

Data File : VN057747.D
Acq On : 7 Sep 2019 12:54
Operator : JC/SP
Sample : K4754-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GW-807-45.0-50.0-090619

Quant Time: Sep 08 06:32:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	199312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	316881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	285381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	148612	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	225109	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	7.58	113	145092	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.09	98	525961	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	188277	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	

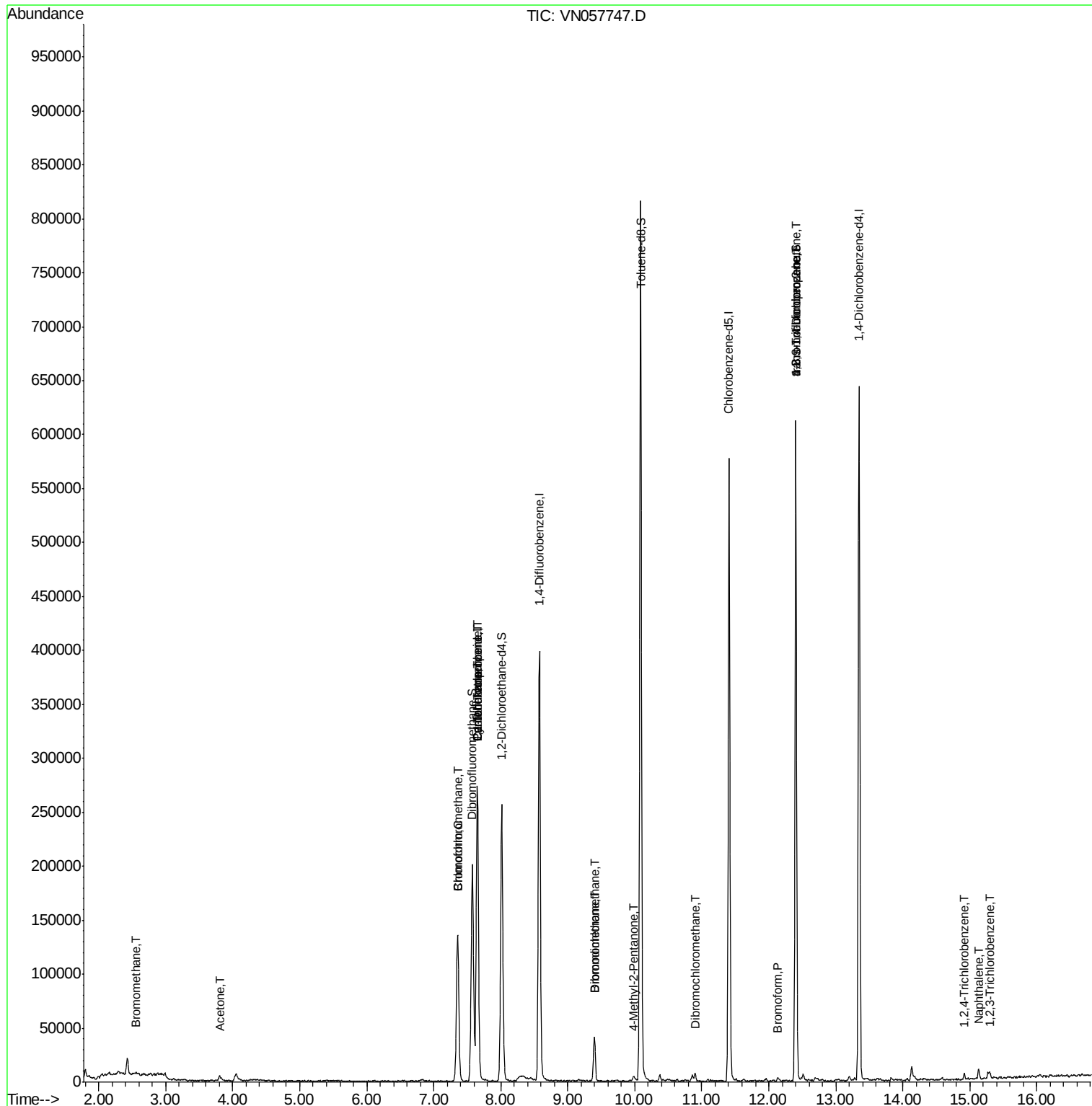
Target Compounds			Qvalue			
3) Chloromethane	2.03	50	1022	Below Cal	#	77
5) Bromomethane	2.55	94	277	0.220	ug/l	98
16) Acetone	3.80	43	8470	5.677	ug/l	94
28) Bromochloromethane	7.36	49	14194	4.431	ug/l #	24
30) Chloroform	7.36	83	130853	20.510	ug/l	100
31) Cyclohexane	7.65	56	6983	1.283	ug/l #	40
36) 1,1-Dichloropropene	7.65	75	19018	4.511	ug/l #	52
38) Carbon Tetrachloride	7.65	117	21406	5.303	ug/l #	15
46) Dibromomethane	9.40	93	866	0.405	ug/l #	9
47) Bromodichloromethane	9.40	83	26072	5.735	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	3557	0.797	ug/l #	84
60) Dibromochloromethane	10.90	129	3570	2.950	ug/l	91
71) Bromoform	12.12	173	107	3.294	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	117478	34.424	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	117478	107.059	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.92	180	1643	0.523	ug/l	98
95) Naphthalene	15.13	128	7667	0.841	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.30	180	1711	0.568	ug/l	70

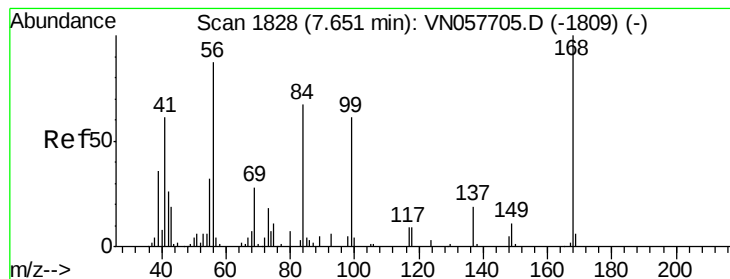
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

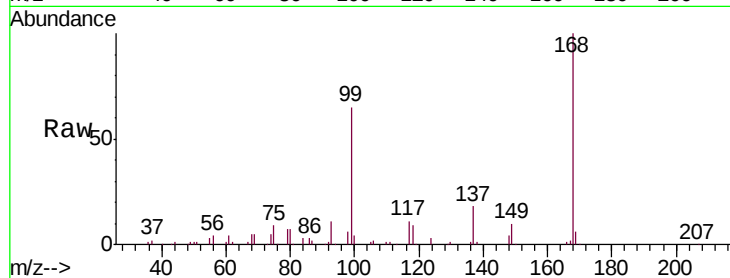
GW-807-45.0-50.0-090619

Tgt Ion:168 Resp: 199312

Ion Ratio Lower Upper

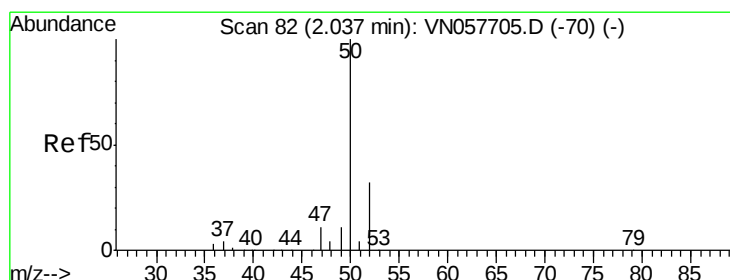
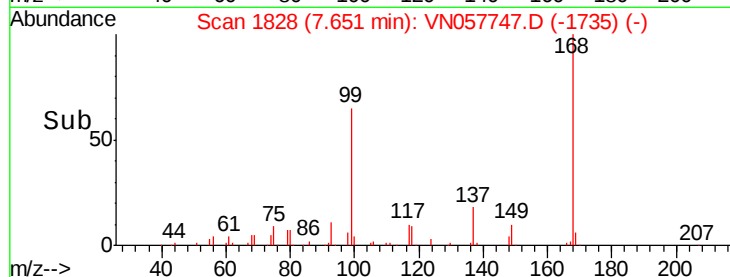
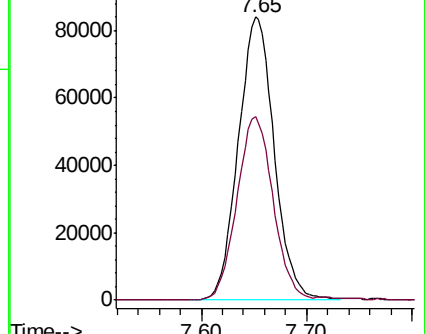
168 100

99 64.8 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057747.D

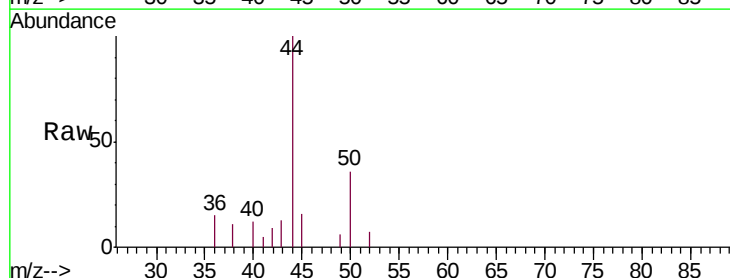
Acq: 7 Sep 2019 12:54

Tgt Ion: 50 Resp: 1022

Ion Ratio Lower Upper

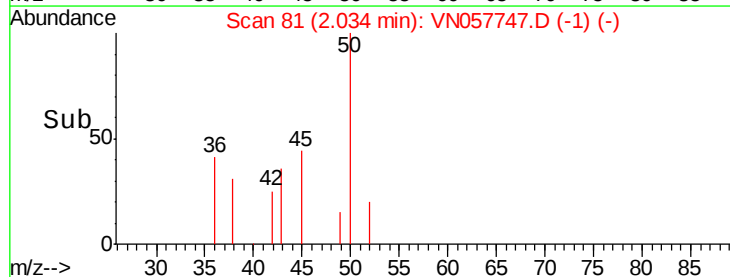
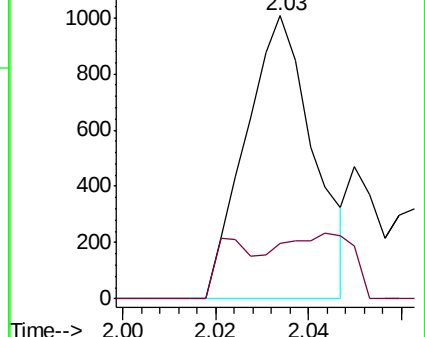
50 100

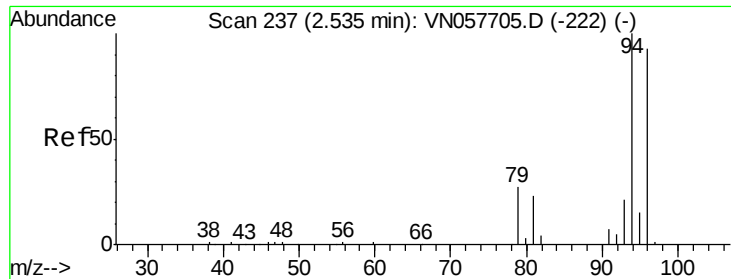
52 19.7 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

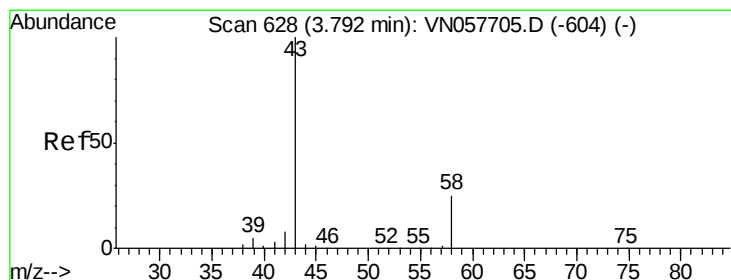
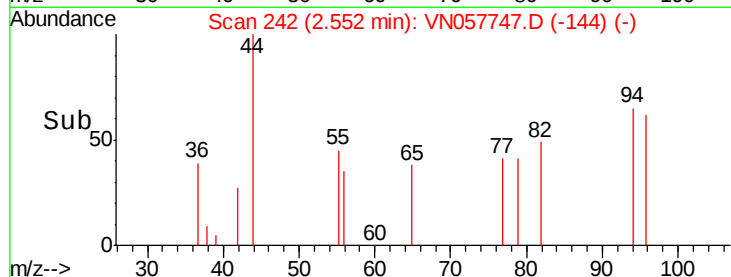
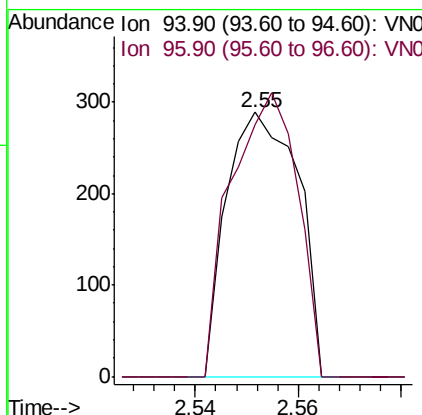
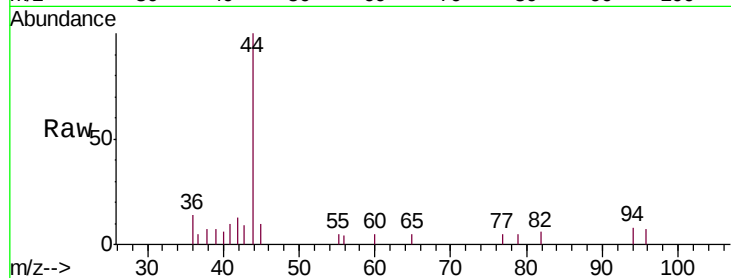




#5
Bromomethane
Concen: 0.220 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.02 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

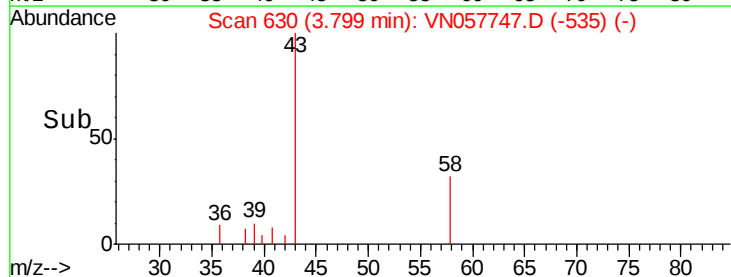
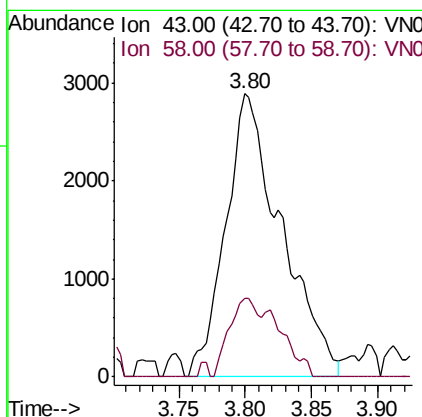
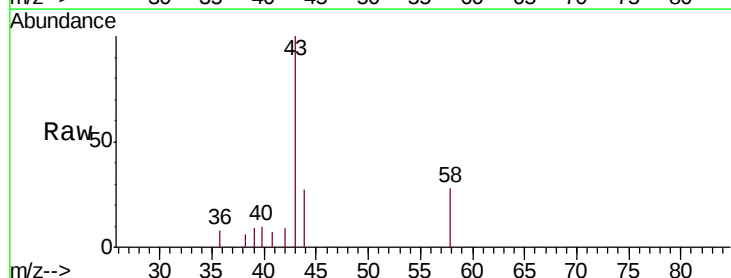
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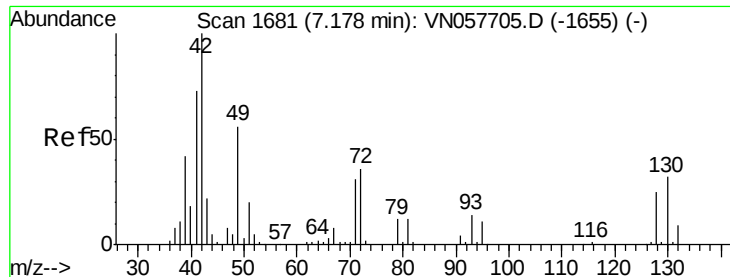
Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 95.2 74.8 112.2



#16
Acetone
Concen: 5.677 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

Tgt Ion: 43 Resp: 8470
Ion Ratio Lower Upper
43 100
58 27.6 19.8 29.8

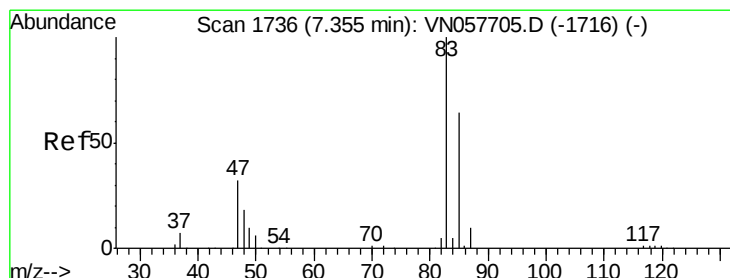
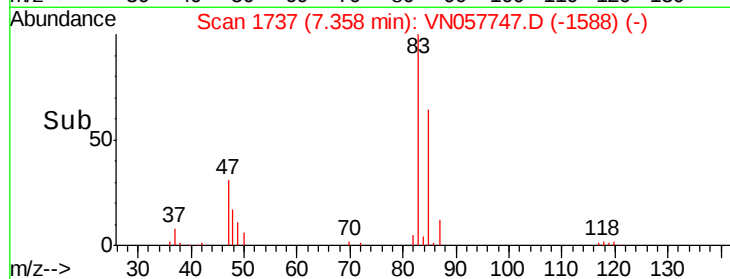
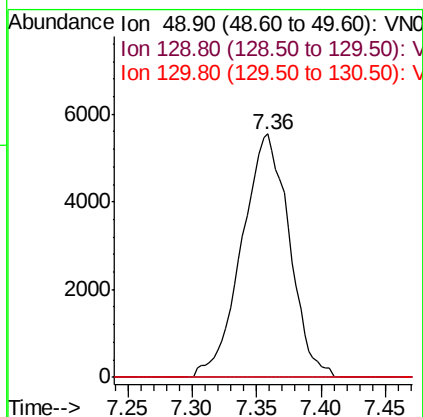
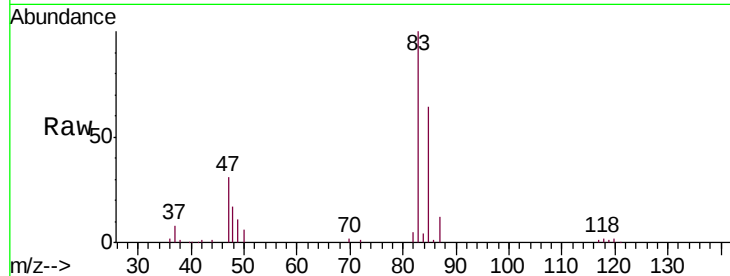




#28
Bromochloromethane
Concen: 4.431 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.18 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

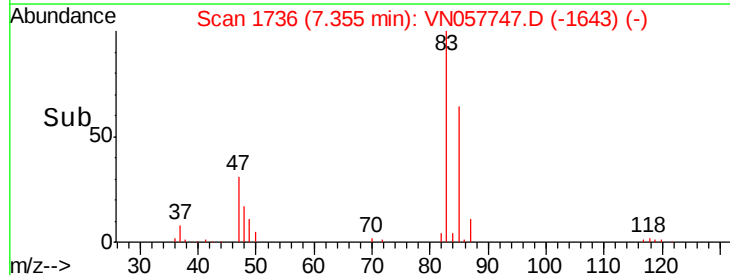
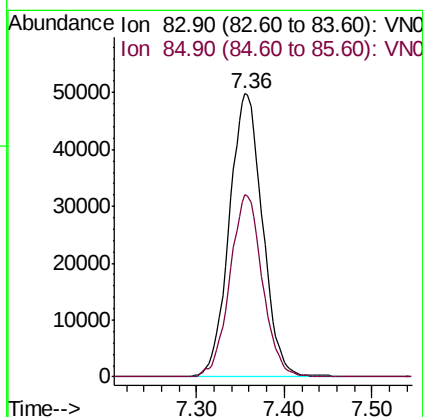
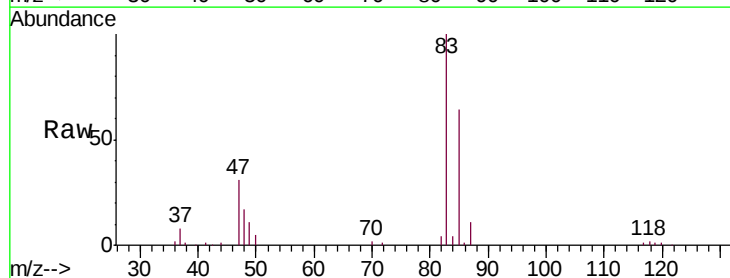
Instrument :
MSVOA_N
ClientSampleId :
GW-807-45.0-50.0-090619

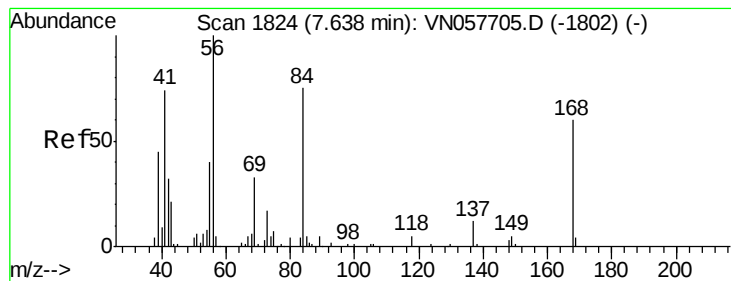
Tgt Ion: 49 Resp: 14194
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.4
130 0.0 45.8 68.8#



#30
Chloroform
Concen: 20.510 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

Tgt Ion: 83 Resp: 130853
Ion Ratio Lower Upper
83 100
85 64.2 51.3 76.9





#31

Cyclohexane

Concen: 1.283 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

GW-807-45.0-50.0-090619

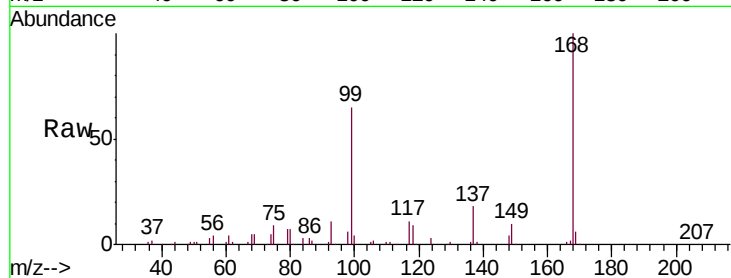
Tgt Ion: 56 Resp: 6983

Ion Ratio Lower Upper

56 100

69 125.5 26.2 39.2#

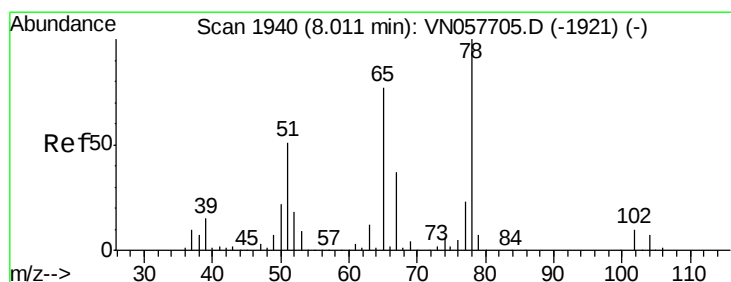
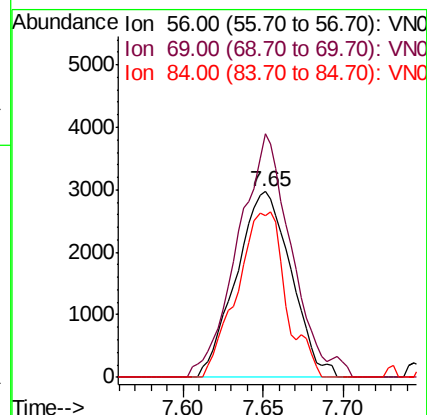
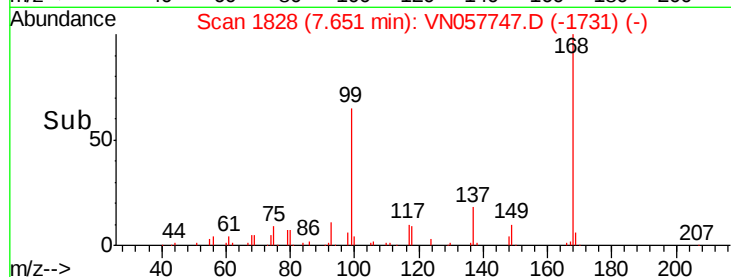
84 87.0 59.8 89.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.427 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057747.D

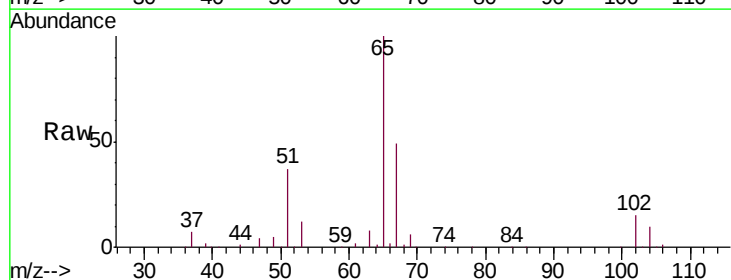
Acq: 7 Sep 2019 12:54

Tgt Ion: 65 Resp: 225109

Ion Ratio Lower Upper

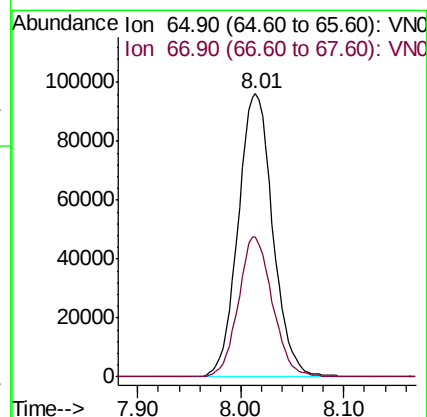
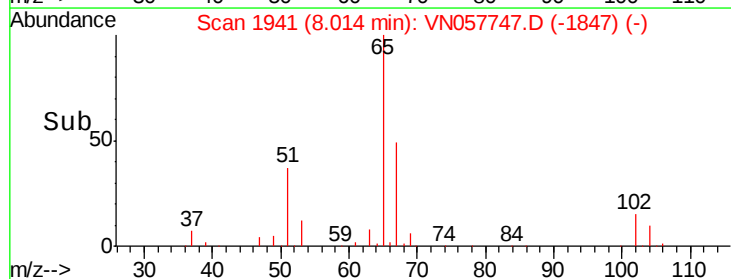
65 100

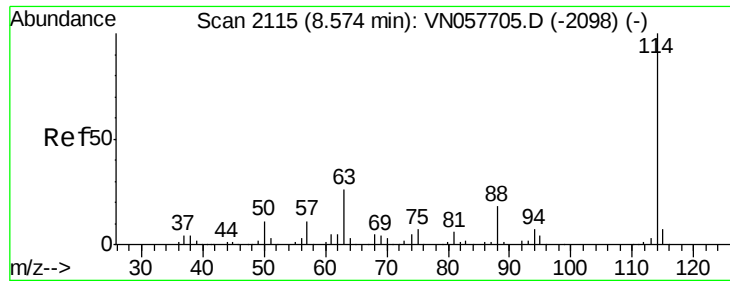
67 48.6 0.0 98.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

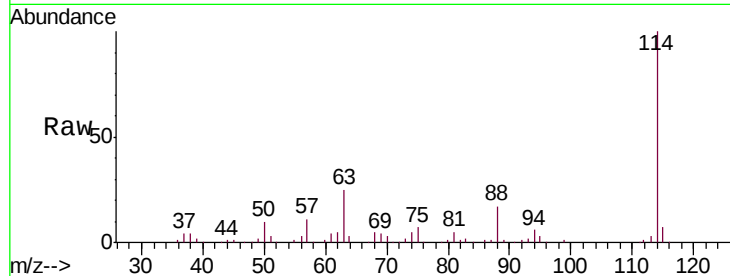




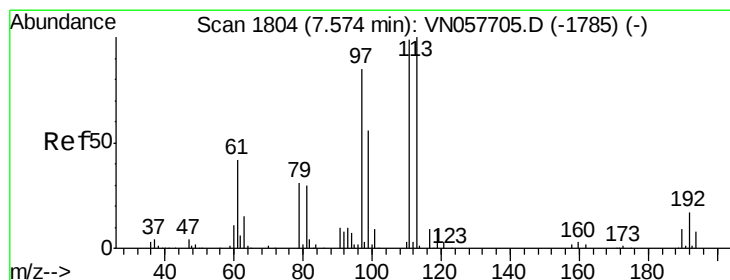
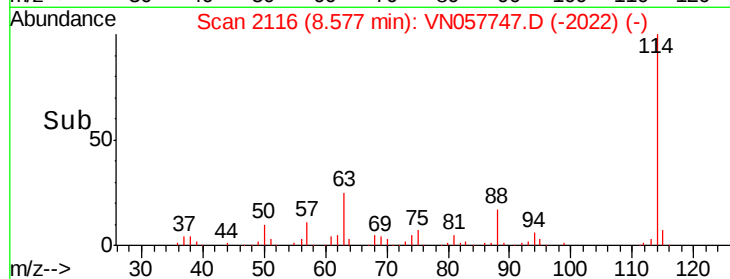
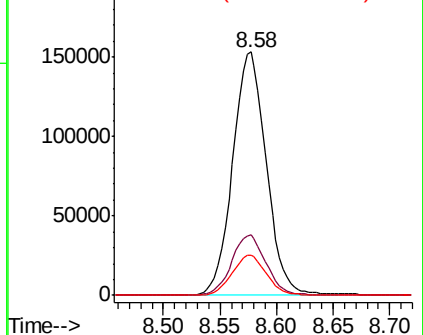
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:114 Resp: 316881
Ion Ratio Lower Upper
114 100
63 24.9 0.0 52.4
88 16.7 0.0 35.4

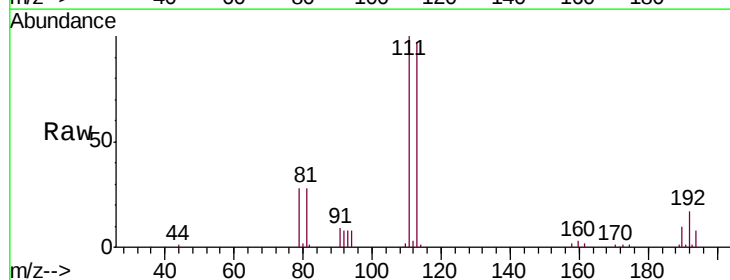


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

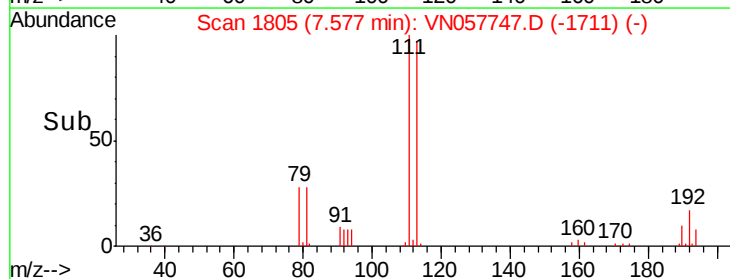
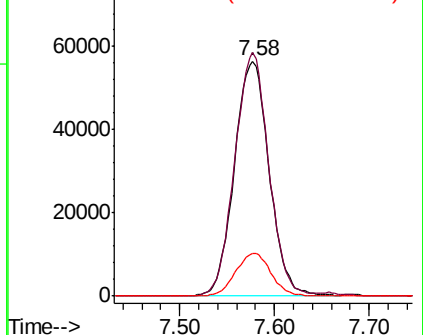


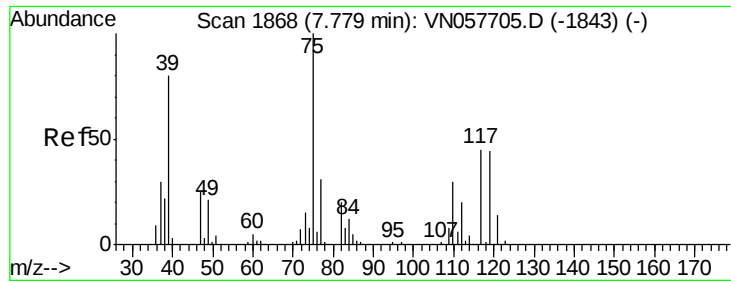
#35
Dibromofluoromethane
Concen: 50.269 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

Tgt Ion:113 Resp: 145092
Ion Ratio Lower Upper
113 100
111 100.9 82.7 124.1
192 18.3 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

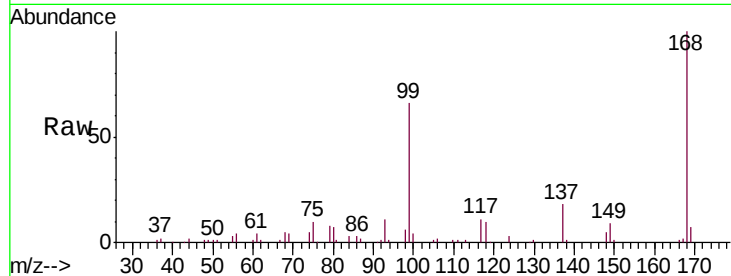




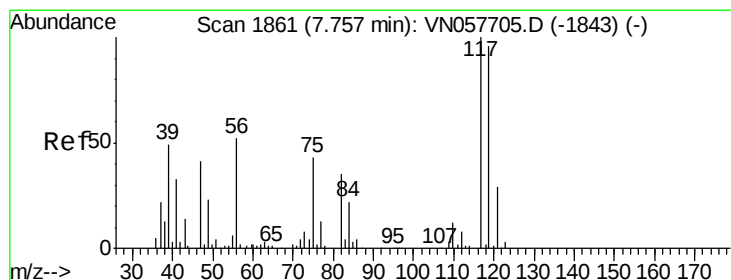
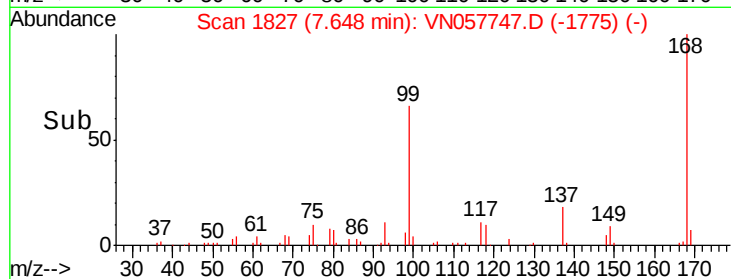
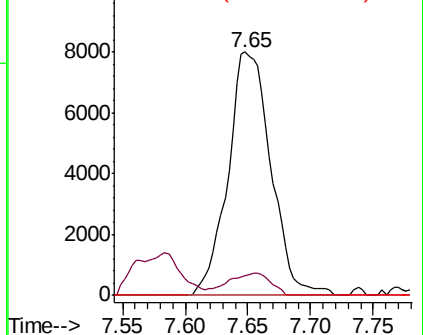
#36
 1,1-Dichloropropene
 Concen: 4.511 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057747.D
 Acq: 7 Sep 2019 12:54

Instrument :
 MSVOA_N
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 GW-807-45.0-50.0-090619

Tgt Ion: 75 Resp: 19018
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.0 45.0#
 77 0.0 24.6 37.0#

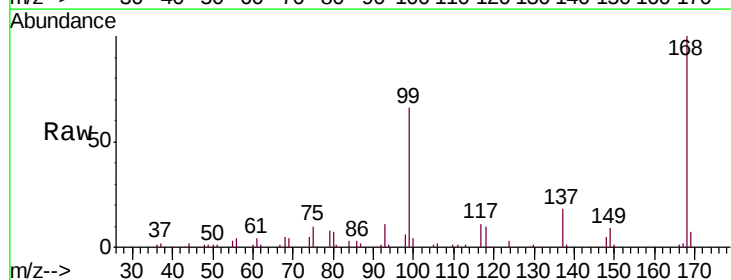


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

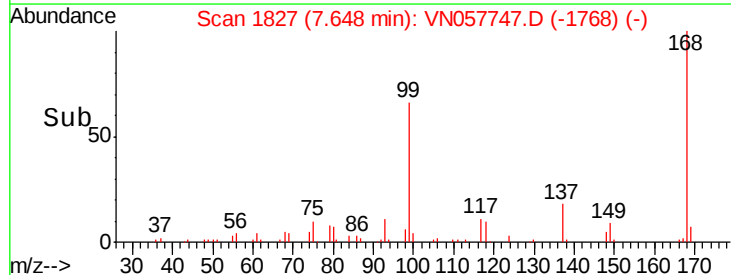
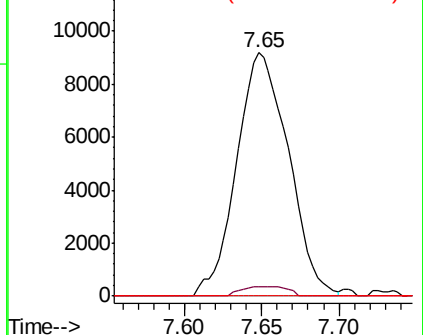


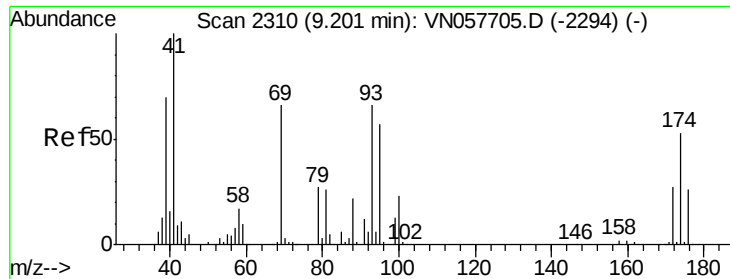
#38
 Carbon Tetrachloride
 Concen: 5.303 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057747.D
 Acq: 7 Sep 2019 12:54

Tgt Ion: 117 Resp: 21406
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.1 114.1#
 121 0.0 23.4 35.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#46

Dibromomethane

Concen: 0.405 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.20 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

GW-807-45.0-50.0-090619

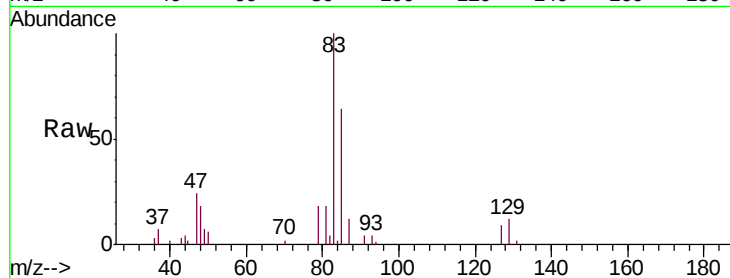
Tgt Ion: 93 Resp: 866

Ion Ratio Lower Upper

93 100

95 0.0 66.1 99.1#

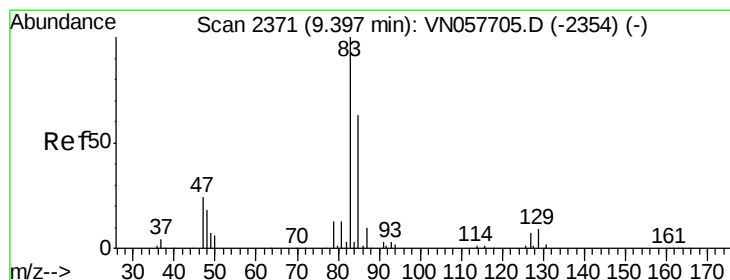
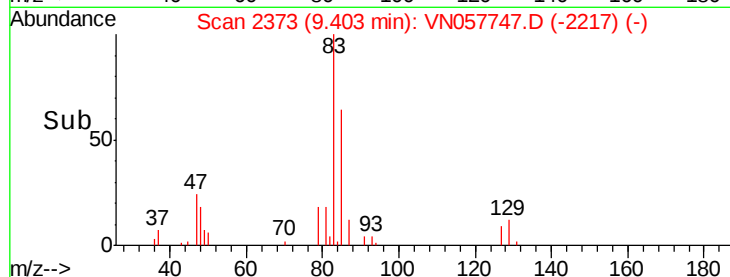
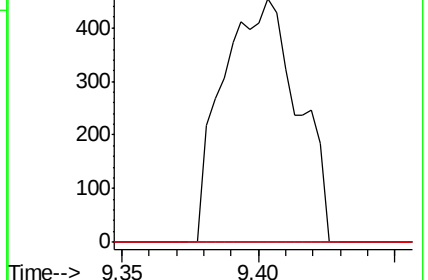
174 0.0 63.4 95.2#



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 5.735 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

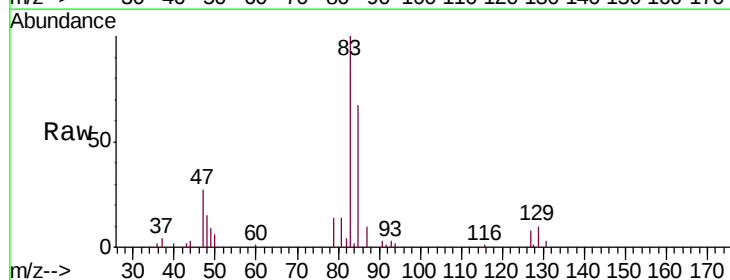
Tgt Ion: 83 Resp: 26072

Ion Ratio Lower Upper

83 100

85 66.9 50.7 76.1

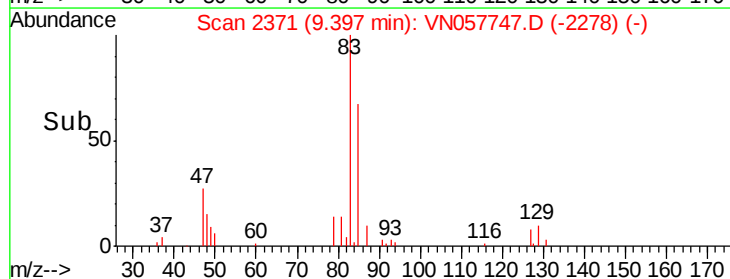
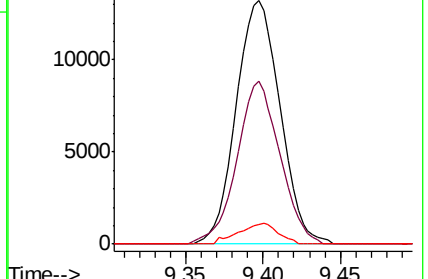
127 8.2 5.6 8.4

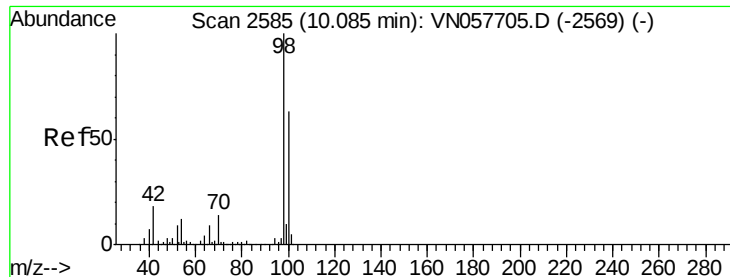


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 49.261 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

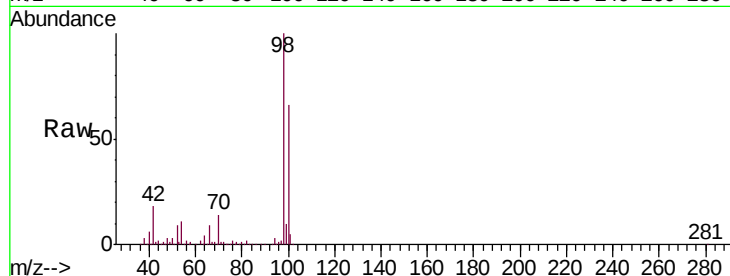
GW-807-45.0-50.0-090619

Tgt Ion: 98 Resp: 525961

Ion Ratio Lower Upper

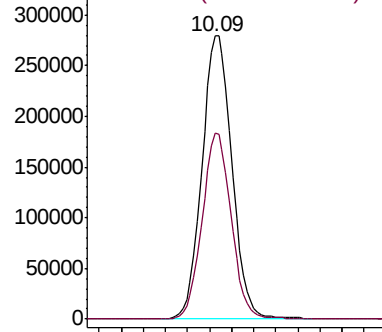
98 100

100 63.7 50.7 76.1

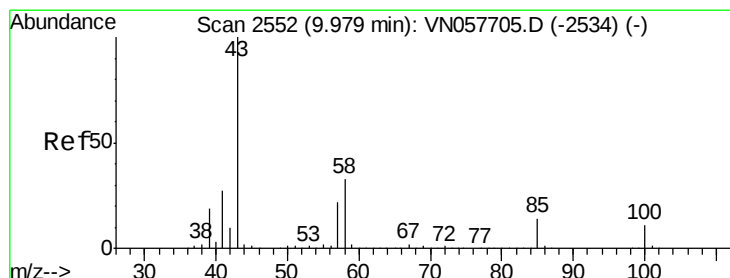
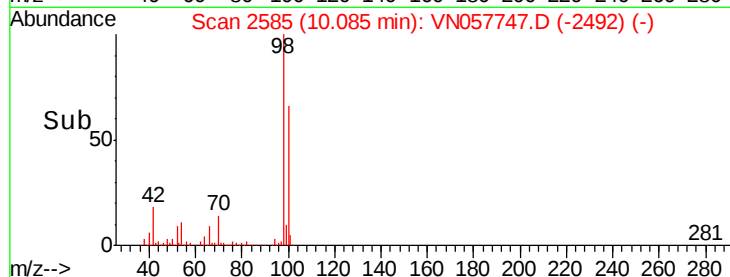


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.797 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057747.D

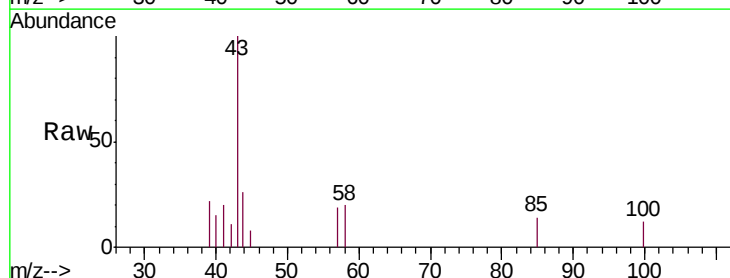
Acq: 7 Sep 2019 12:54

Tgt Ion: 43 Resp: 3557

Ion Ratio Lower Upper

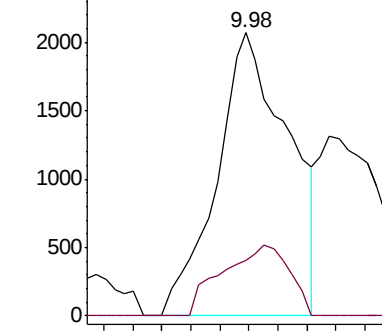
43 100

58 23.2 25.8 38.8#

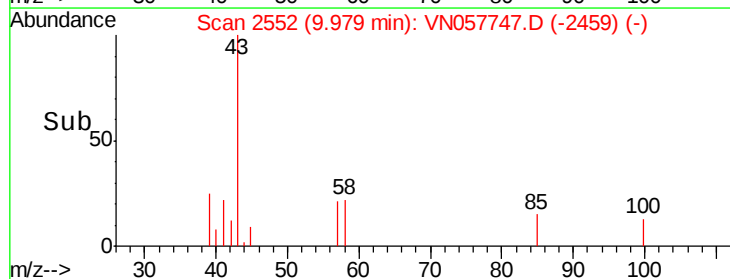


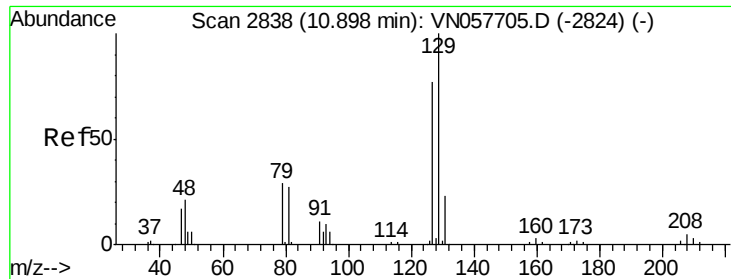
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

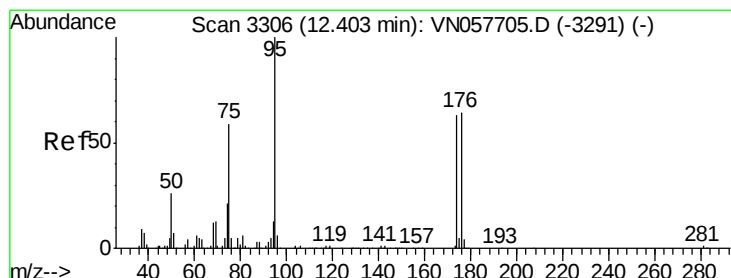
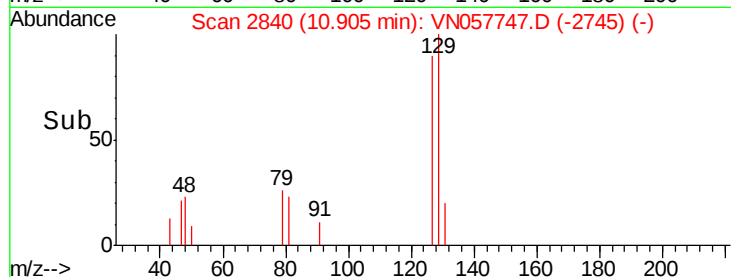
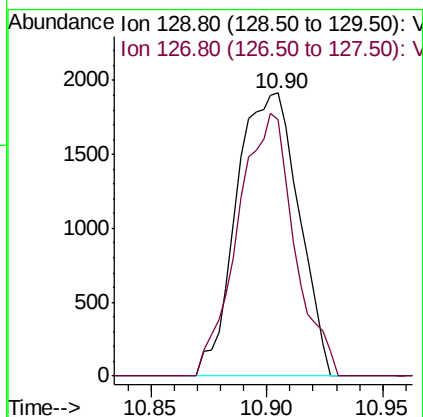
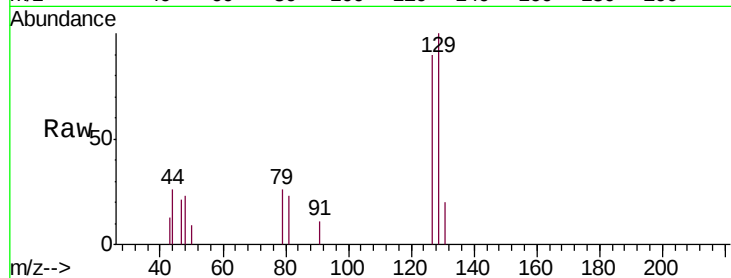




#60
Dibromochloromethane
Concen: 2.950 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.01 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

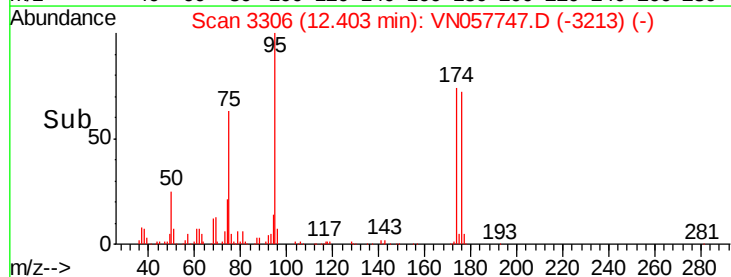
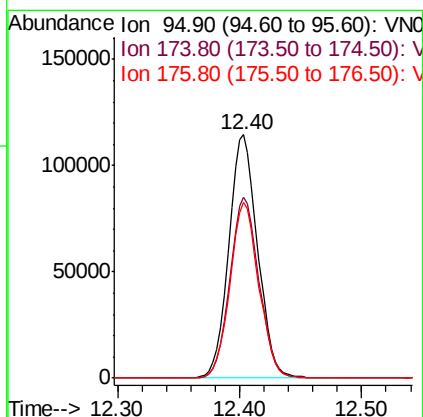
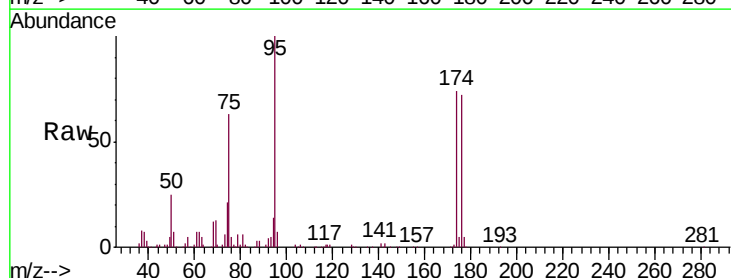
Instrument :
MSVOA_N
ClientSampleId :
GW-807-45.0-50.0-090619

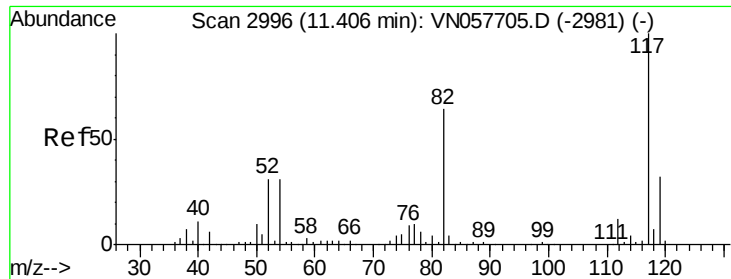
Tgt Ion: 129 Resp: 3570
Ion Ratio Lower Upper
129 100
127 84.5 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 42.455 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

Tgt Ion: 95 Resp: 188277
Ion Ratio Lower Upper
95 100
174 75.2 0.0 128.0
176 72.4 0.0 128.0

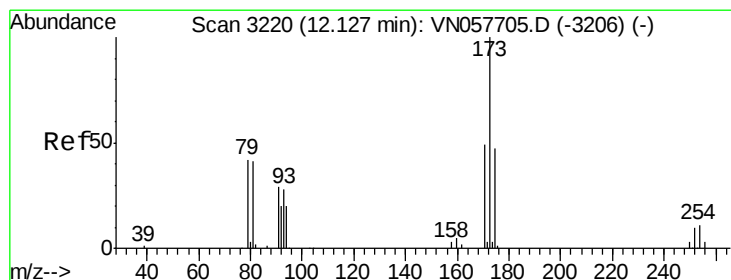
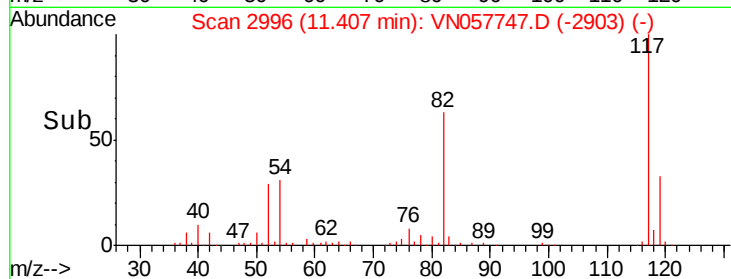
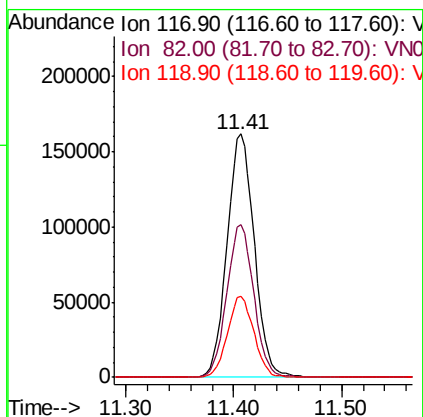
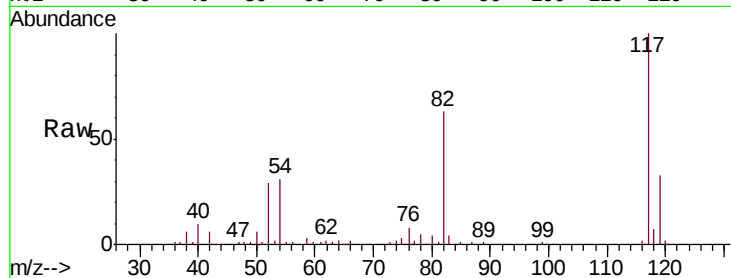




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

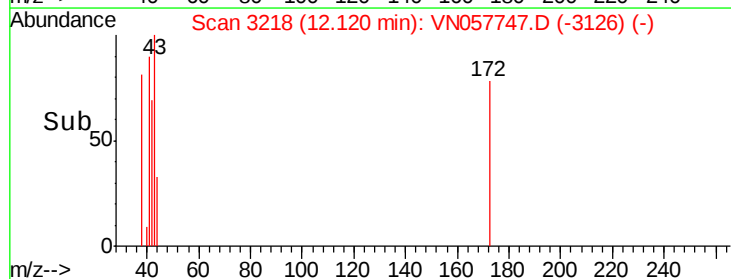
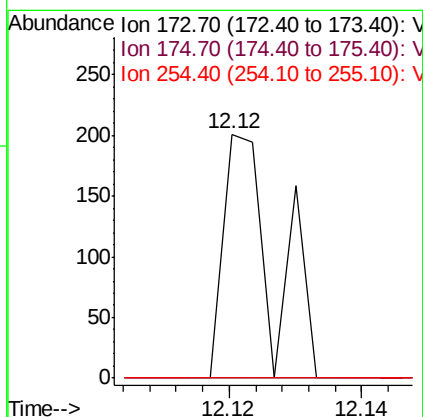
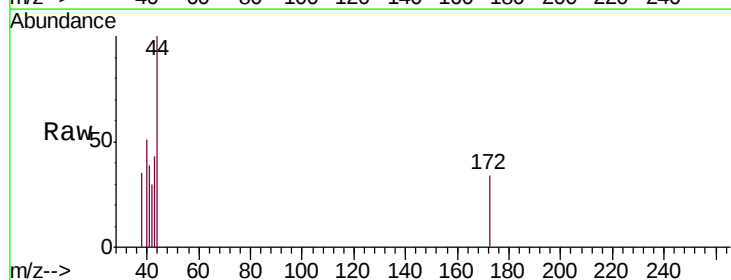
Instrument :
MSVOA_N
ClientSampleId :
GW-807-45.0-50.0-090619

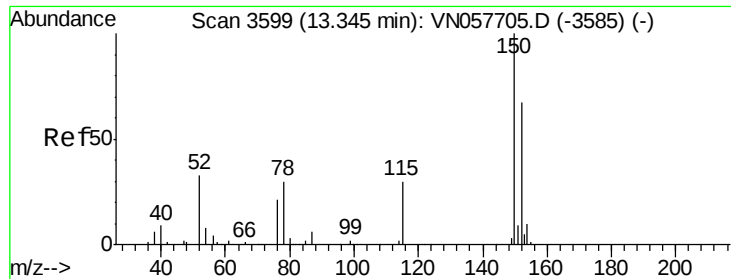
Tgt Ion:117 Resp: 285381
Ion Ratio Lower Upper
117 100
82 62.9 51.4 77.0
119 33.2 25.4 38.2



#71
Bromoform
Concen: 3.294 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.01 min
Lab File: VN057747.D
Acq: 7 Sep 2019 12:54

Tgt Ion:173 Resp: 107
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

GW-807-45.0-50.0-090619

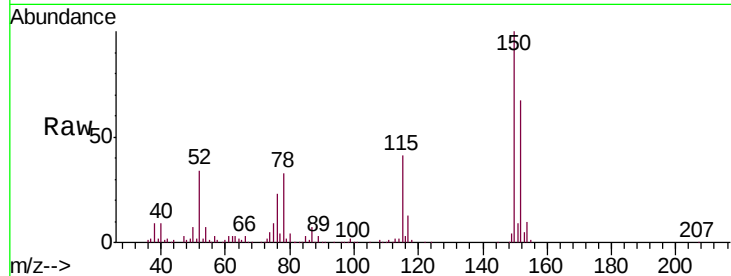
Tgt Ion:152 Resp: 148612

Ion Ratio Lower Upper

152 100

115 62.9 33.8 101.3

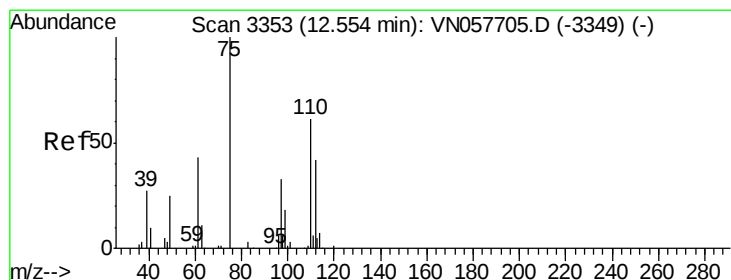
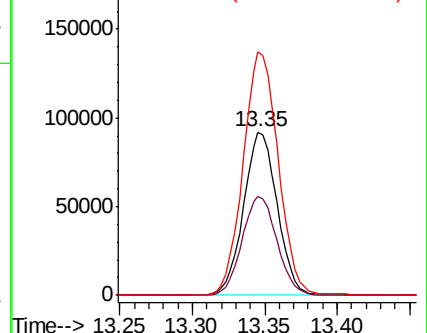
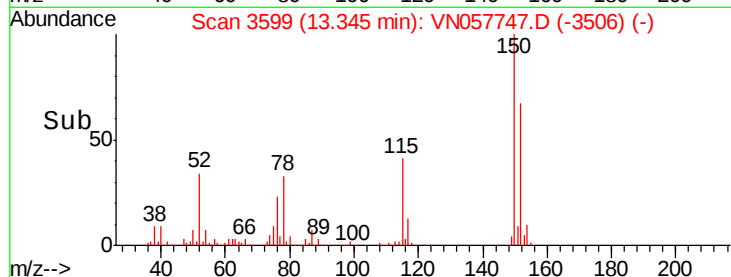
150 155.6 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 34.424 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057747.D

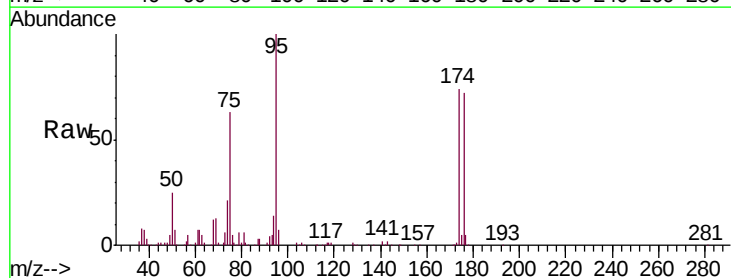
Acq: 7 Sep 2019 12:54

Tgt Ion: 75 Resp: 117478

Ion Ratio Lower Upper

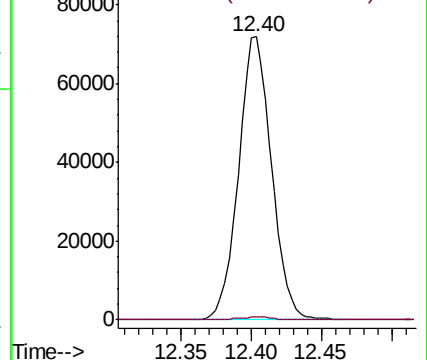
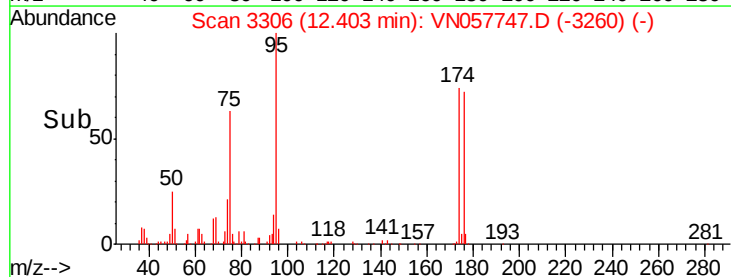
75 100

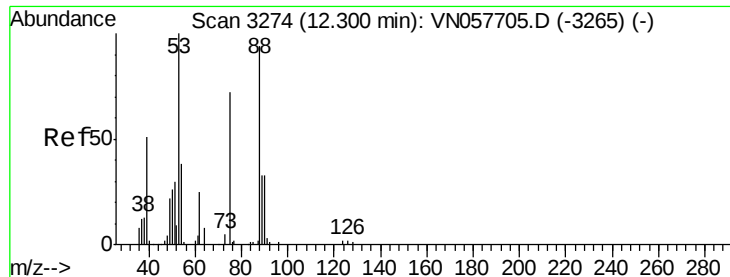
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 107.059 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

GW-807-45.0-50.0-090619

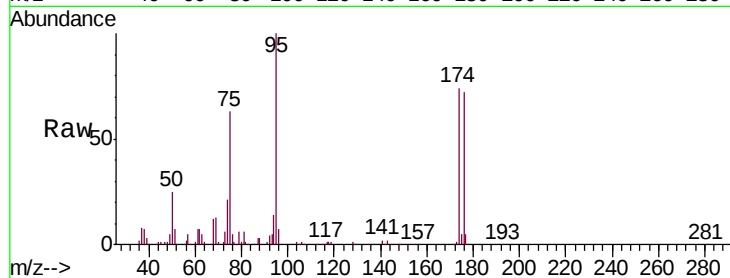
Tgt Ion: 75 Resp: 117478

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

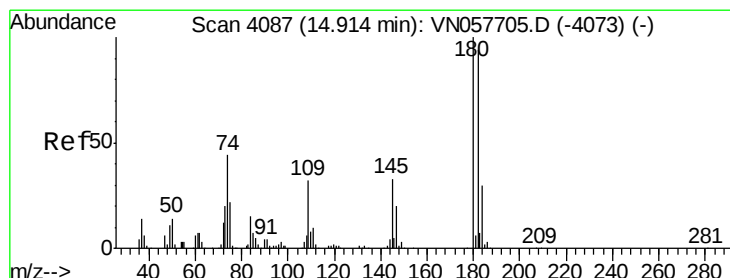
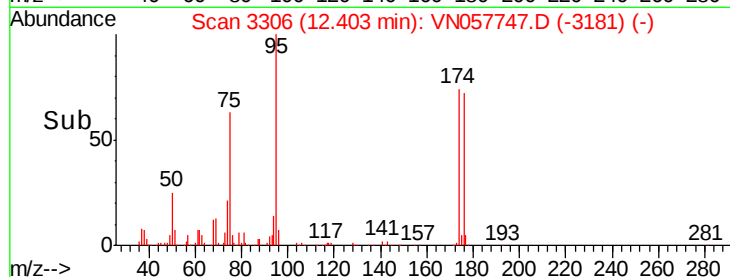
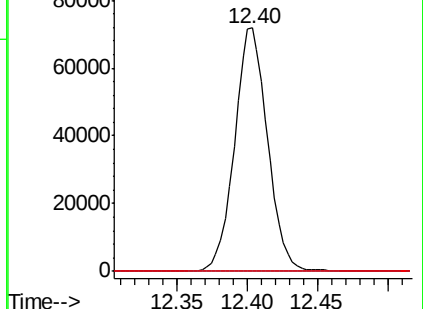
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN057747.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN057747.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN057747.D (-3306) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.523 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

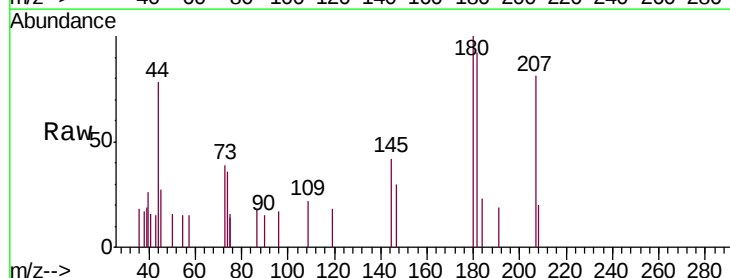
Tgt Ion: 180 Resp: 1643

Ion Ratio Lower Upper

180 100

182 93.7 47.6 142.9

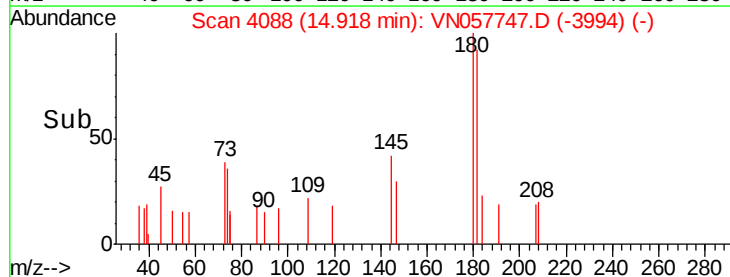
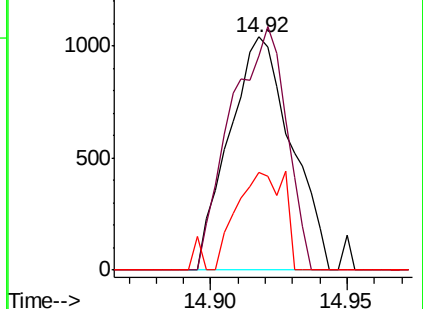
145 32.3 16.6 49.7

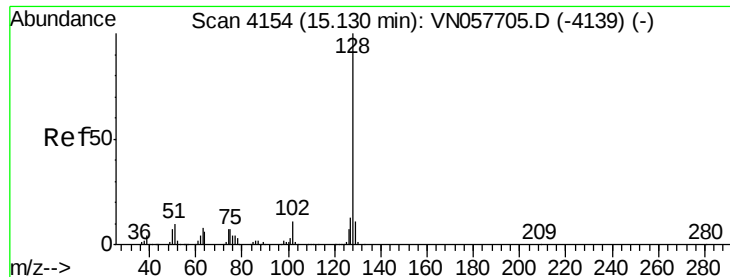


Abundance Ion 179.80 (179.50 to 180.50): VN057747.D (-4088) (-)

Ion 181.80 (181.50 to 182.50): VN057747.D (-4088) (-)

Ion 144.80 (144.50 to 145.50): VN057747.D (-4088) (-)





#95

Naphthalene

Concen: 0.841 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

GW-807-45.0-50.0-090619

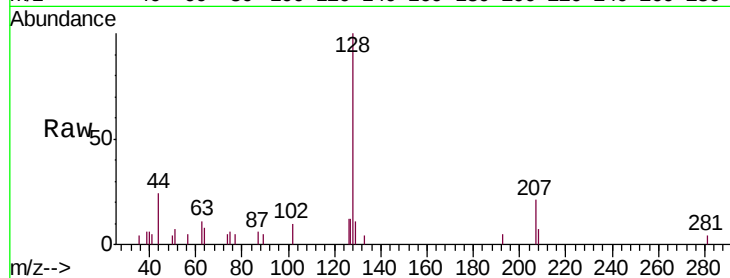
Tgt Ion:128 Resp: 7667

Ion Ratio Lower Upper

128 100

127 9.7 10.6 15.8#

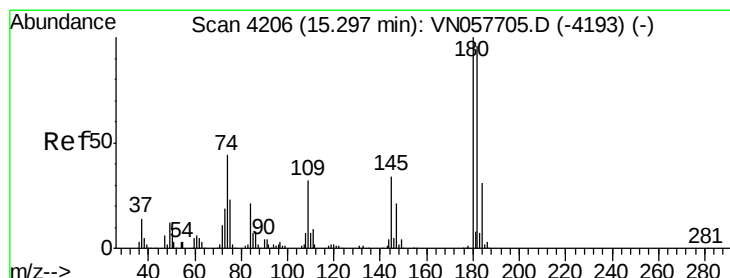
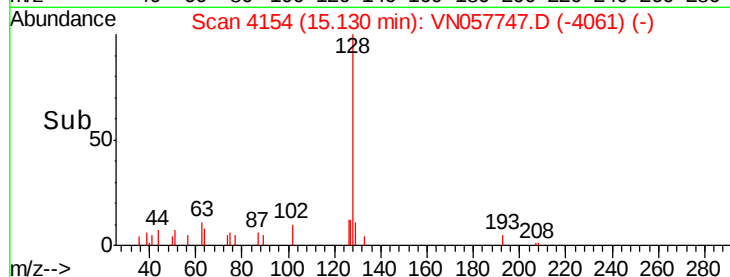
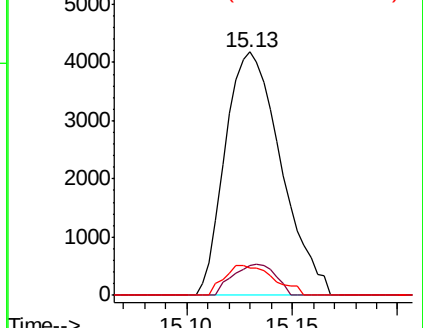
129 10.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.568 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057747.D

Acq: 7 Sep 2019 12:54

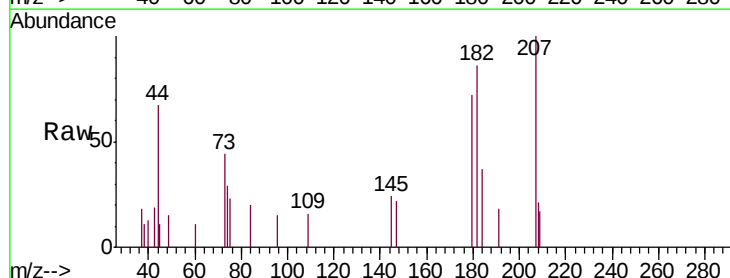
Tgt Ion:180 Resp: 1711

Ion Ratio Lower Upper

180 100

182 126.7 47.0 141.2

145 23.7 17.5 52.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

