

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070721\
 Data File : VX023179.D
 Acq On : 07 Jul 2021 17:49
 Operator : JC/MD
 Sample : M2953-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR1-070621

Quant Time: Jul 08 03:22:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	222284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	363208	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	320807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136166	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	153452	51.365	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.720%	
35) Dibromofluoromethane	5.397	113	117167	49.955	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.920%	
50) Toluene-d8	8.653	98	428095	48.930	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.860%	
62) 4-Bromofluorobenzene	11.085	95	156207	46.248	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.500%	

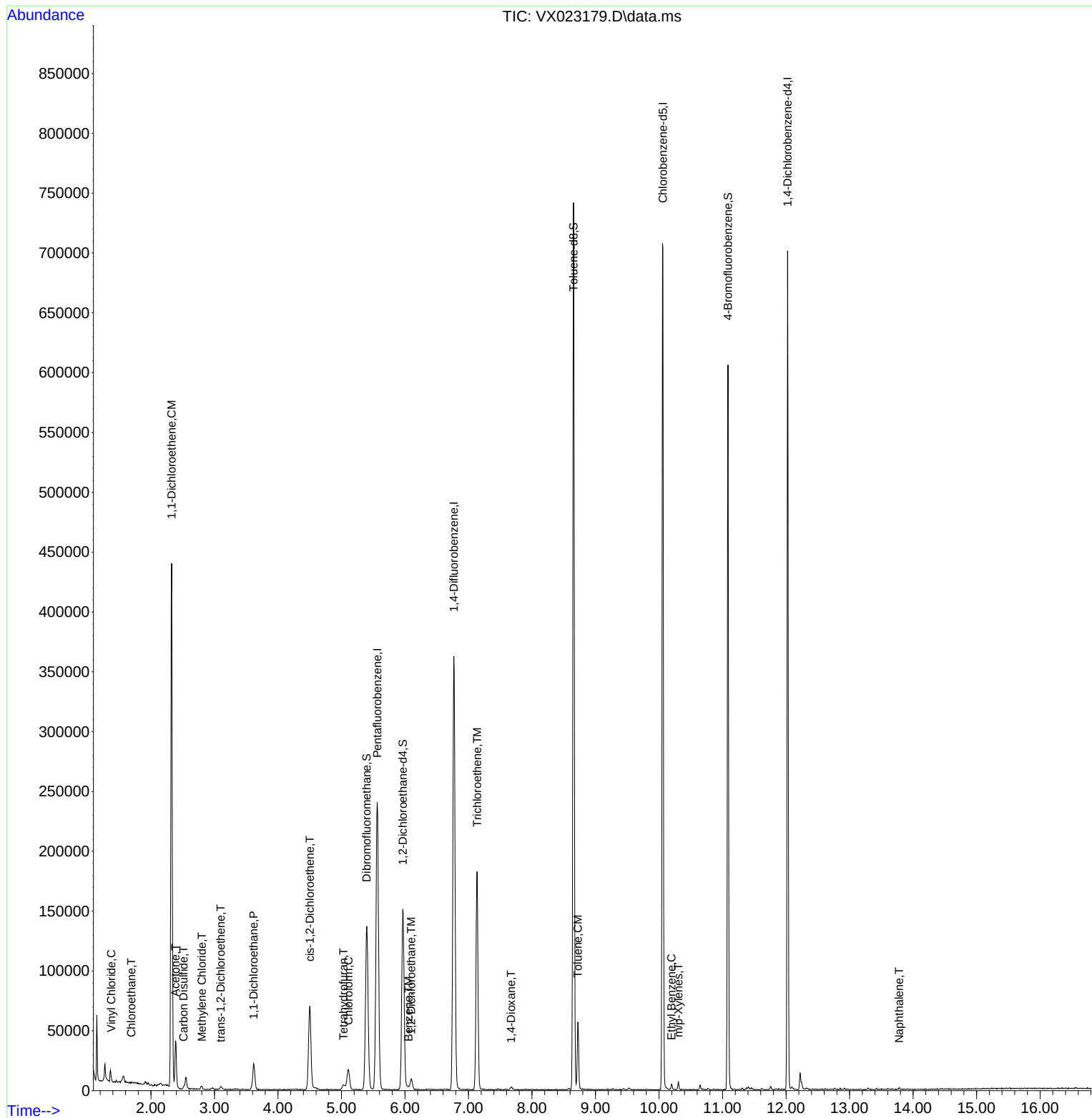
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	877	0.415	ug/l #	81
6) Chloroethane	1.691	64	743	0.538	ug/l #	68
12) 1,1-Dichloroethene	2.325	96	139877	70.593	ug/l	96
16) Acetone	2.386	43	42043	35.571	ug/l	93
17) Carbon Disulfide	2.514	76	2541	0.608	ug/l #	88
20) Methylene Chloride	2.800	84	1249	0.491	ug/l	95
21) trans-1,2-Dichloroethene	3.099	96	967	0.452	ug/l	95
24) 1,1-Dichloroethane	3.617	63	23029	5.615	ug/l	95
27) cis-1,2-Dichloroethene	4.501	96	43189	16.662	ug/l	92
29) Tetrahydrofuran	5.031	42	3958	3.455	ug/l #	86
30) Chloroform	5.111	83	20184	4.556	ug/l	89
40) Benzene	6.056	78	2661	0.283	ug/l #	74
42) 1,2-Dichloroethane	6.098	62	9279	2.456	ug/l	95
44) Trichloroethene	7.135	130	69277	25.978	ug/l	99
49) 1,4-Dioxane	7.671	88	1692	26.078	ug/l #	92
52) Toluene	8.720	92	20650	3.394	ug/l	98
67) Ethyl Benzene	10.195	91	2770	0.247	ug/l #	87
68) m/p-Xylenes	10.305	106	1436	0.336	ug/l	95
95) Naphthalene	13.780	128	1184	1.389	ug/l #	93

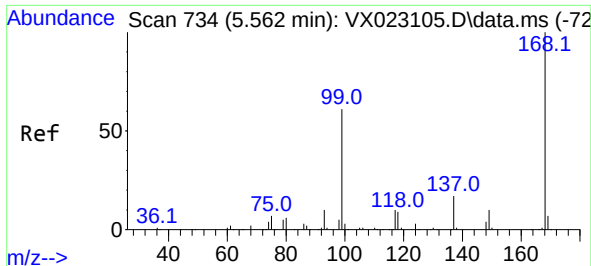
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 02 14:29:42 2021
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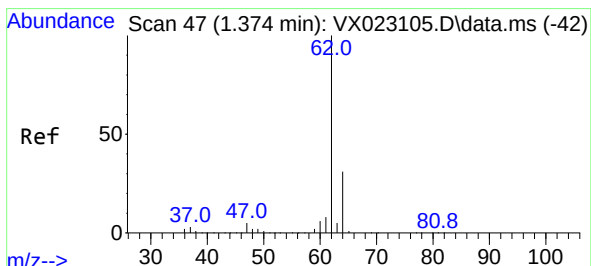
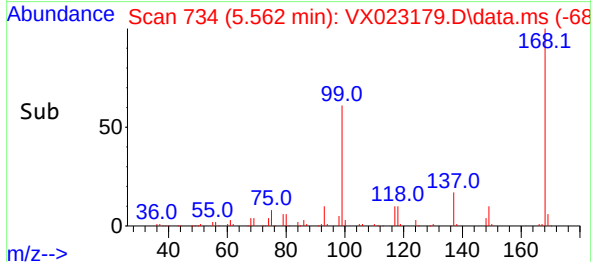
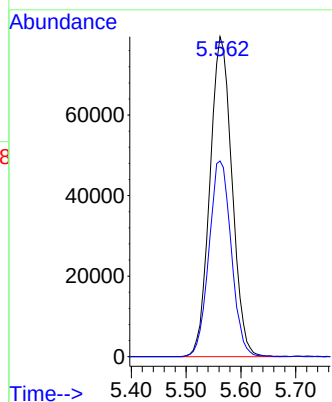
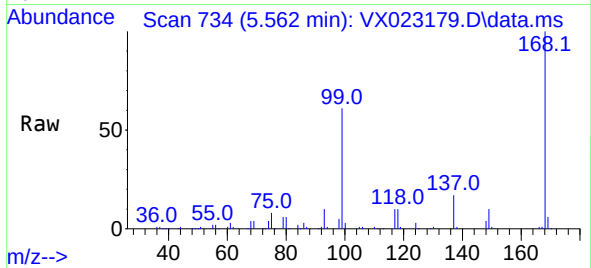




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

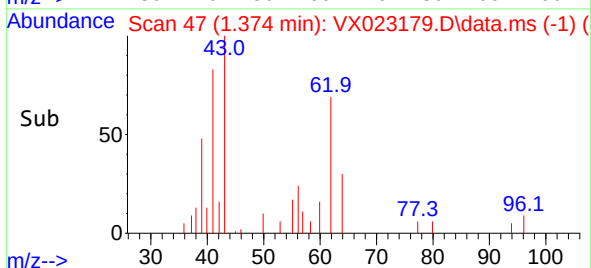
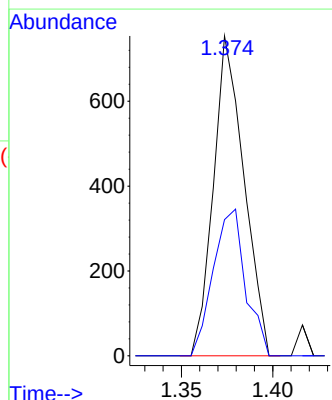
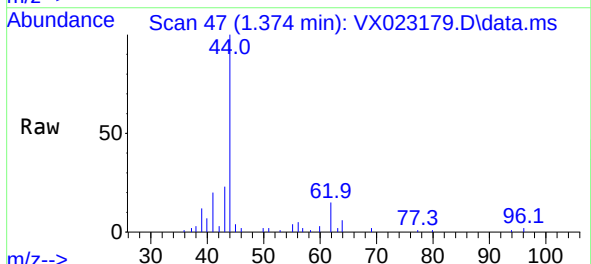
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

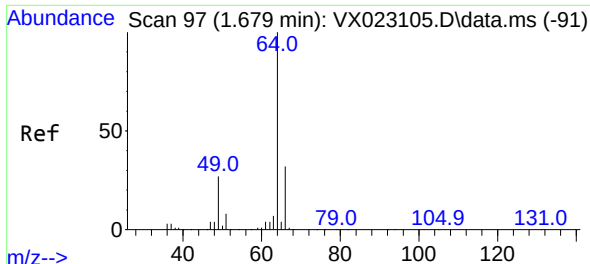
Tgt Ion:168 Resp: 222284
Ion Ratio Lower Upper
168 100
99 61.2 45.8 68.6



#4
Vinyl Chloride
Concen: 0.415 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 62 Resp: 877
Ion Ratio Lower Upper
62 100
64 42.6 25.7 38.5#

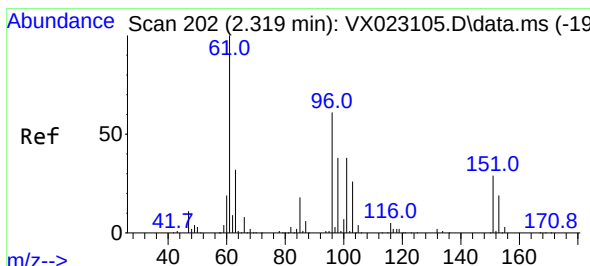
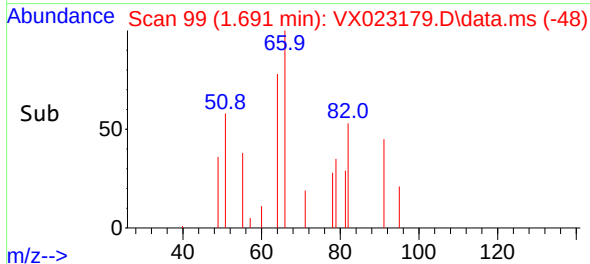
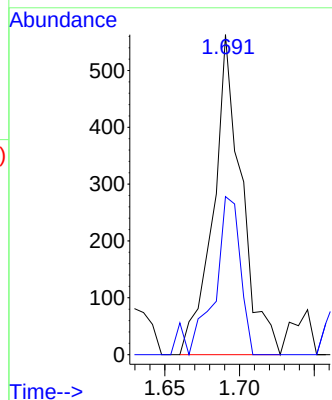
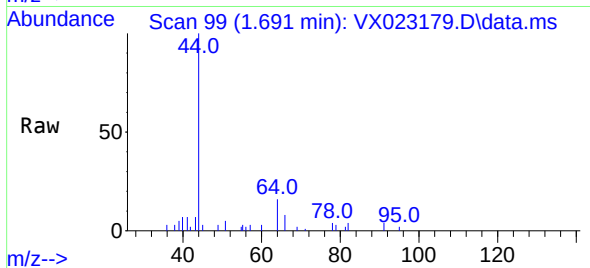




#6
Chloroethane
Concen: 0.538 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

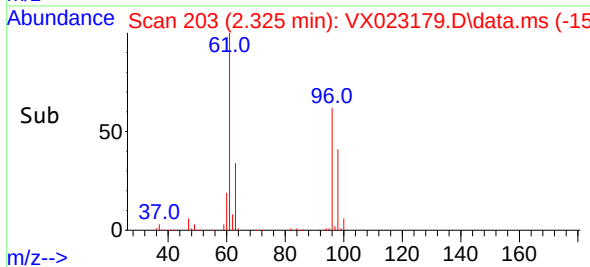
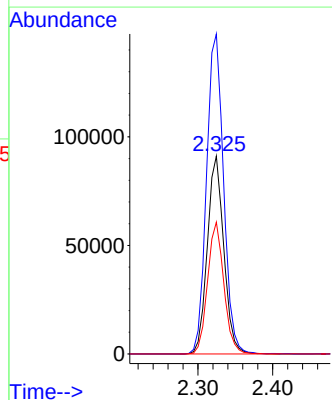
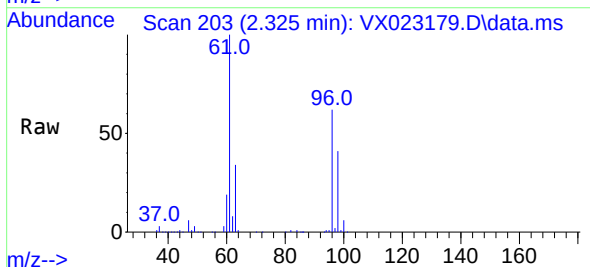
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

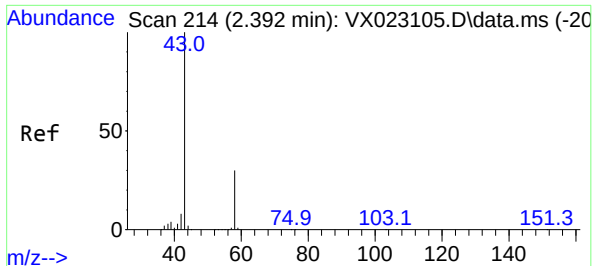
Tgt Ion: 64 Resp: 743
Ion Ratio Lower Upper
64 100
66 49.4 25.4 38.0#



#12
1,1-Dichloroethene
Concen: 70.593 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 96 Resp: 139877
Ion Ratio Lower Upper
96 100
61 161.6 124.6 187.0
98 66.6 50.6 76.0

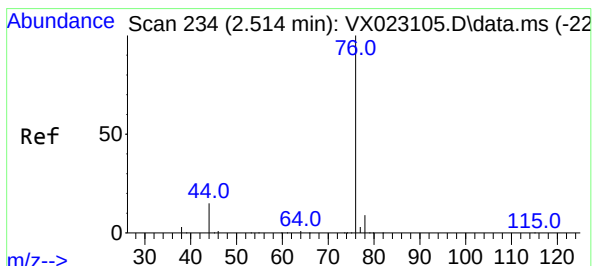
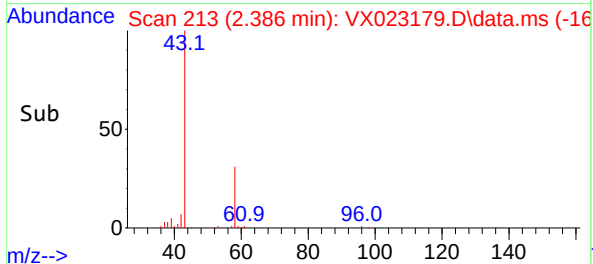
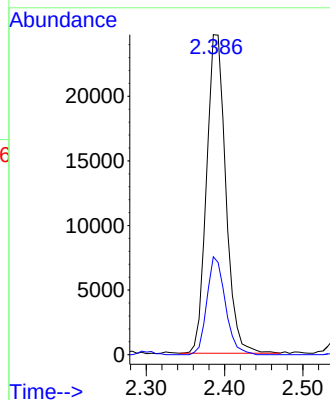
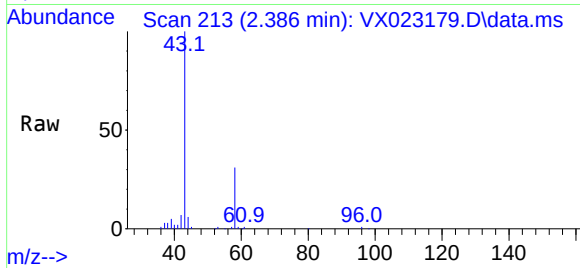




#16
Acetone
Concen: 35.571 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

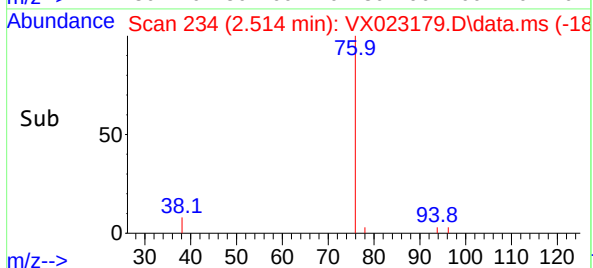
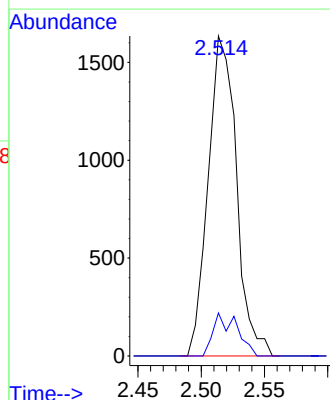
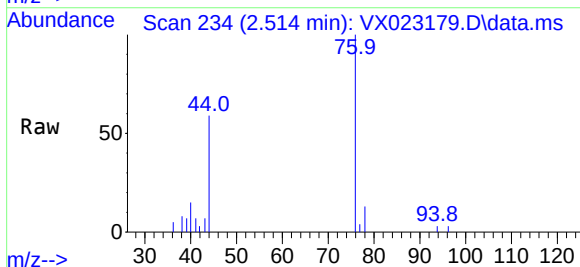
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

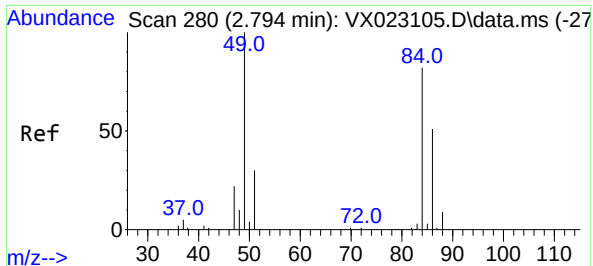
Tgt Ion: 43 Resp: 42043
Ion Ratio Lower Upper
43 100
58 30.8 27.8 41.8



#17
Carbon Disulfide
Concen: 0.608 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 76 Resp: 2541
Ion Ratio Lower Upper
76 100
78 13.5 7.2 10.8#



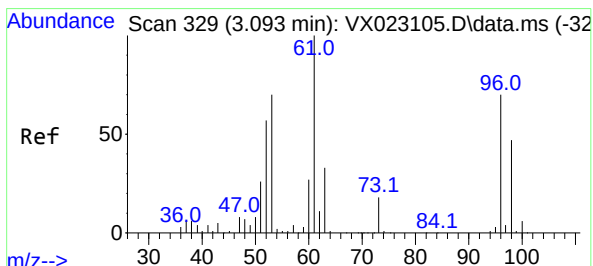
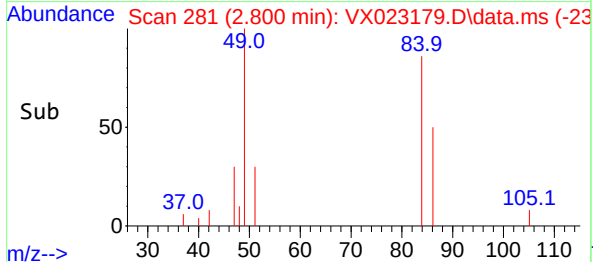
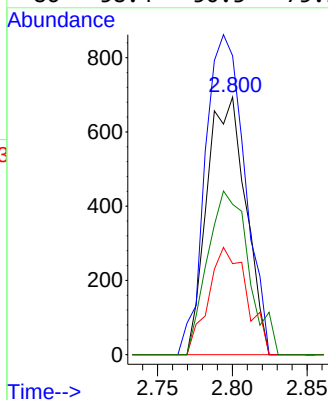
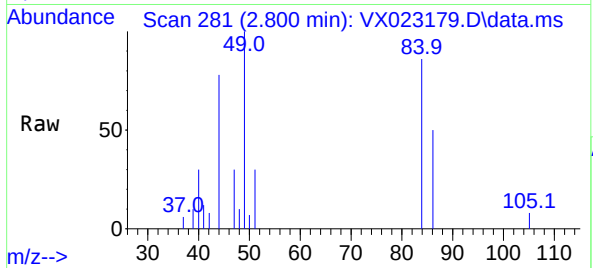


#20
Methylene Chloride
Concen: 0.491 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

Tgt Ion: 84 Resp: 1249

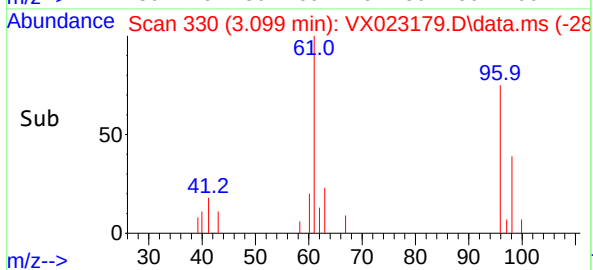
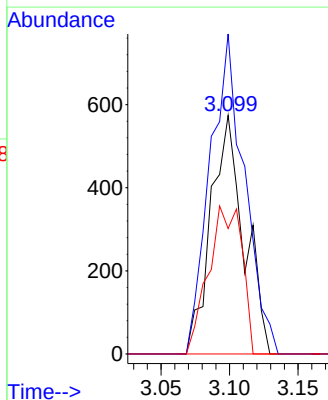
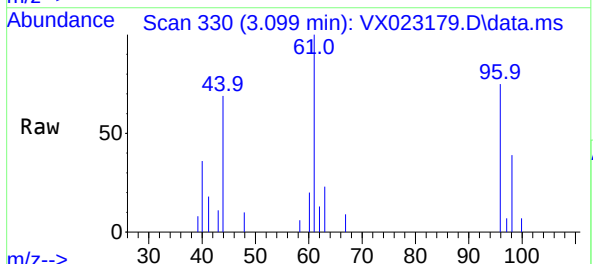
Ion	Ratio	Lower	Upper
84	100		
49	116.0	88.6	132.8
51	35.3	27.0	40.6
86	58.4	50.3	75.5

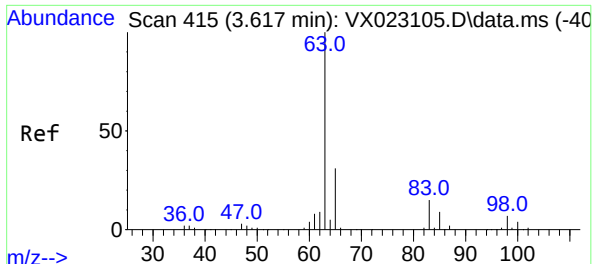


#21
trans-1,2-Dichloroethene
Concen: 0.452 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 96 Resp: 967

Ion	Ratio	Lower	Upper
96	100		
61	134.1	107.7	161.5
98	52.6	50.4	75.6

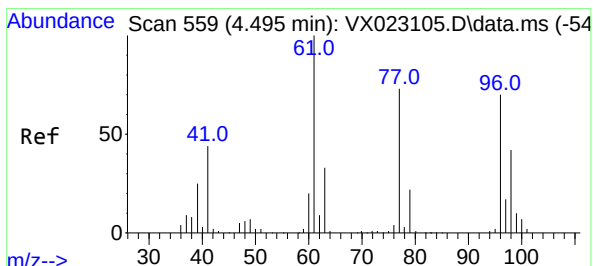
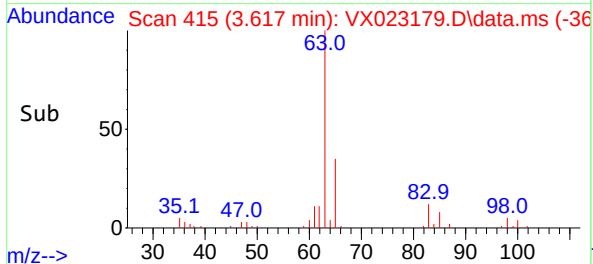
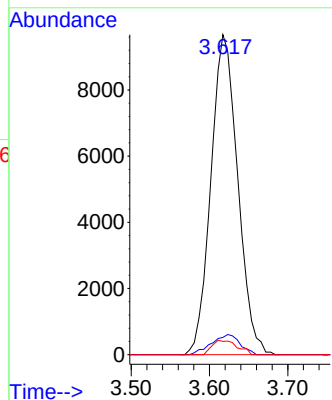
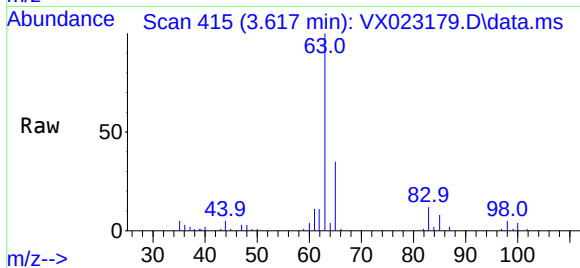




#24
1,1-Dichloroethane
Concen: 5.615 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

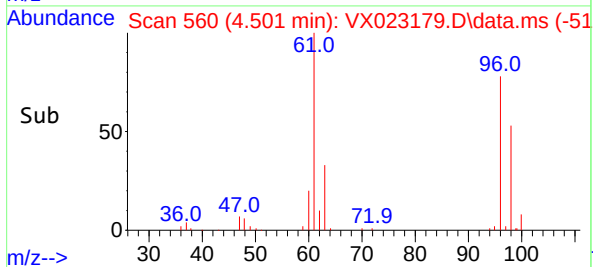
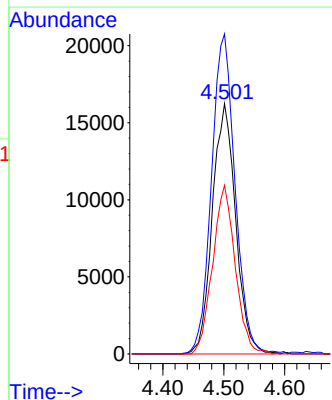
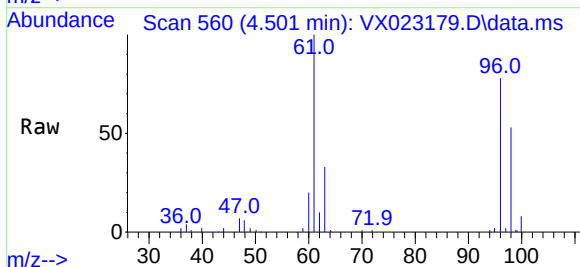
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

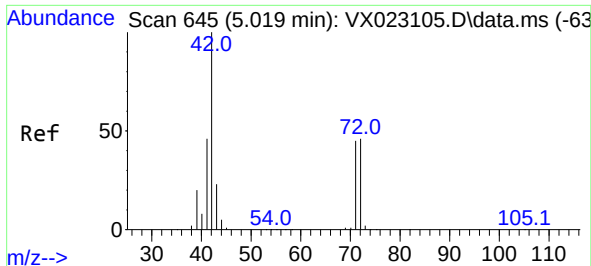
Tgt Ion: 63 Resp: 23029
Ion Ratio Lower Upper
63 100
98 5.4 3.8 11.2
100 4.2 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 16.662 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 96 Resp: 43189
Ion Ratio Lower Upper
96 100
61 129.4 0.0 285.6
98 65.4 0.0 129.6





#29

Tetrahydrofuran

Concen: 3.455 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.012 min

Lab File: VX023179.D

Acq: 07 Jul 2021 17:49

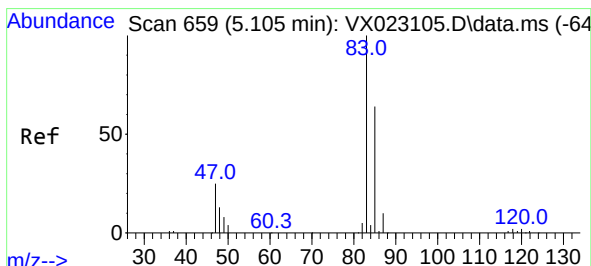
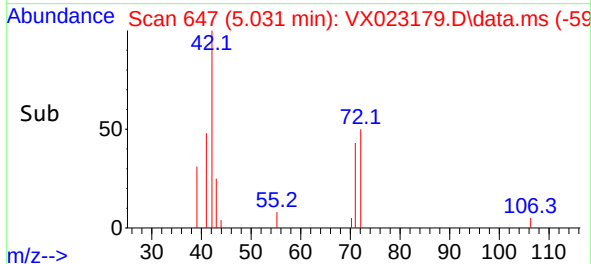
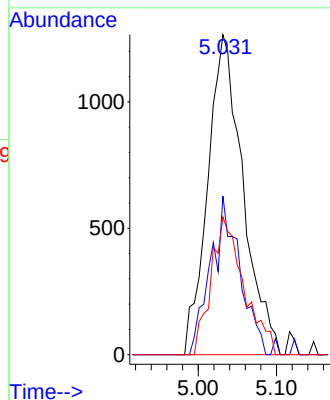
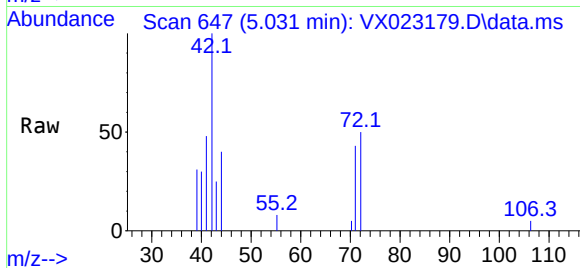
Instrument :

MSVOA_X

ClientSampleId :

GW-BR1-070621

Tgt Ion:	42	Resp:	3958
Ion	Ratio	Lower	Upper
42	100		
72	40.8	41.7	62.5#
71	39.8	38.4	57.6



#30

Chloroform

Concen: 4.556 ug/l

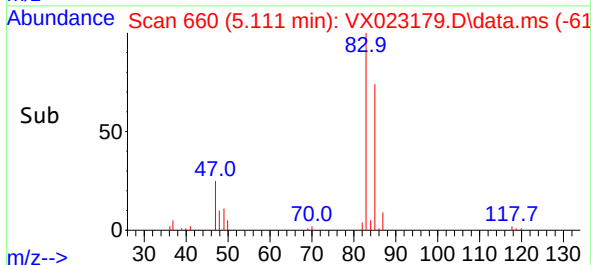
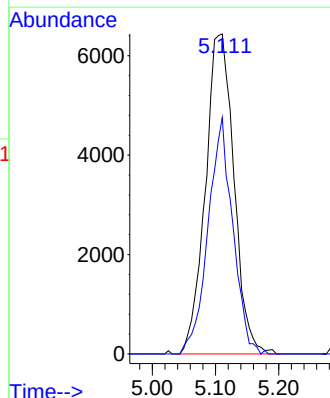
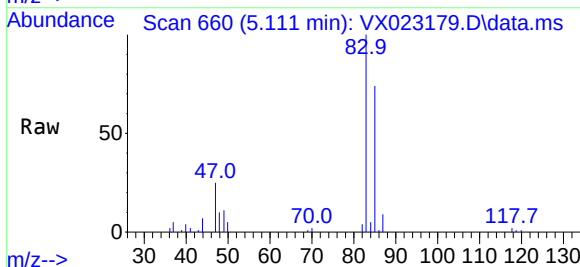
RT: 5.111 min Scan# 660

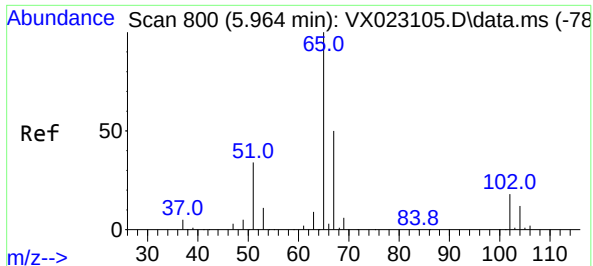
Delta R.T. 0.006 min

Lab File: VX023179.D

Acq: 07 Jul 2021 17:49

Tgt Ion:	83	Resp:	20184
Ion	Ratio	Lower	Upper
83	100		
85	73.8	52.0	78.0



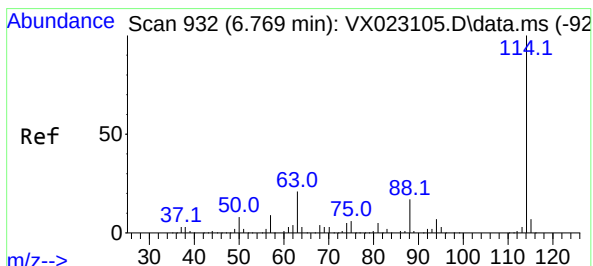
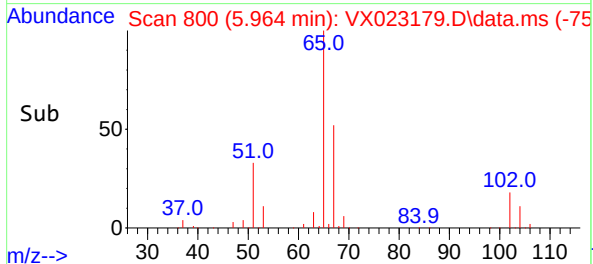
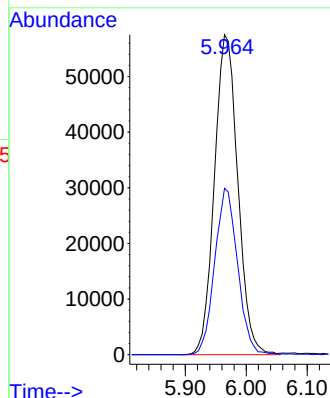
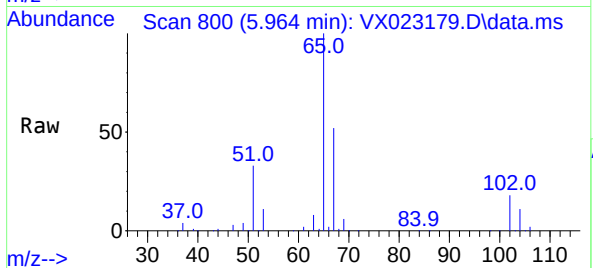


#33

1,2-Dichloroethane-d4
Concen: 51.365 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

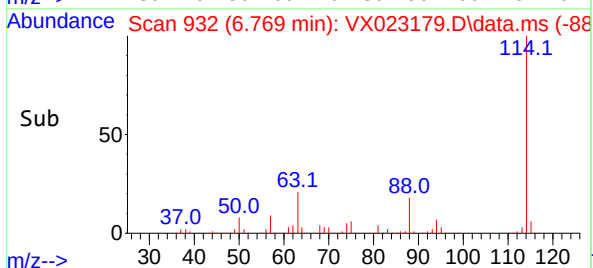
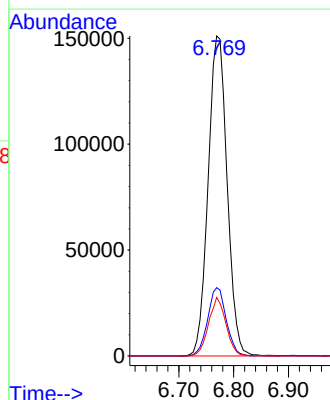
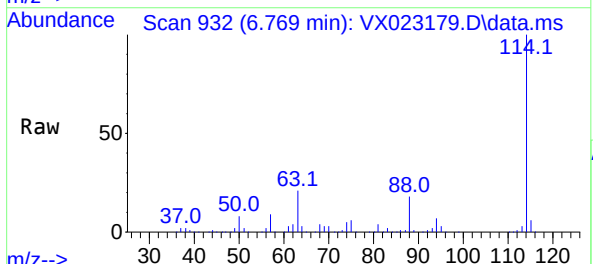
Tgt Ion: 65 Resp: 153452
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

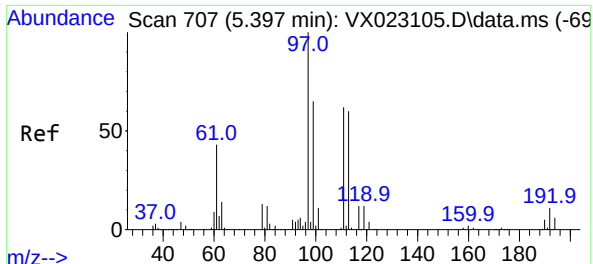


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 114 Resp: 363208
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 18.3 0.0 32.8

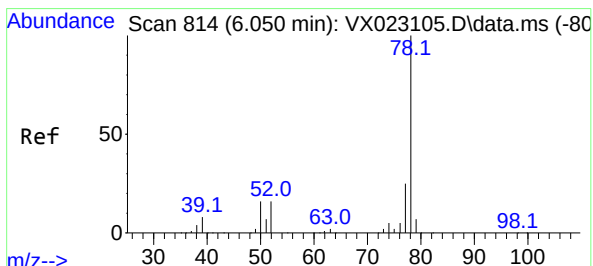
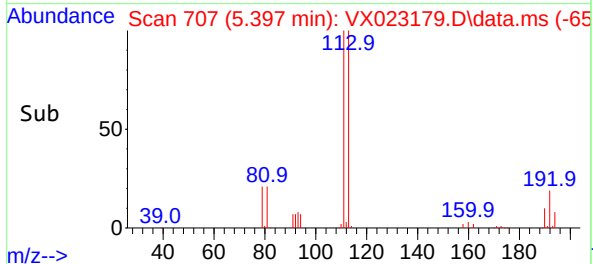
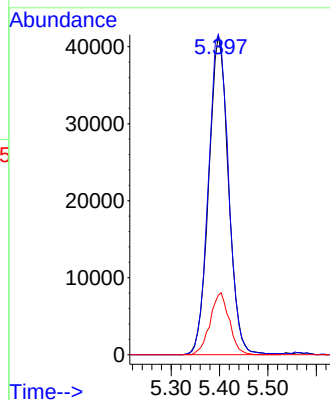
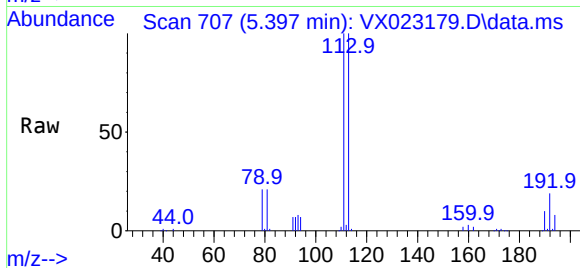




#35
Dibromofluoromethane
Concen: 49.955 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

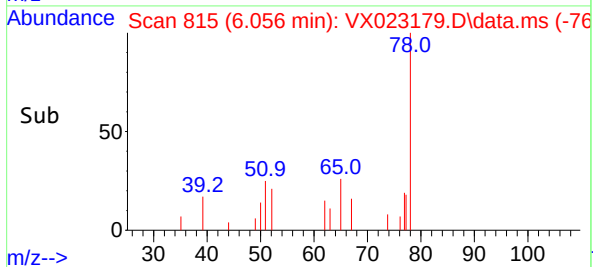
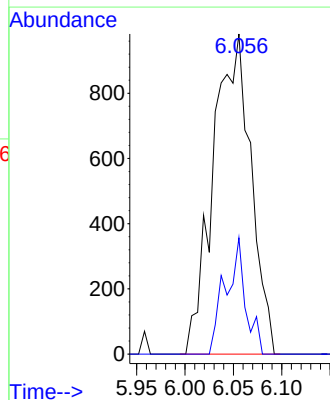
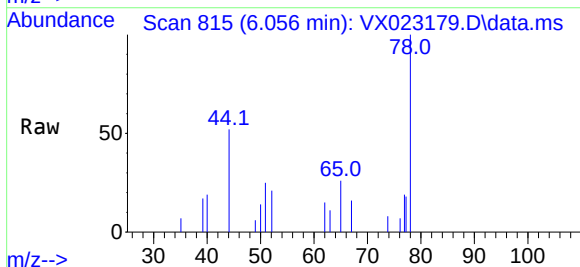
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

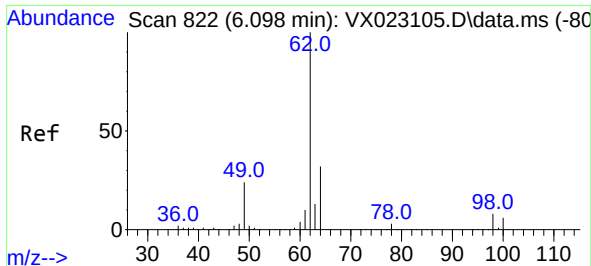
Tgt Ion:113 Resp: 117167
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 18.9 16.7 25.1



#40
Benzene
Concen: 0.283 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.006 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 78 Resp: 2661
Ion Ratio Lower Upper
78 100
77 36.4 18.9 28.3#





#42

1,2-Dichloroethane

Concen: 2.456 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.000 min

Lab File: VX023179.D

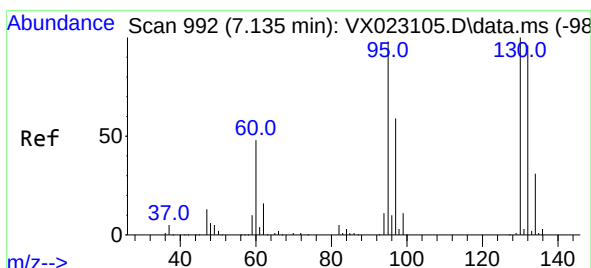
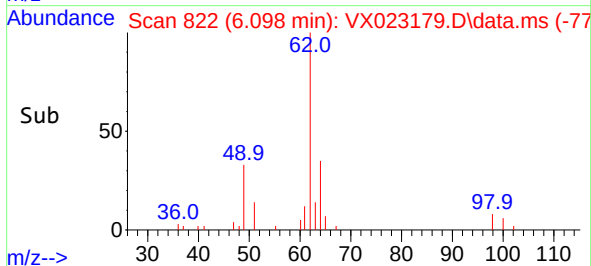
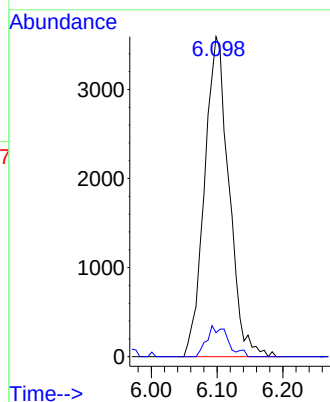
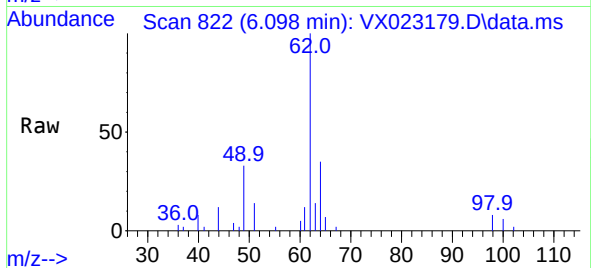
Acq: 07 Jul 2021 17:49

Tgt Ion: 62 Resp: 9279

Ion Ratio Lower Upper

62 100

98 8.3 0.0 20.2



#44

Trichloroethene

Concen: 25.978 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX023179.D

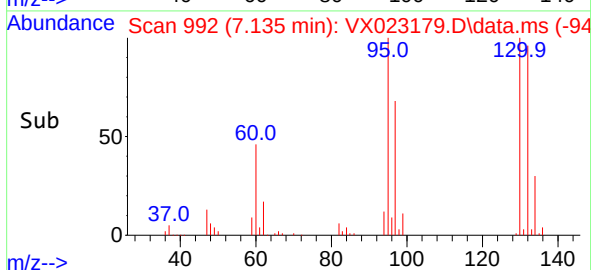
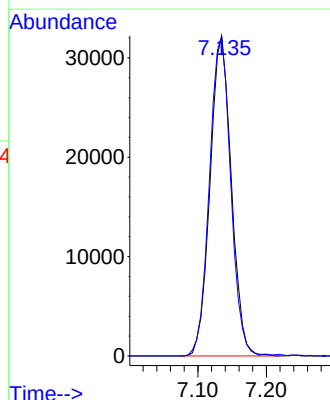
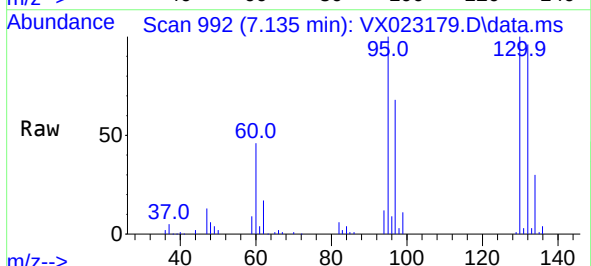
Acq: 07 Jul 2021 17:49

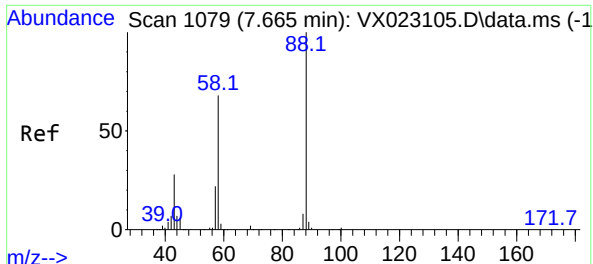
Tgt Ion:130 Resp: 69277

Ion Ratio Lower Upper

130 100

95 100.0 0.0 198.0

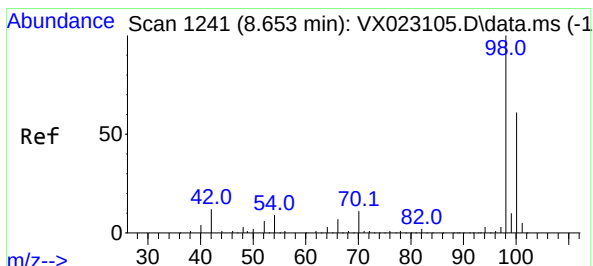
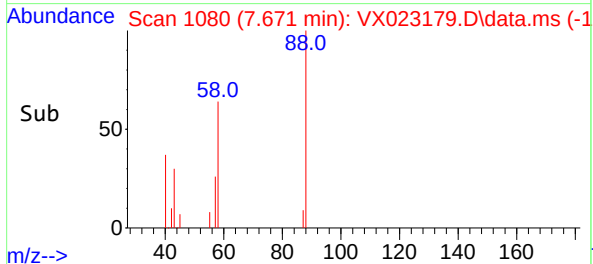
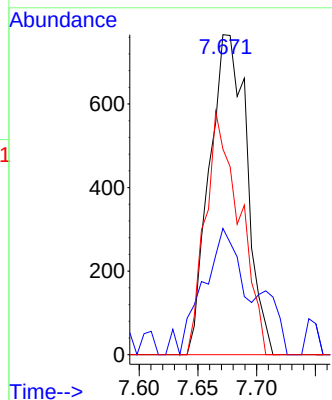
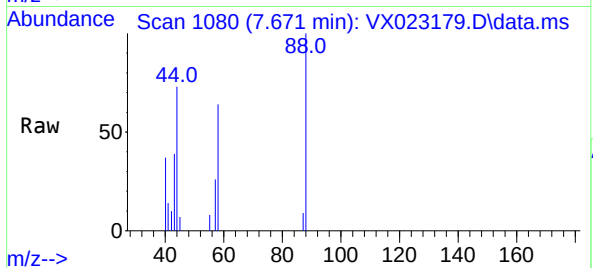




#49
1,4-Dioxane
Concen: 26.078 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

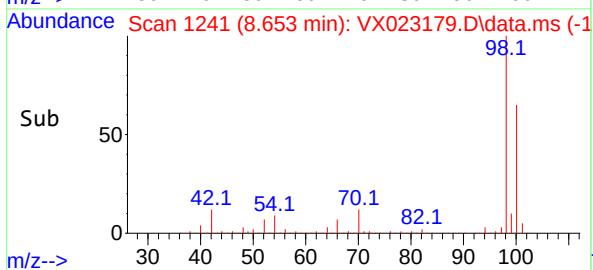
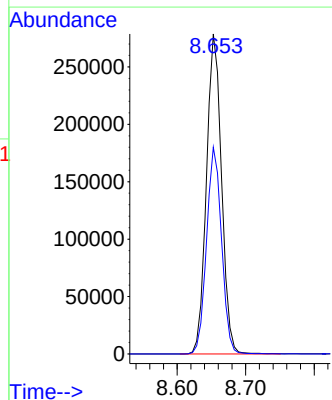
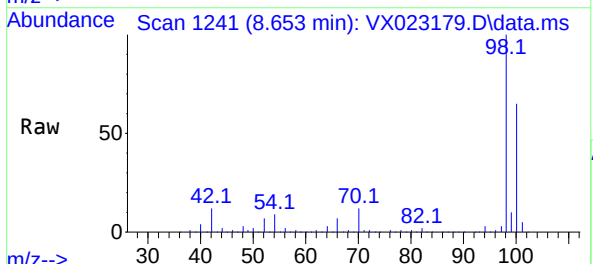
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

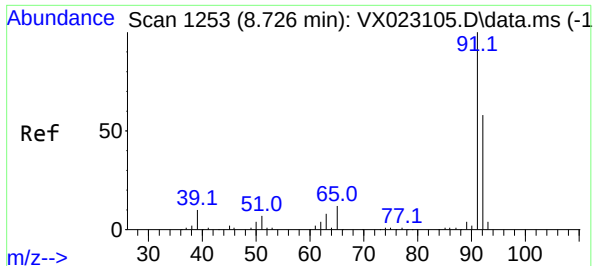
Tgt Ion: 88 Resp: 1692
Ion Ratio Lower Upper
88 100
43 41.4 23.2 34.8#
58 69.7 55.0 82.4



#50
Toluene-d8
Concen: 48.930 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 98 Resp: 428095
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

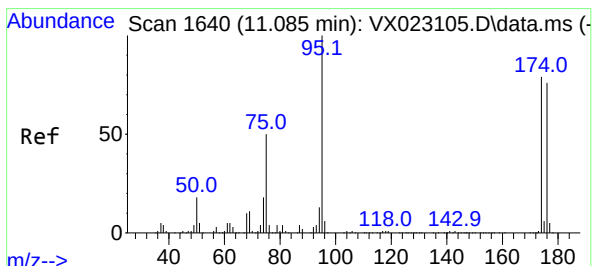
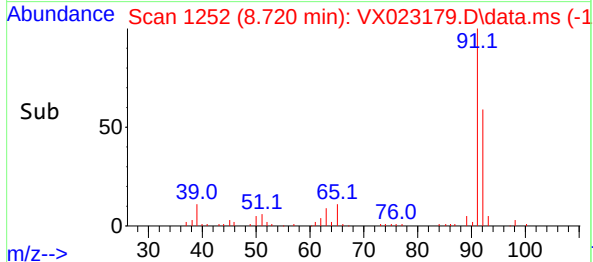
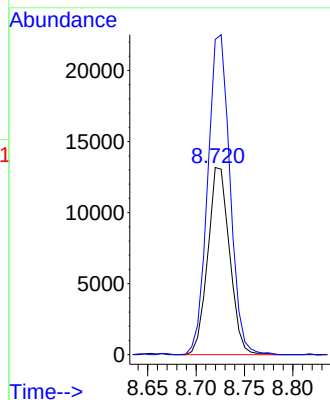
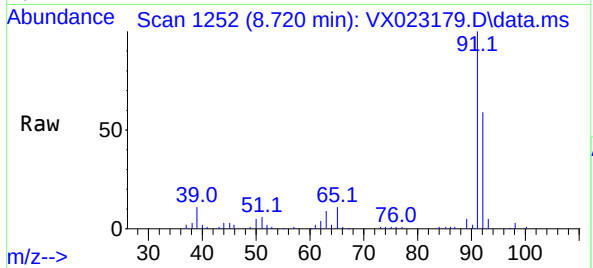




#52
Toluene
Concen: 3.394 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

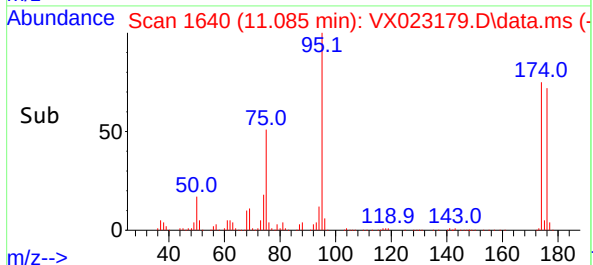
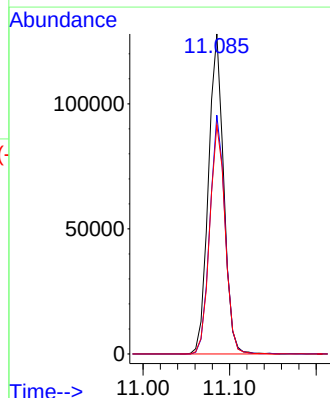
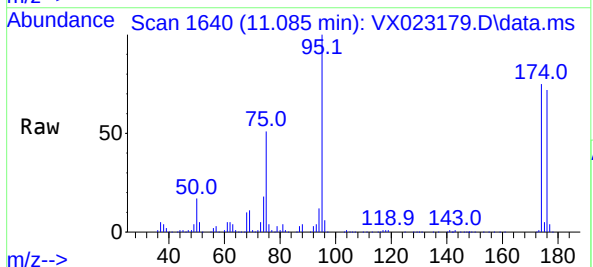
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

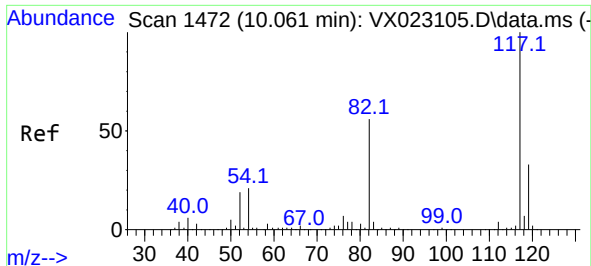
Tgt Ion: 92 Resp: 20650
Ion Ratio Lower Upper
92 100
91 174.8 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 46.248 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 95 Resp: 156207
Ion Ratio Lower Upper
95 100
174 74.4 0.0 154.6
176 72.7 0.0 155.8

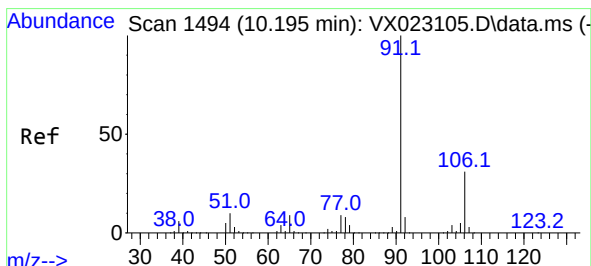
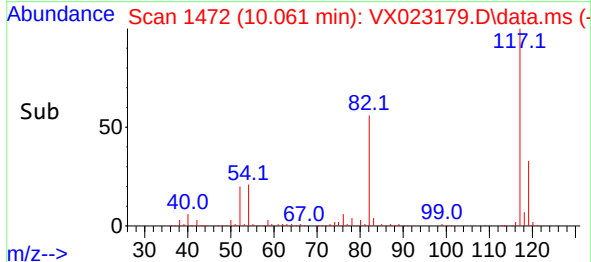
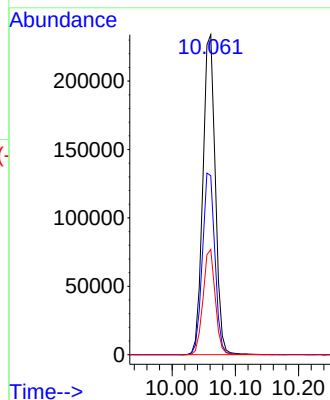
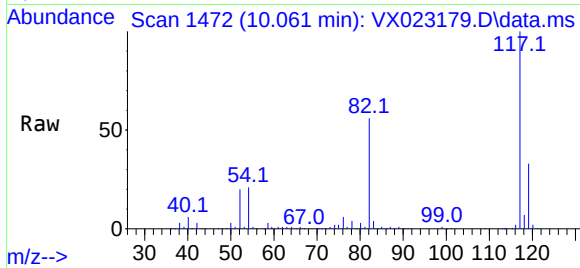




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

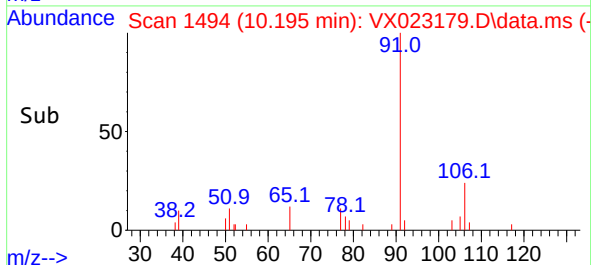
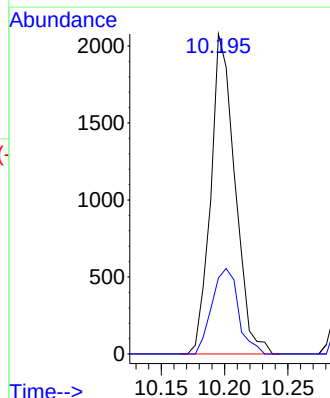
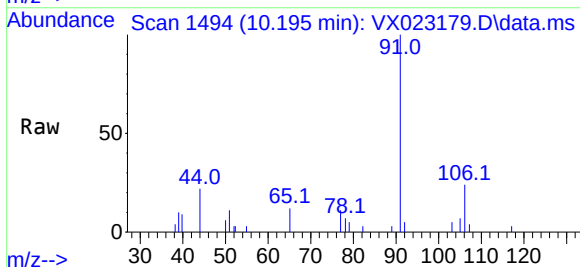
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

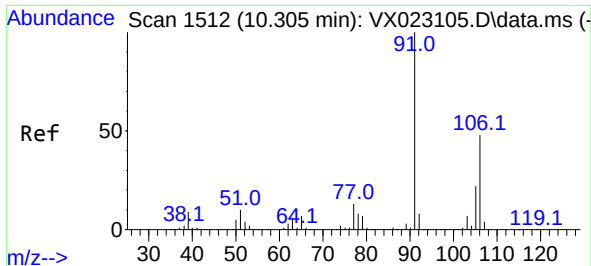
Tgt Ion:117 Resp: 320807
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 32.9 26.6 39.8



#67
Ethyl Benzene
Concen: 0.247 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion: 91 Resp: 2770
Ion Ratio Lower Upper
91 100
106 23.8 24.6 37.0#

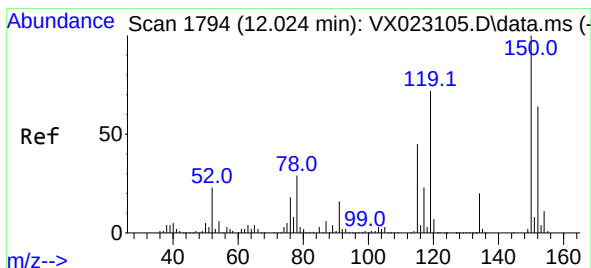
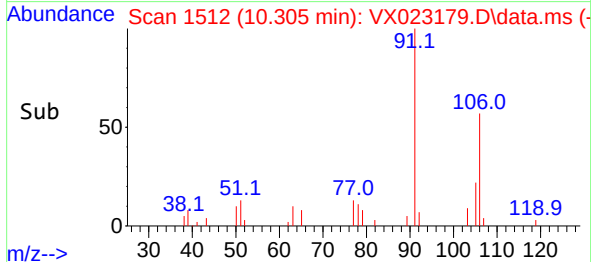
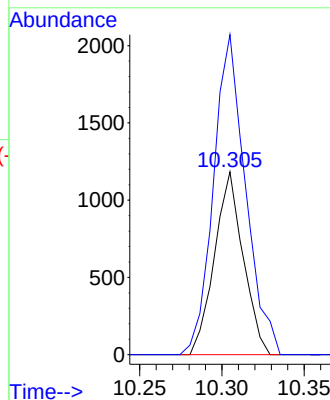
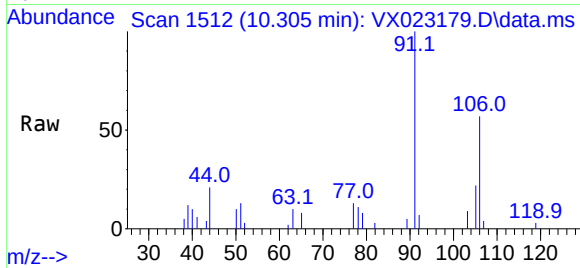




#68
m/p-Xylenes
Concen: 0.336 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

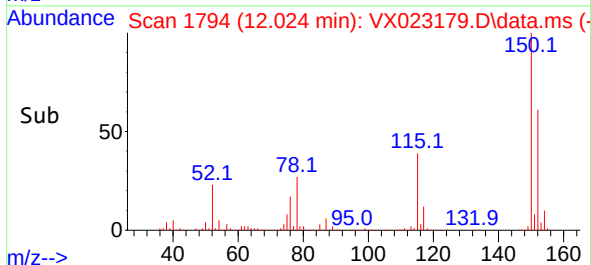
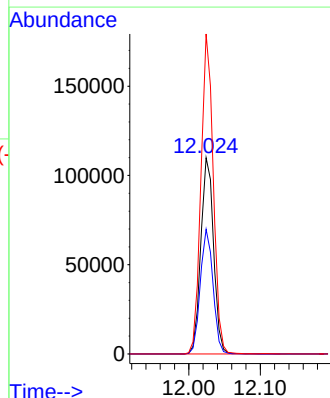
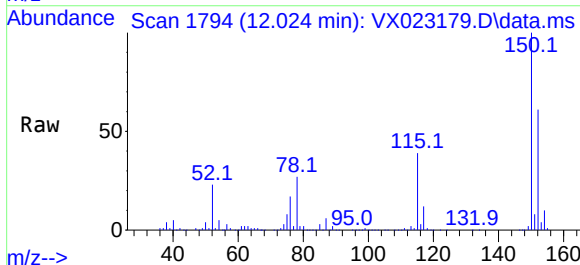
Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

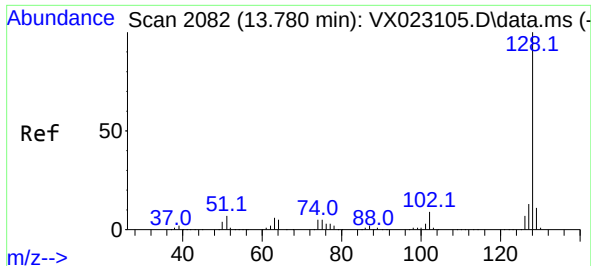
Tgt Ion:106 Resp: 1436
Ion Ratio Lower Upper
106 100
91 195.1 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Tgt Ion:152 Resp: 136166
Ion Ratio Lower Upper
152 100
115 63.3 41.1 123.3
150 157.6 0.0 349.0





#95
Naphthalene
Concen: 1.389 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023179.D
Acq: 07 Jul 2021 17:49

Instrument :
MSVOA_X
ClientSampleId :
GW-BR1-070621

Tgt Ion:128 Resp: 1184
Ion Ratio Lower Upper
128 100
127 15.0 10.3 15.5
129 7.3 8.8 13.2#

