

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057037.D
 Acq On : 1 Aug 2019 15:11
 Operator : JC/SP
 Sample : K4097-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-518-520

Quant Time: Aug 02 05:14:10 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	574211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	831367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	680579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185543	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	322497	54.87	ug/l	0.00
Spiked Amount						
			Recovery	=	109.74%	
35) Dibromofluoromethane	7.58	113	294308	55.30	ug/l	0.00
Spiked Amount						
			Recovery	=	110.60%	
50) Toluene-d8	10.08	98	1101825	54.29	ug/l	0.00
Spiked Amount						
			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.40	95	289149	43.76	ug/l	0.00
Spiked Amount						
			Recovery	=	87.52%	

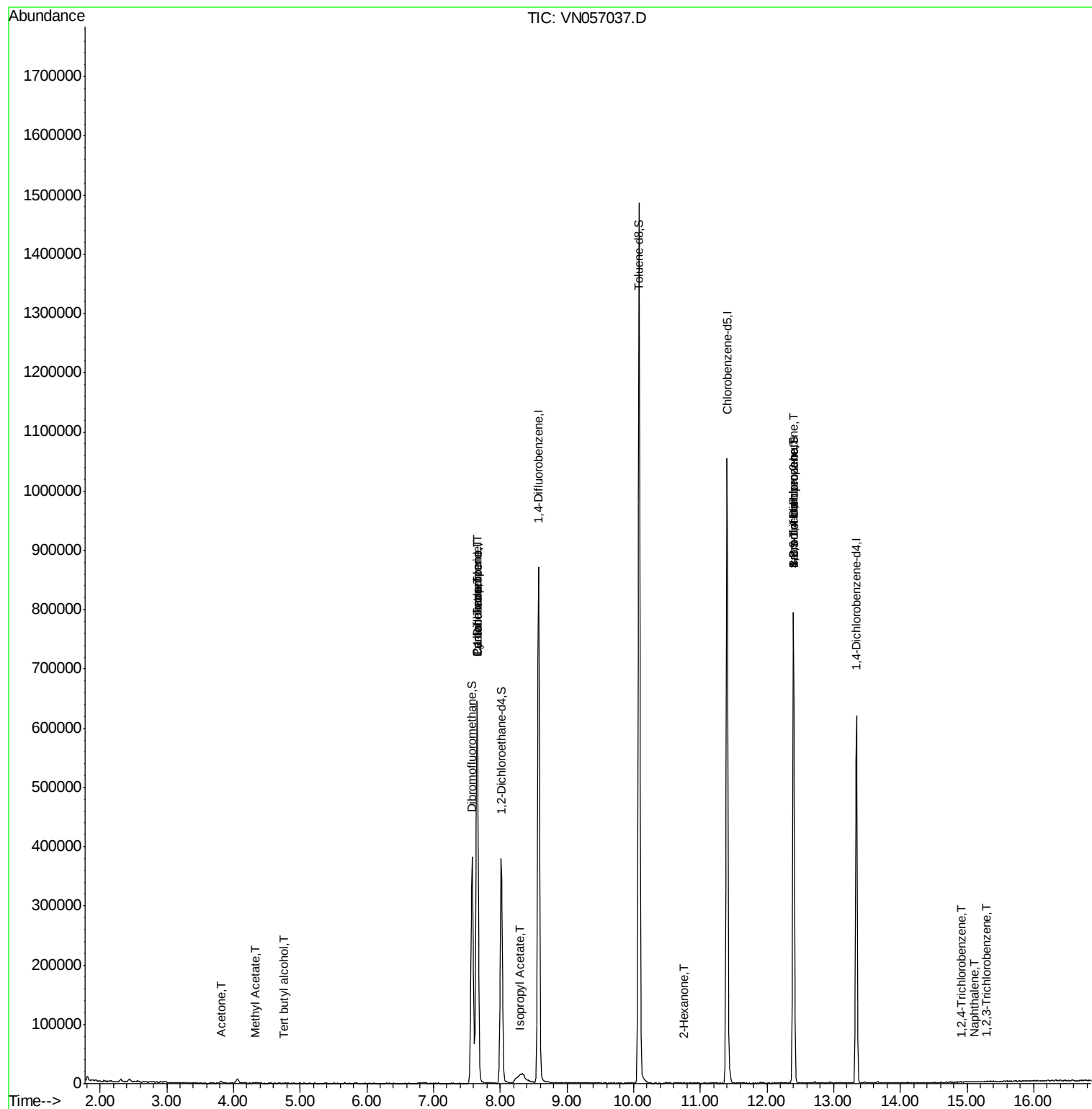
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	175	0.220	ug/l #	74
16) Acetone	3.82	43	6475	3.041	ug/l	94
18) Methyl Acetate	4.32	43	3166	0.466	ug/l #	81
31) Cyclohexane	7.66	56	8680	0.899	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34900	4.771	ug/l #	48
38) Carbon Tetrachloride	7.65	117	49350	7.132	ug/l #	17
43) Isopropyl Acetate	8.29	43	18855	1.947	ug/l #	52
59) 2-Hexanone	10.75	43	182	2.540	ug/l #	23
71) Bromoform	12.40	173	2512	0.689	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	96	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	131932	35.013	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131932	112.496	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	131	2.750	ug/l #	56
95) Naphthalene	15.12	128	262	3.619	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	166	2.099	ug/l #	65

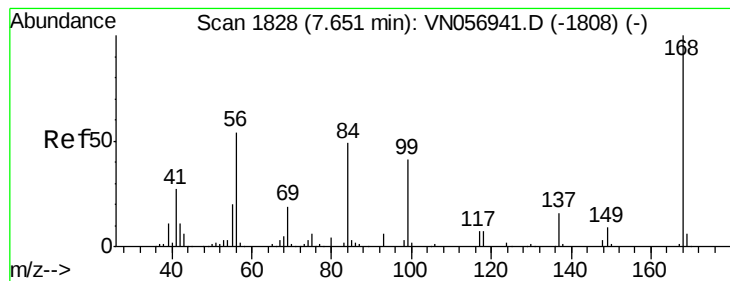
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057037.D
Acq On : 1 Aug 2019 15:11
Operator : JC/SP
Sample : K4097-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-518-520

Quant Time: Aug 02 05:14:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
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: VN057037.D

Acq: 1 Aug 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

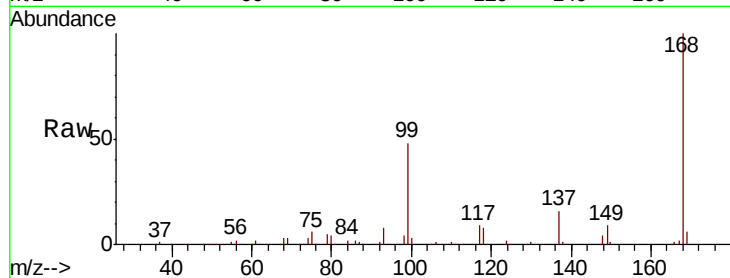
BP-VPB203-GW-518-520

Tot Ion:168 Resp: 574211

Ion Ratio Lower Upper

168 100

99 48.0 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.65

250000

200000

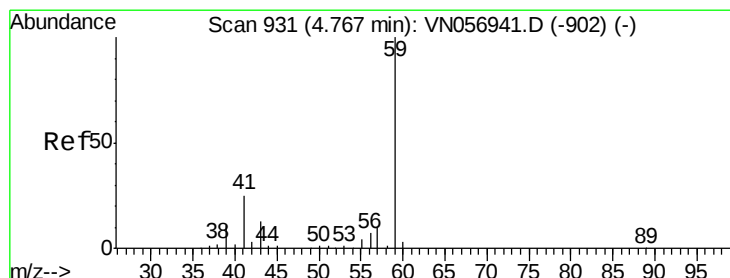
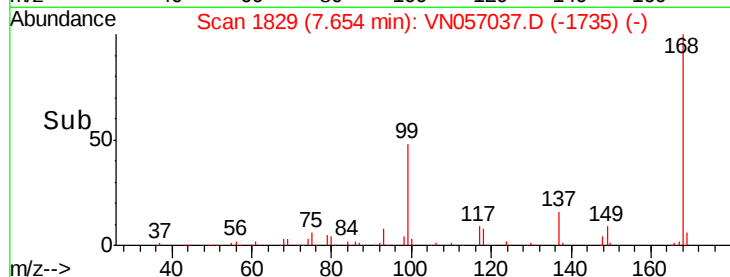
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.220 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.01 min

Lab File: VN057037.D

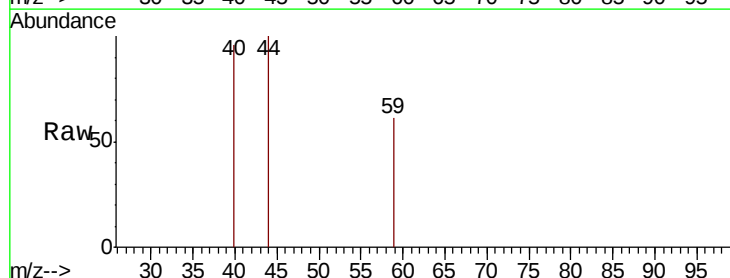
Acq: 1 Aug 2019 15:11

Tgt Ion: 59 Resp: 175

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VN056941.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN056941.D (-902) (-)

4.76

200

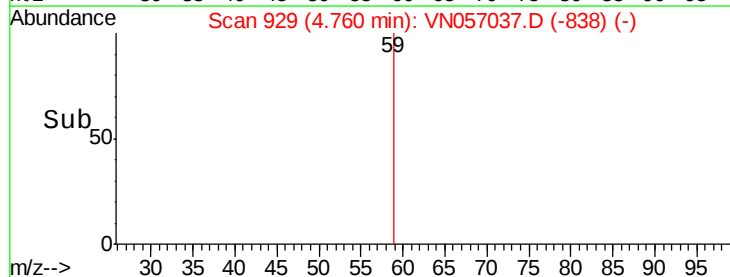
150

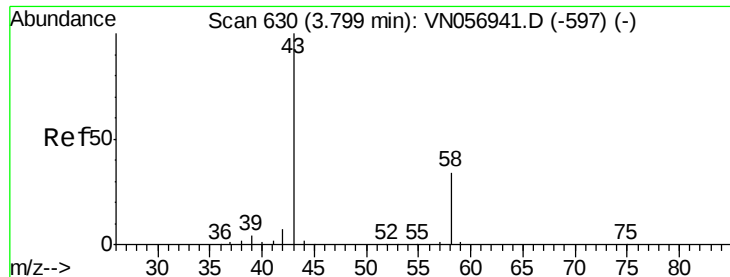
100

50

0

Time-->





#16

Acetone

Concen: 3.041 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN057037.D

Acq: 1 Aug 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

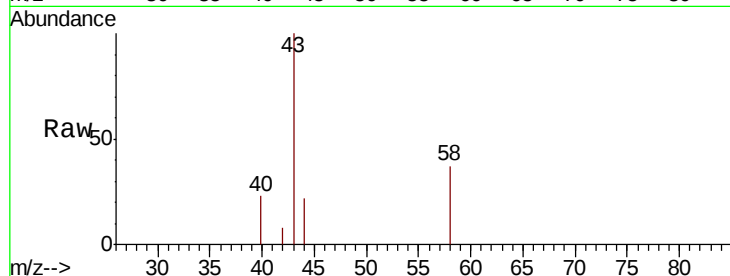
BP-VPB203-GW-518-520

Tot Ion: 43 Resp: 6475

Ion Ratio Lower Upper

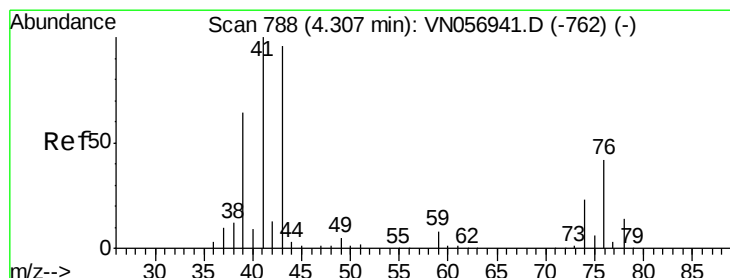
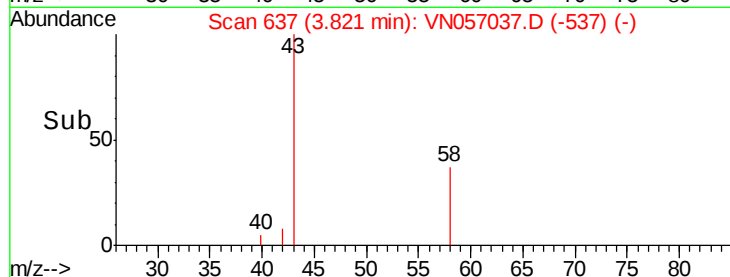
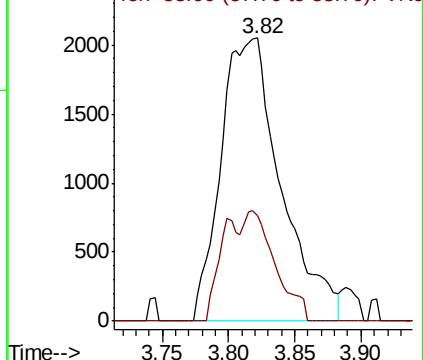
43 100

58 37.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-597) (-)



#18

Methyl Acetate

Concen: 0.466 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.02 min

Lab File: VN057037.D

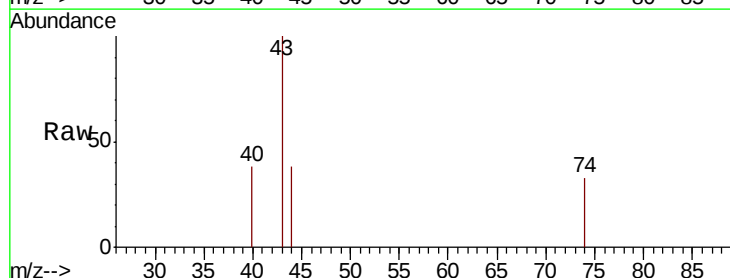
Acq: 1 Aug 2019 15:11

Tgt Ion: 43 Resp: 3166

Ion Ratio Lower Upper

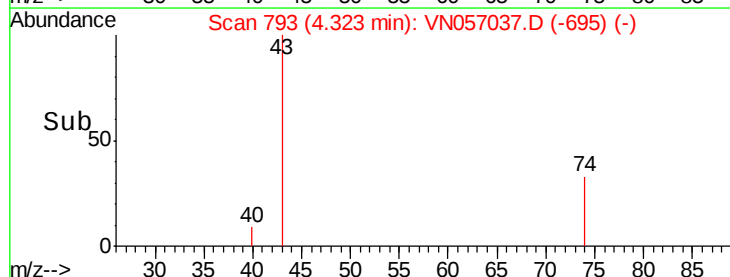
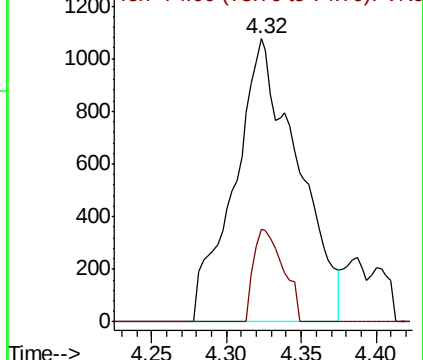
43 100

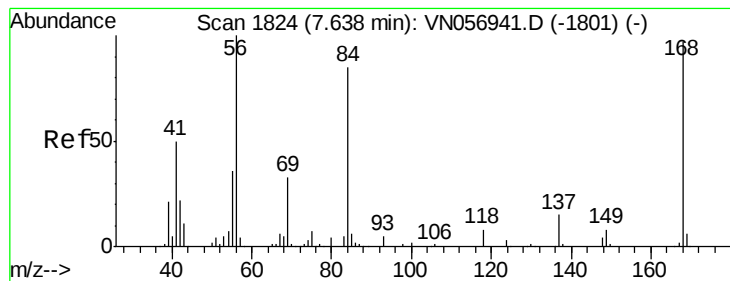
74 15.2 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN056941.D (-762) (-)





#31

Cyclohexane

Concen: 0.899 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.02 min

Lab File: VN057037.D

Acq: 1 Aug 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-518-520

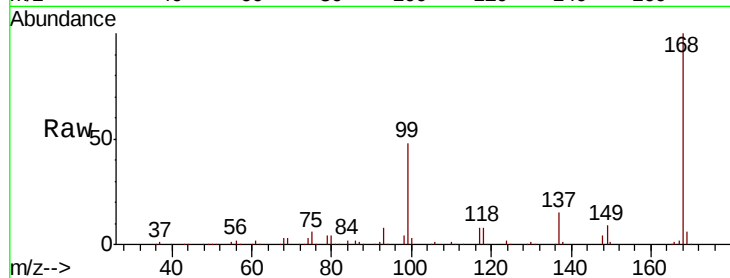
Tot Ion: 56 Resp: 8680

Ion Ratio Lower Upper

56 100

69 192.9 26.2 39.2#

84 149.8 68.2 102.2#

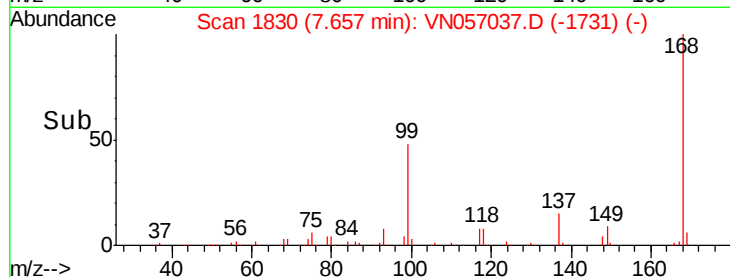


Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN056941.D (-1801) (-)

Time-->

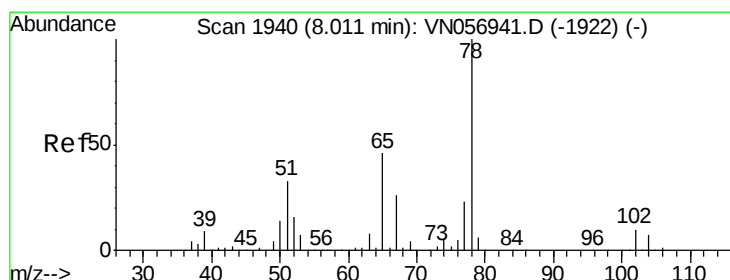


Abundance Ion 56.00 (55.70 to 56.70): VN057037.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN057037.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN057037.D (-1731) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.866 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057037.D

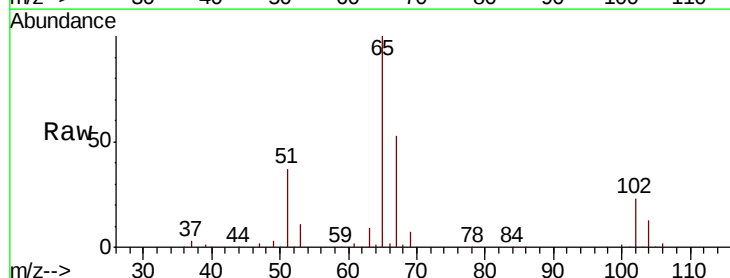
Acq: 1 Aug 2019 15:11

Tgt Ion: 65 Resp: 322497

Ion Ratio Lower Upper

65 100

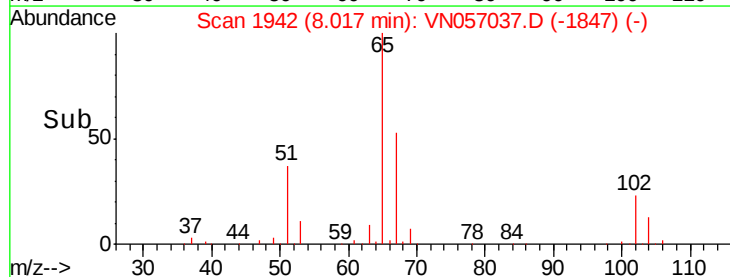
67 54.3 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN056941.D (-1922) (-)

Ion 66.90 (66.60 to 67.60): VN056941.D (-1922) (-)

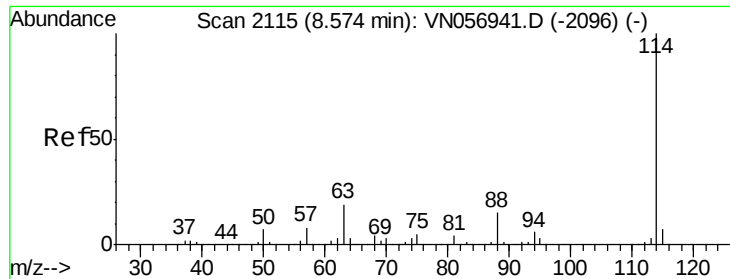
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN057037.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN057037.D (-1847) (-)

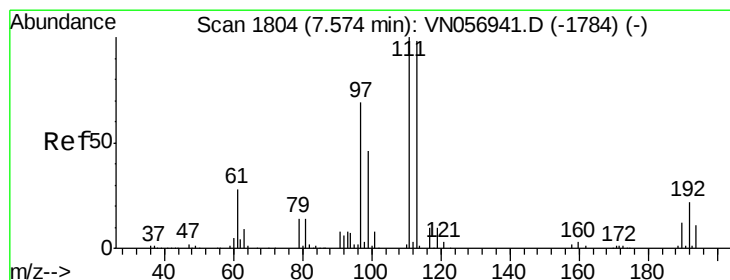
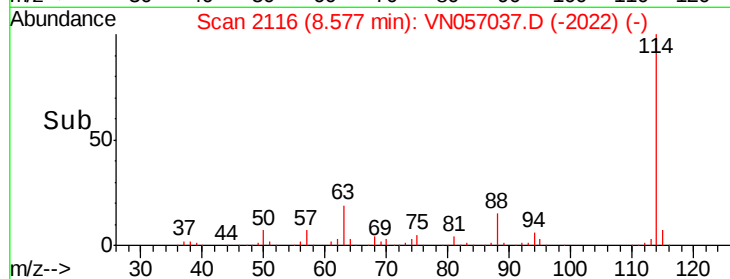
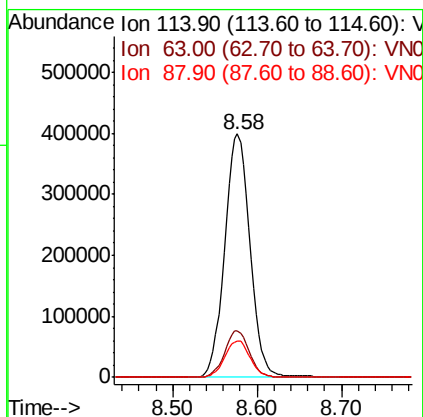
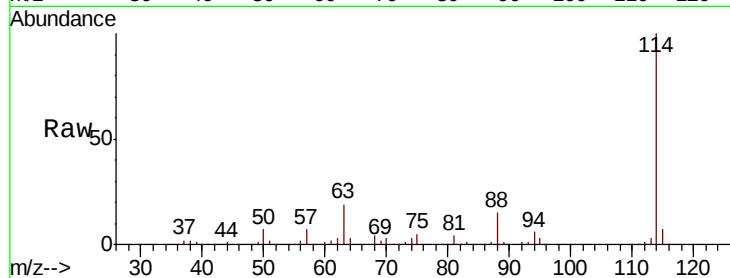
Time-->



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN057037.D
Acq: 1 Aug 2019 15:11

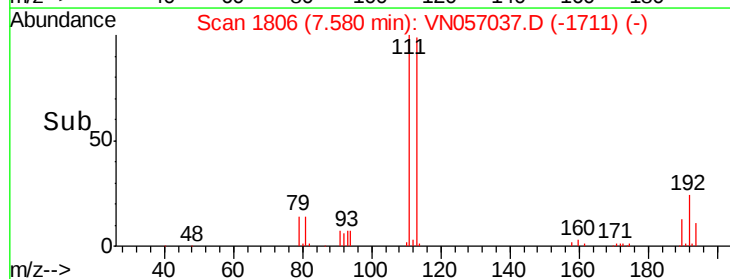
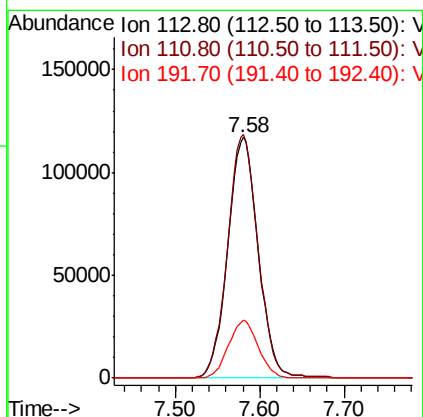
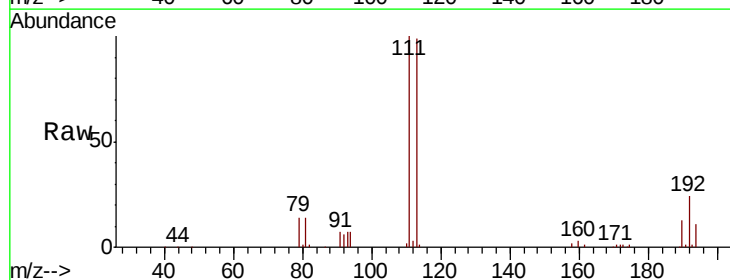
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-518-520

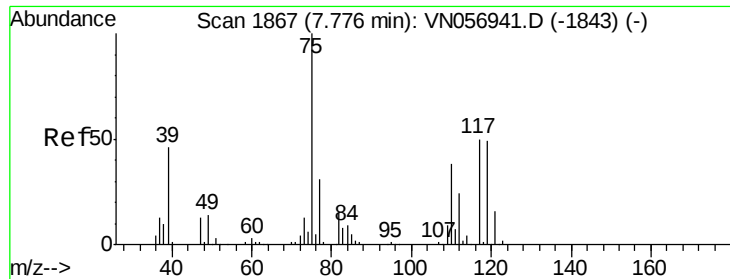
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.0
88	15.0	0.0	30.0



#35
Dibromofluoromethane
Concen: 55.299 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. 0.01 min
Lab File: VN057037.D
Acq: 1 Aug 2019 15:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.0	123.0
192	23.5	18.4	27.6

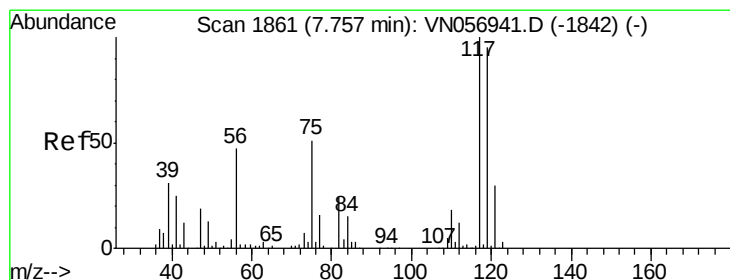
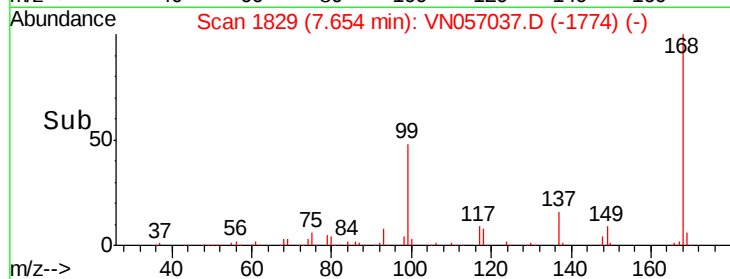
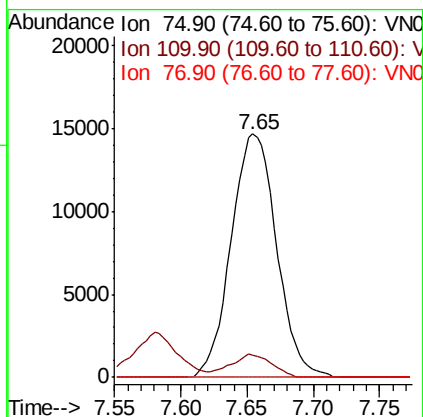
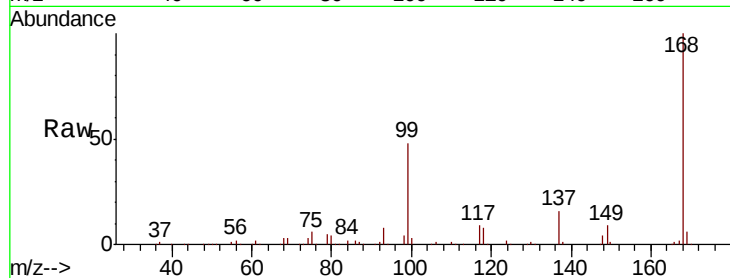




#36
 1,1-Dichloropropene
 Concen: 4.771 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057037.D
 Acq: 1 Aug 2019 15:11

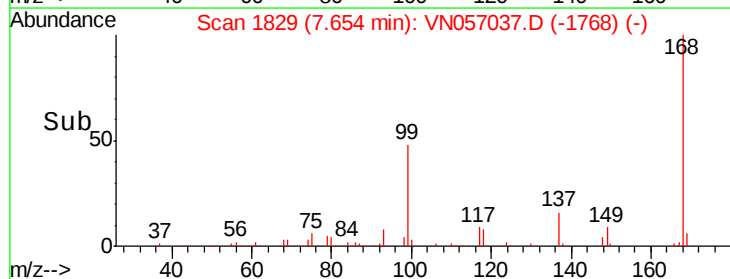
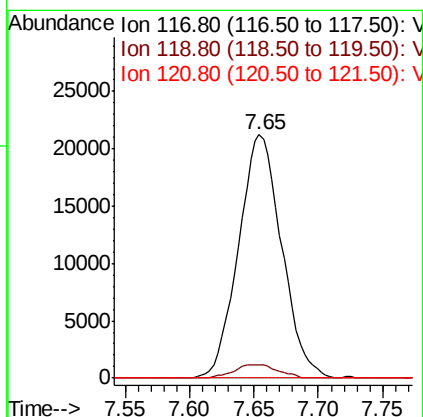
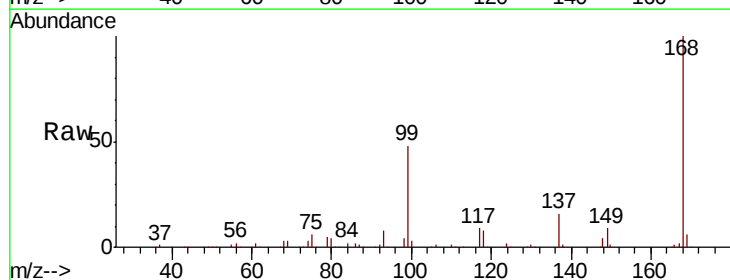
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-518-520

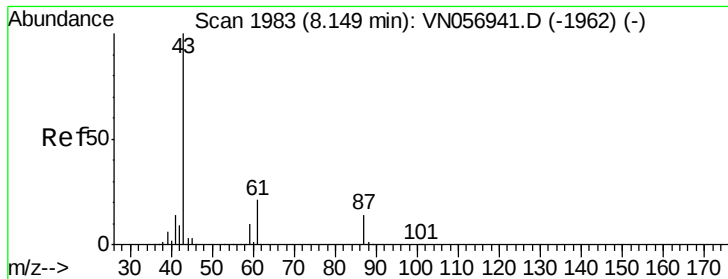
Tot Ion	75	Resp	34900
Ion Ratio	Lower	Upper	
75	100		
110	8.6	18.6	55.8#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 7.132 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057037.D
 Acq: 1 Aug 2019 15:11

Tgt Ion	117	Resp	49350
Ion Ratio	Lower	Upper	
117	100		
119	5.3	75.3	112.9#
121	0.0	24.2	36.4#





#43

Isopropyl Acetate

Concen: 1.947 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.14 min

Lab File: VN057037.D

Acq: 1 Aug 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-518-520

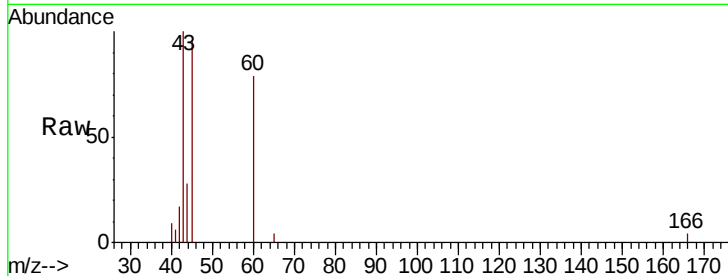
Tot Ion: 43 Resp: 18855

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

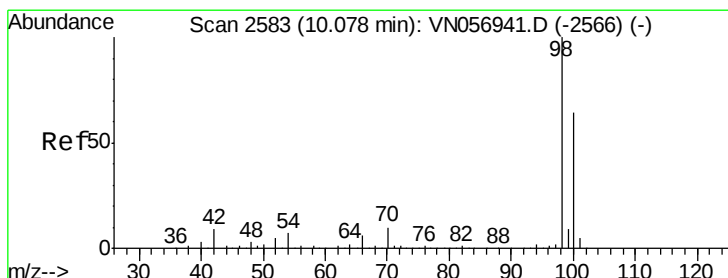
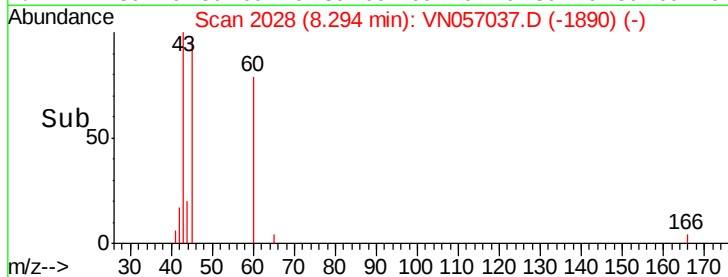
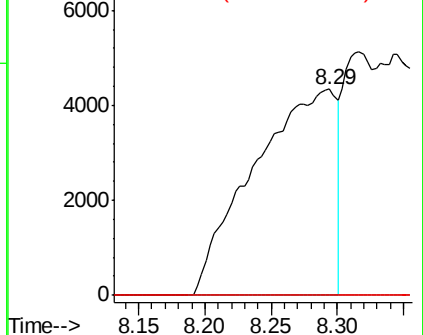
87 0.0 11.7 17.5#



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: 54.288 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057037.D

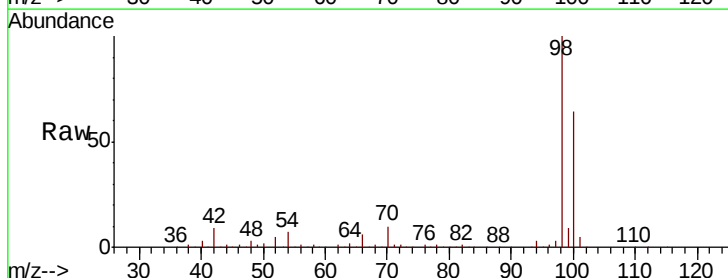
Acq: 1 Aug 2019 15:11

Tgt Ion: 98 Resp: 1101825

Ion Ratio Lower Upper

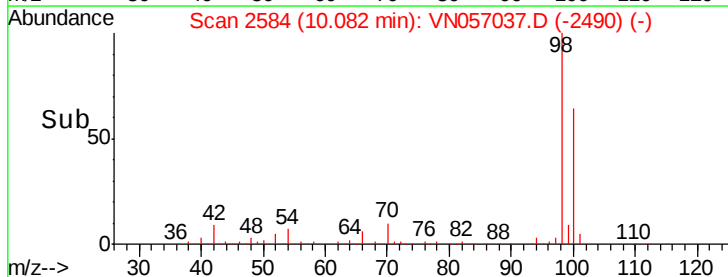
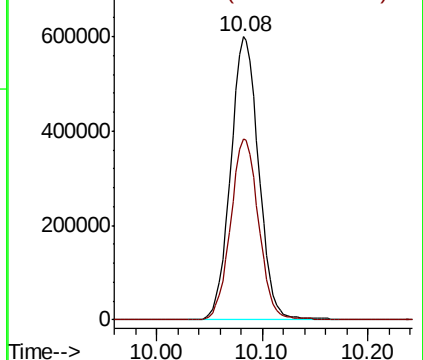
98 100

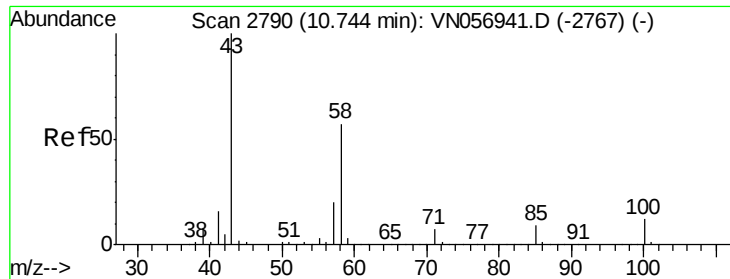
100 64.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

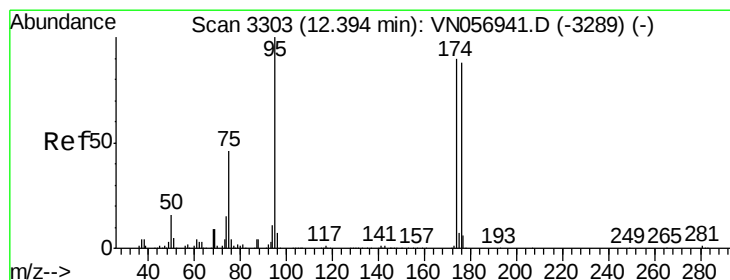
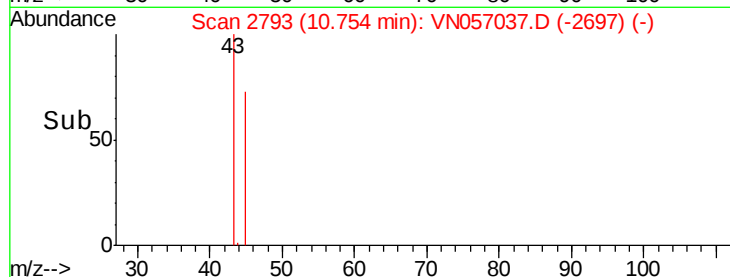
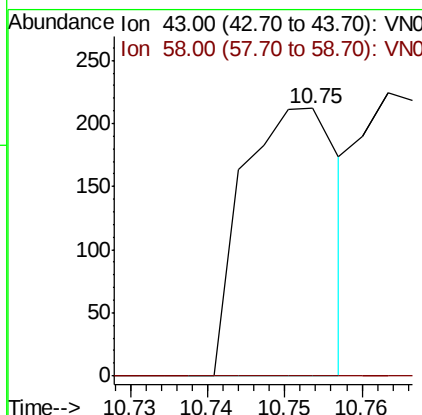
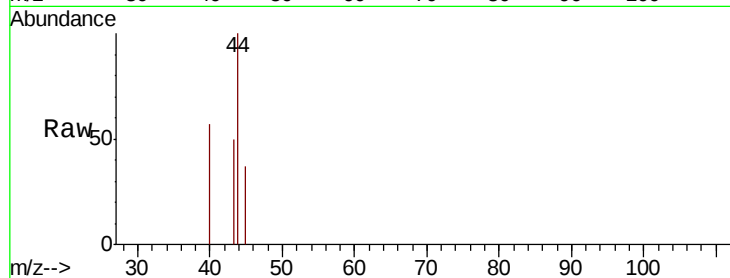




#59
2-Hexanone
Concen: 2.540 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN057037.D
Acq: 1 Aug 2019 15:11

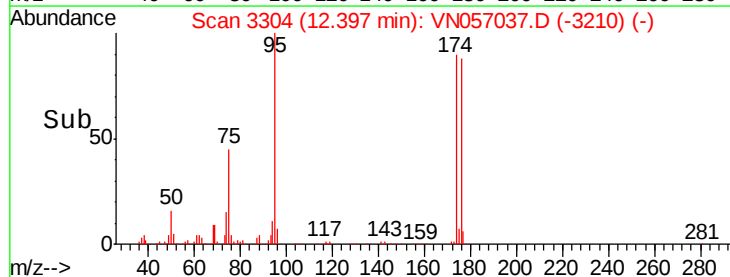
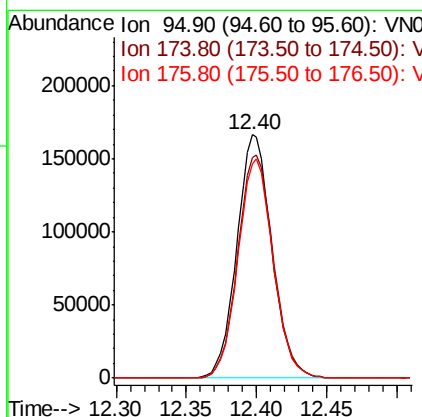
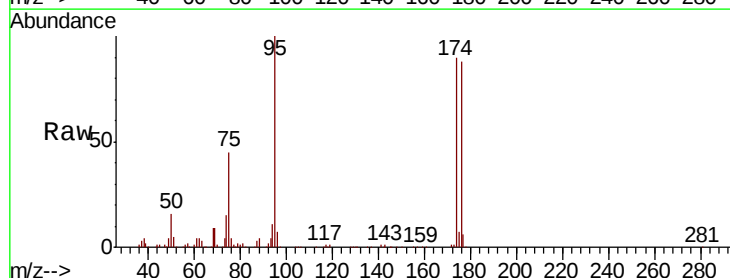
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-518-520

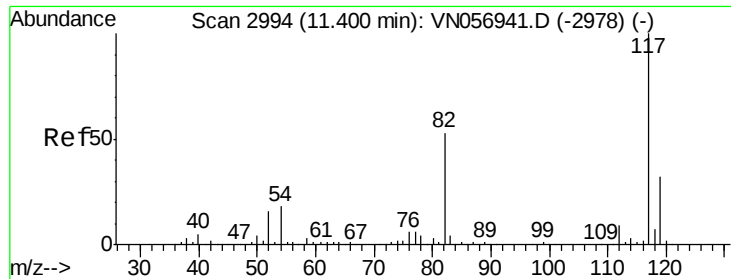
Tot Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 43.763 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057037.D
Acq: 1 Aug 2019 15:11

Tgt Ion: 95 Resp: 289149
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# 2995

Delta R.T. 0.00 min

Lab File: VN057037.D

Acq: 1 Aug 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-518-520

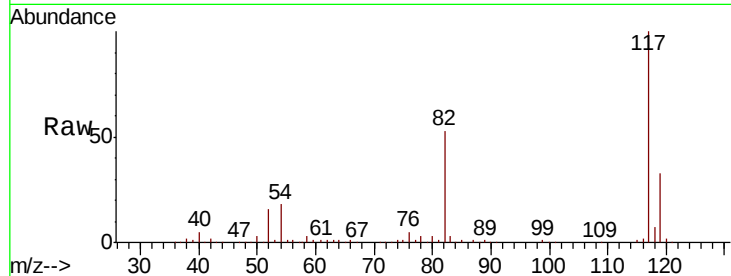
Tot Ion:117 Resp: 680579

Ion Ratio Lower Upper

117 100

82 52.6 42.2 63.4

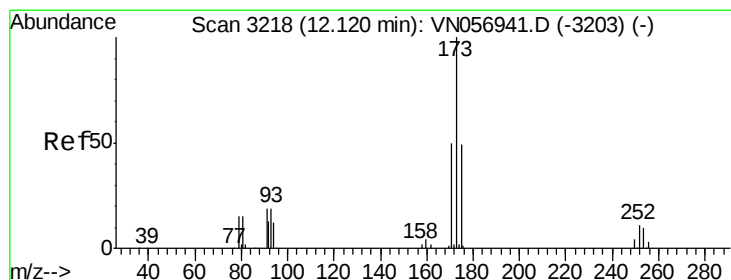
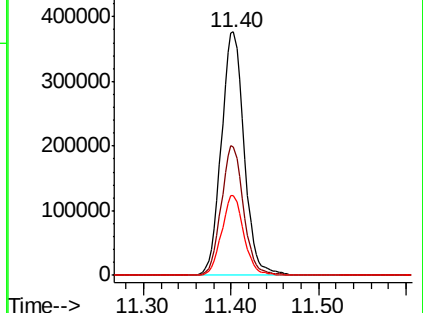
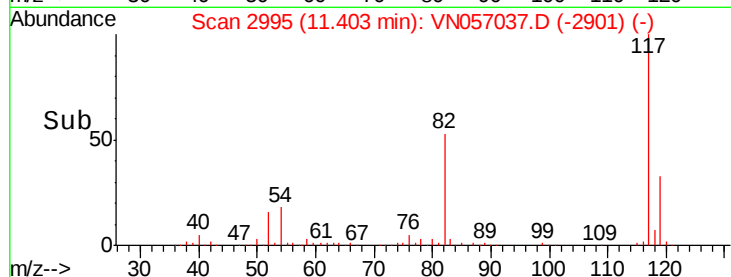
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.689 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN057037.D

Acq: 1 Aug 2019 15:11

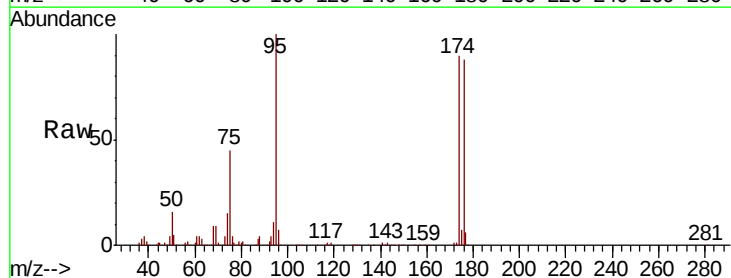
Tgt Ion:173 Resp: 2512

Ion Ratio Lower Upper

173 100

175 625.2 24.1 72.4#

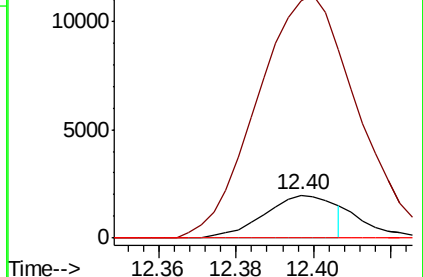
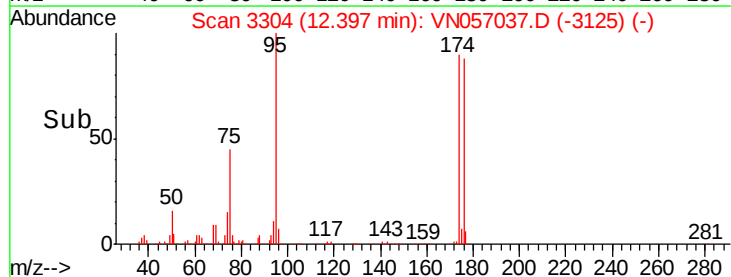
254 0.0 0.1 0.1#

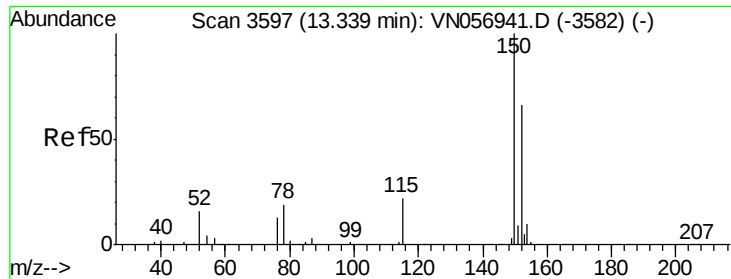


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN057037.D

Acq: 1 Aug 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-518-520

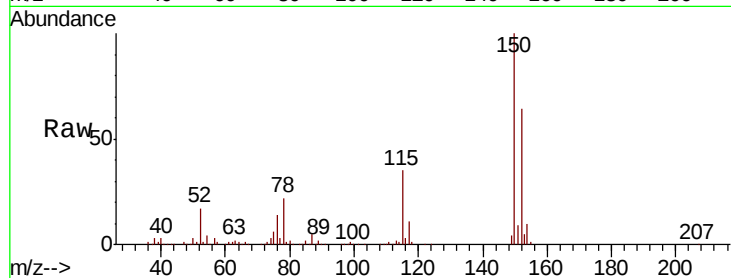
Tot Ion:152 Resp: 185543

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.6

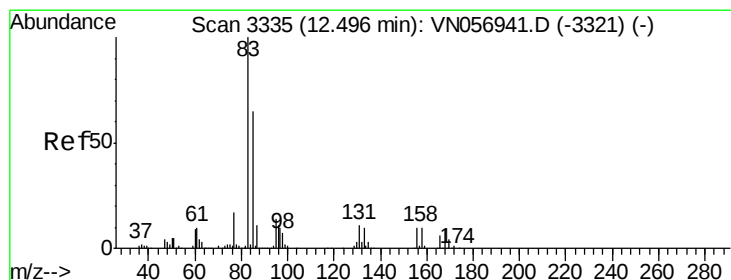
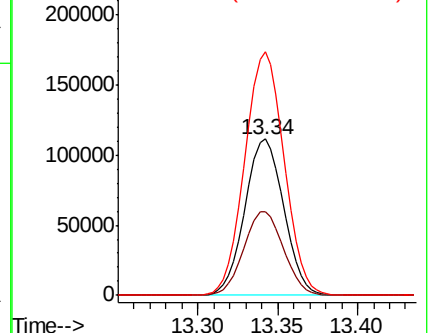
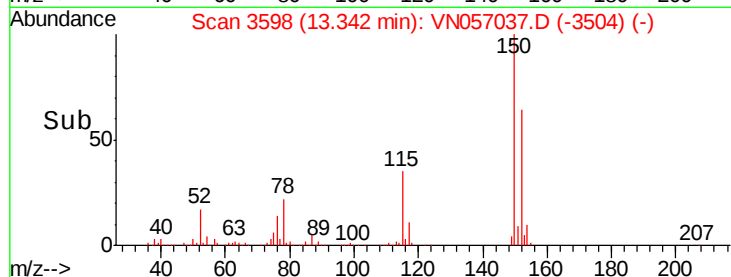
150 157.0 0.0 349.4



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: VN057037.D

Acq: 1 Aug 2019 15:11

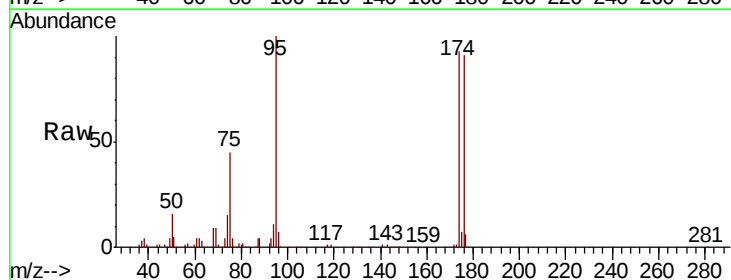
Tgt Ion: 83 Resp: 96

Ion Ratio Lower Upper

83 100

131 269.8 5.3 16.1#

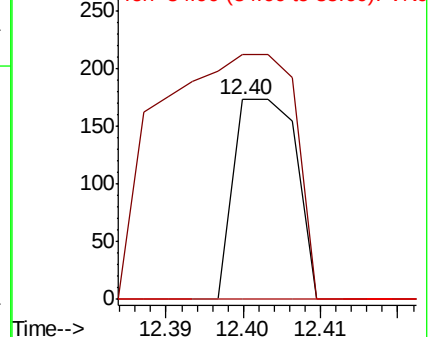
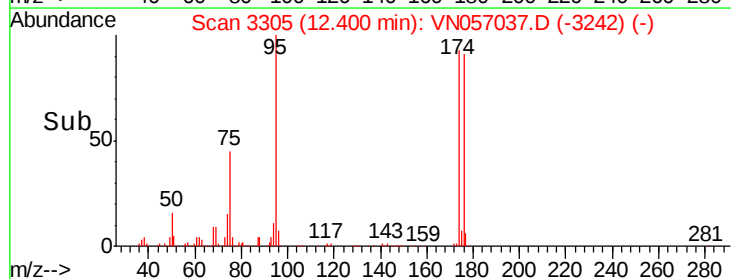
85 0.0 32.5 97.4#

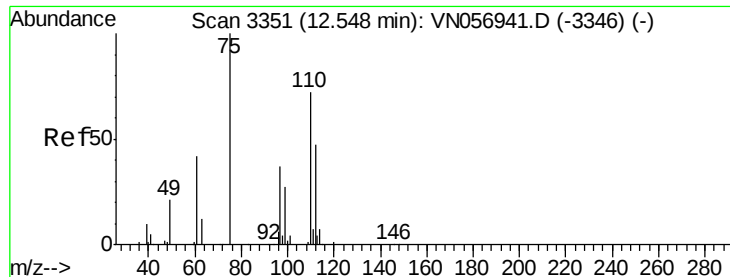


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.013 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057037.D

Acq: 1 Aug 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

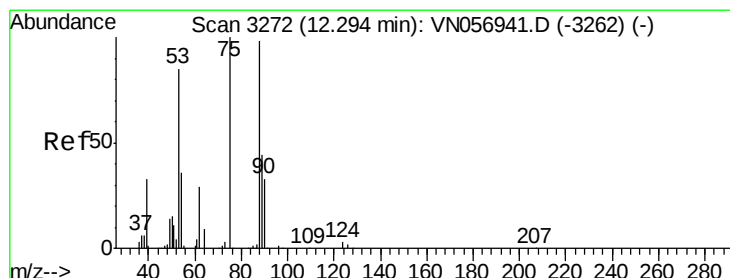
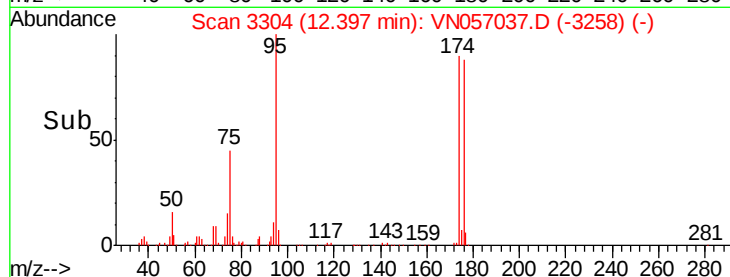
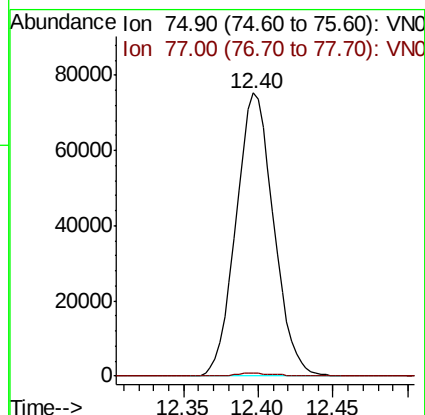
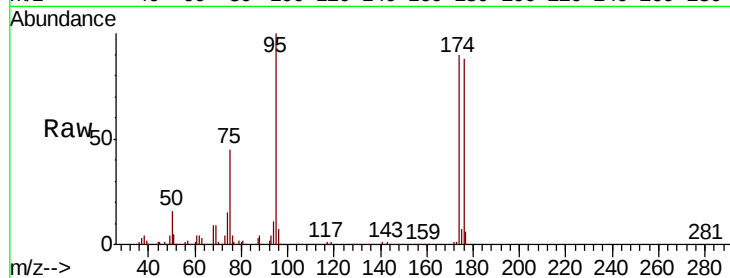
BP-VPB203-GW-518-520

Tot Ion: 75 Resp: 131932

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.496 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057037.D

Acq: 1 Aug 2019 15:11

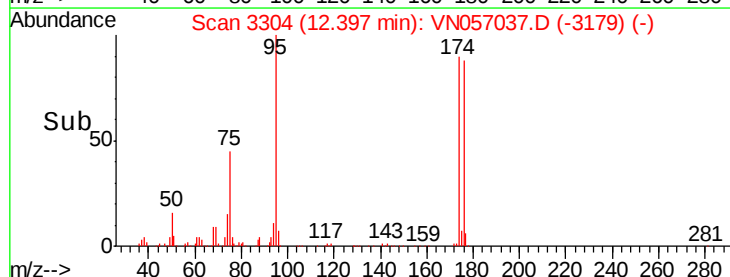
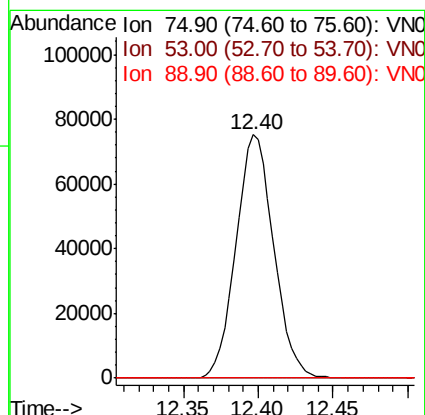
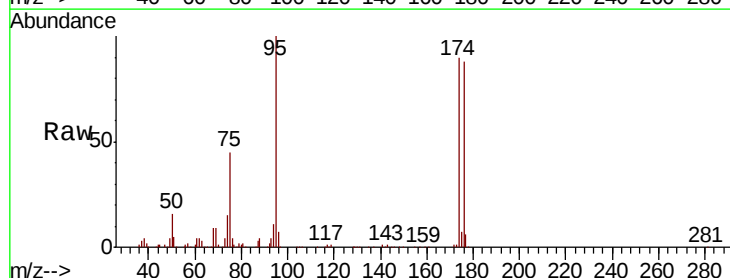
Tgt Ion: 75 Resp: 131932

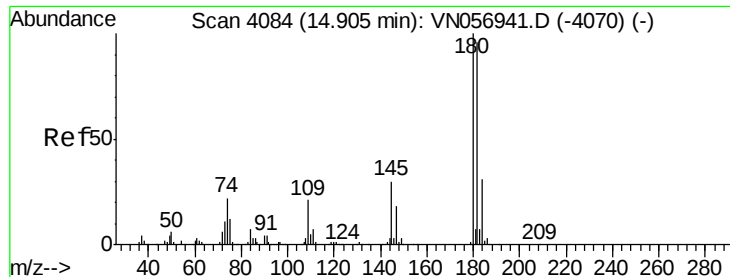
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

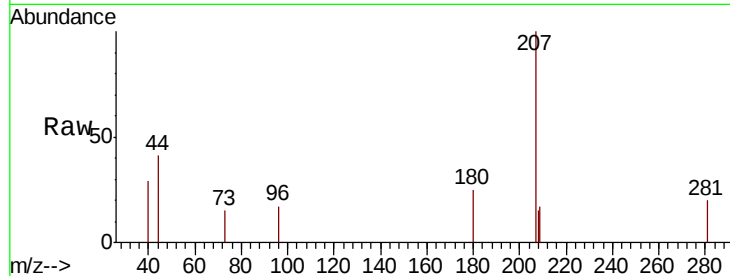




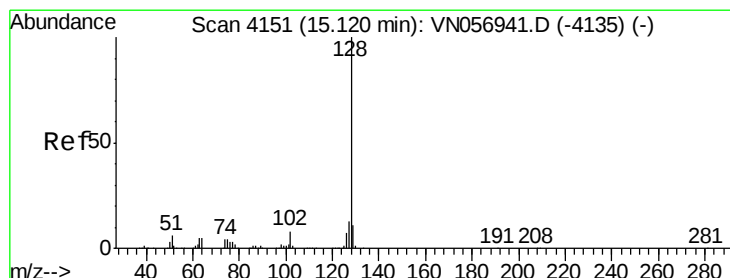
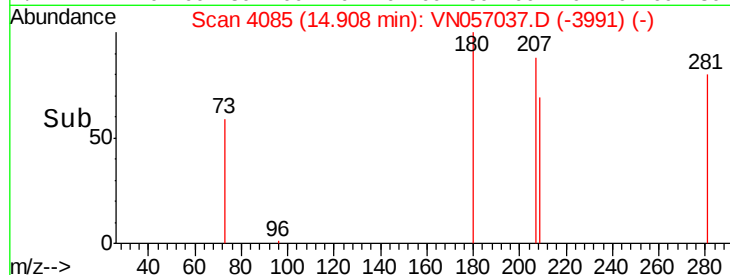
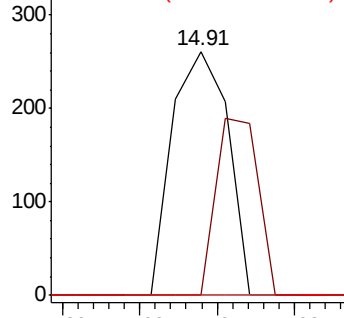
#93
 1,2,4-Trichlorobenzene
 Concen: 2.750 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057037.D
 Acq: 1 Aug 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-518-520

Tot Ion:180 Resp: 131
 Ion Ratio Lower Upper
 180 100
 182 55.0 47.6 142.8
 145 0.0 14.2 42.8#

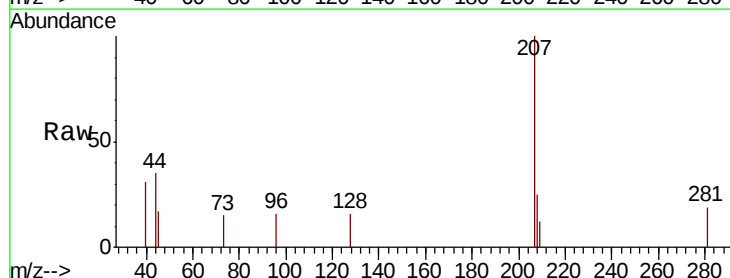


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

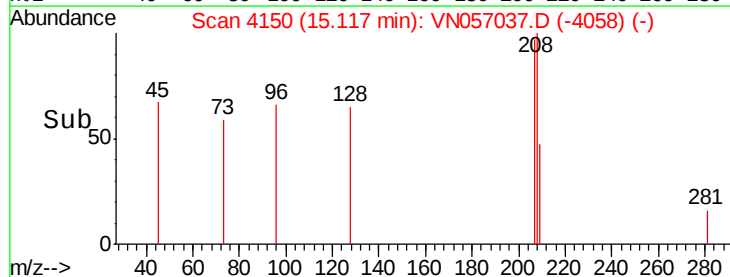
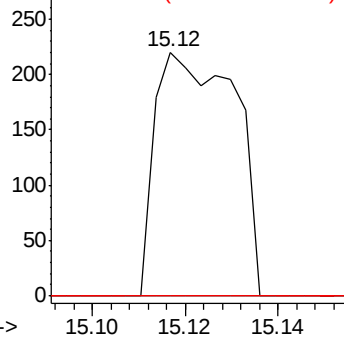


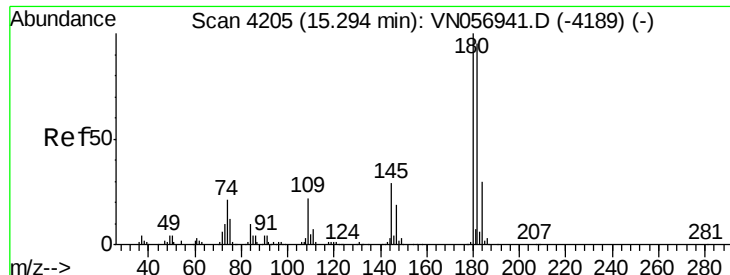
#95
 Naphthalene
 Concen: 3.619 ug/l
 RT: 15.12 min Scan# 4150
 Delta R.T. -0.00 min
 Lab File: VN057037.D
 Acq: 1 Aug 2019 15:11

Tgt Ion:128 Resp: 262
 Ion Ratio Lower Upper
 128 100
 127 0.0 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

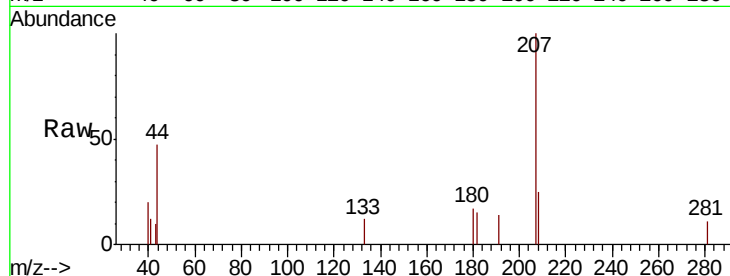




#96
 1,2,3-Trichlorobenzene
 Concen: 2.099 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057037.D
 Acq: 1 Aug 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-518-520

Tot Ion	Ratio	Lower	Upper
180	100		
182	68.7	48.0	144.2
145	0.0	15.0	45.0



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

