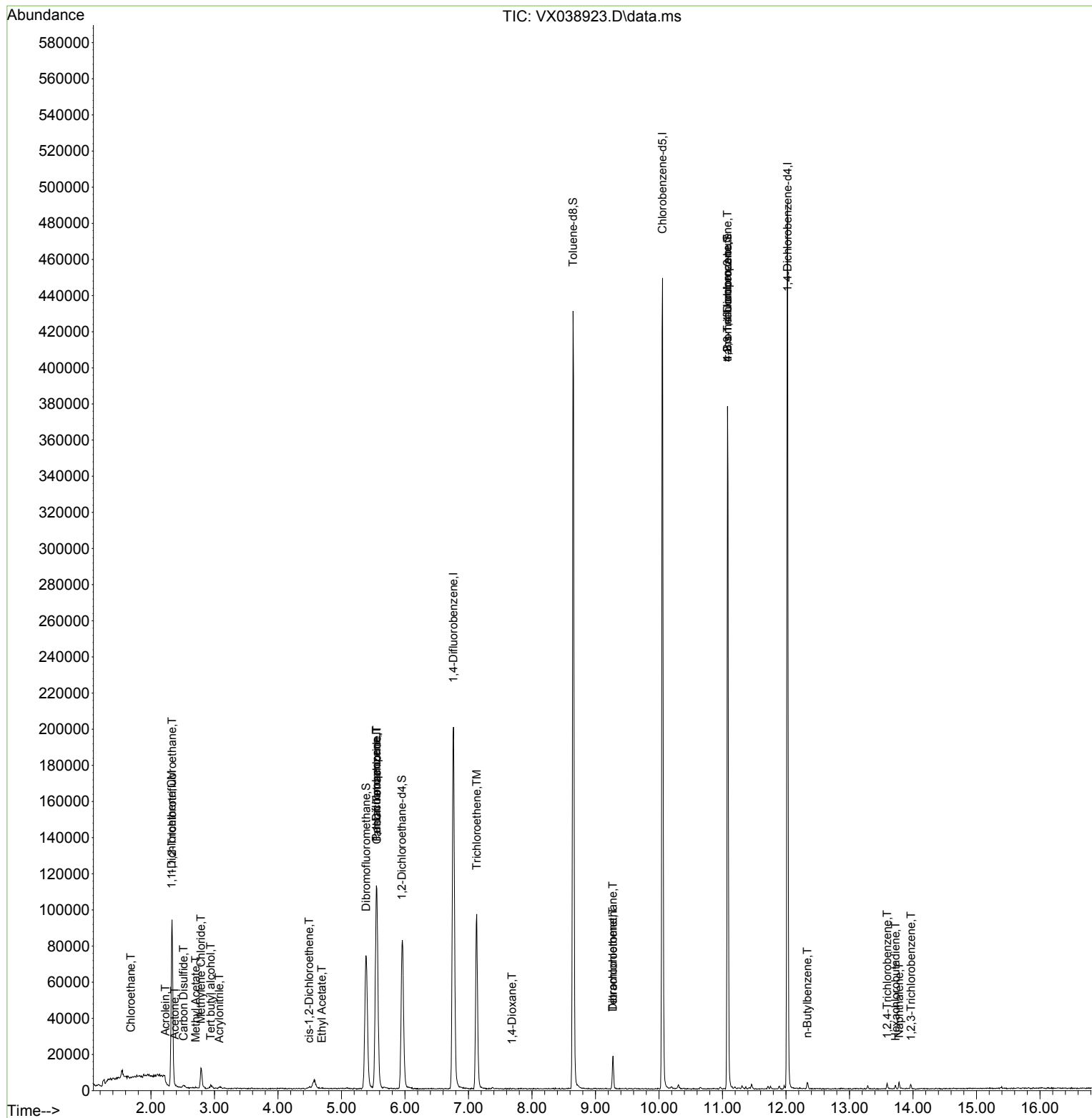
Internal Standards						
1) Pentafluorobenzene	5.550	168	102125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78396	47.640	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.280%
35) Dibromofluoromethane	5.385	113	65614	44.968	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.940%
50) Toluene-d8	8.647	98	257829	46.184	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.360%
62) 4-Bromofluorobenzene	11.079	95	107295	48.012	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.020%
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	207	0.242	ug/l #	15
9) 1,1,2-Trichlorotrifluo...	2.331	101	35610	28.245	ug/l	97
11) Tert butyl alcohol	2.941	59	1074	2.347	ug/l	98
12) 1,1-Dichloroethene	2.325	96	633	0.497	ug/l #	30
13) Acrolein	2.227	56	57	0.235	ug/l #	14
15) Acrylonitrile	3.075	53	410	0.424	ug/l #	80
16) Acetone	2.374	43	752	0.858	ug/l	95
17) Carbon Disulfide	2.514	76	1790	0.454	ug/l	97
18) Methyl Acetate	2.703	43	849	0.204	ug/l #	66
20) Methylene Chloride	2.788	84	5389	3.413	ug/l #	96
27) cis-1,2-Dichloroethene	4.489	96	716	0.437	ug/l	89
36) 1,1-Dichloropropene	5.550	75	9185	4.392	ug/l #	52
37) Ethyl Acetate	4.690	43	600	0.220	ug/l #	69
38) Carbon Tetrachloride	5.556	117	11709	6.058	ug/l #	13
44) Trichloroethene	7.129	130	34610	22.988	ug/l	89
49) 1,4-Dioxane	7.684	88	43	1.052	ug/l #	12
60) Dibromochloromethane	9.275	129	3052	1.874	ug/l #	11
64) Tetrachloroethene	9.275	164	2974	2.371	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	55578	22.771	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55578	50.509	ug/l #	5
89) n-Butylbenzene	12.335	91	1638	0.245	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	725	0.340	ug/l	95
94) Hexachlorobutadiene	13.725	225	352	0.466	ug/l	91
95) Naphthalene	13.780	128	2703	0.340	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.969	180	635	0.314	ug/l	91

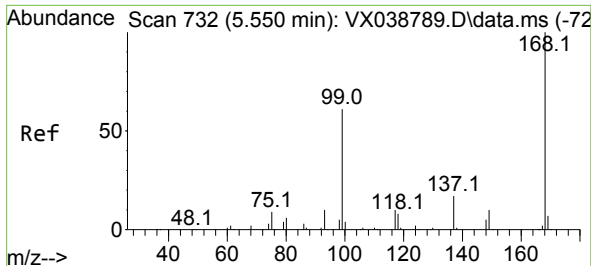
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
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MSVOA_X
ClientSampleId :

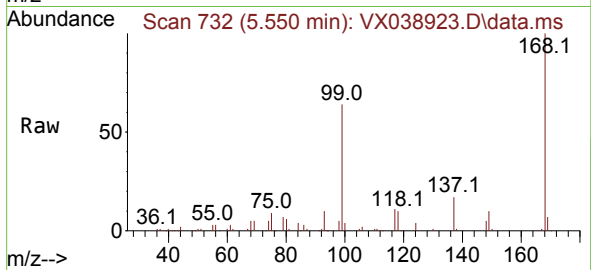
Quant Time: Nov 20 04:33:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration



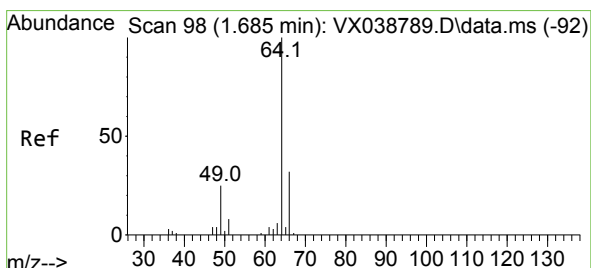
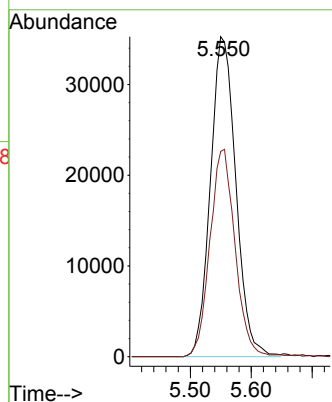
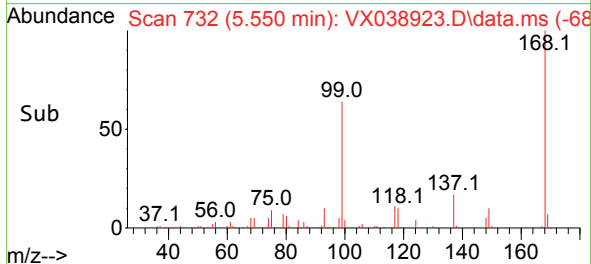


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Instrument :
MSVOA_X
ClientSampleId :

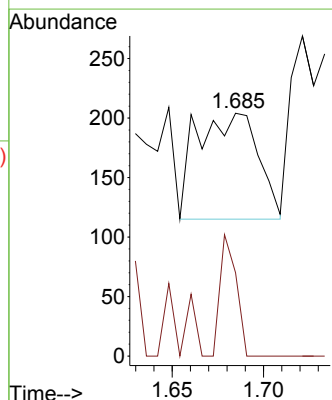
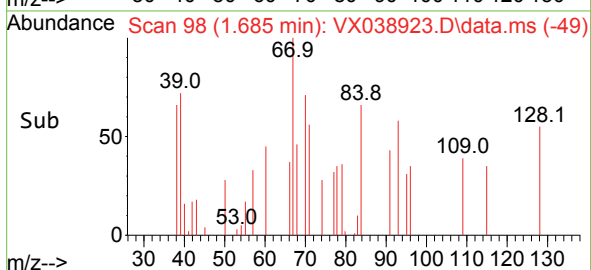
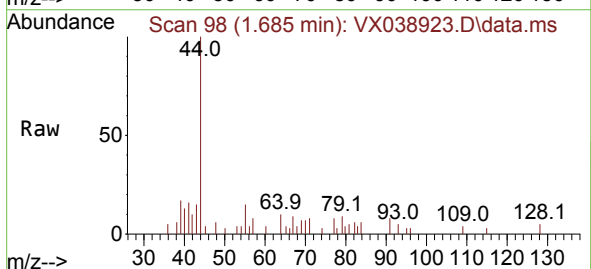


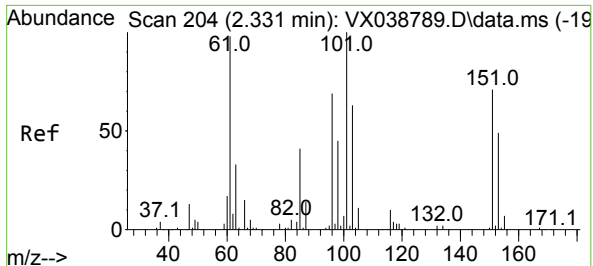
Tgt Ion:168 Resp: 102125
Ion Ratio Lower Upper
168 100
99 64.1 56.6 85.0



#6
Chloroethane
Concen: 0.242 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Tgt Ion: 64 Resp: 207
Ion Ratio Lower Upper
64 100
66 78.7 25.1 37.7#

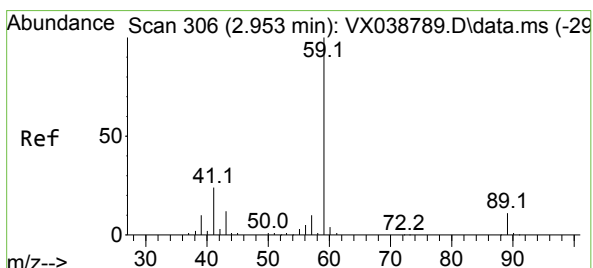
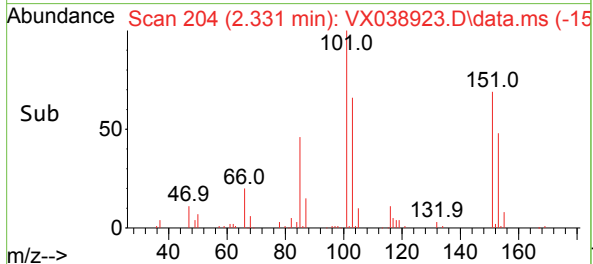
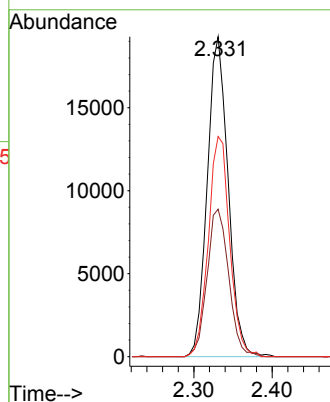
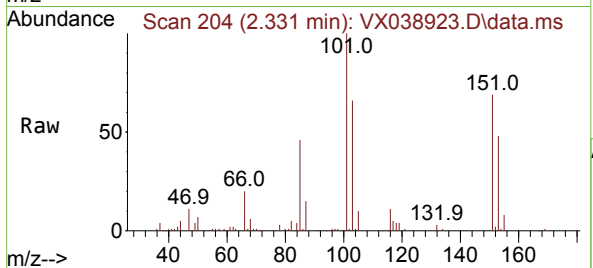




#9
1,1,2-Trichlorotrifluoroethane
Concen: 28.245 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

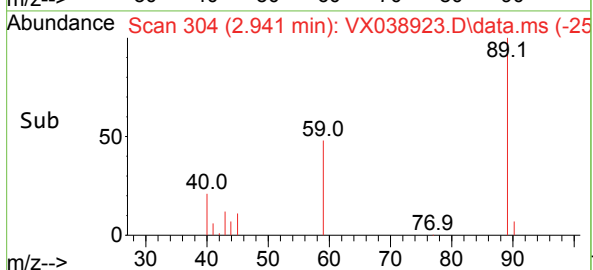
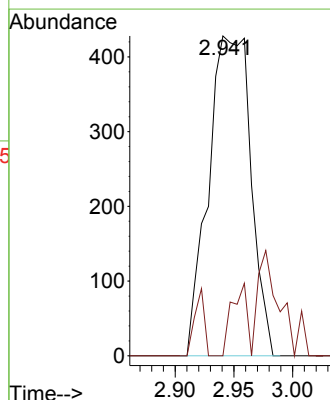
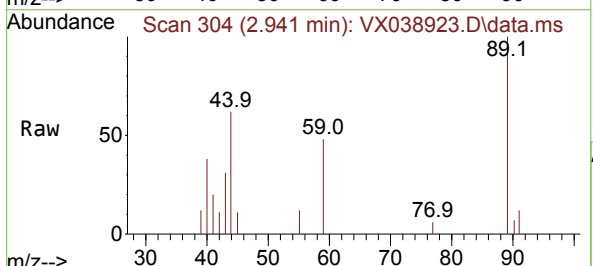
Instrument :
MSVOA_X
ClientSampleId :

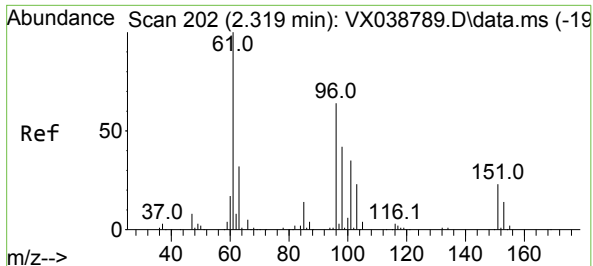
Tgt Ion:101 Resp: 35610
Ion Ratio Lower Upper
101 100
85 48.1 37.0 55.6
151 70.4 58.6 87.8



#11
Tert butyl alcohol
Concen: 2.347 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Tgt Ion: 59 Resp: 1074
Ion Ratio Lower Upper
59 100
57 8.1 6.0 9.0





#12

1,1-Dichloroethene

Concen: 0.497 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038923.D

Acq: 18 Nov 2023 13:12

Instrument :

MSVOA_X

ClientSampleId :

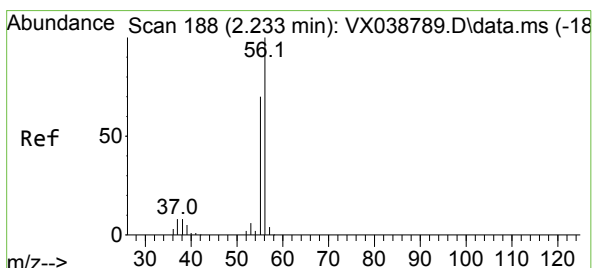
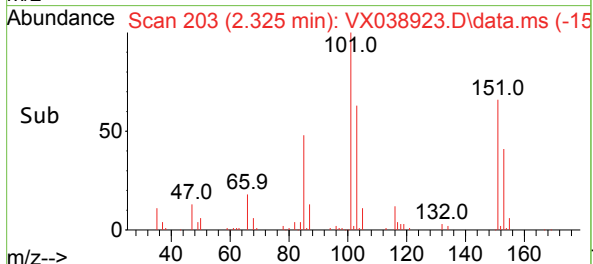
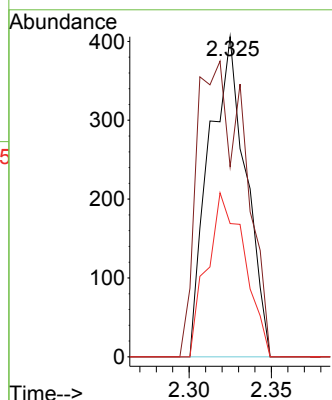
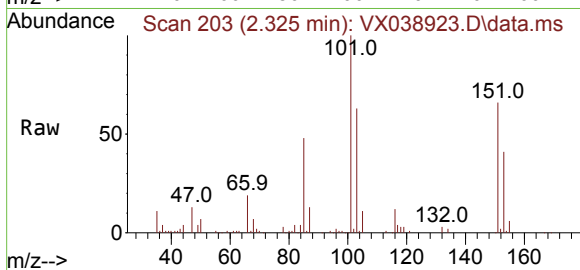
Tgt Ion: 96 Resp: 633

Ion Ratio Lower Upper

96 100

61 59.4 144.6 216.8#

98 41.6 50.4 75.6#



#13

Acrolein

Concen: 0.235 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX038923.D

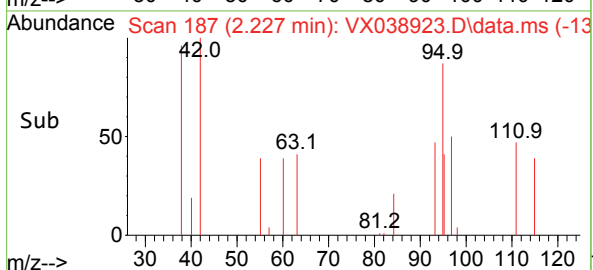
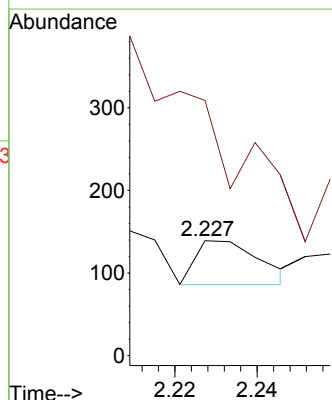
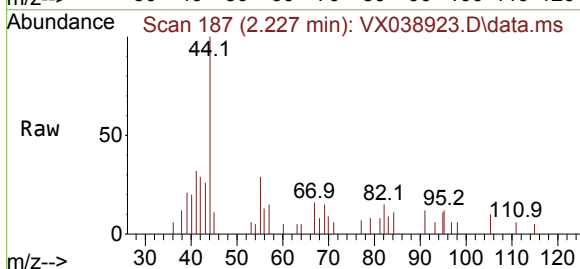
Acq: 18 Nov 2023 13:12

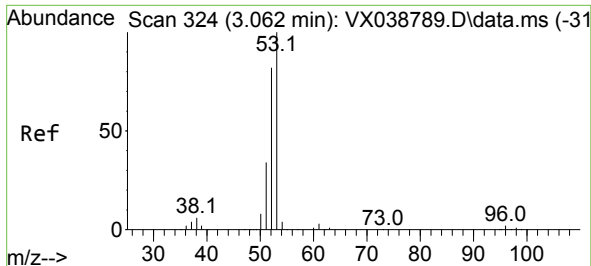
Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

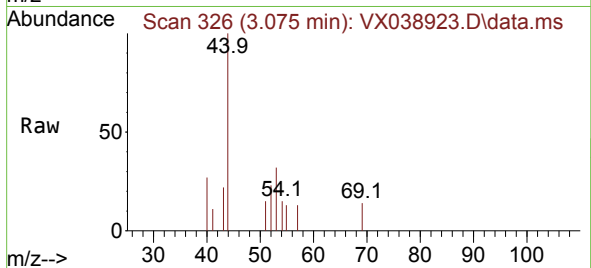
55 0.0 57.1 85.7#



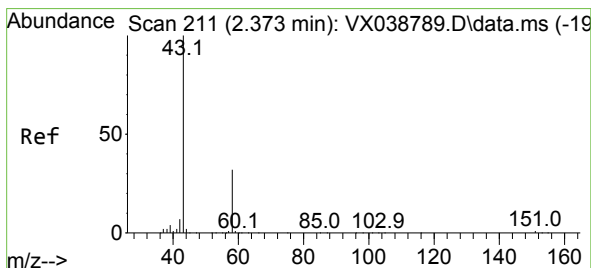
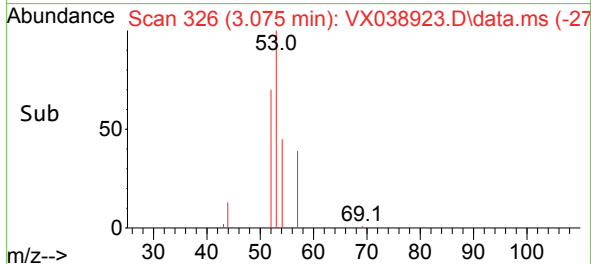
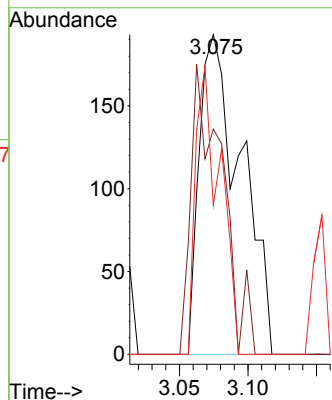


#15
Acrylonitrile
Concen: 0.424 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Instrument :
MSVOA_X
ClientSampleId :

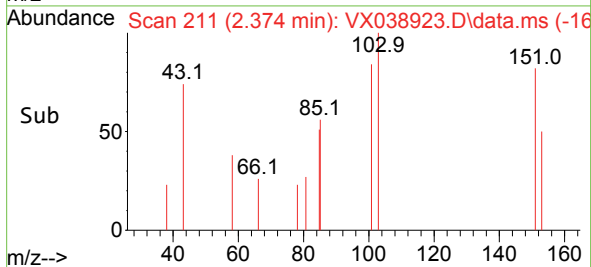
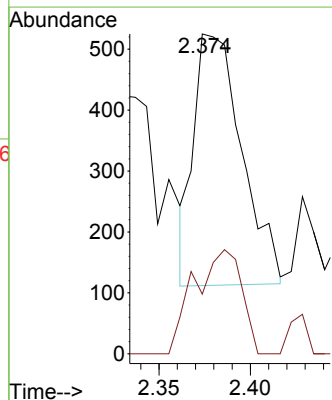
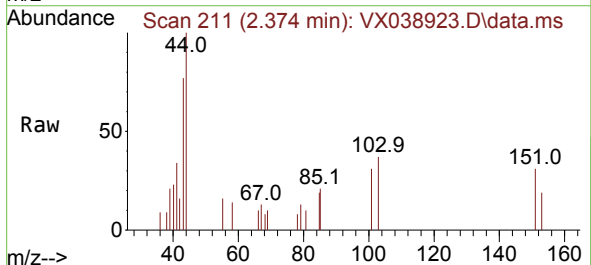


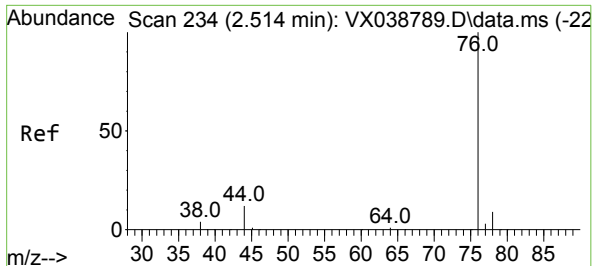
Tgt Ion: 53 Resp: 410
Ion Ratio Lower Upper
53 100
52 67.6 66.0 99.0
51 52.9 29.8 44.6#



#16
Acetone
Concen: 0.858 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

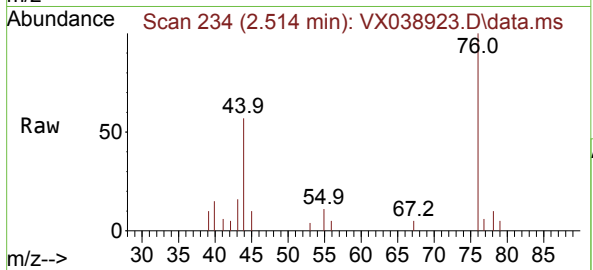
Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
58 24.6 21.9 32.9



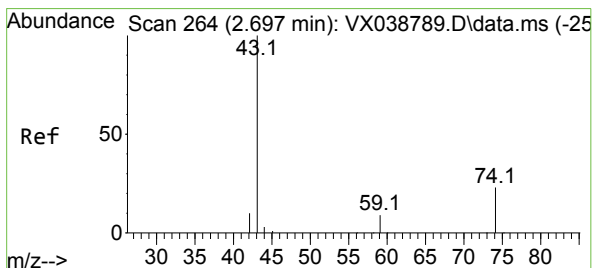
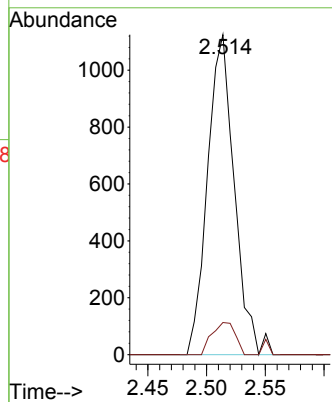
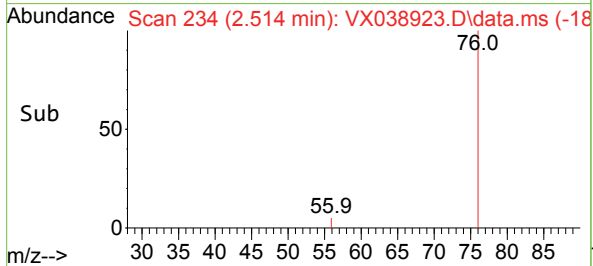


#17
Carbon Disulfide
Concen: 0.454 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Instrument :
MSVOA_X
ClientSampleId :

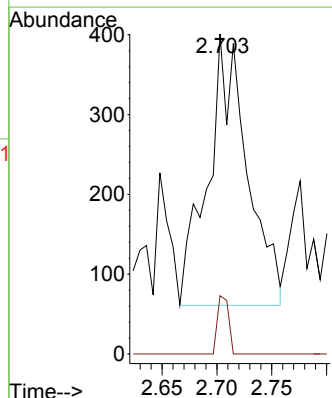
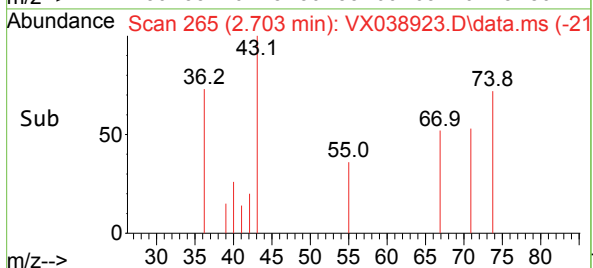
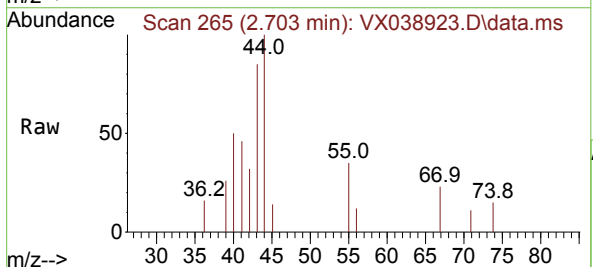


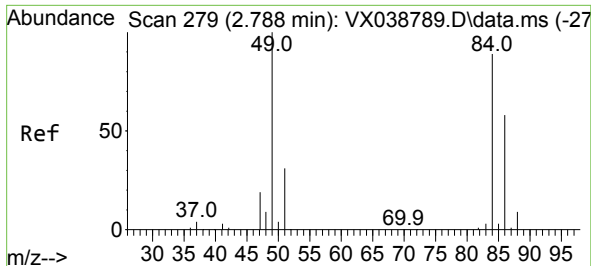
Tgt Ion: 76 Resp: 1790
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.6



#18
Methyl Acetate
Concen: 0.204 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

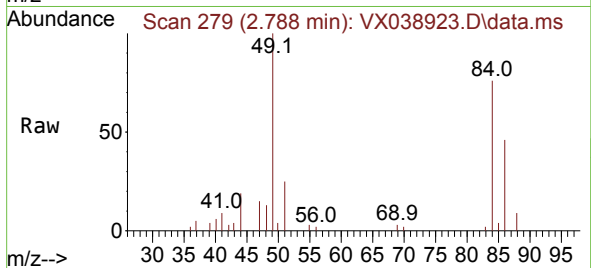
Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
74 6.0 17.8 26.8#





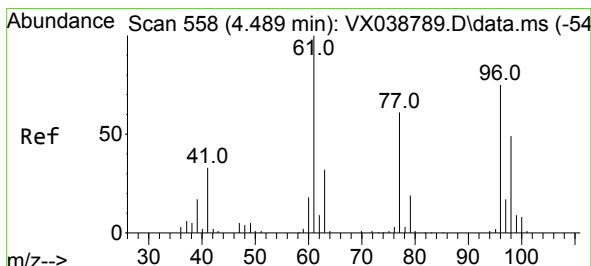
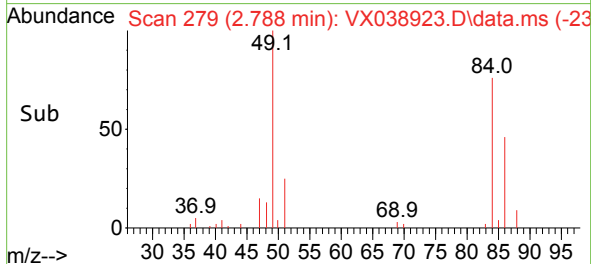
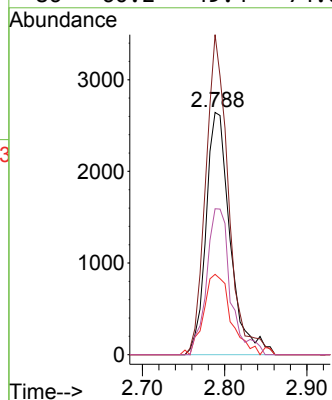
#20
Methylene Chloride
Concen: 3.413 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 5389

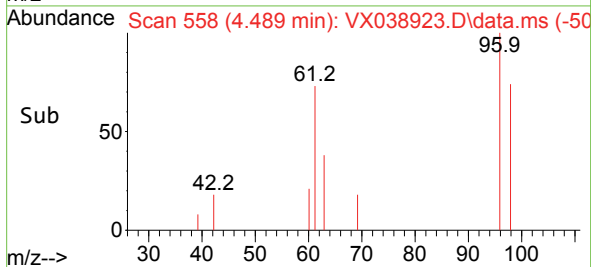
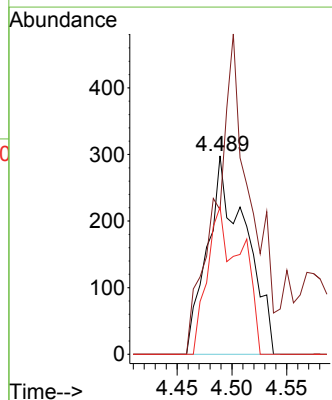
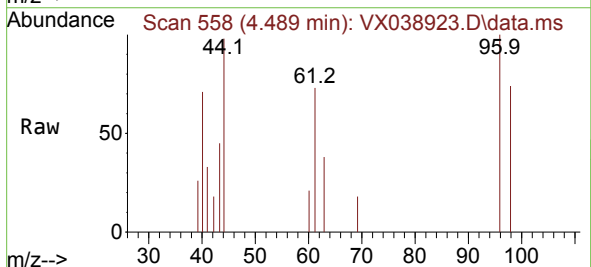
Ion	Ratio	Lower	Upper
84	100		
49	132.1	103.6	155.4
51	33.2	33.8	50.6#
86	60.2	49.4	74.0

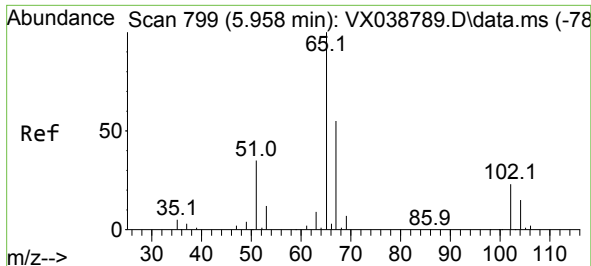


#27
cis-1,2-Dichloroethene
Concen: 0.437 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Tgt Ion: 96 Resp: 716

Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	312.2
98	45.3	0.0	129.0





#33

1,2-Dichloroethane-d4

Concen: 47.640 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038923.D

Acq: 18 Nov 2023 13:12

Instrument :

MSVOA_X

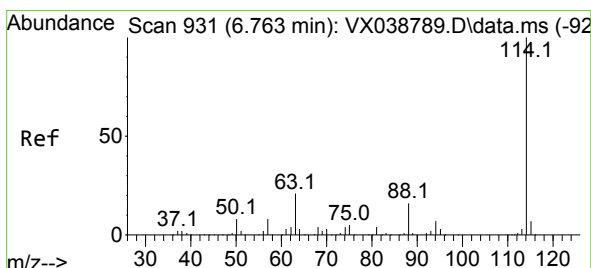
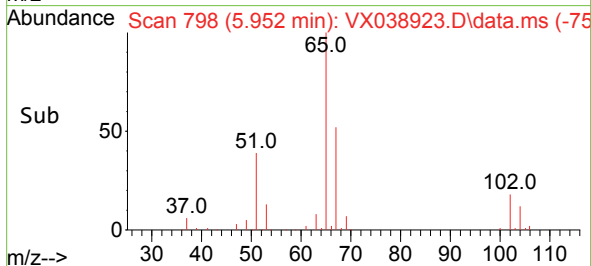
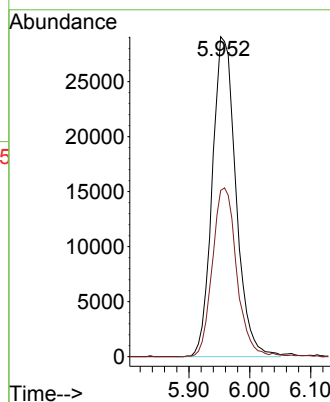
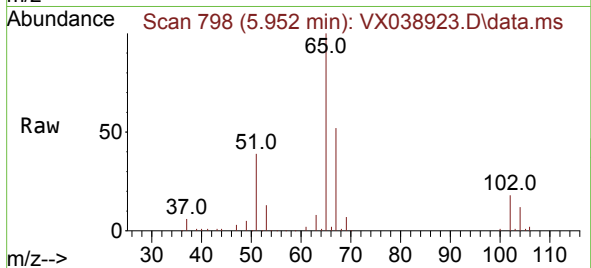
ClientSampleId :

Tgt Ion: 65 Resp: 78396

Ion Ratio Lower Upper

65 100

67 54.3 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: VX038923.D

Acq: 18 Nov 2023 13:12

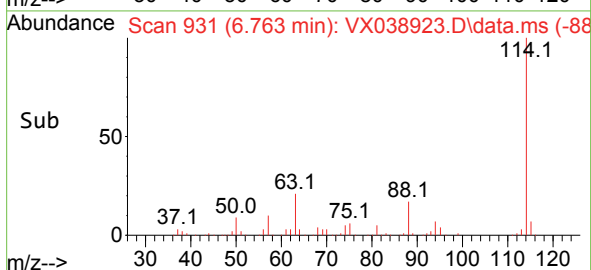
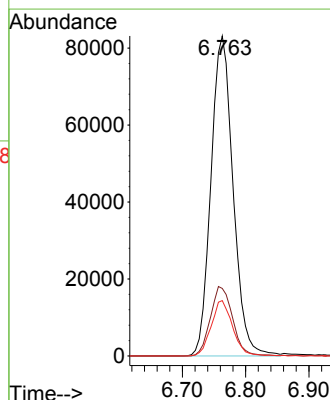
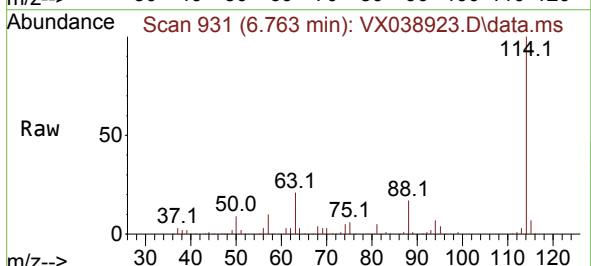
Tgt Ion: 114 Resp: 202031

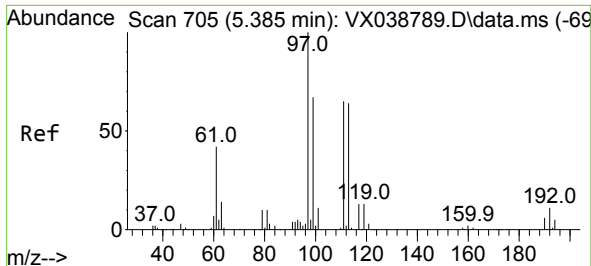
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.0

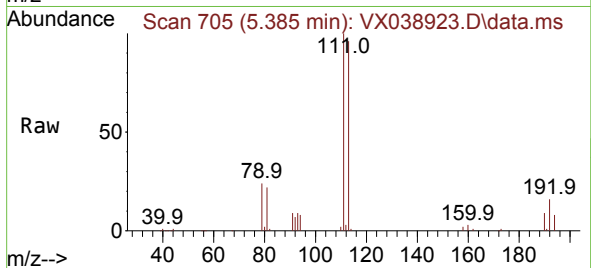
88 17.3 0.0 36.6



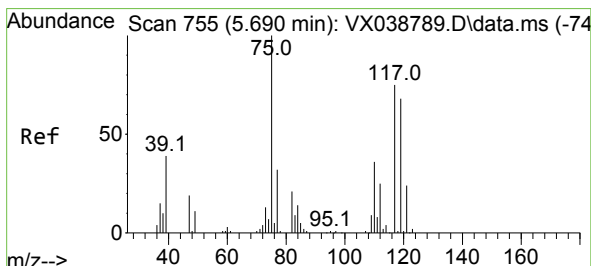
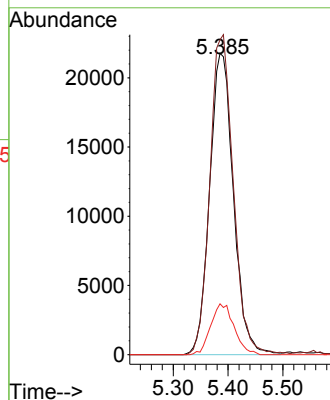
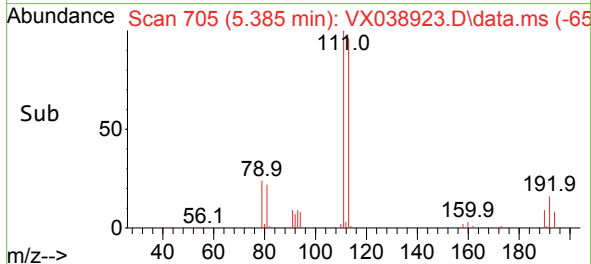


#35
Dibromofluoromethane
Concen: 44.968 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Instrument :
MSVOA_X
ClientSampleId :

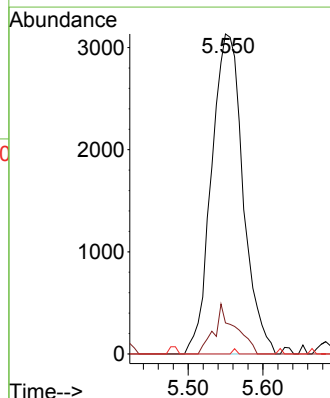
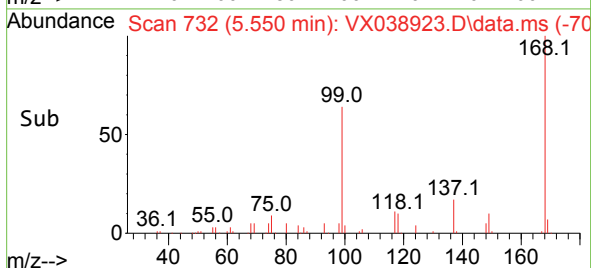
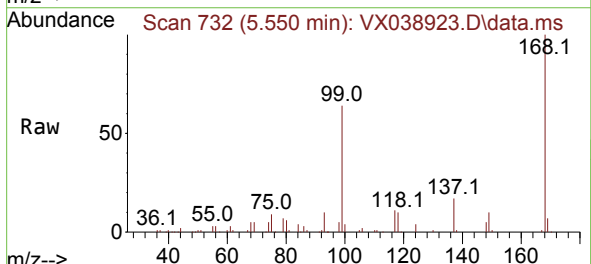


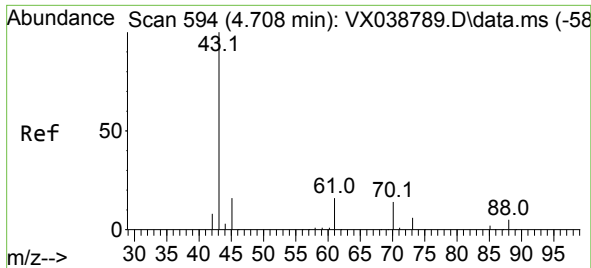
Tgt Ion:113 Resp: 65614
Ion Ratio Lower Upper
113 100
111 104.6 82.9 124.3
192 16.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.392 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Tgt Ion: 75 Resp: 9185
Ion Ratio Lower Upper
75 100
110 10.5 17.0 50.9#
77 0.2 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.220 ug/l

RT: 4.690 min Scan# 594

Delta R.T. -0.018 min

Lab File: VX038923.D

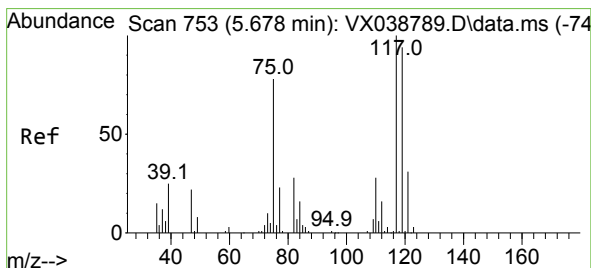
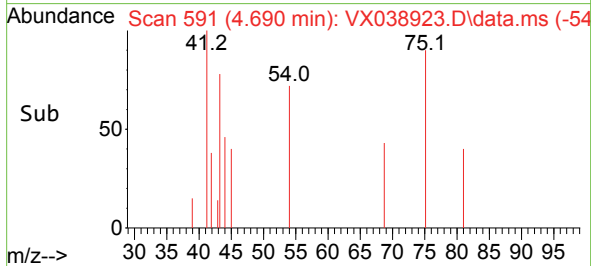
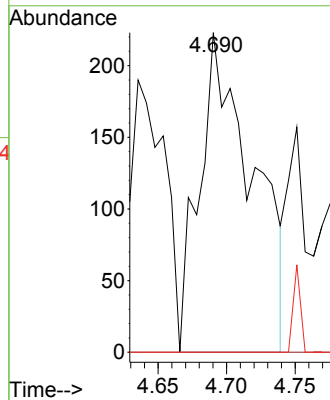
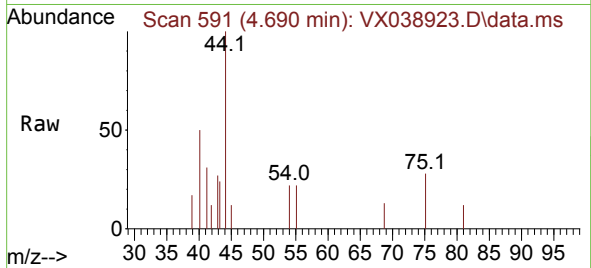
Acq: 18 Nov 2023 13:12

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43	Resp: 600
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.058 ug/l

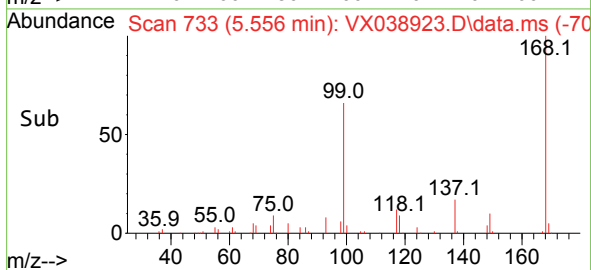
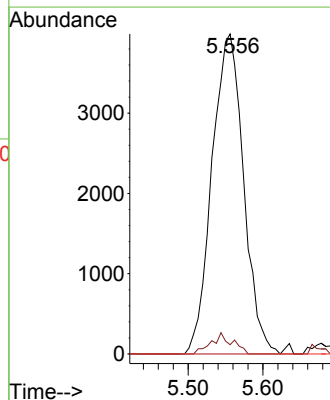
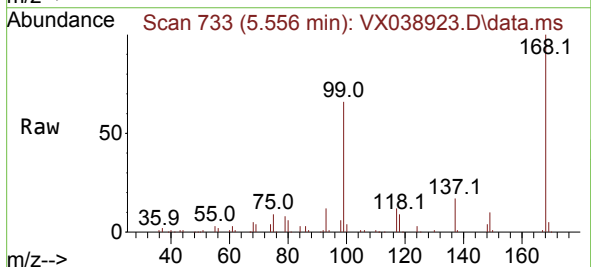
RT: 5.556 min Scan# 733

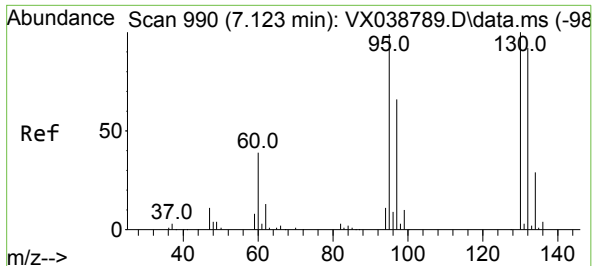
Delta R.T. -0.122 min

Lab File: VX038923.D

Acq: 18 Nov 2023 13:12

Tgt Ion: 117	Resp: 11709
Ion Ratio	Lower Upper
117	100
119	2.9 78.2 117.2#
121	0.0 24.4 36.6#

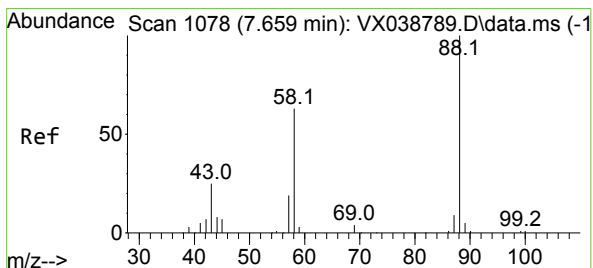
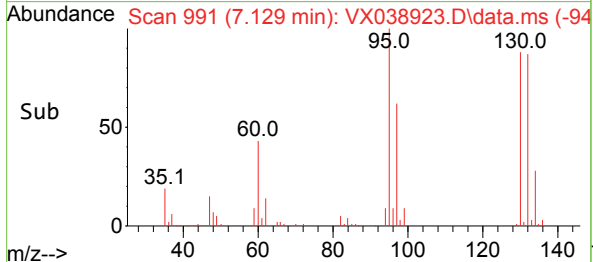
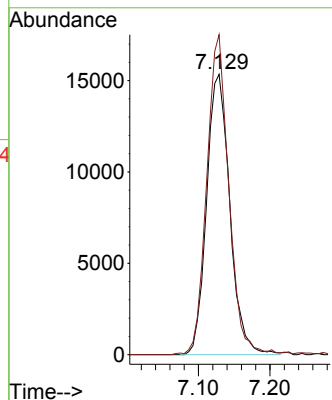
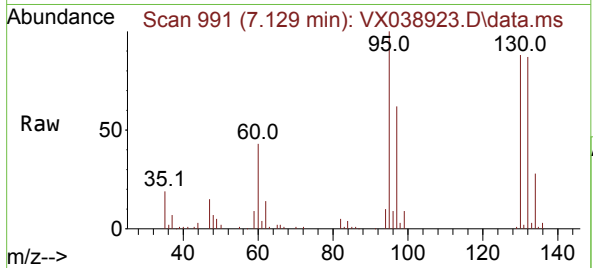




#44
Trichloroethene
Concen: 22.988 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

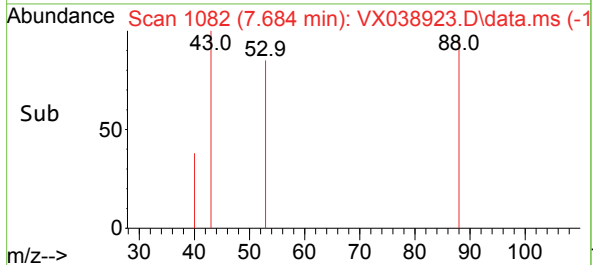
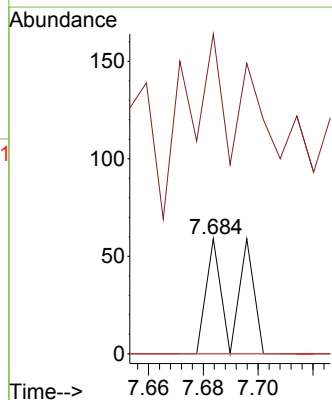
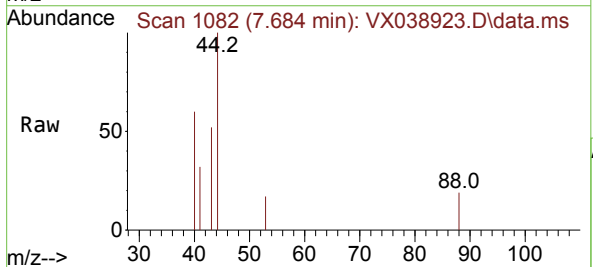
Instrument :
MSVOA_X
ClientSampleId :

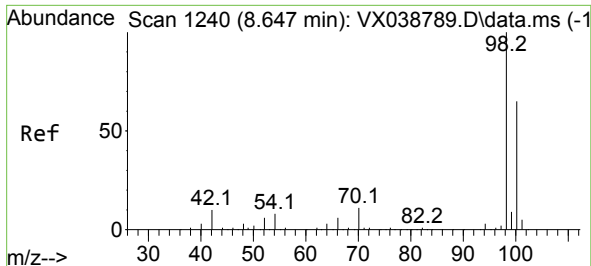
Tgt Ion:130 Resp: 34610
Ion Ratio Lower Upper
130 100
95 113.6 0.0 204.4



#49
1,4-Dioxane
Concen: 1.052 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 207.0 0.0 0.0#
58 0.0 60.1 90.1#

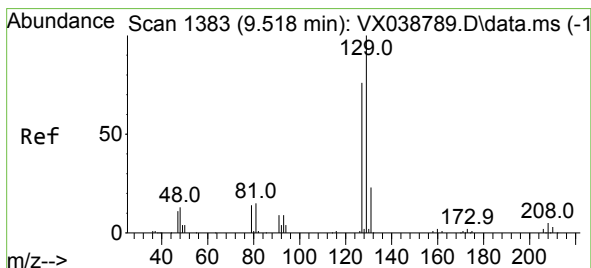
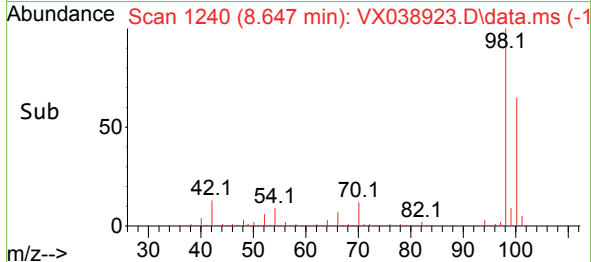
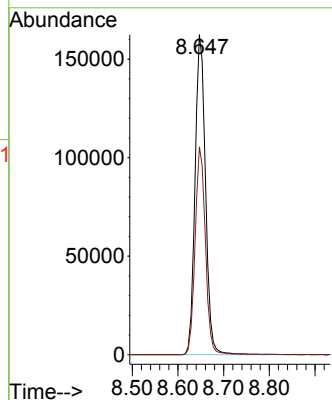
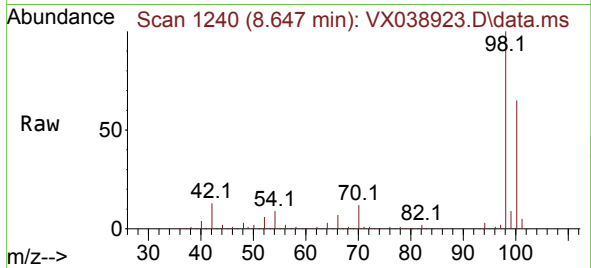




#50
Toluene-d8
Concen: 46.184 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

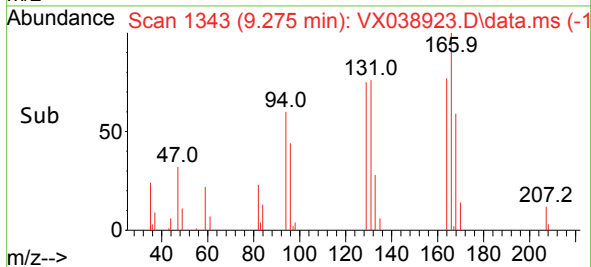
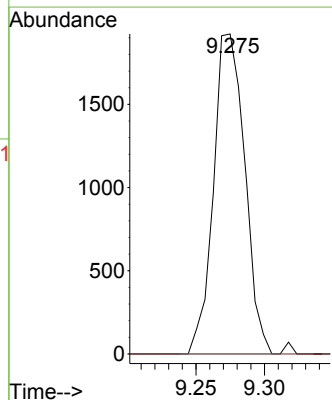
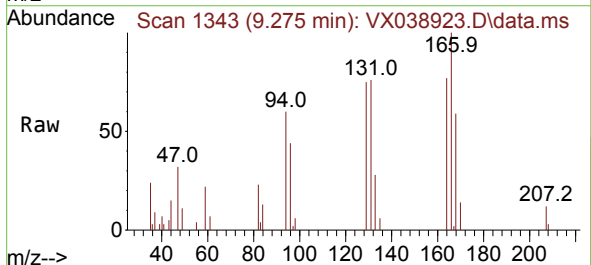
Instrument :
MSVOA_X
ClientSampleId :

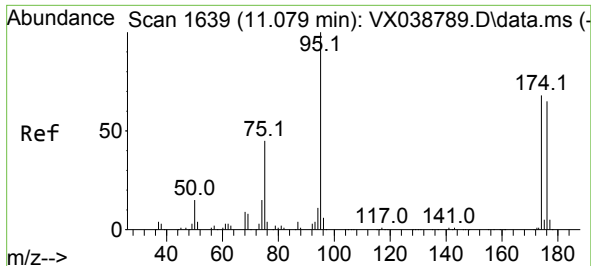
Tgt Ion: 98 Resp: 257829
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#60
Dibromochloromethane
Concen: 1.874 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Tgt Ion:129 Resp: 3052
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

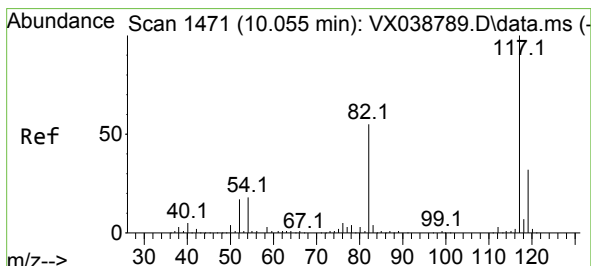
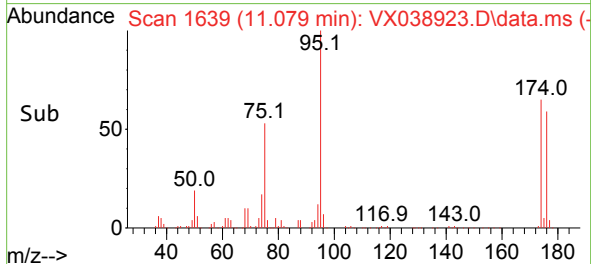
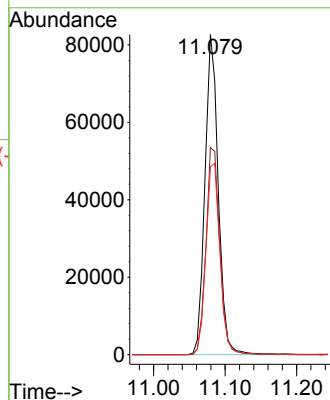
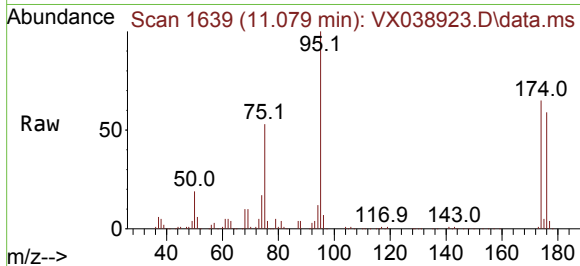




#62
4-Bromofluorobenzene
Concen: 48.012 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

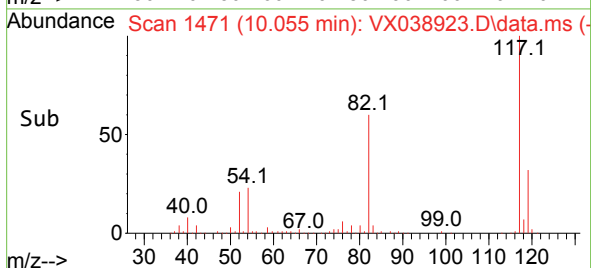
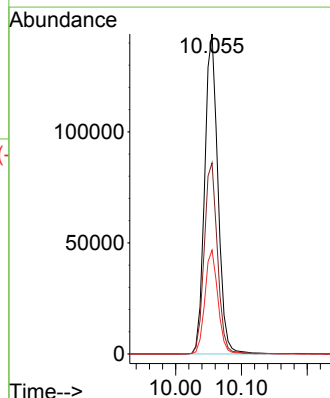
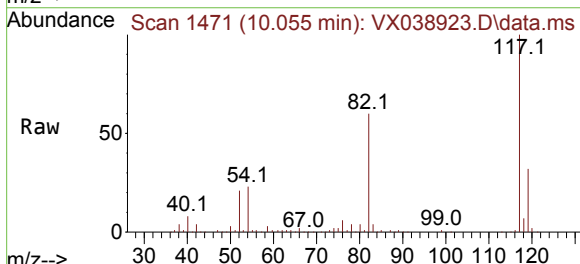
Instrument :
MSVOA_X
ClientSampleId :

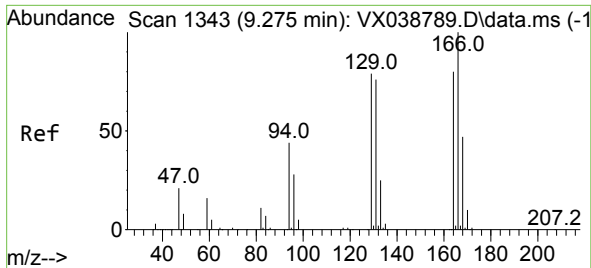
Tgt Ion: 95 Resp: 107295
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.6
176 62.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

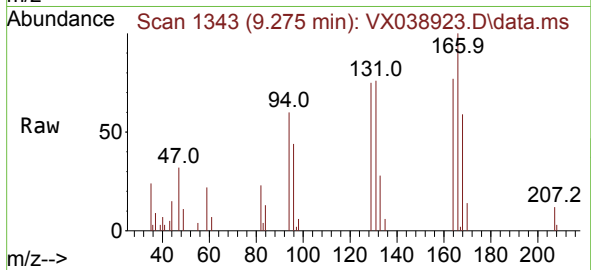
Tgt Ion: 117 Resp: 201777
Ion Ratio Lower Upper
117 100
82 59.7 46.2 69.4
119 32.4 25.5 38.3



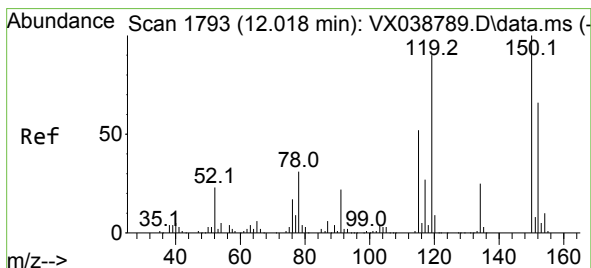
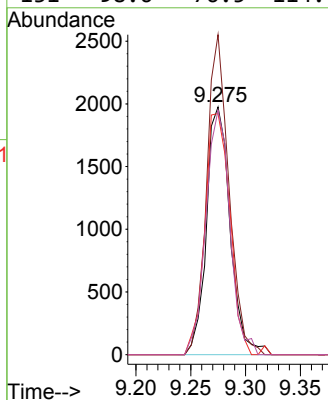
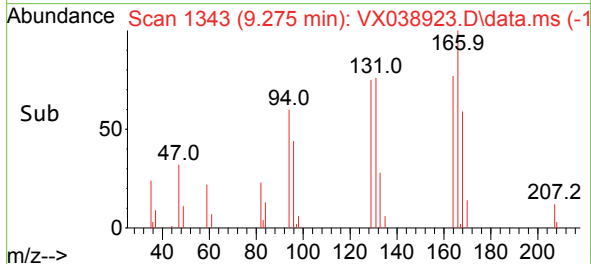


#64
Tetrachloroethene
Concen: 2.371 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

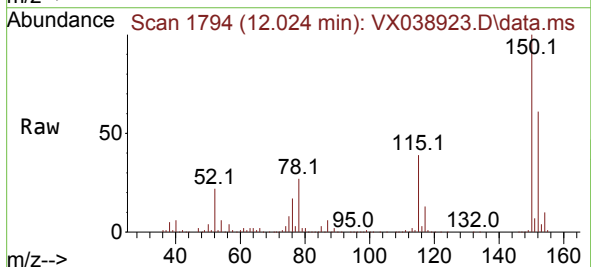
Instrument :
MSVOA_X
ClientSampleId :



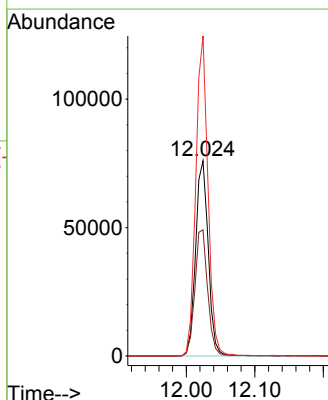
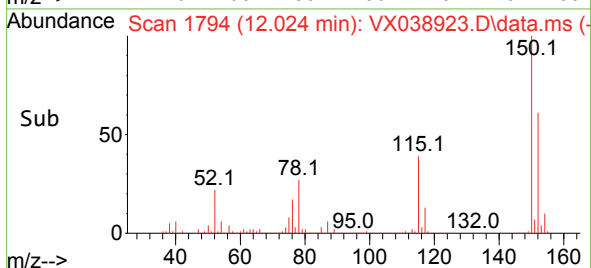
Tgt Ion:164	Resp:	2974	
Ion	Ratio	Lower	Upper
164	100		
166	129.2	102.7	154.1
129	97.4	80.4	120.6
131	98.6	76.5	114.7

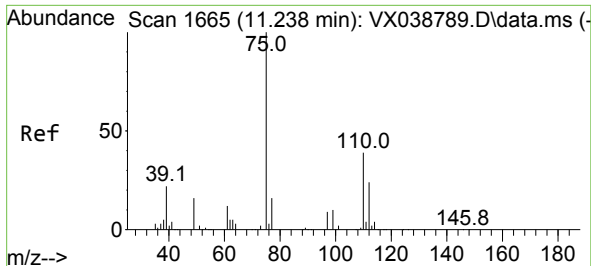


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12



Tgt Ion:152	Resp:	97825	
Ion	Ratio	Lower	Upper
152	100		
115	65.6	43.3	129.9
150	158.0	0.0	345.0

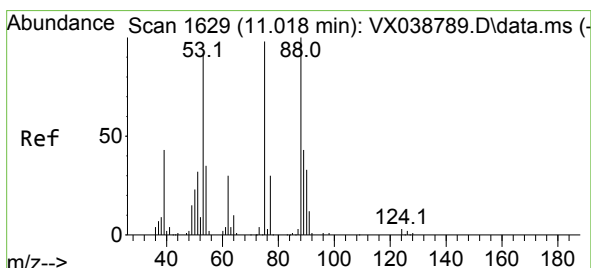
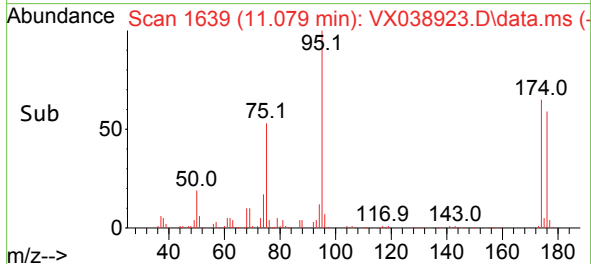
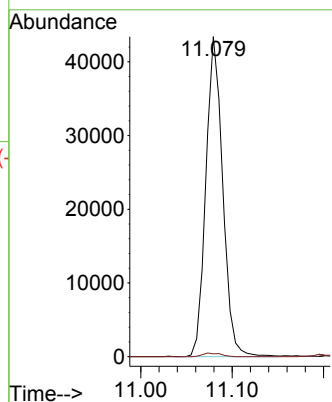
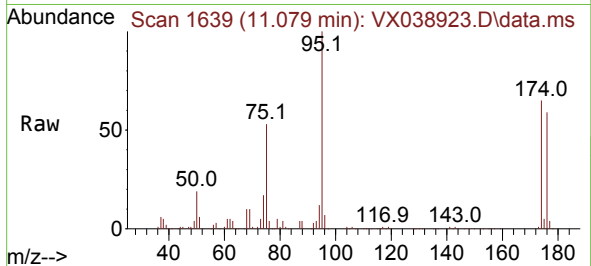




#76
1,2,3-Trichloropropane
Concen: 22.771 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

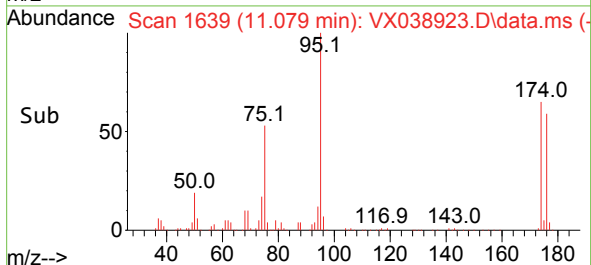
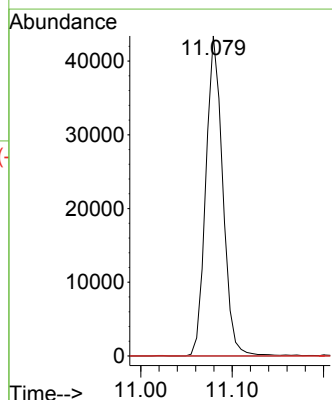
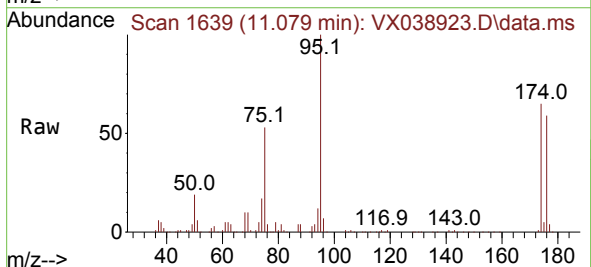
Instrument :
MSVOA_X
ClientSampleId :

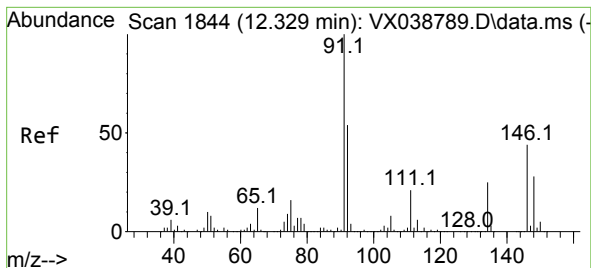
Tgt Ion: 75 Resp: 55578
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038923.D
Acq: 18 Nov 2023 13:12

Tgt Ion: 75 Resp: 55578
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.245 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX038923.D

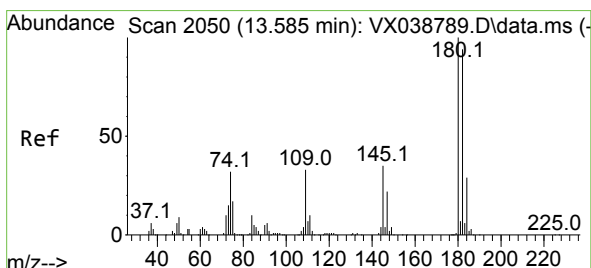
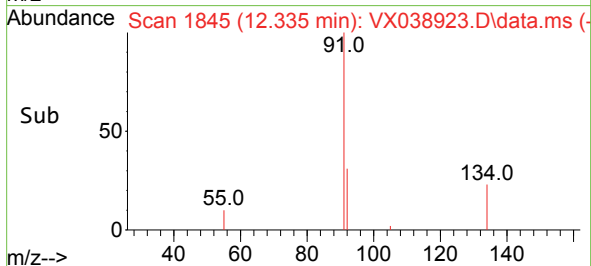
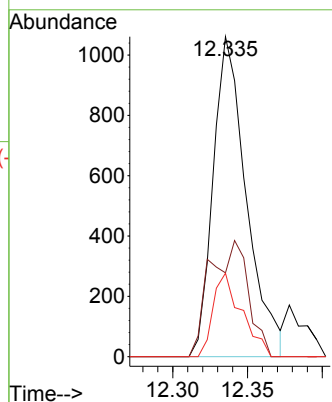
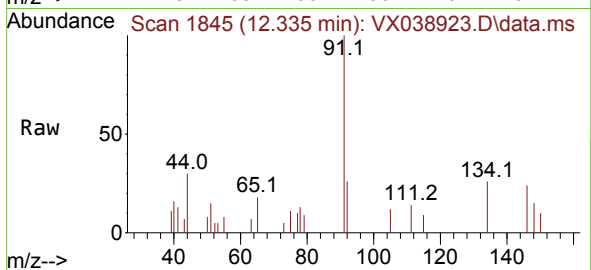
Acq: 18 Nov 2023 13:12

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp:	1638
Ion	Ratio	Lower Upper
91	100	
92	41.9	27.4 82.0
134	22.4	12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.340 ug/l

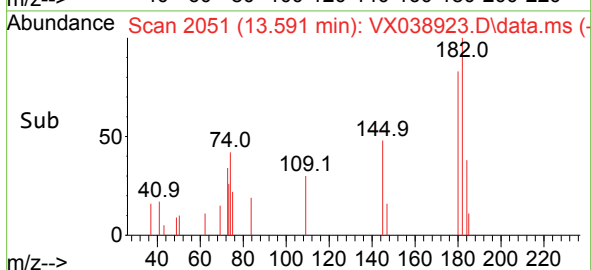
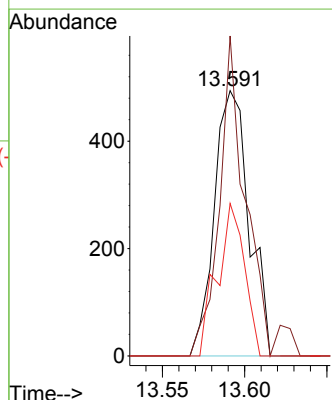
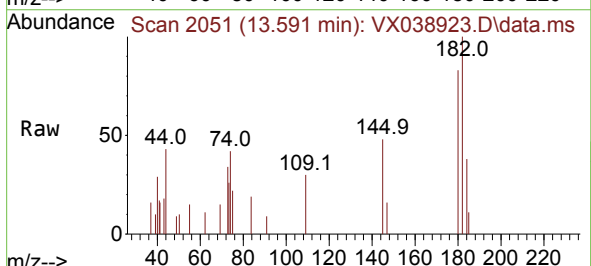
RT: 13.591 min Scan# 2051

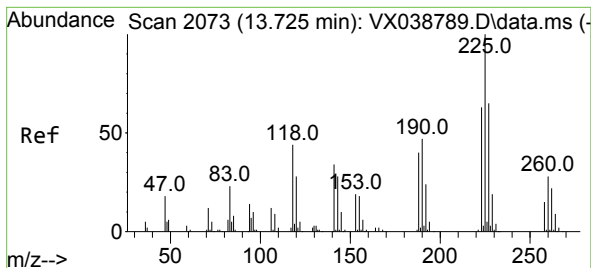
Delta R.T. 0.006 min

Lab File: VX038923.D

Acq: 18 Nov 2023 13:12

Tgt Ion: 180	Resp:	725
Ion	Ratio	Lower Upper
180	100	
182	94.8	48.3 144.8
145	45.1	18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.466 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX038923.D

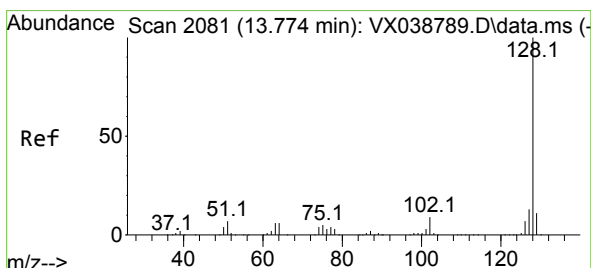
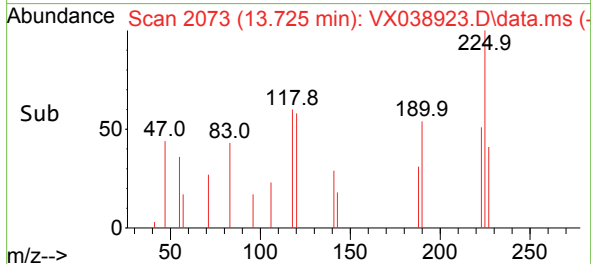
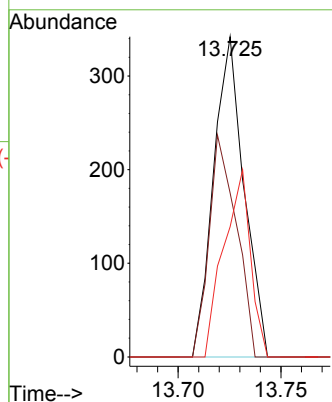
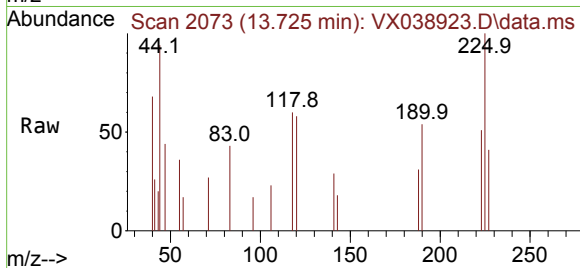
Acq: 18 Nov 2023 13:12

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:225	Resp:	352
Ion Ratio	Lower	Upper
225	100	
223	62.2	31.1 93.2
227	51.4	32.5 97.5



#95

Naphthalene

Concen: 0.340 ug/l

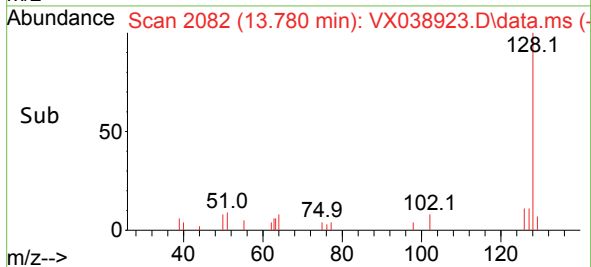
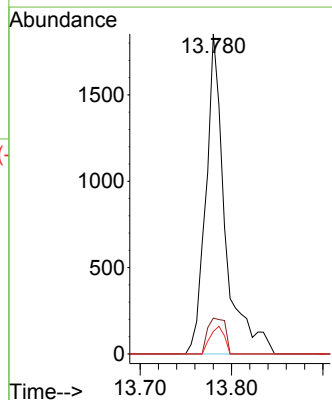
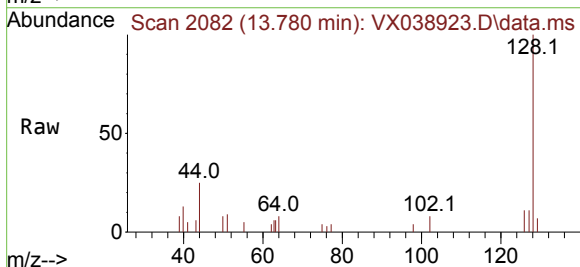
RT: 13.780 min Scan# 2082

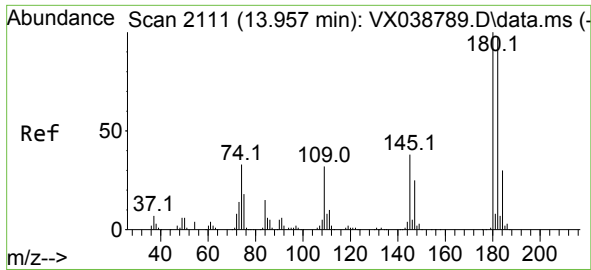
Delta R.T. 0.006 min

Lab File: VX038923.D

Acq: 18 Nov 2023 13:12

Tgt Ion:128	Resp:	2703
Ion Ratio	Lower	Upper
128	100	
127	10.2	10.3 15.5#
129	6.3	8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.314 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.012 min

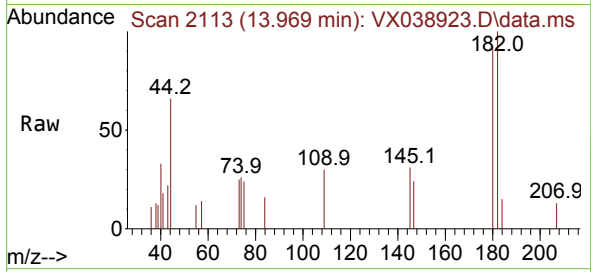
Lab File: VX038923.D

Acq: 18 Nov 2023 13:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 635

Ion Ratio Lower Upper

180 100

182 104.1 46.9 140.6

145 37.8 17.8 53.5

