

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038909.D
 Acq On : 18 Nov 2023 05:07
 Operator : JC/MD
 Sample : 05404-25
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20231109

Quant Time: Nov 20 00:32:57 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

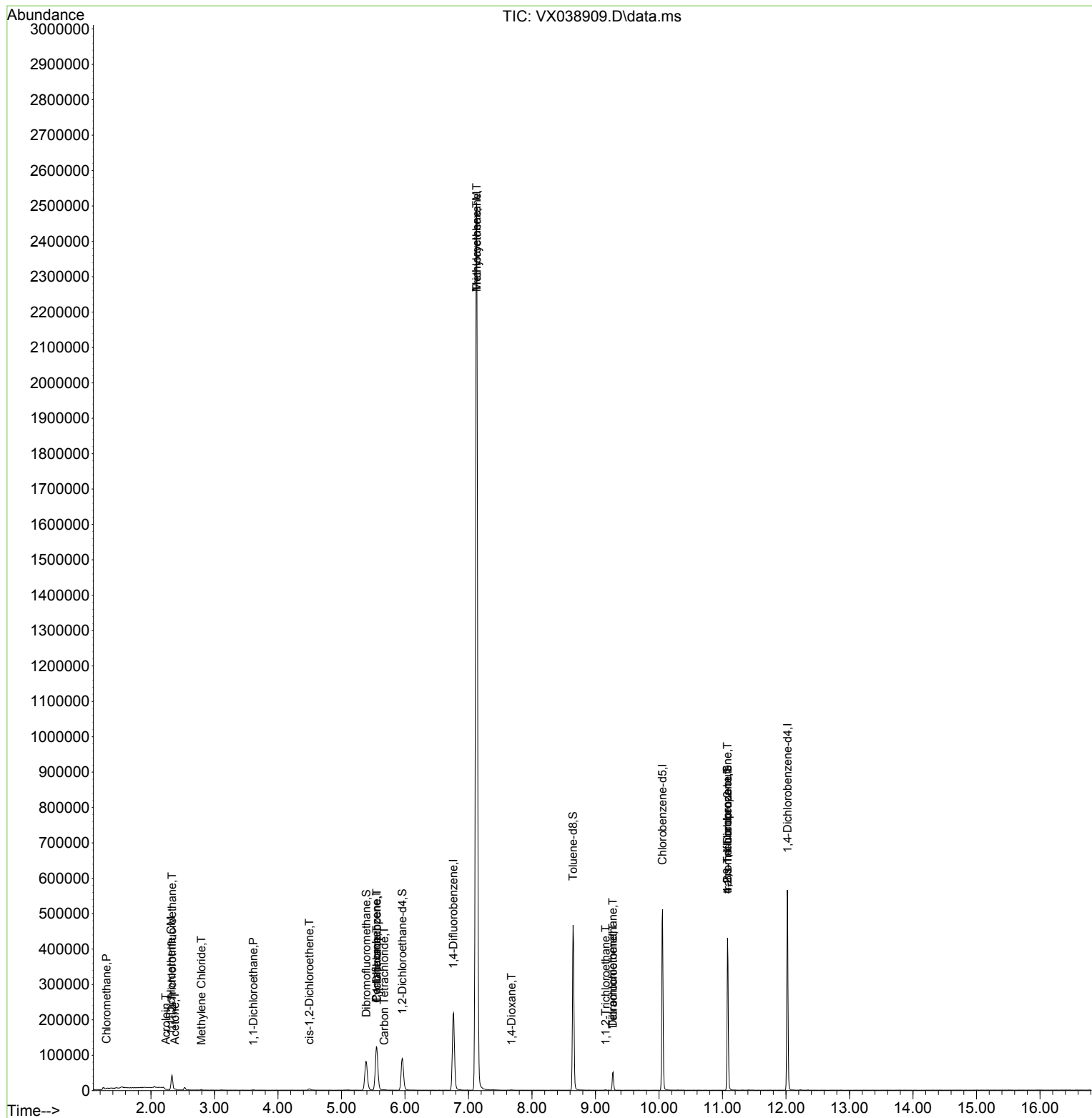
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	109530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85378	48.375	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.760%
35) Dibromofluoromethane	5.391	113	72396	44.601	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.200%
50) Toluene-d8	8.647	98	283341	45.623	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.240%#
62) 4-Bromofluorobenzene	11.079	95	119622	48.117	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	869	0.521	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	14837	10.973	ug/l	95
12) 1,1-Dichloroethene	2.319	96	1858	1.361	ug/l #	71
13) Acrolein	2.233	56	157	0.605	ug/l #	70
16) Acetone	2.380	43	2736	2.912	ug/l #	86
20) Methylene Chloride	2.794	84	752	0.444	ug/l #	78
24) 1,1-Dichloroethane	3.611	63	1096	0.391	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	2777	1.582	ug/l	79
31) Cyclohexane	5.556	56	3372	1.338	ug/l #	27
36) 1,1-Dichloropropene	5.556	75	10290	4.423	ug/l #	50
38) Carbon Tetrachloride	5.672	117	459	0.213	ug/l #	94
39) Methylcyclohexane	7.129	83	12305	4.055	ug/l #	1
44) Trichloroethene	7.129	130	945054	564.260	ug/l	94
49) 1,4-Dioxane	7.678	88	867	19.068	ug/l #	44
55) 1,1,2-Trichloroethane	9.159	97	535	0.300	ug/l	89
60) Dibromochloromethane	9.275	129	9281	5.123	ug/l #	11
64) Tetrachloroethene	9.275	164	8711	6.127	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	62722	22.287	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62722	49.435	ug/l #	5

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

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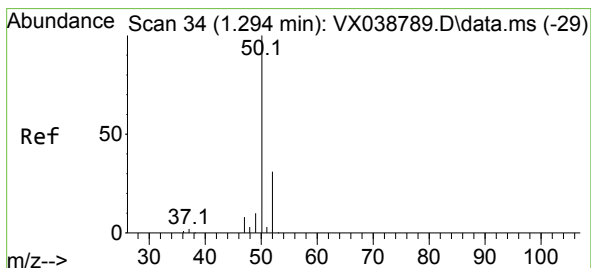
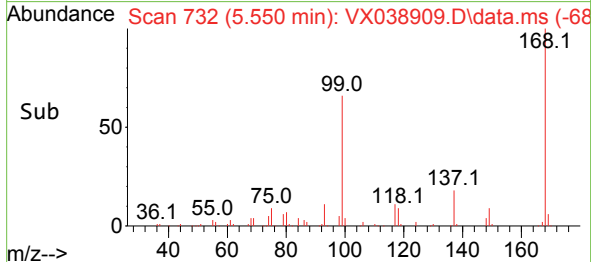
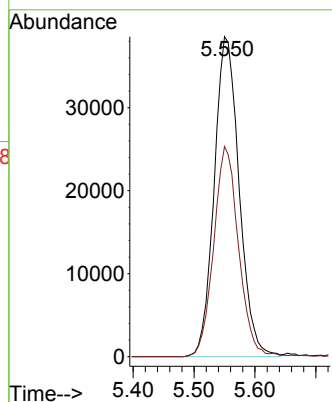
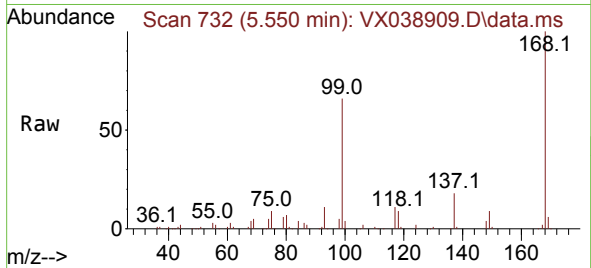




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

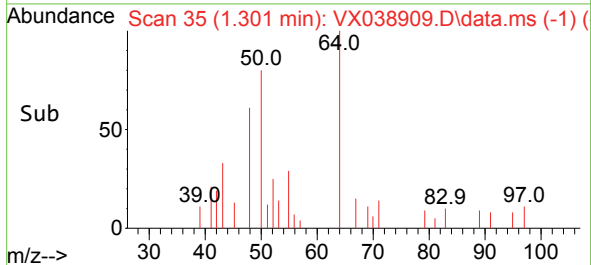
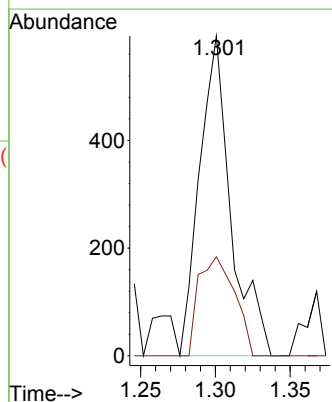
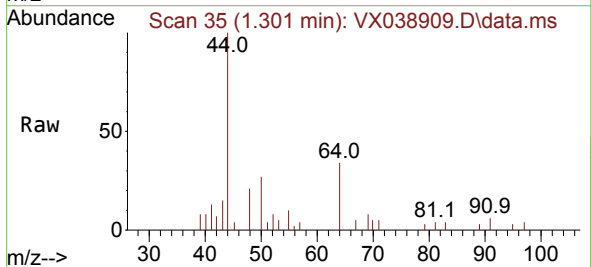
Instrument :
MSVOA_X
ClientSampleId :
RW4-20231109

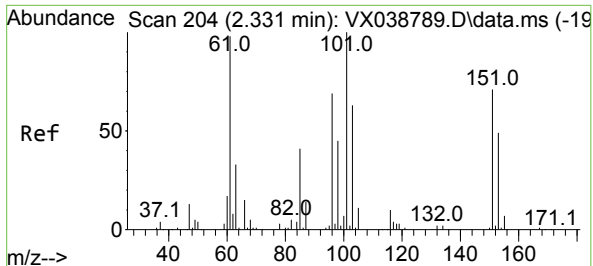
Tgt Ion:168 Resp: 109530
Ion Ratio Lower Upper
168 100
99 65.7 56.6 85.0



#3
Chloromethane
Concen: 0.521 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

Tgt Ion: 50 Resp: 869
Ion Ratio Lower Upper
50 100
52 31.0 25.5 38.3

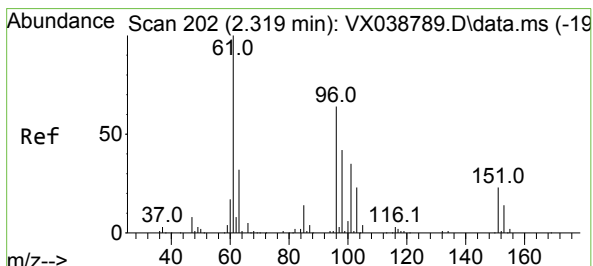
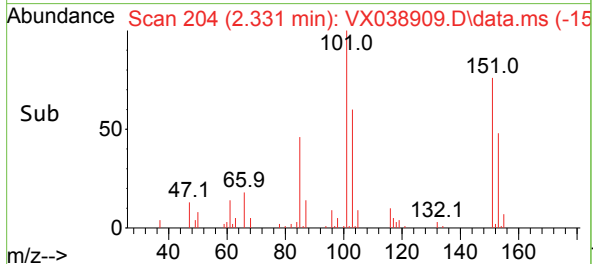
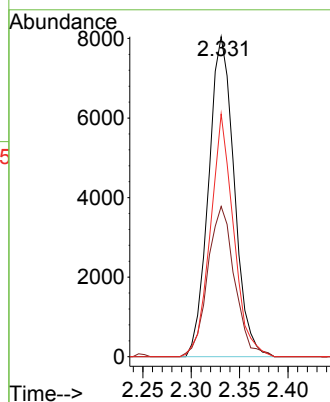
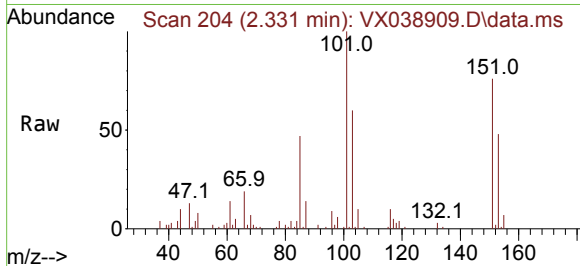




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.973 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX038909.D
 Acq: 18 Nov 2023 05:07

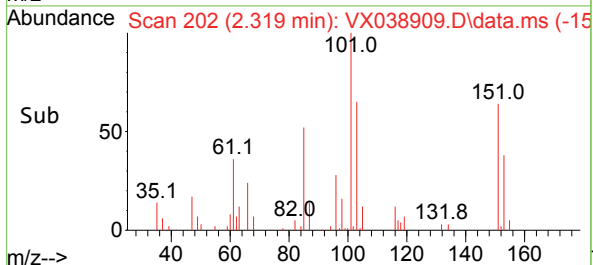
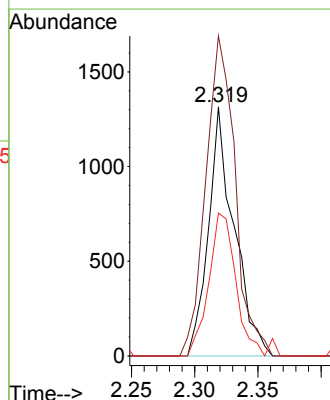
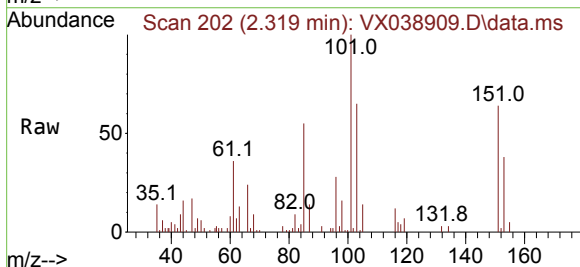
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20231109

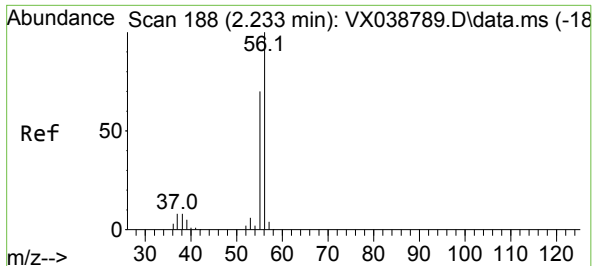
Tgt Ion:101 Resp: 14837
 Ion Ratio Lower Upper
 101 100
 85 49.3 37.0 55.6
 151 68.8 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 1.361 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX038909.D
 Acq: 18 Nov 2023 05:07

Tgt Ion: 96 Resp: 1858
 Ion Ratio Lower Upper
 96 100
 61 128.4 144.6 216.8#
 98 57.4 50.4 75.6

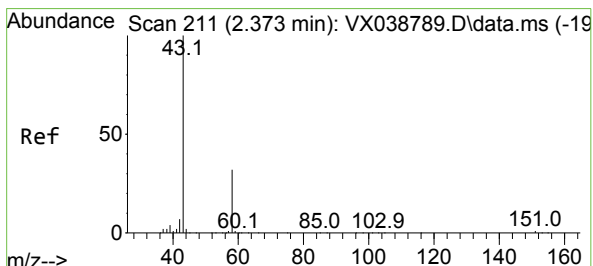
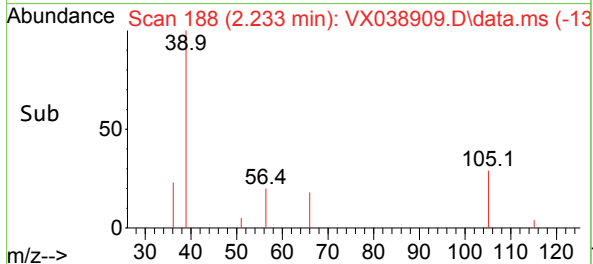
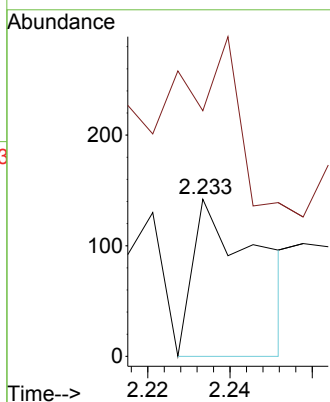
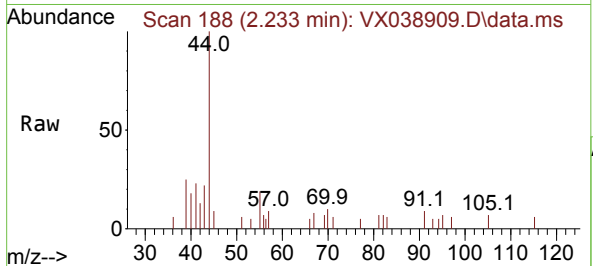




#13
Acrolein
Concen: 0.605 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

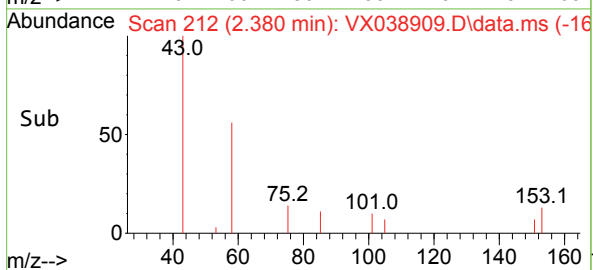
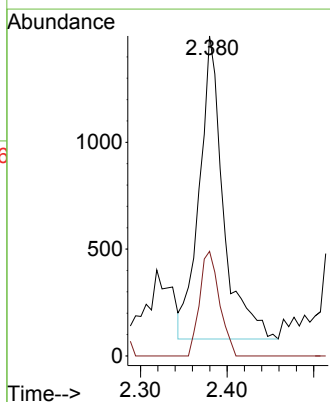
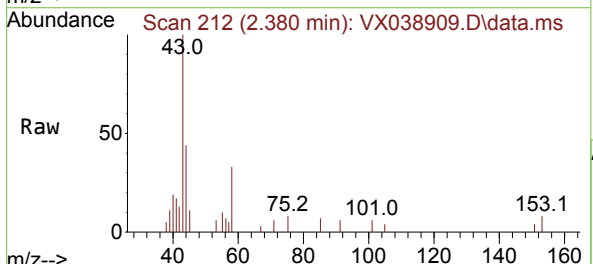
Instrument :
MSVOA_X
ClientSampleId :
RW4-20231109

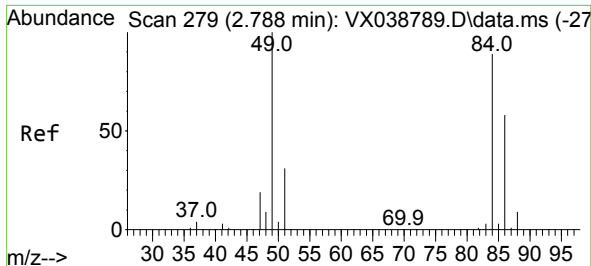
Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 96.2 57.1 85.7#



#16
Acetone
Concen: 2.912 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
58 34.5 21.9 32.9#





#20

Methylene Chloride

Concen: 0.444 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038909.D

Acq: 18 Nov 2023 05:07

Instrument :

MSVOA_X

ClientSampleId :

RW4-20231109

Tgt Ion: 84 Resp: 752

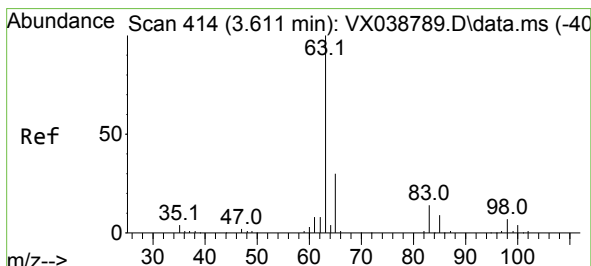
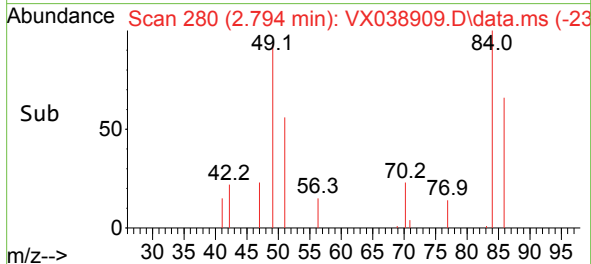
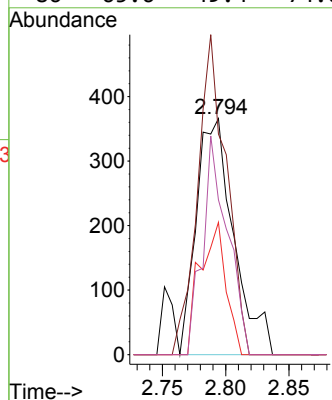
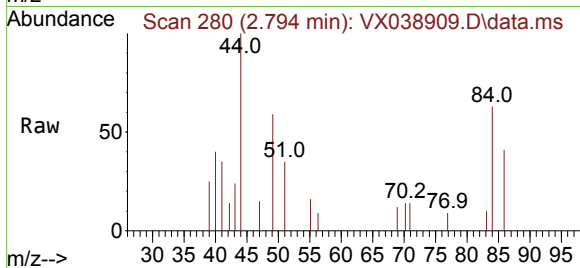
Ion Ratio Lower Upper

84 100

49 93.4 103.6 155.4#

51 56.0 33.8 50.6#

86 65.6 49.4 74.0



#24

1,1-Dichloroethane

Concen: 0.391 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX038909.D

Acq: 18 Nov 2023 05:07

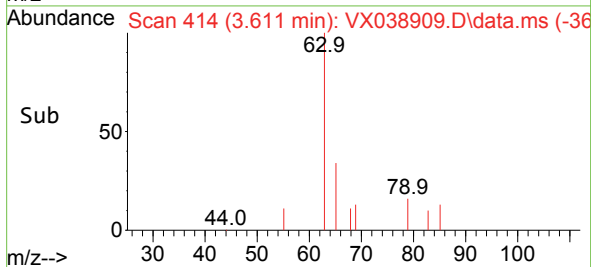
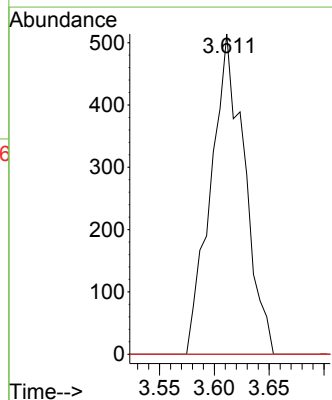
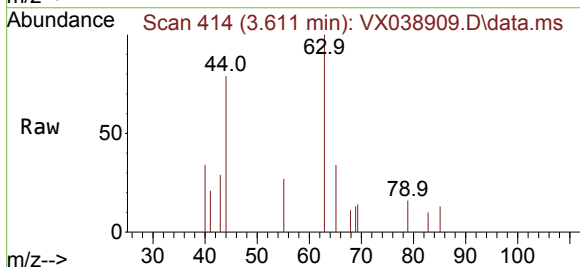
Tgt Ion: 63 Resp: 1096

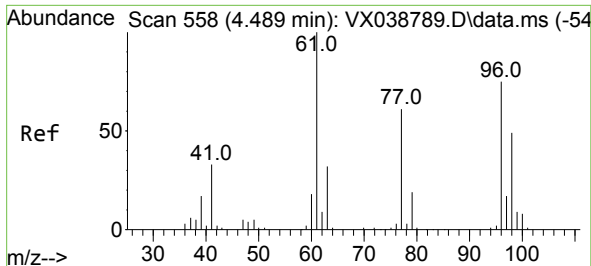
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 1.582 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX038909.D

Acq: 18 Nov 2023 05:07

Instrument :

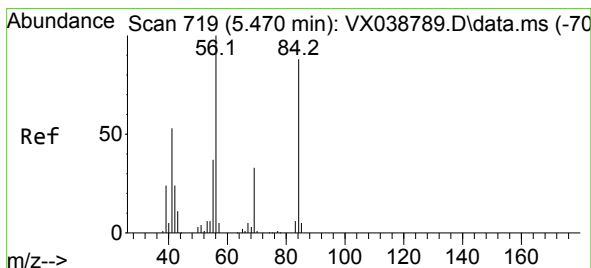
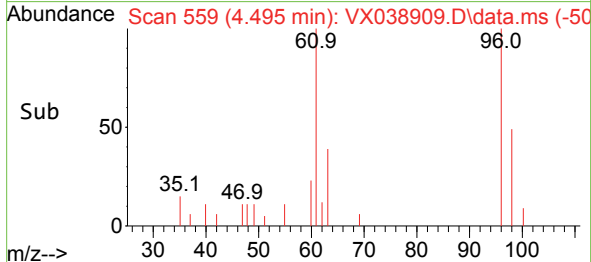
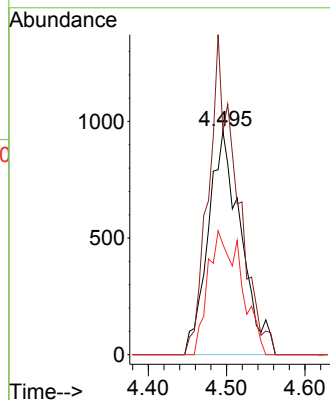
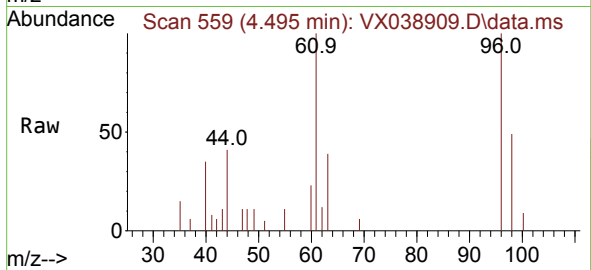
MSVOA_X

ClientSampleId :

RW4-20231109

Tgt Ion: 96 Resp: 2777

Ion	Ratio	Lower	Upper
96	100		
61	123.5	0.0	312.2
98	56.1	0.0	129.0



#31

Cyclohexane

Concen: 1.338 ug/l

RT: 5.556 min Scan# 733

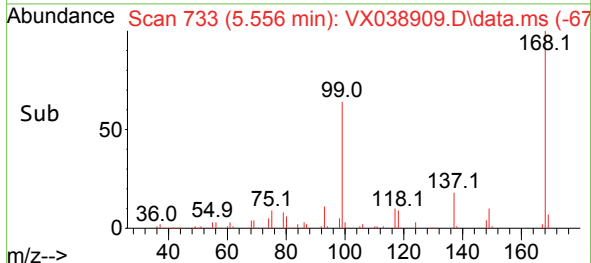
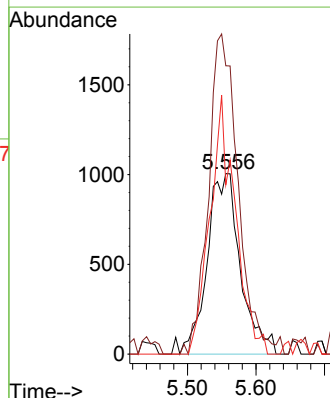
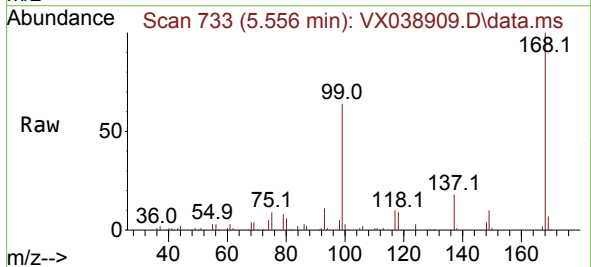
Delta R.T. 0.086 min

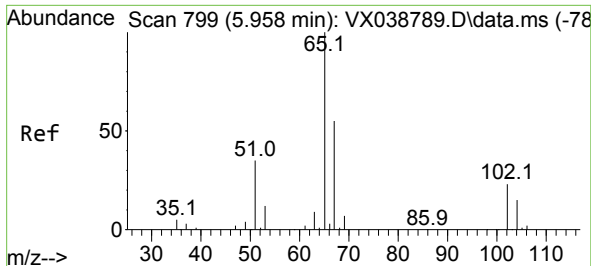
Lab File: VX038909.D

Acq: 18 Nov 2023 05:07

Tgt Ion: 56 Resp: 3372

Ion	Ratio	Lower	Upper
56	100		
69	159.8	23.4	35.2#
84	93.8	65.9	98.9

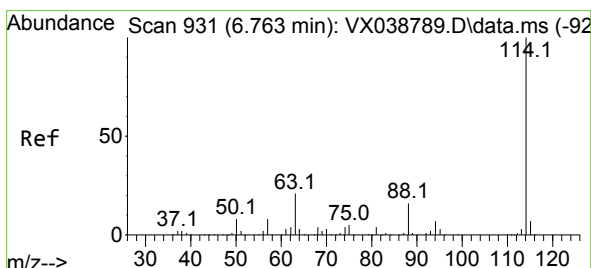
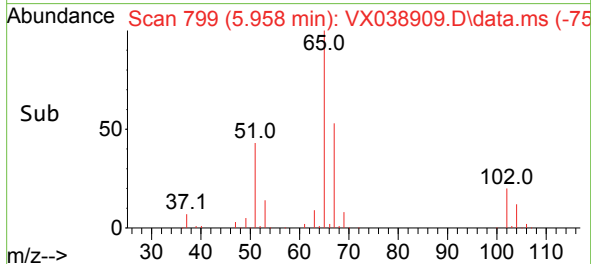
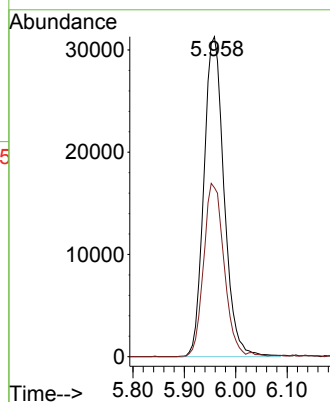
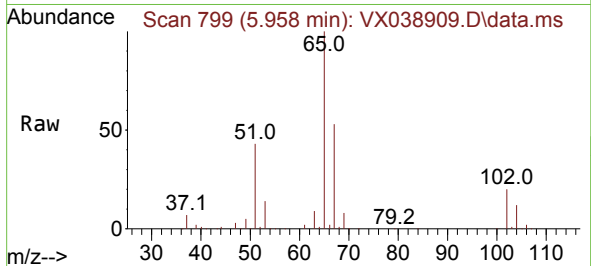




#33
1,2-Dichloroethane-d4
Concen: 48.375 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

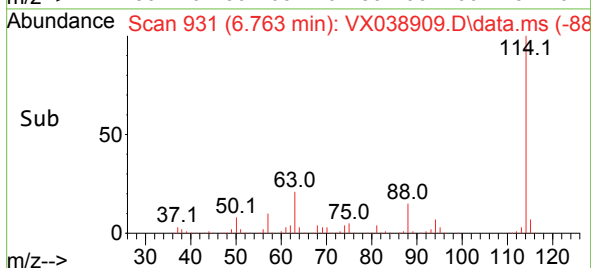
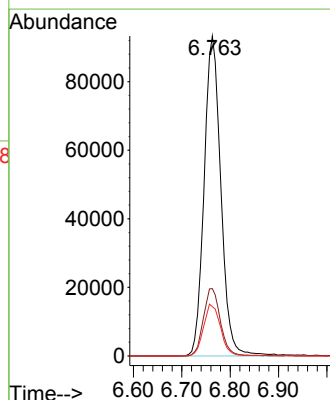
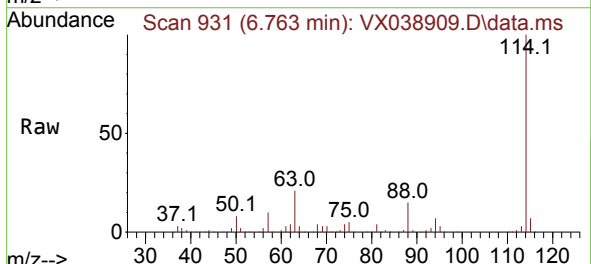
Instrument :
MSVOA_X
ClientSampleId :
RW4-20231109

Tgt Ion: 65 Resp: 85378
Ion Ratio Lower Upper
65 100
67 55.2 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: VX038909.D
Acq: 18 Nov 2023 05:07

Tgt Ion: 114 Resp: 224750
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.0
88 15.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.601 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX038909.D

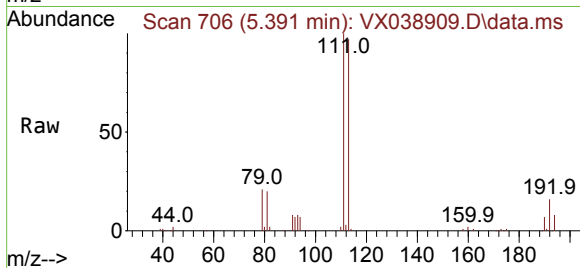
Acq: 18 Nov 2023 05:07

Instrument :

MSVOA_X

ClientSampleId :

RW4-20231109



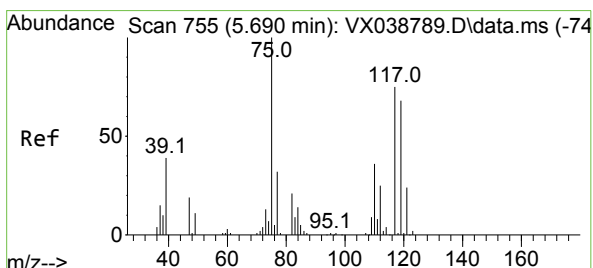
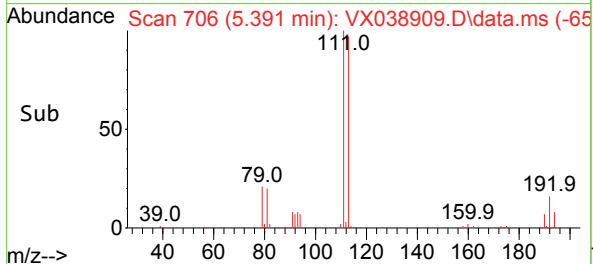
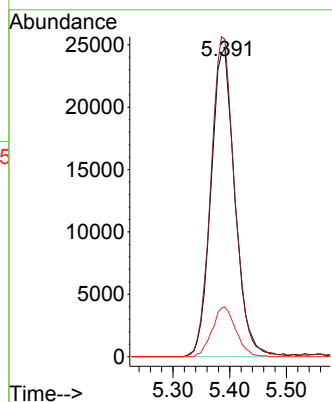
Tgt Ion:113 Resp: 72396

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

192 16.0 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.423 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX038909.D

Acq: 18 Nov 2023 05:07

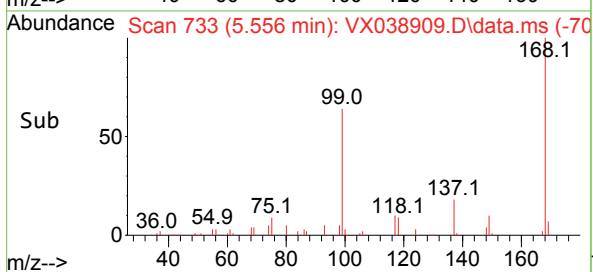
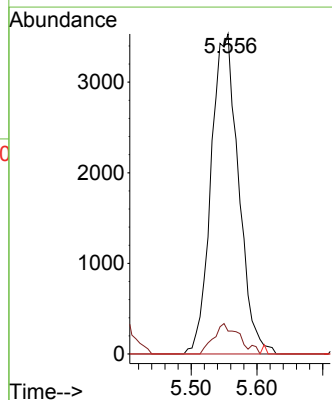
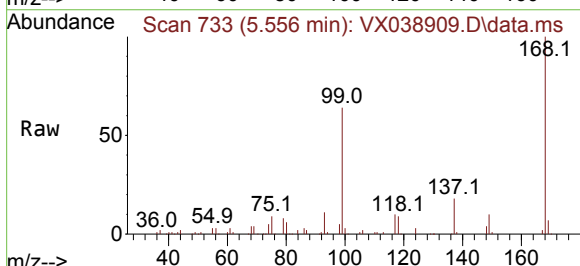
Tgt Ion: 75 Resp: 10290

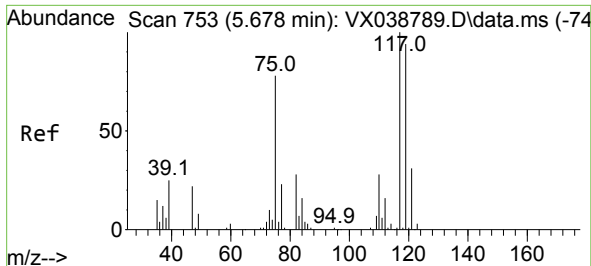
Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

77 0.0 24.7 37.1#

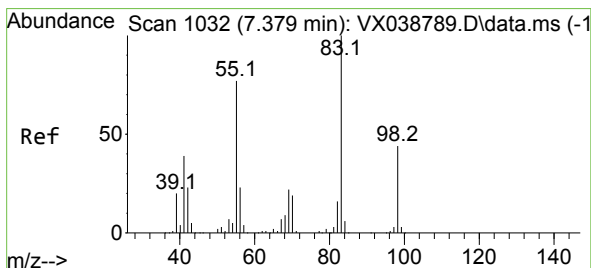
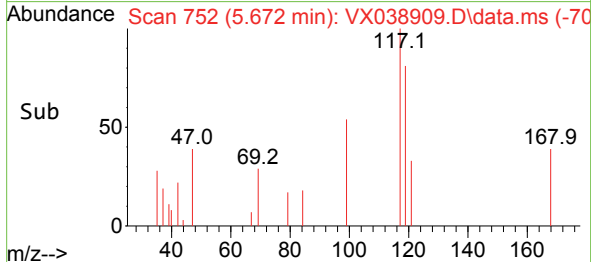
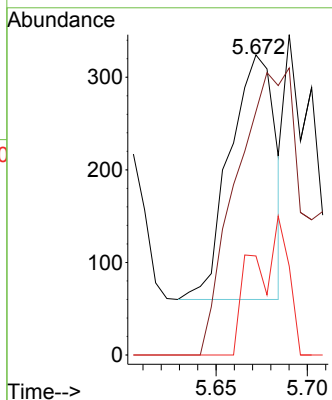
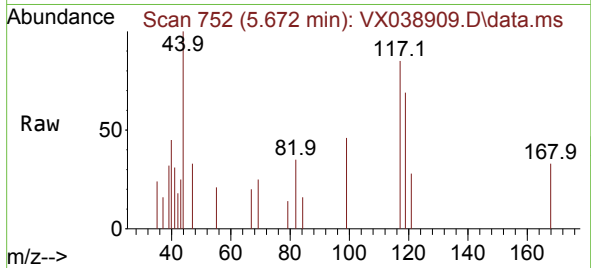




#38
Carbon Tetrachloride
Concen: 0.213 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

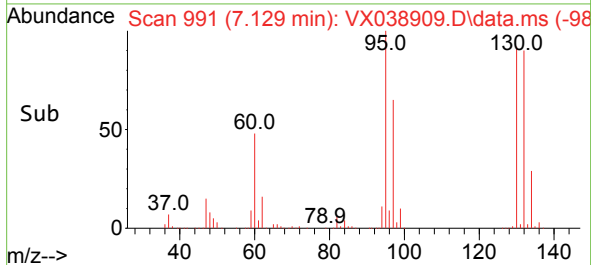
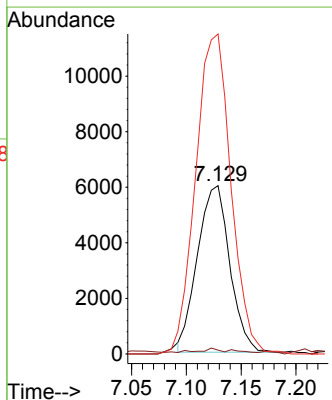
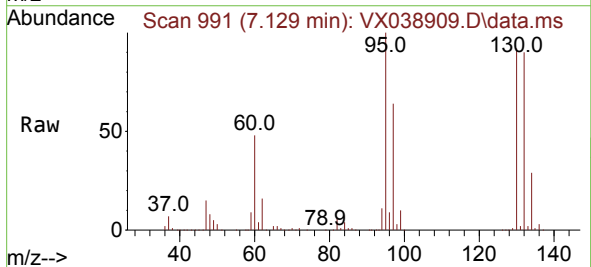
Instrument :
MSVOA_X
ClientSampleId :
RW4-20231109

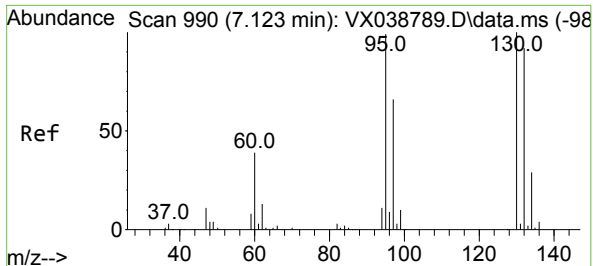
Tgt Ion:117 Resp: 459
Ion Ratio Lower Upper
117 100
119 99.6 78.2 117.2
121 40.5 24.4 36.6#



#39
Methylcyclohexane
Concen: 4.055 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

Tgt Ion: 83 Resp: 12305
Ion Ratio Lower Upper
83 100
55 1.5 64.6 97.0#
98 190.3 36.7 55.1#

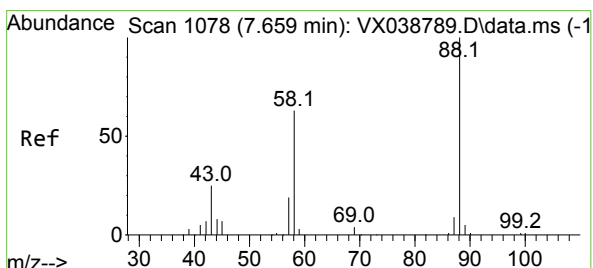
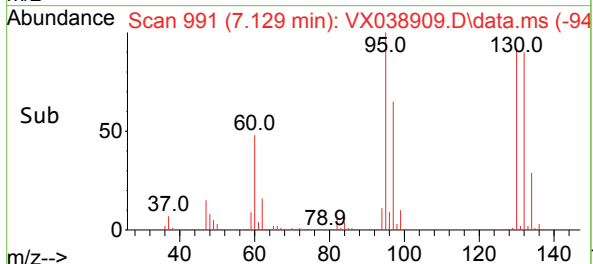
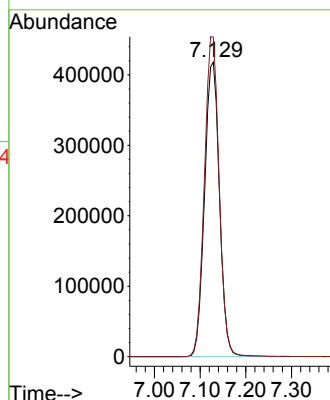
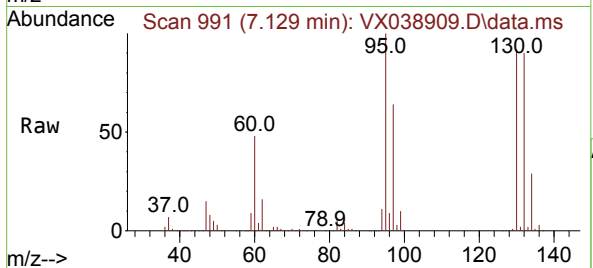




#44
Trichloroethene
Concen: 564.260 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

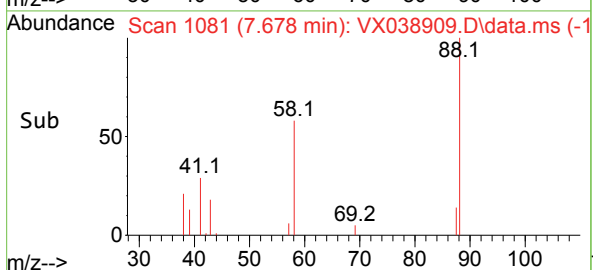
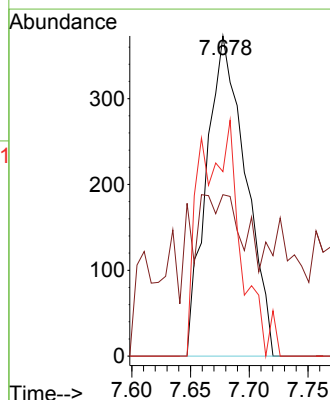
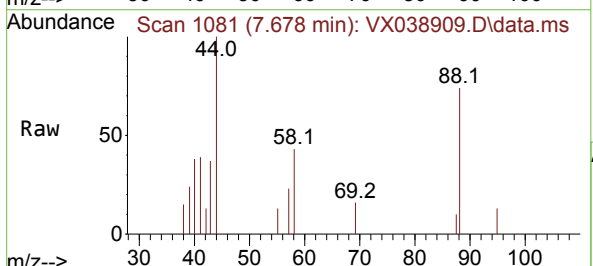
Instrument :
MSVOA_X
ClientSampleId :
RW4-20231109

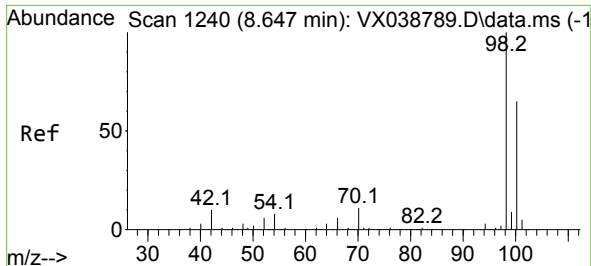
Tgt Ion:130 Resp: 945054
Ion Ratio Lower Upper
130 100
95 108.5 0.0 204.4



#49
1,4-Dioxane
Concen: 19.068 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

Tgt Ion: 88 Resp: 867
Ion Ratio Lower Upper
88 100
43 22.0 0.0 0.0#
58 27.0 60.1 90.1#

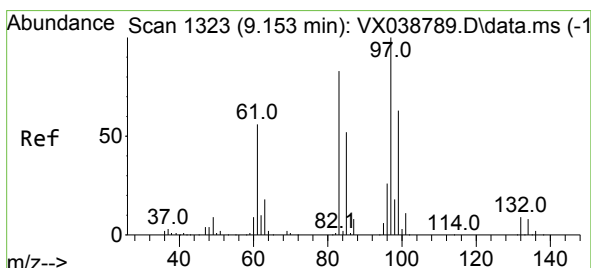
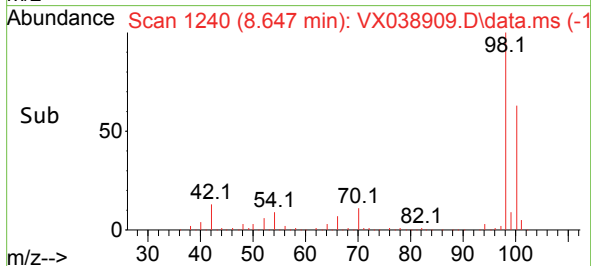
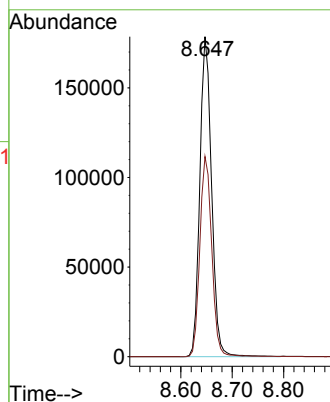
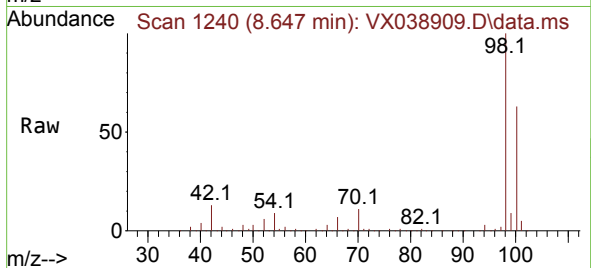




#50
Toluene-d8
Concen: 45.623 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

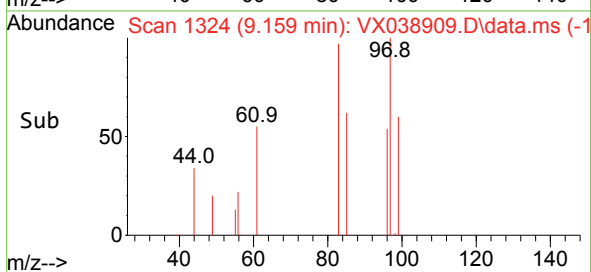
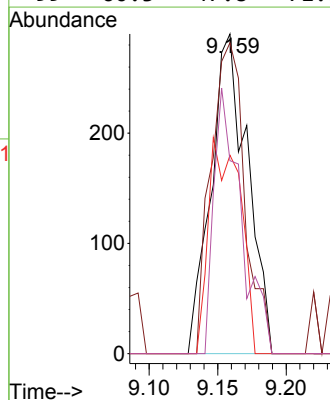
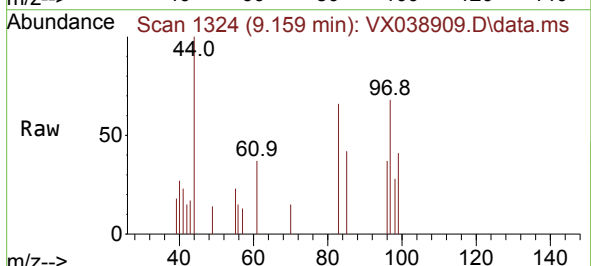
Instrument :
MSVOA_X
ClientSampleId :
RW4-20231109

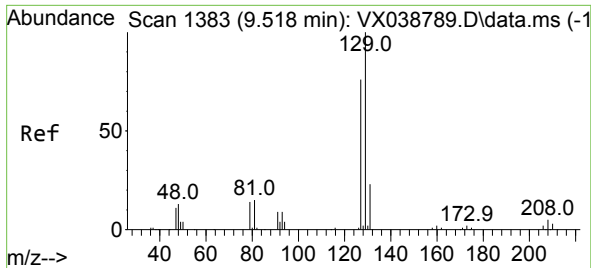
Tgt Ion: 98 Resp: 283341
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.300 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

Tgt Ion: 97 Resp: 535
Ion Ratio Lower Upper
97 100
83 97.2 65.8 98.8
85 62.1 41.6 62.4
99 60.3 47.8 71.8

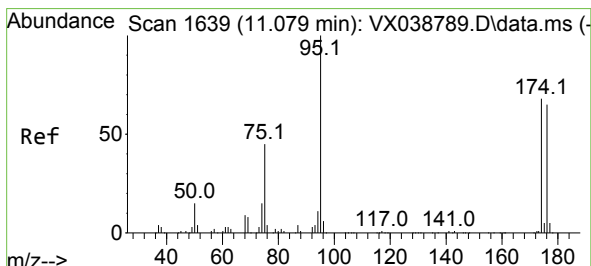
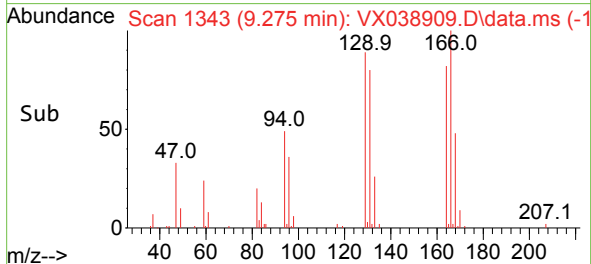
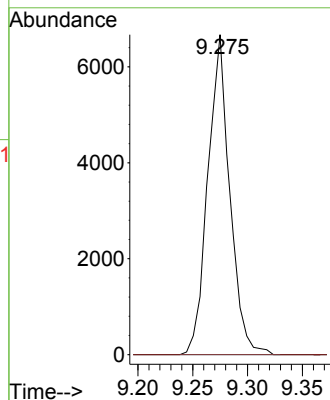
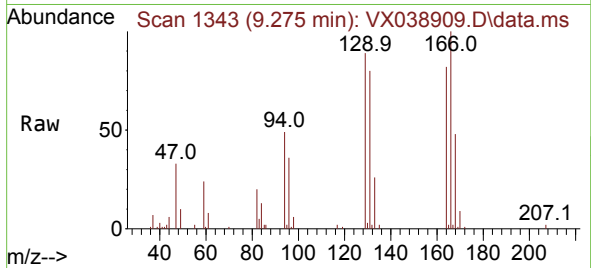




#60
Dibromochloromethane
Concen: 5.123 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

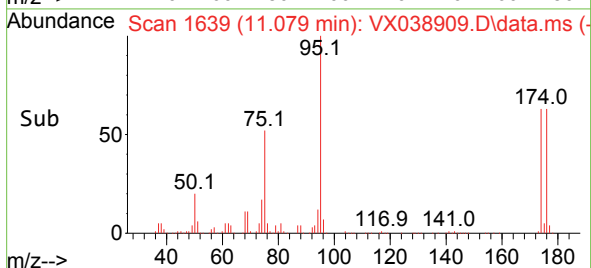
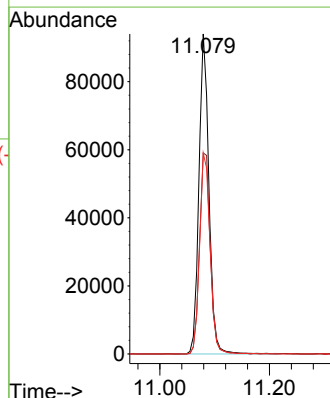
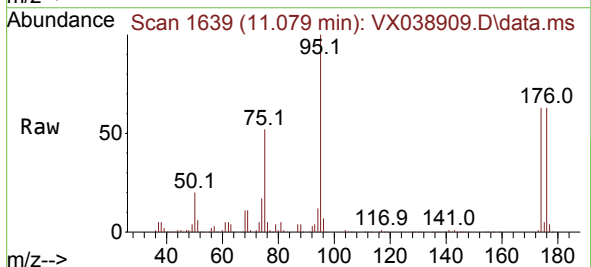
Instrument :
MSVOA_X
ClientSampleId :
RW4-20231109

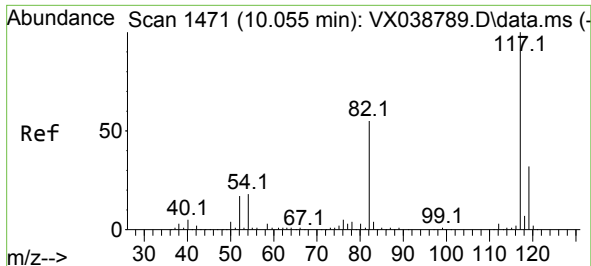
Tgt Ion:129 Resp: 9281
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.117 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

Tgt Ion: 95 Resp: 119622
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.6
176 65.7 0.0 131.0

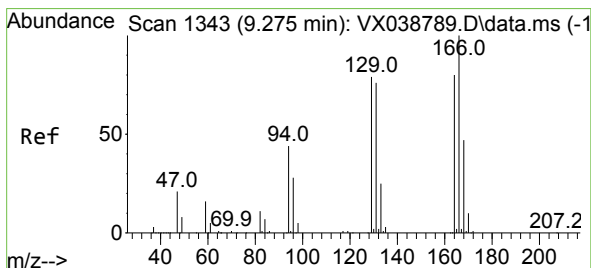
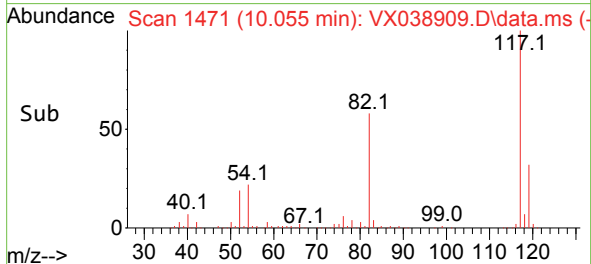
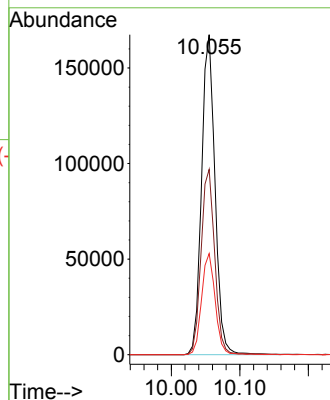
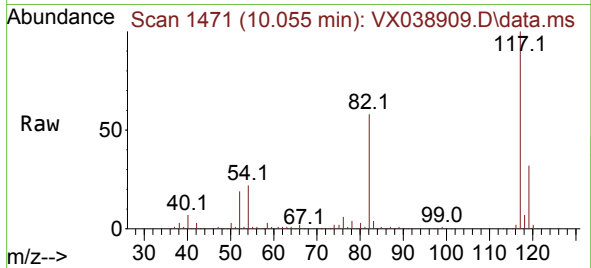




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

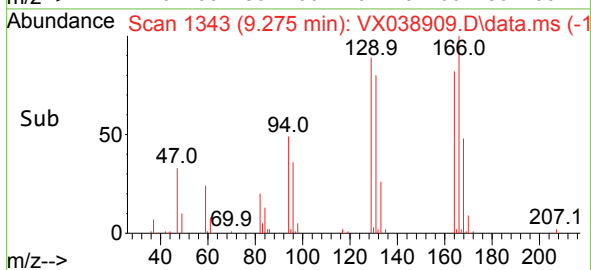
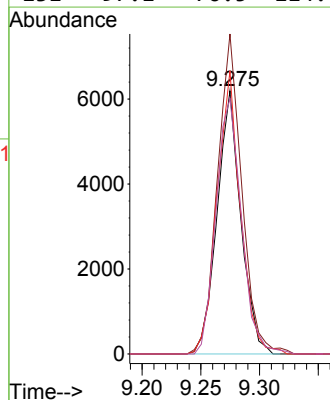
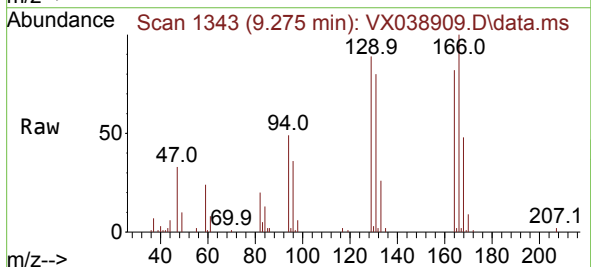
Instrument :
MSVOA_X
ClientSampleId :
RW4-20231109

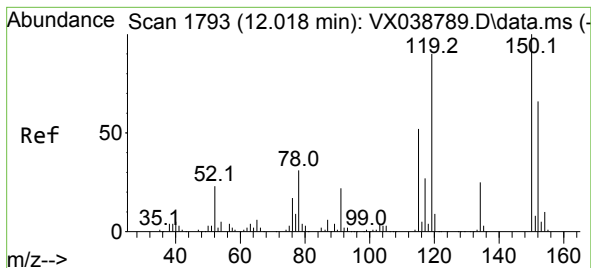
Tgt Ion:117 Resp: 228739
Ion Ratio Lower Upper
117 100
82 57.9 46.2 69.4
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 6.127 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038909.D
Acq: 18 Nov 2023 05:07

Tgt Ion:164 Resp: 8711
Ion Ratio Lower Upper
164 100
166 121.6 102.7 154.1
129 107.6 80.4 120.6
131 97.1 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038909.D

Acq: 18 Nov 2023 05:07

Instrument :

MSVOA_X

ClientSampleId :

RW4-20231109

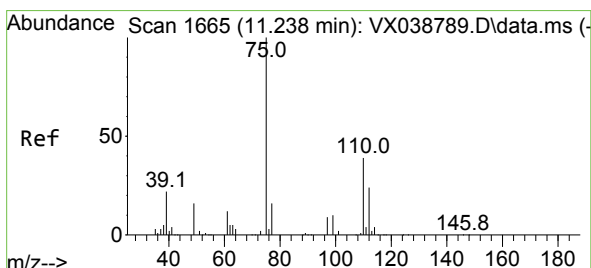
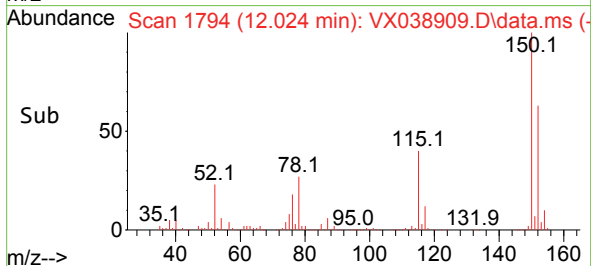
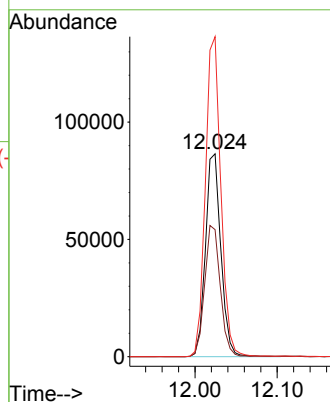
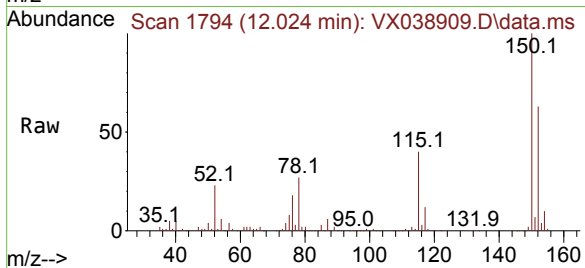
Tgt Ion:152 Resp: 112797

Ion Ratio Lower Upper

152 100

115 65.5 43.3 129.9

150 158.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.287 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038909.D

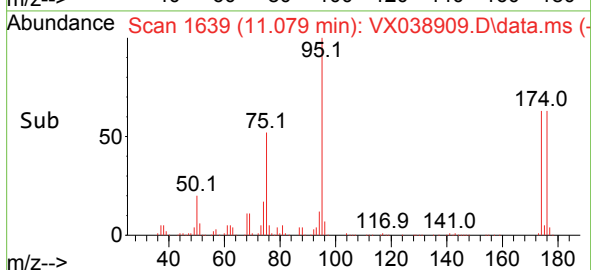
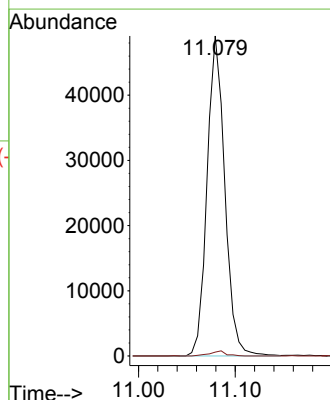
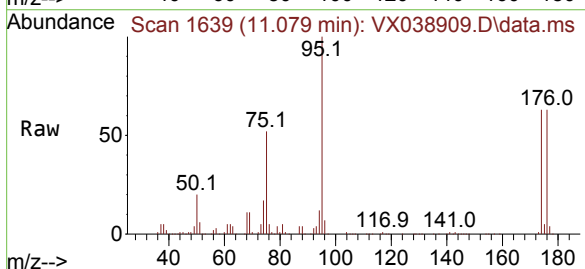
Acq: 18 Nov 2023 05:07

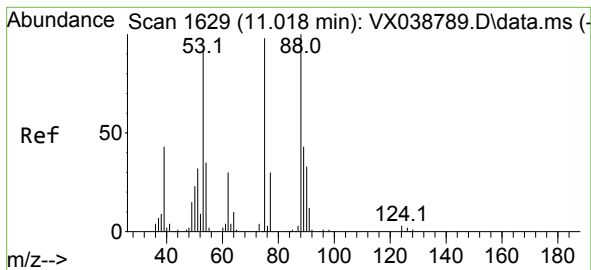
Tgt Ion: 75 Resp: 62722

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.435 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038909.D
 Acq: 18 Nov 2023 05:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20231109

Tgt Ion: 75 Resp: 62722
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.2 36.9 55.3#

