

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050422\
 Data File : VN072325.D
 Acq On : 04 May 2022 14:02
 Operator : JC\MD
 Sample : N2680-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B4-GW

Quant Time: May 05 02:19:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

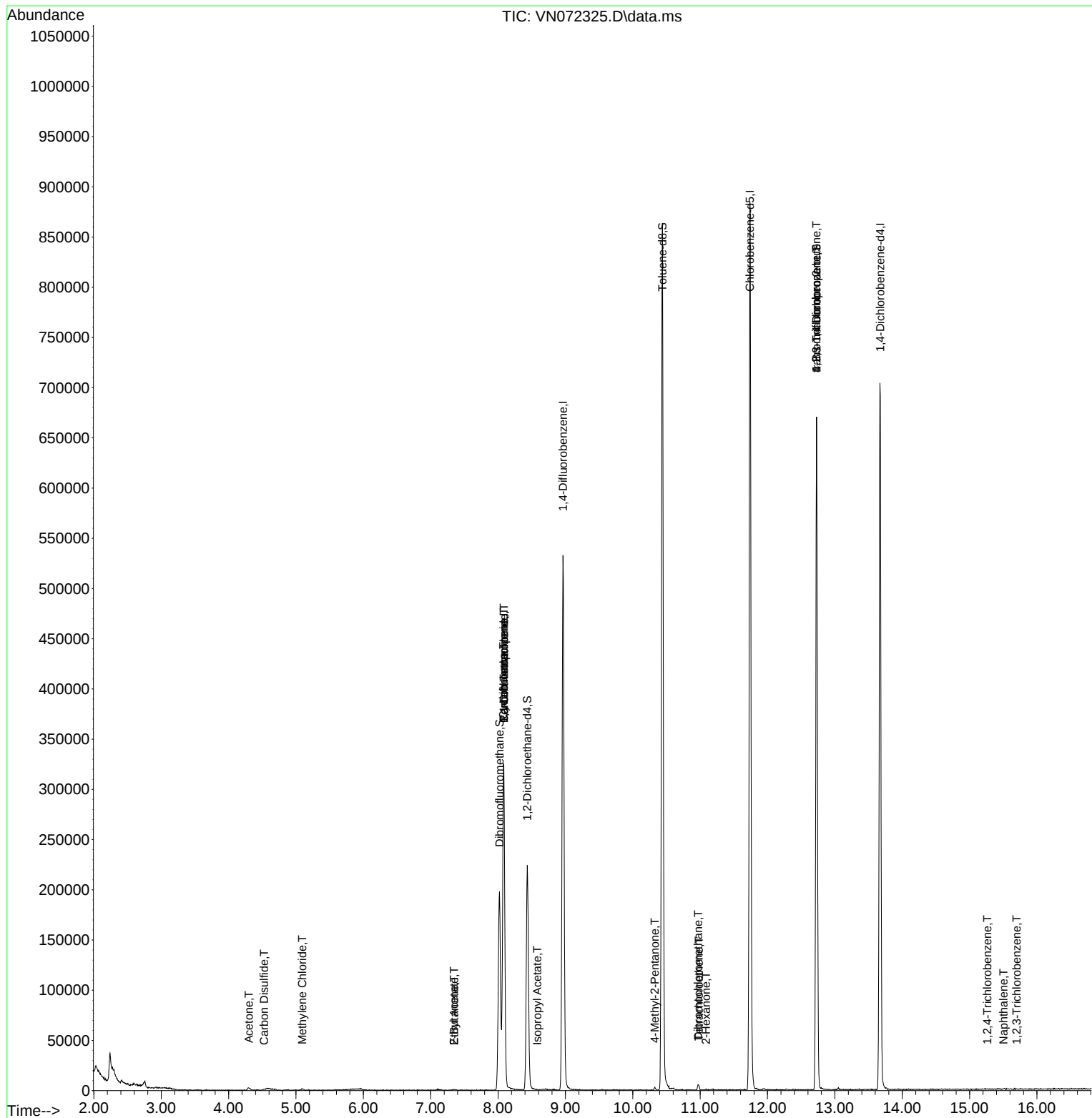
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	230570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	449853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	491929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	188513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	185418	52.381	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.760%	
35) Dibromofluoromethane	8.022	113	146050	50.724	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.440%	
50) Toluene-d8	10.439	98	582697	51.502	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.000%	
62) 4-Bromofluorobenzene	12.727	95	226626	60.348	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 120.700%	
Target Compounds						Qvalue
3) Chloromethane	2.304	50	1845	Below Cal	#	85
5) Bromomethane	2.845	94	167	Below Cal	#	2
6) Chloroethane	2.993	64	419	Below Cal	#	42
16) Acetone	4.298	43	3864	2.532	ug/l #	71
17) Carbon Disulfide	4.528	76	582	0.475	ug/l #	75
20) Methylene Chloride	5.092	84	871	0.298	ug/l #	59
25) 2-Butanone	7.345	43	1277	0.525	ug/l #	75
31) Cyclohexane	8.080	56	6045	1.278	ug/l #	48
36) 1,1-Dichloropropene	8.086	75	20894	4.985	ug/l #	49
37) Ethyl Acetate	7.345	43	1277	0.229	ug/l #	67
38) Carbon Tetrachloride	8.086	117	26571	5.920	ug/l #	17
43) Isopropyl Acetate	8.580	43	113	0.814	ug/l #	53
51) 4-Methyl-2-Pentanone	10.327	43	1679	0.320	ug/l #	72
59) 2-Hexanone	11.086	43	741	0.200	ug/l #	21
60) Dibromochloromethane	10.968	129	1419	0.426	ug/l #	11
64) Tetrachloroethene	10.980	164	1372	0.463	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.821	83	118	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	121422	28.678	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	121422	74.475	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	145	2.467	ug/l #	73
95) Naphthalene	15.503	128	881	4.382	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	186	2.734	ug/l #	68

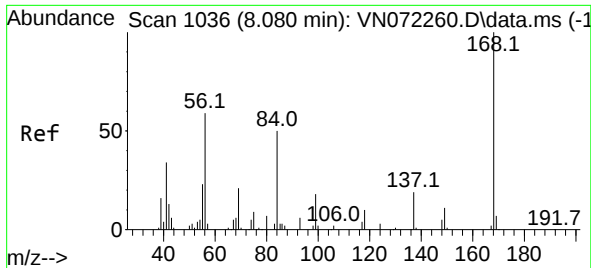
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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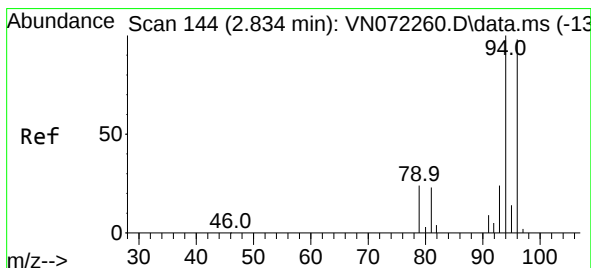
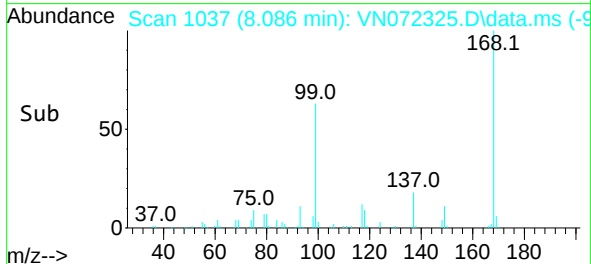
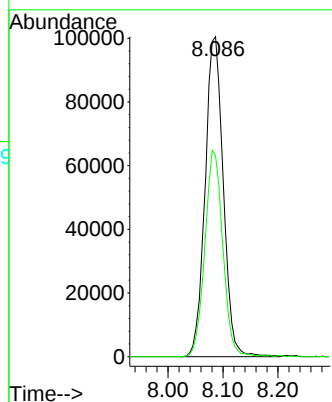
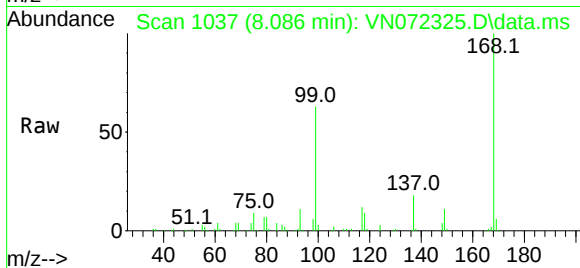




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

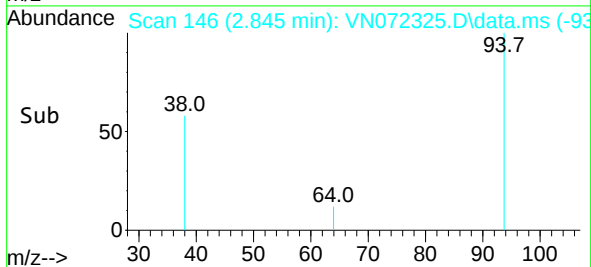
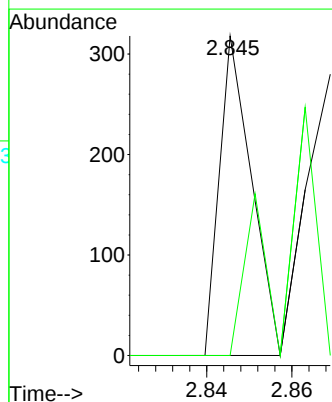
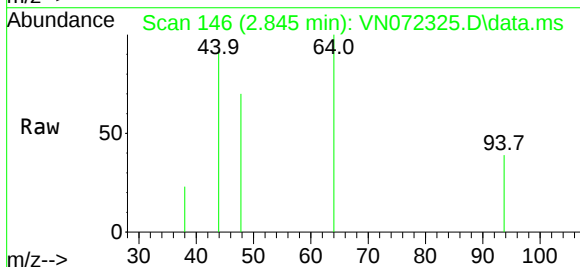
Instrument :
MSVOA_N
ClientSampleId :
B4-GW

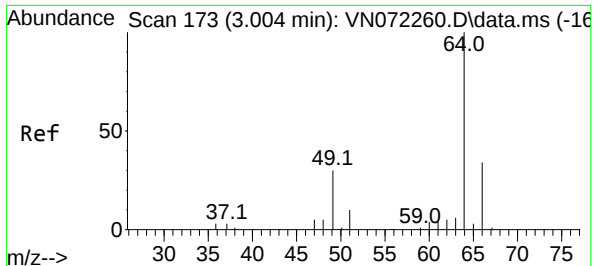
Tgt Ion:168 Resp: 230570
Ion Ratio Lower Upper
168 100
99 62.8 42.3 63.5



#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 146
Delta R.T. 0.011 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion: 94 Resp: 167
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

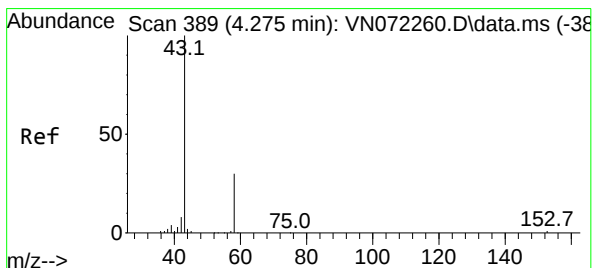
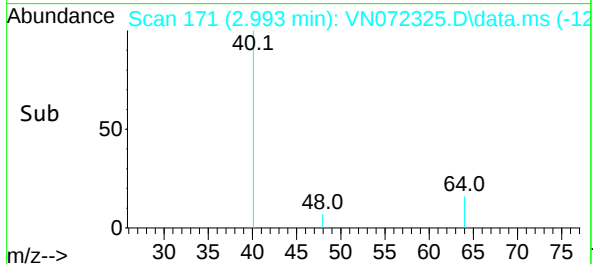
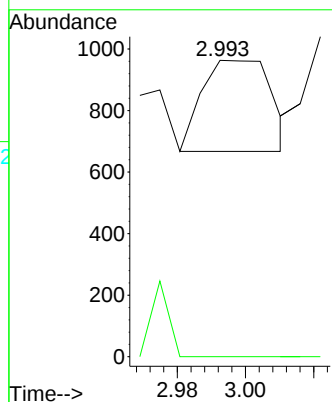
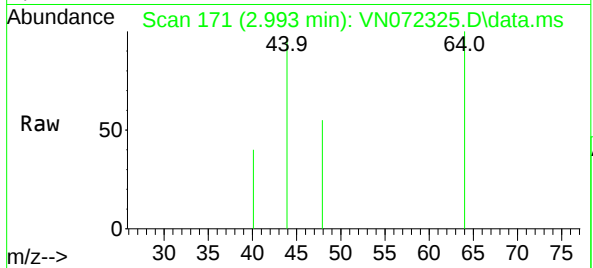




#6
Chloroethane
Concen: Below Cal
RT: 2.993 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

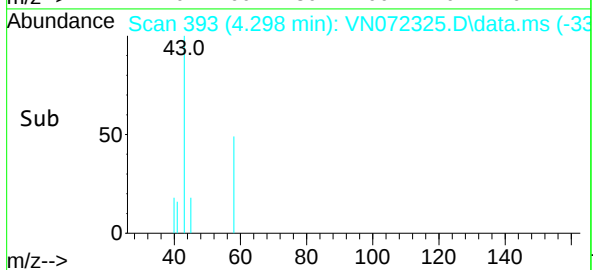
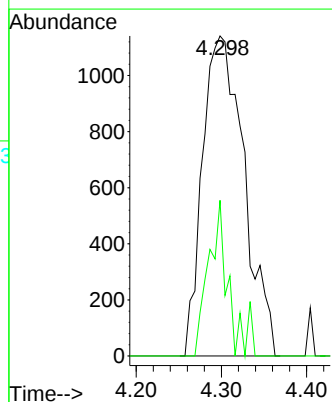
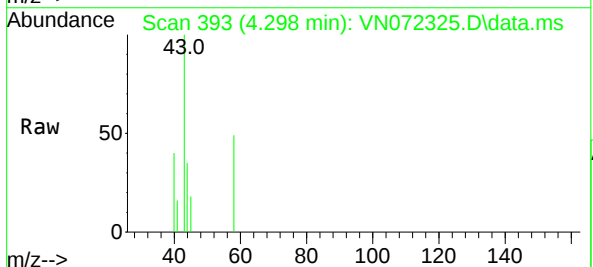
Instrument :
MSVOA_N
ClientSampleId :
B4-GW

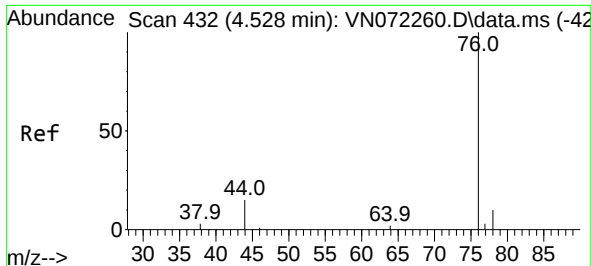
Tgt Ion: 64 Resp: 419
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 2.532 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion: 43 Resp: 3864
Ion Ratio Lower Upper
43 100
58 48.6 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.475 ug/l

RT: 4.528 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN072325.D

Acq: 04 May 2022 14:02

Instrument :

MSVOA_N

ClientSampleId :

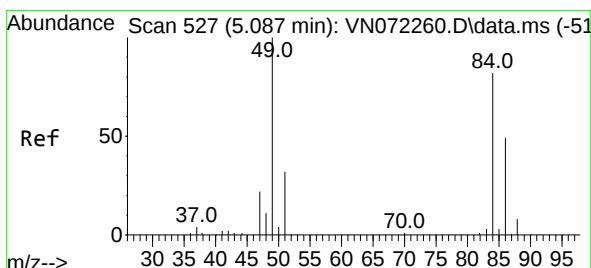
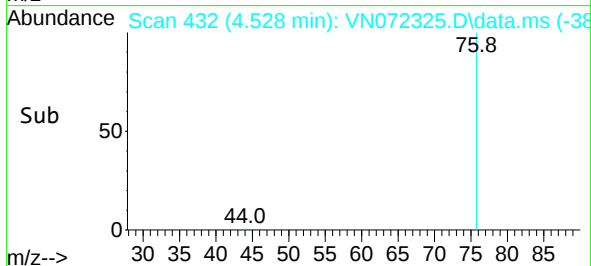
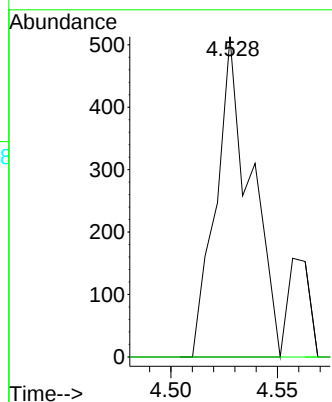
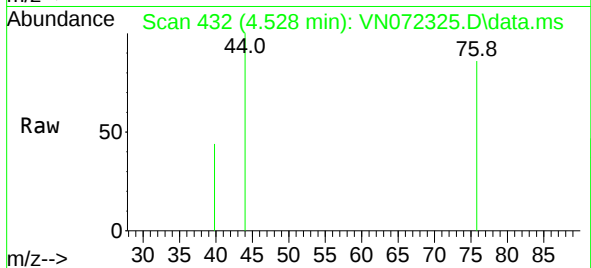
B4-GW

Tgt Ion: 76 Resp: 582

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.298 ug/l

RT: 5.092 min Scan# 528

Delta R.T. 0.005 min

Lab File: VN072325.D

Acq: 04 May 2022 14:02

Tgt Ion: 84 Resp: 871

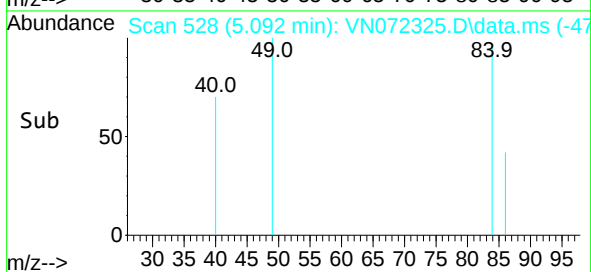
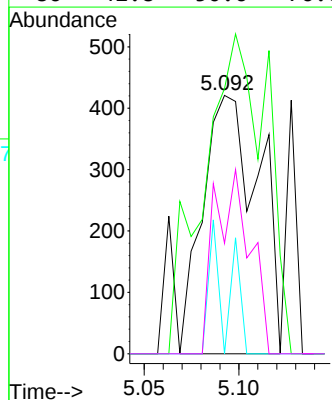
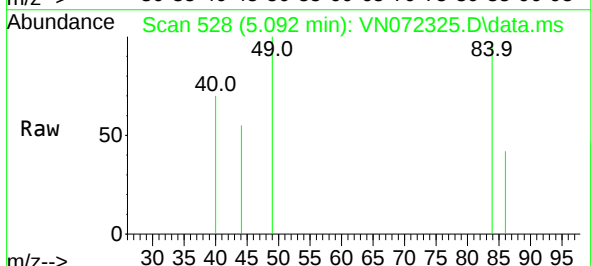
Ion Ratio Lower Upper

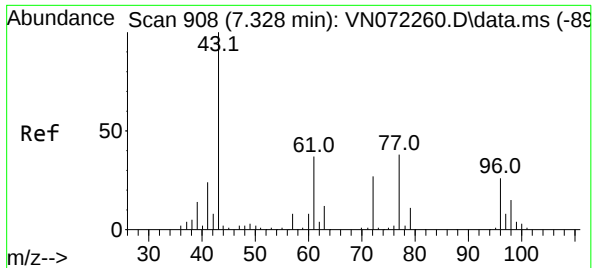
84 100

49 64.6 88.3 132.5#

51 0.0 28.2 42.2#

86 42.8 50.6 76.0#

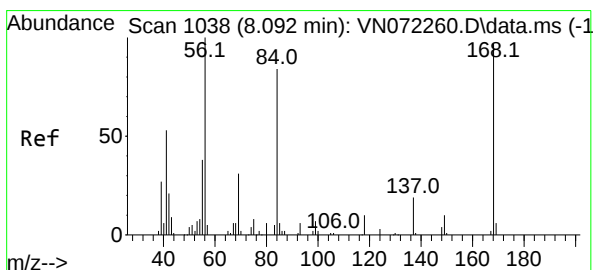
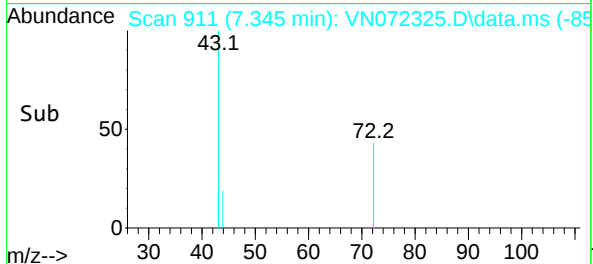
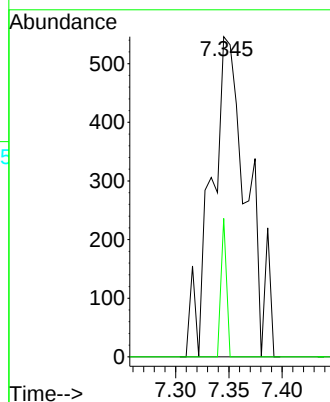
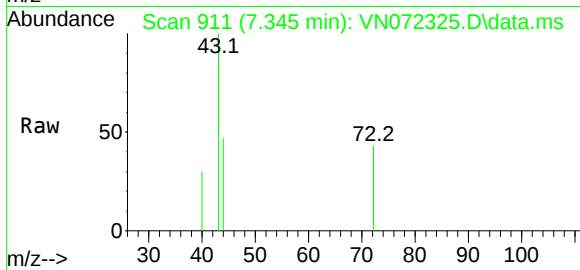




#25
2-Butanone
Concen: 0.525 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

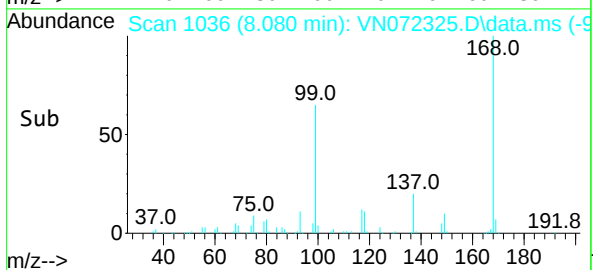
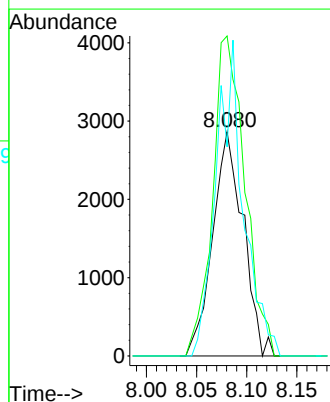
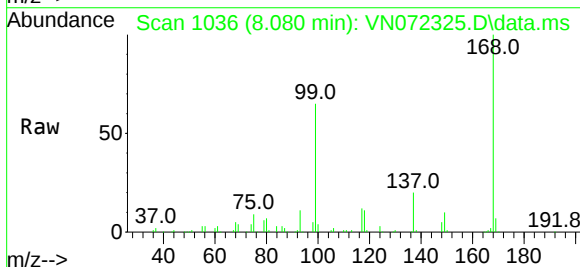
Instrument :
MSVOA_N
ClientSampleId :
B4-GW

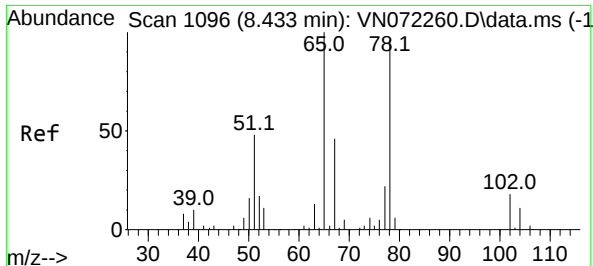
Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
72 43.2 23.7 35.5#



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion: 56 Resp: 6045
Ion Ratio Lower Upper
56 100
69 142.7 27.8 41.8#
84 93.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 52.381 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN072325.D

Acq: 04 May 2022 14:02

Instrument :

MSVOA_N

ClientSampleId :

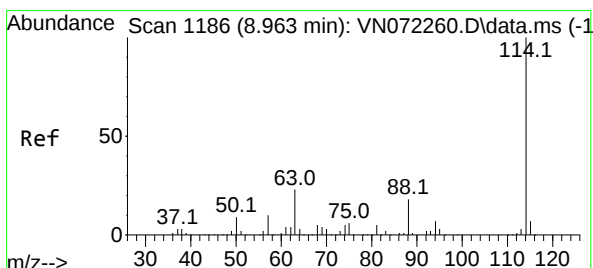
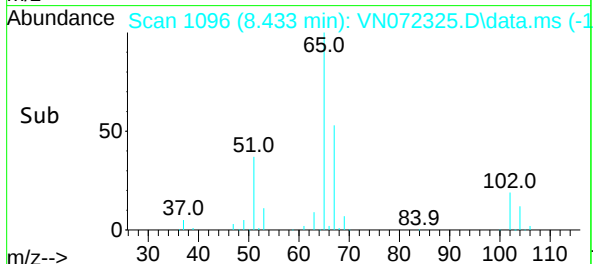
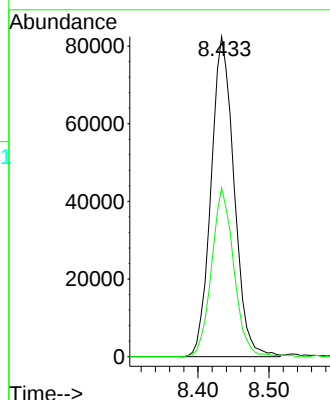
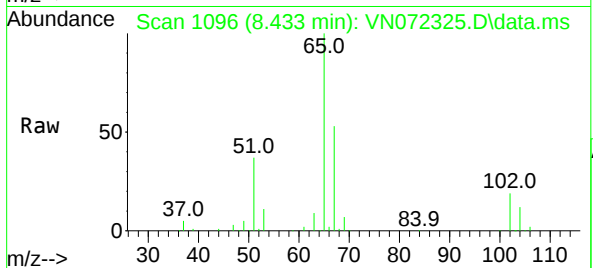
B4-GW

Tgt Ion: 65 Resp: 185418

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072325.D

Acq: 04 May 2022 14:02

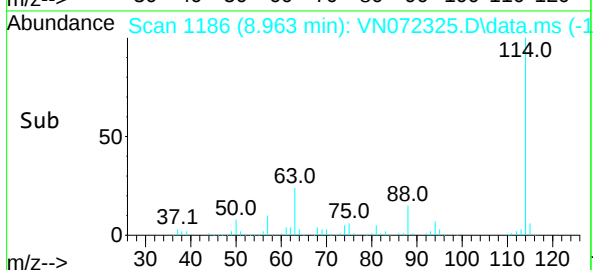
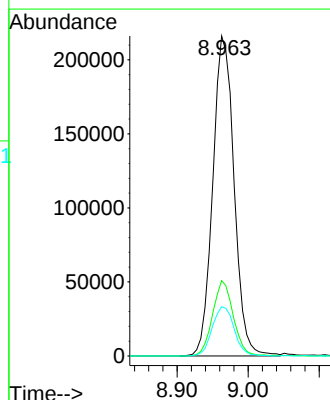
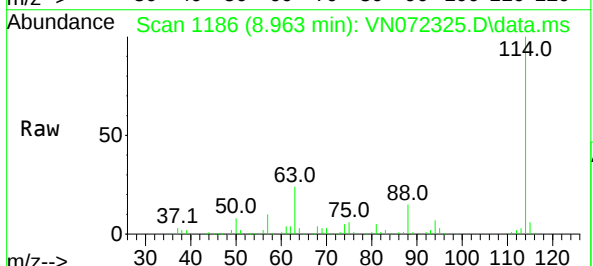
Tgt Ion: 114 Resp: 449853

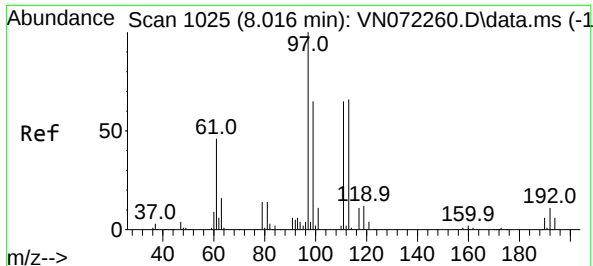
Ion Ratio Lower Upper

114 100

63 23.5 0.0 40.0

88 15.4 0.0 32.6

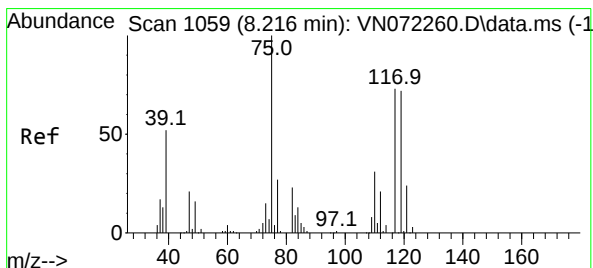
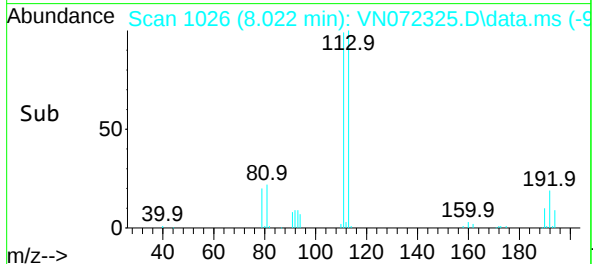
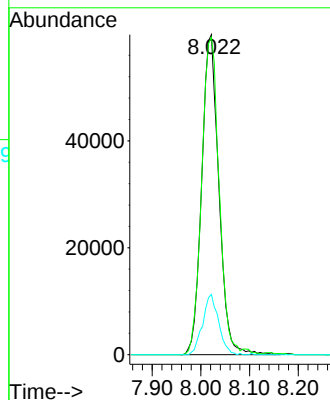
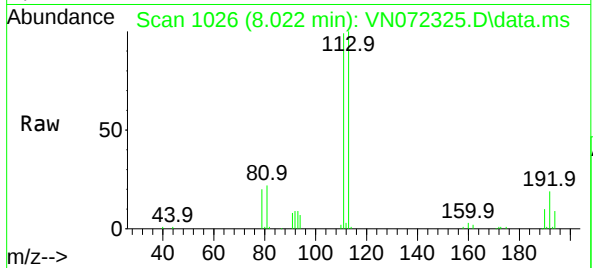




#35
Dibromofluoromethane
Concen: 50.724 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

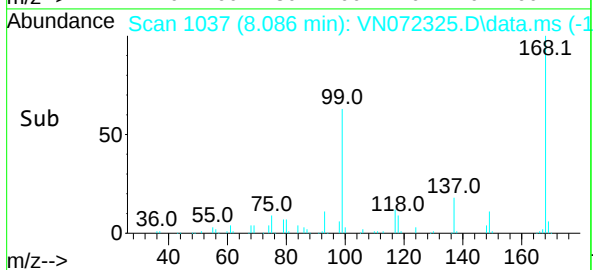
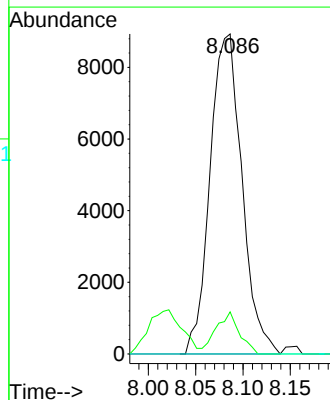
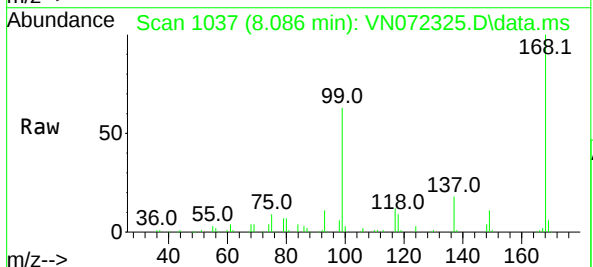
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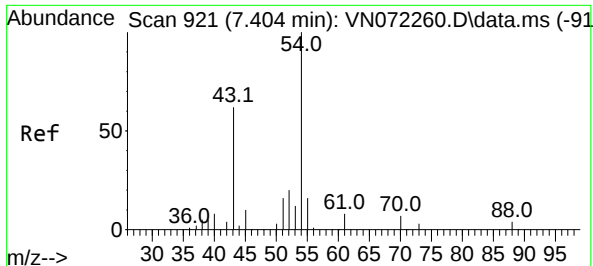
Tgt Ion:113 Resp: 146050
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.0
192 17.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion: 75 Resp: 20894
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 25.1 37.7#

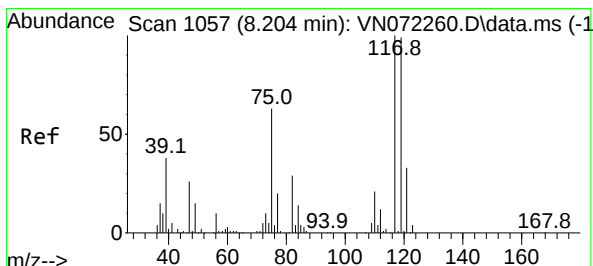
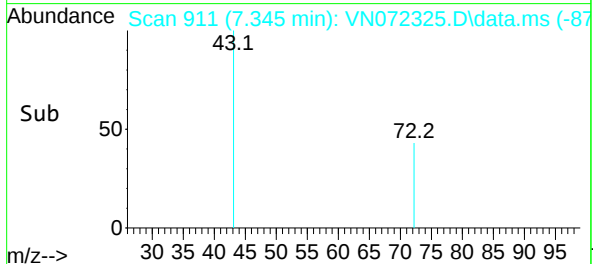
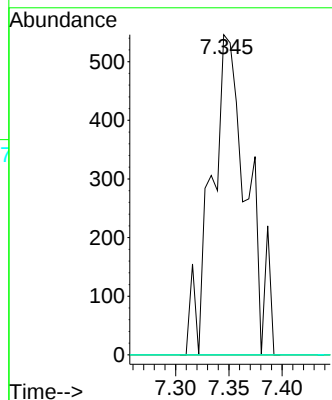
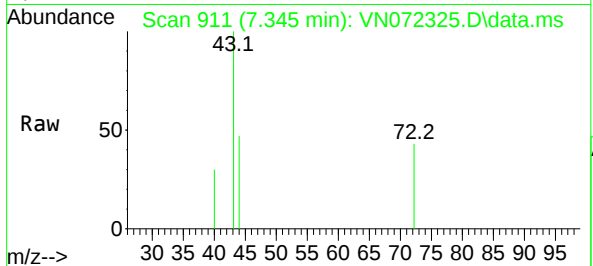




#37
Ethyl Acetate
Concen: 0.229 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.065 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

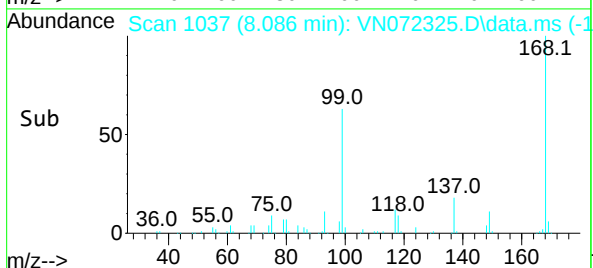
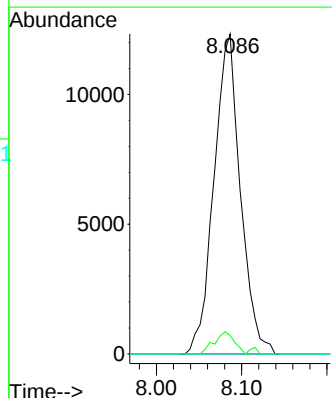
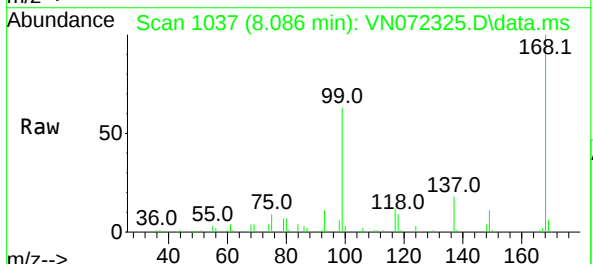
Instrument :
MSVOA_N
ClientSampleId :
B4-GW

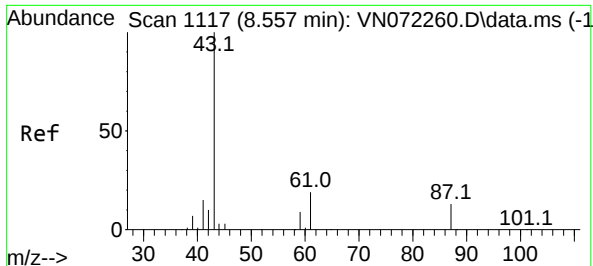
Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.920 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion: 117 Resp: 26571
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.814 ug/l

RT: 8.580 min Scan# 1117

Delta R.T. 0.023 min

Lab File: VN072325.D

Acq: 04 May 2022 14:02

Instrument :

MSVOA_N

ClientSampleId :

B4-GW

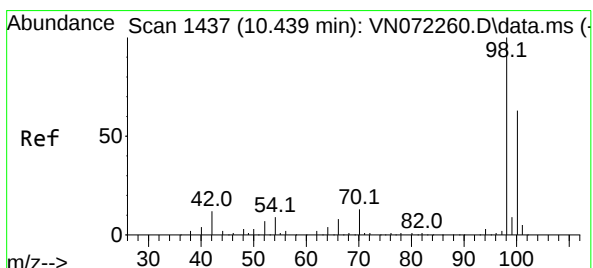
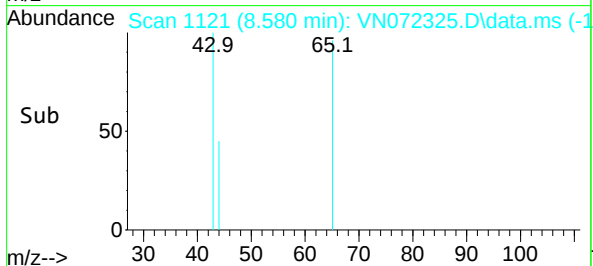
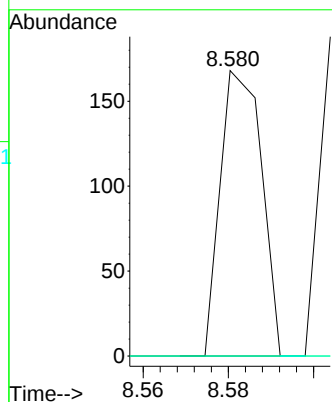
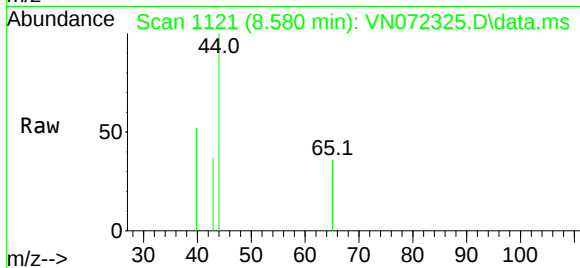
Tgt Ion: 43 Resp: 113

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 51.502 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072325.D

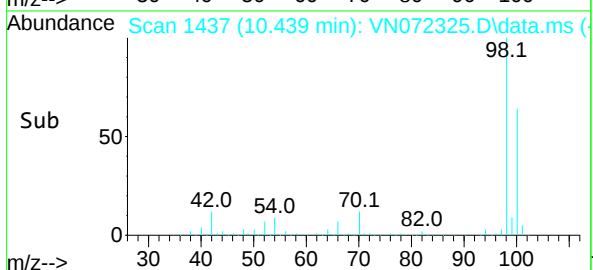
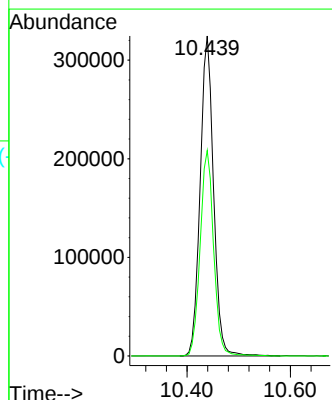
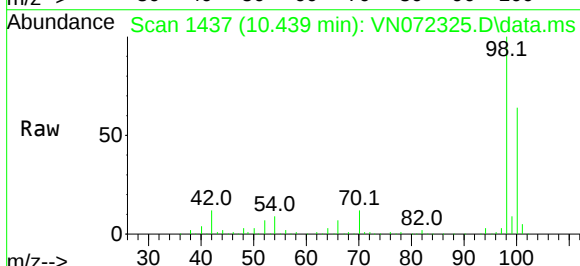
Acq: 04 May 2022 14:02

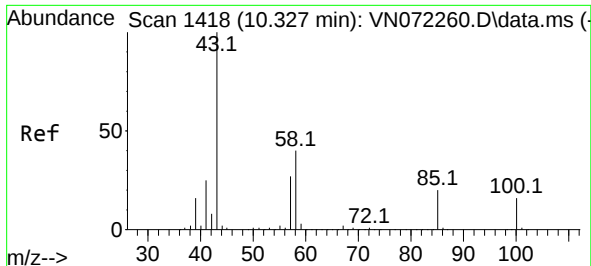
Tgt Ion: 98 Resp: 582697

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8

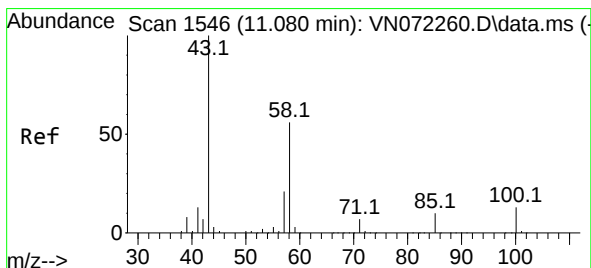
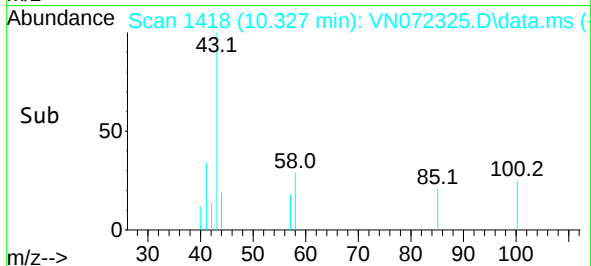
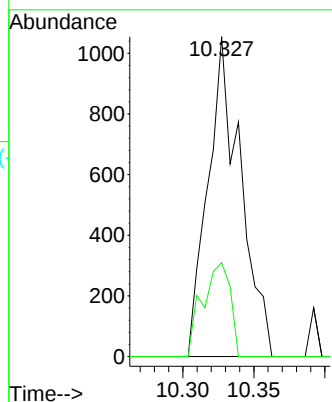
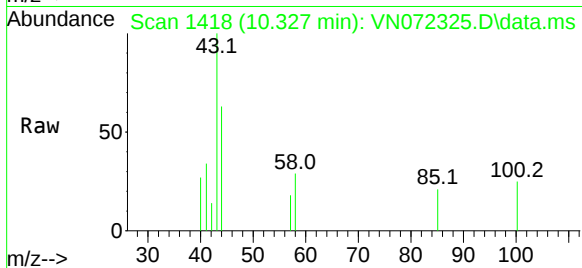




#51
4-Methyl-2-Pentanone
Concen: 0.320 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

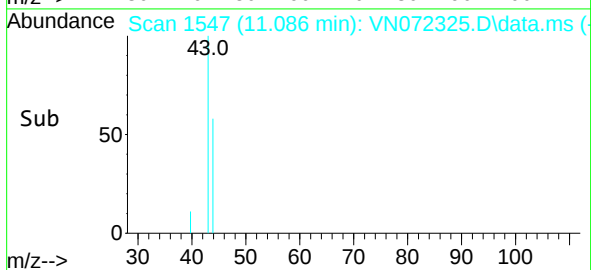
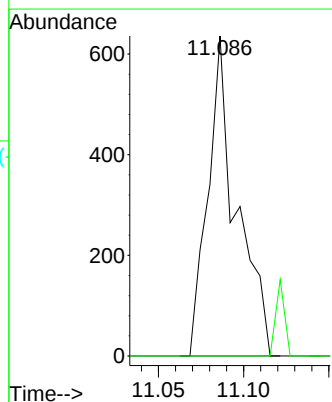
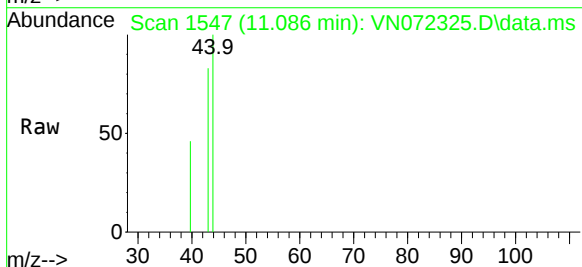
Instrument :
MSVOA_N
ClientSampleId :
B4-GW

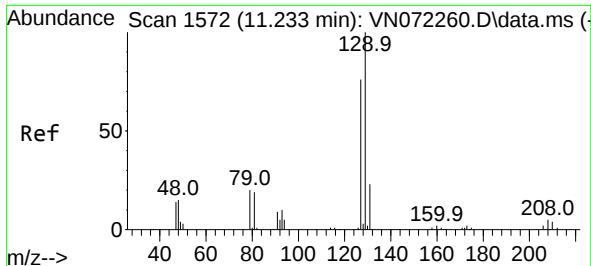
Tgt Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
58 24.9 34.1 51.1#



#59
2-Hexanone
Concen: 0.200 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

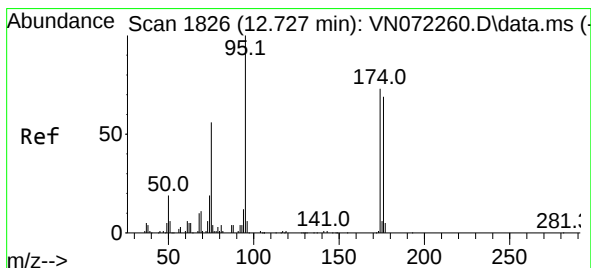
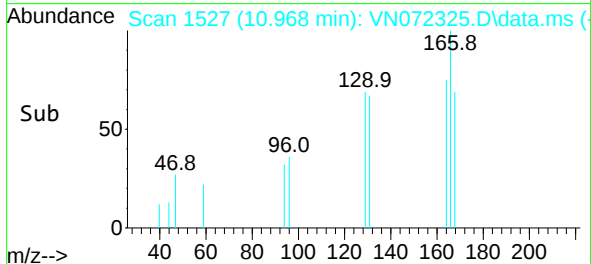
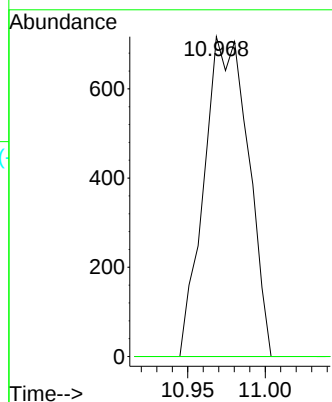
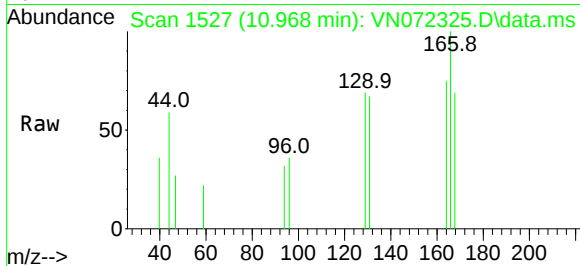




#60
Dibromochloromethane
Concen: 0.426 ug/l
RT: 10.968 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

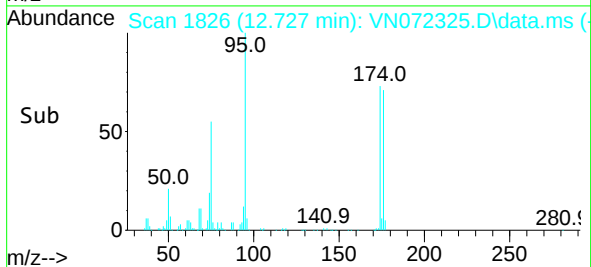
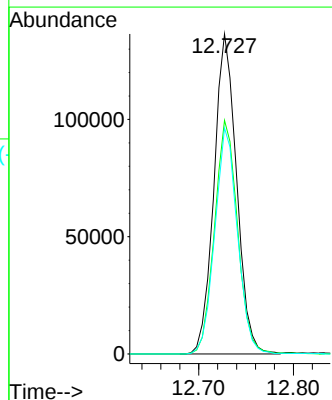
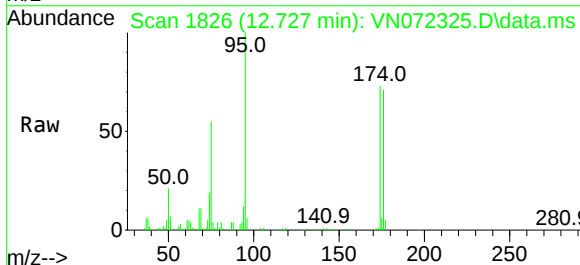
Instrument :
MSVOA_N
ClientSampleId :
B4-GW

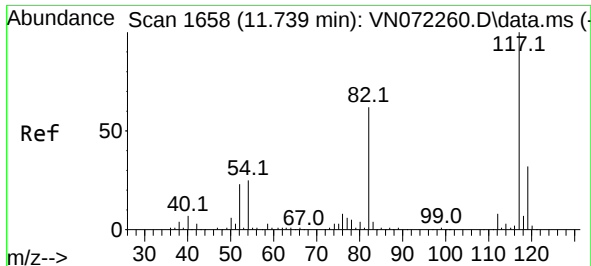
Tgt Ion:129 Resp: 1419
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 60.348 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion: 95 Resp: 226626
Ion Ratio Lower Upper
95 100
174 74.5 0.0 167.6
176 70.7 0.0 163.4

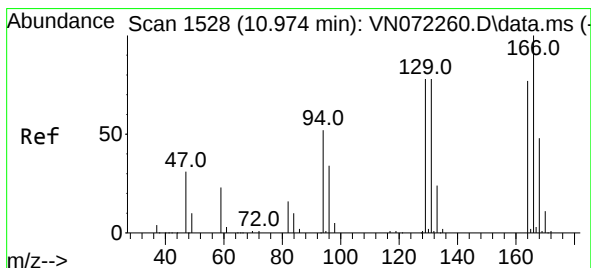
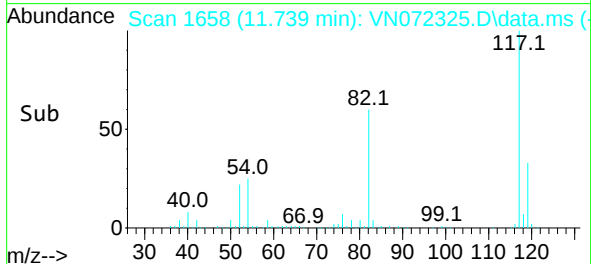
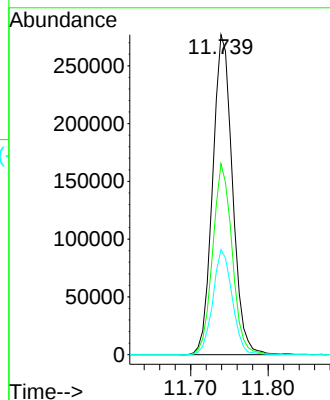
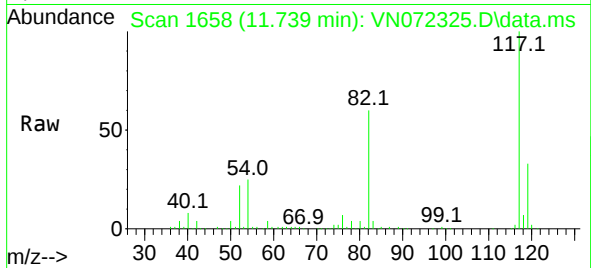




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

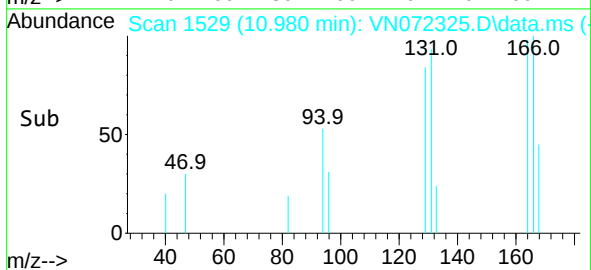
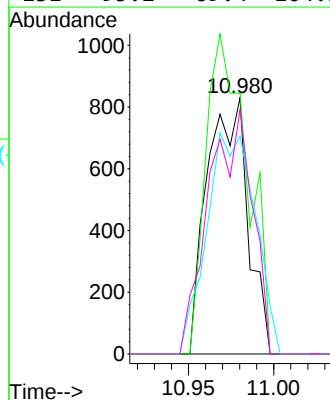
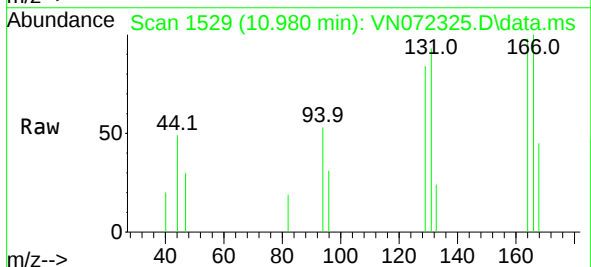
Instrument :
MSVOA_N
ClientSampleId :
B4-GW

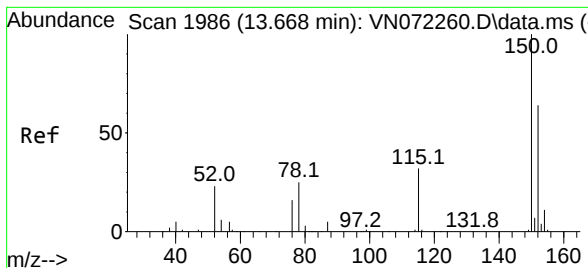
Tgt Ion:117 Resp: 491929
Ion Ratio Lower Upper
117 100
82 59.7 44.2 66.2
119 32.8 25.4 38.0



#64
Tetrachloroethene
Concen: 0.463 ug/l
RT: 10.980 min Scan# 1529
Delta R.T. 0.005 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion:164 Resp: 1372
Ion Ratio Lower Upper
164 100
166 101.8 104.2 156.2#
129 85.1 73.9 110.9
131 95.2 69.4 104.2

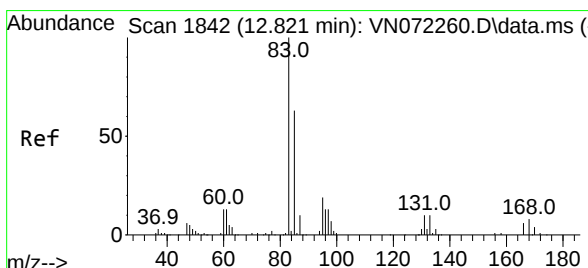
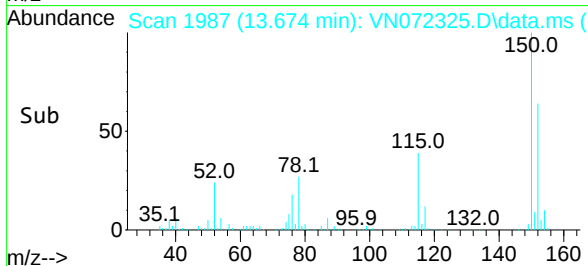
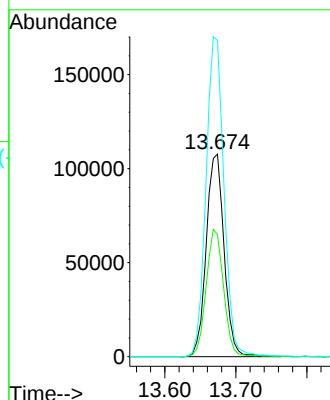
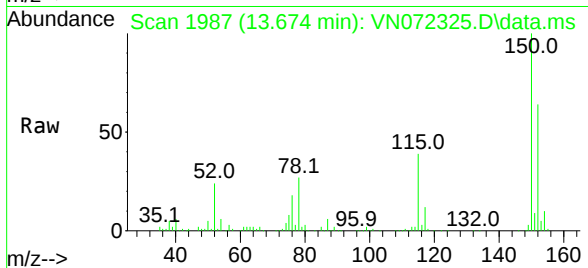




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1987
 Delta R.T. 0.005 min
 Lab File: VN072325.D
 Acq: 04 May 2022 14:02

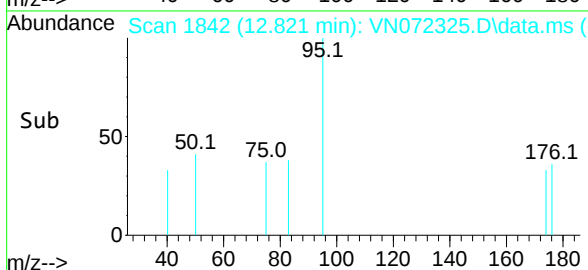
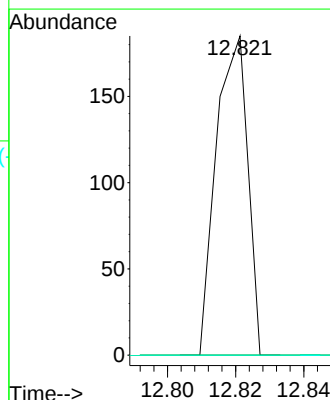
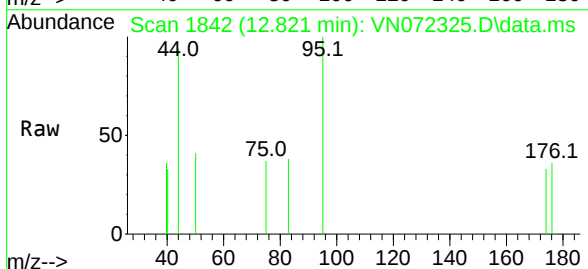
Instrument :
 MSVOA_N
 ClientSampleId :
 B4-GW

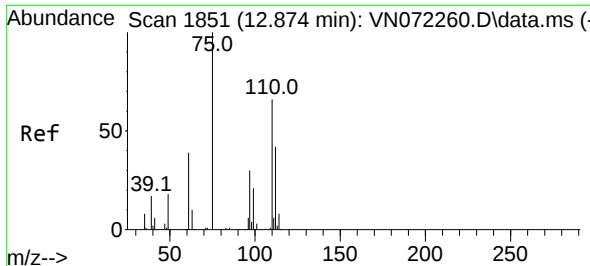
Tgt Ion:152 Resp: 188513
 Ion Ratio Lower Upper
 152 100
 115 61.6 28.9 86.7
 150 158.5 0.0 356.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.821 min Scan# 1842
 Delta R.T. -0.001 min
 Lab File: VN072325.D
 Acq: 04 May 2022 14:02

Tgt Ion: 83 Resp: 118
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.9#
 85 0.0 32.3 96.9#

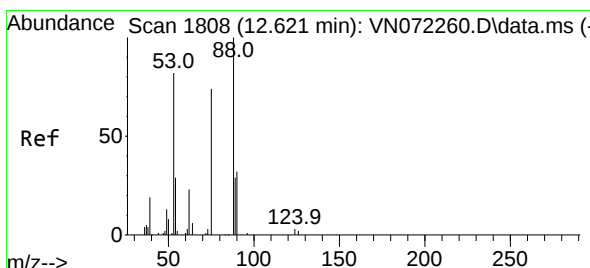
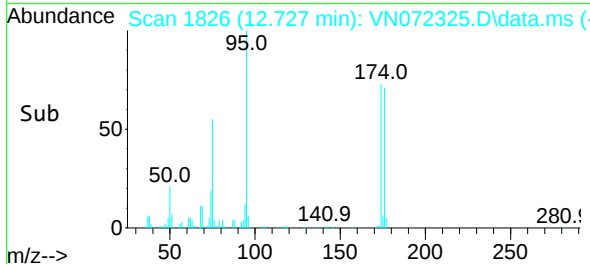
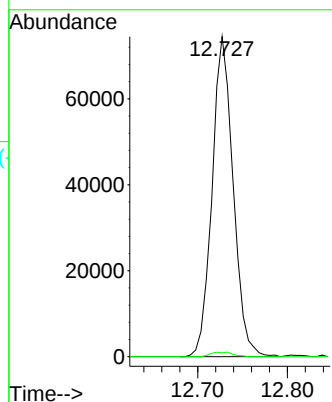
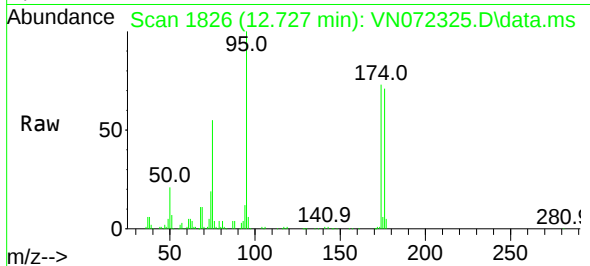




#76
1,2,3-Trichloropropane
Concen: 28.678 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

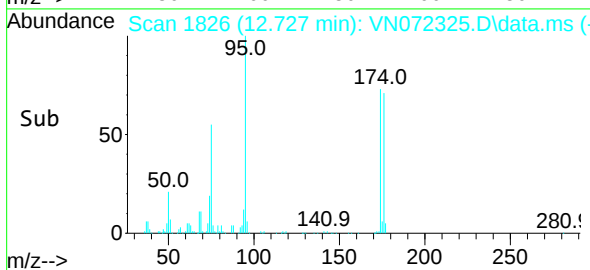
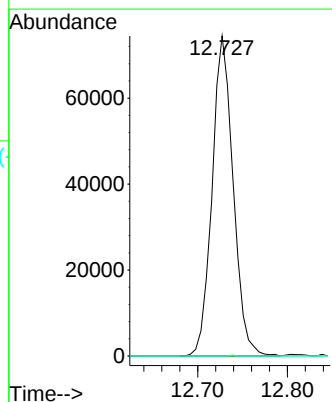
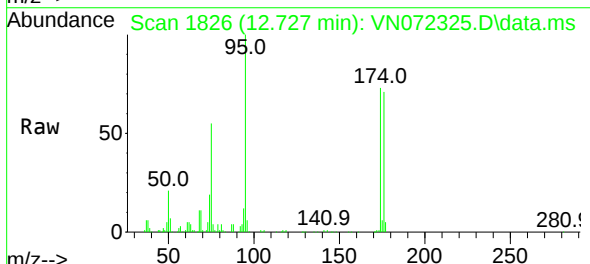
Instrument :
MSVOA_N
ClientSampleId :
B4-GW

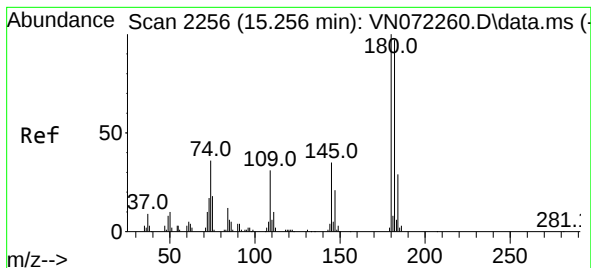
Tgt Ion: 75 Resp: 121422
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.475 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072325.D
Acq: 04 May 2022 14:02

Tgt Ion: 75 Resp: 121422
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 2.467 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN072325.D

Acq: 04 May 2022 14:02

Instrument :

MSVOA_N

ClientSampleId :

B4-GW

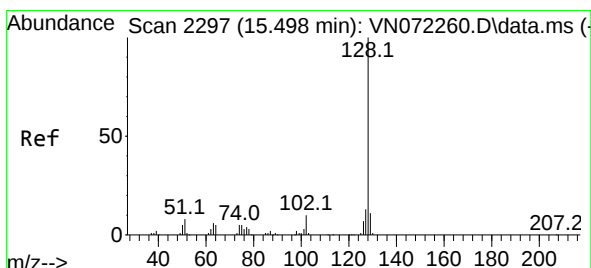
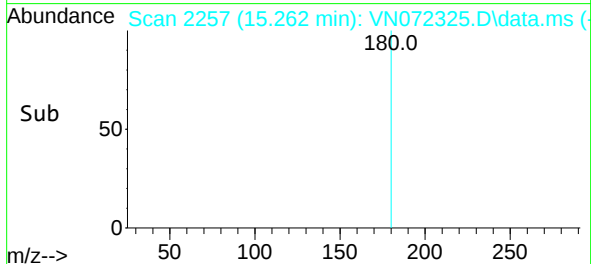
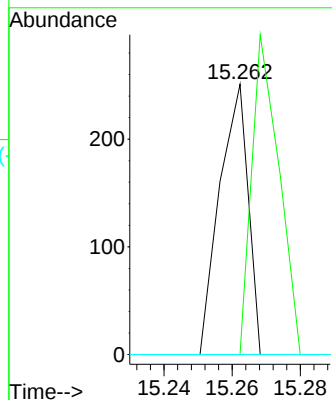
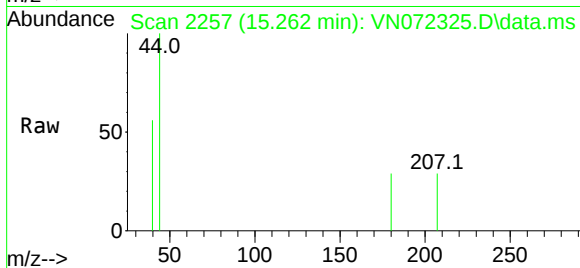
Tgt Ion:180 Resp: 145

Ion Ratio Lower Upper

180 100

182 113.1 47.5 142.5

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 4.382 ug/l

RT: 15.503 min Scan# 2298

Delta R.T. 0.005 min

Lab File: VN072325.D

Acq: 04 May 2022 14:02

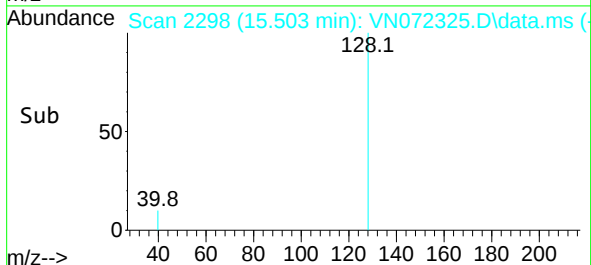
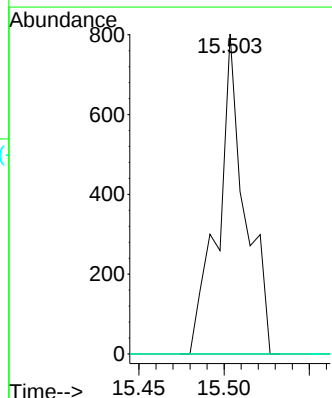
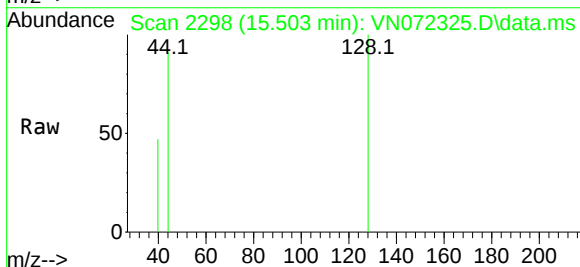
Tgt Ion:128 Resp: 881

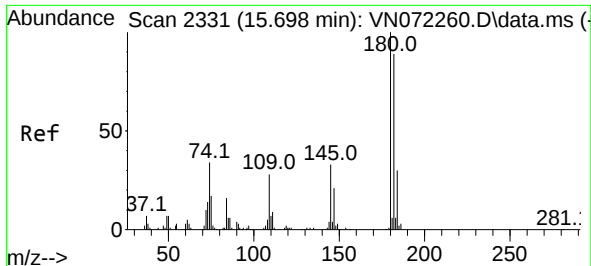
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 2.734 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072325.D

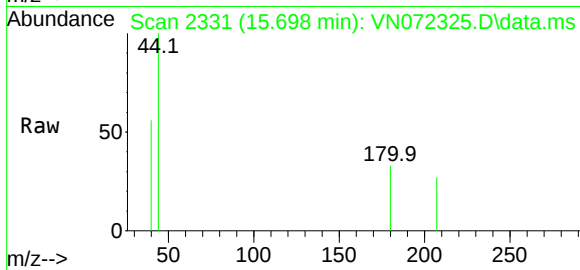
Acq: 04 May 2022 14:02

Instrument :

MSVOA_N

ClientSampleId :

B4-GW



Tgt Ion:	180	Resp:	186
Ion	Ratio	Lower	Upper
180	100		
182	71.5	47.8	143.3
145	0.0	15.5	46.5#

