

Data File : VN057745.D
Acq On : 7 Sep 2019 12:10
Operator : JC/SP
Sample : K4754-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GW-807-15.0-20.0-090619

Quant Time: Sep 08 06:31:18 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	233746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	378588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	331835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	177802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	283376	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	7.57	113	176218	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.08	98	650912	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	236167	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	

Target Compounds

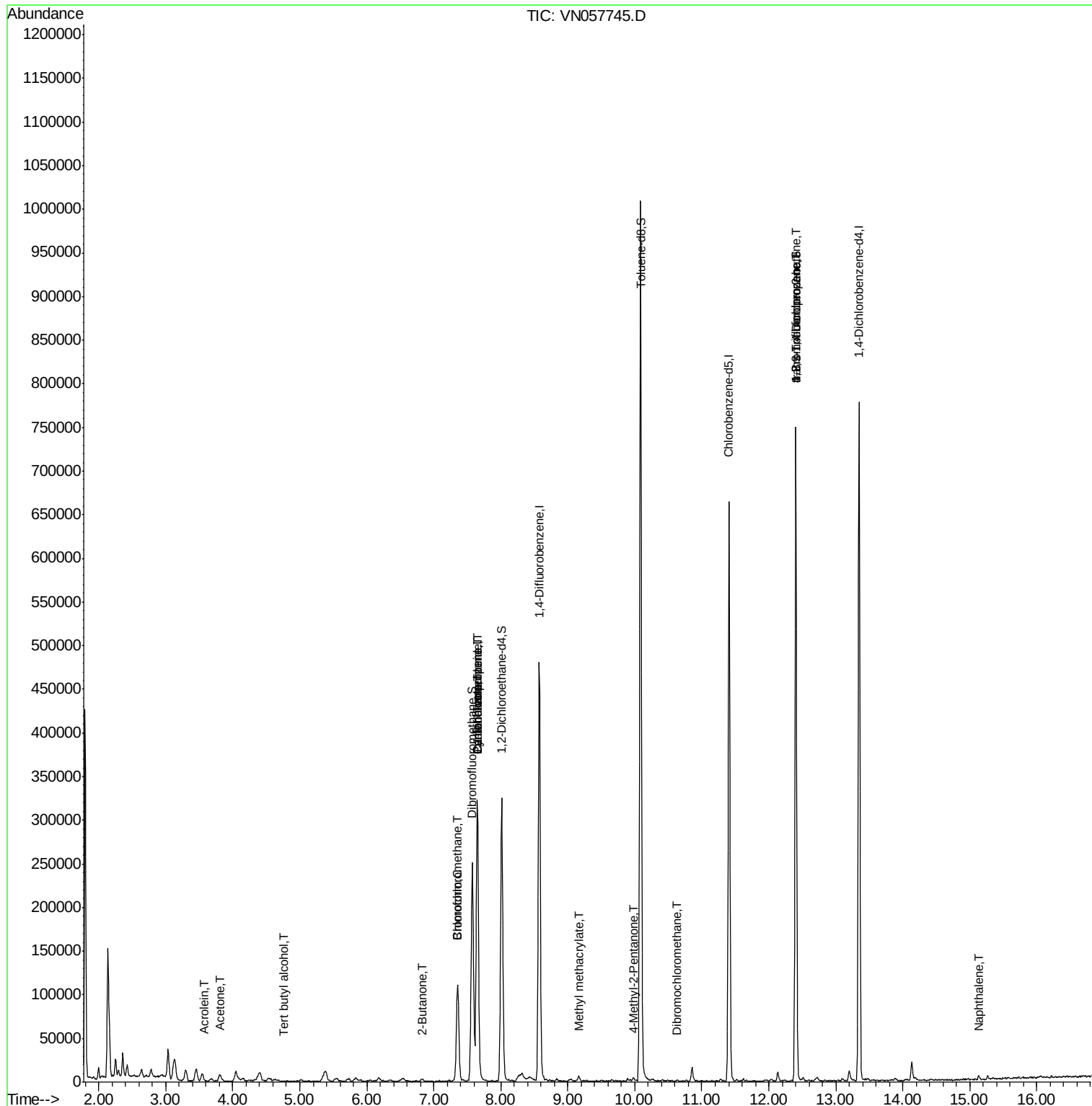
						Qvalue
3) Chloromethane	2.04	50	1190	Below Cal	#	88
11) Tert butyl alcohol	4.75	59	173	0.268	ug/l #	71
13) Acrolein	3.58	56	180	0.586	ug/l #	15
16) Acetone	3.80	43	11189	6.394	ug/l	98
25) 2-Butanone	6.82	43	1453	0.580	ug/l #	86
28) Bromochloromethane	7.36	49	11552	3.075	ug/l #	24
30) Chloroform	7.36	83	108015	14.437	ug/l	98
31) Cyclohexane	7.65	56	8078	1.266	ug/l #	34
36) 1,1-Dichloropropene	7.65	75	23998	4.765	ug/l #	53
38) Carbon Tetrachloride	7.65	117	25947	5.380	ug/l #	16
48) Methyl methacrylate	9.17	41	2644	0.536	ug/l #	57
51) 4-Methyl-2-Pentanone	9.98	43	2896	0.543	ug/l	93
60) Dibromochloromethane	10.64	129	146	1.891	ug/l #	11
76) 1,2,3-Trichloropropane	12.40	75	141431	34.639	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	141431	107.728	ug/l #	1
95) Naphthalene	15.13	128	2808	0.257	ug/l #	94

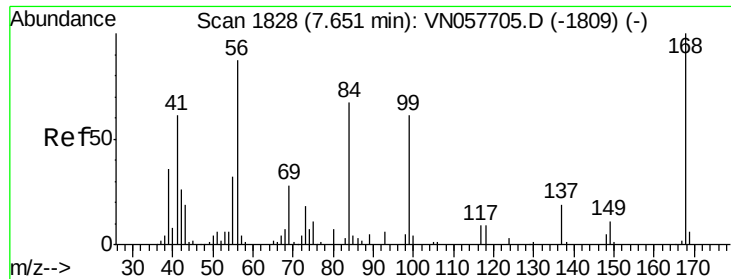
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057745.D

Acq: 7 Sep 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

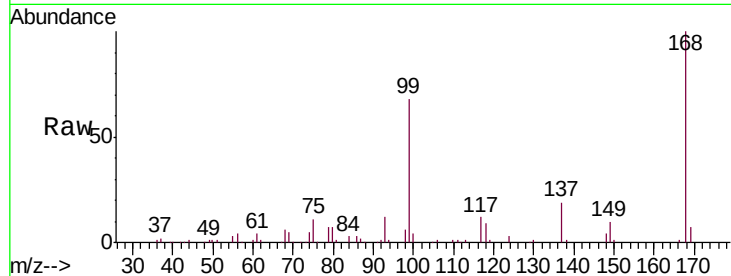
GW-807-15.0-20.0-090619

Tgt Ion:168 Resp: 233746

Ion Ratio Lower Upper

168 100

99 67.7 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

100000

80000

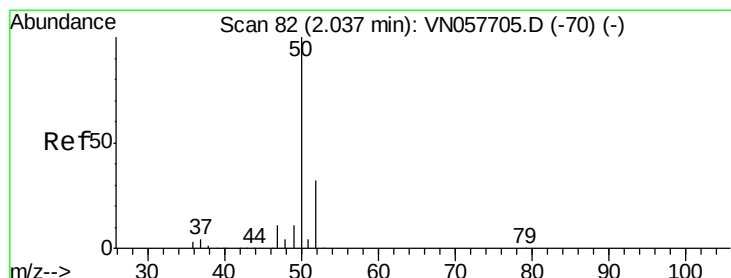
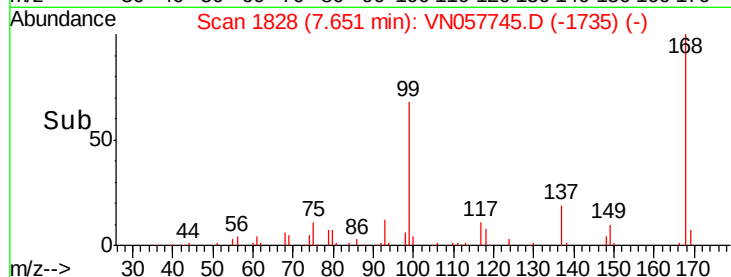
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057745.D

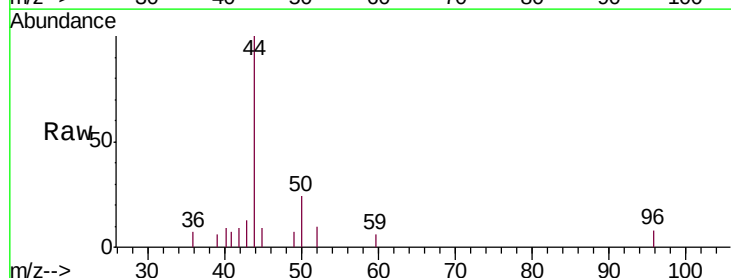
Acq: 7 Sep 2019 12:10

Tgt Ion: 50 Resp: 1190

Ion Ratio Lower Upper

50 100

52 39.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

800

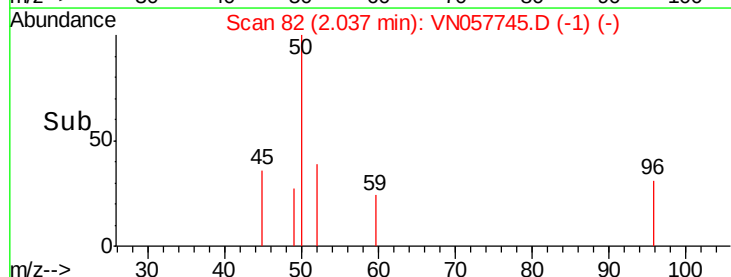
600

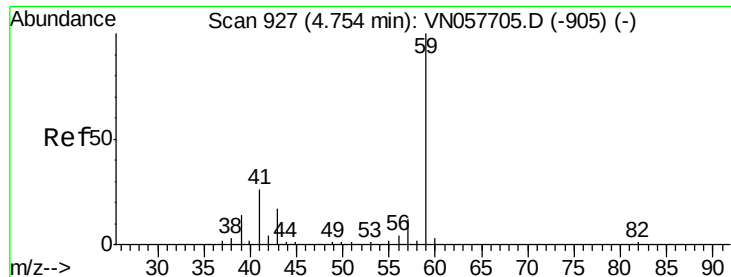
400

200

0

Time-->

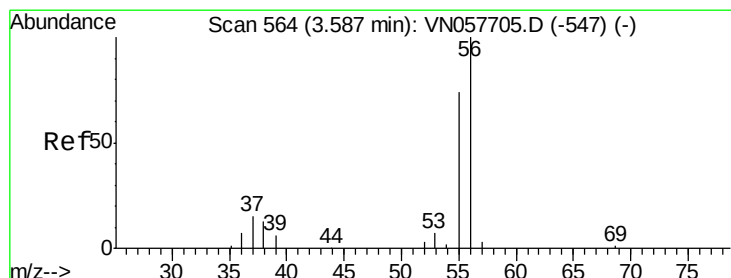
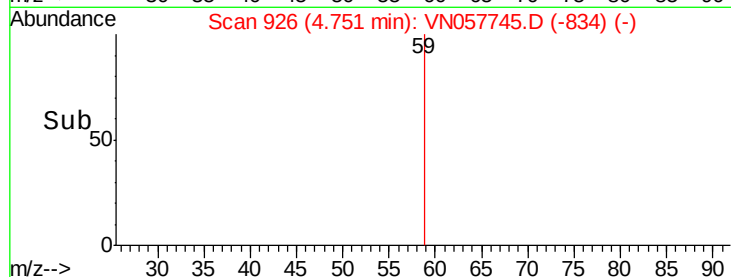
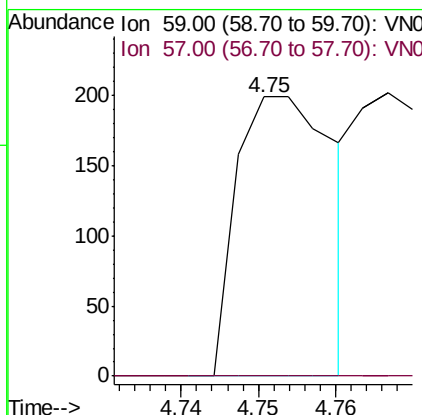
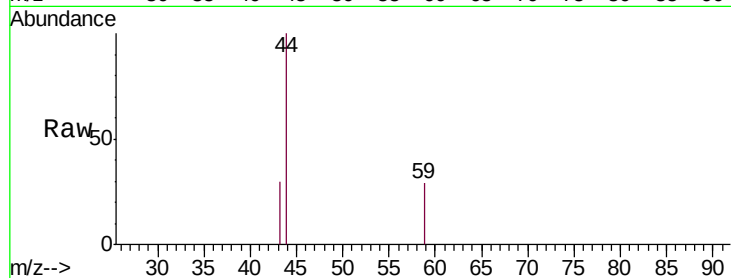




#11
Tert butyl alcohol
Concen: 0.268 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN057745.D
Acq: 7 Sep 2019 12:10

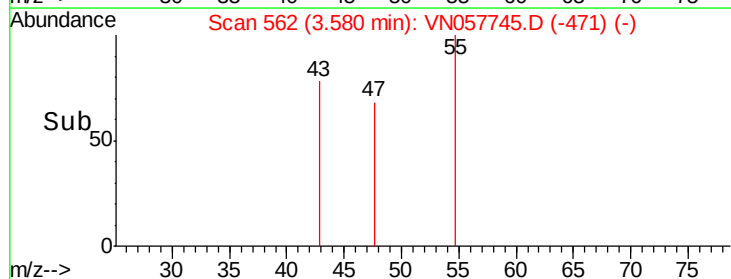
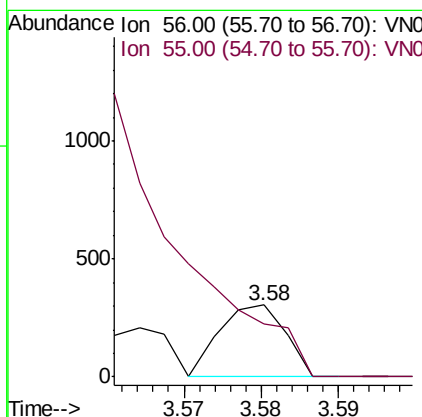
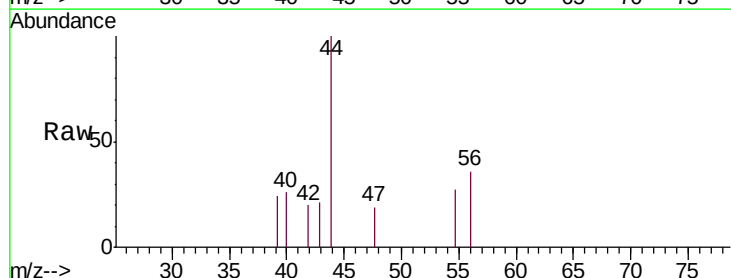
Instrument :
MSVOA_N
ClientSampleId :
GW-807-15.0-20.0-090619

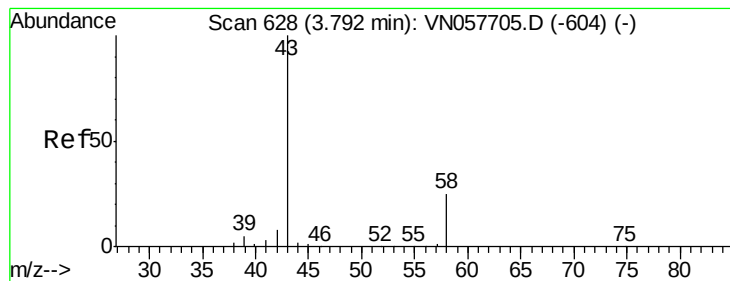
Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.586 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VN057745.D
Acq: 7 Sep 2019 12:10

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#





#16

Acetone

Concen: 6.394 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

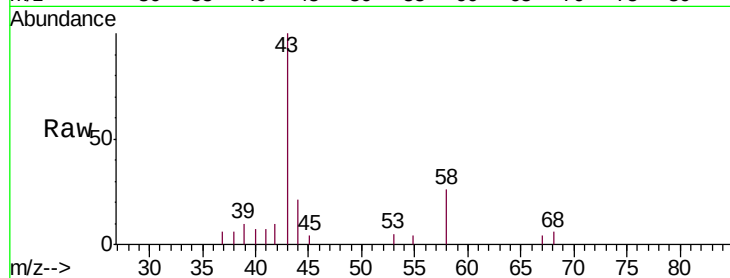
GW-807-15.0-20.0-090619

Tgt Ion: 43 Resp: 11189

Ion Ratio Lower Upper

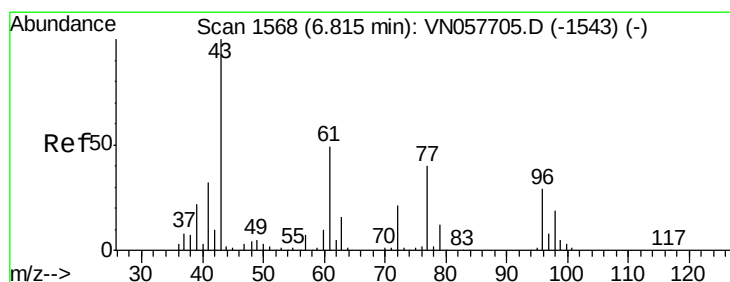
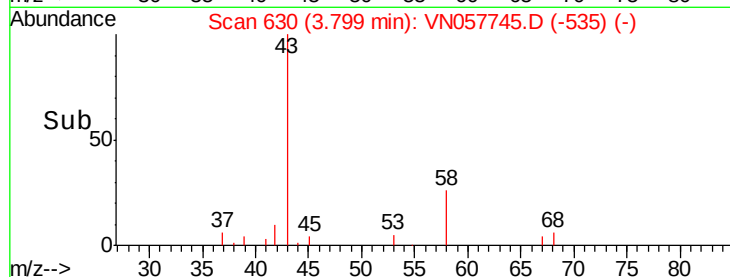
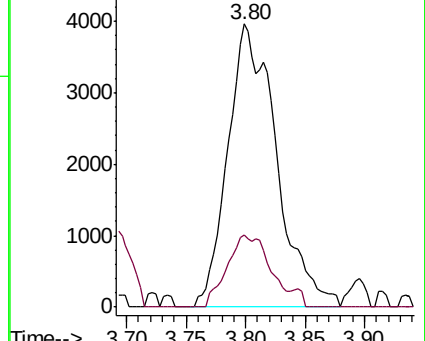
43 100

58 25.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#25

2-Butanone

Concen: 0.580 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN057745.D

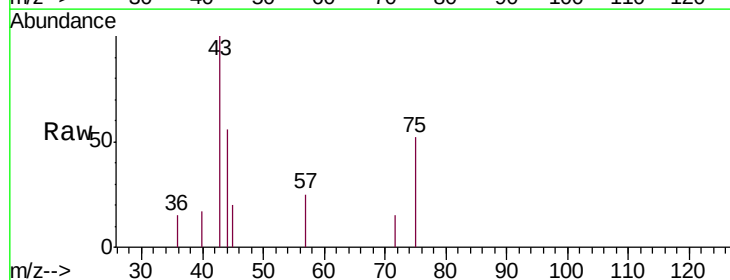
Acq: 7 Sep 2019 12:10

Tgt Ion: 43 Resp: 1453

Ion Ratio Lower Upper

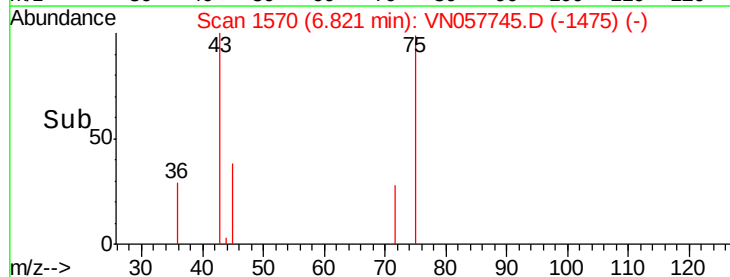
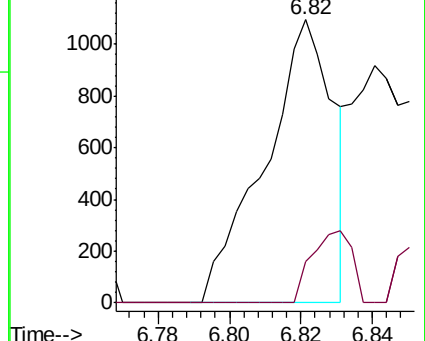
43 100

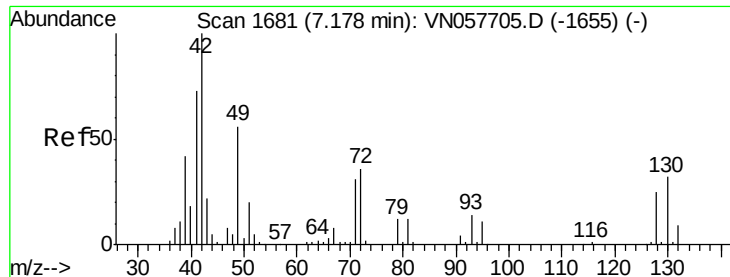
72 14.8 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#28

Bromochloromethane

Concen: 3.075 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.18 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

GW-807-15.0-20.0-090619

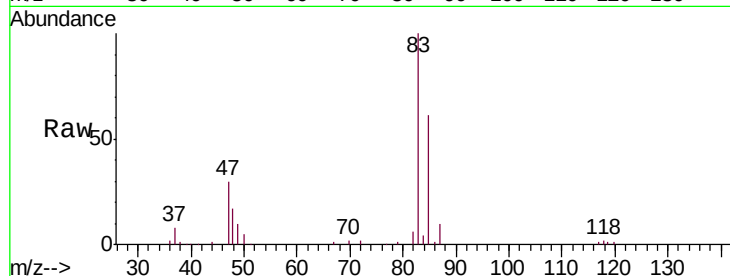
Tgt Ion: 49 Resp: 11552

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.4

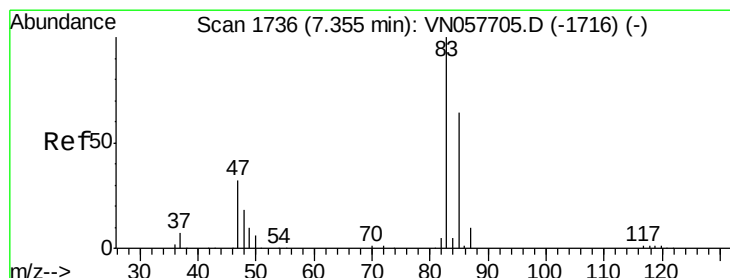
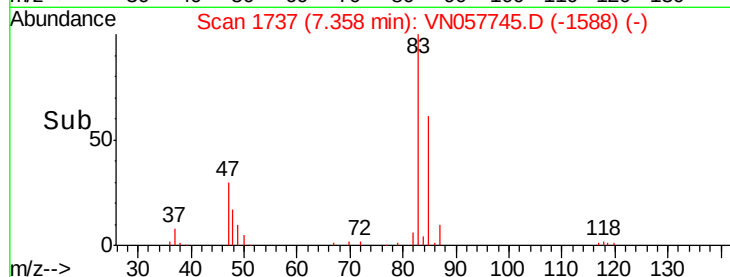
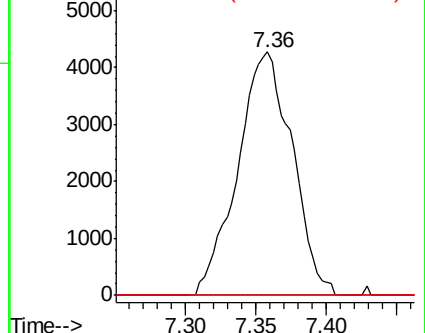
130 0.0 45.8 68.8#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 14.437 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057745.D

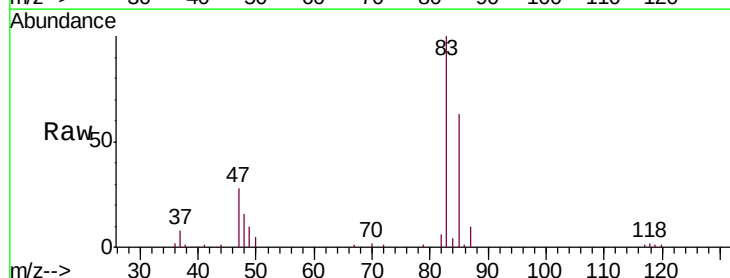
Acq: 7 Sep 2019 12:10

Tgt Ion: 83 Resp: 108015

Ion Ratio Lower Upper

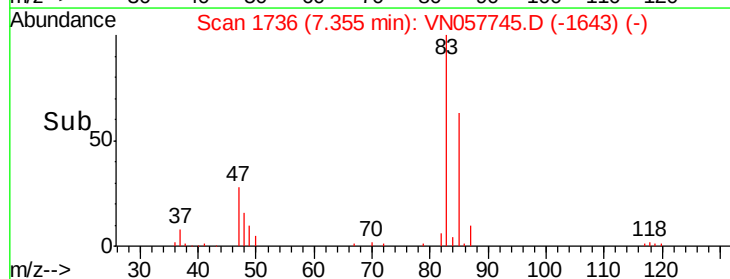
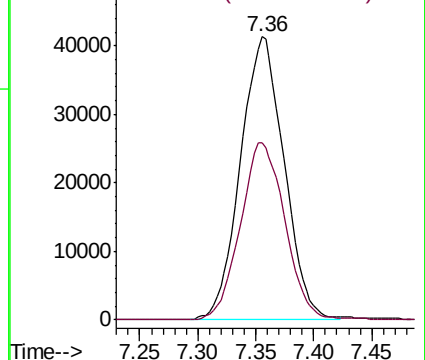
83 100

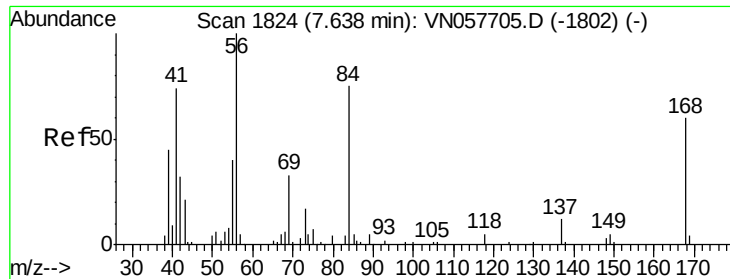
85 62.8 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

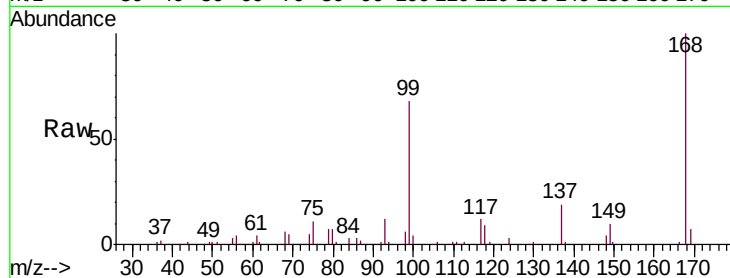




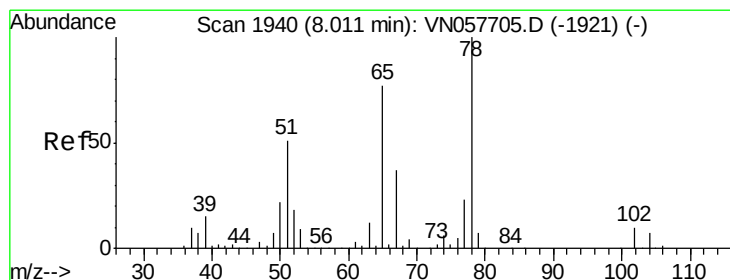
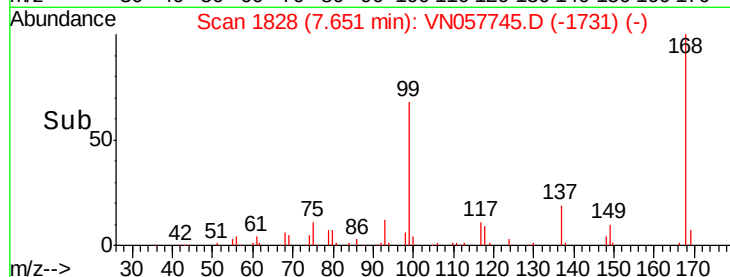
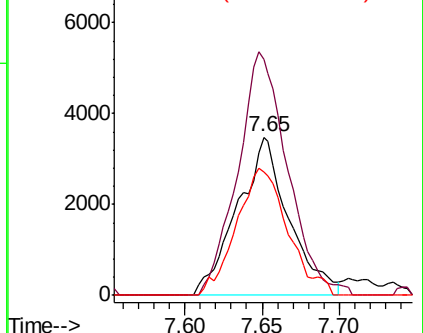
#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057745.D
Acq: 7 Sep 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
GW-807-15.0-20.0-090619

Tgt Ion: 56 Resp: 8078
Ion Ratio Lower Upper
56 100
69 149.1 26.2 39.2#
84 78.4 59.8 89.8

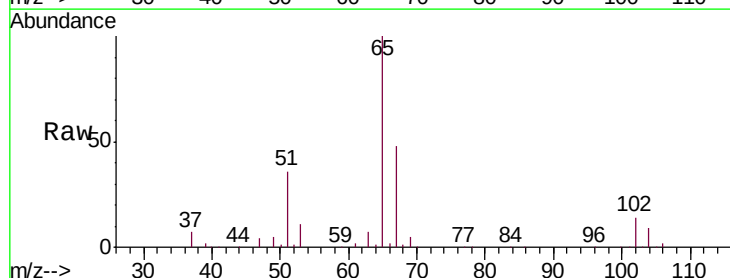


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

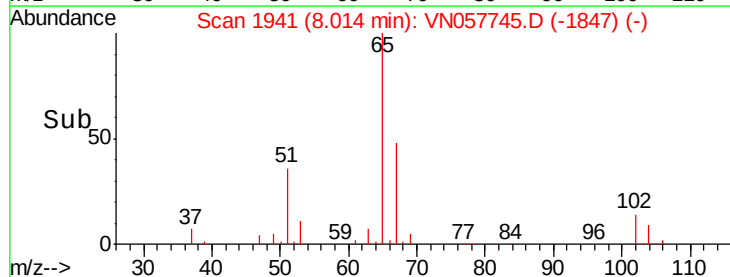
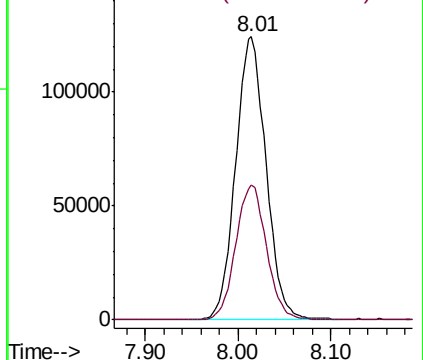


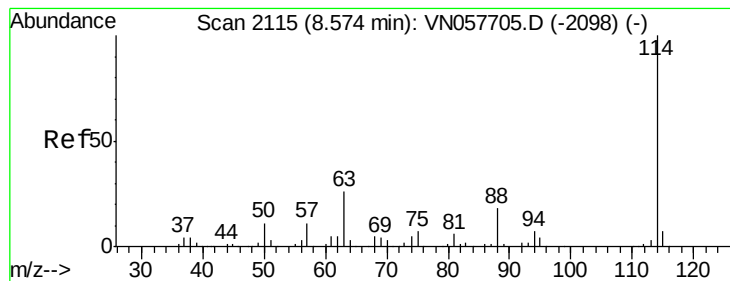
#33
1,2-Dichloroethane-d4
Concen: 49.835 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057745.D
Acq: 7 Sep 2019 12:10

Tgt Ion: 65 Resp: 283376
Ion Ratio Lower Upper
65 100
67 47.7 0.0 98.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

GW-807-15.0-20.0-090619

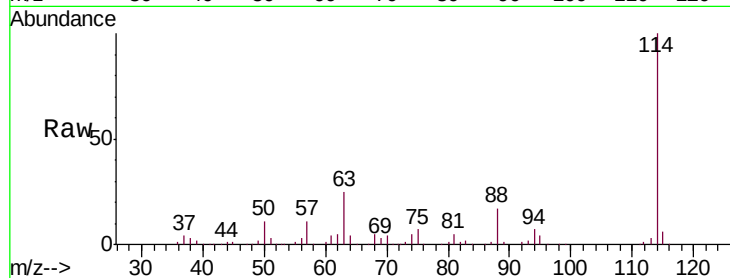
Tgt Ion:114 Resp: 378588

Ion Ratio Lower Upper

114 100

63 25.4 0.0 52.4

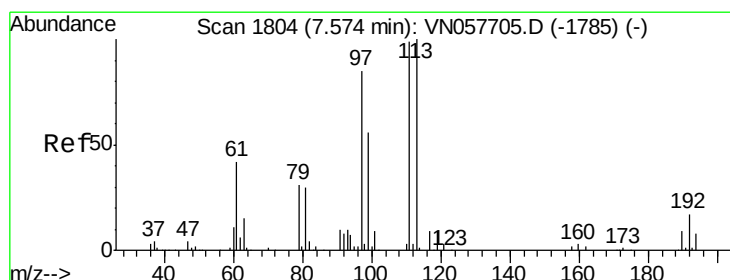
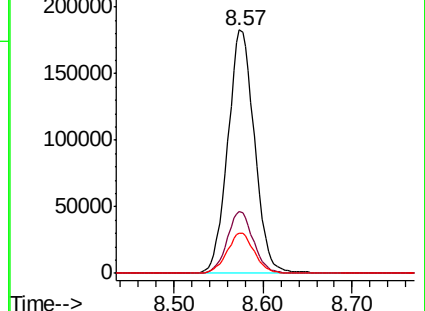
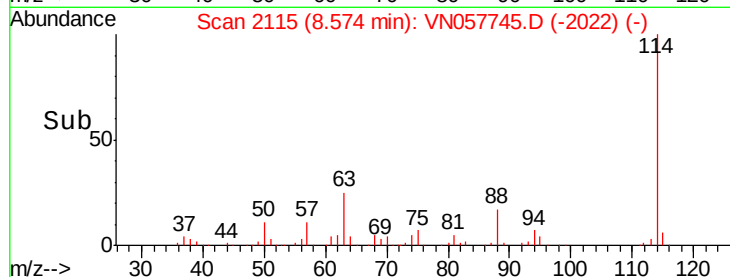
88 16.7 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 51.102 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

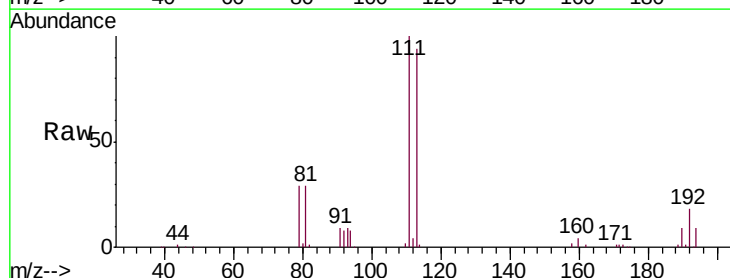
Tgt Ion:113 Resp: 176218

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

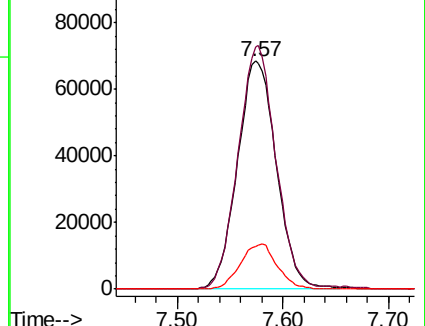
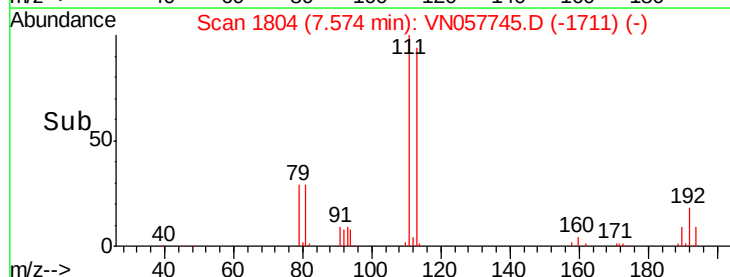
192 18.7 13.8 20.6

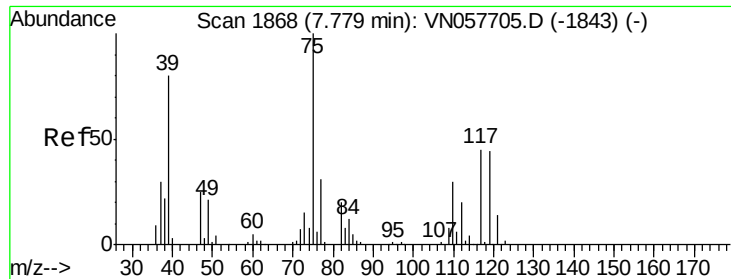


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

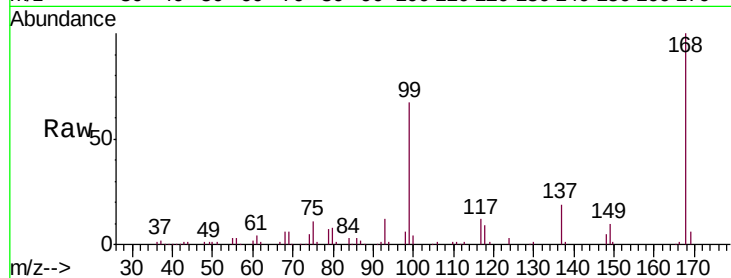




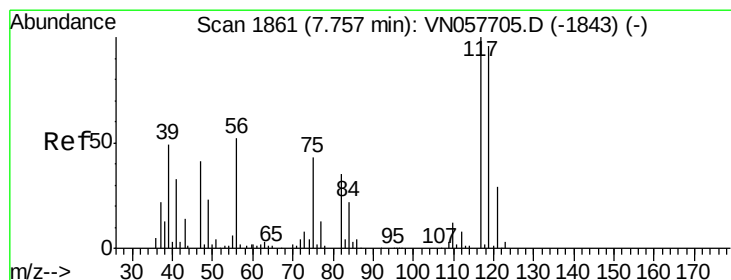
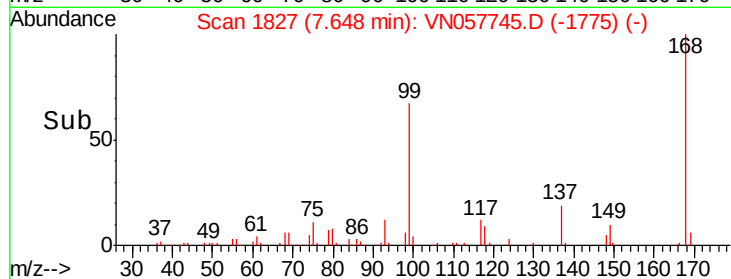
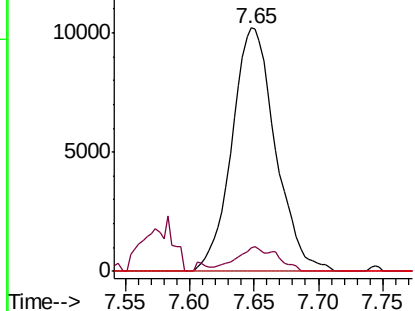
#36
 1,1-Dichloropropene
 Concen: 4.765 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057745.D
 Acq: 7 Sep 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-807-15.0-20.0-090619

Tgt Ion: 75 Resp: 23998
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.0 45.0#
 77 0.0 24.6 37.0#

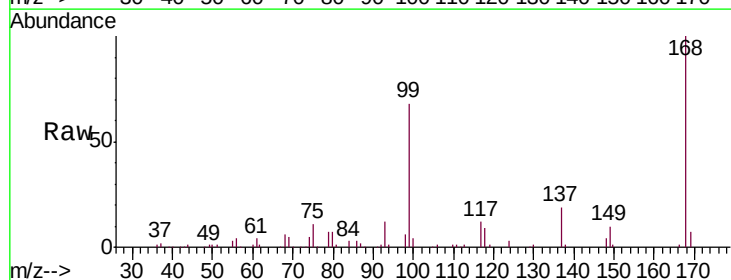


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

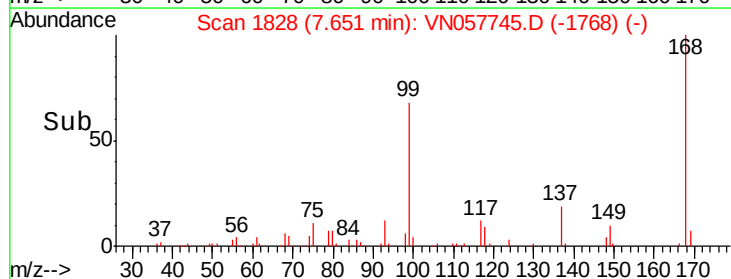
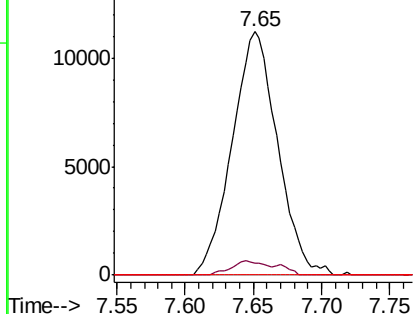


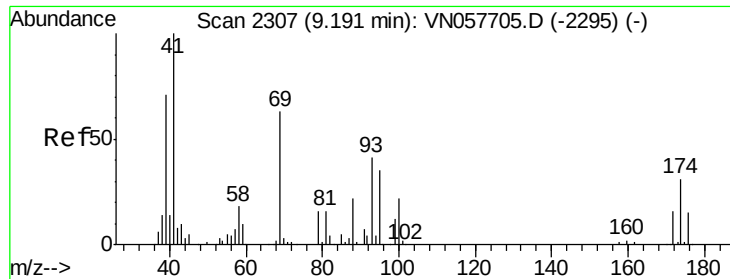
#38
 Carbon Tetrachloride
 Concen: 5.380 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057745.D
 Acq: 7 Sep 2019 12:10

Tgt Ion: 117 Resp: 25947
 Ion Ratio Lower Upper
 117 100
 119 5.0 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

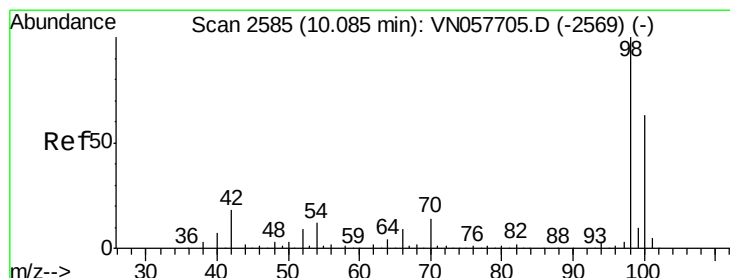
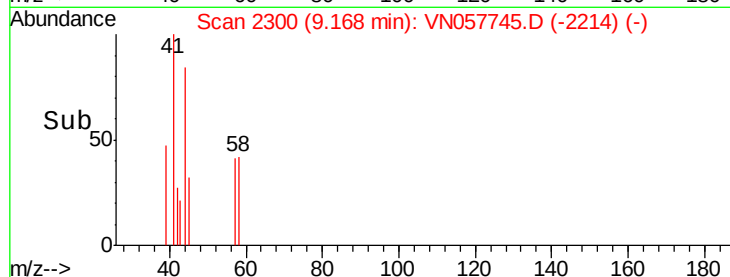
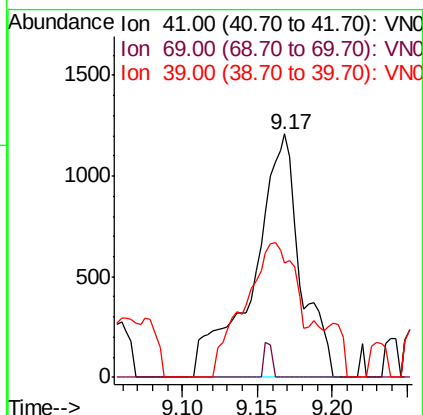
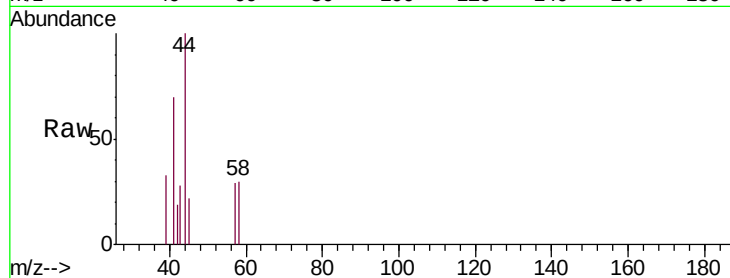




#48
Methyl methacrylate
Concen: 0.536 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN057745.D
Acq: 7 Sep 2019 12:10

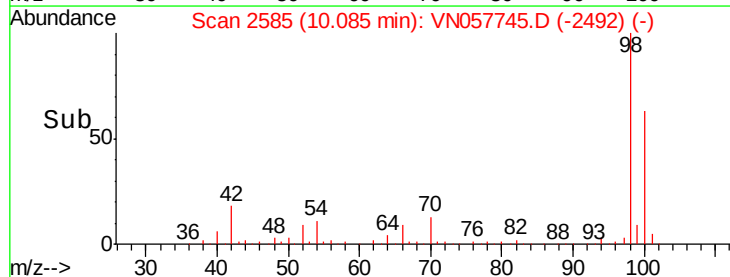
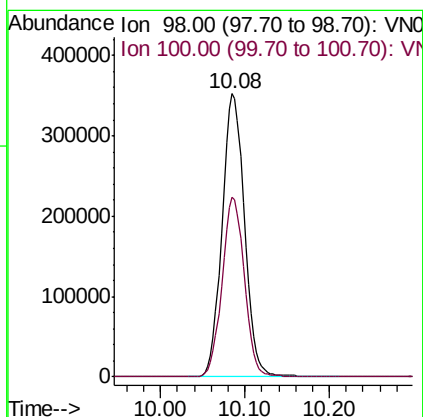
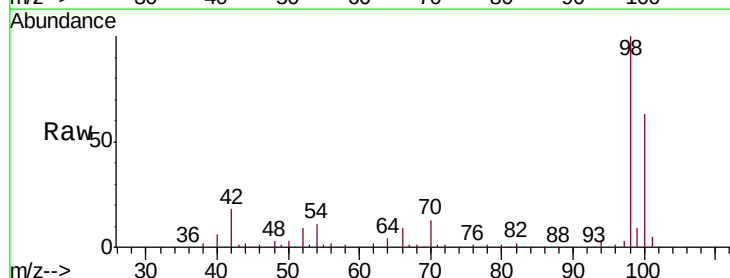
Instrument :
MSVOA_N
ClientSampleId :
GW-807-15.0-20.0-090619

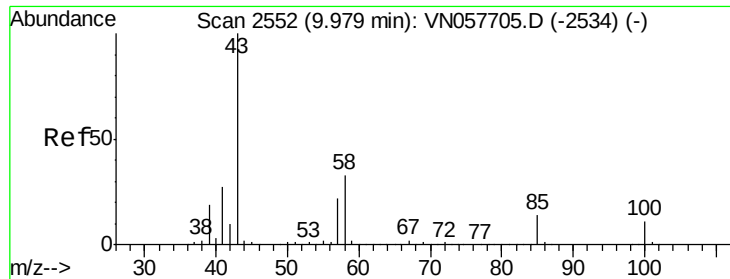
Tgt Ion: 41 Resp: 2644
Ion Ratio Lower Upper
41 100
69 2.4 51.2 76.8#
39 61.8 57.3 85.9



#50
Toluene-d8
Concen: 51.027 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057745.D
Acq: 7 Sep 2019 12:10

Tgt Ion: 98 Resp: 650912
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.543 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

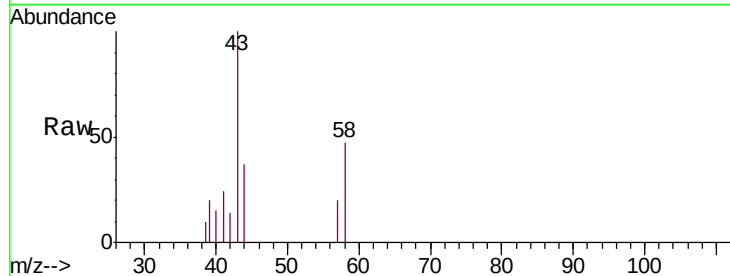
GW-807-15.0-20.0-090619

Tgt Ion: 43 Resp: 2896

Ion Ratio Lower Upper

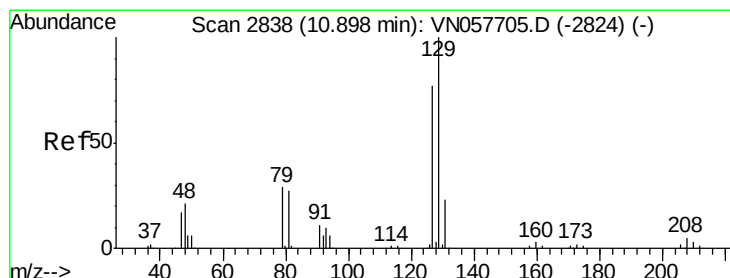
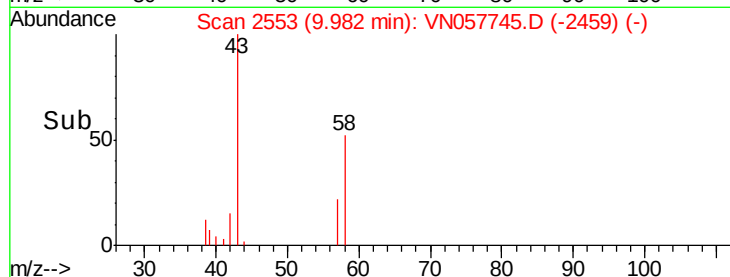
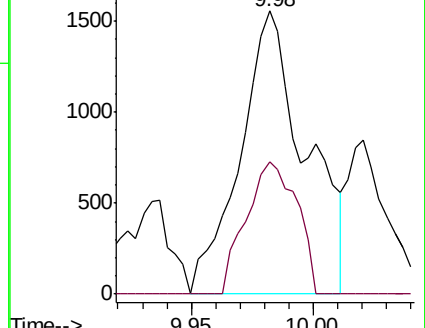
43 100

58 36.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-2534) (-)



#60

Dibromochloromethane

Concen: 1.891 ug/l

RT: 10.64 min Scan# 2757

Delta R.T. -0.26 min

Lab File: VN057745.D

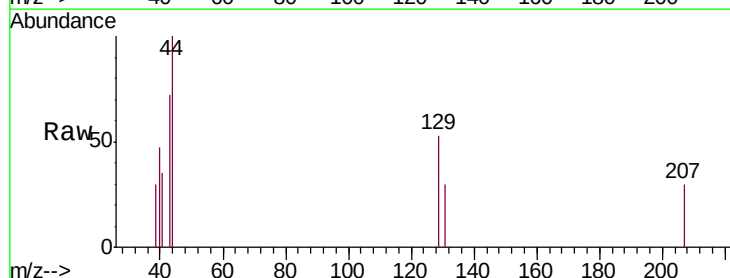
Acq: 7 Sep 2019 12:10

Tgt Ion: 129 Resp: 146

Ion Ratio Lower Upper

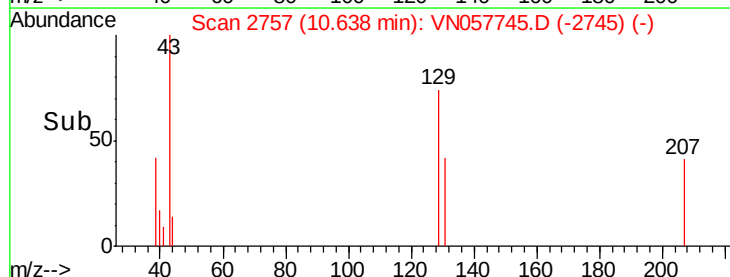
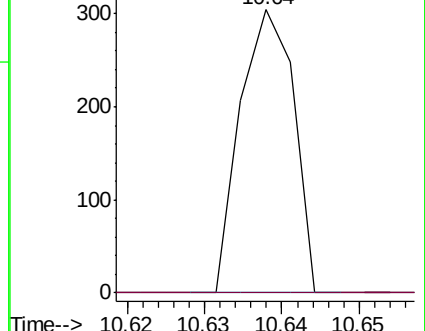
129 100

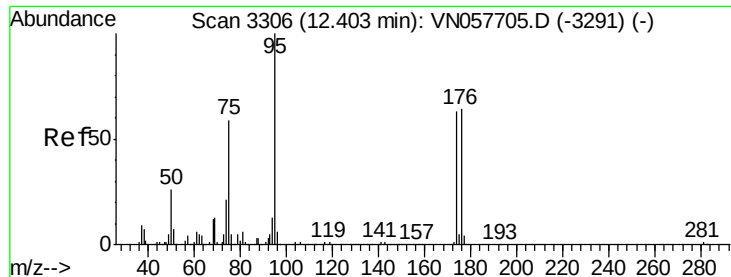
127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): VN057705.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN057705.D (-2824) (-)





#62

4-Bromofluorobenzene

Concen: 44.573 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

GW-807-15.0-20.0-090619

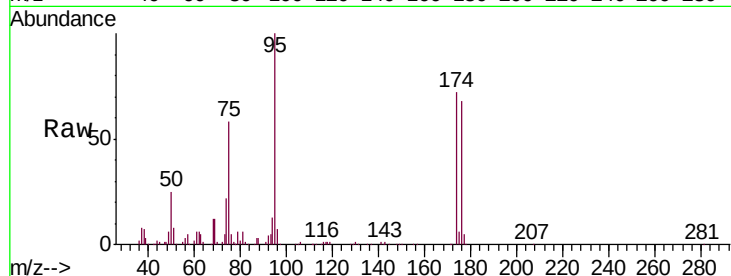
Tgt Ion: 95 Resp: 236167

Ion Ratio Lower Upper

95 100

174 73.5 0.0 128.0

176 70.4 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN057705.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057705.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057705.D (-3291) (-)

12.40

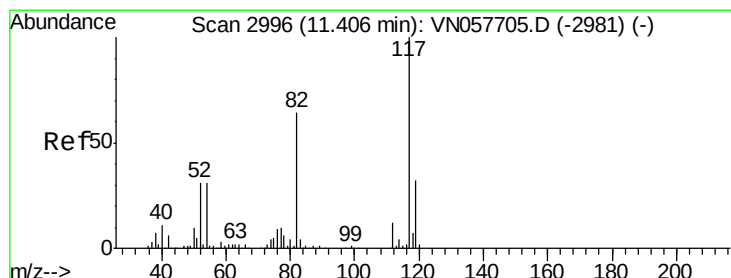
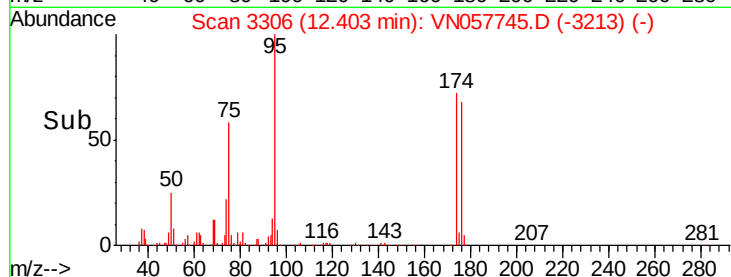
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

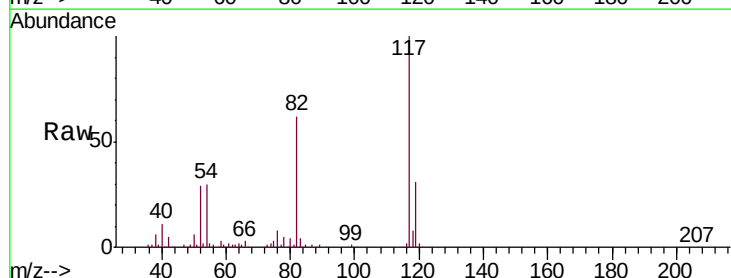
Tgt Ion: 117 Resp: 331835

Ion Ratio Lower Upper

117 100

82 62.2 51.4 77.0

119 31.1 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN057705.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057705.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057705.D (-2981) (-)

11.41

250000

200000

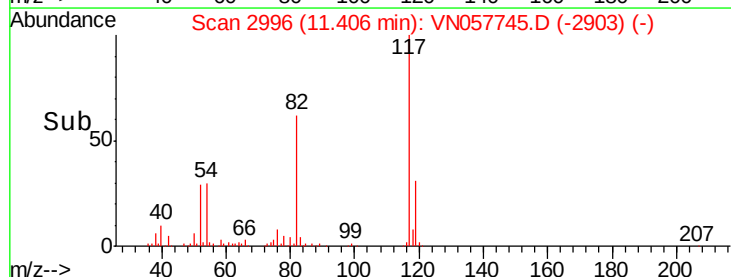
150000

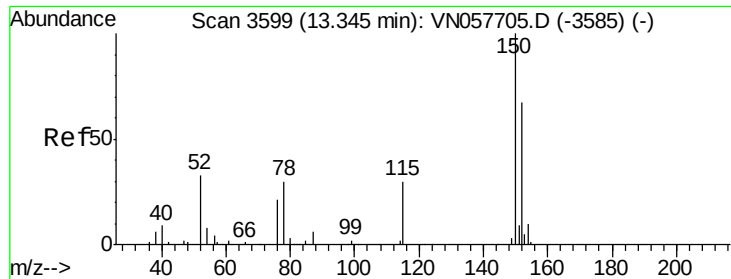
100000

50000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

GW-807-15.0-20.0-090619

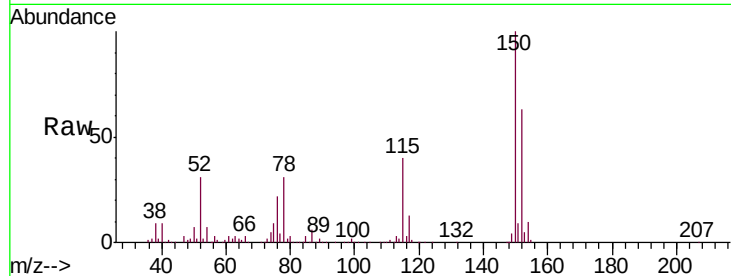
Tgt Ion: 152 Resp: 177802

Ion Ratio Lower Upper

152 100

115 63.4 33.8 101.3

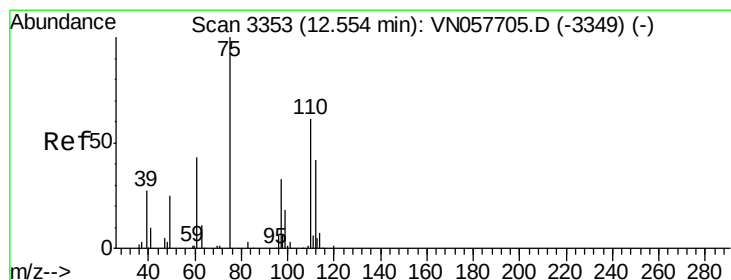
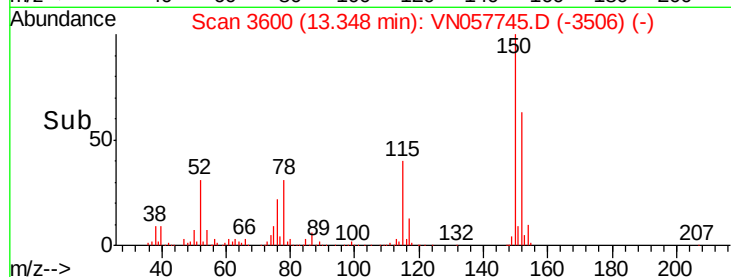
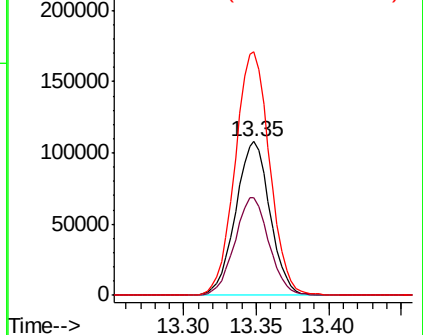
150 159.0 0.0 345.4



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: 34.639 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057745.D

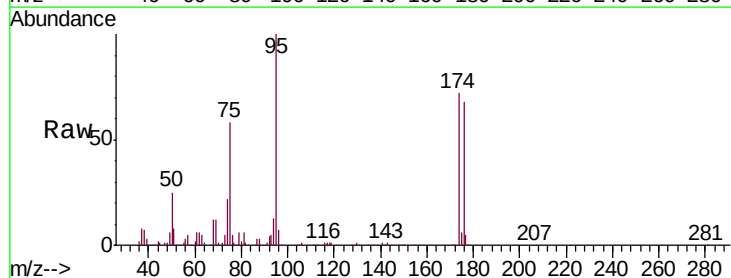
Acq: 7 Sep 2019 12:10

Tgt Ion: 75 Resp: 141431

Ion Ratio Lower Upper

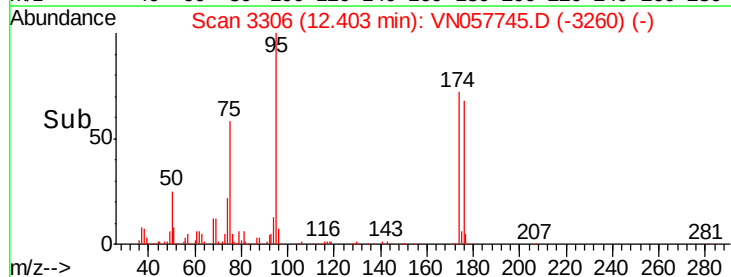
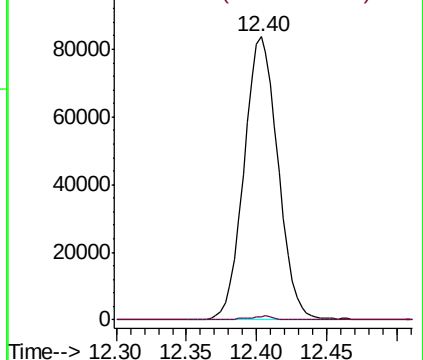
75 100

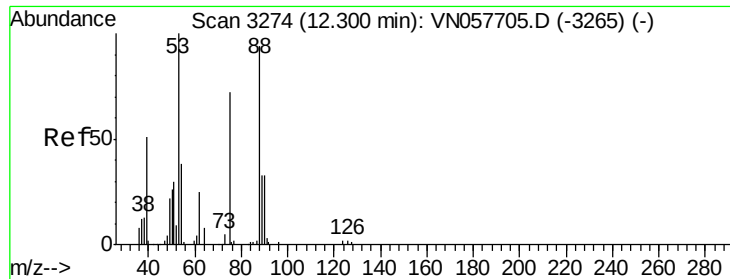
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 107.728 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

GW-807-15.0-20.0-090619

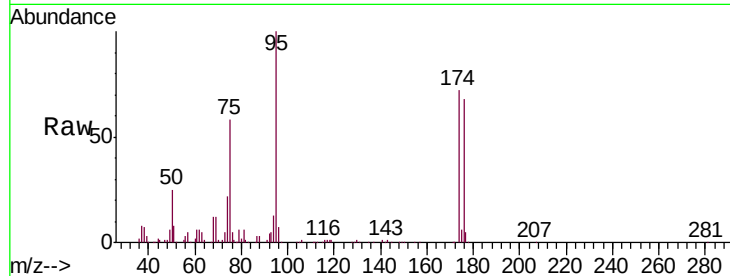
Tgt Ion: 75 Resp: 141431

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

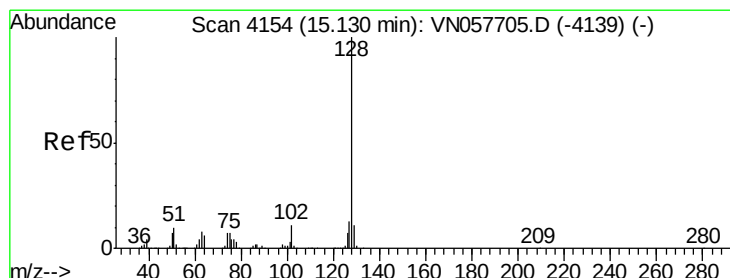
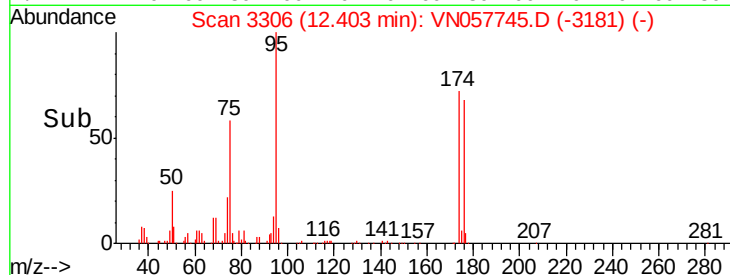
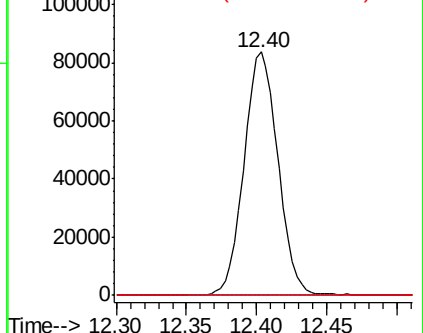
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 0.257 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057745.D

Acq: 7 Sep 2019 12:10

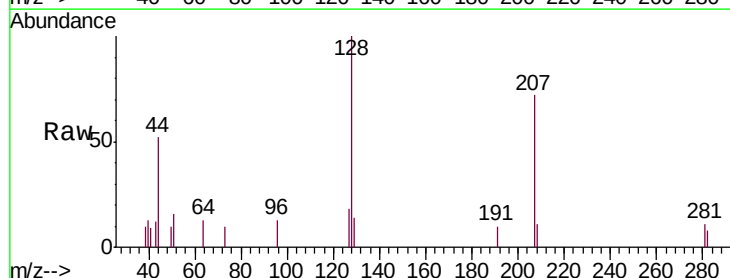
Tgt Ion: 128 Resp: 2808

Ion Ratio Lower Upper

128 100

127 15.7 10.6 15.8

129 12.7 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

