

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120922\
 Data File : VX033353.D
 Acq On : 09 Dec 2022 17:22
 Operator : JC/MD
 Sample : N5966-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR-04-113-127-120822

Quant Time: Dec 10 05:57:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

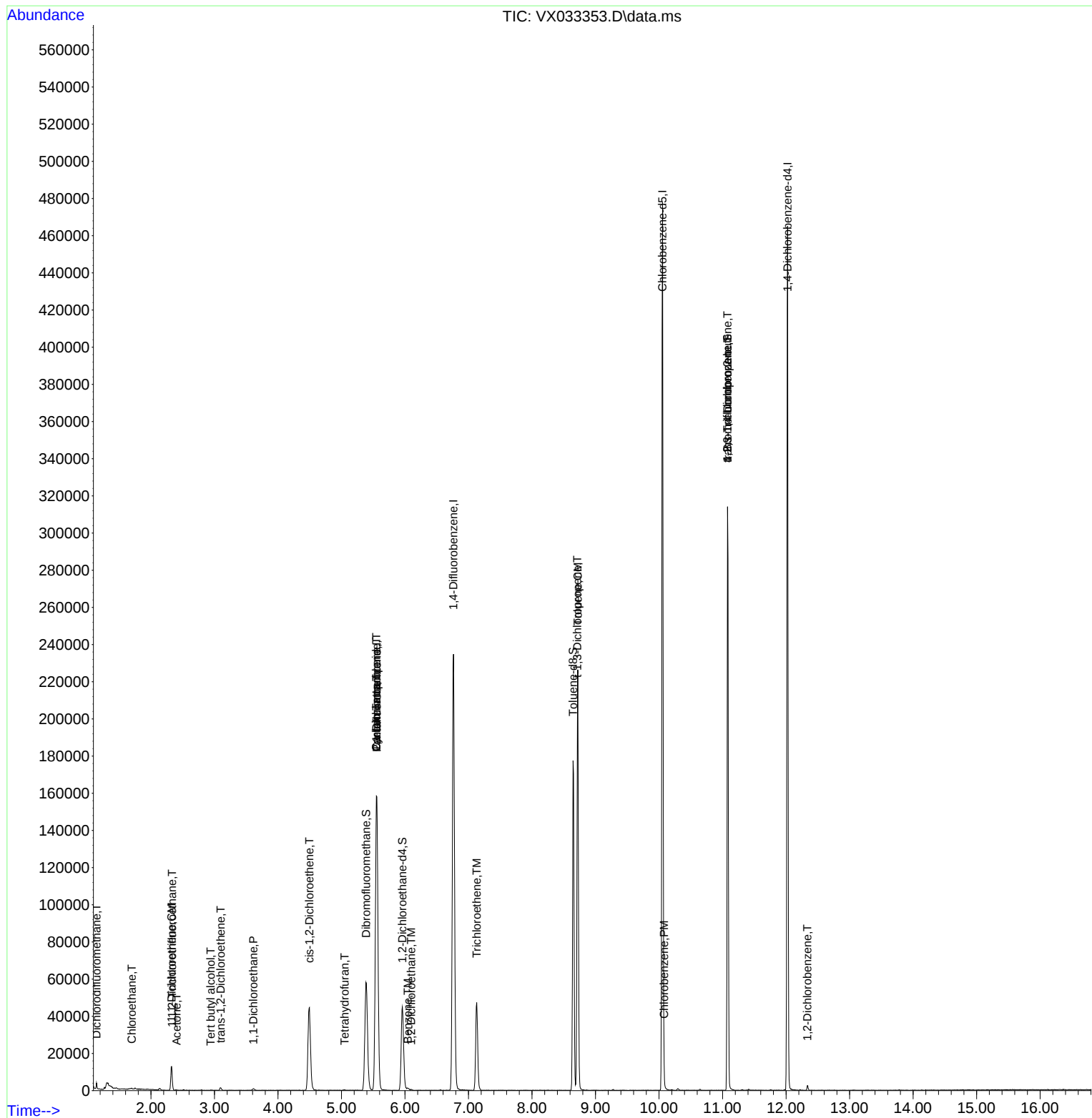
Internal Standards						
1) Pentafluorobenzene	5.556	168	155350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246019	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46798	46.956	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.920%		
35) Dibromofluoromethane	5.385	113	51890	46.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.780%		
50) Toluene-d8	8.647	98	110357	47.674	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.340%		
62) 4-Bromofluorobenzene	11.079	95	82981	46.883	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.142	85	251	0.231	ug/l #	44
6) Chloroethane	1.697	64	242	0.223	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	326	0.228	ug/l #	78
11) Tert butyl alcohol	2.940	59	74	0.243	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	4453	3.162	ug/l	91
16) Acetone	2.404	43	435	0.590	ug/l #	45
21) trans-1,2-Dichloroethene	3.099	96	671	0.436	ug/l	81
24) 1,1-Dichloroethane	3.611	63	1382	0.488	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	30066	16.329	ug/l	88
29) Tetrahydrofuran	5.050	42	281	0.410	ug/l #	56
31) Cyclohexane	5.550	56	3030	1.279	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	11169	5.177	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15786	6.531	ug/l #	16
40) Benzene	6.043	78	1410	0.224	ug/l	94
42) 1,2-Dichloroethane	6.098	62	589	0.236	ug/l #	77
44) Trichloroethene	7.129	130	19234	11.090	ug/l	98
52) Toluene	8.720	92	85580	21.043	ug/l	100
53) t-1,3-Dichloropropene	8.714	75	1007	2.878	ug/l #	1
65) Chlorobenzene	10.079	112	1070	0.246	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	42193	21.515	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	42193	66.926	ug/l #	6
91) 1,2-Dichlorobenzene	12.335	146	969	0.303	ug/l	97

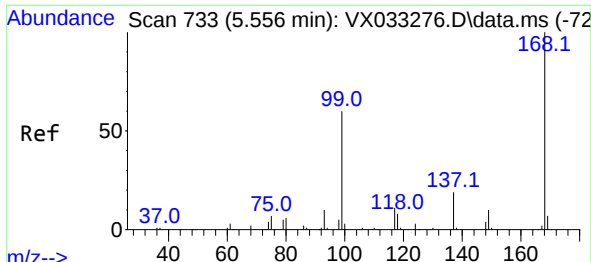
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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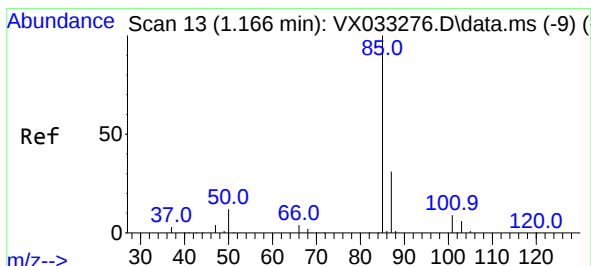
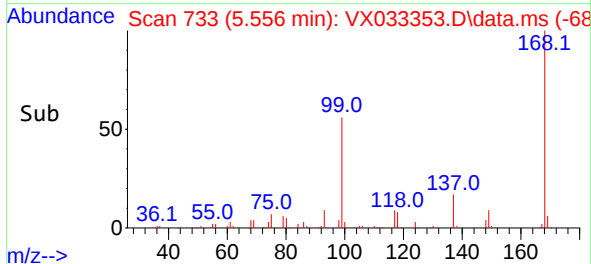
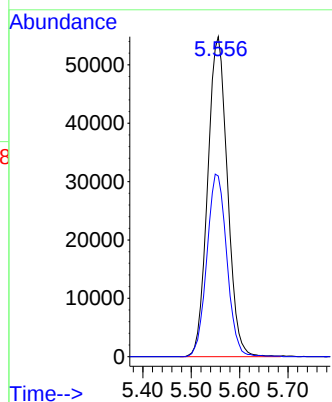
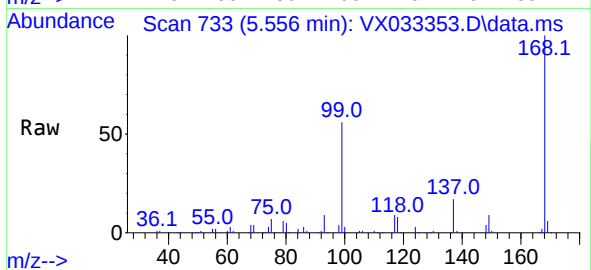




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

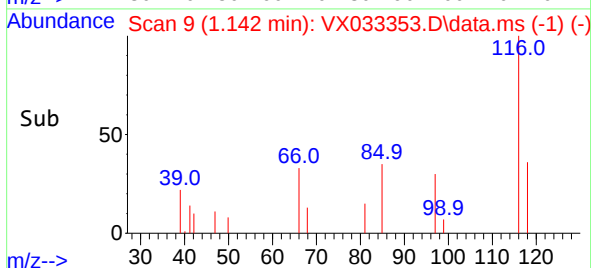
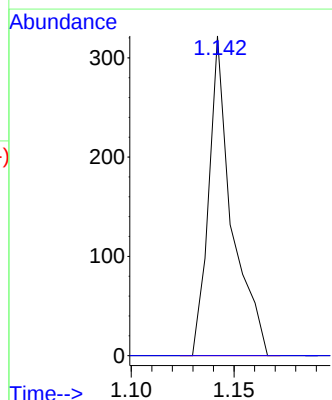
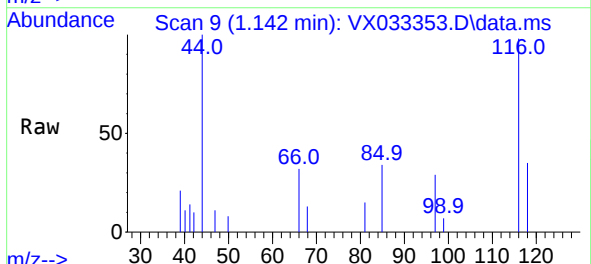
Instrument : MSVOA_X
ClientSampleId : GW-BR-04-113-127-120822

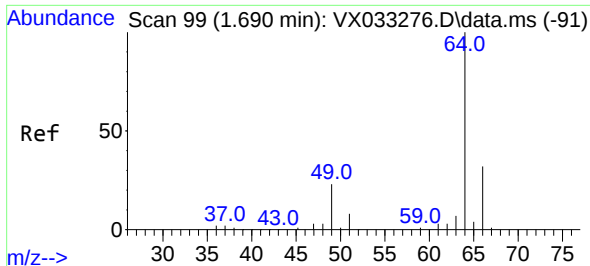
Tgt Ion:168 Resp: 155350
Ion Ratio Lower Upper
168 100
99 56.5 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.231 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion: 85 Resp: 251
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.7#

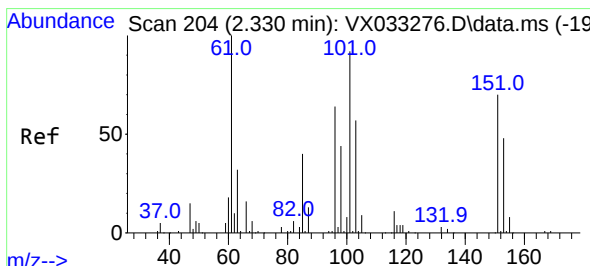
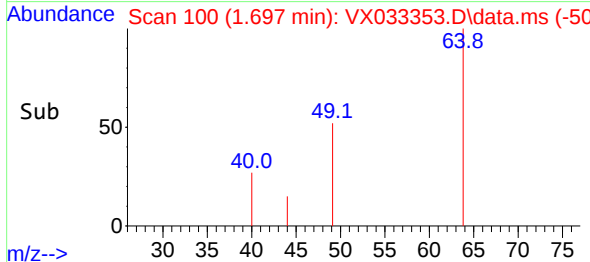
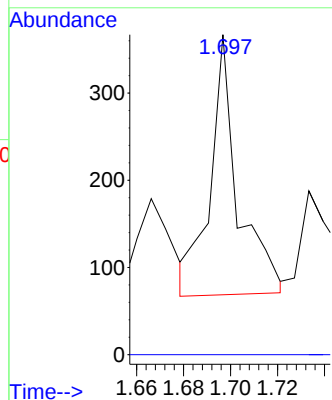
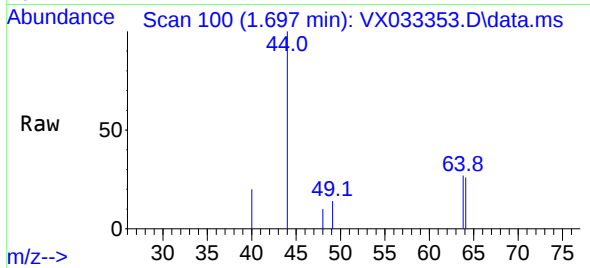




#6
Chloroethane
Concen: 0.223 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

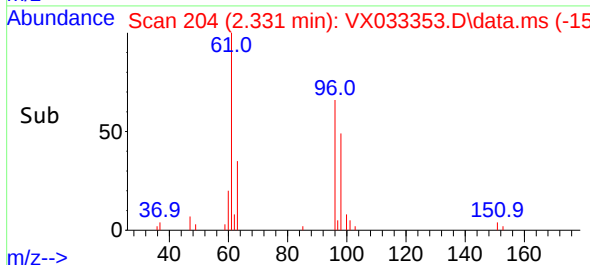
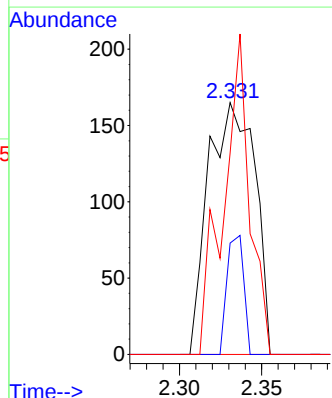
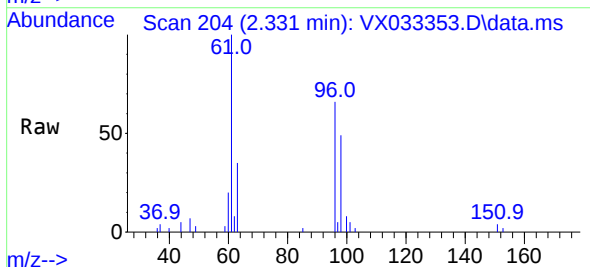
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-113-127-120822

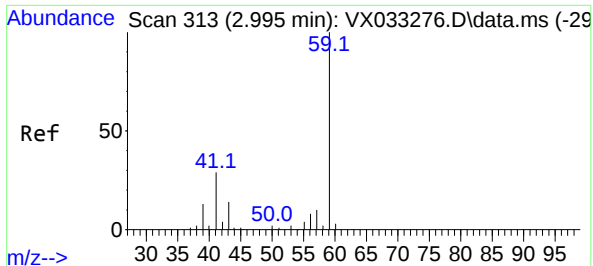
Tgt Ion: 64 Resp: 242
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.228 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion: 101 Resp: 326
Ion Ratio Lower Upper
101 100
85 16.9 37.0 55.4#
151 71.8 64.4 96.6

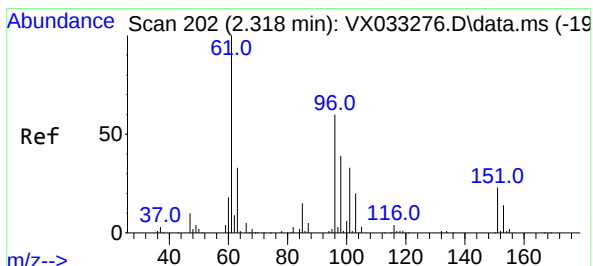
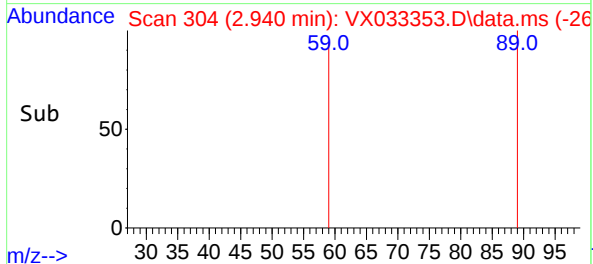
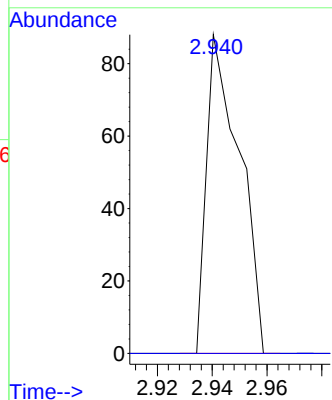
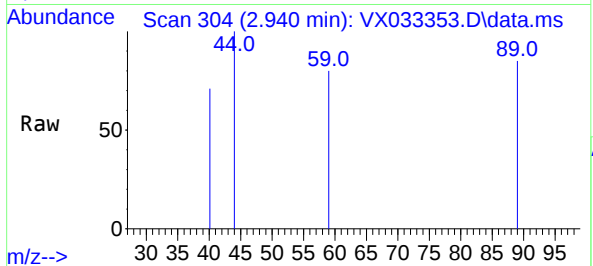




#11
Tert butyl alcohol
Concen: 0.243 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

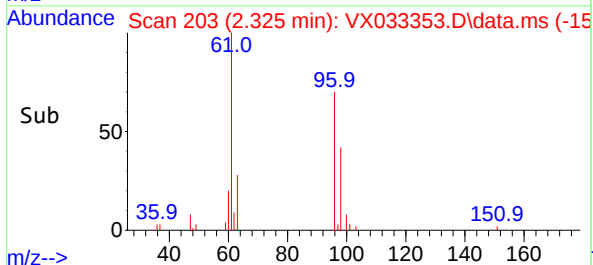
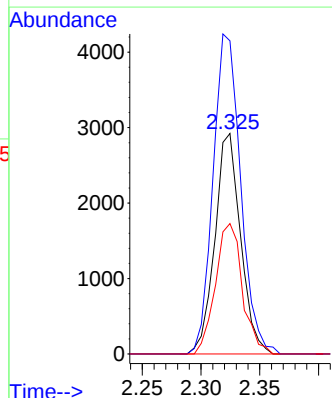
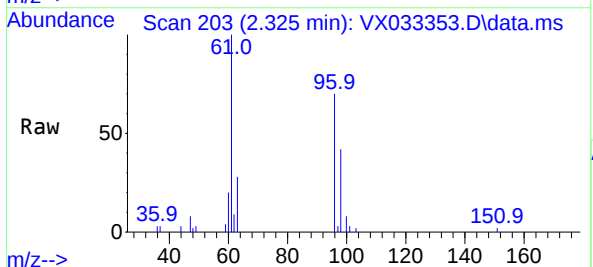
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-113-127-120822

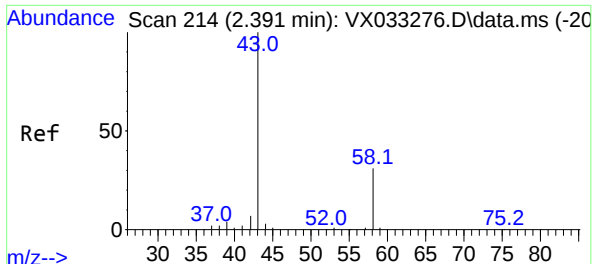
Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 3.162 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion: 96 Resp: 4453
Ion Ratio Lower Upper
96 100
61 142.0 125.1 187.7
98 59.2 50.6 76.0

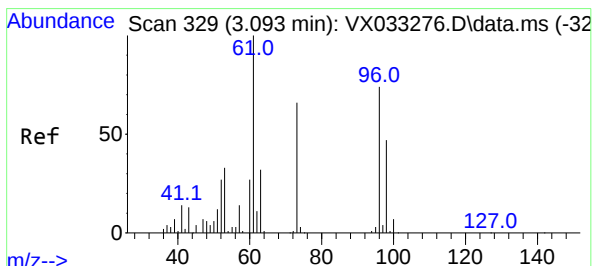
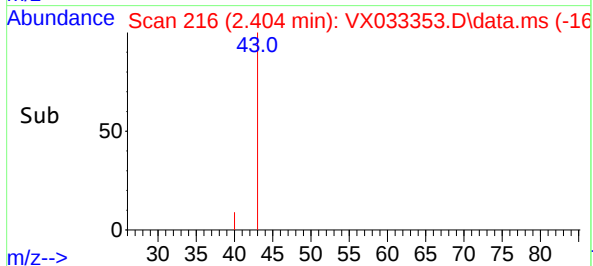
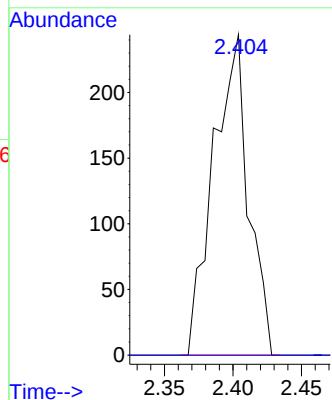
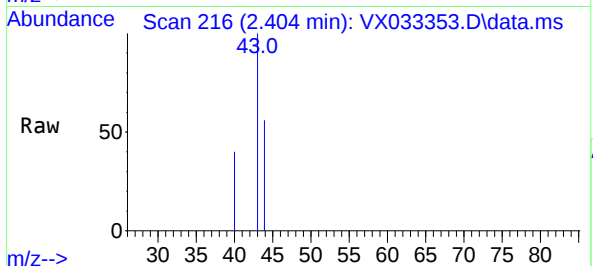




#16
Acetone
Concen: 0.590 ug/l
RT: 2.404 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

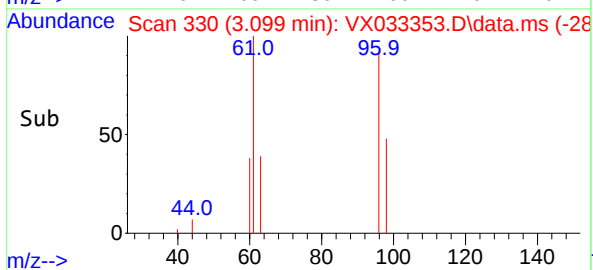
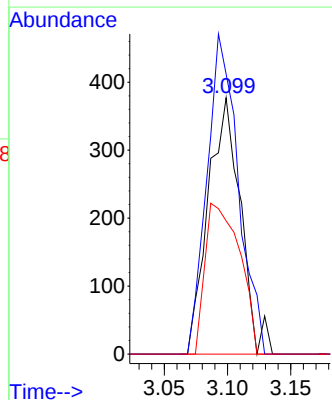
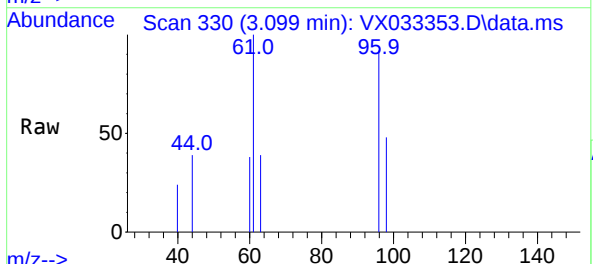
Instrument :
MSVOA_X
ClientSampleId :
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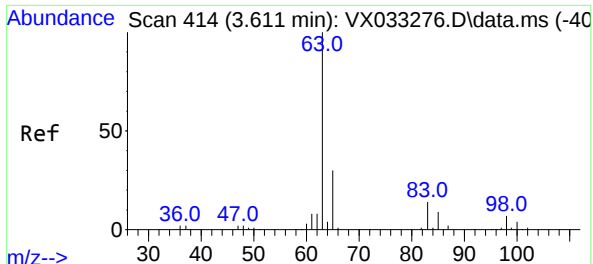
Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#21
trans-1,2-Dichloroethene
Concen: 0.436 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion: 96 Resp: 671
Ion Ratio Lower Upper
96 100
61 109.3 106.6 160.0
98 52.0 51.0 76.6

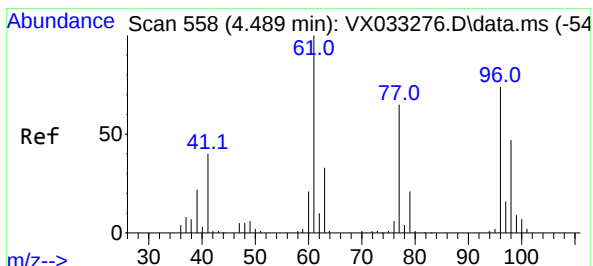
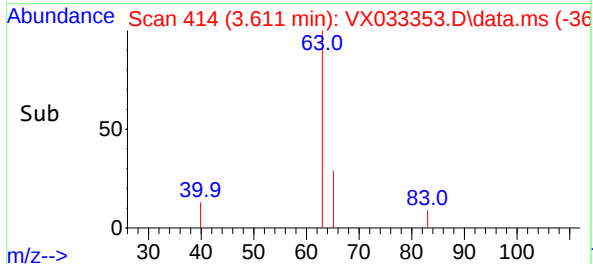
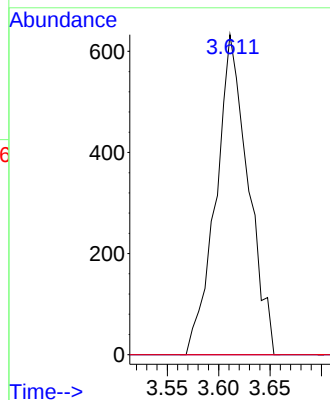
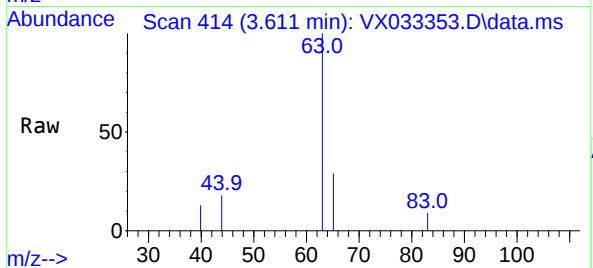




#24
1,1-Dichloroethane
Concen: 0.488 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

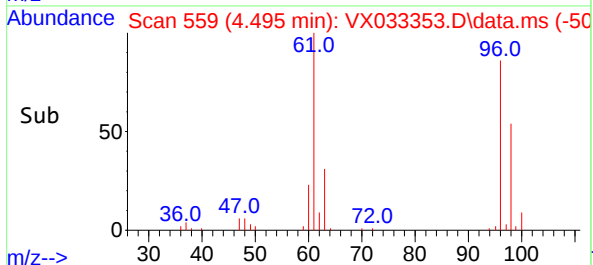
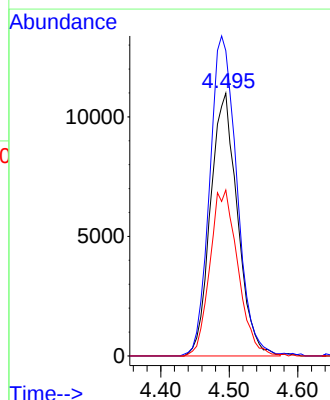
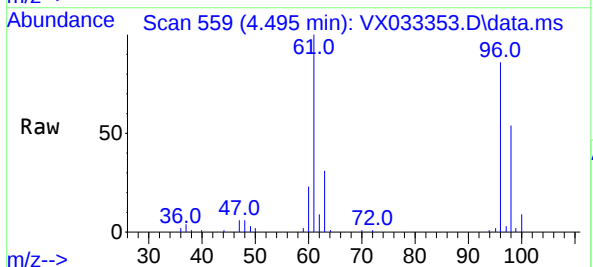
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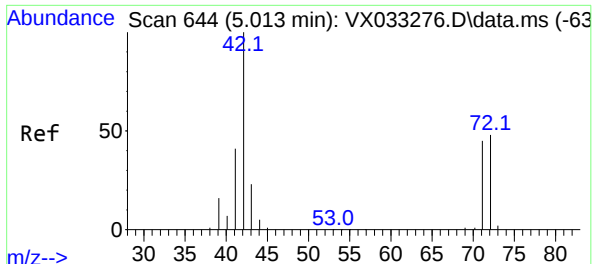
Tgt Ion: 63 Resp: 1382
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 16.329 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion: 96 Resp: 30066
Ion Ratio Lower Upper
96 100
61 122.5 0.0 286.0
98 65.7 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.410 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.037 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-113-127-120822

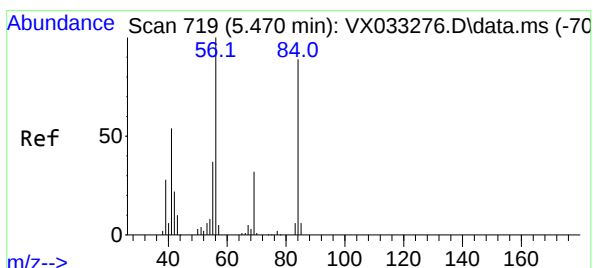
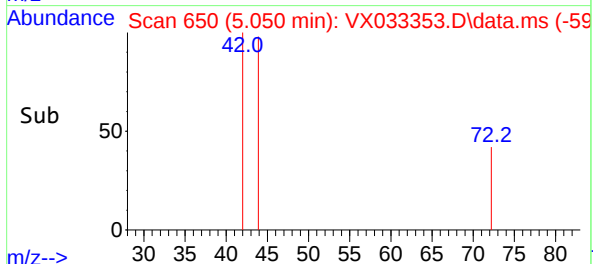
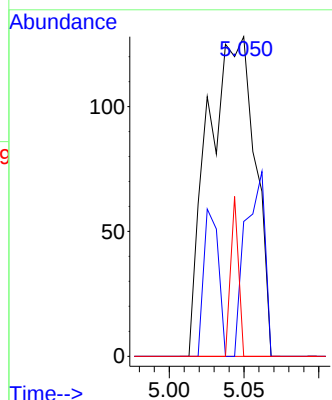
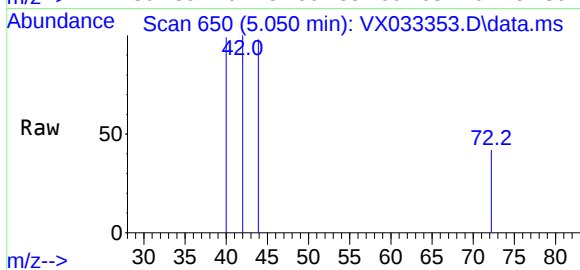
Tgt Ion: 42 Resp: 281

Ion Ratio Lower Upper

42 100

72 24.2 37.6 56.4#

71 8.2 34.7 52.1#



#31

Cyclohexane

Concen: 1.279 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

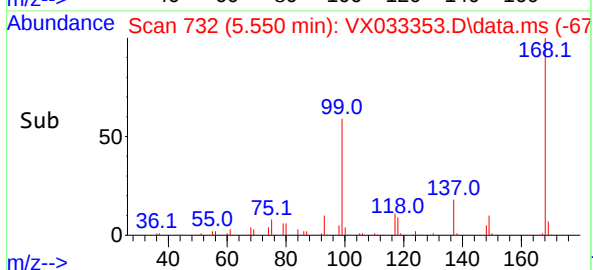
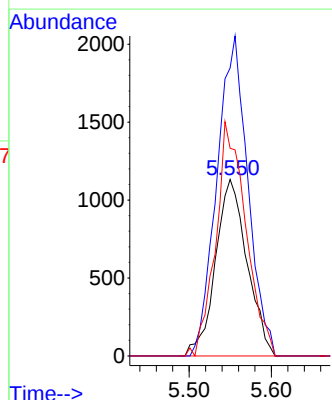
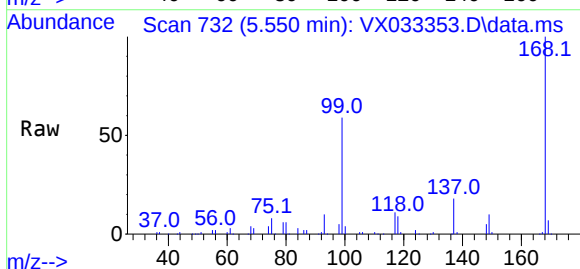
Tgt Ion: 56 Resp: 3030

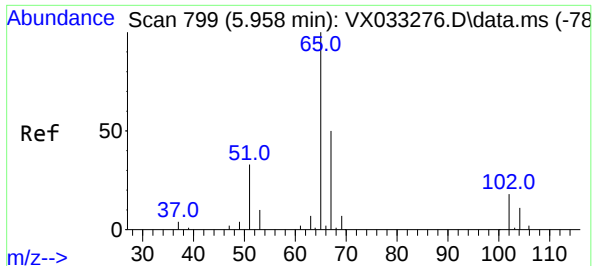
Ion Ratio Lower Upper

56 100

69 163.3 24.1 36.1#

84 117.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 46.956 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

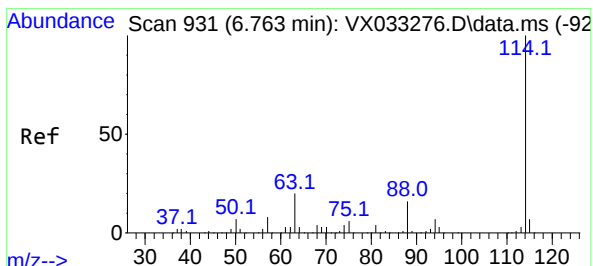
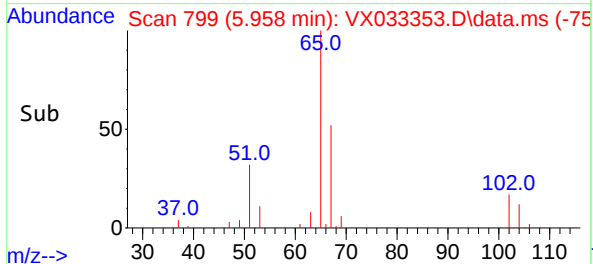
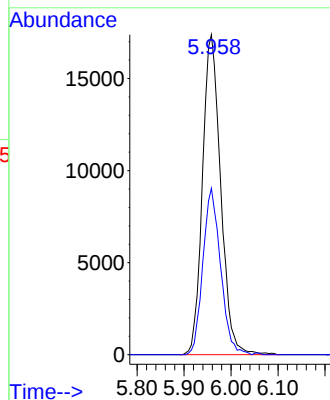
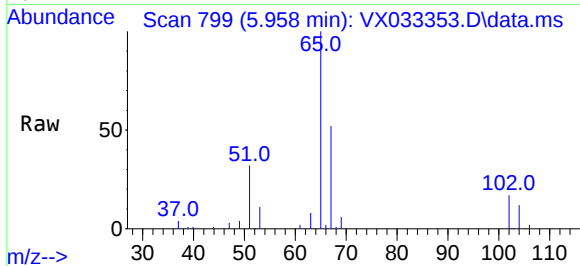
GW-BR-04-113-127-120822

Tgt Ion: 65 Resp: 46798

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

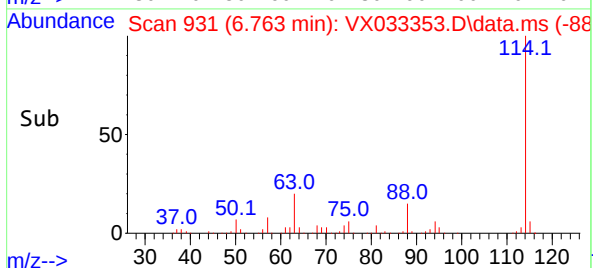
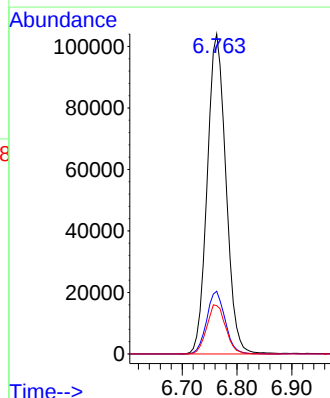
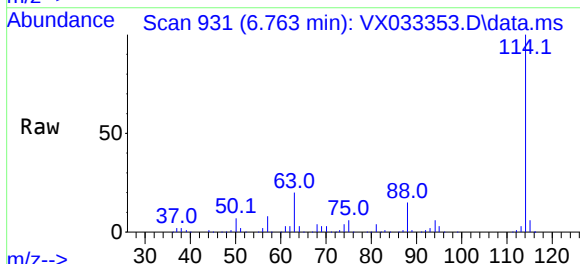
Tgt Ion: 114 Resp: 246019

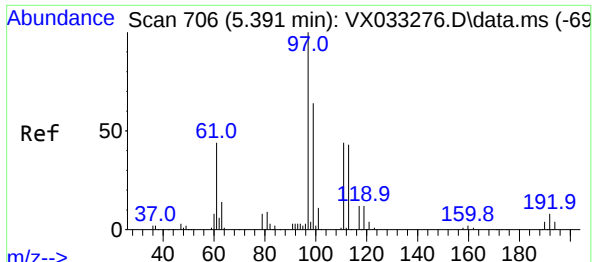
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.6

88 15.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.894 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-113-127-120822

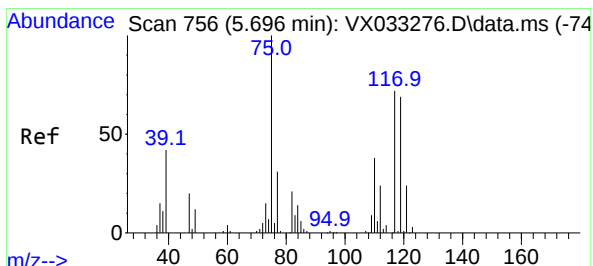
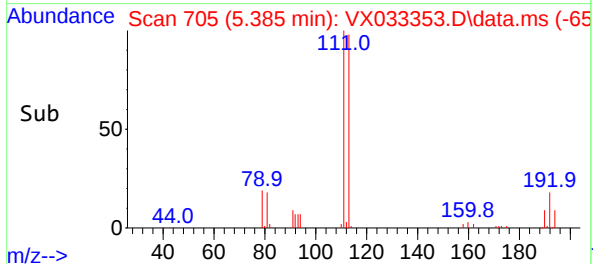
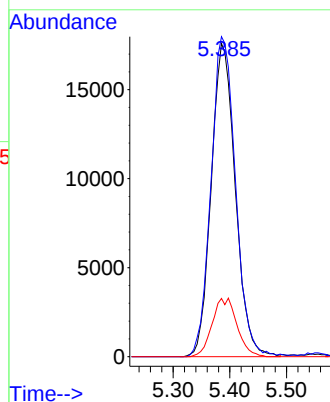
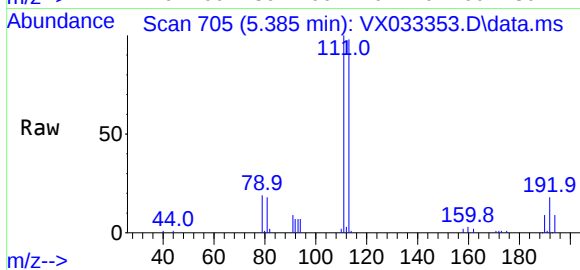
Tgt Ion:113 Resp: 51890

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

192 19.3 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.177 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

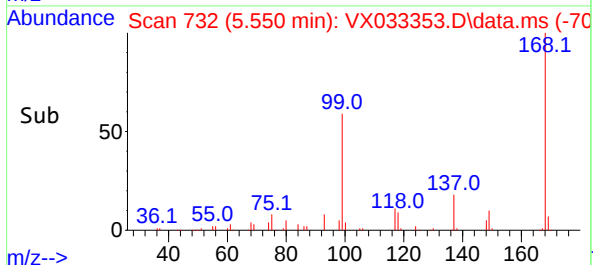
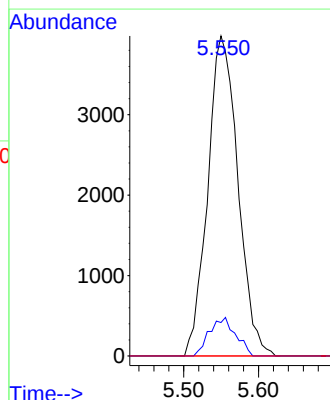
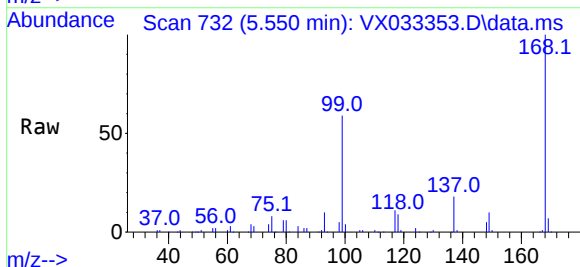
Tgt Ion: 75 Resp: 11169

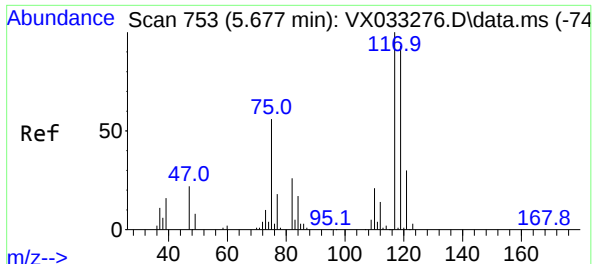
Ion Ratio Lower Upper

75 100

110 10.5 18.4 55.2#

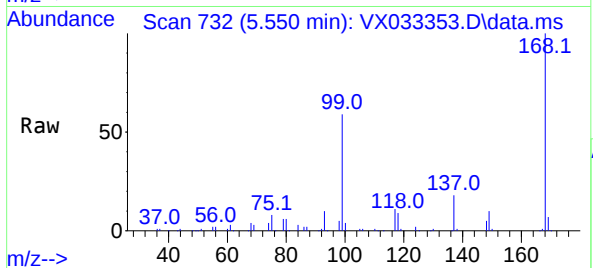
77 0.0 24.5 36.7#



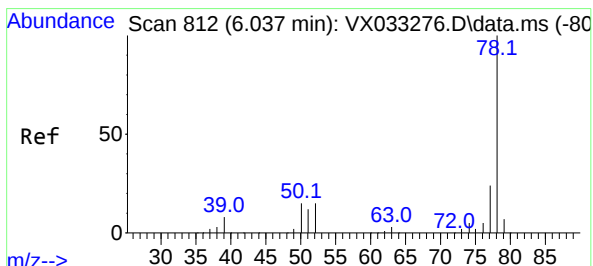
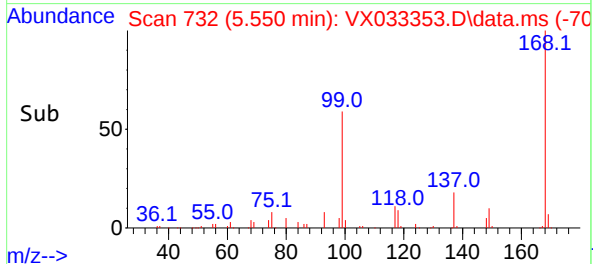
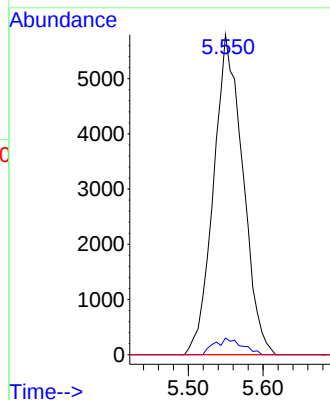


#38
Carbon Tetrachloride
Concen: 6.531 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-113-127-120822

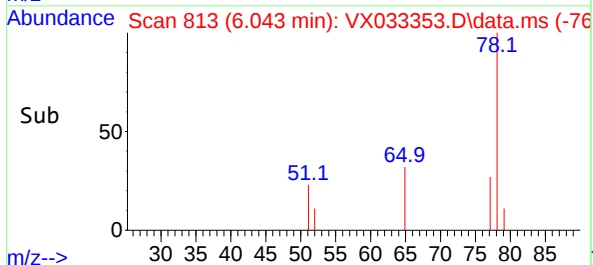
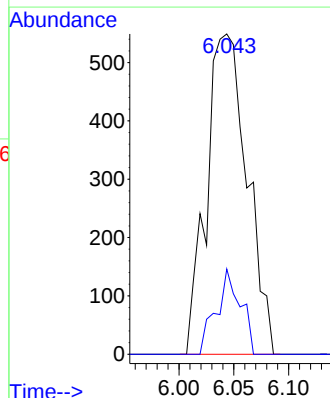
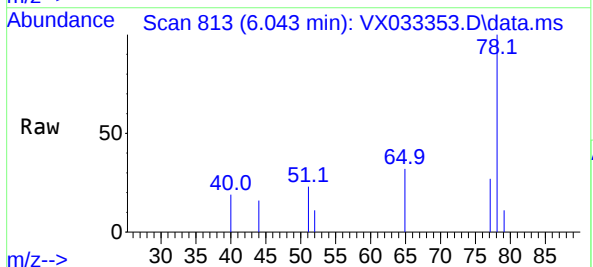


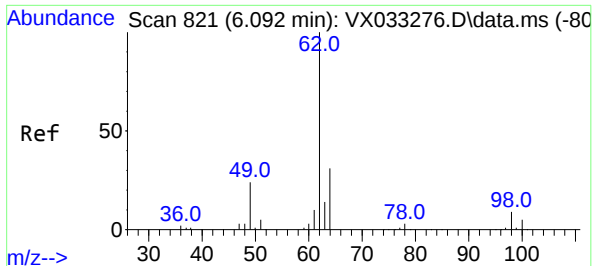
Tgt Ion:117 Resp: 15786
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 0.224 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion: 78 Resp: 1410
Ion Ratio Lower Upper
78 100
77 26.6 19.0 28.4





#42

1,2-Dichloroethane

Concen: 0.236 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

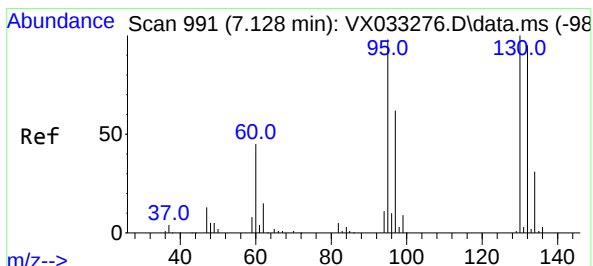
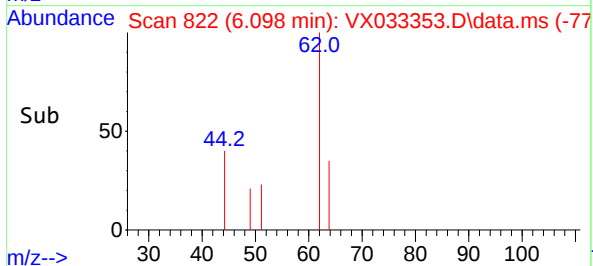
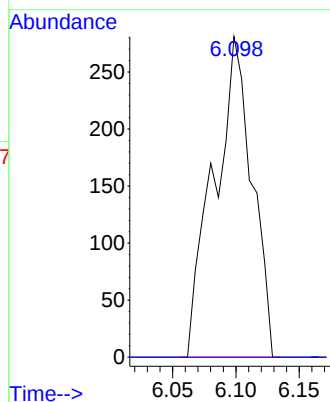
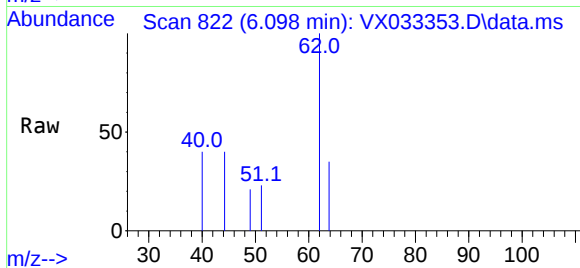
GW-BR-04-113-127-120822

Tgt Ion: 62 Resp: 589

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 11.090 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX033353.D

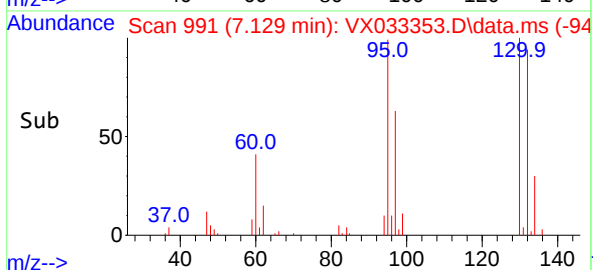
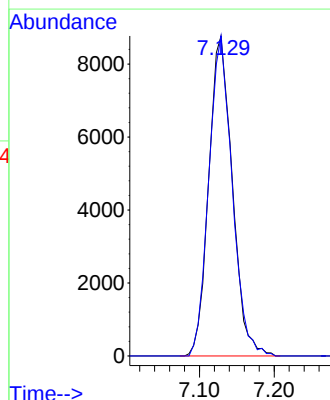
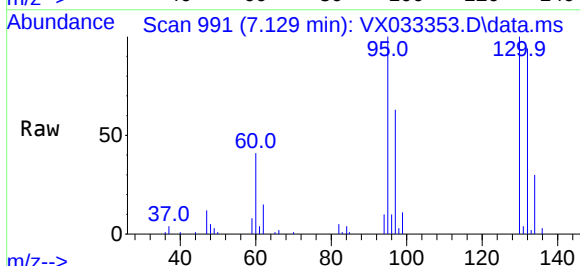
Acq: 09 Dec 2022 17:22

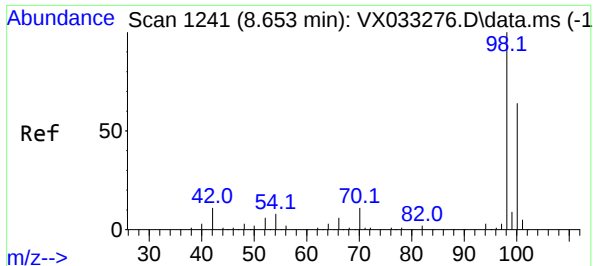
Tgt Ion:130 Resp: 19234

Ion Ratio Lower Upper

130 100

95 100.0 0.0 195.2





#50

Toluene-d8

Concen: 47.674 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

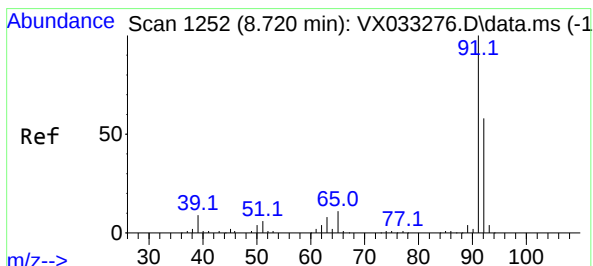
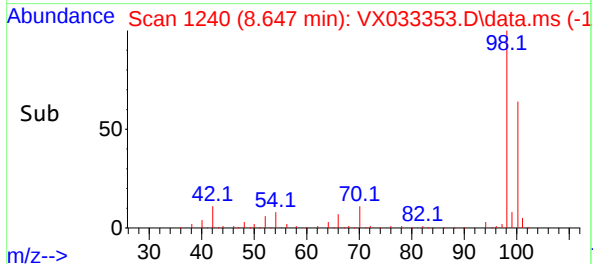
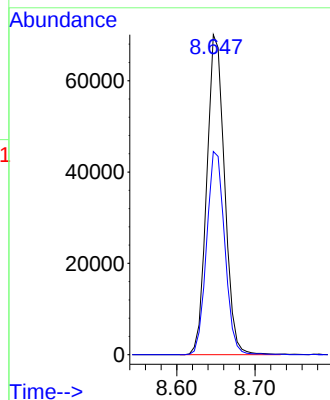
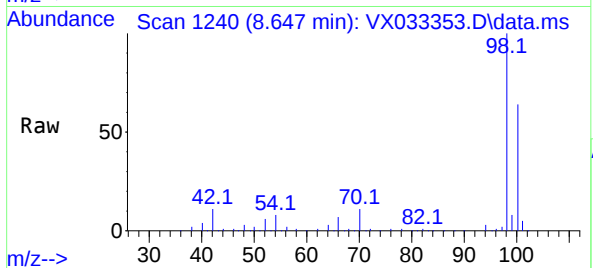
GW-BR-04-113-127-120822

Tgt Ion: 98 Resp: 110357

Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3



#52

Toluene

Concen: 21.043 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX033353.D

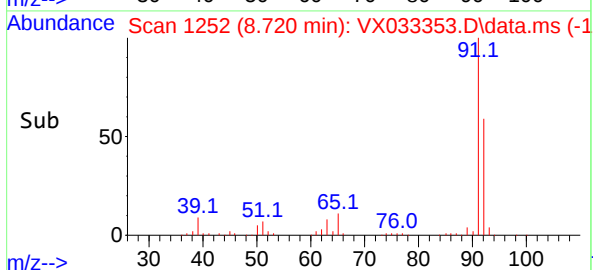
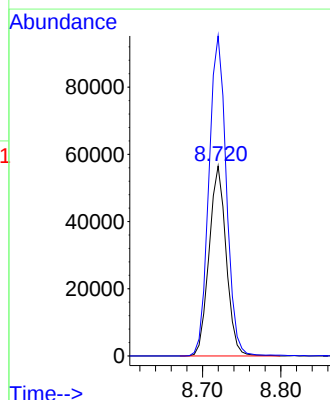
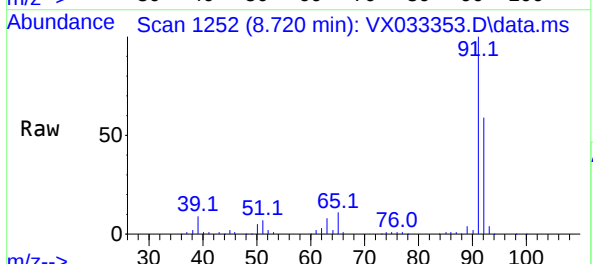
Acq: 09 Dec 2022 17:22

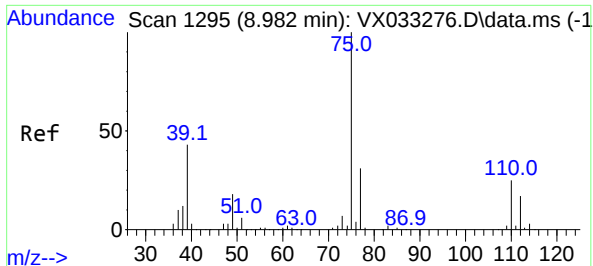
Tgt Ion: 92 Resp: 85580

Ion Ratio Lower Upper

92 100

91 172.3 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 2.878 ug/l

RT: 8.714 min Scan# 11

Delta R.T. -0.268 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

Instrument :

MSVOA_X

ClientSampleId :

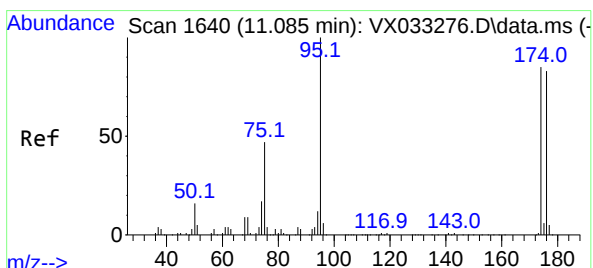
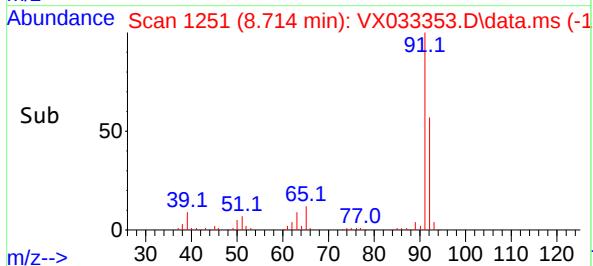
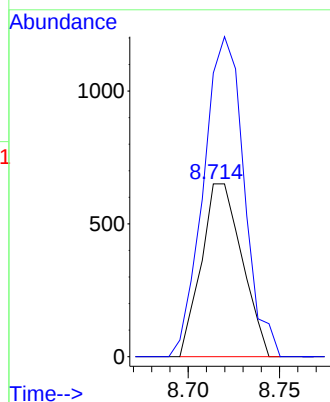
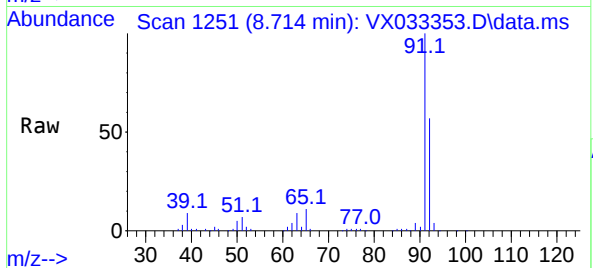
GW-BR-04-113-127-120822

Tgt Ion: 75 Resp: 1007

Ion Ratio Lower Upper

75 100

77 164.1 25.1 37.7#



#62

4-Bromofluorobenzene

Concen: 46.883 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033353.D

Acq: 09 Dec 2022 17:22

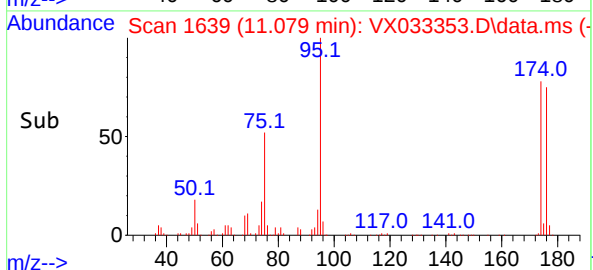
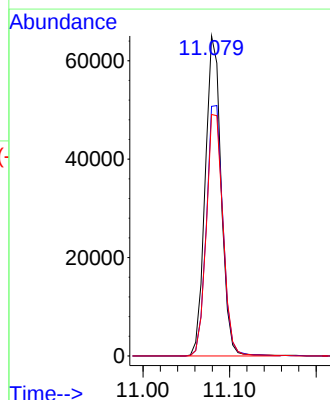
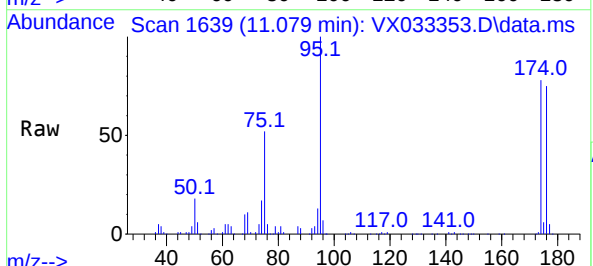
Tgt Ion: 95 Resp: 82981

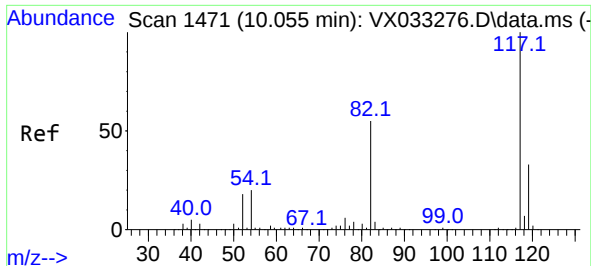
Ion Ratio Lower Upper

95 100

174 81.2 0.0 164.0

176 79.2 0.0 154.4

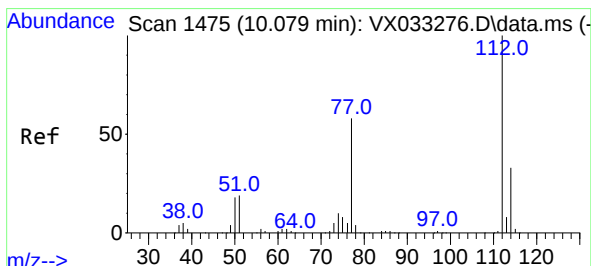
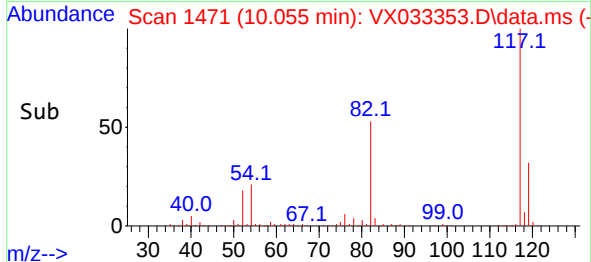
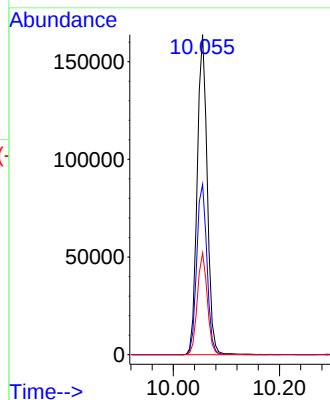
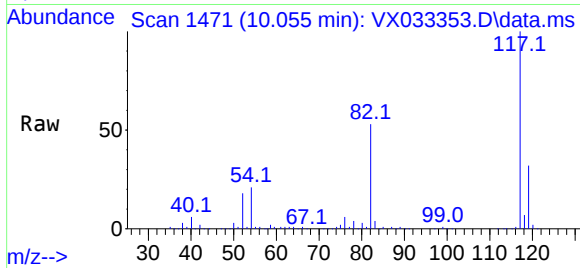




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

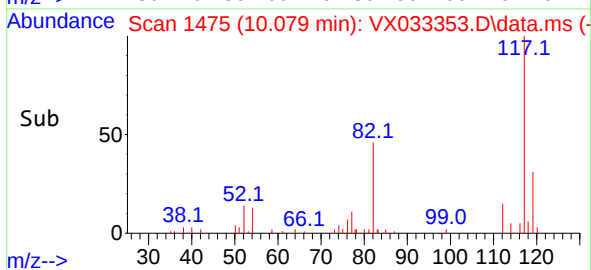
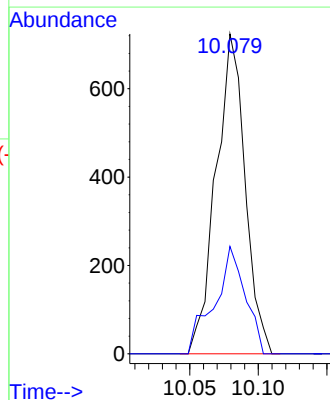
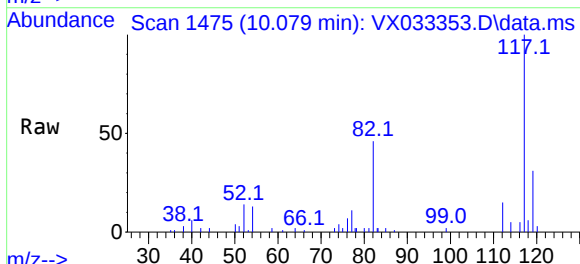
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-113-127-120822

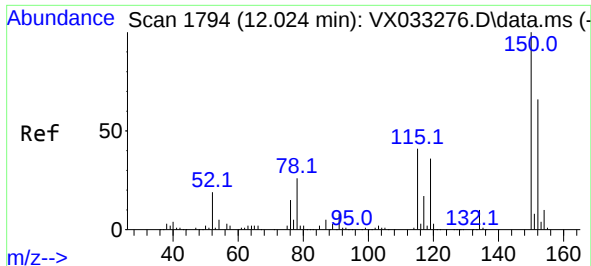
Tgt Ion:117 Resp: 214972
Ion Ratio Lower Upper
117 100
82 53.3 44.3 66.5
119 31.8 25.7 38.5



#65
Chlorobenzene
Concen: 0.246 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion:112 Resp: 1070
Ion Ratio Lower Upper
112 100
114 33.6 25.4 38.2

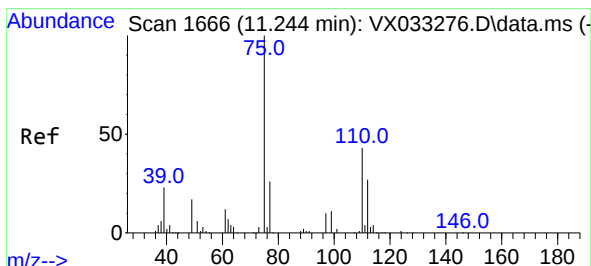
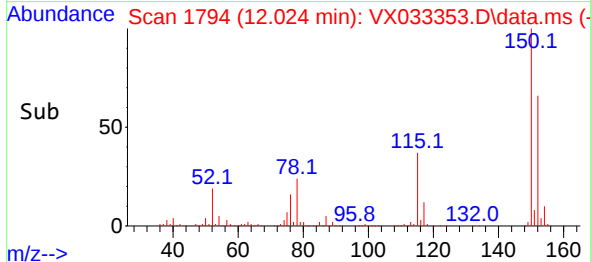
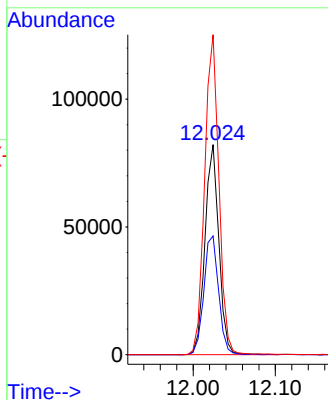
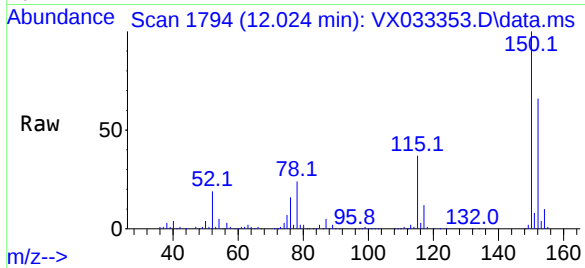




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

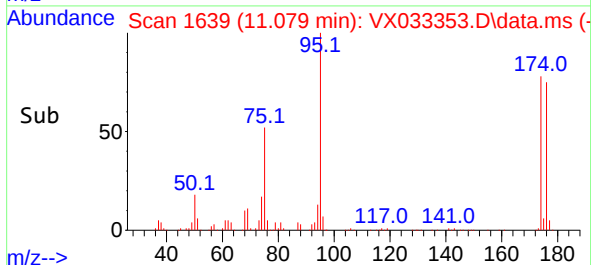
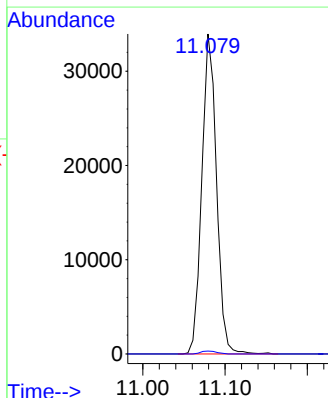
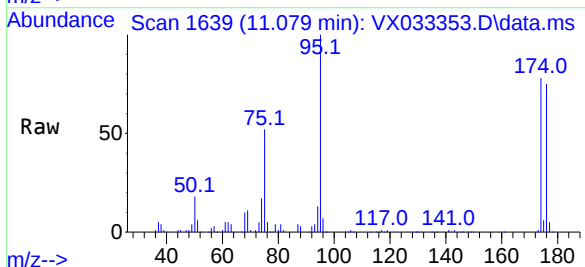
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-113-127-120822

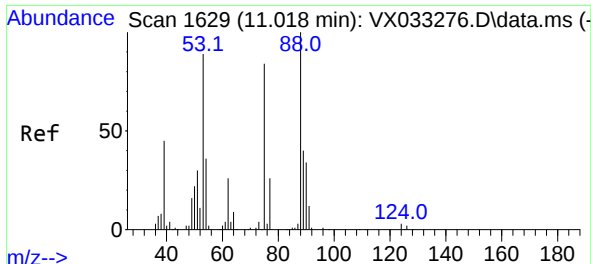
Tgt Ion:152 Resp: 96392
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 155.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 21.515 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion: 75 Resp: 42193
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#

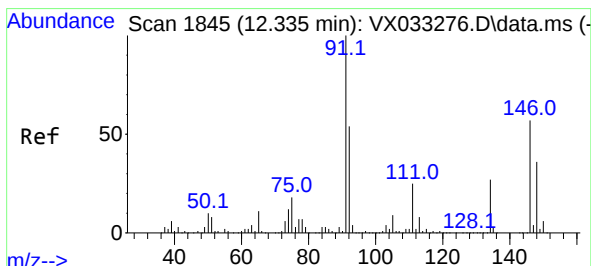
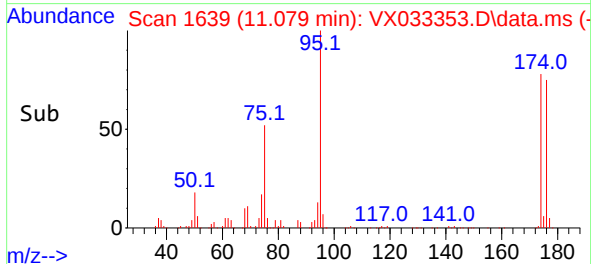
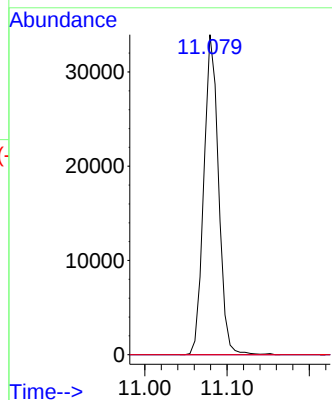
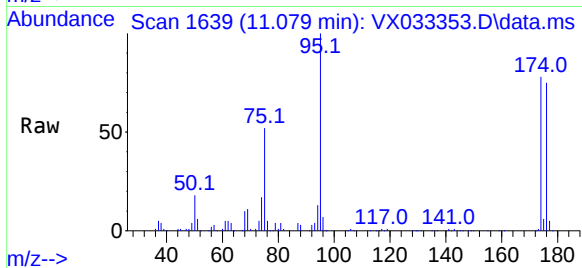




#81
trans-1,4-Dichloro-2-butene
Concen: 66.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-113-127-120822

Tgt Ion: 75 Resp: 42193
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#91
1,2-Dichlorobenzene
Concen: 0.303 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033353.D
Acq: 09 Dec 2022 17:22

Tgt Ion:146 Resp: 969
Ion Ratio Lower Upper
146 100
111 46.1 21.5 64.5
148 62.2 32.0 96.2

