

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071522\
 Data File : VX030085.D
 Acq On : 15 Jul 2022 12:43
 Operator : JC/MD
 Sample : N3735-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-01-79-91-071322

Quant Time: Jul 16 06:01:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

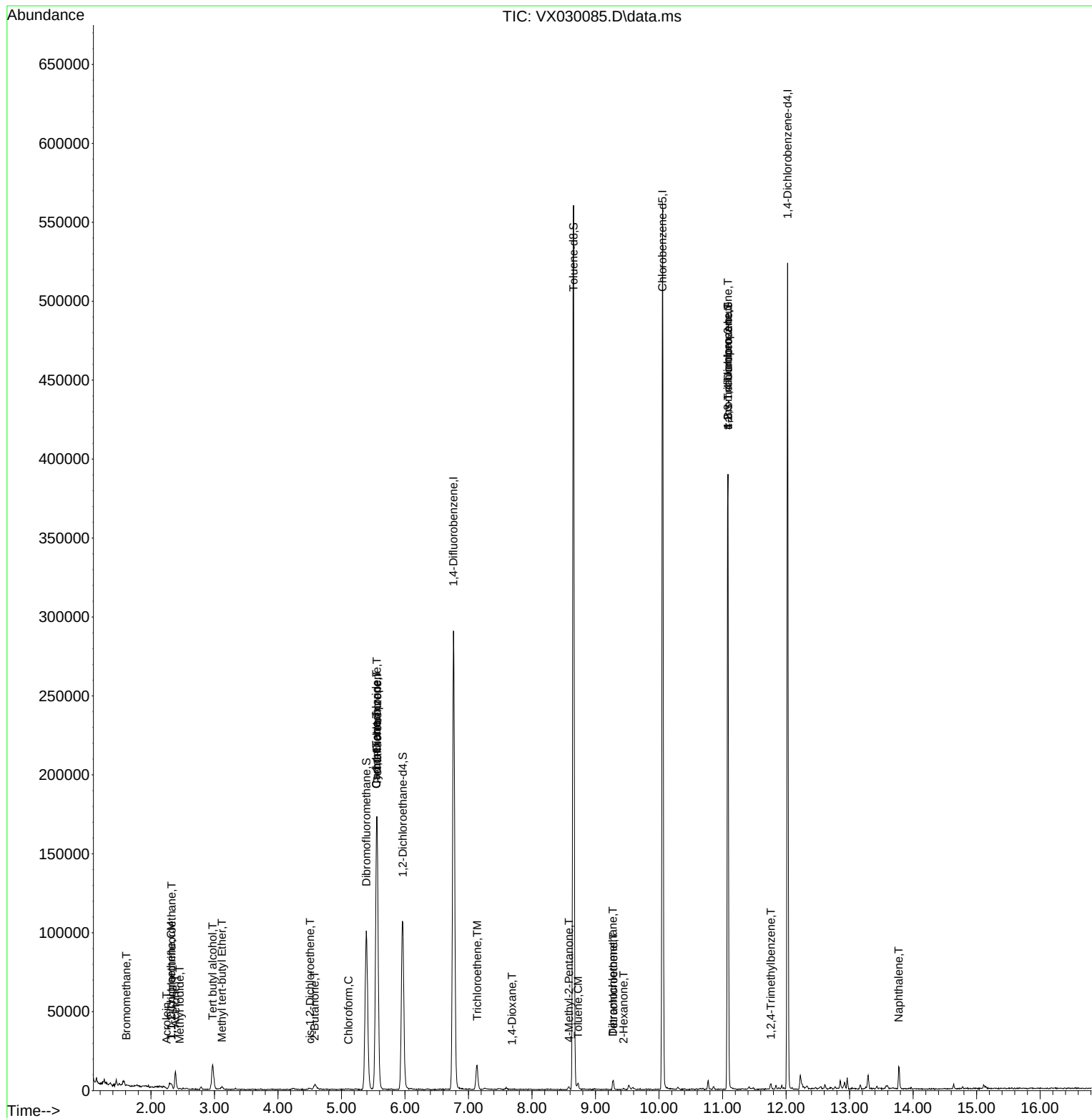
Internal Standards						
1) Pentafluorobenzene	5.562	168	168327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	301879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97469	47.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.140%
35) Dibromofluoromethane	5.391	113	89103	46.203	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.400%
50) Toluene-d8	8.653	98	340204	46.905	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.800%
62) 4-Bromofluorobenzene	11.085	95	107938	42.883	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.760%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.404	85	22	Below Cal	#	42
5) Bromomethane	1.612	94	170	0.205	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	567	0.330	ug/l	96
10) Methyl Iodide	2.453	142	584	2.737	ug/l #	71
11) Tert butyl alcohol	2.971	59	18010	34.059	ug/l	95
12) 1,1-Dichloroethene	2.319	96	724	0.422	ug/l #	56
13) Acrolein	2.246	56	55	0.522	ug/l #	14
16) Acetone	2.386	43	11161	11.561	ug/l	97
17) Carbon Disulfide	2.508	76	927	Below Cal	#	74
19) Methyl tert-butyl Ether	3.117	73	1637	0.302	ug/l #	76
20) Methylene Chloride	2.794	84	652	Below Cal	#	71
25) 2-Butanone	4.574	43	2088	1.270	ug/l #	82
27) cis-1,2-Dichloroethene	4.507	96	555	0.254	ug/l	89
30) Chloroform	5.111	83	655	0.202	ug/l #	54
31) Cyclohexane	5.550	56	3505	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13138	5.274	ug/l #	48
38) Carbon Tetrachloride	5.550	117	16539	7.120	ug/l #	18
44) Trichloroethene	7.135	130	6108	2.666	ug/l	99
49) 1,4-Dioxane	7.684	88	38	0.659	ug/l #	31
51) 4-Methyl-2-Pentanone	8.580	43	1283	0.403	ug/l	98
52) Toluene	8.726	92	1228	0.247	ug/l	96
59) 2-Hexanone	9.439	43	527	0.216	ug/l	82
60) Dibromochloromethane	9.275	129	947	0.473	ug/l #	11
64) Tetrachloroethene	9.281	164	1194	0.591	ug/l #	86
76) 1,2,3-Trichloropropane	11.085	75	51677	21.637	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	51677	62.443	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.762	105	1454	0.241	ug/l	65
95) Naphthalene	13.774	128	8934	1.079	ug/l	99

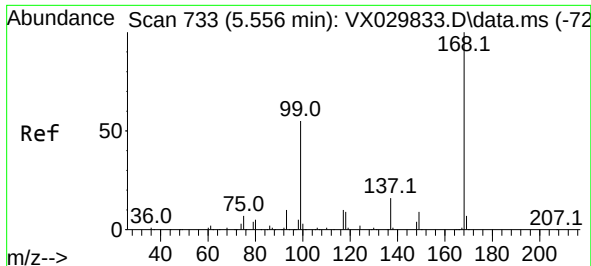
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071522\
Data File : VX030085.D
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Sample : N3735-01
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GWOW-BR-01-79-91-071322

Quant Time: Jul 16 06:01:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 13 09:05:23 2022
Response via : Initial Calibration

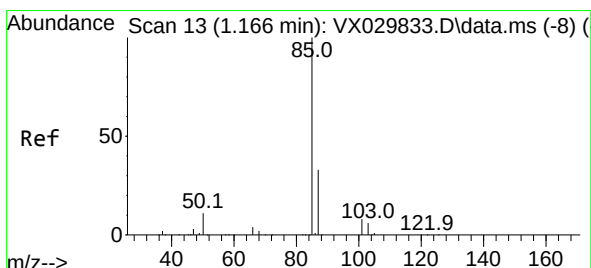
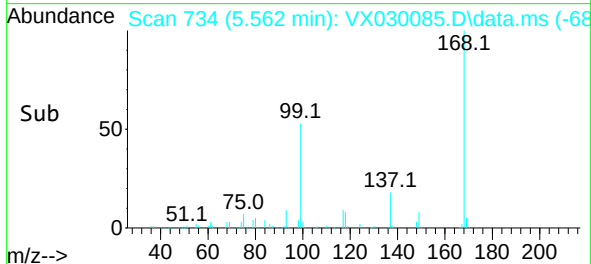
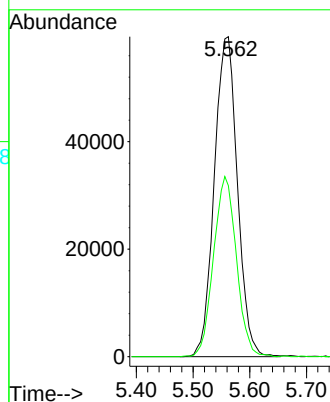
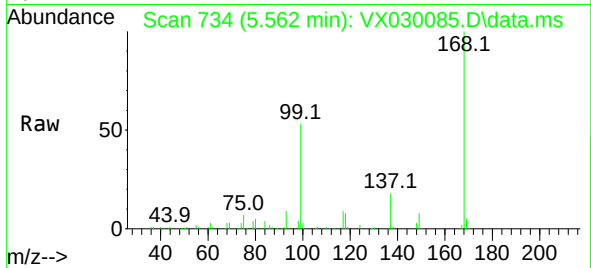




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

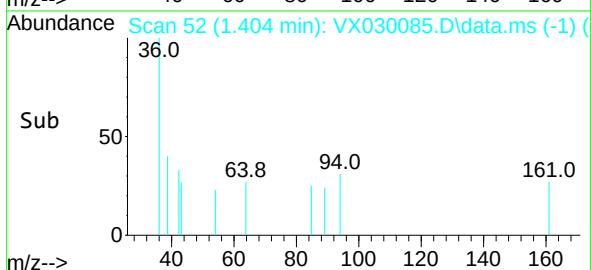
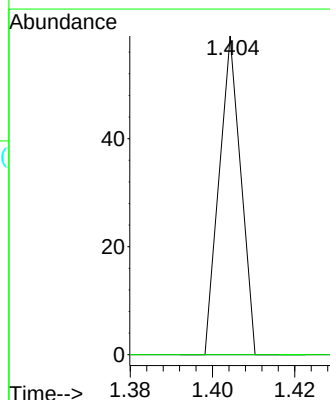
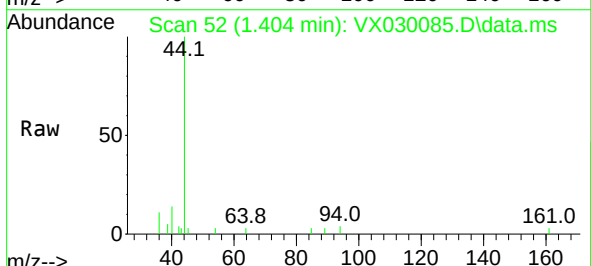
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

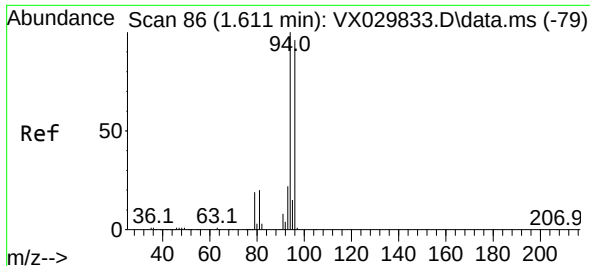
Tgt Ion:168 Resp: 168327
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.404 min Scan# 52
Delta R.T. 0.238 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

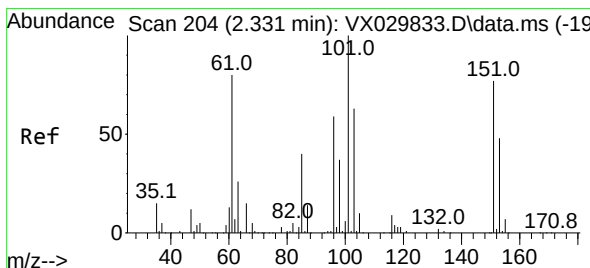
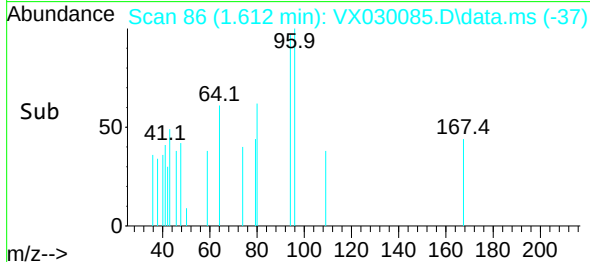
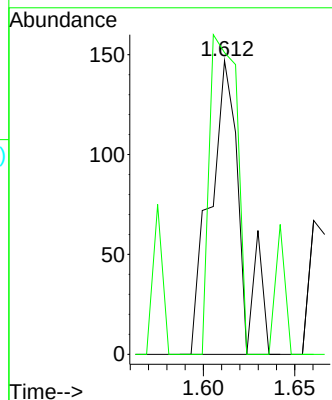
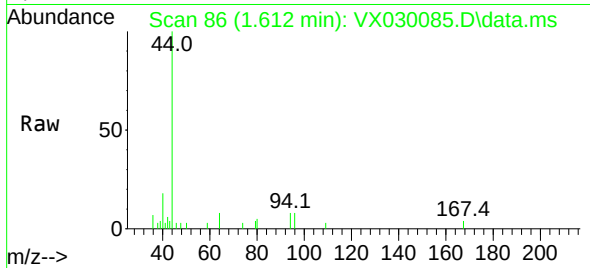




#5
Bromomethane
Concen: 0.205 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.001 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

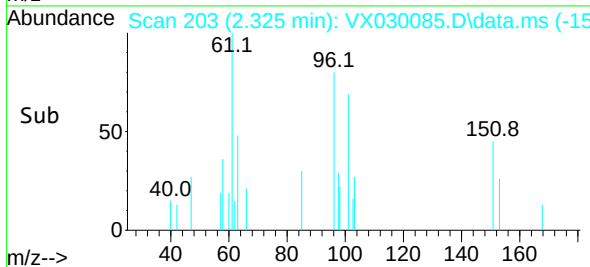
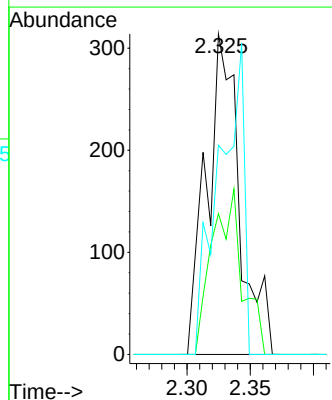
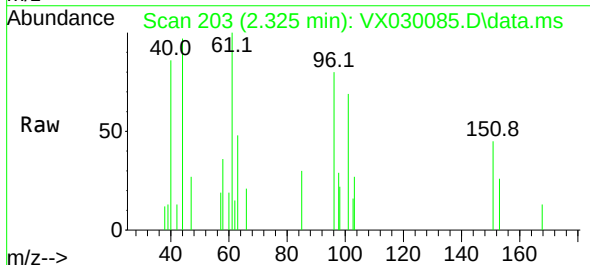
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

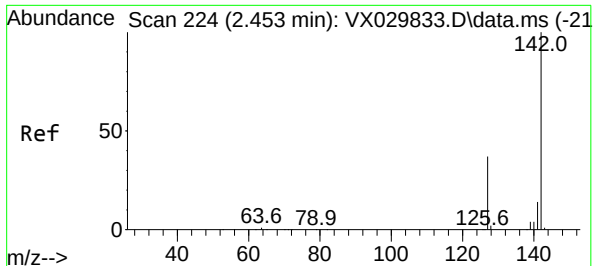
Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 102.7 76.9 115.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.330 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

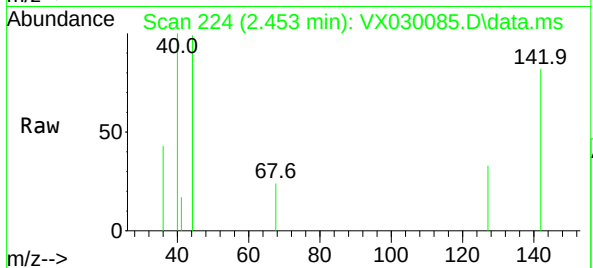
Tgt Ion: 101 Resp: 567
Ion Ratio Lower Upper
101 100
85 47.6 34.0 51.0
151 73.4 59.4 89.0



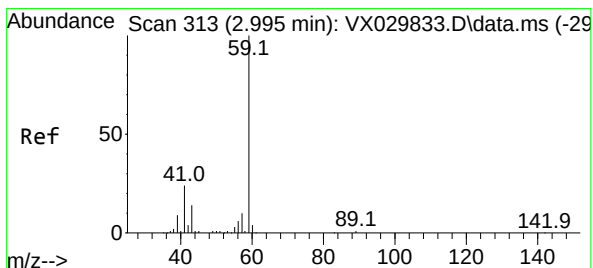
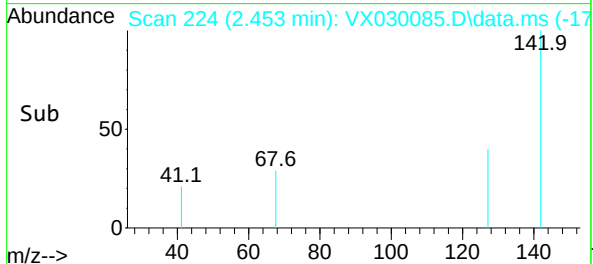
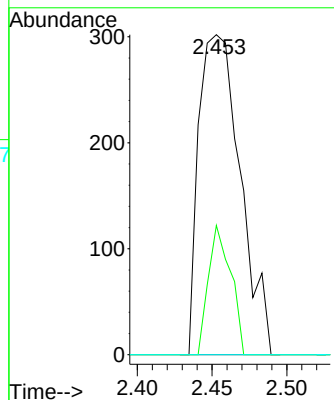


#10
Methyl Iodide
Concen: 2.737 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

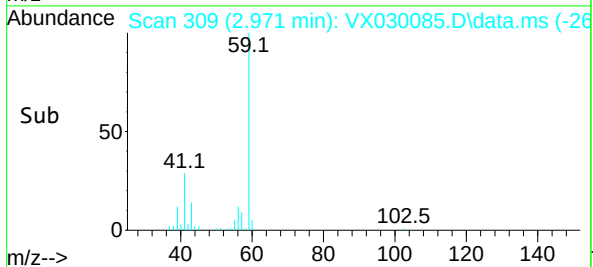
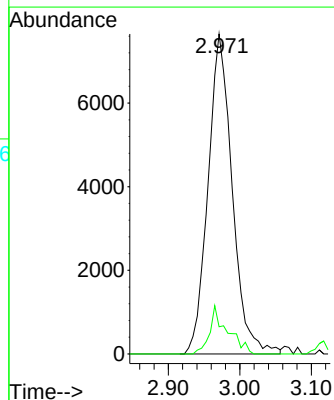
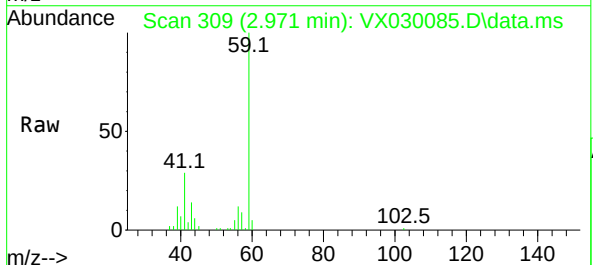


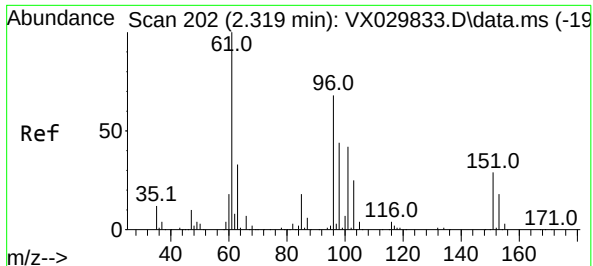
Tgt Ion:142 Resp: 584
Ion Ratio Lower Upper
142 100
127 21.7 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 34.059 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 59 Resp: 18010
Ion Ratio Lower Upper
59 100
57 11.1 7.4 11.2





#12

1,1-Dichloroethene

Concen: 0.422 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX030085.D

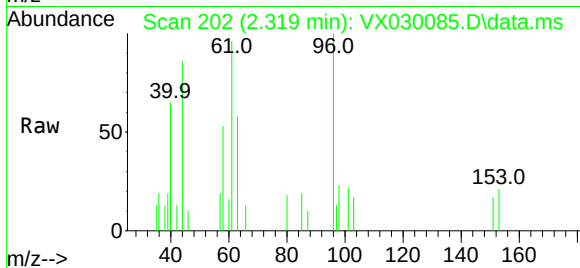
Acq: 15 Jul 2022 12:43

Instrument :

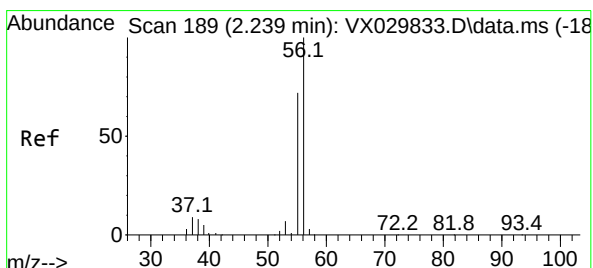
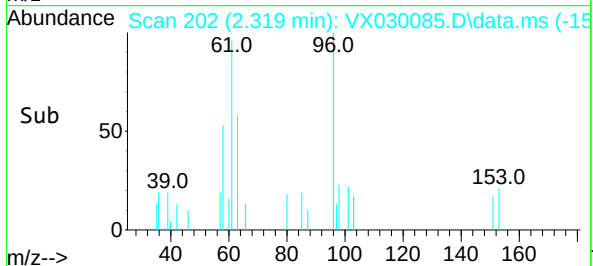
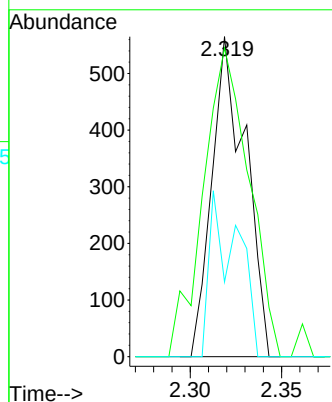
MSVOA_X

ClientSampleId :

GWOW-BR-01-79-91-071322



Tgt Ion:	96	Resp:	724
Ion	Ratio	Lower	Upper
96	100		
61	96.5	117.4	176.0#
98	23.4	52.2	78.4#



#13

Acrolein

Concen: 0.522 ug/l

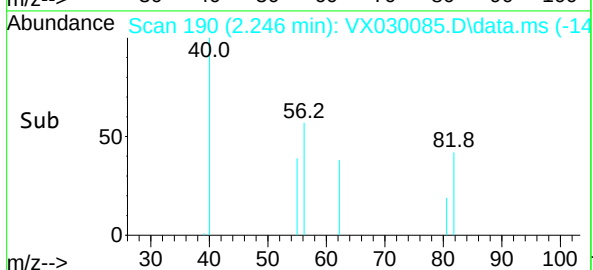
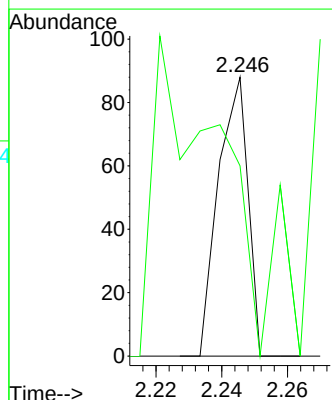
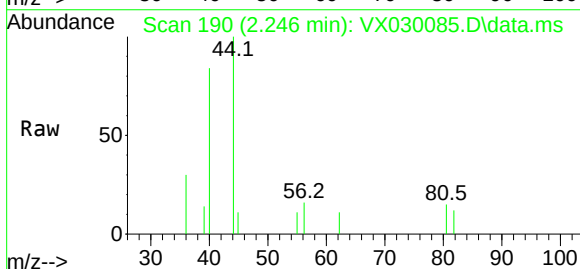
RT: 2.246 min Scan# 190

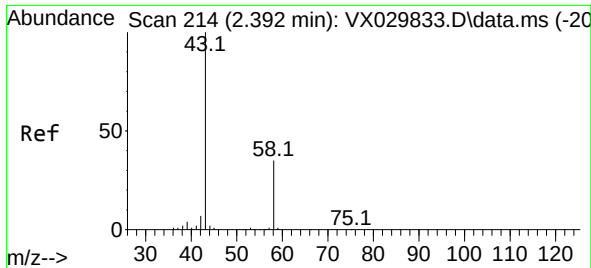
Delta R.T. 0.007 min

Lab File: VX030085.D

Acq: 15 Jul 2022 12:43

Tgt Ion:	56	Resp:	55
Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.6	84.8#

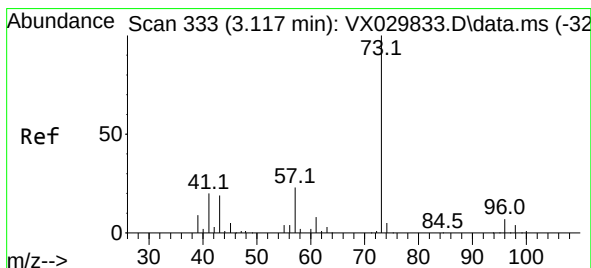
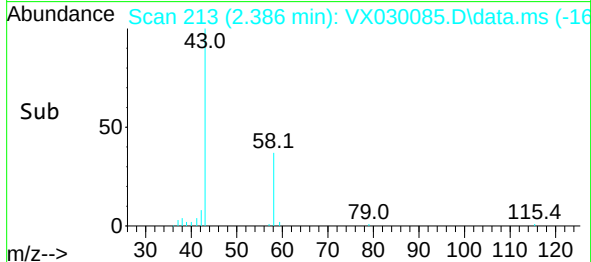
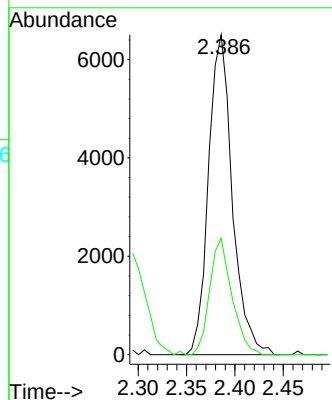
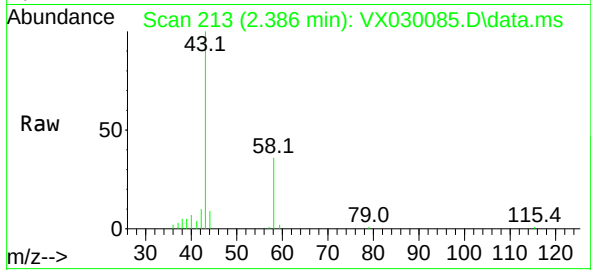




#16
Acetone
Concen: 11.561 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

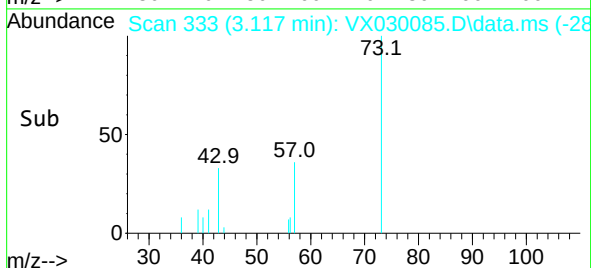
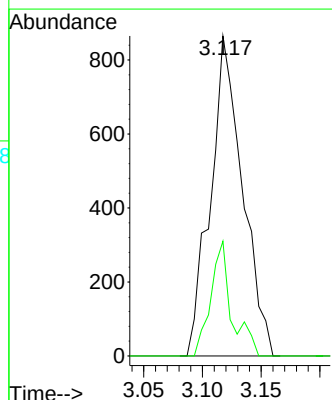
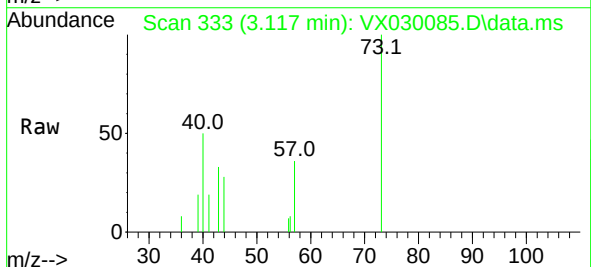
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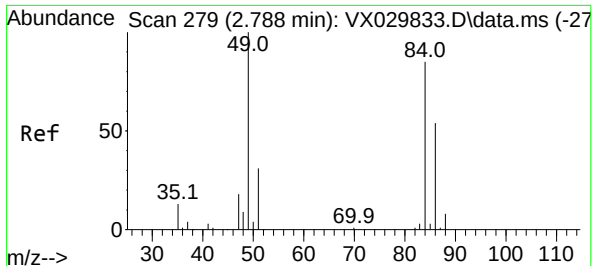
Tgt Ion: 43 Resp: 11161
Ion Ratio Lower Upper
43 100
58 36.4 27.7 41.5



#19
Methyl tert-butyl Ether
Concen: 0.302 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 73 Resp: 1637
Ion Ratio Lower Upper
73 100
57 35.8 19.0 28.6#

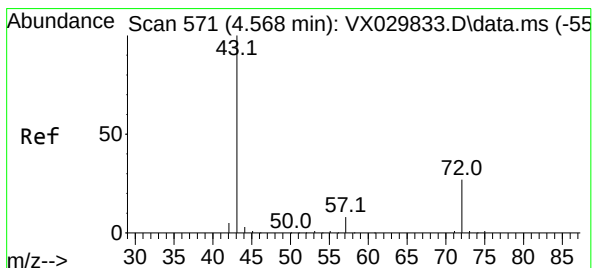
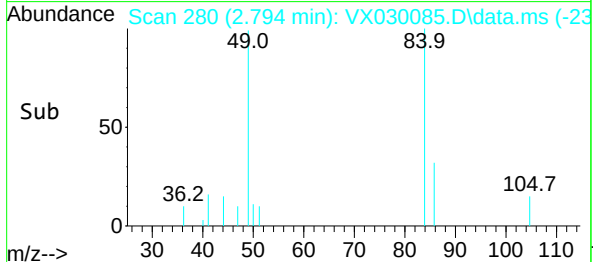
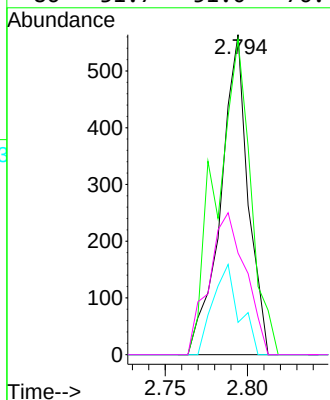
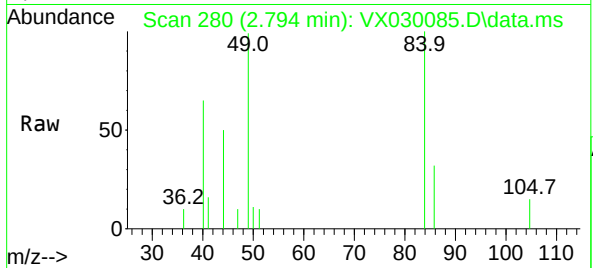




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

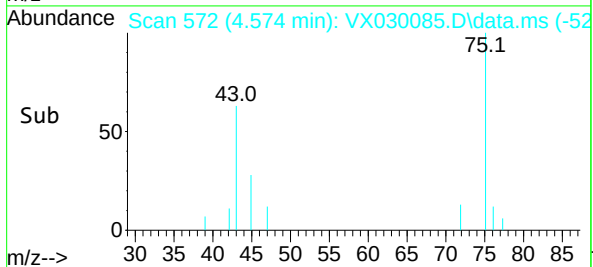
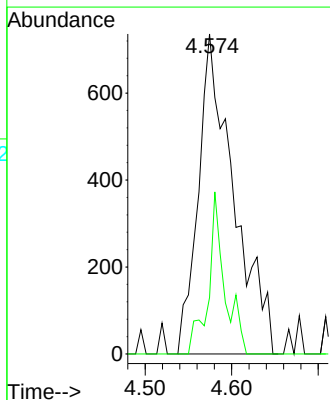
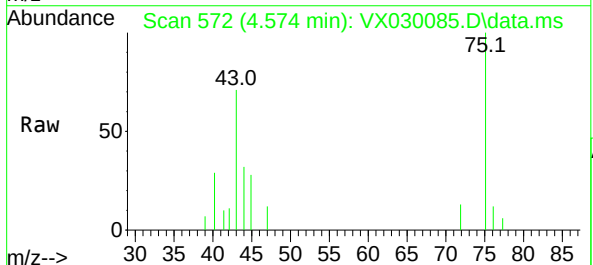
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-01-79-91-071322

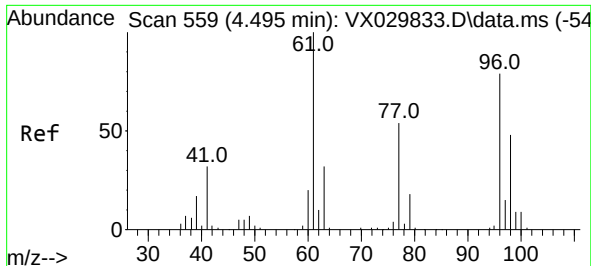
Tgt Ion: 84	Resp: 652
Ion Ratio	Lower Upper
84 100	
49 98.6	93.8 140.6
51 10.1	29.4 44.0#
86 31.7	51.0 76.4#



#25
2-Butanone
Concen: 1.270 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 43	Resp: 2088
Ion Ratio	Lower Upper
43 100	
72 17.7	21.7 32.5#





#27

cis-1,2-Dichloroethene

Concen: 0.254 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX030085.D

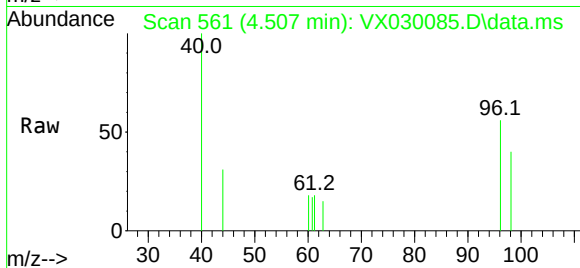
Acq: 15 Jul 2022 12:43

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-01-79-91-071322



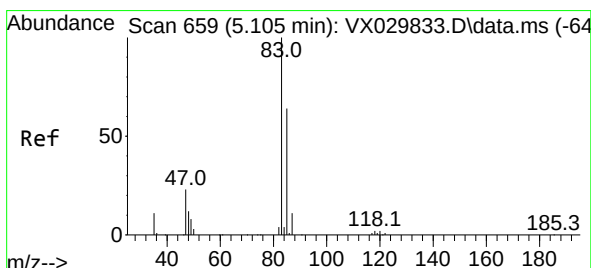
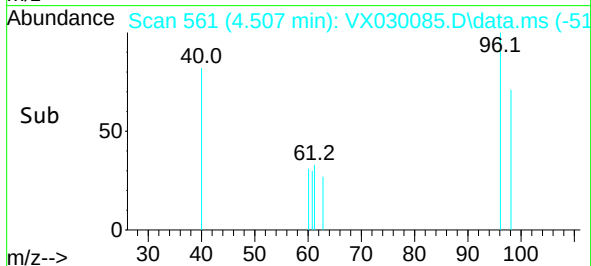
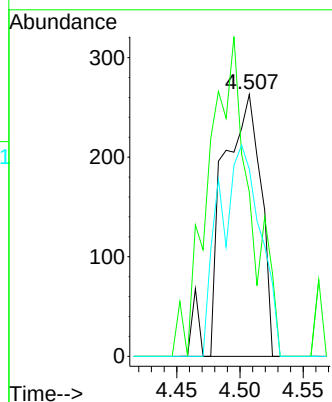
Tgt Ion: 96 Resp: 555

Ion Ratio Lower Upper

96 100

61 131.9 0.0 270.0

98 86.1 0.0 127.8



#30

Chloroform

Concen: 0.202 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX030085.D

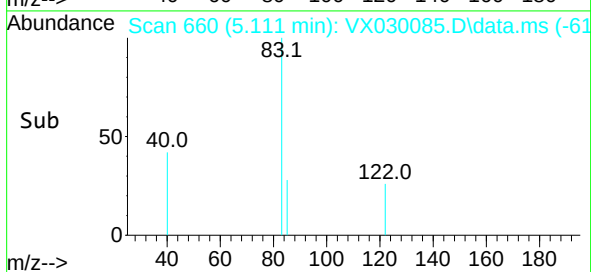
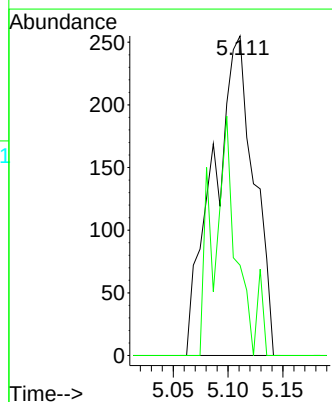
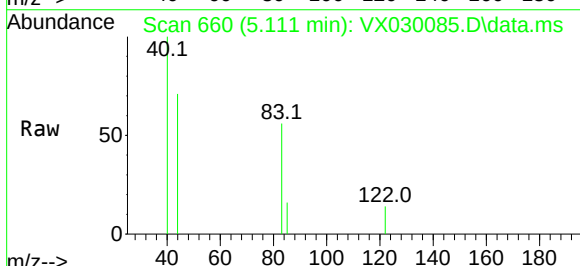
Acq: 15 Jul 2022 12:43

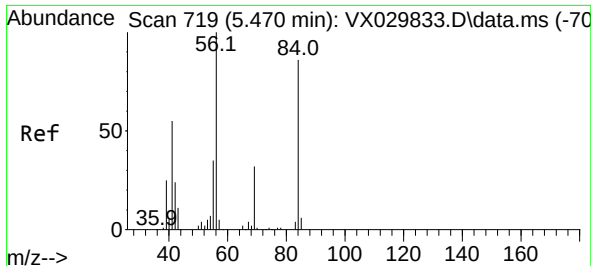
Tgt Ion: 83 Resp: 655

Ion Ratio Lower Upper

83 100

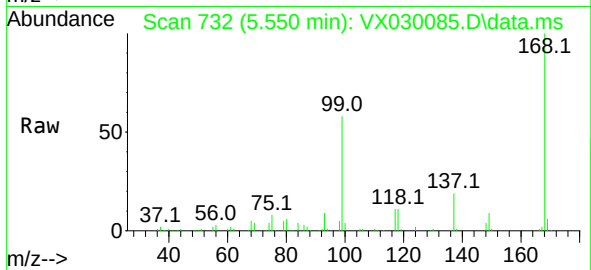
85 28.2 51.5 77.3#



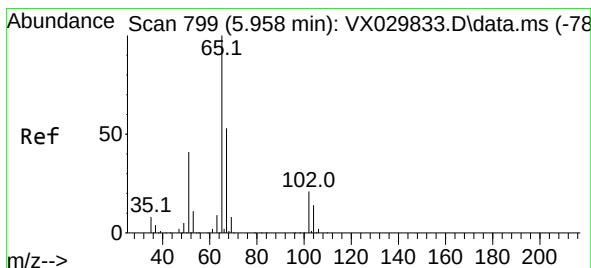
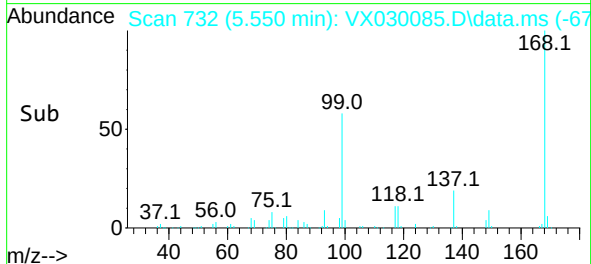
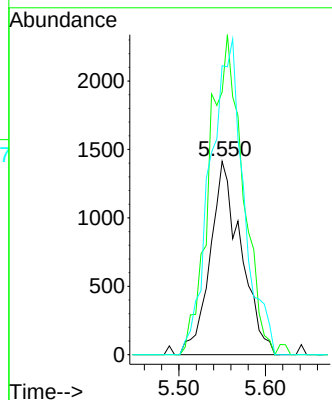


#31
Cyclohexane
Concen: 1.180 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

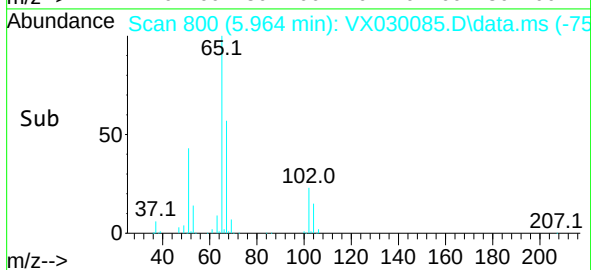
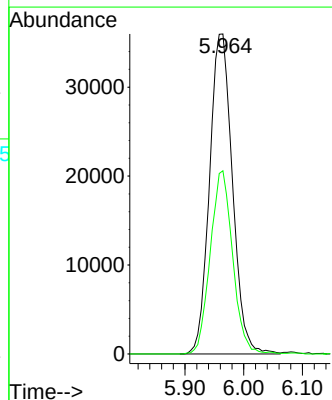
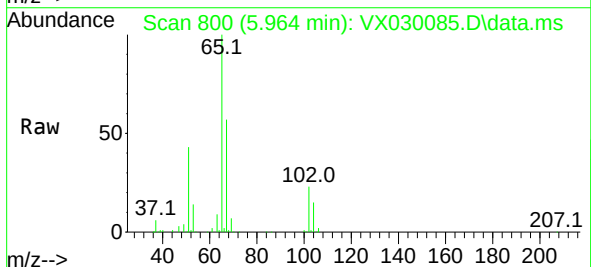


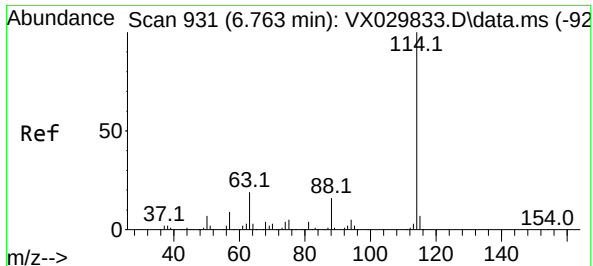
Tgt Ion: 56 Resp: 3505
Ion Ratio Lower Upper
56 100
69 135.8 25.4 38.0#
84 149.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 47.573 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 65 Resp: 97469
Ion Ratio Lower Upper
65 100
67 55.8 0.0 109.6

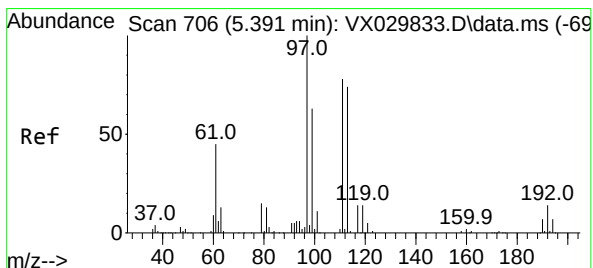
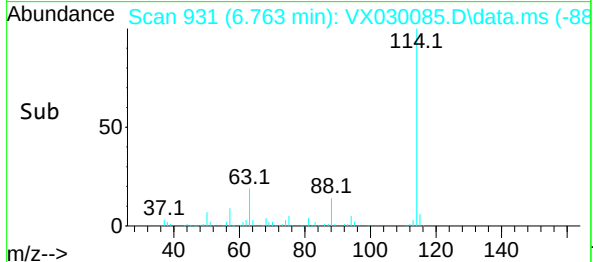
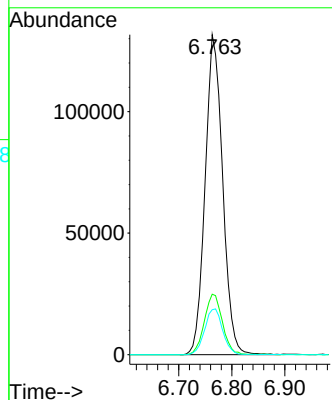
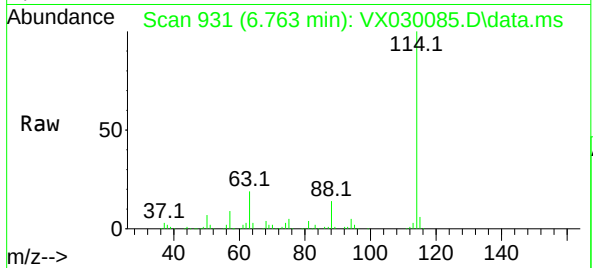




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

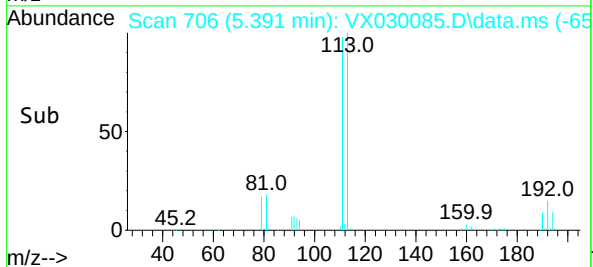
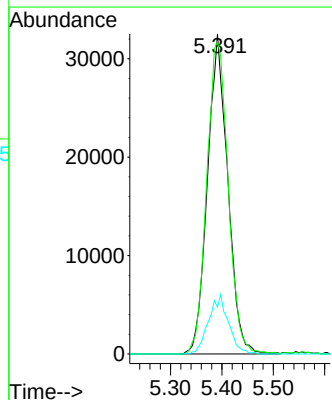
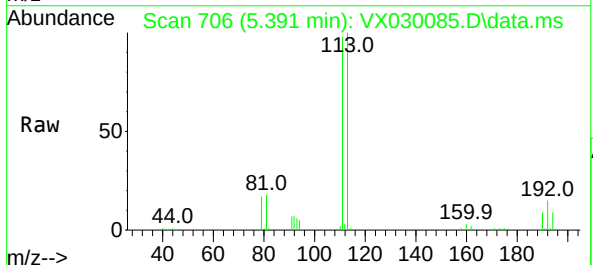
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

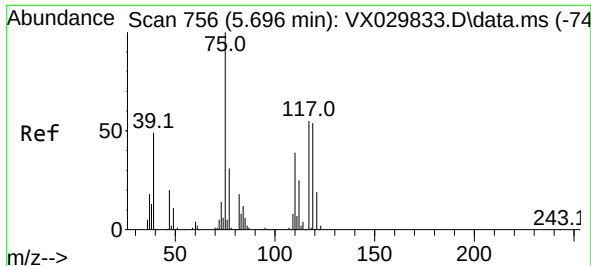
Tgt Ion:114 Resp: 301879
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.4
88 14.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.203 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion:113 Resp: 89103
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 18.0 14.8 22.2

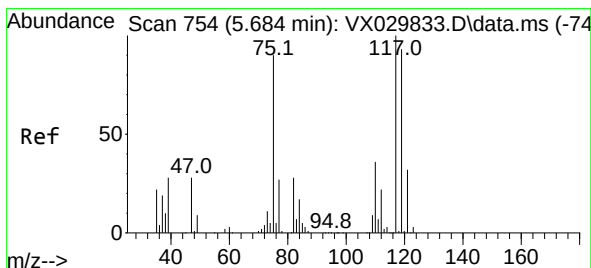
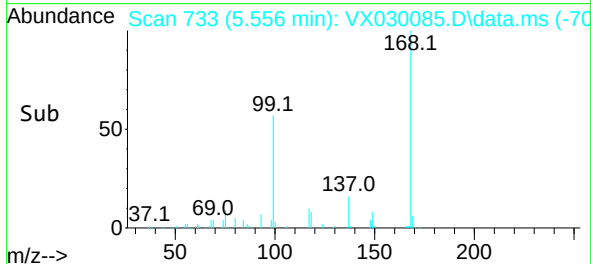
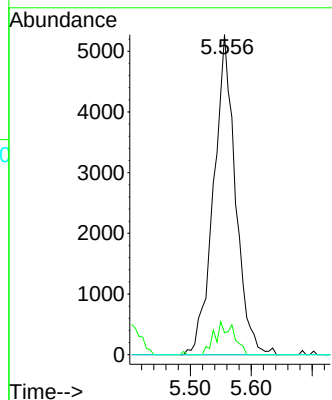
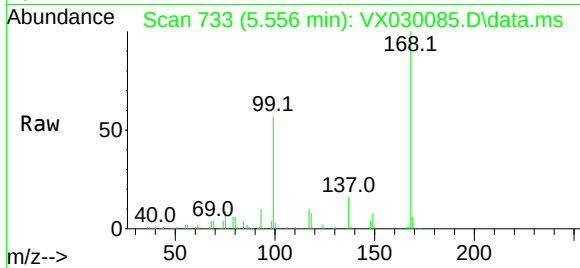




#36
1,1-Dichloropropene
Concen: 5.274 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

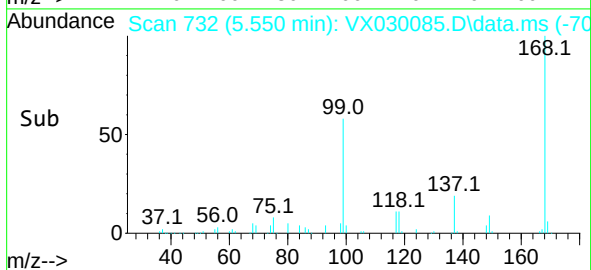
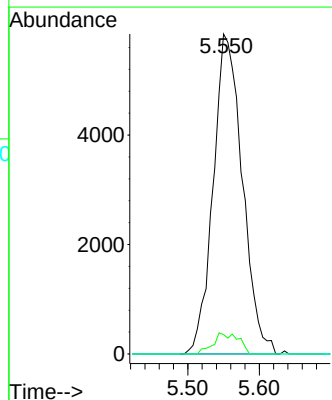
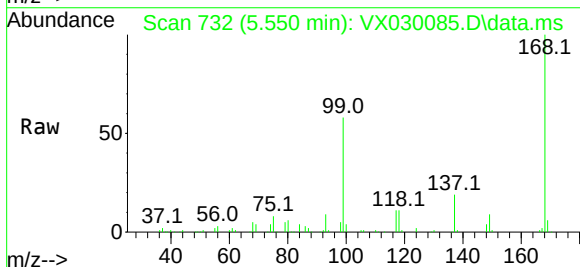
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

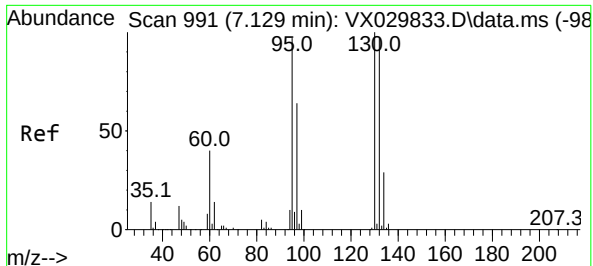
Tgt Ion: 75 Resp: 13138
Ion Ratio Lower Upper
75 100
110 8.9 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.120 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 117 Resp: 16539
Ion Ratio Lower Upper
117 100
119 6.0 74.1 111.1#
121 0.0 25.8 38.8#

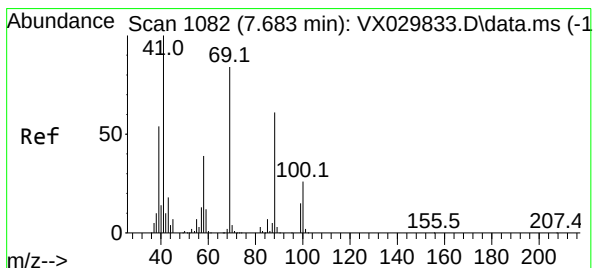
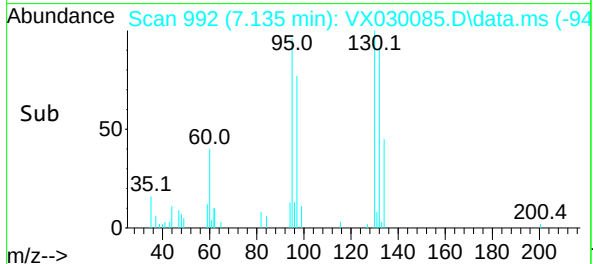
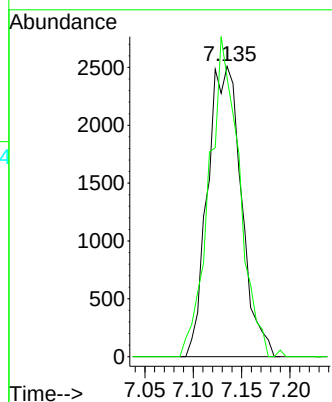
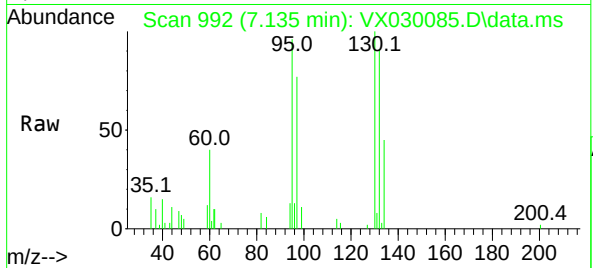




#44
Trichloroethene
Concen: 2.666 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

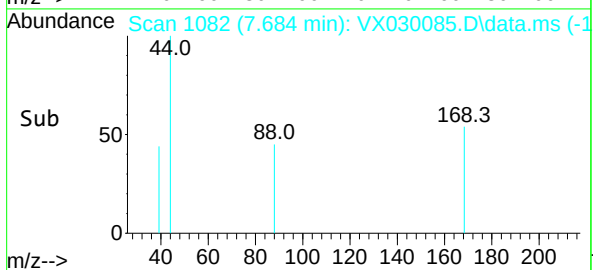
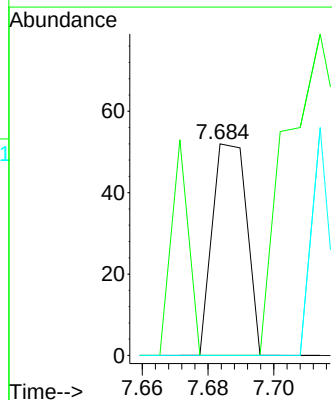
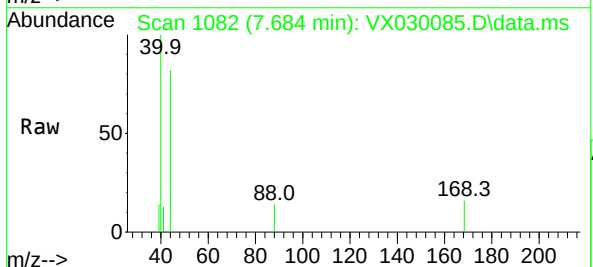
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

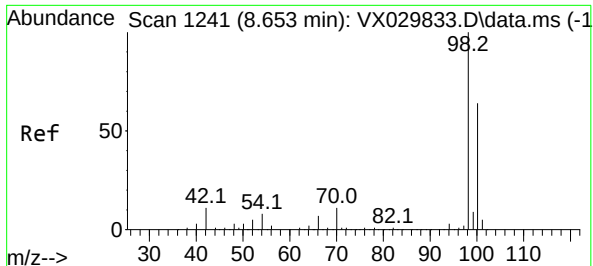
Tgt Ion:130 Resp: 6108
Ion Ratio Lower Upper
130 100
95 96.1 0.0 194.8



#49
1,4-Dioxane
Concen: 0.659 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.001 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 50.0 23.8 35.8#
58 0.0 53.8 80.6#

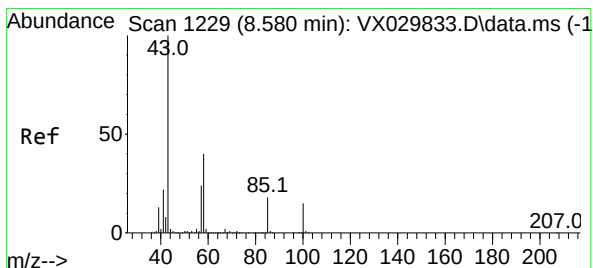
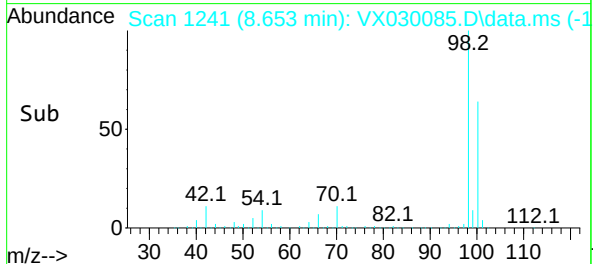
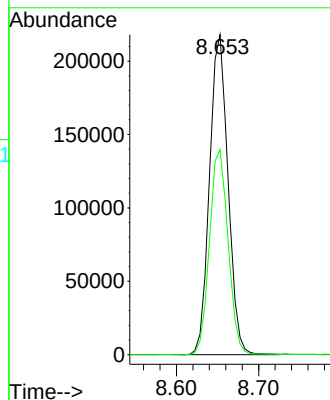
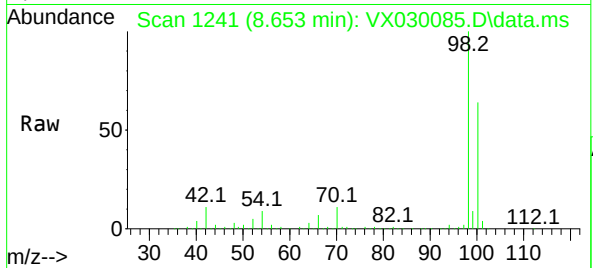




#50
Toluene-d8
Concen: 46.905 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

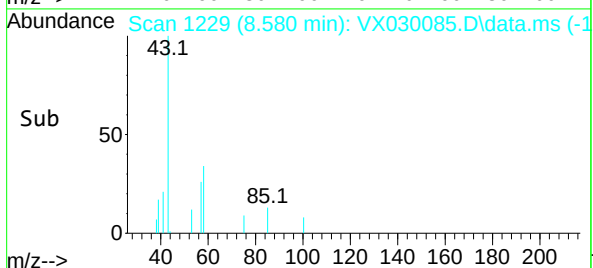
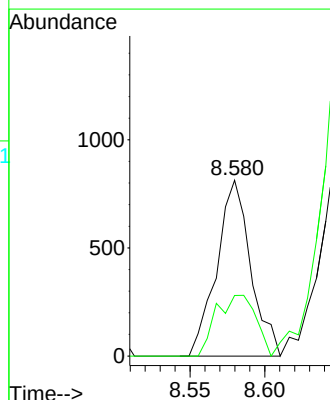
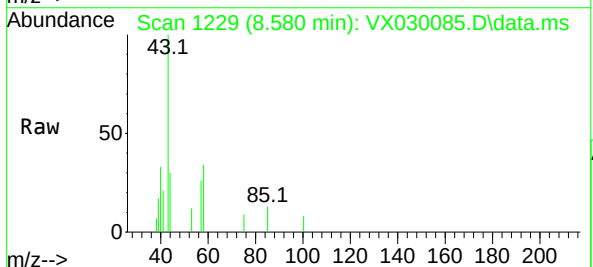
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

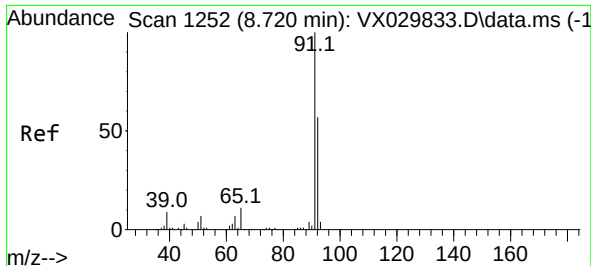
Tgt Ion: 98 Resp: 340204
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.403 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
58 40.3 31.4 47.2

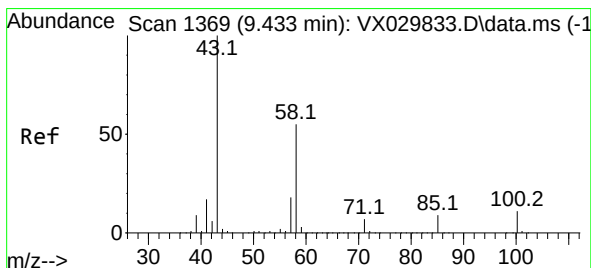
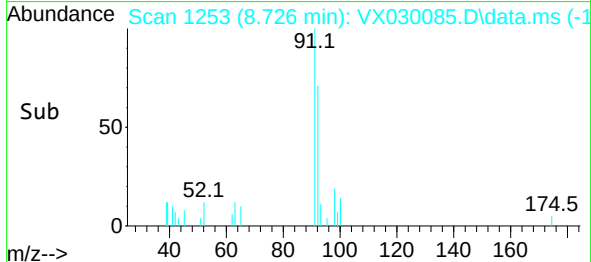
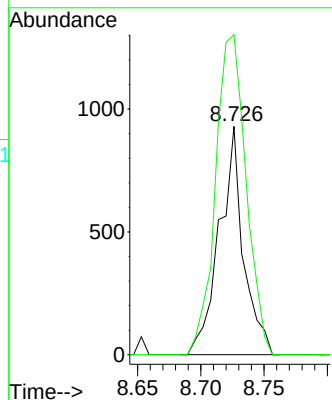
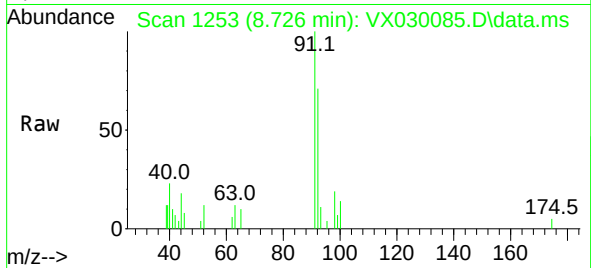




#52
Toluene
Concen: 0.247 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

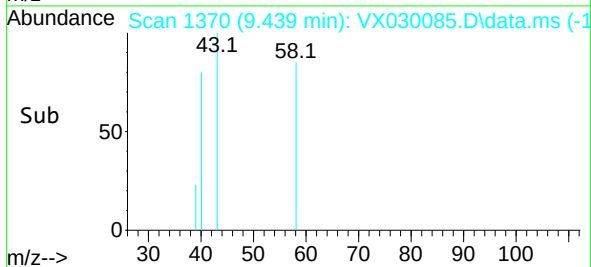
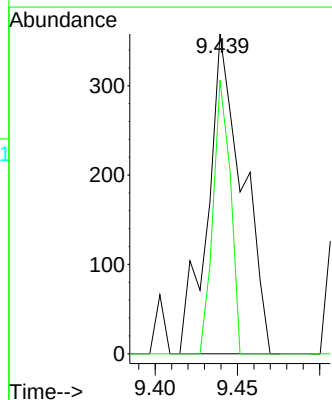
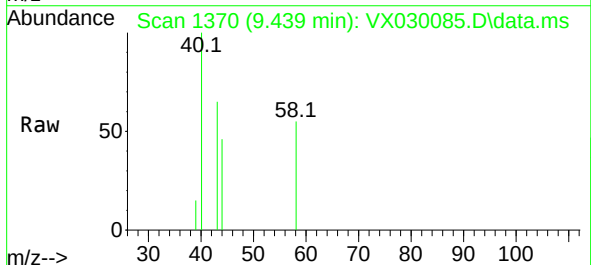
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

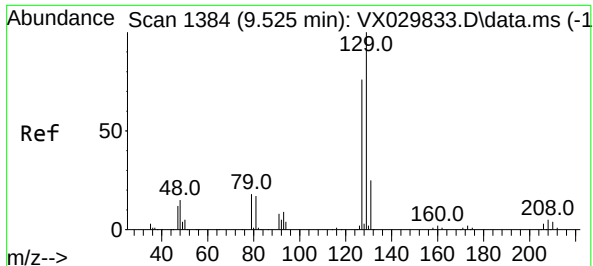
Tgt Ion: 92 Resp: 1228
Ion Ratio Lower Upper
92 100
91 178.9 139.2 208.8



#59
2-Hexanone
Concen: 0.216 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 42.3 27.6 82.8

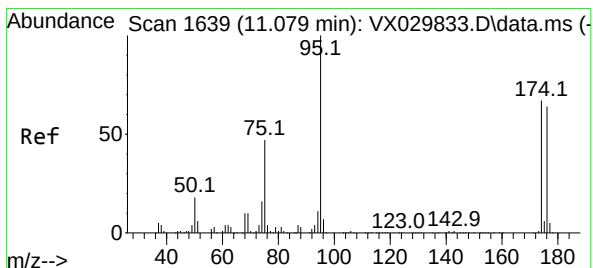
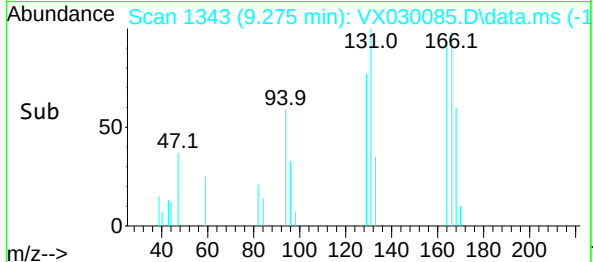
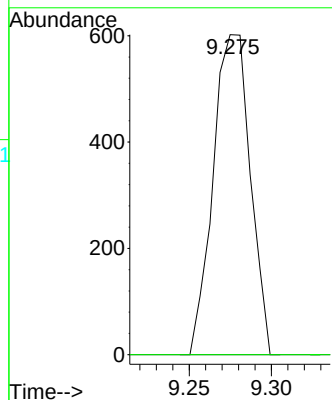
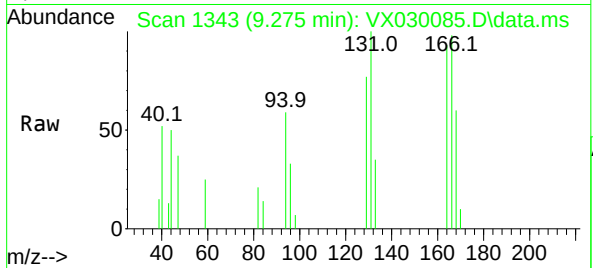




#60
Dibromochloromethane
Concen: 0.473 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

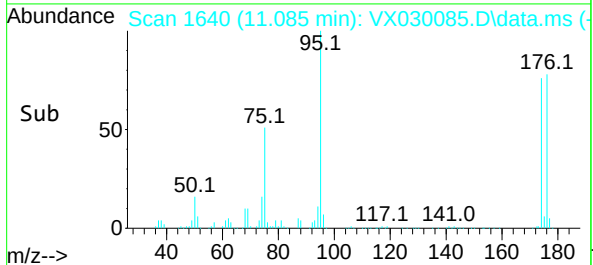
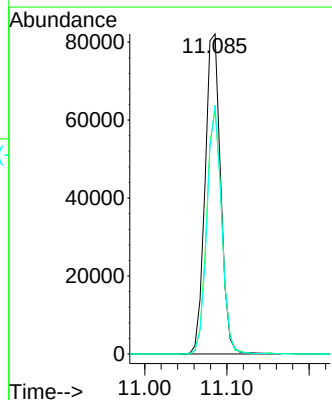
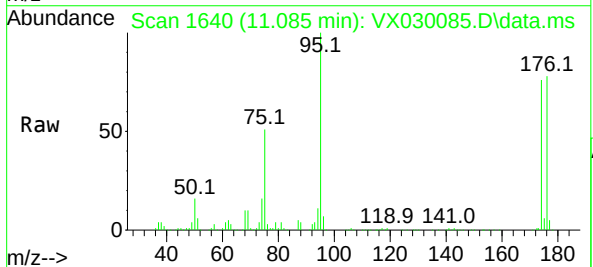
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

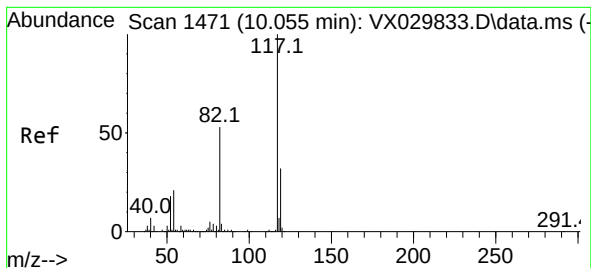
Tgt Ion:129 Resp: 947
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 42.883 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 95 Resp: 107938
Ion Ratio Lower Upper
95 100
174 74.1 0.0 149.0
176 73.3 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX030085.D

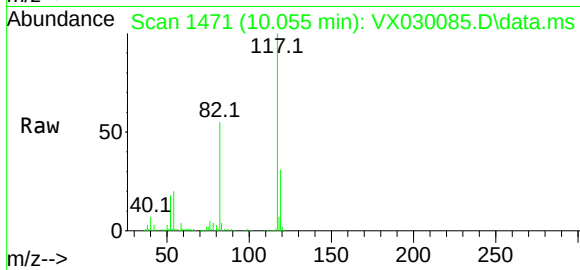
Acq: 15 Jul 2022 12:43

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-01-79-91-071322



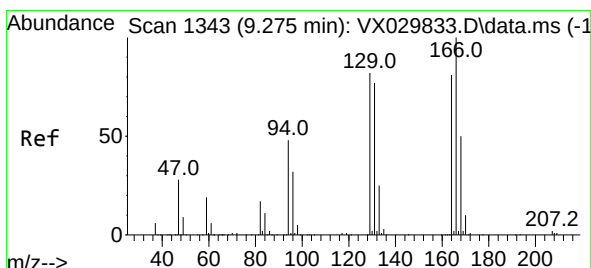
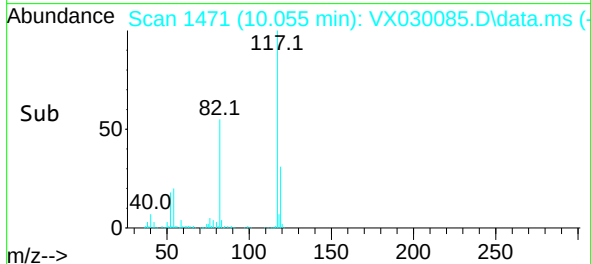
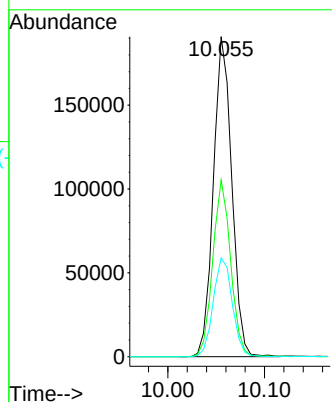
Tgt Ion:117 Resp: 251846

Ion Ratio Lower Upper

117 100

82 55.3 42.7 64.1

119 30.9 25.4 38.2



#64

Tetrachloroethene

Concen: 0.591 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX030085.D

Acq: 15 Jul 2022 12:43

Tgt Ion:164 Resp: 1194

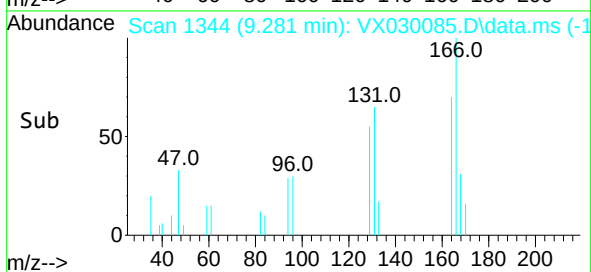
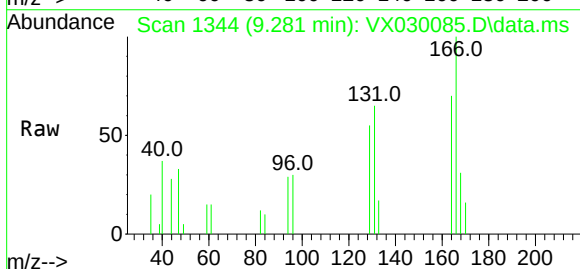
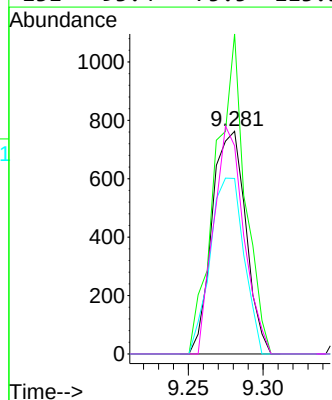
Ion Ratio Lower Upper

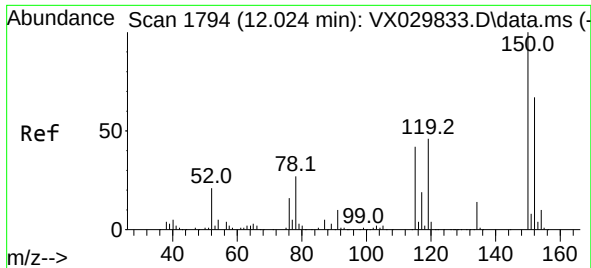
164 100

166 143.6 98.2 147.4

129 78.8 80.8 121.2#

131 93.4 75.5 113.3

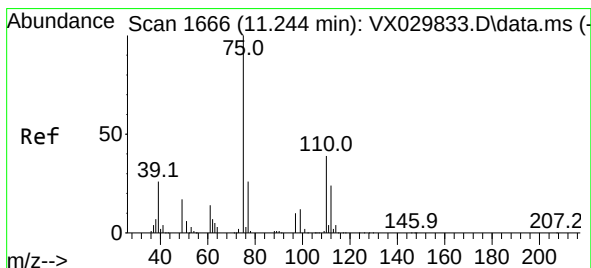
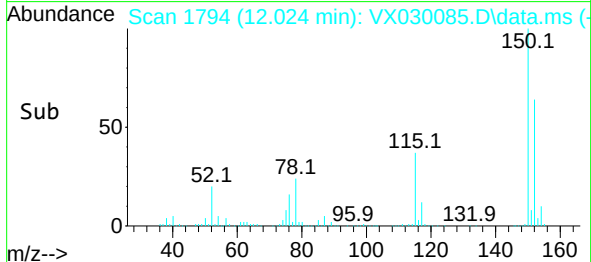
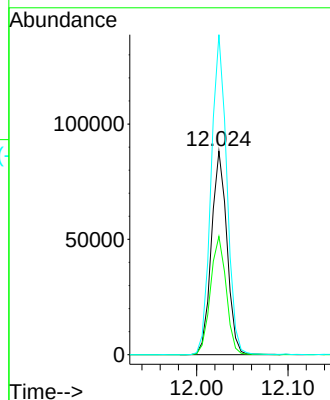
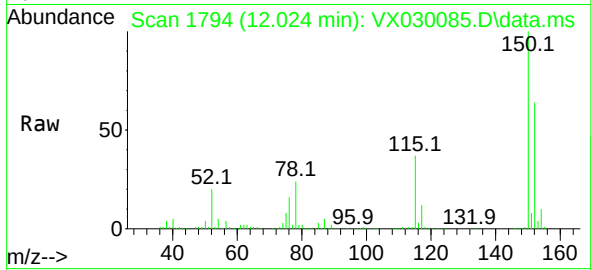




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

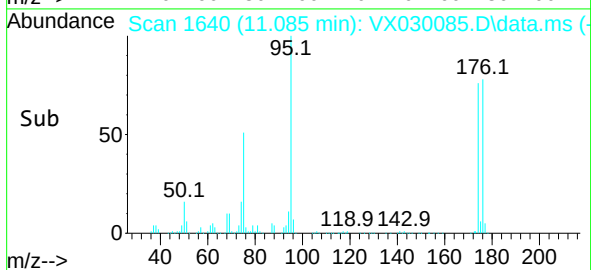
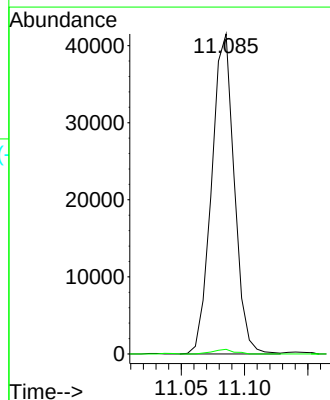
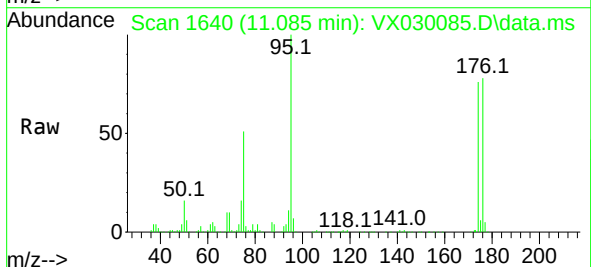
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

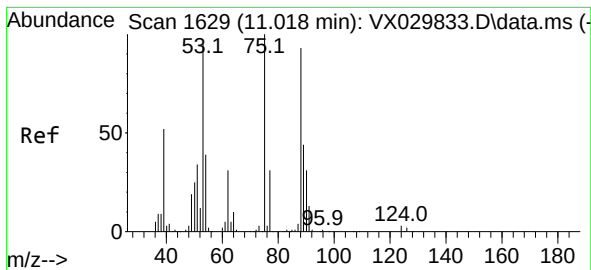
Tgt Ion:152 Resp: 103879
Ion Ratio Lower Upper
152 100
115 58.8 40.5 121.5
150 158.7 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 21.637 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 75 Resp: 51677
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#

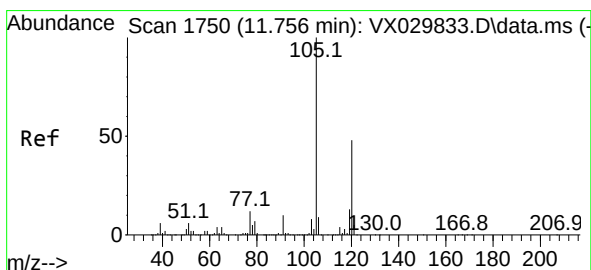
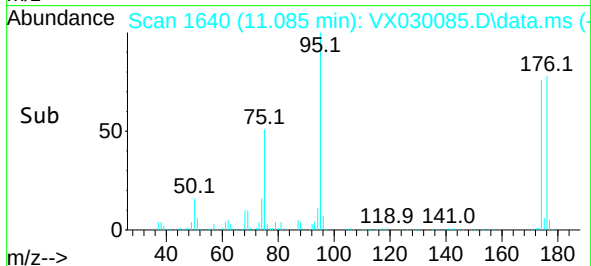
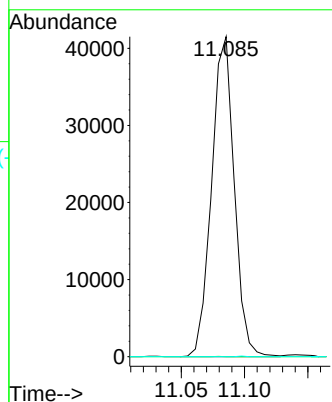
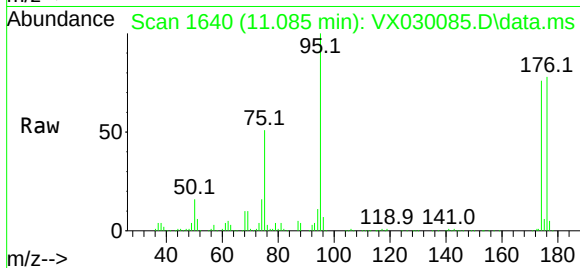




#81
trans-1,4-Dichloro-2-butene
Concen: 62.443 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

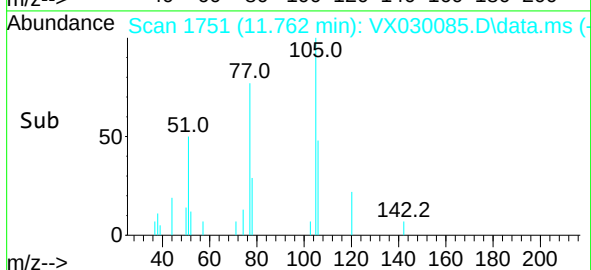
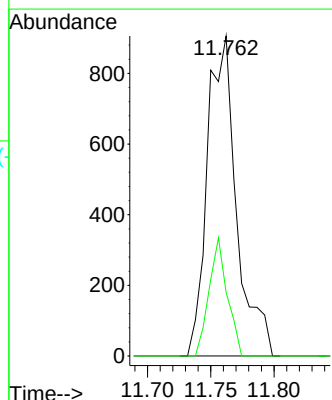
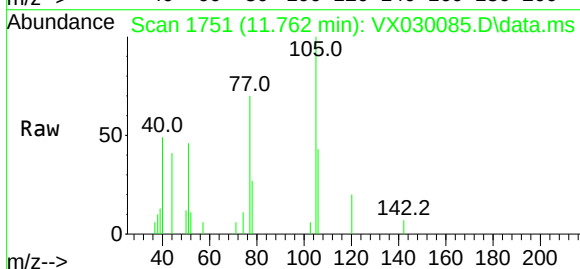
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-01-79-91-071322

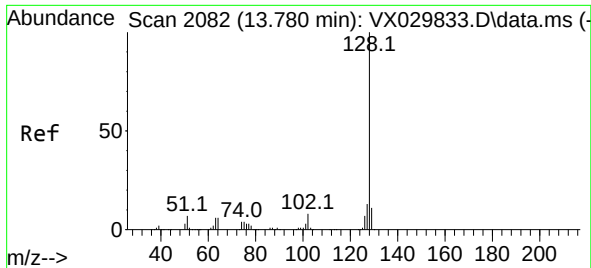
Tgt Ion: 75 Resp: 51677
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.241 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VX030085.D
Acq: 15 Jul 2022 12:43

Tgt Ion: 105 Resp: 1454
Ion Ratio Lower Upper
105 100
120 23.0 22.9 68.8





#95

Naphthalene

Concen: 1.079 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX030085.D

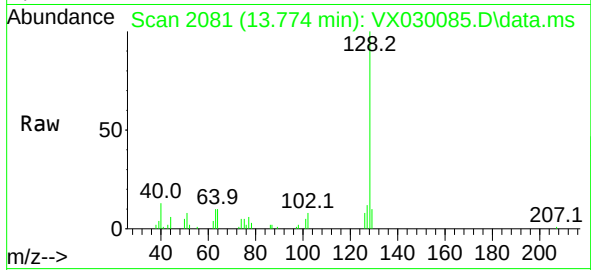
Acq: 15 Jul 2022 12:43

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-01-79-91-071322



Tgt Ion:	128	Resp:	8934
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.2
129	10.7	8.6	13.0

