

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057036.D
 Acq On : 1 Aug 2019 14:48
 Operator : JC/SP
 Sample : K4097-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-478-480

Quant Time: Aug 02 05:13:56 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	7.66	168	555943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	800377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	645740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172614	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	328181	57.67	ug/l	0.00
Spiked Amount			Recovery	=	115.34%	
35) Dibromofluoromethane	7.58	113	298954	58.35	ug/l	0.00
Spiked Amount			Recovery	=	116.70%	
50) Toluene-d8	10.08	98	1114091	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
62) 4-Bromofluorobenzene	12.40	95	287747	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	

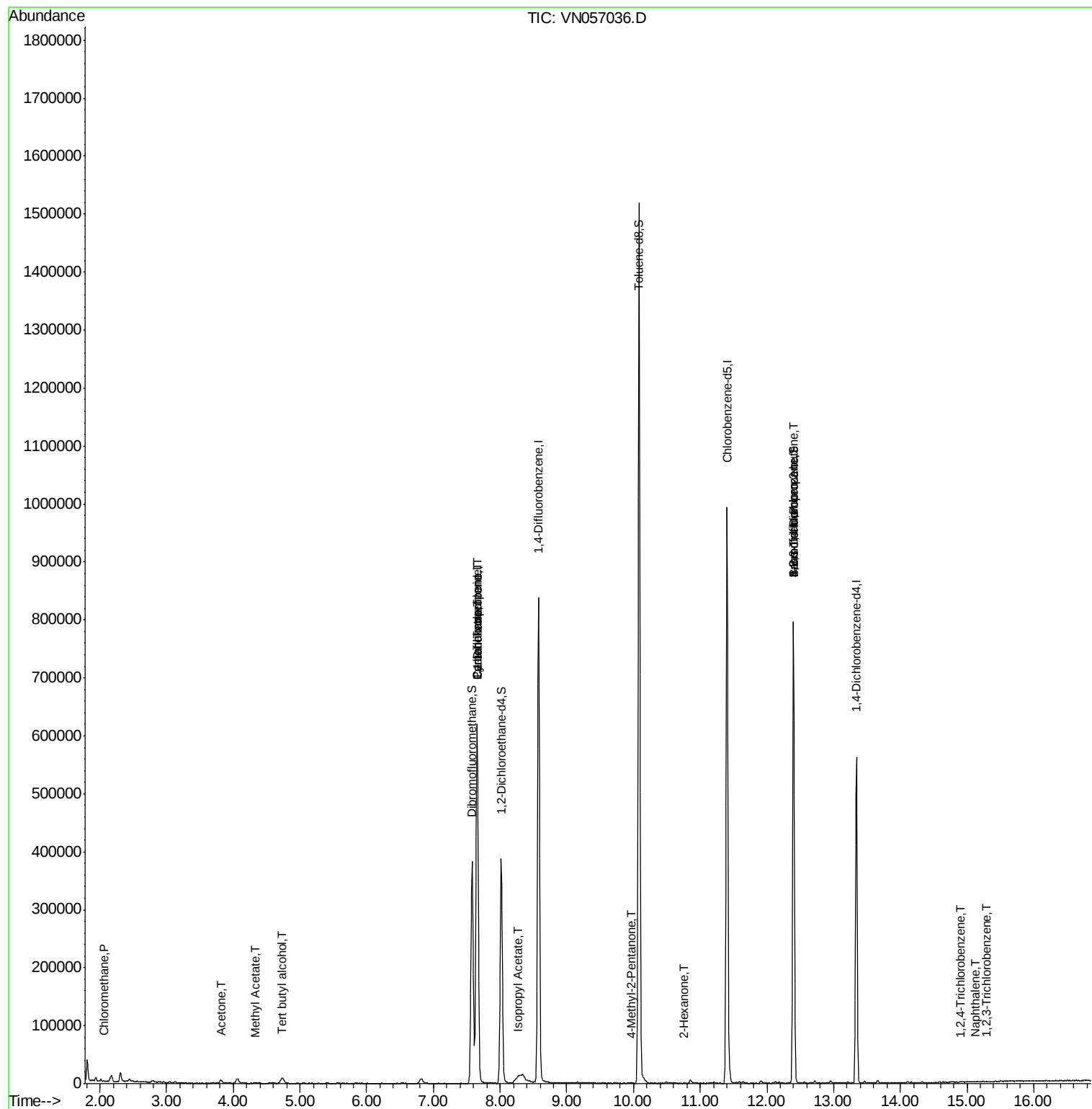
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	2119	0.315	ug/l #	88
11) Tert butyl alcohol	4.73	59	10102	13.133	ug/l #	74
16) Acetone	3.81	43	9362	4.541	ug/l	97
18) Methyl Acetate	4.32	43	2222	0.338	ug/l #	78
31) Cyclohexane	7.65	56	8740	0.935	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34608	4.914	ug/l #	48
38) Carbon Tetrachloride	7.65	117	47848	7.182	ug/l #	16
43) Isopropyl Acetate	8.26	43	11821	1.268	ug/l #	52
51) 4-Methyl-2-Pentanone	9.97	43	1163	0.210	ug/l #	34
59) 2-Hexanone	10.75	43	538	2.625	ug/l #	50
71) Bromoform	12.40	173	2357	0.682	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	30	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	131128	37.406	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131128	120.185	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	232	2.785	ug/l #	33
95) Naphthalene	15.11	128	66	3.596	ug/l #	42
96) 1,2,3-Trichlorobenzene	15.30	180	200	2.113	ug/l #	12

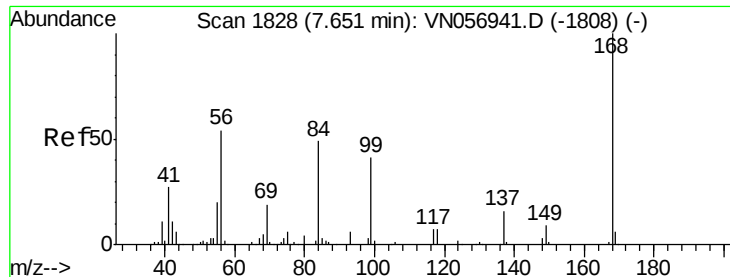
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057036.D

Acq: 1 Aug 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

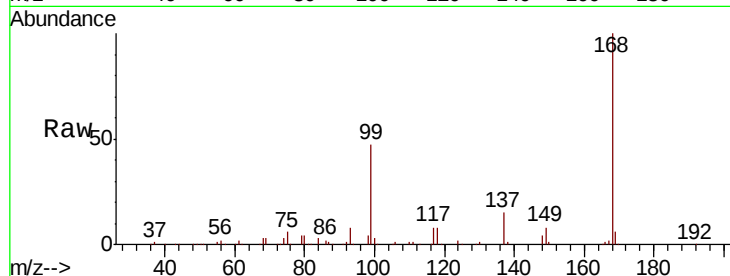
BP-VPB203-GW-478-480

Tot Ion:168 Resp: 555943

Ion Ratio Lower Upper

168 100

99 47.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

150000

100000

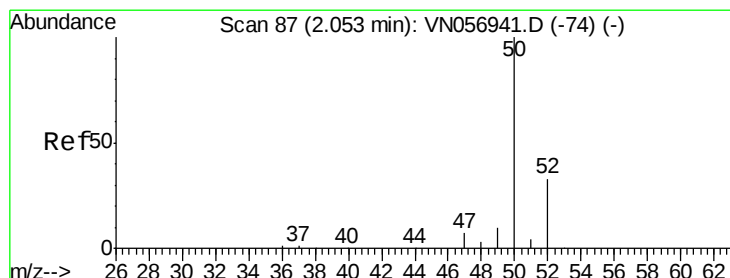
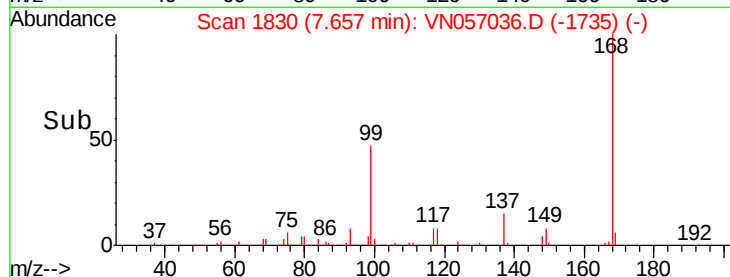
50000

0

7.60

7.70

Time-->



#3

Chloromethane

Concen: 0.315 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057036.D

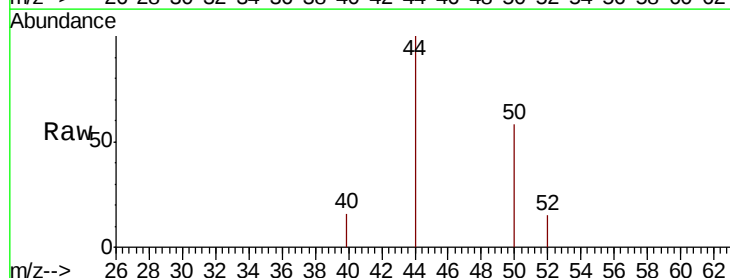
Acq: 1 Aug 2019 14:48

Tgt Ion: 50 Resp: 2119

Ion Ratio Lower Upper

50 100

52 25.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VN

2.05

1500

1000

500

0

2.02

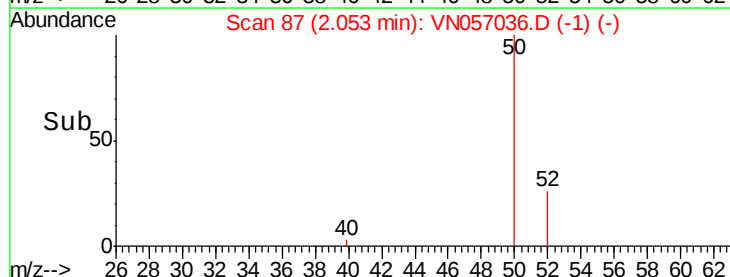
2.04

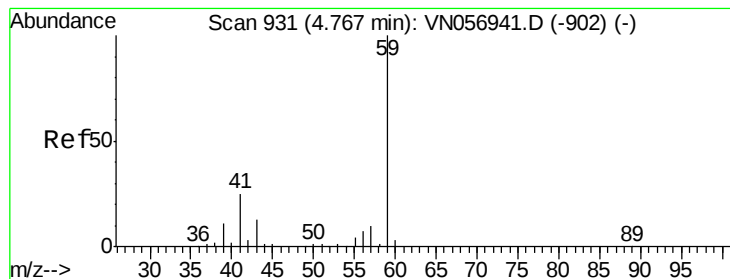
2.06

2.08

2.10

Time-->





#11

Tert butyl alcohol

Concen: 13.133 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.04 min

Lab File: VN057036.D

Acq: 1 Aug 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

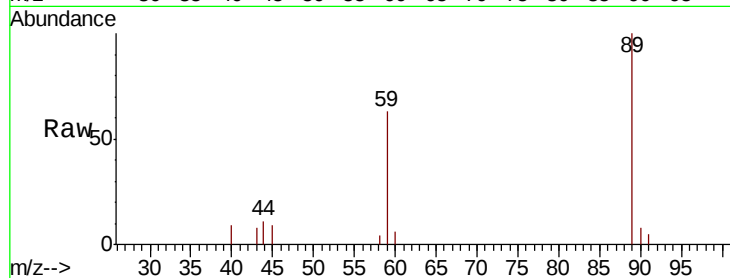
BP-VPB203-GW-478-480

Tot Ion: 59 Resp: 10102

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

3000

2500

2000

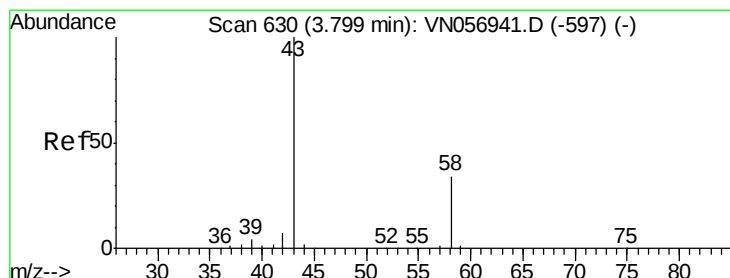
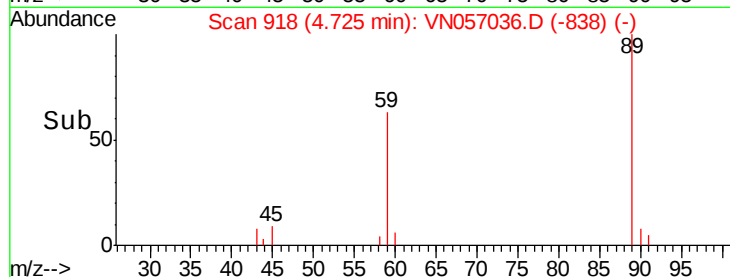
1500

1000

500

0

Time--> 4.60 4.70 4.80



#16

Acetone

Concen: 4.541 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057036.D

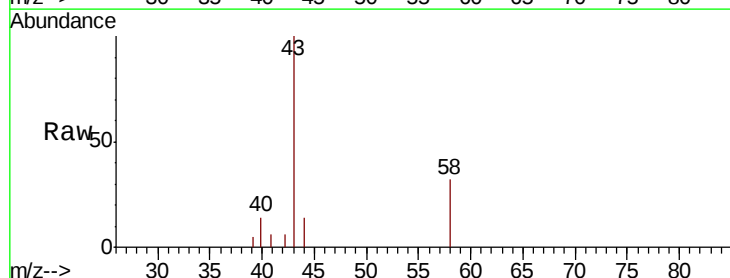
Acq: 1 Aug 2019 14:48

Tgt Ion: 43 Resp: 9362

Ion Ratio Lower Upper

43 100

58 32.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

4000

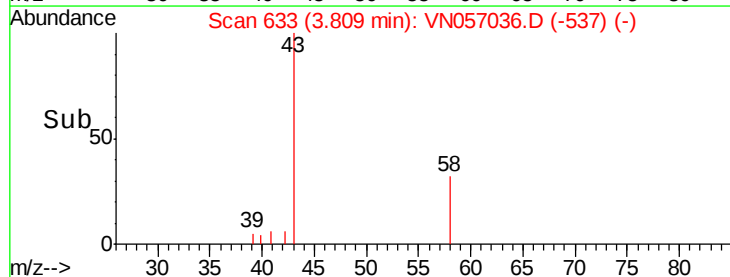
3000

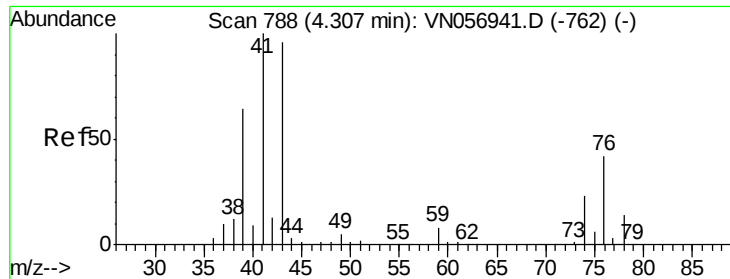
2000

1000

0

Time--> 3.75 3.80 3.85 3.90

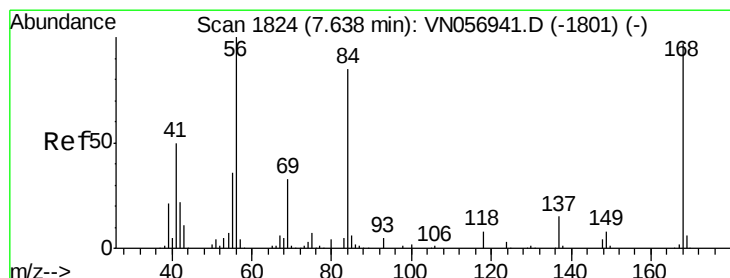
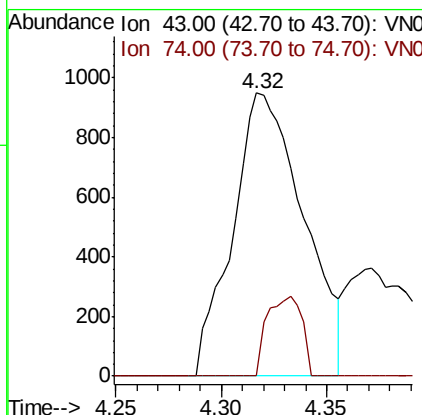
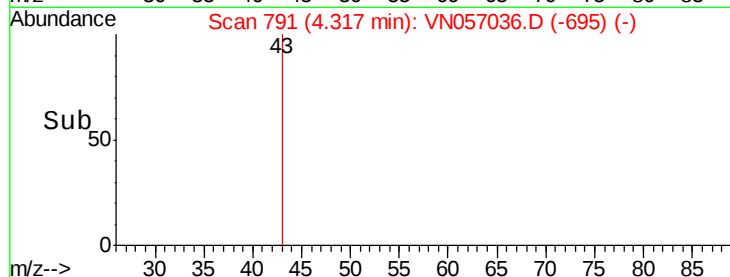
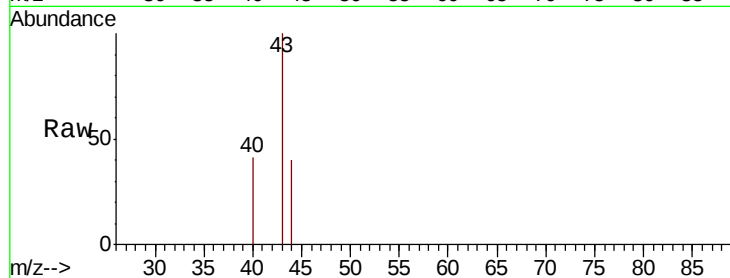




#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057036.D
Acq: 1 Aug 2019 14:48

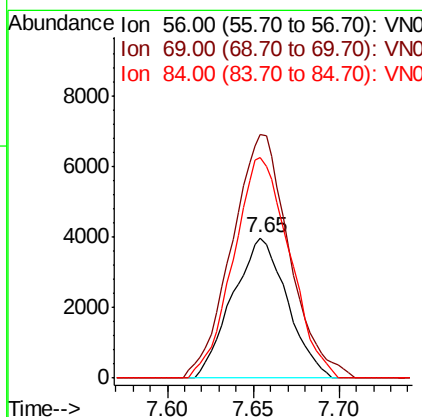
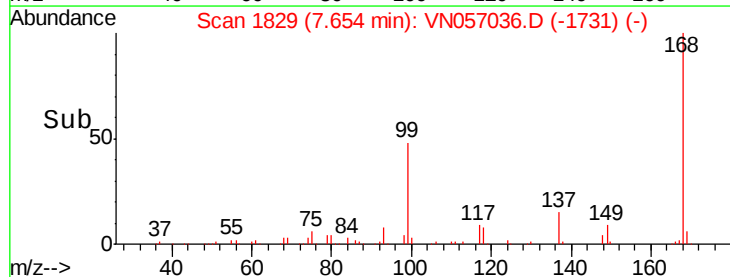
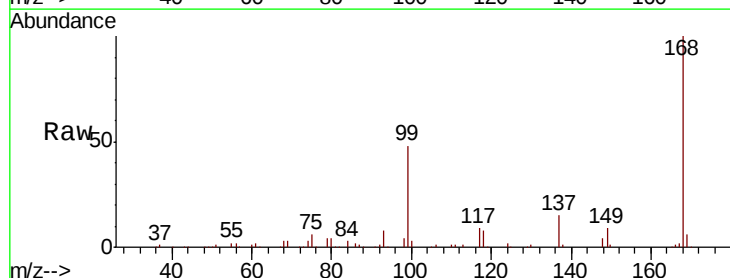
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-478-480

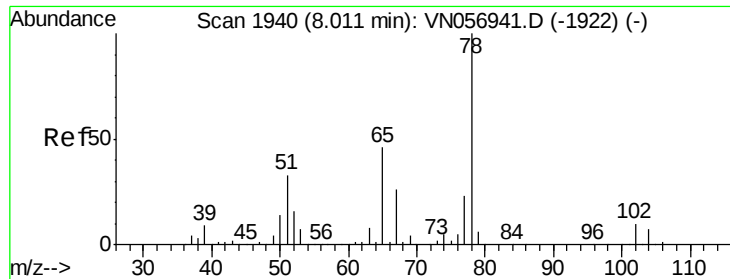
Tot Ion: 43 Resp: 2222
Ion Ratio Lower Upper
43 100
74 13.7 19.7 29.5#



#31
Cyclohexane
Concen: 0.935 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057036.D
Acq: 1 Aug 2019 14:48

Tgt Ion: 56 Resp: 8740
Ion Ratio Lower Upper
56 100
69 168.0 26.2 39.2#
84 157.1 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 57.668 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057036.D

Acq: 1 Aug 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

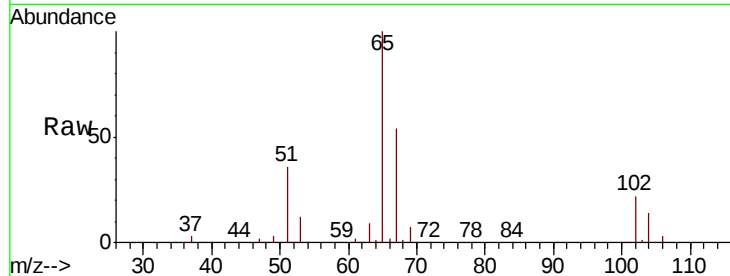
BP-VPB203-GW-478-480

Tot Ion: 65 Resp: 328181

Ion Ratio Lower Upper

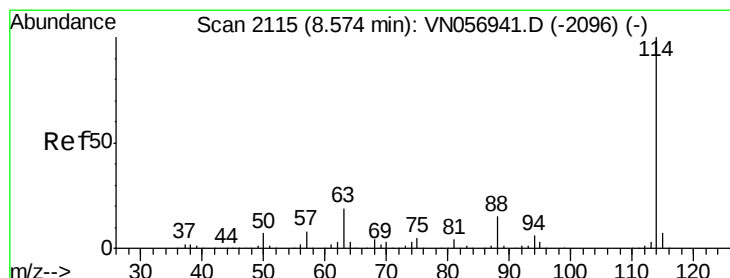
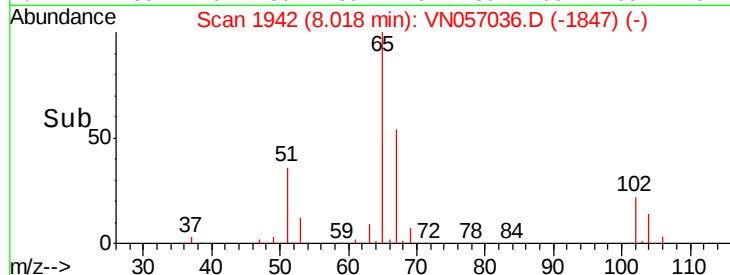
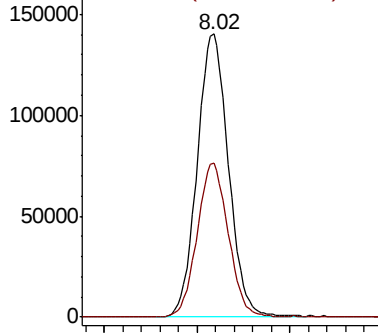
65 100

67 54.0 0.0 112.0



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: VN057036.D

Acq: 1 Aug 2019 14:48

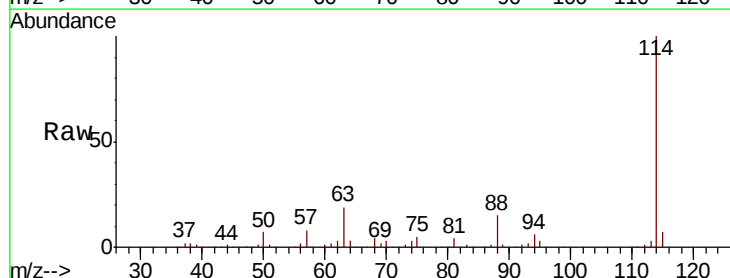
Tgt Ion: 114 Resp: 800377

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.0

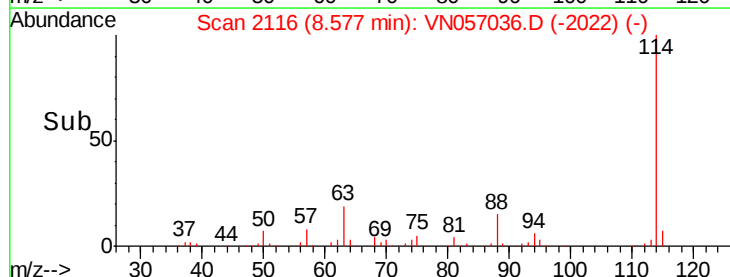
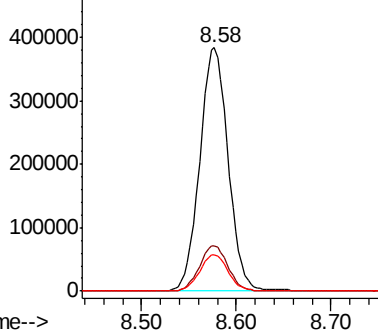
88 15.2 0.0 30.0

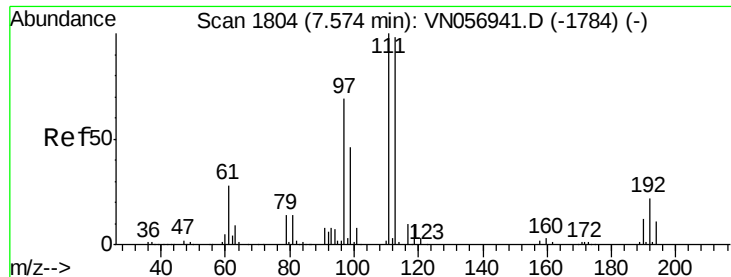


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

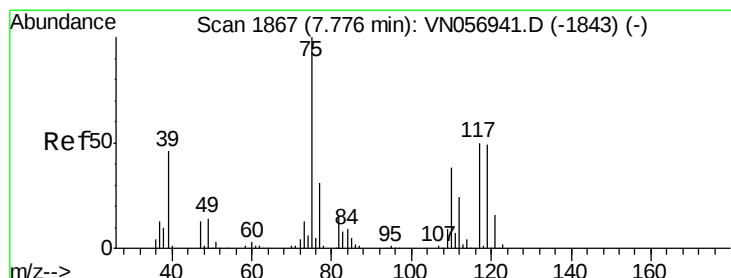
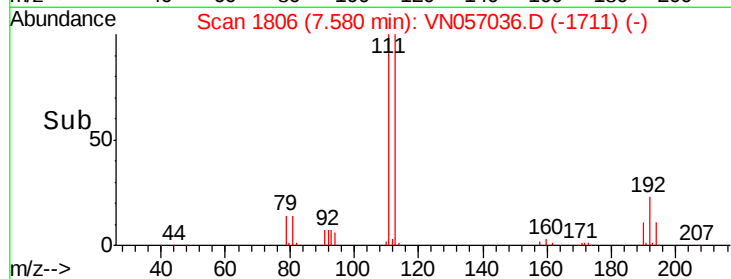
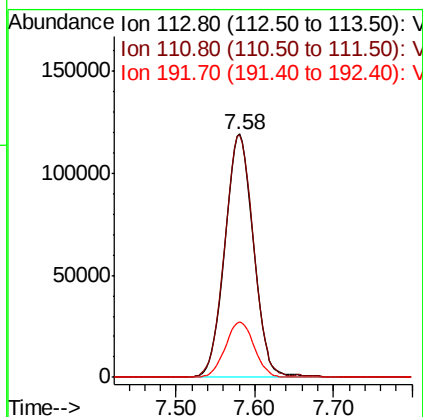
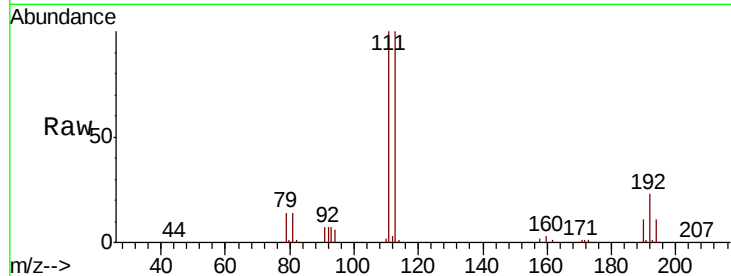




#35
 Dibromofluoromethane
 Concen: 58.347 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

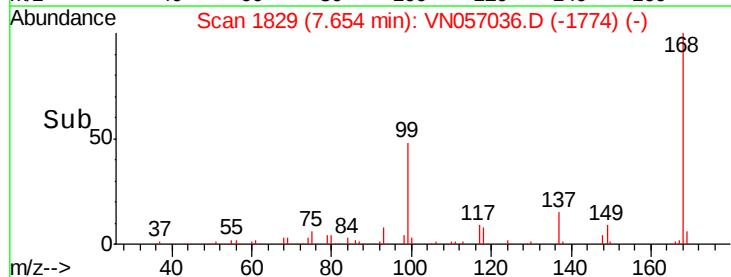
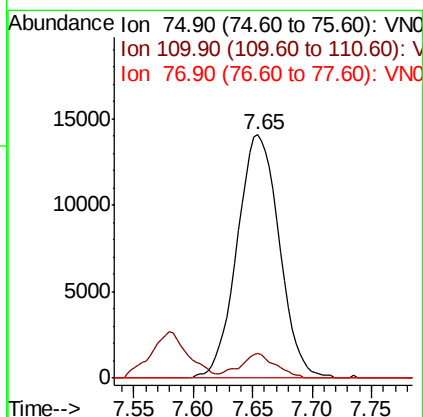
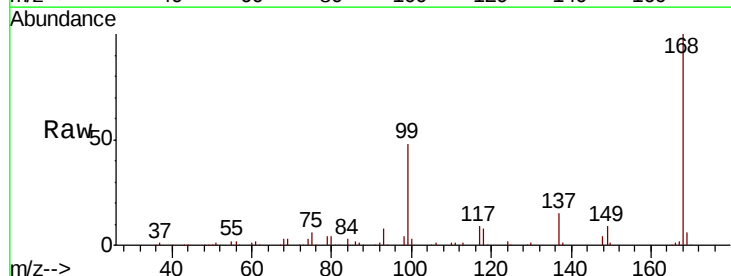
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-478-480

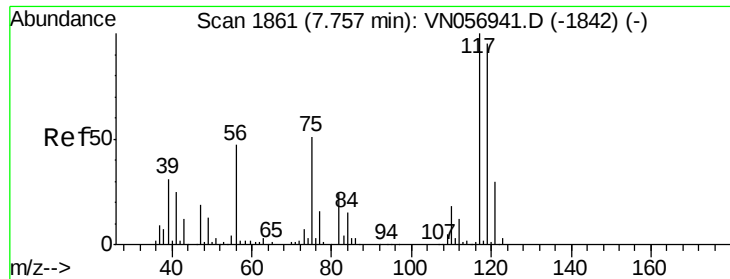
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.0	123.0
192	23.0	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.6	55.8#
77	0.0	25.2	37.8#

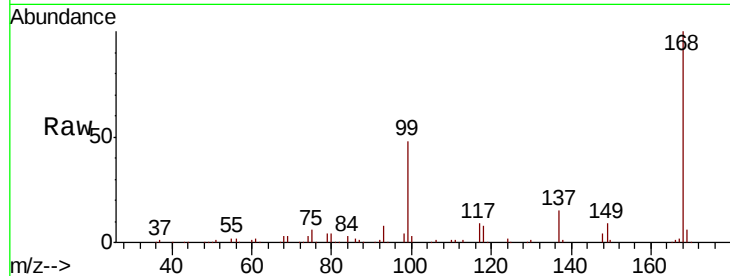




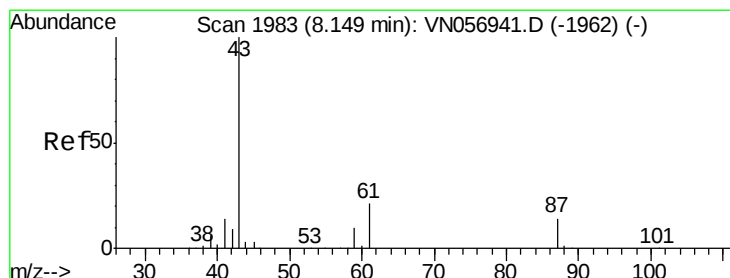
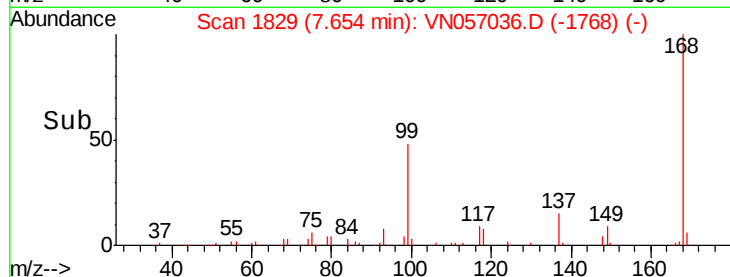
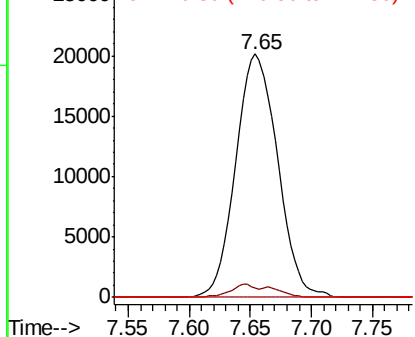
#38
 Carbon Tetrachloride
 Concen: 7.182 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-478-480

Tot Ion:117 Resp: 47848
 Ion Ratio Lower Upper
 117 100
 119 3.7 75.3 112.9#
 121 0.0 24.2 36.4#

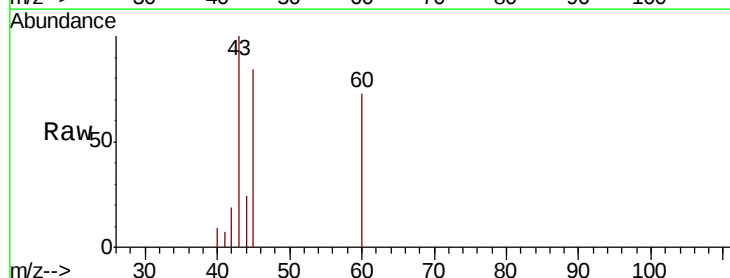


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

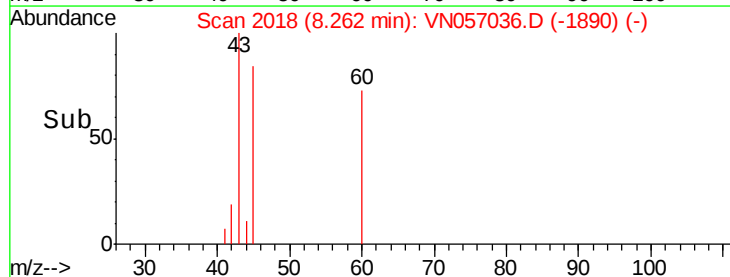
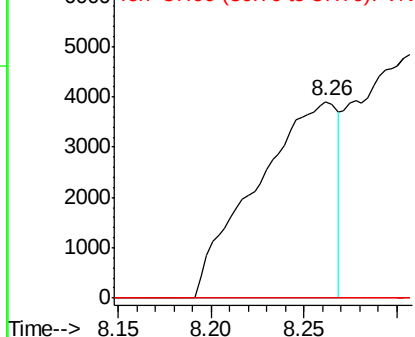


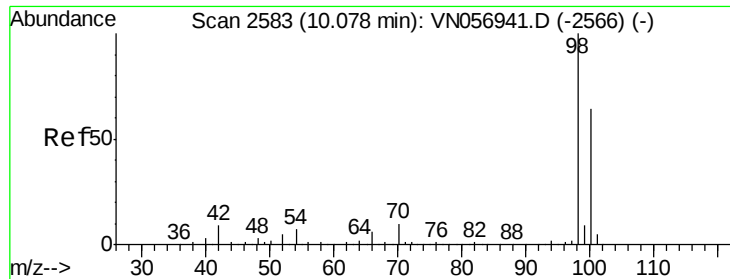
#43
 Isopropyl Acetate
 Concen: 1.268 ug/l
 RT: 8.26 min Scan# 2018
 Delta R.T. 0.11 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

Tgt Ion: 43 Resp: 11821
 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): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 57.018 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057036.D

Acq: 1 Aug 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

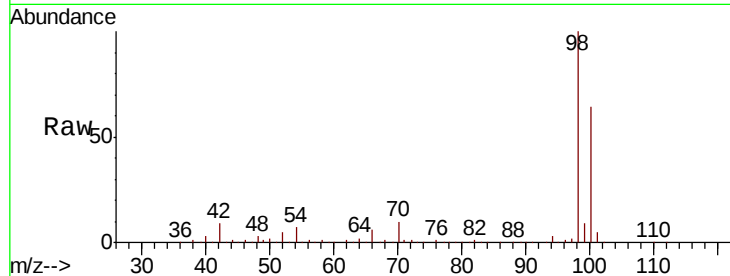
BP-VPB203-GW-478-480

Tot Ion: 98 Resp: 1114091

Ion Ratio Lower Upper

98 100

100 64.4 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

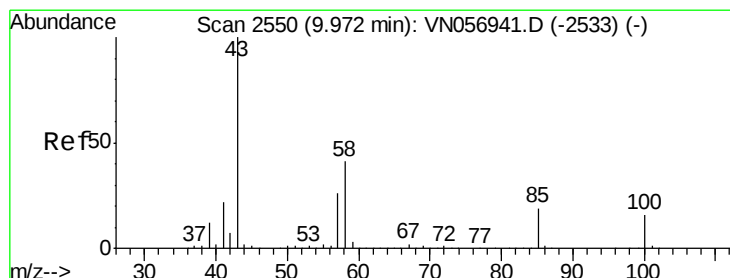
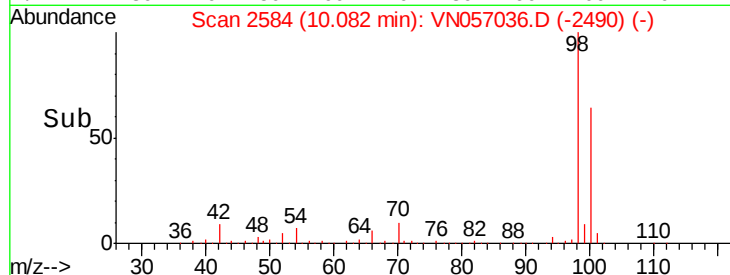
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.210 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN057036.D

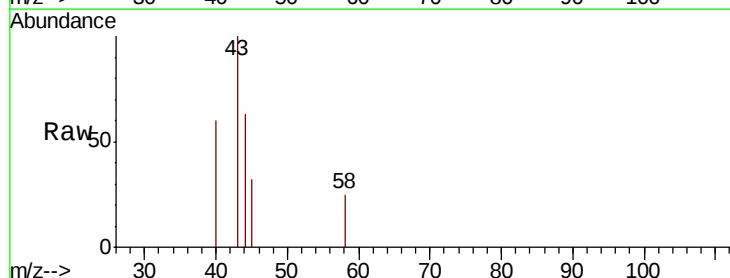
Acq: 1 Aug 2019 14:48

Tgt Ion: 43 Resp: 1163

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.97

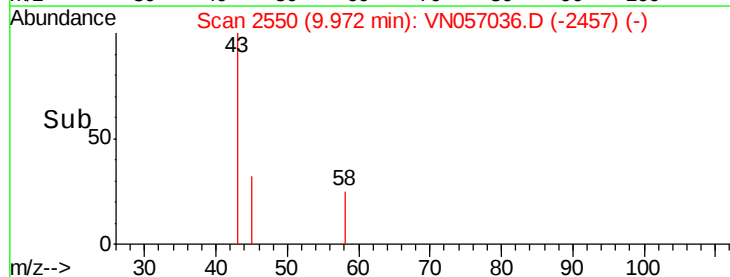
600

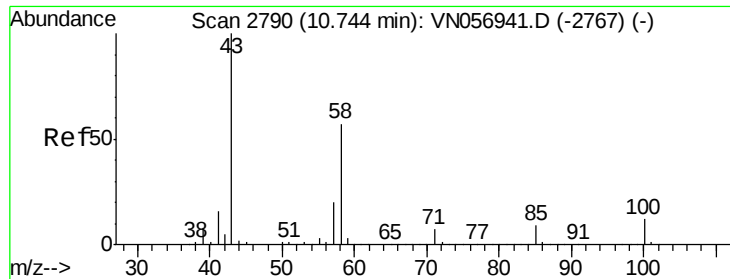
400

200

0

Time-->

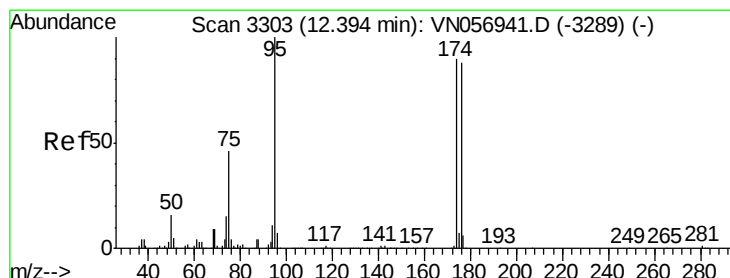
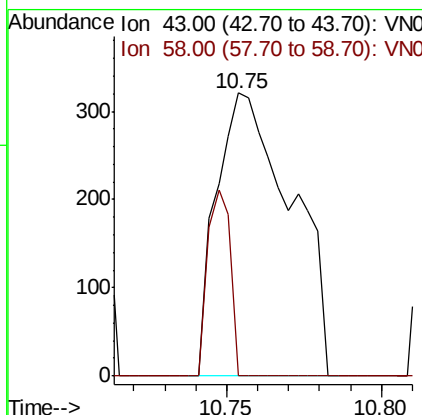
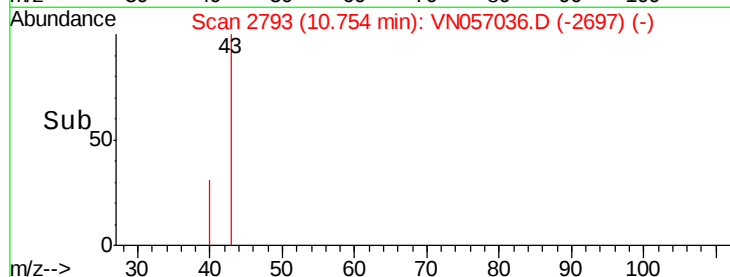
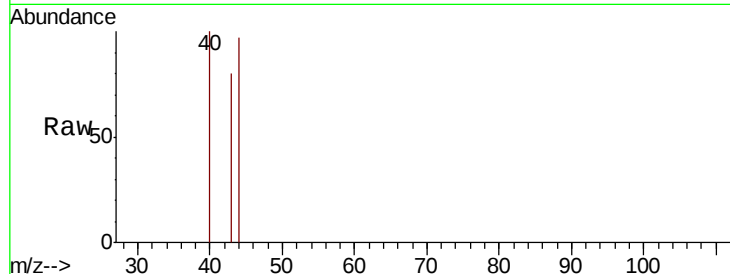




#59
 2-Hexanone
 Concen: 2.625 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

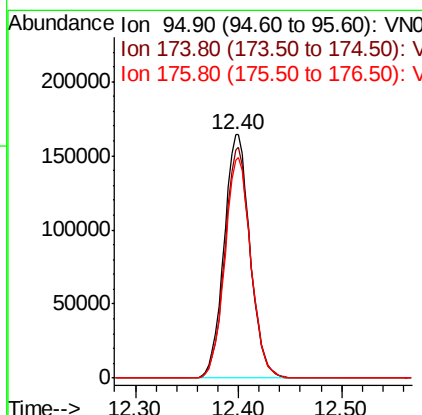
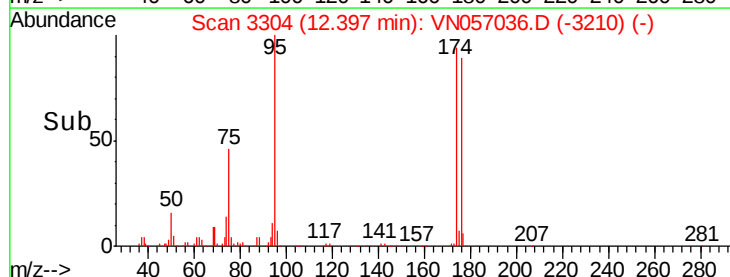
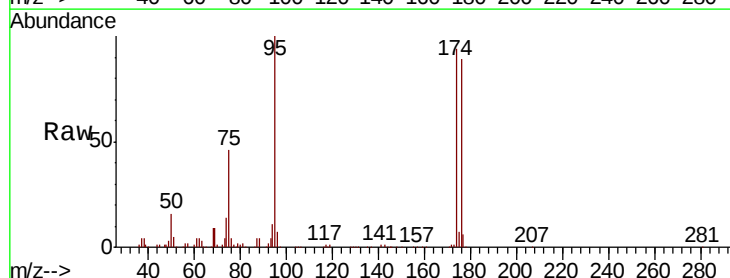
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-478-480

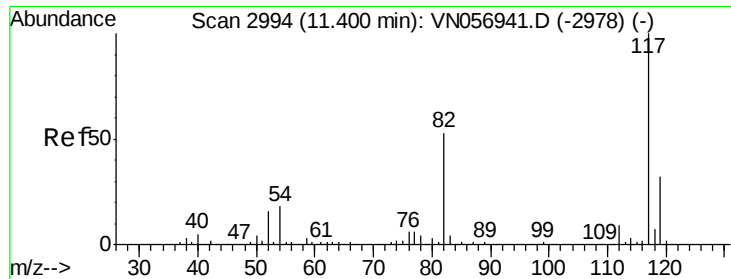
Tot Ion: 43 Resp: 538
 Ion Ratio Lower Upper
 43 100
 58 20.1 28.5 85.5#



#62
 4-Bromofluorobenzene
 Concen: 45.237 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

Tgt Ion: 95 Resp: 287747
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 182.2
 176 90.6 0.0 179.4

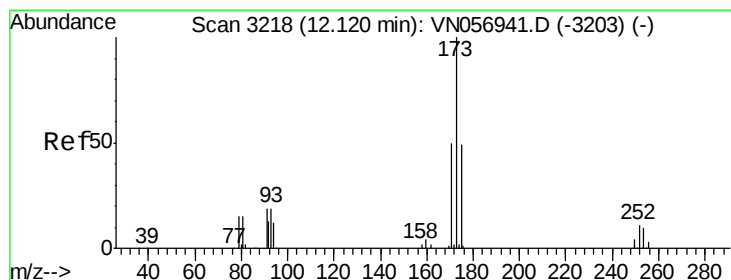
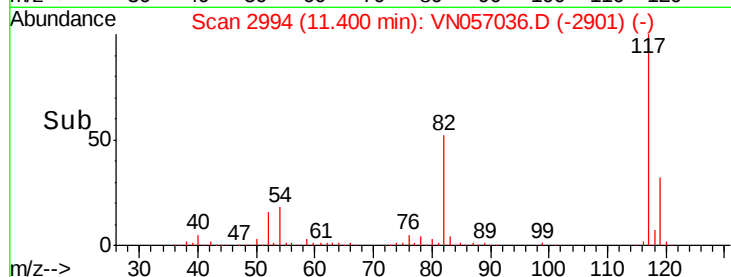
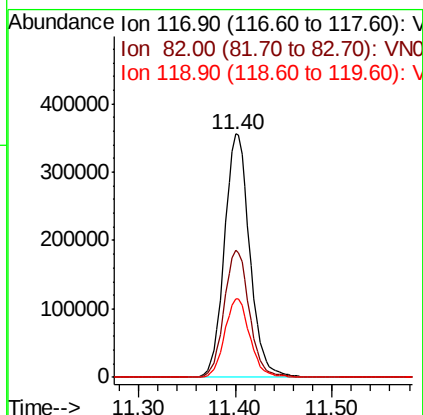
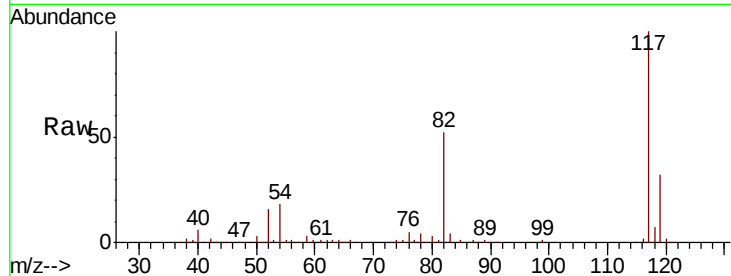




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057036.D
Acq: 1 Aug 2019 14:48

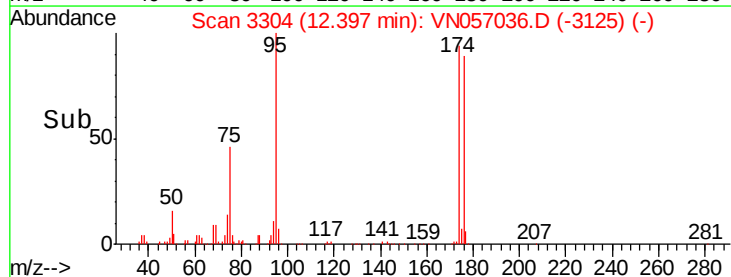
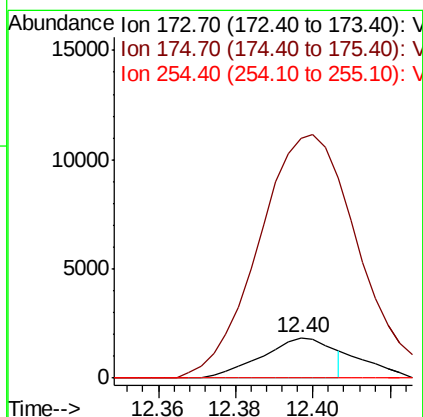
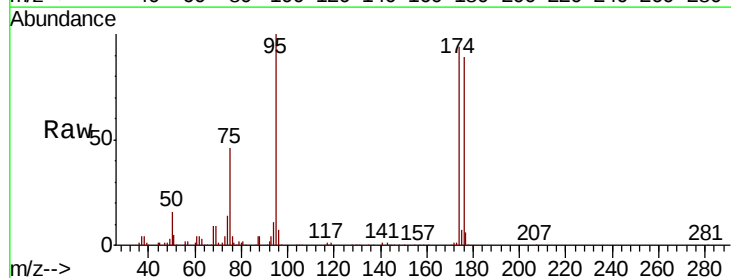
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-478-480

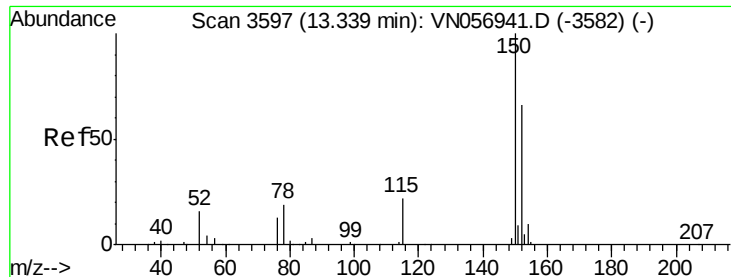
Tot Ion:117 Resp: 645740
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.4
119 32.1 25.8 38.6



#71
Bromoform
Concen: 0.682 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN057036.D
Acq: 1 Aug 2019 14:48

Tgt Ion:173 Resp: 2357
Ion Ratio Lower Upper
173 100
175 657.6 24.1 72.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057036.D

Acq: 1 Aug 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-478-480

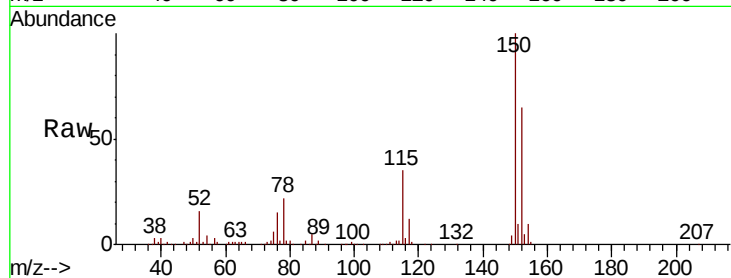
Tot Ion:152 Resp: 172614

Ion Ratio Lower Upper

152 100

115 53.7 28.2 84.6

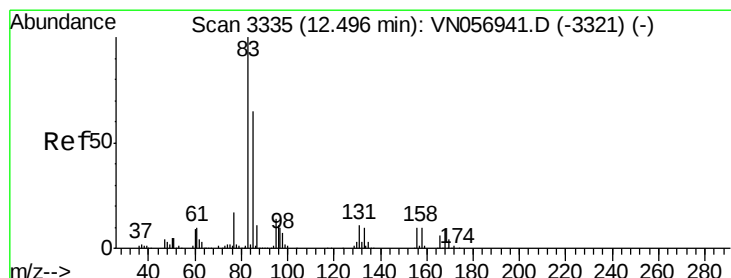
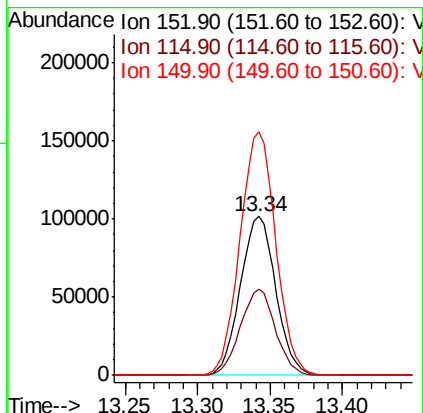
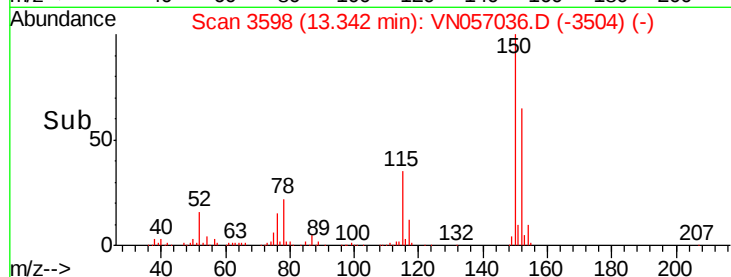
150 155.1 0.0 349.4



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: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN057036.D

Acq: 1 Aug 2019 14:48

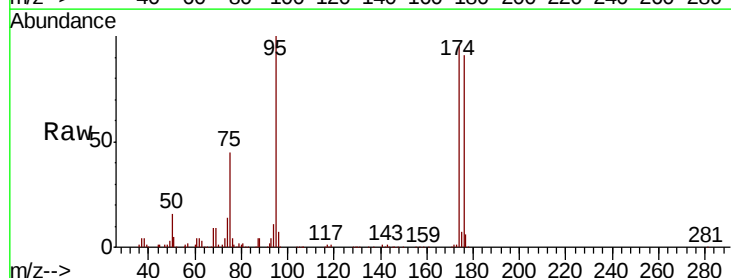
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 683.3 5.3 16.1#

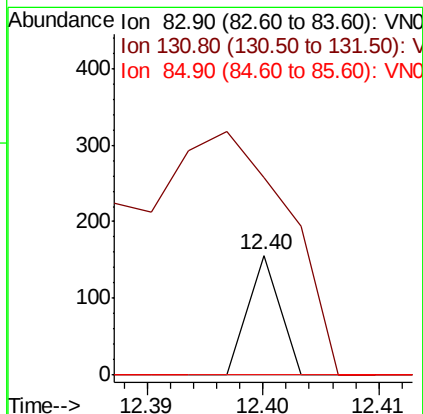
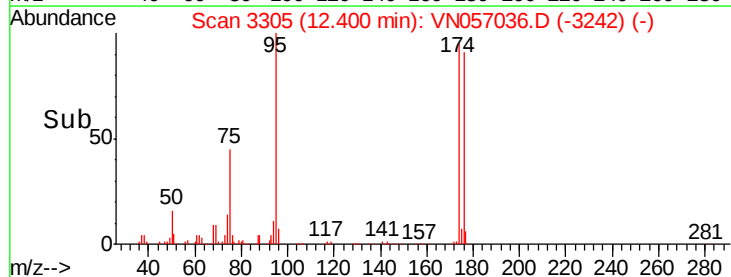
85 0.0 32.5 97.4#

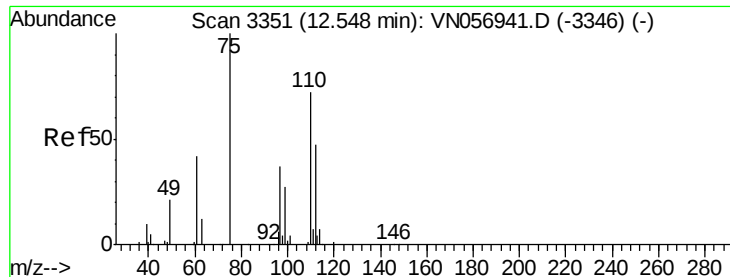


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.406 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057036.D

Acq: 1 Aug 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

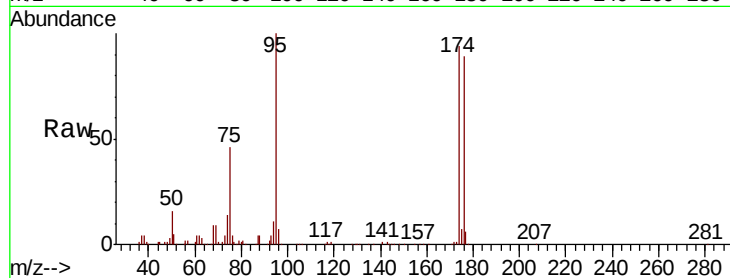
BP-VPB203-GW-478-480

Tot Ion: 75 Resp: 131128

Ion Ratio Lower Upper

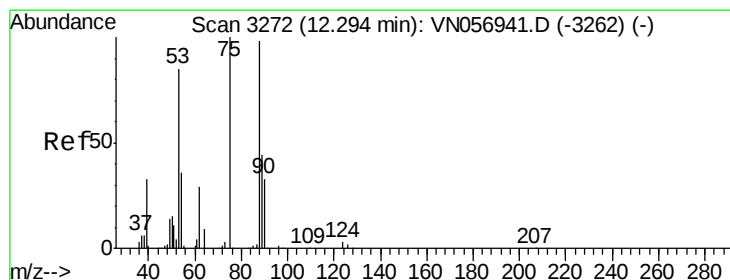
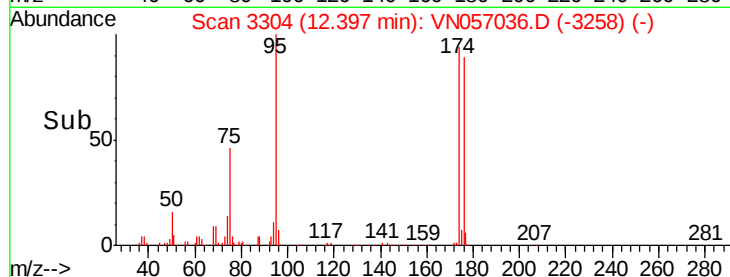
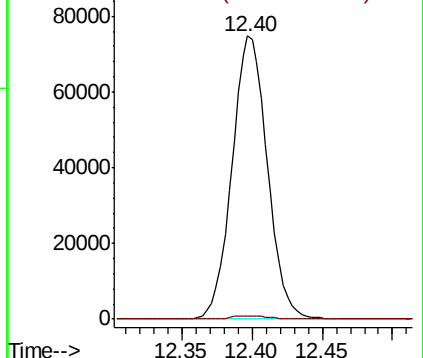
75 100

77 1.2 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: 120.185 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057036.D

Acq: 1 Aug 2019 14:48

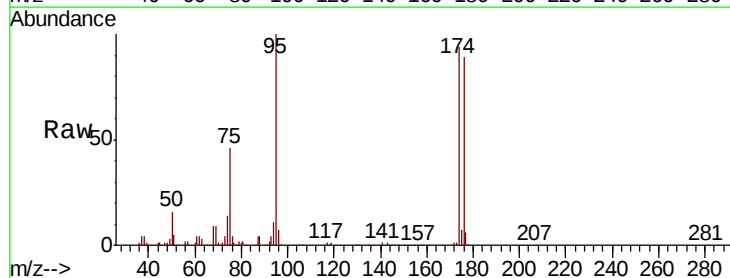
Tgt Ion: 75 Resp: 131128

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

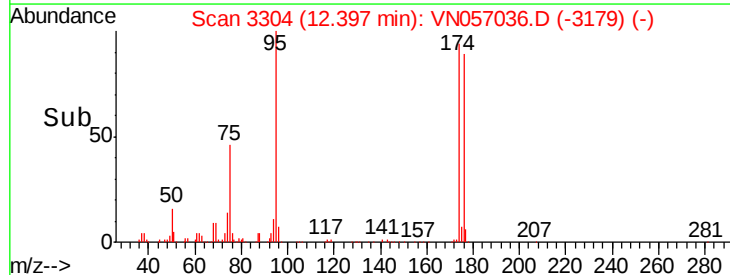
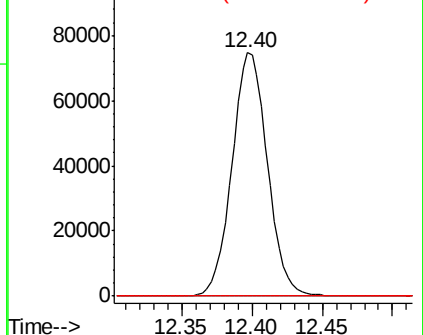
89 0.0 35.8 53.6#

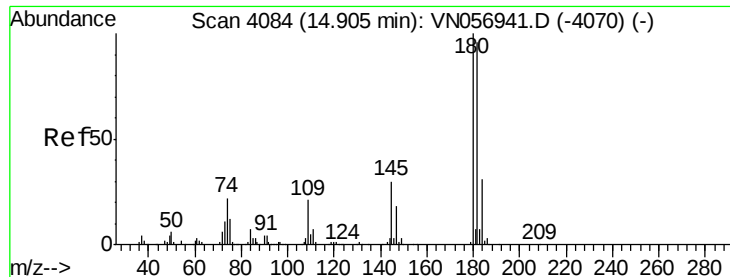


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

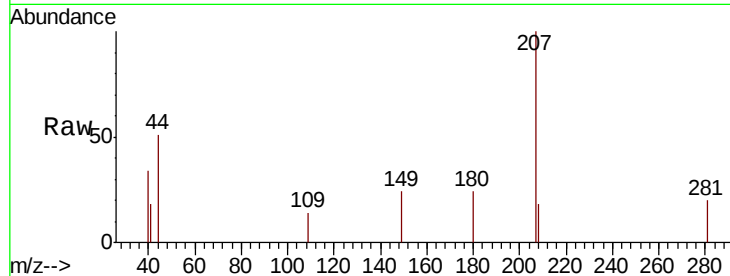




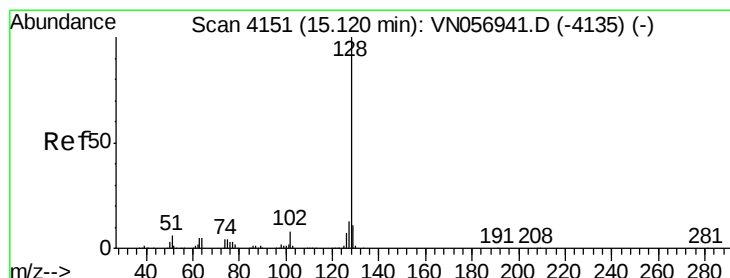
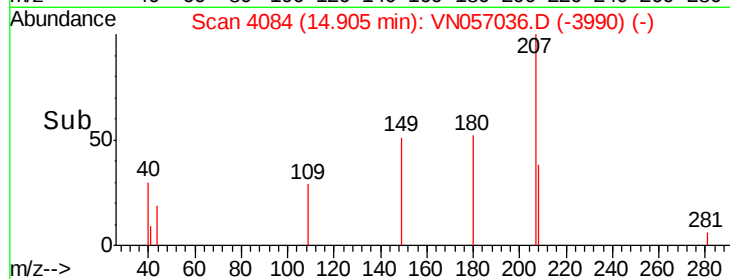
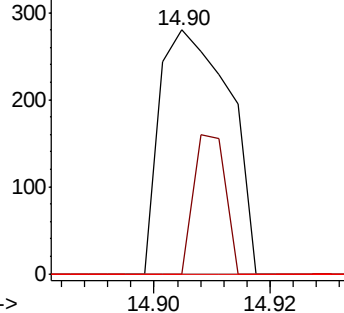
#93
 1,2,4-Trichlorobenzene
 Concen: 2.785 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-478-480

Tot Ion:180 Resp: 232
 Ion Ratio Lower Upper
 180 100
 182 26.3 47.6 142.8#
 145 0.0 14.2 42.8#

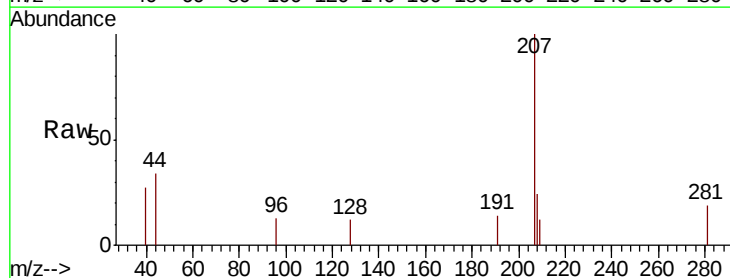


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

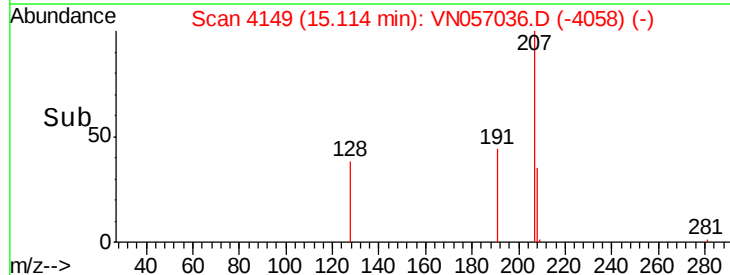
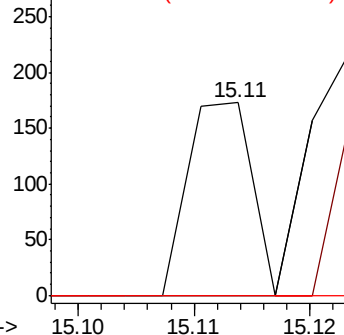


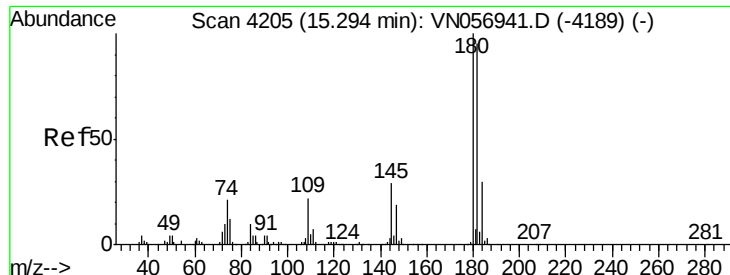
#95
 Naphthalene
 Concen: 3.596 ug/l
 RT: 15.11 min Scan# 4149
 Delta R.T. -0.01 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

Tgt Ion:128 Resp: 66
 Ion Ratio Lower Upper
 128 100
 127 45.5 10.0 15.0#
 129 0.0 8.7 13.1#



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: 2.113 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057036.D
 Acq: 1 Aug 2019 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-478-480

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.0	144.2#
145	0.0	15.0	45.0#

