

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057039.D
 Acq On : 1 Aug 2019 15:58
 Operator : JC/SP
 Sample : K4097-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500

Quant Time: Aug 02 05:14:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	574417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	827062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	668401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	317330	53.97	ug/l	0.00
Spiked Amount						
			Recovery	=	107.94%	
35) Dibromofluoromethane	7.58	113	287550	54.31	ug/l	0.00
Spiked Amount						
			Recovery	=	108.62%	
50) Toluene-d8	10.08	98	1071251	53.06	ug/l	0.00
Spiked Amount						
			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.40	95	271662	41.33	ug/l	0.00
Spiked Amount						
			Recovery	=	82.66%	

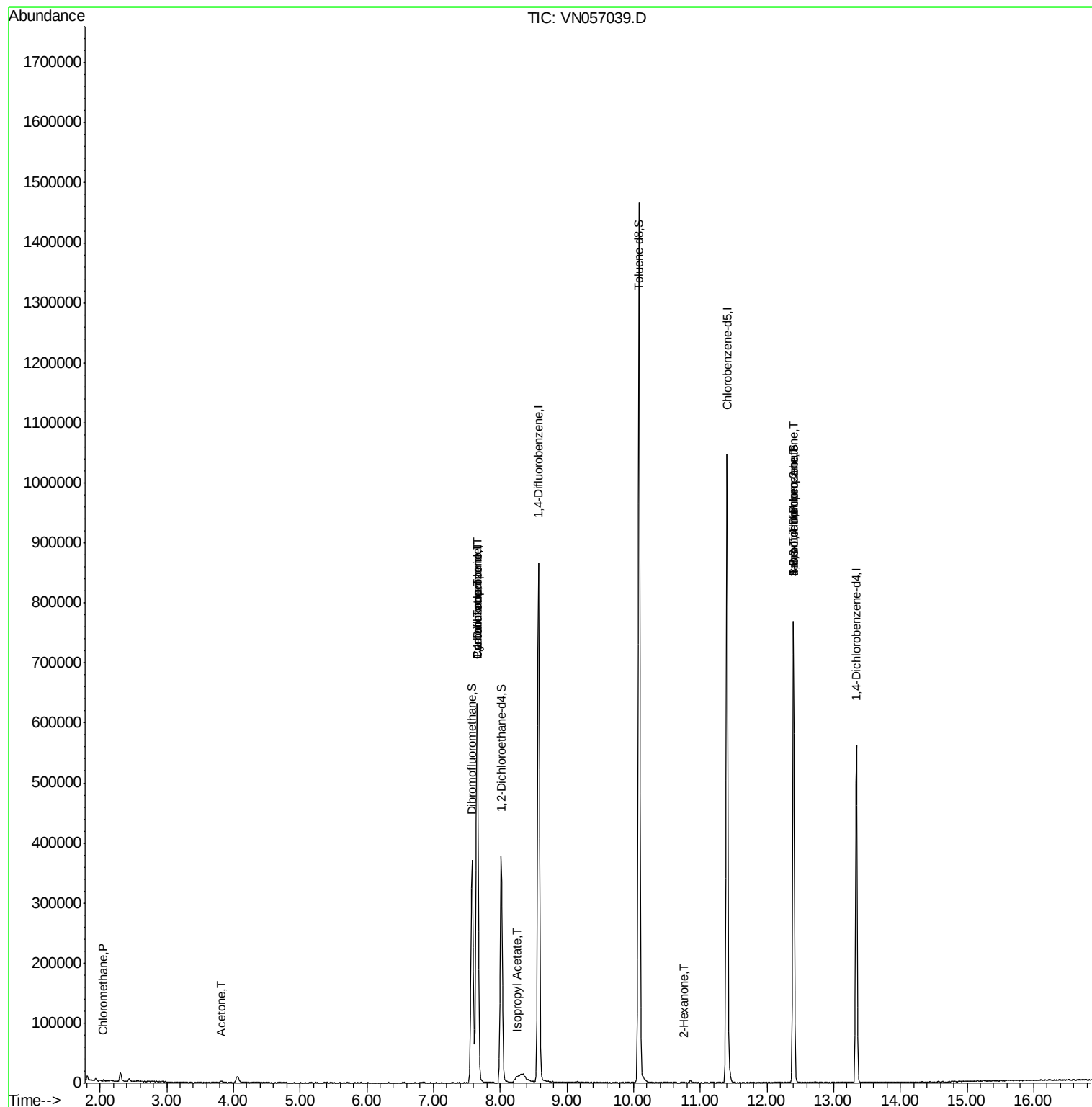
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1987	0.286	ug/l	95
16) Acetone	3.81	43	5249	2.464	ug/l	91
31) Cyclohexane	7.66	56	8716	0.902	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35827	4.923	ug/l #	47
38) Carbon Tetrachloride	7.65	117	47253	6.864	ug/l #	17
43) Isopropyl Acetate	8.25	43	8415	0.873	ug/l #	52
59) 2-Hexanone	10.74	43	35	2.508	ug/l #	23
71) Bromoform	12.40	173	2143	0.599	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	36	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	126825	36.354	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	126825	116.806	ug/l #	15

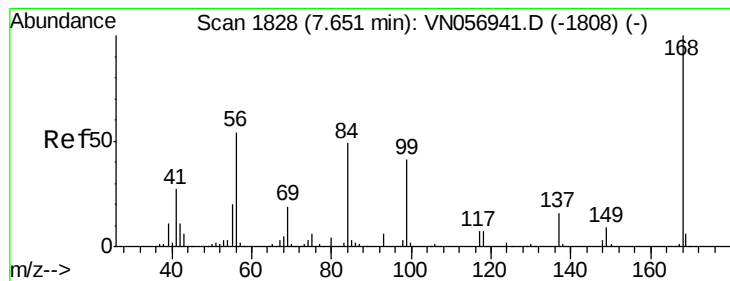
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

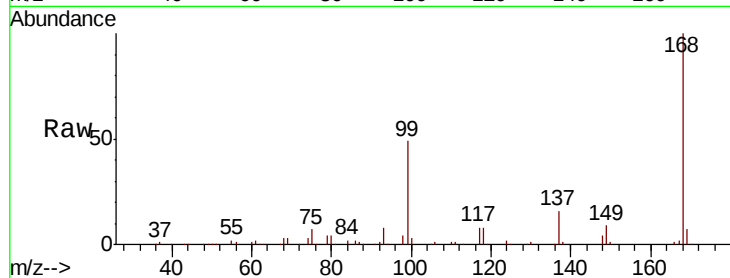
BP-VPB203-GW-498-500

Tot Ion:168 Resp: 574417

Ion Ratio Lower Upper

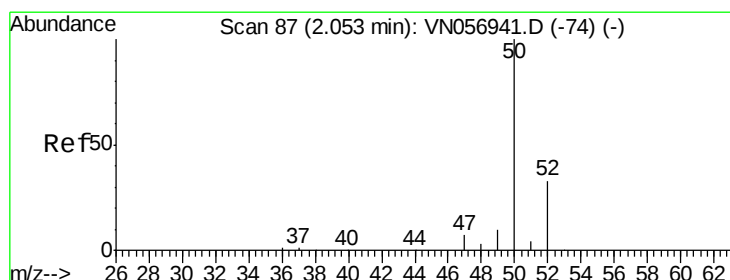
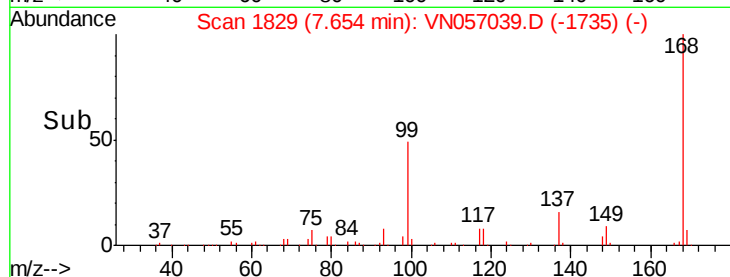
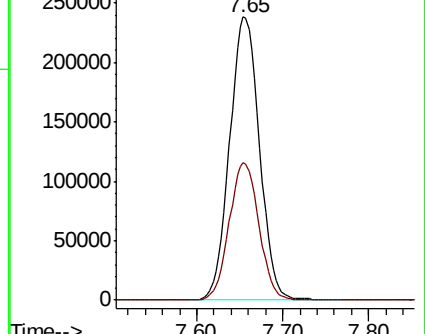
168 100

99 48.7 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.286 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057039.D

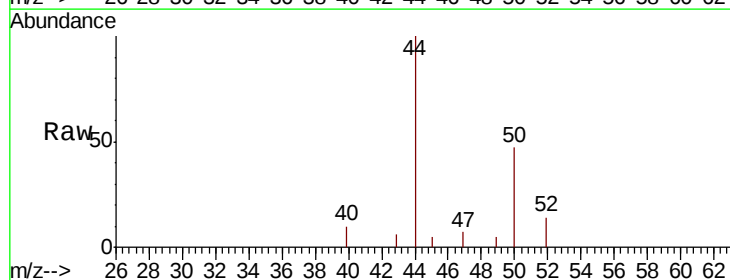
Acq: 1 Aug 2019 15:58

Tgt Ion: 50 Resp: 1987

Ion Ratio Lower Upper

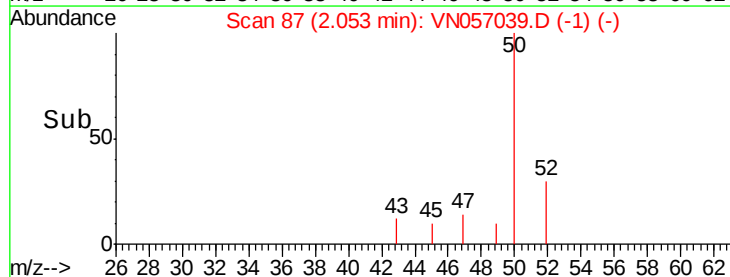
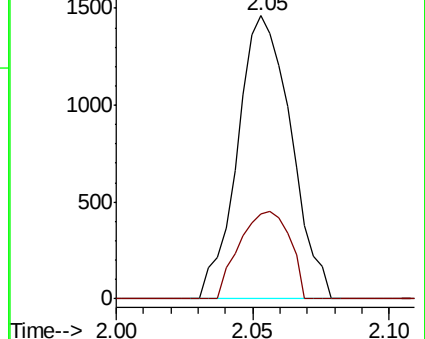
50 100

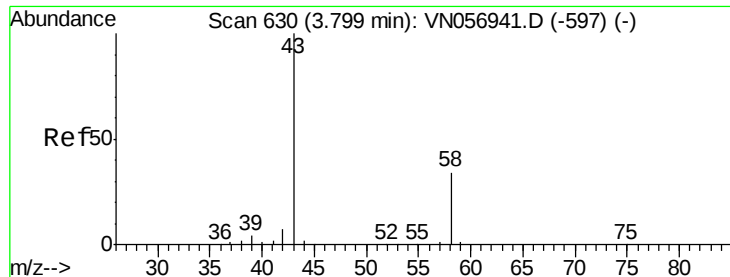
52 30.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#16

Acetone

Concen: 2.464 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

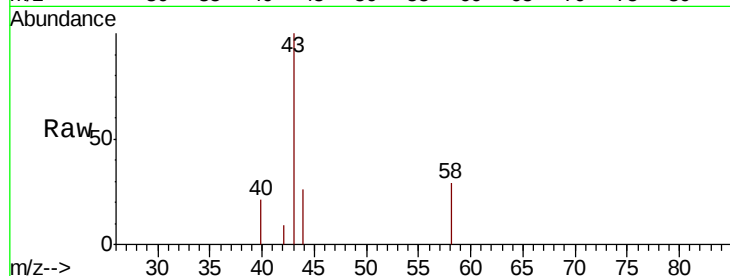
BP-VPB203-GW-498-500

Tot Ion: 43 Resp: 5249

Ion Ratio Lower Upper

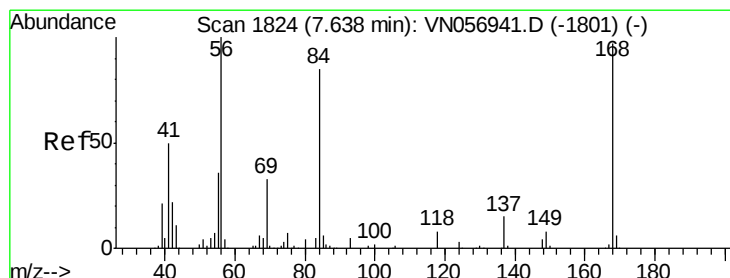
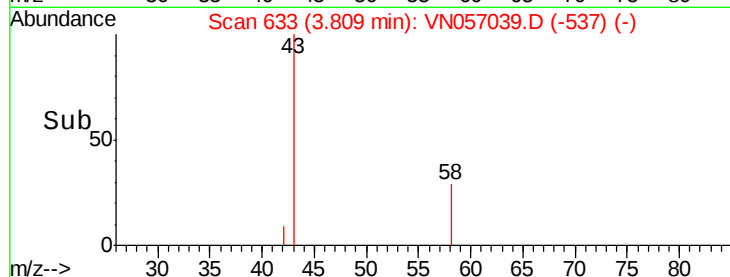
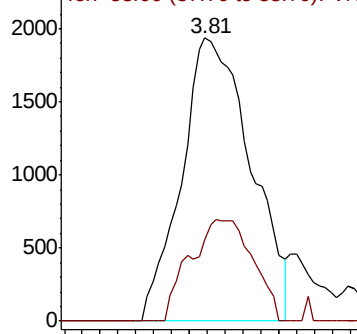
43 100

58 28.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 0.902 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

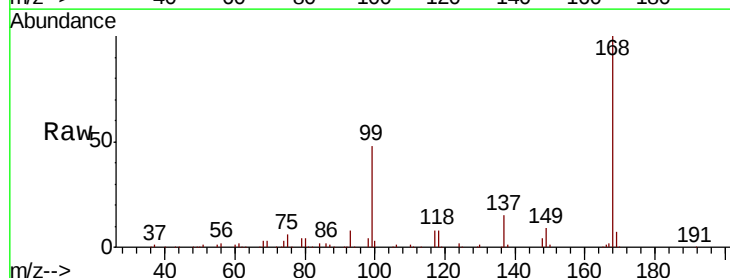
Tgt Ion: 56 Resp: 8716

Ion Ratio Lower Upper

56 100

69 184.3 26.2 39.2#

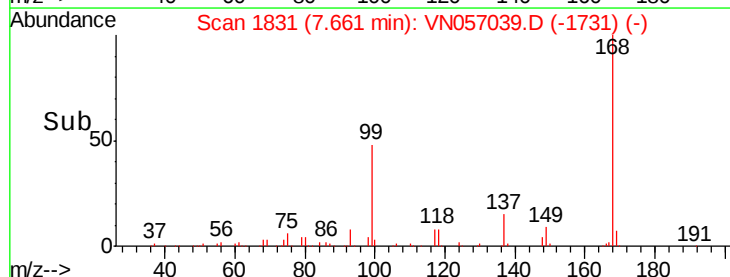
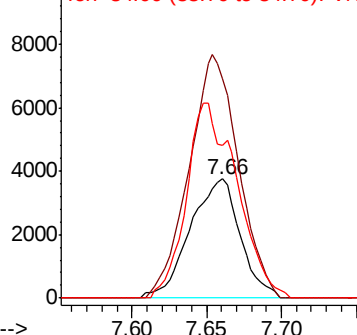
84 128.3 68.2 102.2#

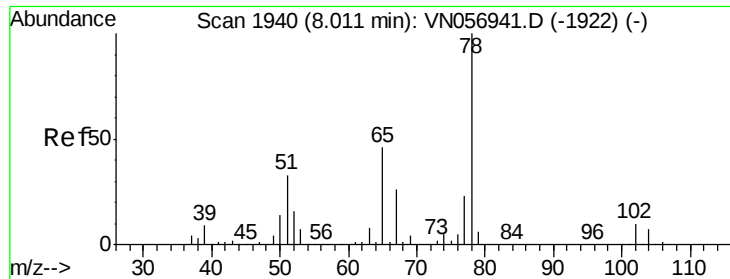


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

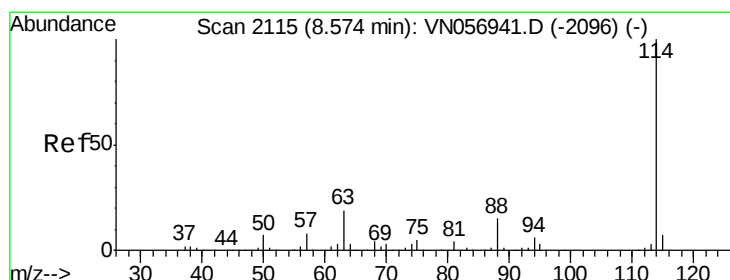
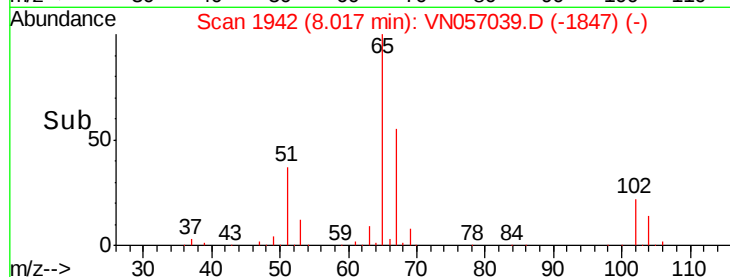
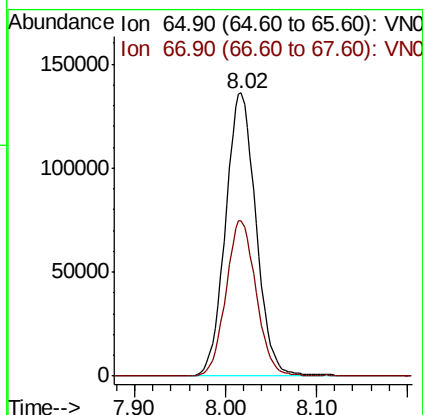
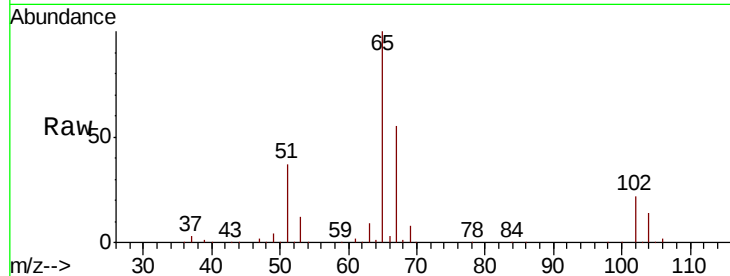




#33
 1,2-Dichloroethane-d4
 Concen: 53.968 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057039.D
 Acq: 1 Aug 2019 15:58

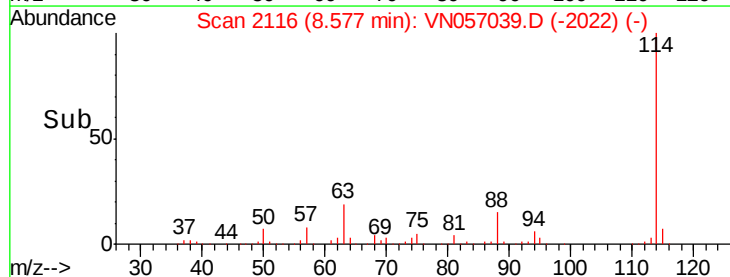
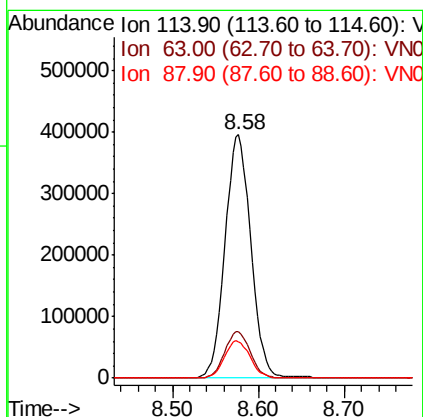
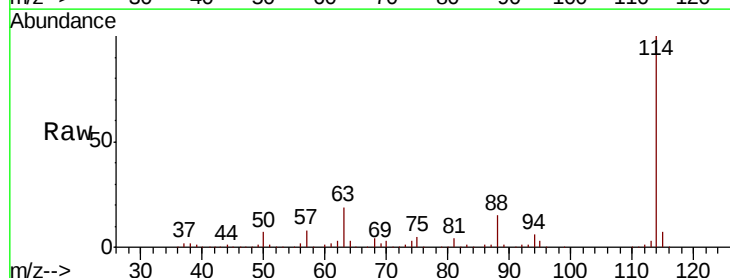
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500

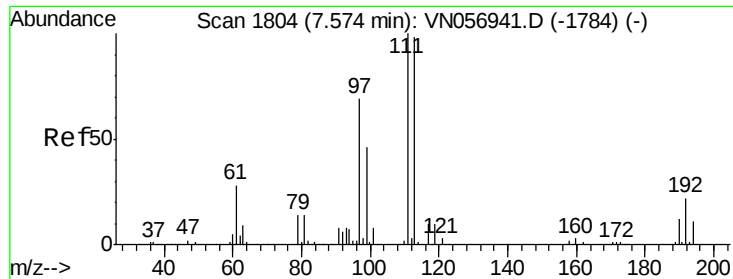
Tot Ion: 65 Resp: 317330
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057039.D
 Acq: 1 Aug 2019 15:58

Tgt Ion: 114 Resp: 827062
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.0
 88 15.1 0.0 30.0

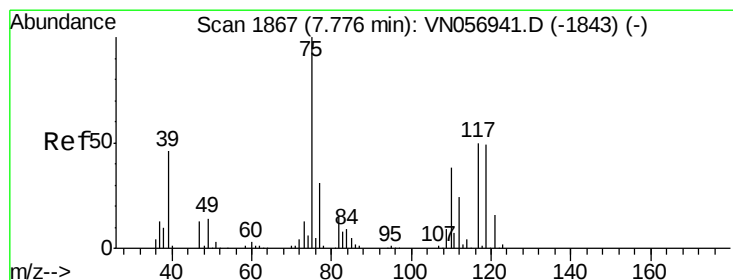
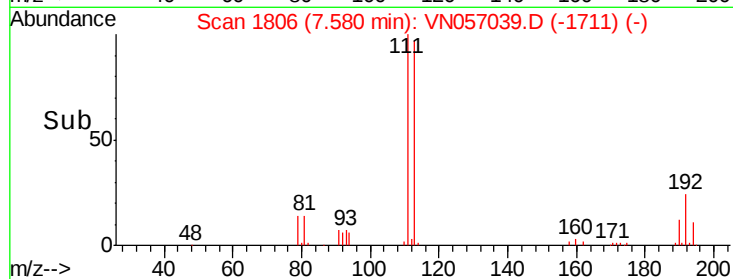
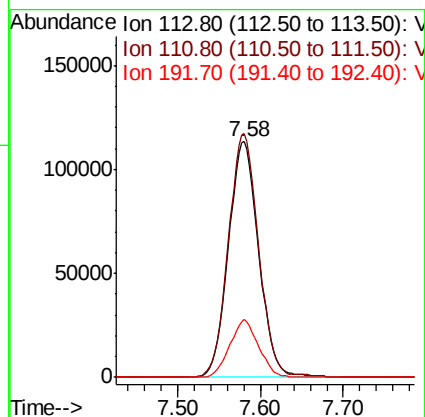
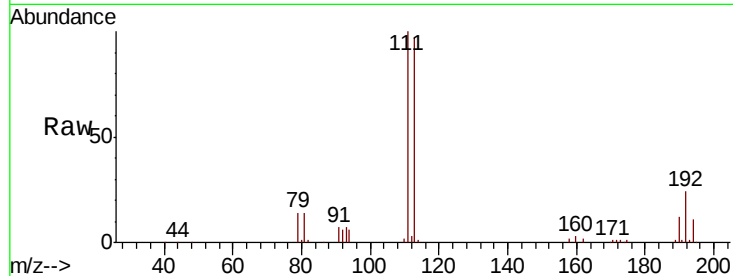




#35
 Dibromofluoromethane
 Concen: 54.310 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057039.D
 Acq: 1 Aug 2019 15:58

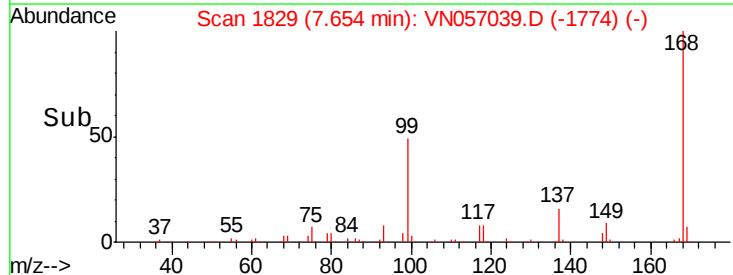
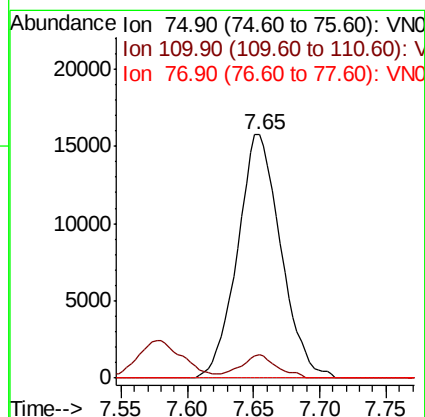
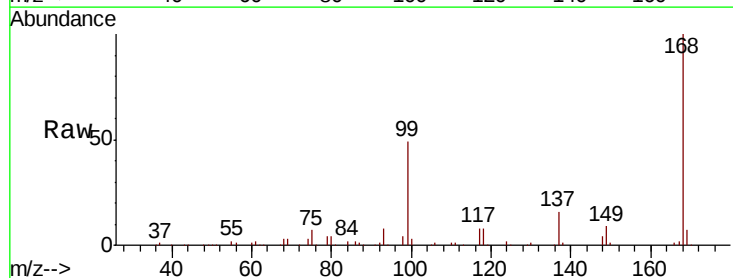
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500

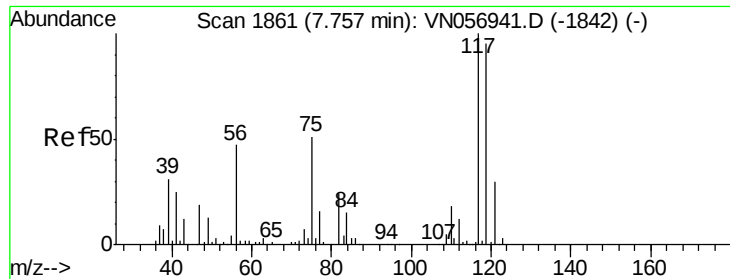
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	23.3	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.923 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057039.D
 Acq: 1 Aug 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.6	55.8#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 6.864 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500

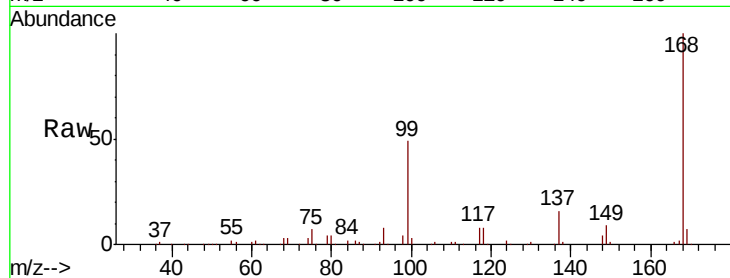
Tot Ion:117 Resp: 47253

Ion Ratio Lower Upper

117 100

119 5.5 75.3 112.9#

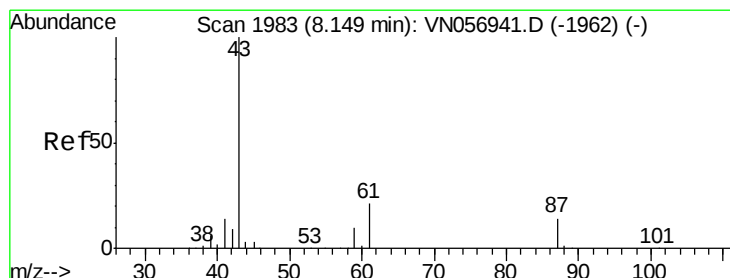
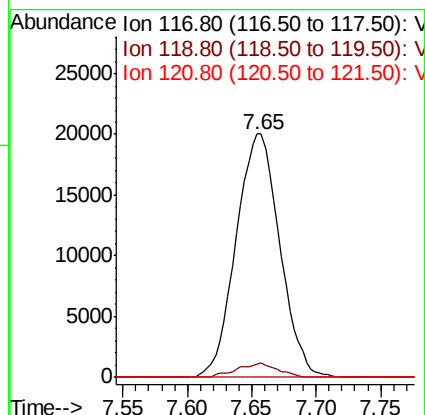
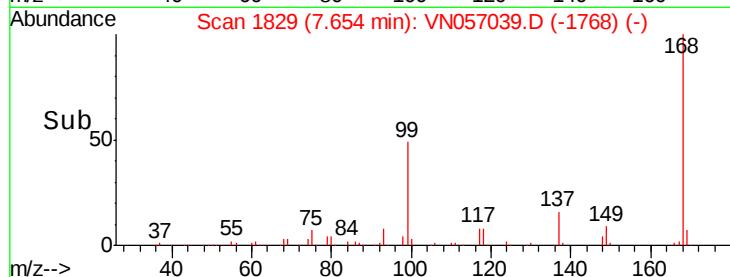
121 0.0 24.2 36.4#



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



#43

Isopropyl Acetate

Concen: 0.873 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.10 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

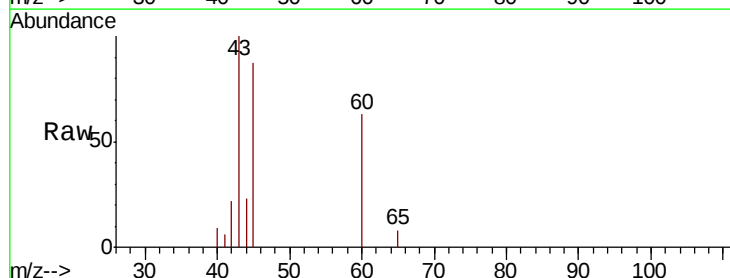
Tgt Ion: 43 Resp: 8415

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

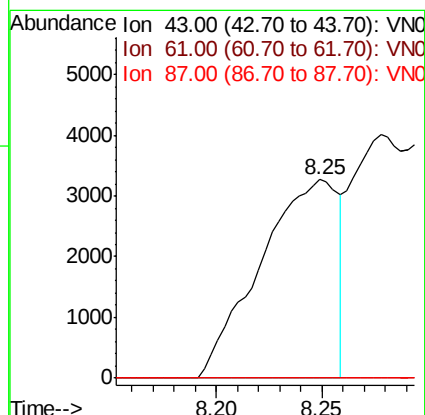
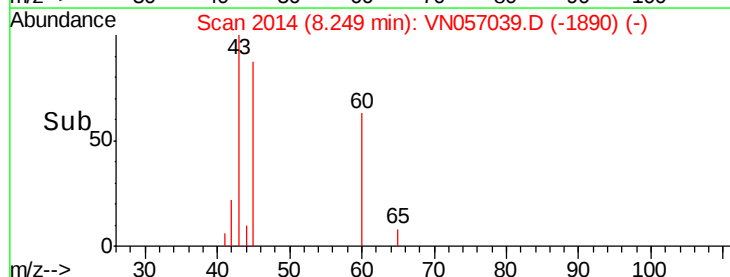
87 0.0 11.7 17.5#

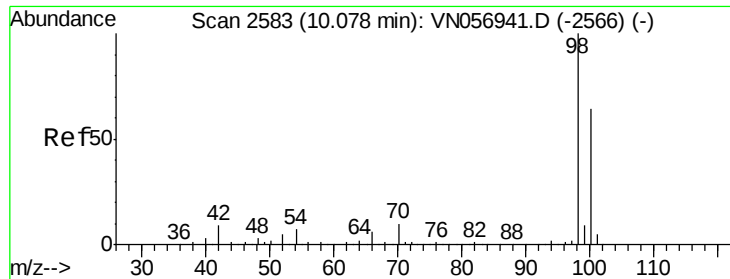


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 53.057 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

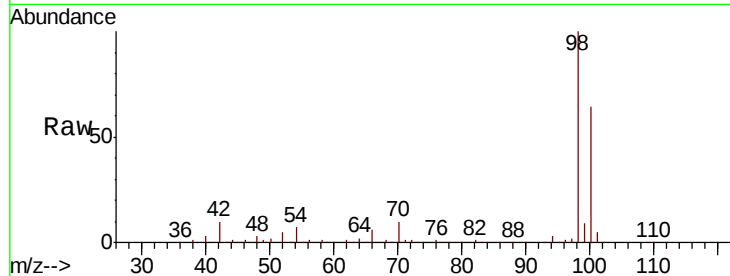
BP-VPB203-GW-498-500

Tot Ion: 98 Resp: 1071251

Ion Ratio Lower Upper

98 100

100 64.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)

10.08

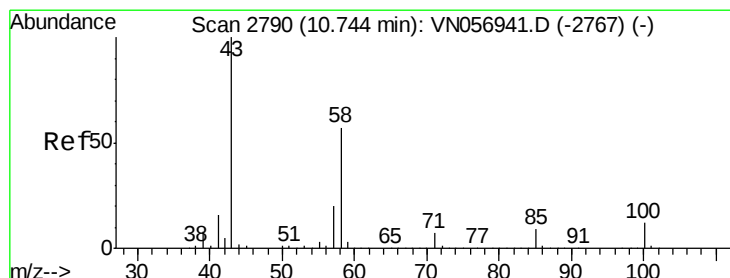
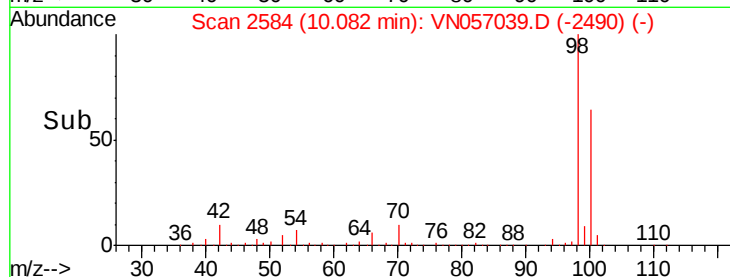
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 2.508 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN057039.D

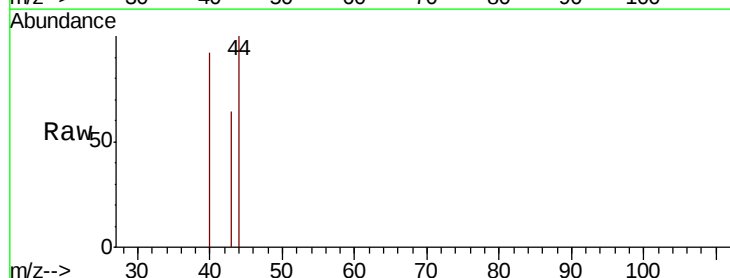
Acq: 1 Aug 2019 15:58

Tgt Ion: 43 Resp: 35

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2767) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2767) (-)

10.74

250

200

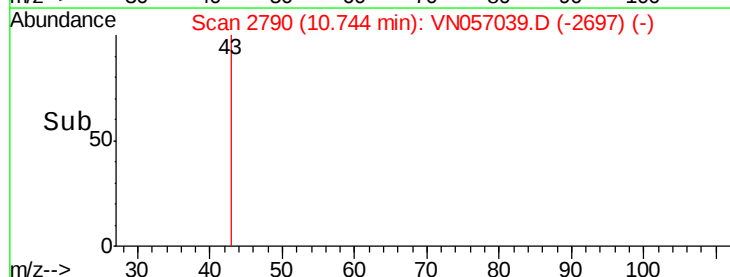
150

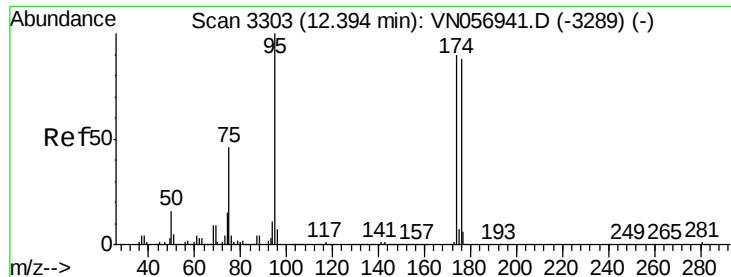
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.330 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500

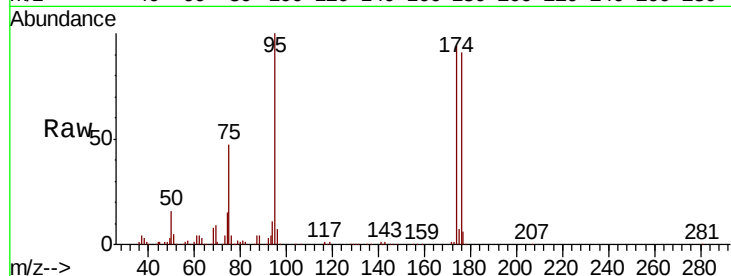
Tot Ion: 95 Resp: 271662

Ion Ratio Lower Upper

95 100

174 93.4 0.0 182.2

176 92.3 0.0 179.4



Abundance Ion 94.90 (94.60 to 95.60): VN056941.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN056941.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN056941.D (-3289) (-)

12.40

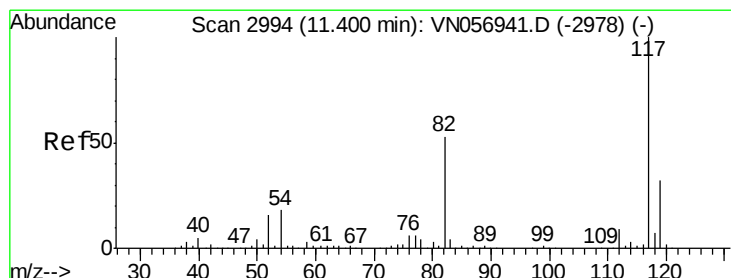
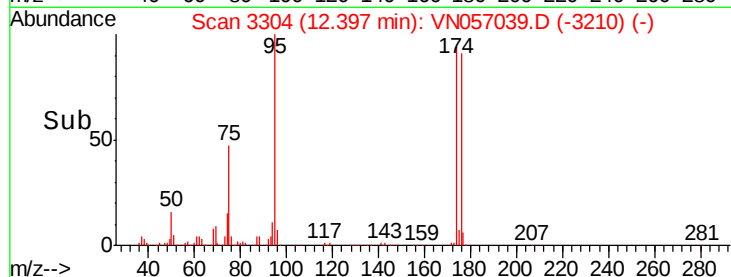
150000

100000

50000

0

Time--> 12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

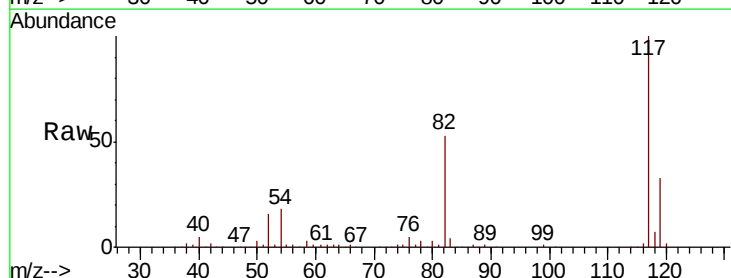
Tgt Ion: 117 Resp: 668401

Ion Ratio Lower Upper

117 100

82 53.3 42.2 63.4

119 32.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN056941.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN056941.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN056941.D (-2978) (-)

11.40

500000

400000

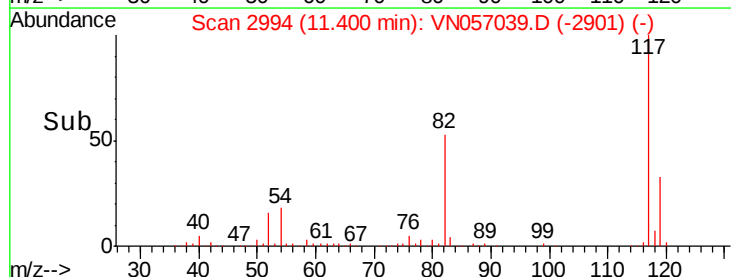
300000

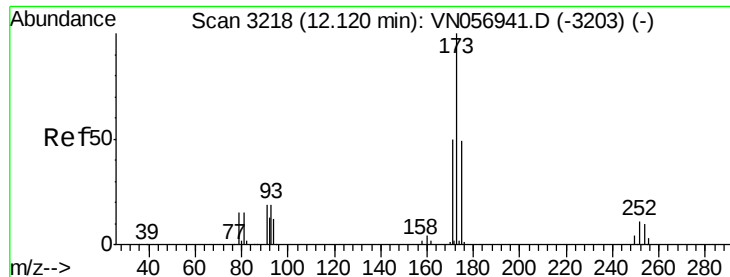
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.599 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500

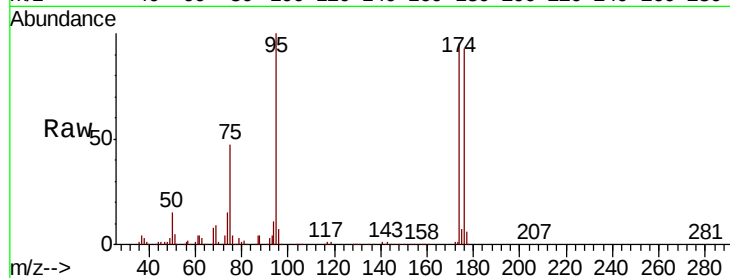
Tot Ion:173 Resp: 2143

Ion Ratio Lower Upper

173 100

175 716.4 24.1 72.4#

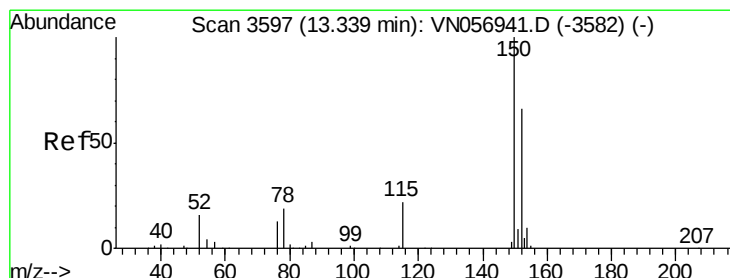
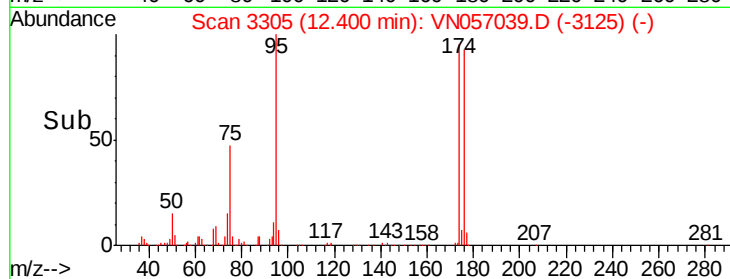
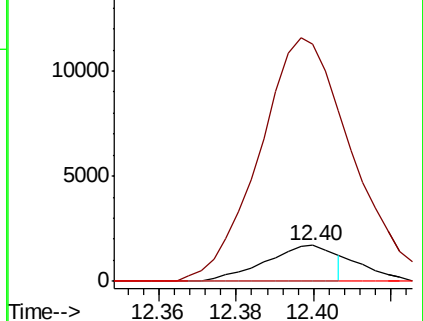
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

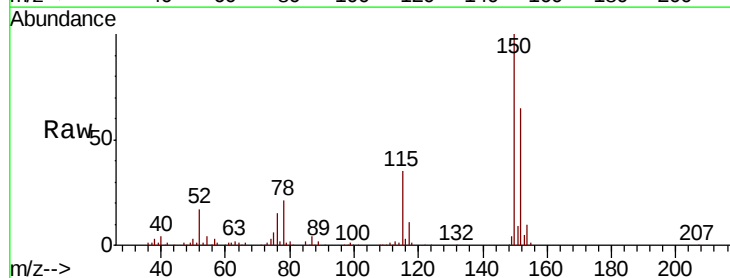
Tgt Ion:152 Resp: 171780

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.6

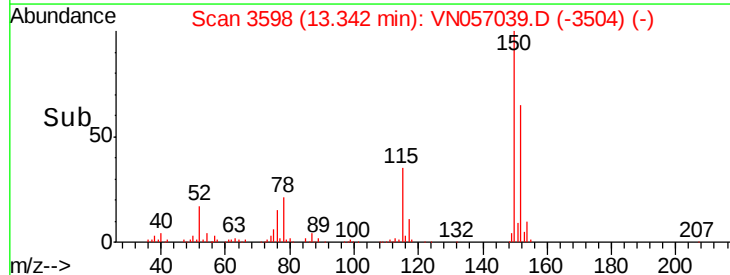
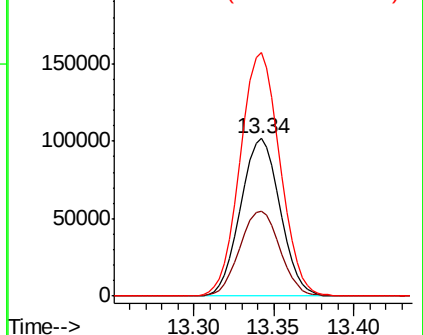
150 155.2 0.0 349.4

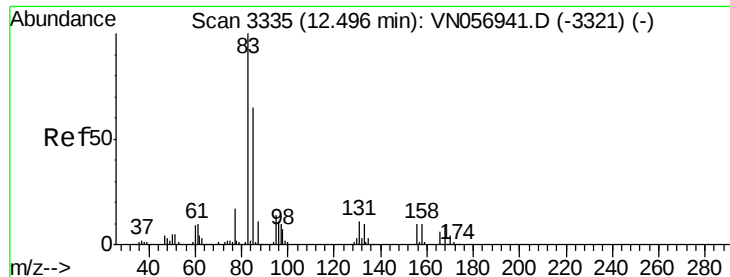


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.09 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500

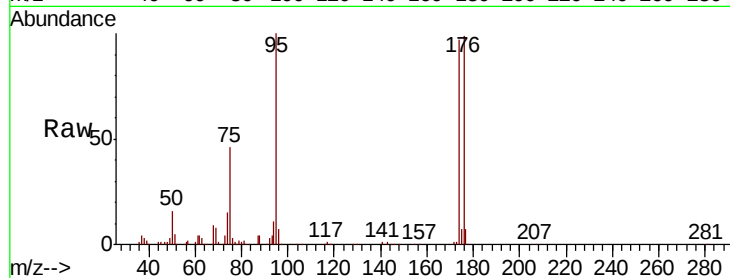
Tot Ion: 83 Resp: 36

Ion Ratio Lower Upper

83 100

131 466.7 5.3 16.1#

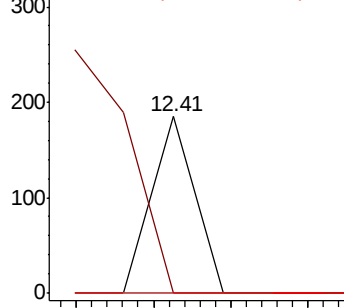
85 0.0 32.5 97.4#



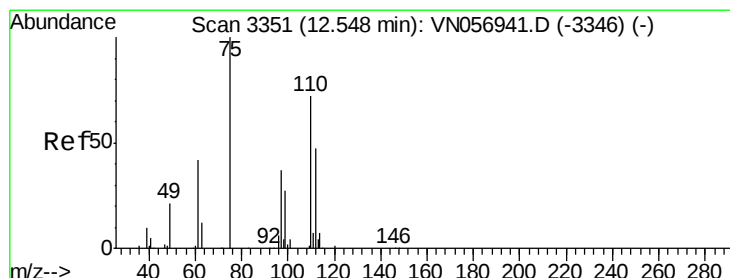
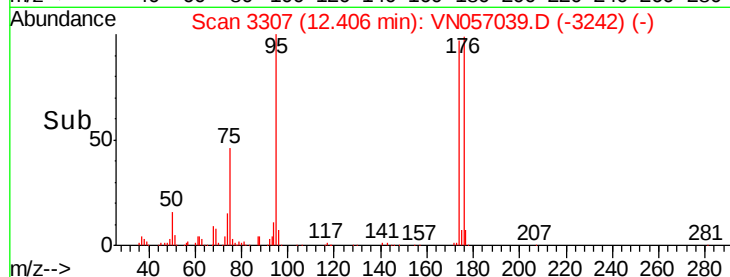
Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



Time-->



#76

1,2,3-Trichloropropane

Concen: 36.354 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057039.D

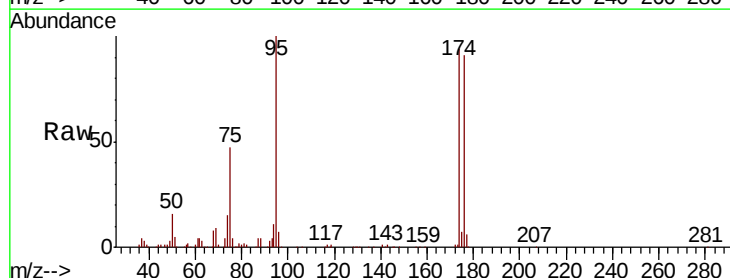
Acq: 1 Aug 2019 15:58

Tgt Ion: 75 Resp: 126825

Ion Ratio Lower Upper

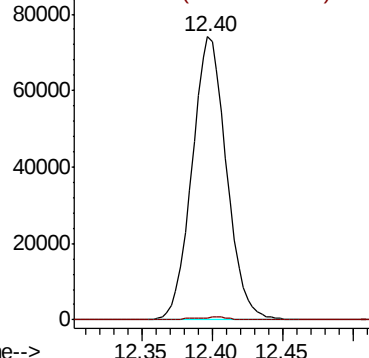
75 100

77 1.0 0.0 0.0#

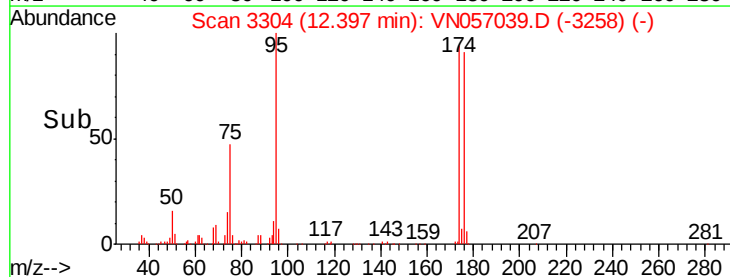


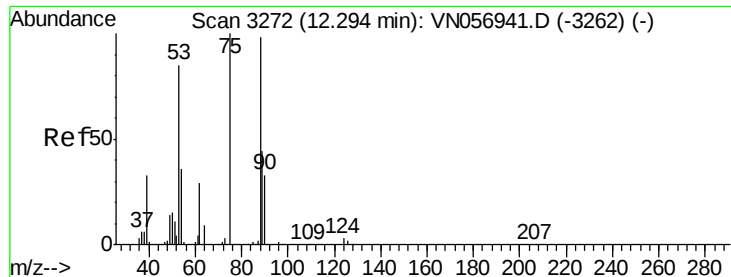
Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 116.806 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057039.D

Acq: 1 Aug 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500

Tot Ion: 75 Resp: 126825

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

