

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102023\
 Data File : VX038396.D
 Acq On : 20 Oct 2023 12:47
 Operator : JC/MD
 Sample : 04985-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-21-10-13

Quant Time: Oct 21 01:29:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

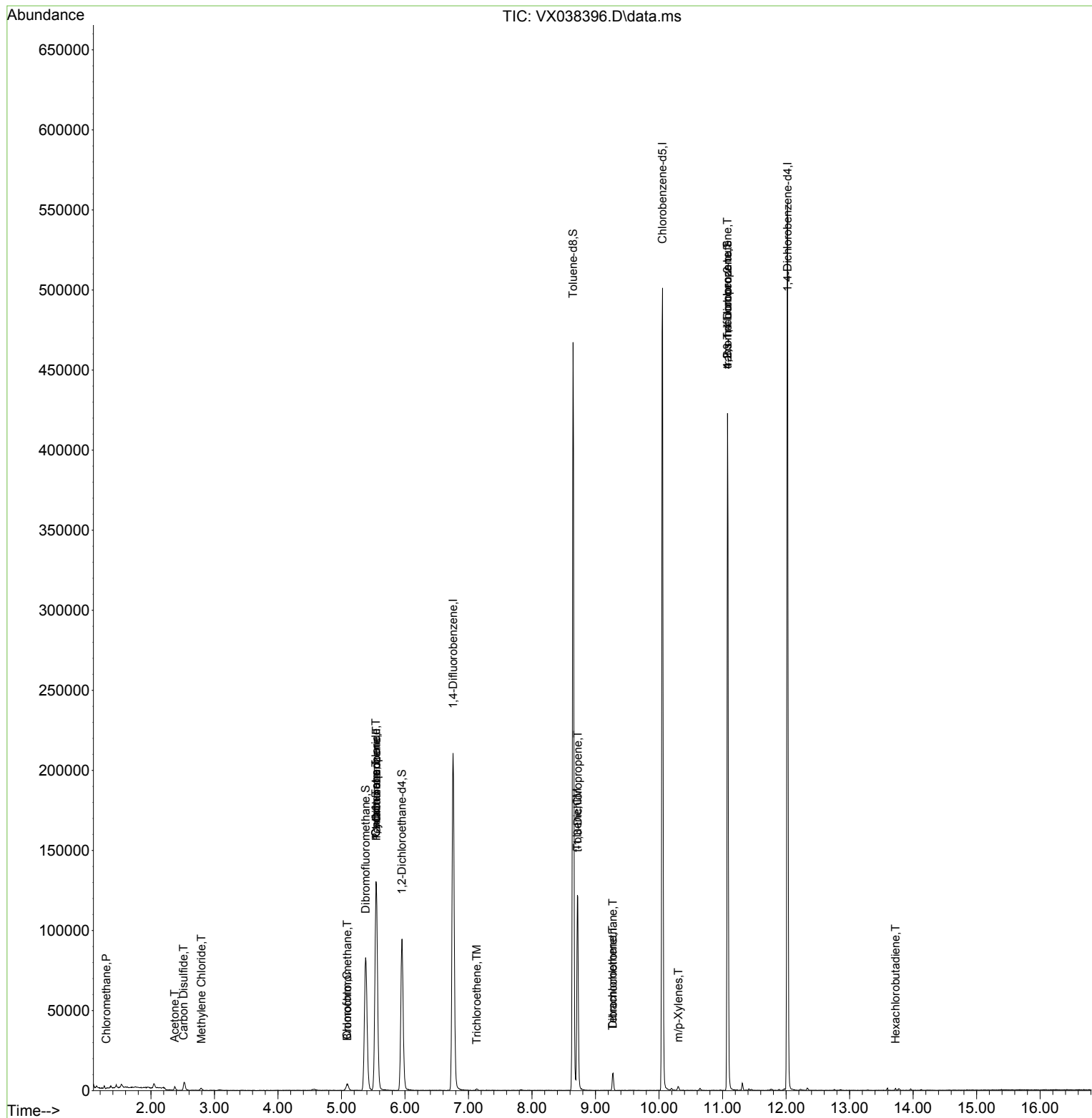
Internal Standards						
1) Pentafluorobenzene	5.550	168	122036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	219895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87916	44.789	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.580%		
35) Dibromofluoromethane	5.379	113	72059	45.478	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.960%		
50) Toluene-d8	8.647	98	280121	46.265	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.540%		
62) 4-Bromofluorobenzene	11.079	95	103839	45.238	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.480%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	298	0.248	ug/l #	43
5) Bromomethane	1.611	94	22	Below Cal	#	77
6) Chloroethane	1.691	64	63	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	26	Below Cal	#	78
16) Acetone	2.373	43	2066	2.522	ug/l	100
17) Carbon Disulfide	2.514	76	1409	0.438	ug/l	100
20) Methylene Chloride	2.794	84	800	0.519	ug/l #	52
28) Bromochloromethane	5.092	49	324	0.283	ug/l #	16
30) Chloroform	5.086	83	4661	1.678	ug/l	100
31) Cyclohexane	5.544	56	2980	1.401	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	9991	4.573	ug/l #	50
38) Carbon Tetrachloride	5.544	117	12745	5.929	ug/l #	14
44) Trichloroethene	7.129	130	422	0.264	ug/l	72
52) Toluene	8.714	92	47308	11.884	ug/l	94
53) t-1,3-Dichloropropene	8.720	75	623	0.266	ug/l #	1
60) Dibromochloromethane	9.275	129	1490	0.894	ug/l #	11
64) Tetrachloroethene	9.269	164	1616	1.095	ug/l	95
68) m/p-Xylenes	10.305	106	679	0.206	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	57959	21.893	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57959	62.803	ug/l #	5
94) Hexachlorobutadiene	13.725	225	305	0.307	ug/l	86

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

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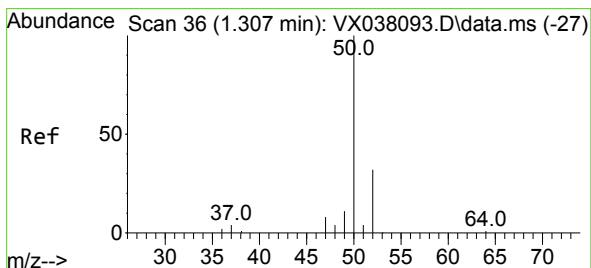
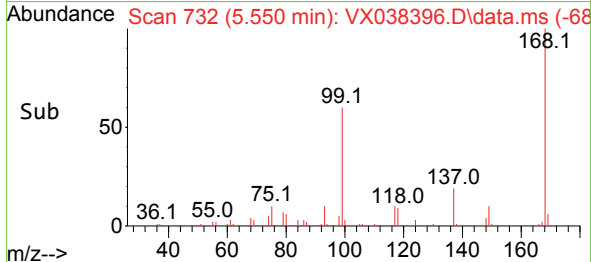
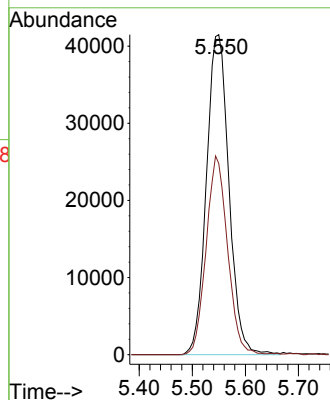
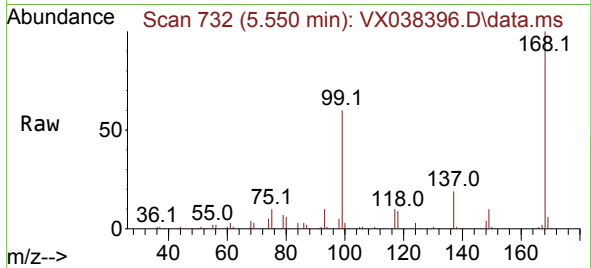




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

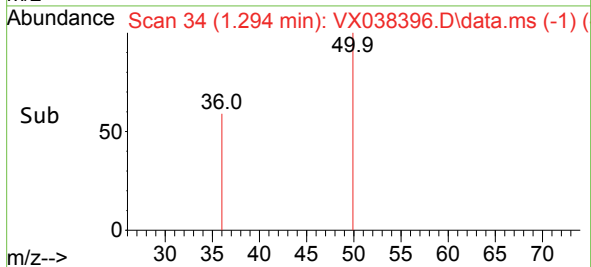
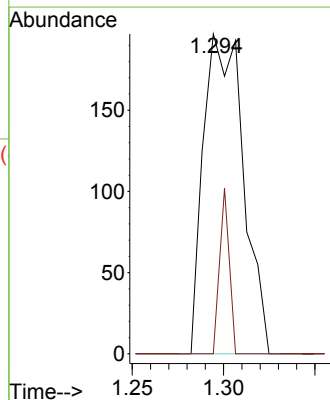
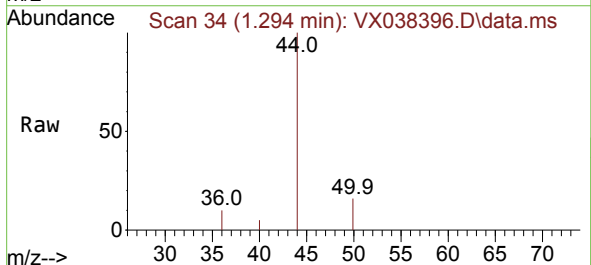
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

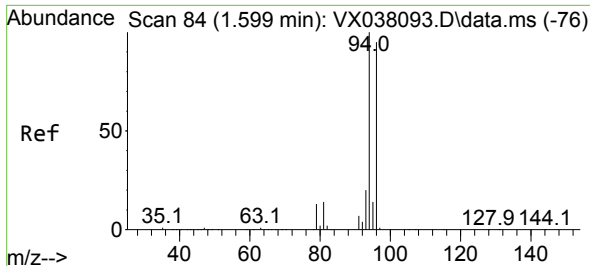
Tgt Ion:168 Resp: 122036
Ion Ratio Lower Upper
168 100
99 59.8 56.6 85.0



#3
Chloromethane
Concen: 0.248 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion: 50 Resp: 298
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

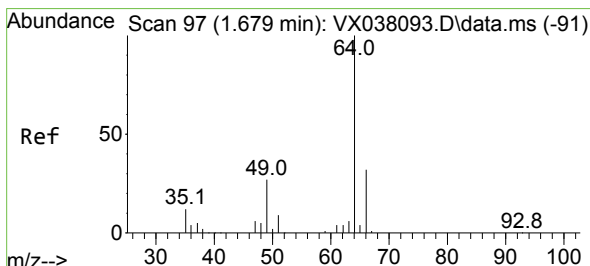
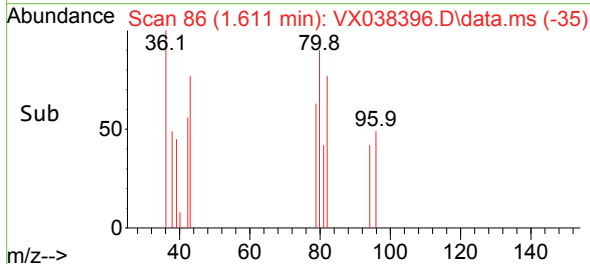
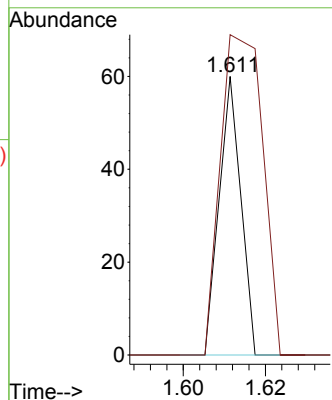
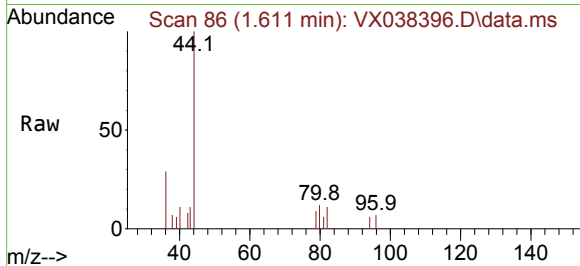




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

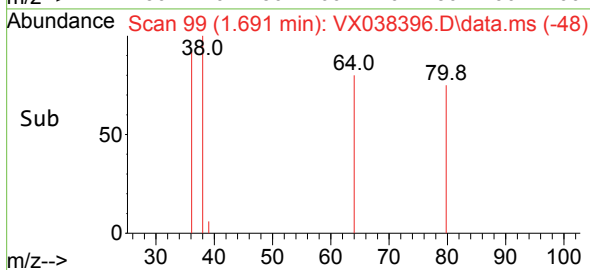
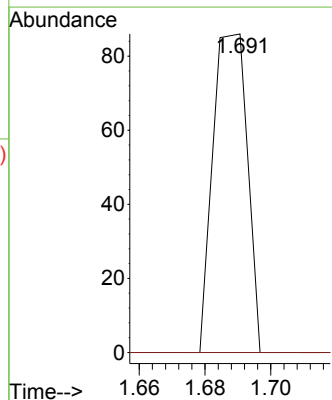
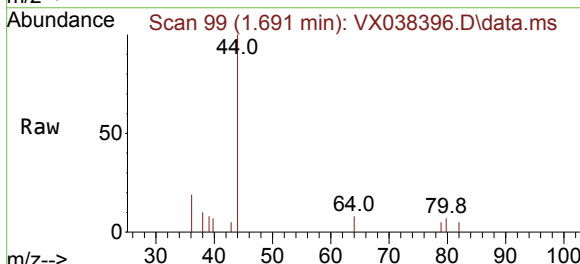
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

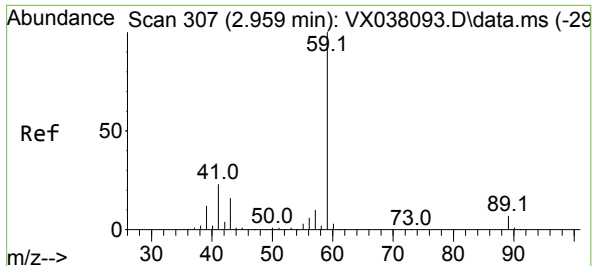
Tgt Ion: 94 Resp: 22
Ion Ratio Lower Upper
94 100
96 115.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX038396.D

Acq: 20 Oct 2023 12:47

Instrument :

MSVOA_X

ClientSampleId :

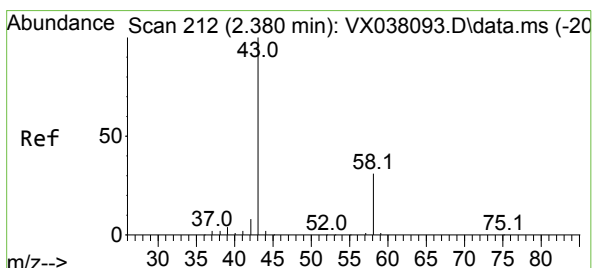
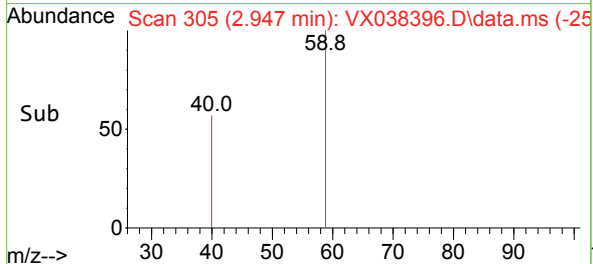
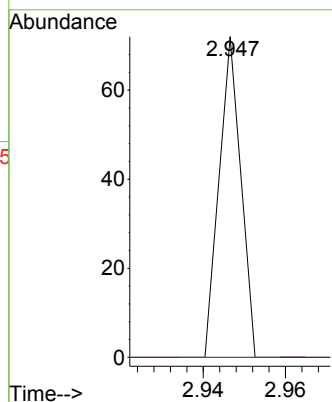
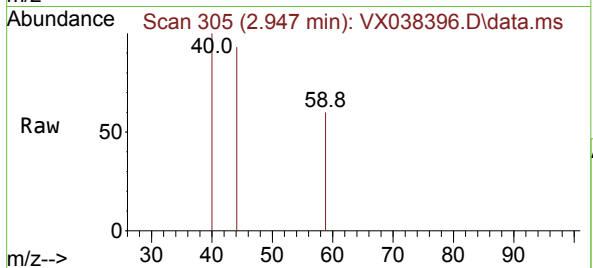
GW-21-10-13

Tgt Ion: 59 Resp: 26

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.522 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.007 min

Lab File: VX038396.D

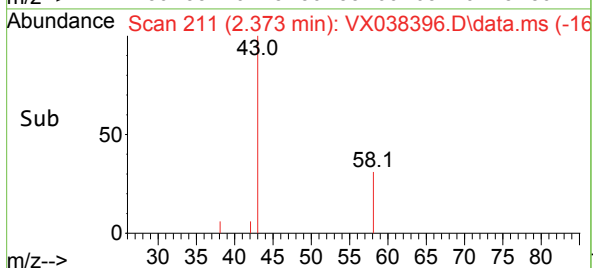
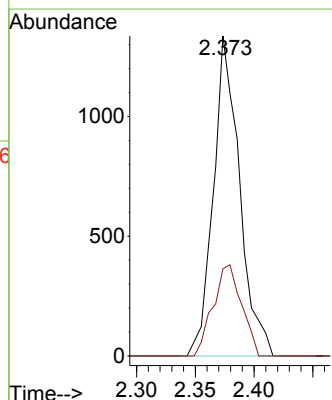
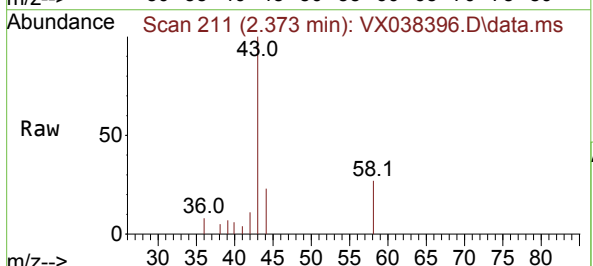
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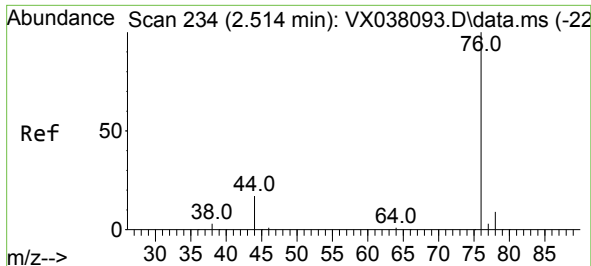
Tgt Ion: 43 Resp: 2066

Ion Ratio Lower Upper

43 100

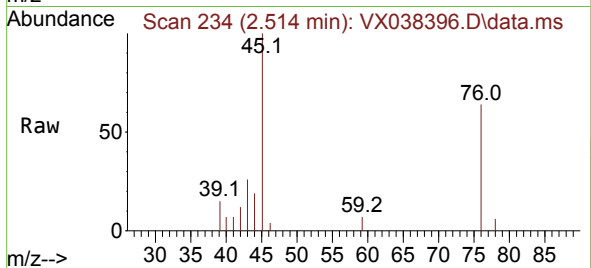
58 27.2 21.9 32.9



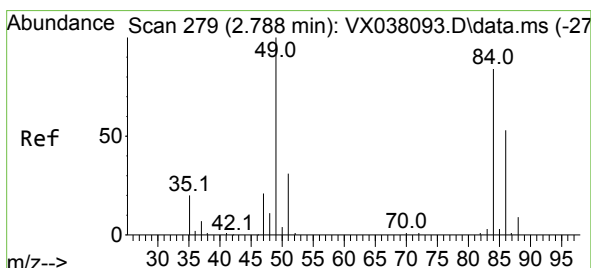
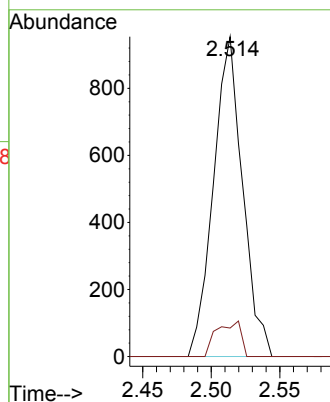
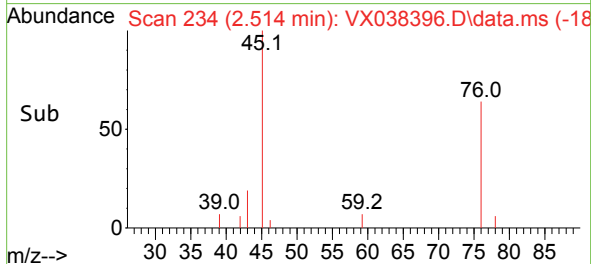


#17
Carbon Disulfide
Concen: 0.438 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

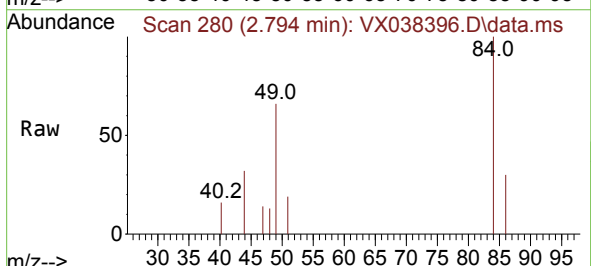
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13



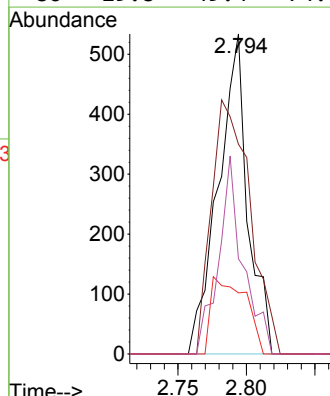
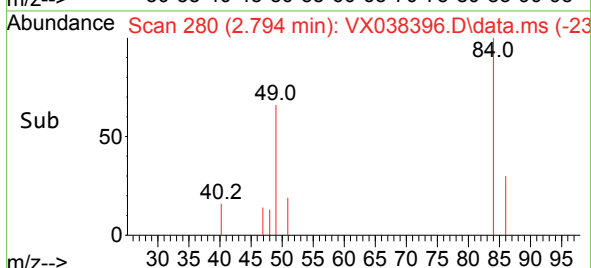
Tgt Ion: 76 Resp: 1409
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

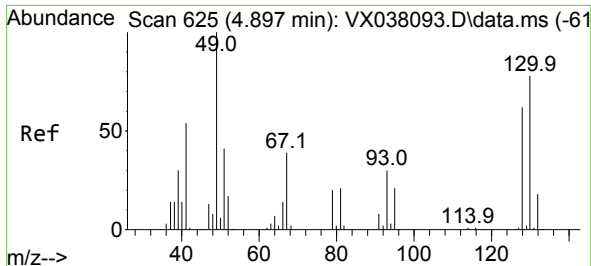


#20
Methylene Chloride
Concen: 0.519 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47



Tgt Ion: 84 Resp: 800
Ion Ratio Lower Upper
84 100
49 65.5 103.6 155.4#
51 19.1 33.8 50.6#
86 29.8 49.4 74.0#

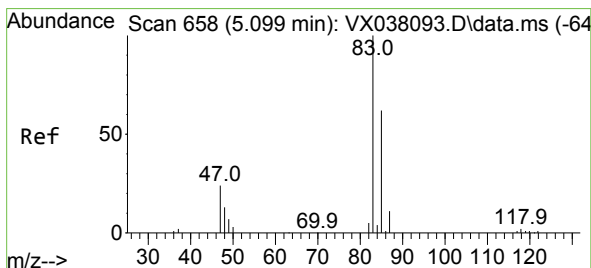
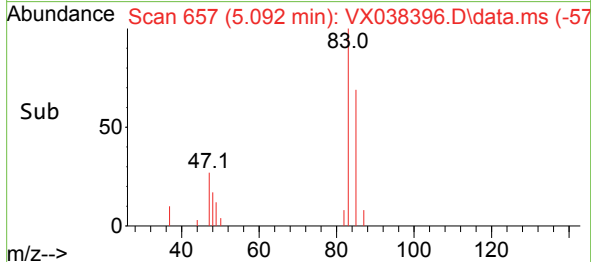
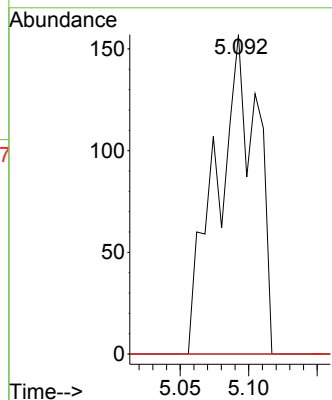
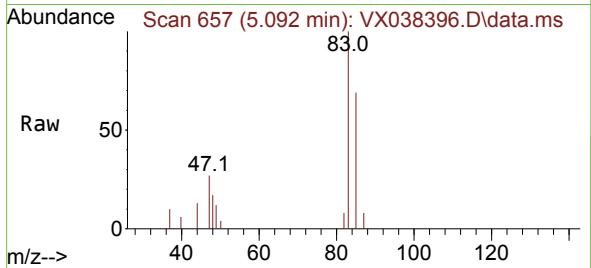




#28
Bromochloromethane
Concen: 0.283 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

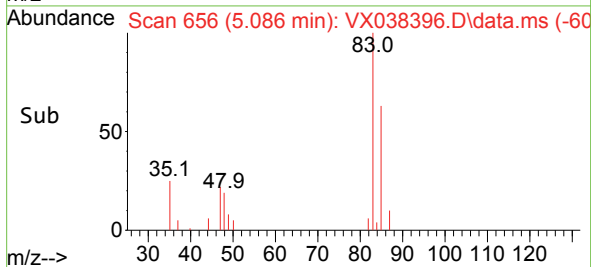
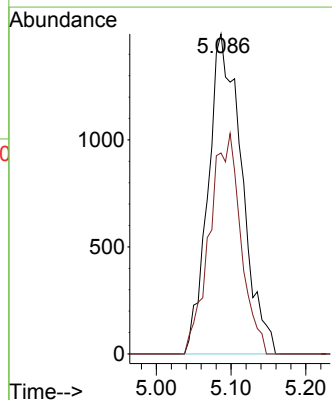
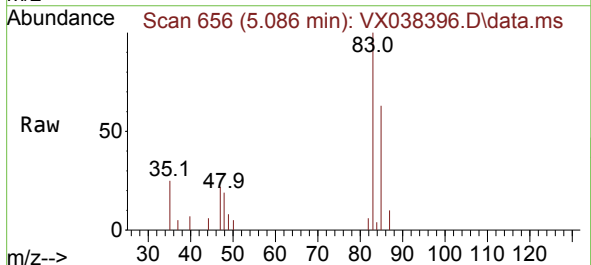
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

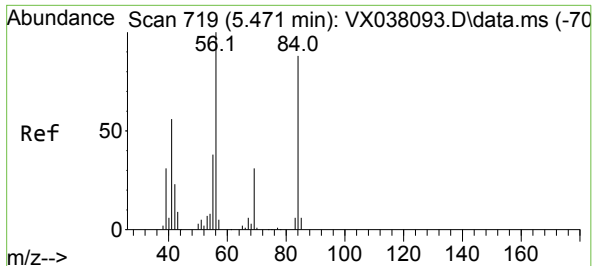
Tgt Ion: 49 Resp: 324
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 1.678 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.007 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

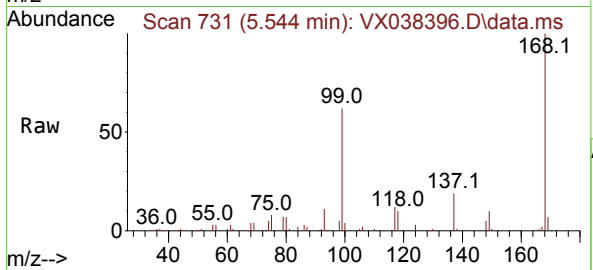
Tgt Ion: 83 Resp: 4661
Ion Ratio Lower Upper
83 100
85 62.8 50.3 75.5



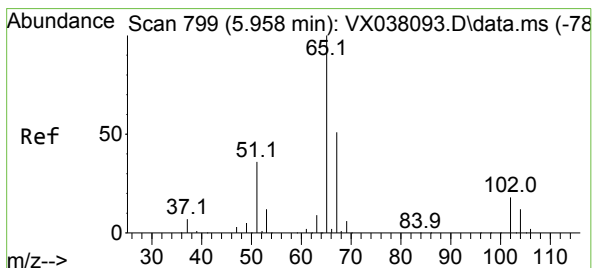
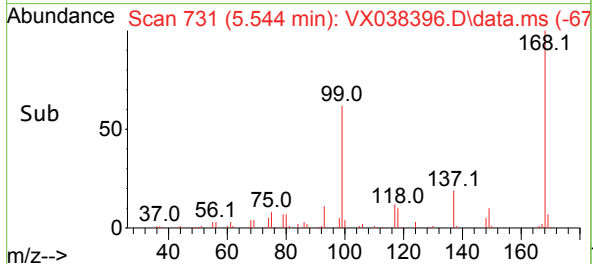
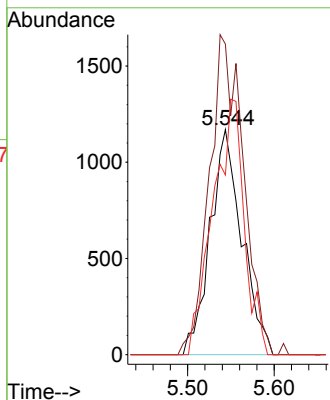


#31
Cyclohexane
Concen: 1.401 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Instrument :
MSVOA_X
ClientSampleId :
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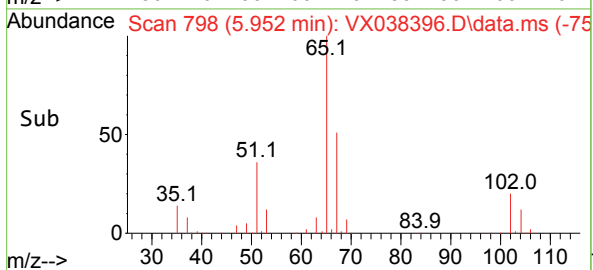
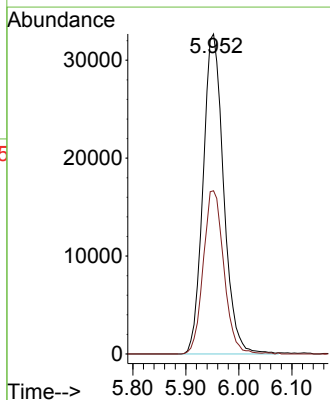
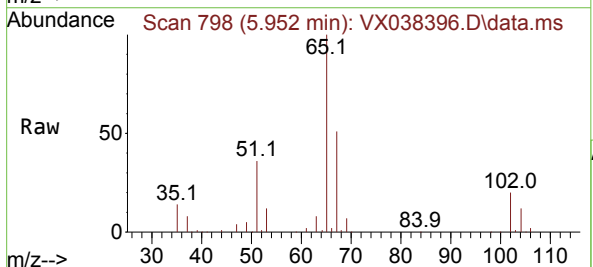


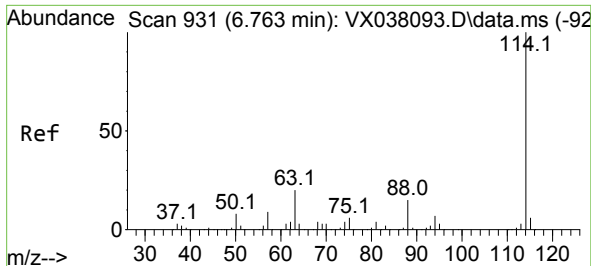
Tgt Ion: 56 Resp: 2980
Ion Ratio Lower Upper
56 100
69 137.9 23.4 35.2#
84 79.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 44.789 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion: 65 Resp: 87916
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

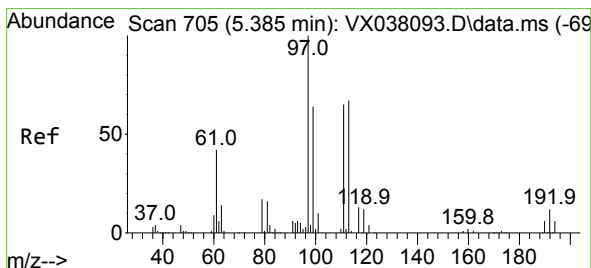
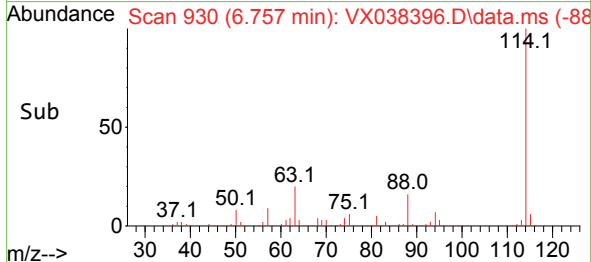
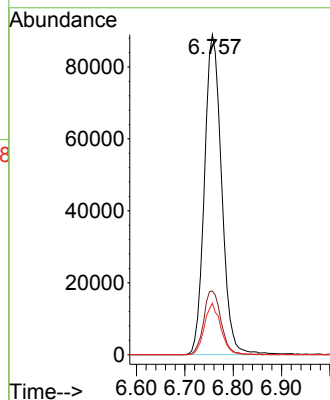
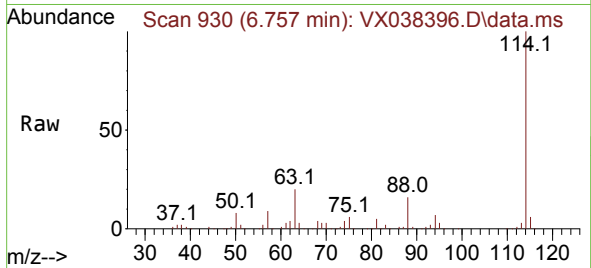




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

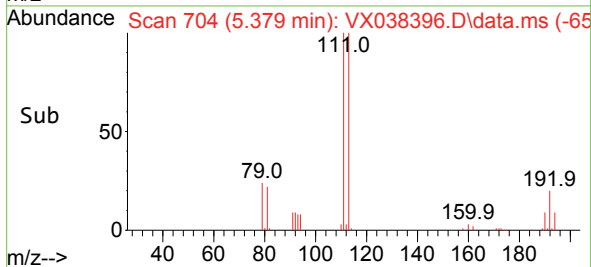
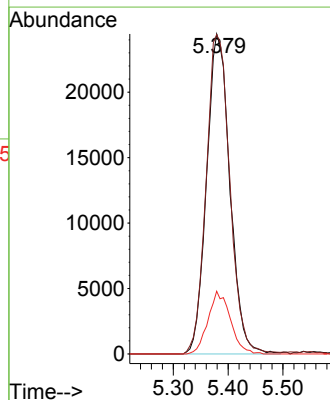
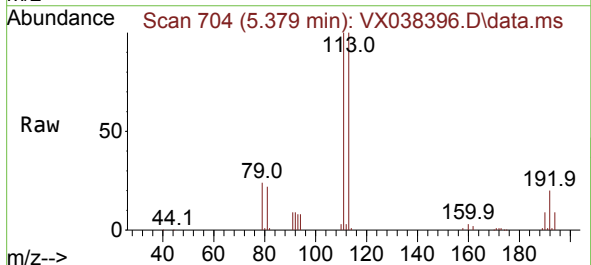
Instrument :
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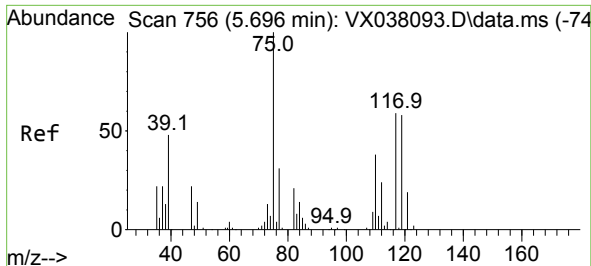
Tgt Ion:114 Resp: 219895
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.478 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion:113 Resp: 72059
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 18.8 13.3 19.9

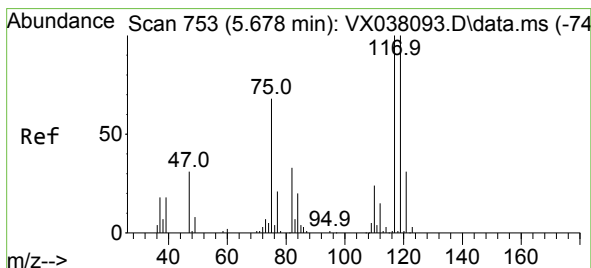
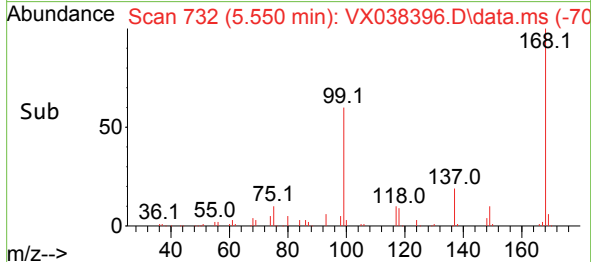
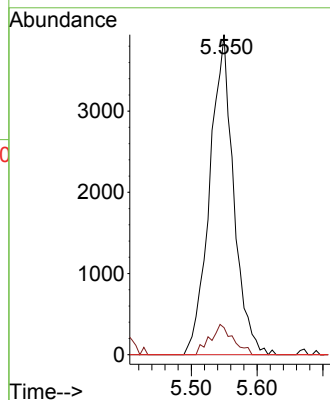
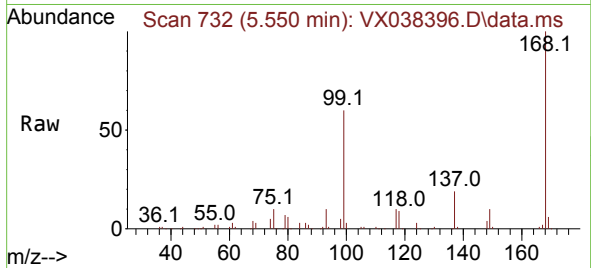




#36
1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

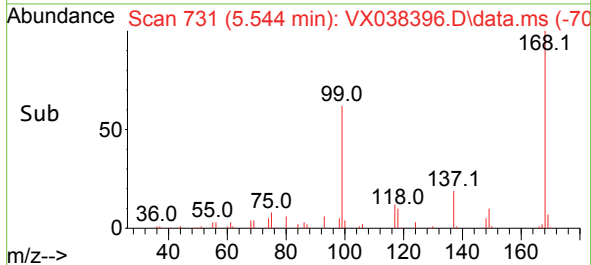
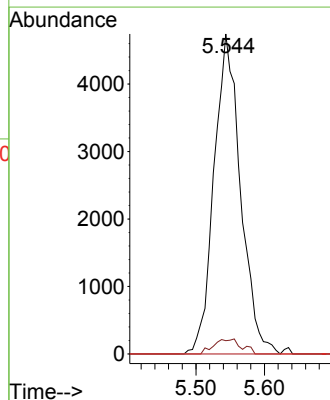
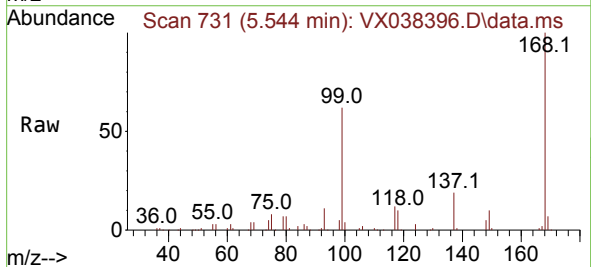
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

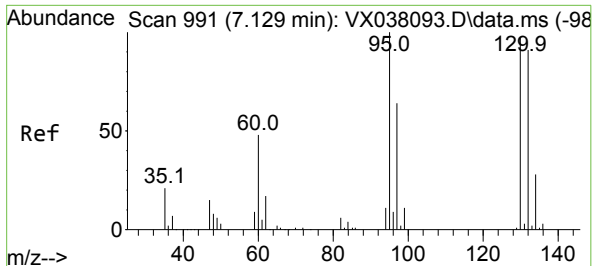
Tgt Ion: 75 Resp: 9991
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.929 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion: 117 Resp: 12745
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#

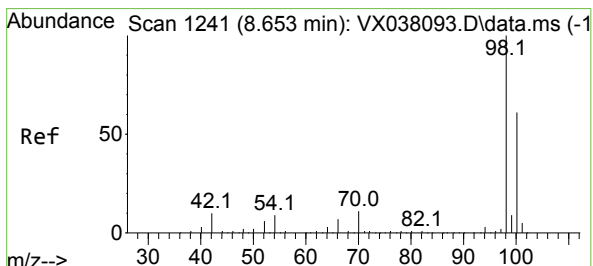
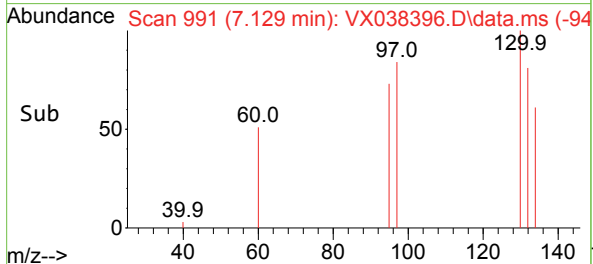
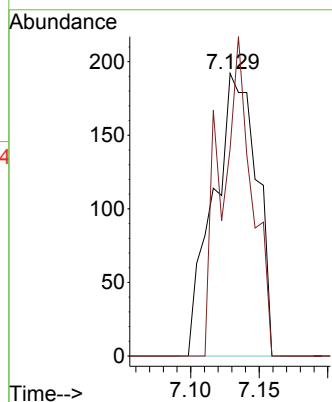
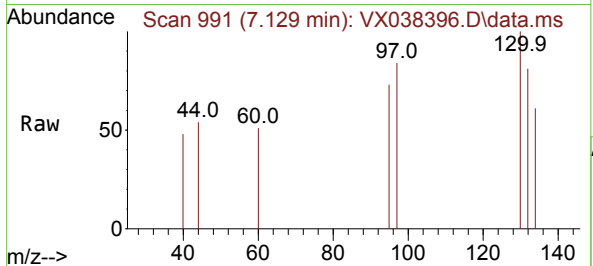




#44
Trichloroethene
Concen: 0.264 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

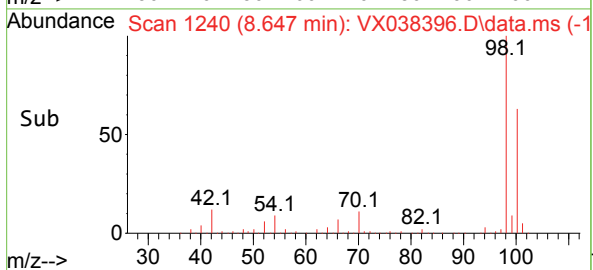
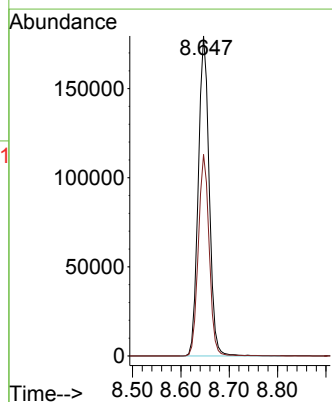
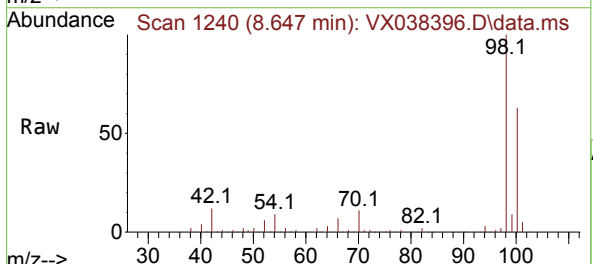
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

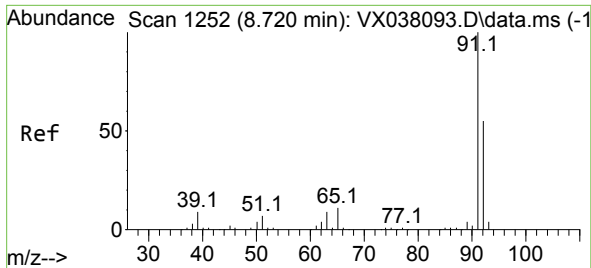
Tgt Ion:130 Resp: 422
Ion Ratio Lower Upper
130 100
95 73.4 0.0 204.4



#50
Toluene-d8
Concen: 46.265 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion: 98 Resp: 280121
Ion Ratio Lower Upper
98 100
100 62.5 53.1 79.7

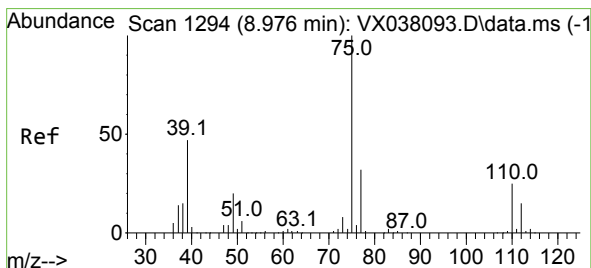
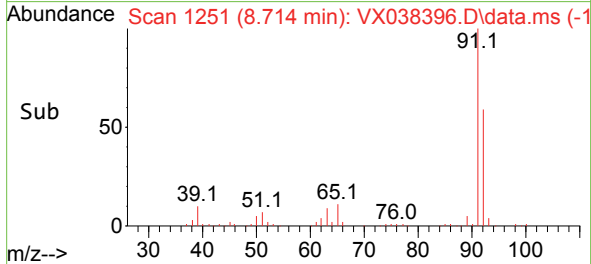
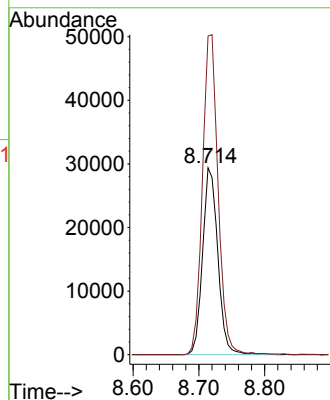
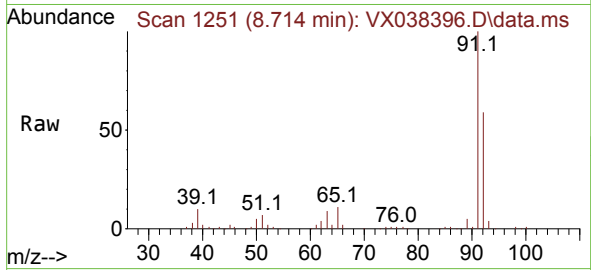




#52
Toluene
Concen: 11.884 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

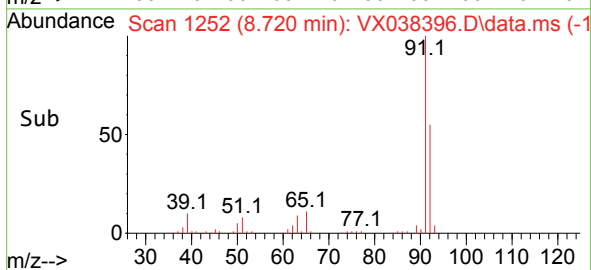
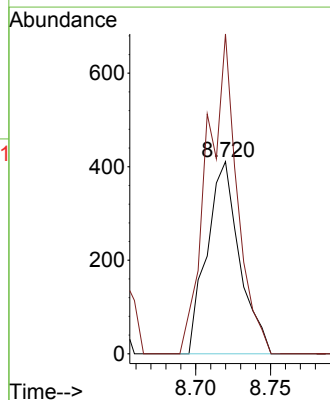
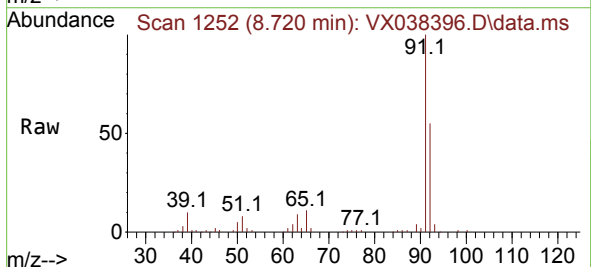
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

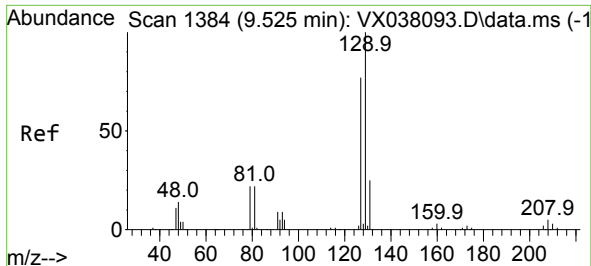
Tgt Ion: 92 Resp: 47308
Ion Ratio Lower Upper
92 100
91 176.2 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.266 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.256 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion: 75 Resp: 623
Ion Ratio Lower Upper
75 100
77 166.4 25.7 38.5#

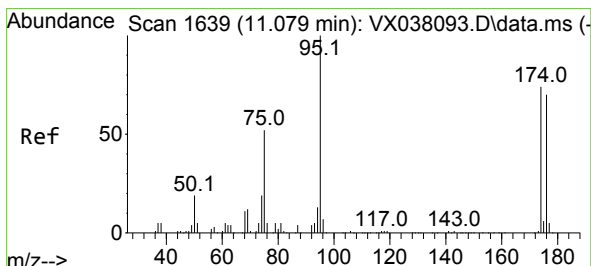
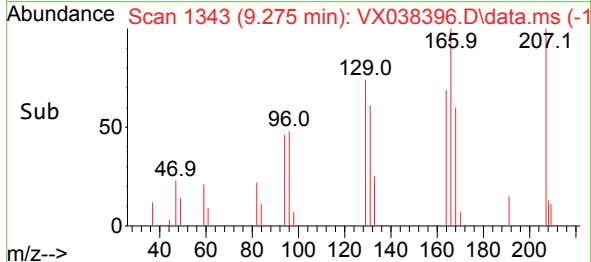
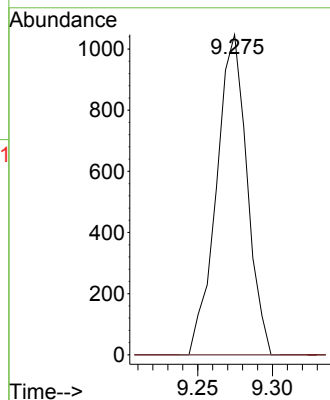
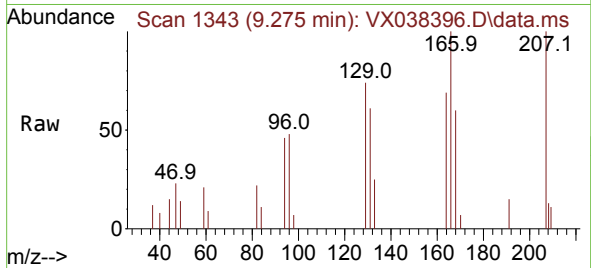




#60
Dibromochloromethane
Concen: 0.894 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

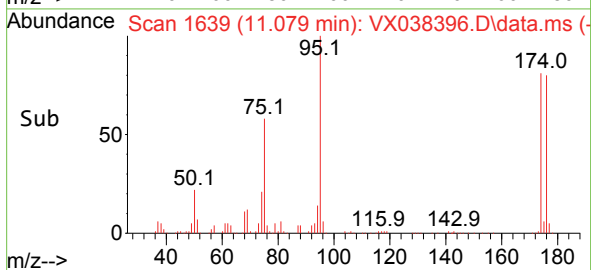
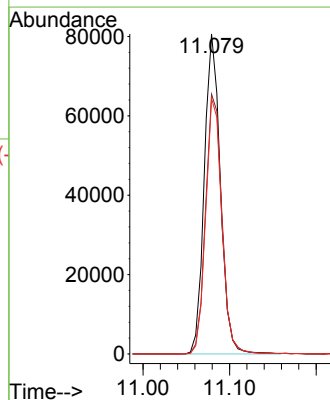
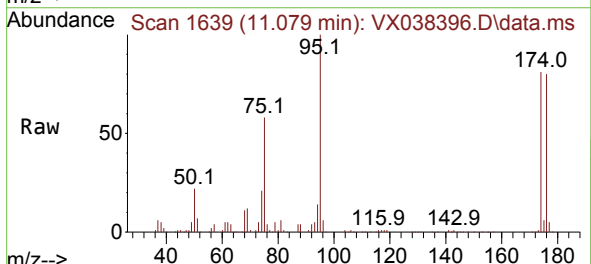
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

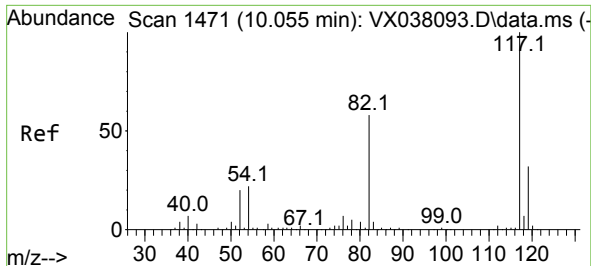
Tgt Ion:129 Resp: 1490
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.238 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion: 95 Resp: 103839
Ion Ratio Lower Upper
95 100
174 83.1 0.0 135.6
176 80.5 0.0 131.0

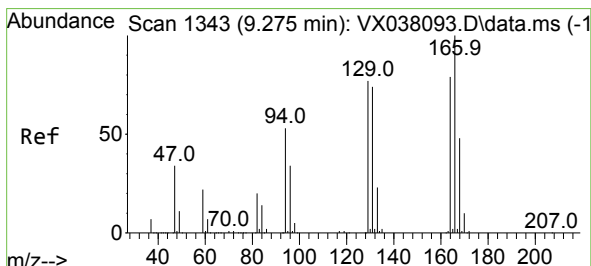
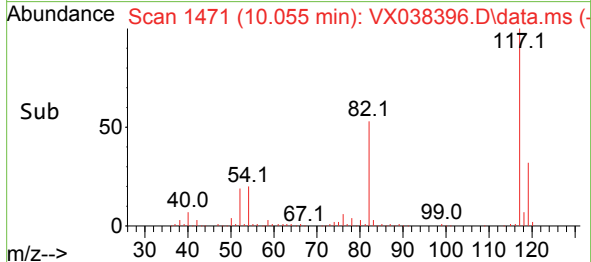
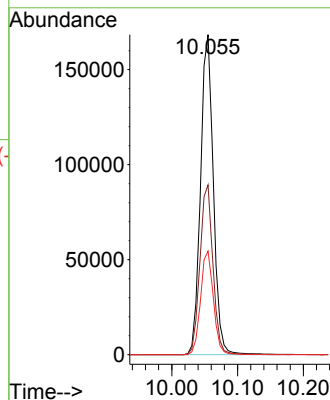
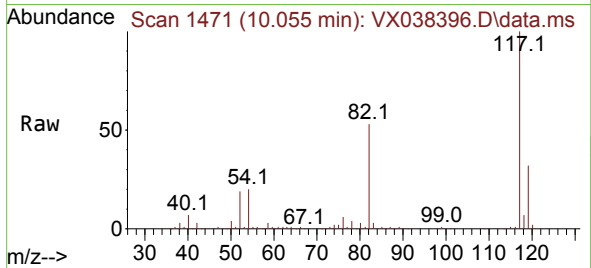




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

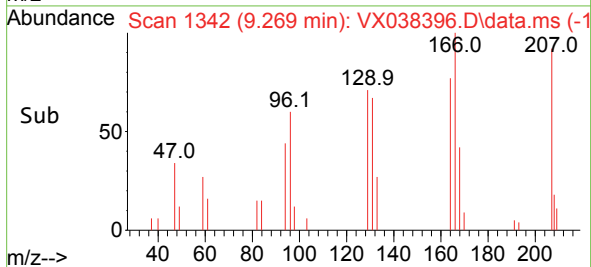
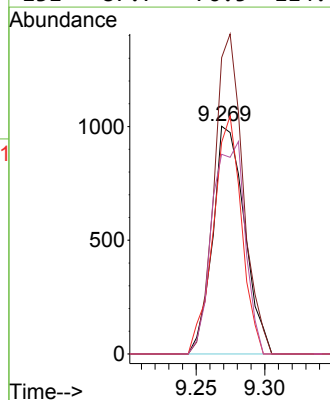
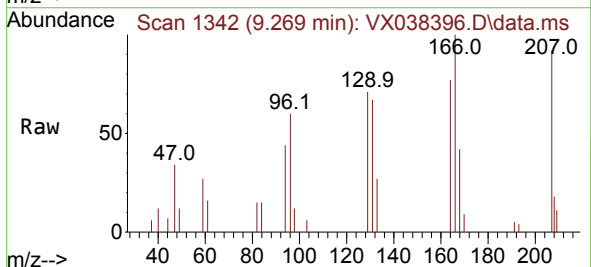
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

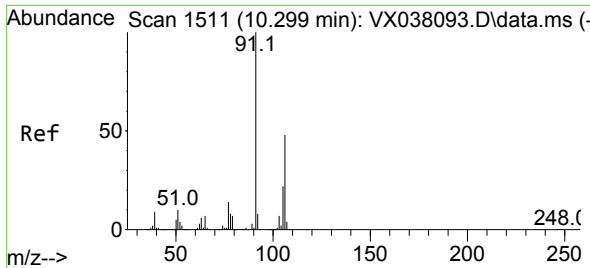
Tgt Ion:117 Resp: 228034
Ion Ratio Lower Upper
117 100
82 53.0 46.2 69.4
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 1.095 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion:164 Resp: 1616
Ion Ratio Lower Upper
164 100
166 130.2 102.7 154.1
129 93.0 80.4 120.6
131 87.7 76.5 114.7

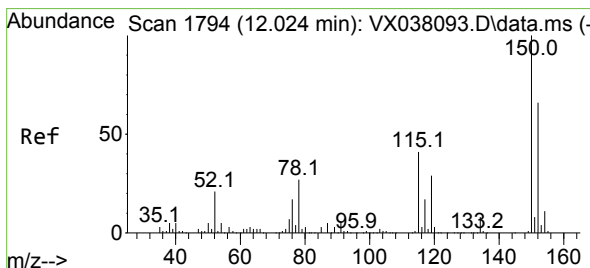
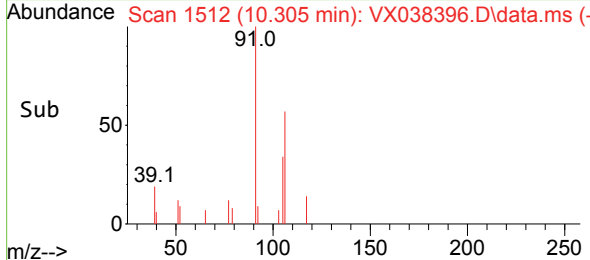
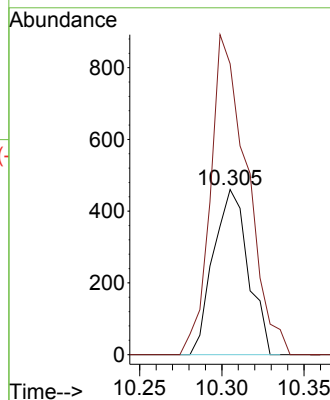
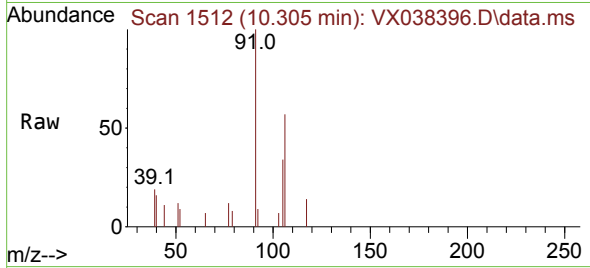




#68
m/p-Xylenes
Concen: 0.206 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

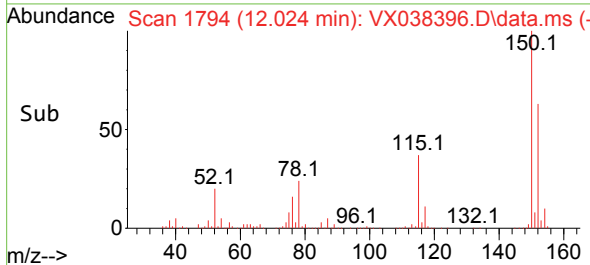
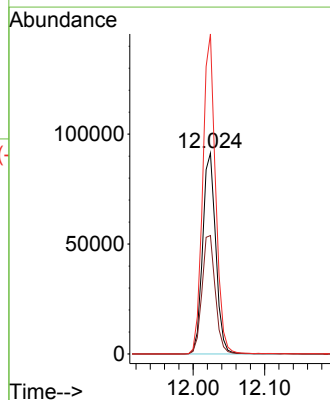
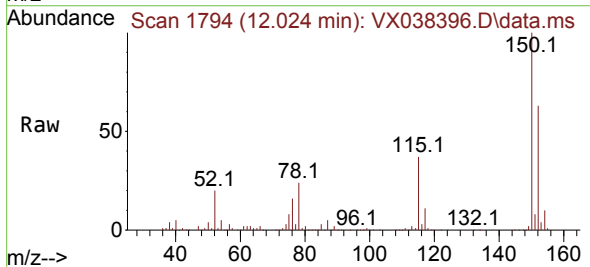
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

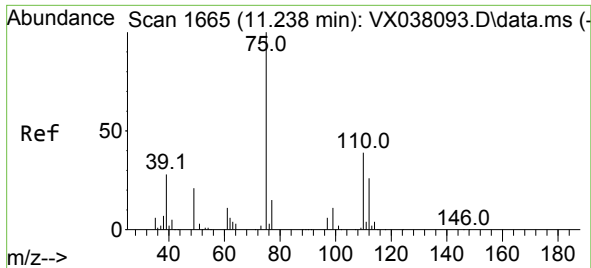
Tgt Ion:106 Resp: 679
Ion Ratio Lower Upper
106 100
91 202.9 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

Tgt Ion:152 Resp: 116451
Ion Ratio Lower Upper
152 100
115 60.1 43.3 129.9
150 156.2 0.0 345.0

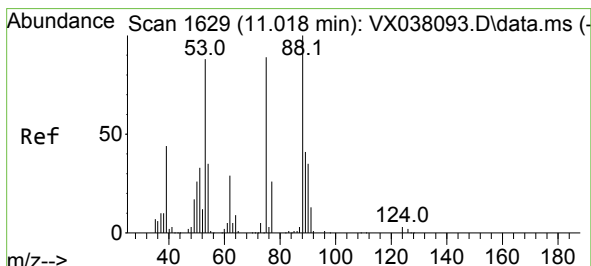
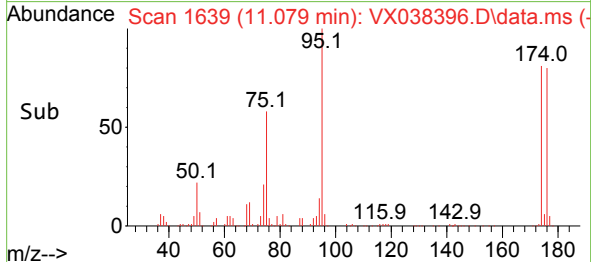
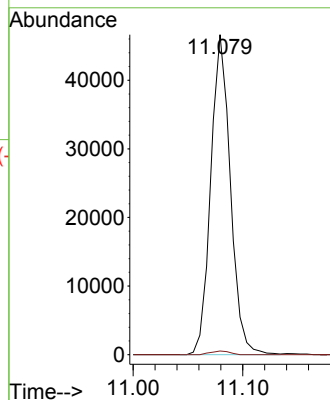
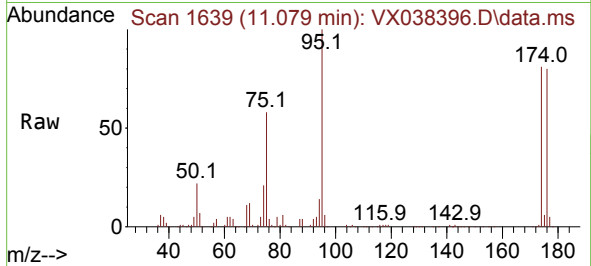




#76
1,2,3-Trichloropropane
Concen: 21.893 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

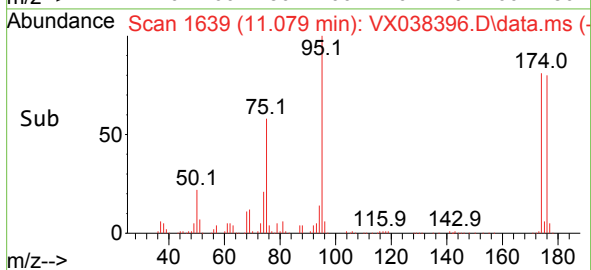
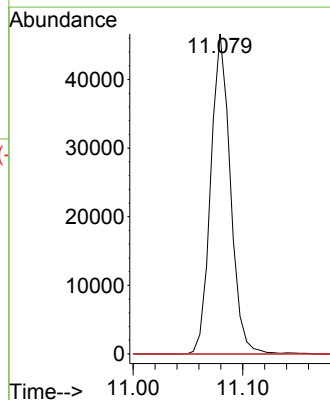
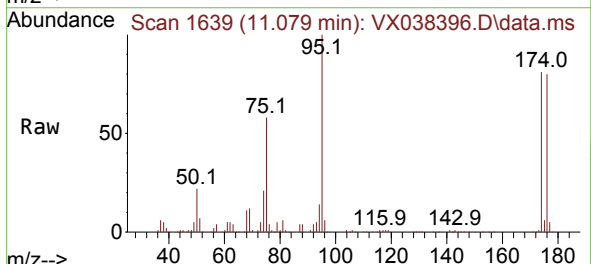
Instrument :
MSVOA_X
ClientSampleId :
GW-21-10-13

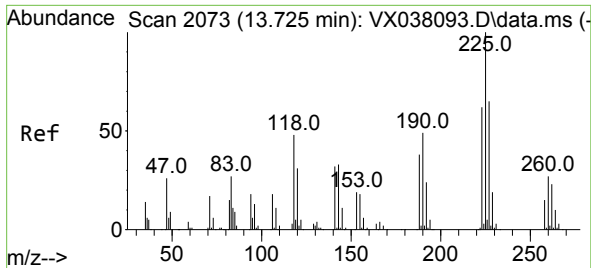
Tgt Ion: 75 Resp: 57959
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.803 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038396.D
Acq: 20 Oct 2023 12:47

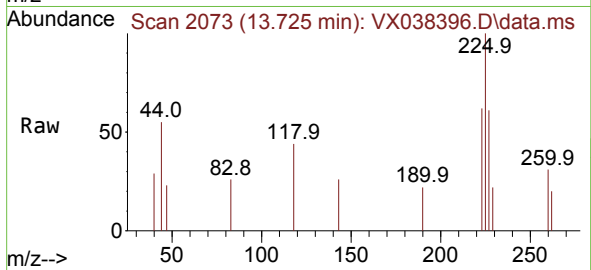
Tgt Ion: 75 Resp: 57959
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#94
 Hexachlorobutadiene
 Concen: 0.307 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX038396.D
 Acq: 20 Oct 2023 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-21-10-13



Tgt Ion:	225	Resp:	305
Ion	Ratio	Lower	Upper
225	100		
223	57.0	31.1	93.2
227	48.5	32.5	97.5

