

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057030.D
 Acq On : 1 Aug 2019 12:28
 Operator : JC/SP
 Sample : K4097-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-TB-20190729

Quant Time: Aug 02 05:12:05 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	576793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	839508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	680884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187884	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	319509	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
35) Dibromofluoromethane	7.58	113	287647	53.52	ug/l	0.00
Spiked Amount			Recovery	=	107.04%	
50) Toluene-d8	10.08	98	1097194	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.40	95	286557	42.95	ug/l	0.00
Spiked Amount			Recovery	=	85.90%	

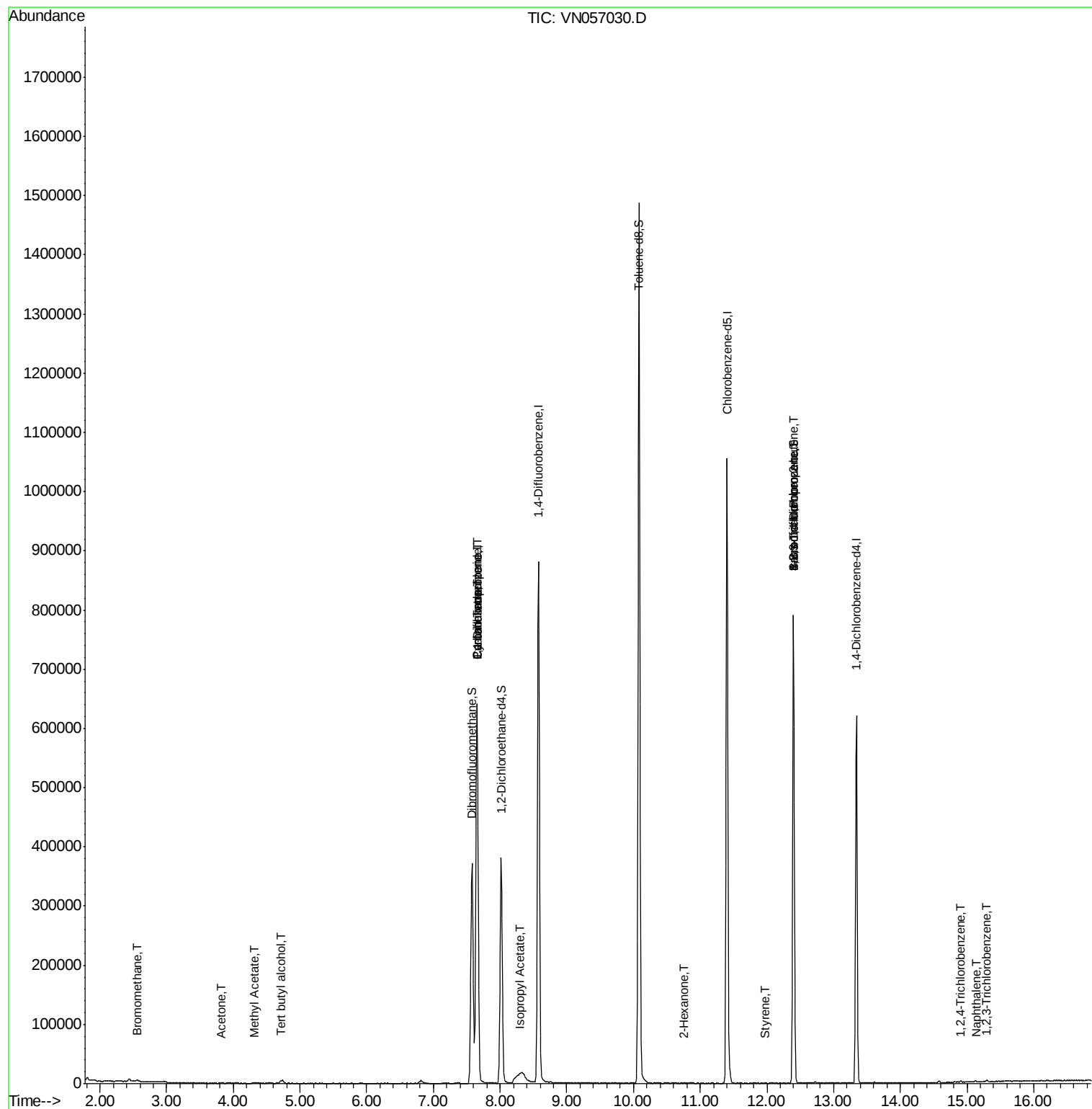
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	1274	0.313	ug/l	92
11) Tert butyl alcohol	4.71	59	2233	2.798	ug/l #	74
16) Acetone	3.81	43	453	0.212	ug/l #	41
18) Methyl Acetate	4.33	43	2448	0.359	ug/l #	87
31) Cyclohexane	7.65	56	8575	0.884	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	36280	4.911	ug/l #	48
38) Carbon Tetrachloride	7.65	117	48756	6.978	ug/l #	16
43) Isopropyl Acetate	8.29	43	24788	2.535	ug/l #	52
59) 2-Hexanone	10.75	43	525	2.616	ug/l #	23
70) Styrene	11.96	104	112	1.874	ug/l #	26
71) Bromoform	12.40	173	2355	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	132675	34.772	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	132675	111.720	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1036	3.011	ug/l #	87
94) Hexachlorobutadiene	15.00	225	30	Below Cal	#	35
95) Naphthalene	15.12	128	1698	3.785	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.30	180	1142	2.381	ug/l	66

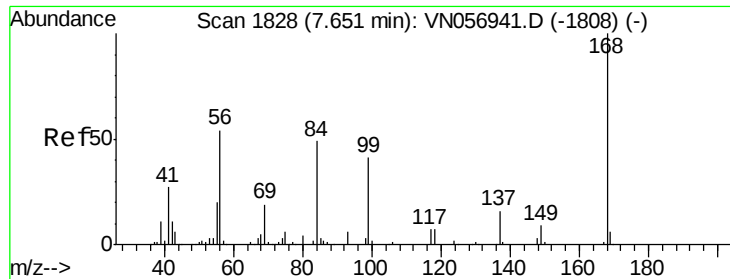
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057030.D

Acq: 1 Aug 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

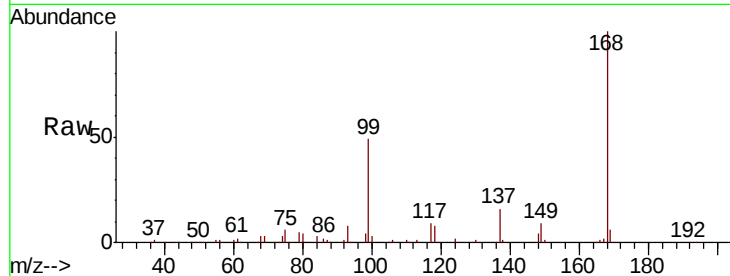
BP-VPB203-TB-20190729

Tot Ion:168 Resp: 576793

Ion Ratio Lower Upper

168 100

99 49.5 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

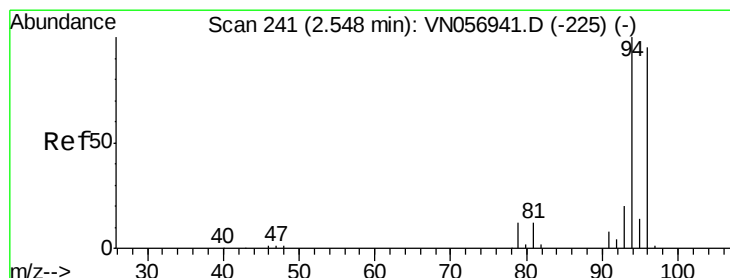
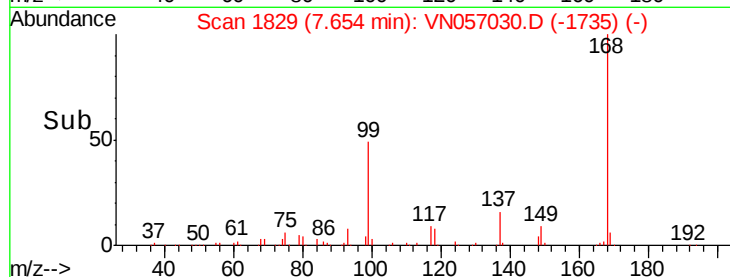
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.313 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.02 min

Lab File: VN057030.D

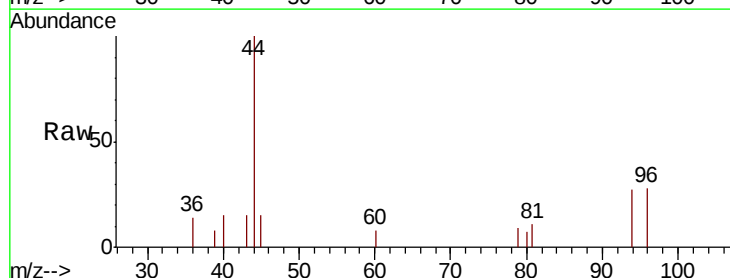
Acq: 1 Aug 2019 12:28

Tgt Ion: 94 Resp: 1274

Ion Ratio Lower Upper

94 100

96 102.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN056941.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN056941.D (-225) (-)

2.56

800

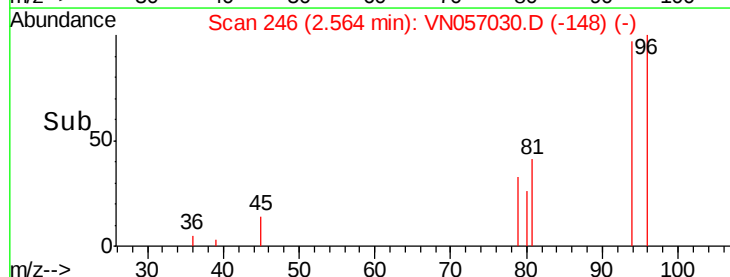
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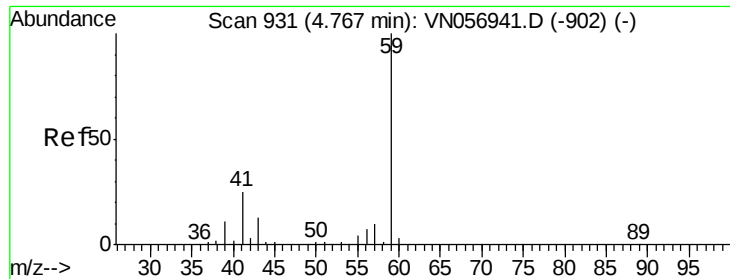
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200

0

Time-->



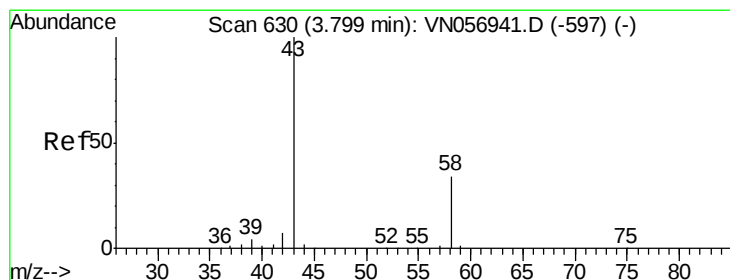
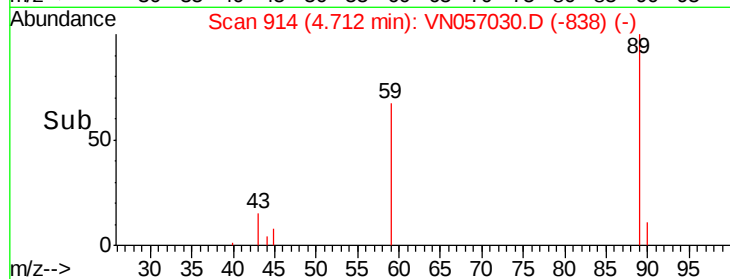
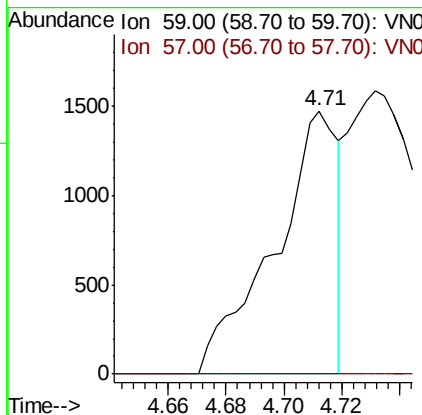
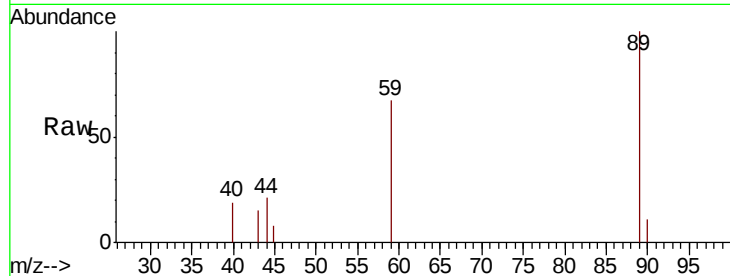


#11

Tert butyl alcohol
 Concen: 2.798 ug/l
 RT: 4.71 min Scan# 914
 Delta R.T. -0.05 min
 Lab File: VN057030.D
 Acq: 1 Aug 2019 12:28

Instrument :
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 ClientSampleId :
 BP-VPB203-TB-20190729

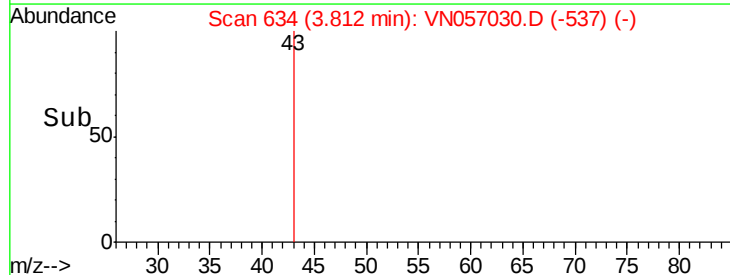
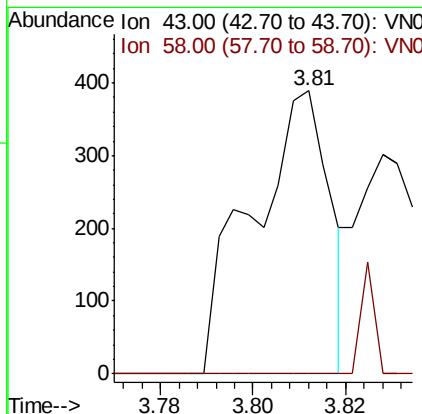
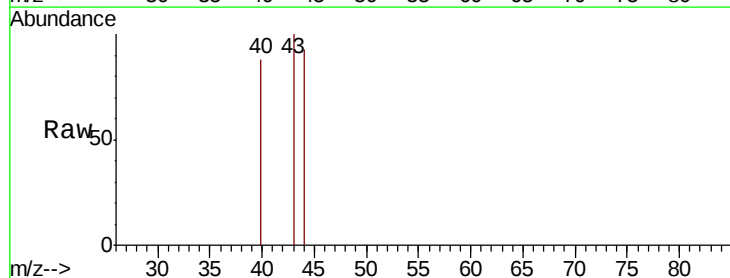
Tot Ion: 59 Resp: 2233
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

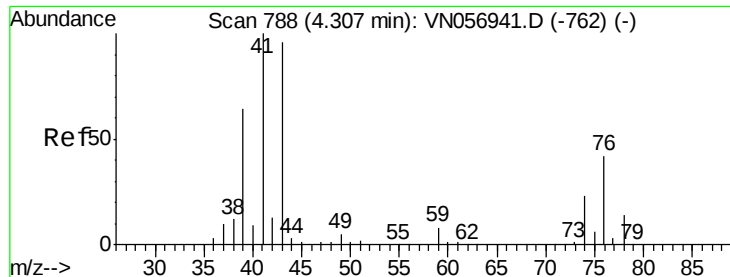


#16

Acetone
 Concen: 0.212 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VN057030.D
 Acq: 1 Aug 2019 12:28

Tgt Ion: 43 Resp: 453
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.2 40.8#

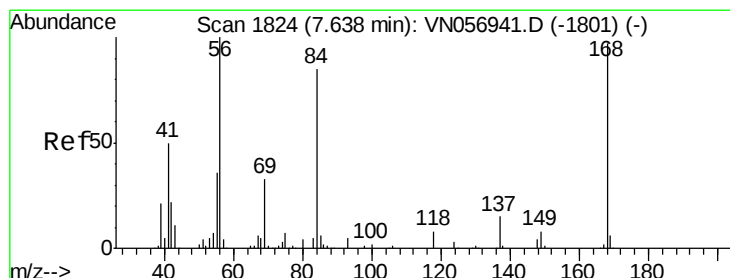
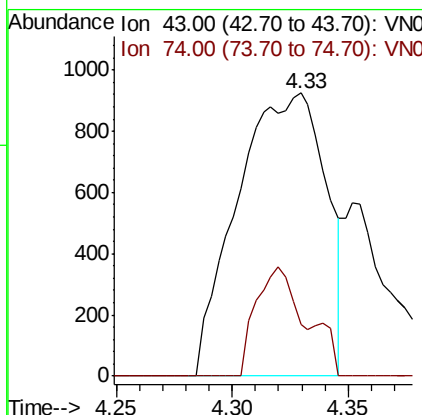
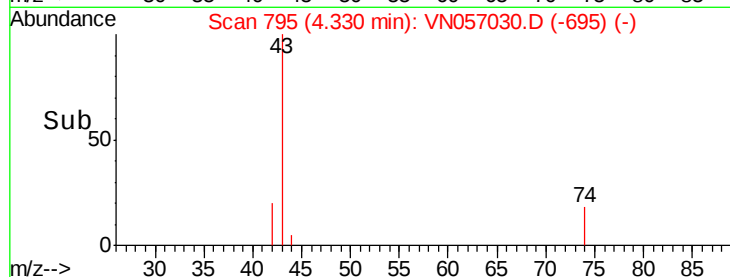
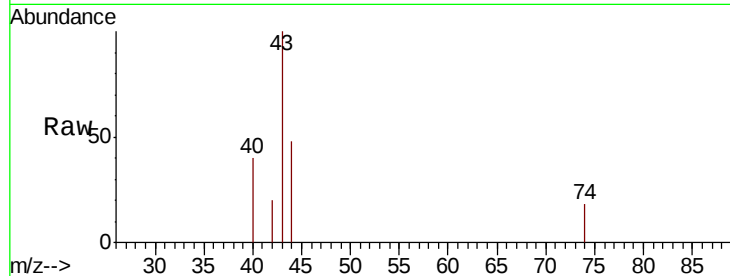




#18
Methyl Acetate
Concen: 0.359 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.02 min
Lab File: VN057030.D
Acq: 1 Aug 2019 12:28

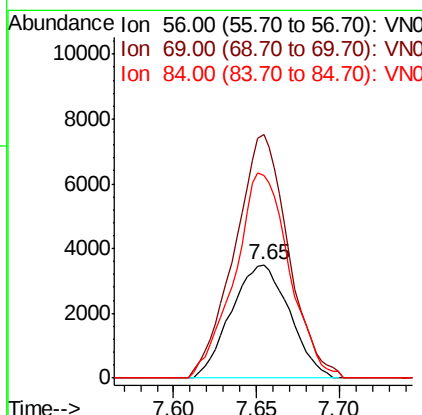
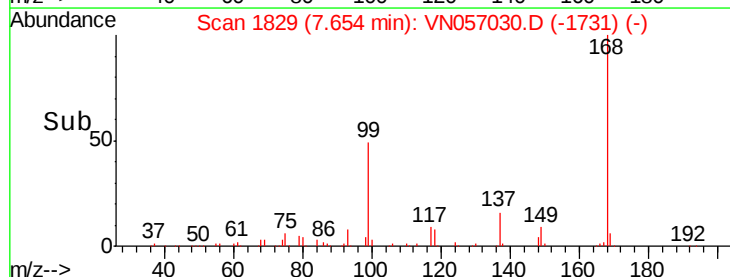
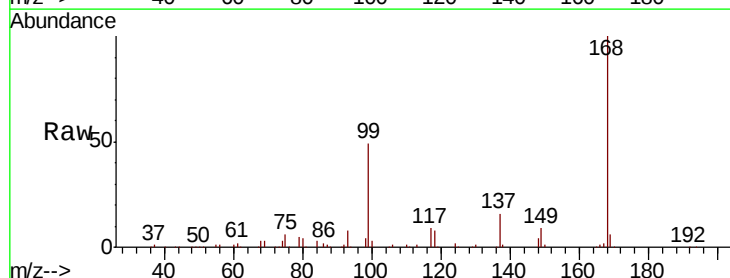
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-TB-20190729

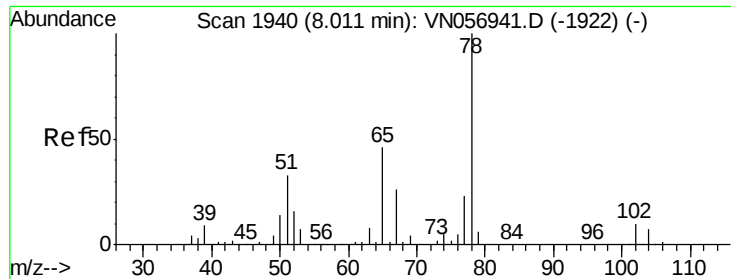
Tot Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
74 17.9 19.7 29.5#



#31
Cyclohexane
Concen: 0.884 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057030.D
Acq: 1 Aug 2019 12:28

Tgt Ion: 56 Resp: 8575
Ion Ratio Lower Upper
56 100
69 214.2 26.2 39.2#
84 178.4 68.2 102.2#

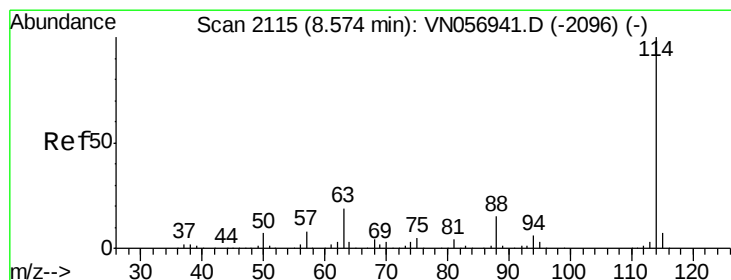
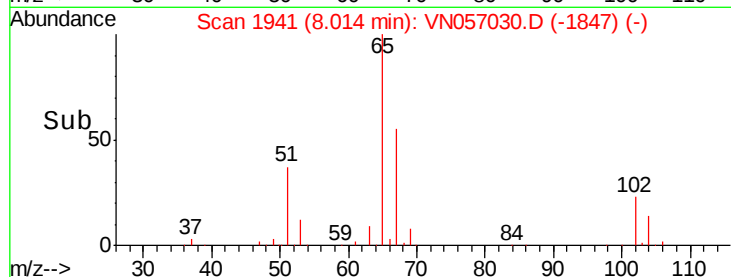
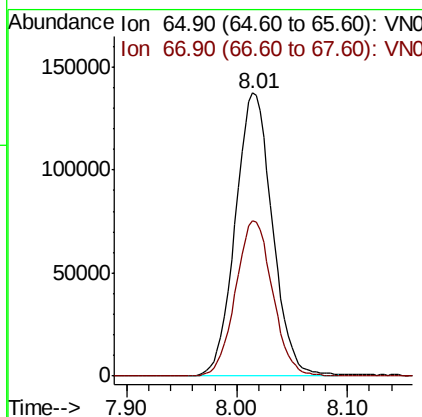
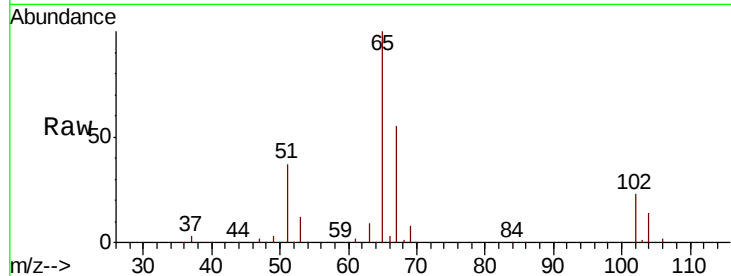




#33
 1,2-Dichloroethane-d4
 Concen: 54.115 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057030.D
 Acq: 1 Aug 2019 12:28

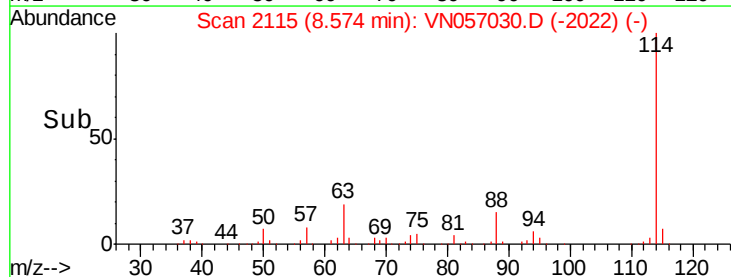
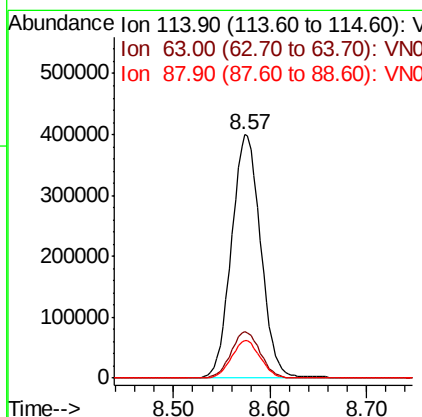
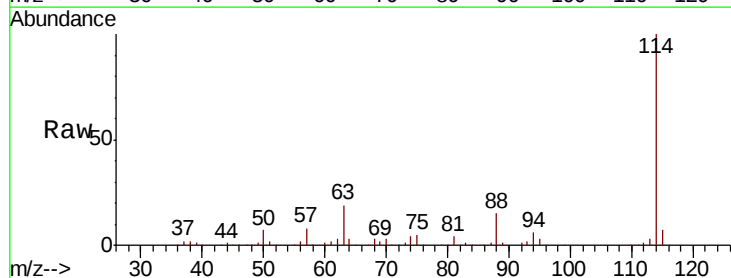
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-TB-20190729

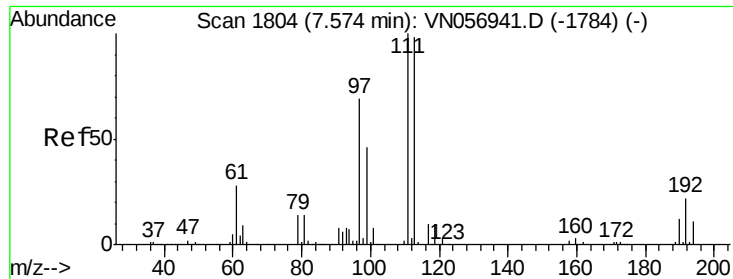
Tot Ion: 65 Resp: 319509
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057030.D
 Acq: 1 Aug 2019 12:28

Tgt Ion: 114 Resp: 839508
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.0
 88 15.3 0.0 30.0

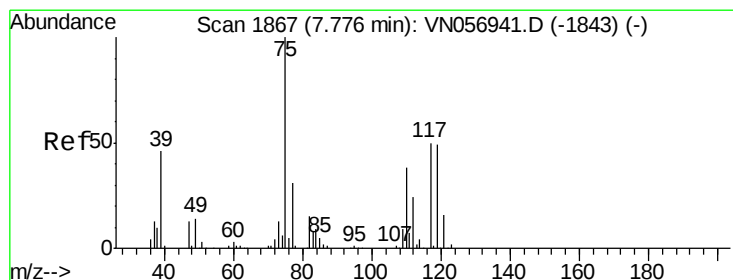
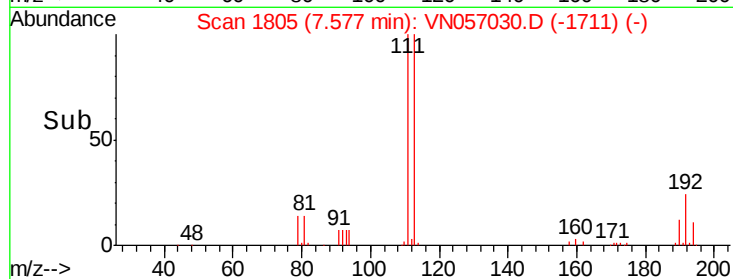
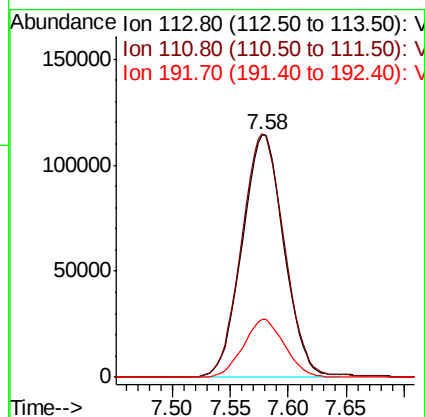
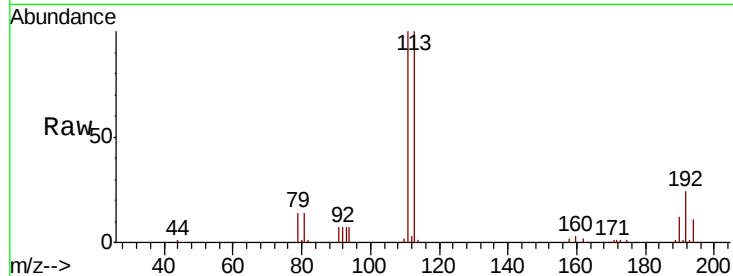




#35
 Dibromofluoromethane
 Concen: 53.523 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057030.D
 Acq: 1 Aug 2019 12:28

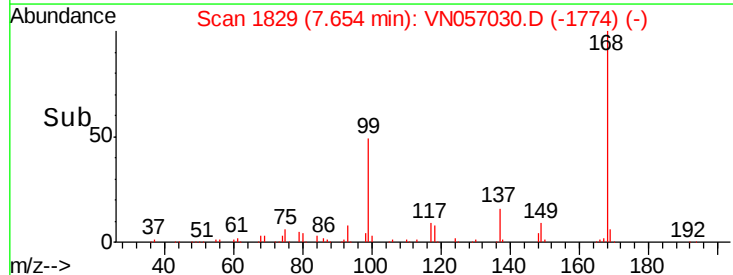
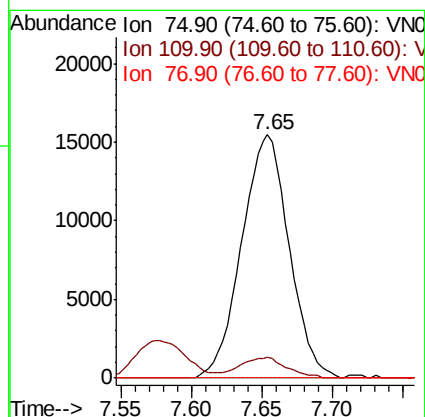
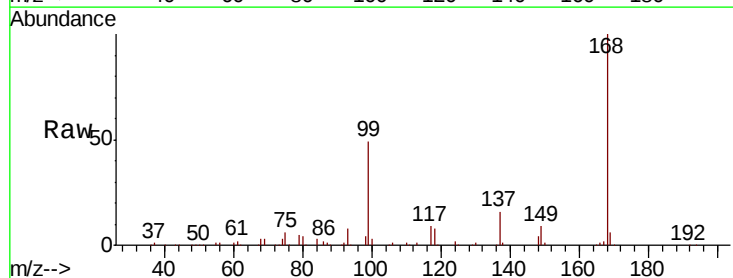
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-TB-20190729

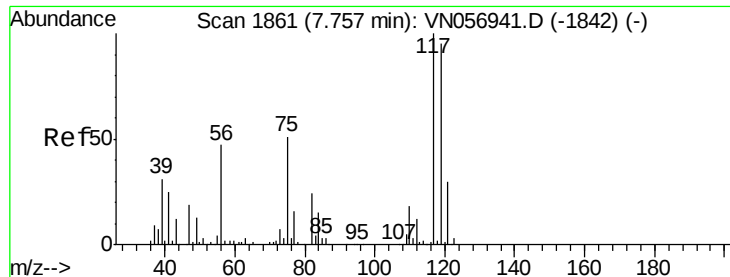
Tot Ion:113 Resp: 287647
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.0 123.0
 192 23.7 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.911 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057030.D
 Acq: 1 Aug 2019 12:28

Tgt Ion: 75 Resp: 36280
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.6 55.8#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 6.978 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-TB-20190729

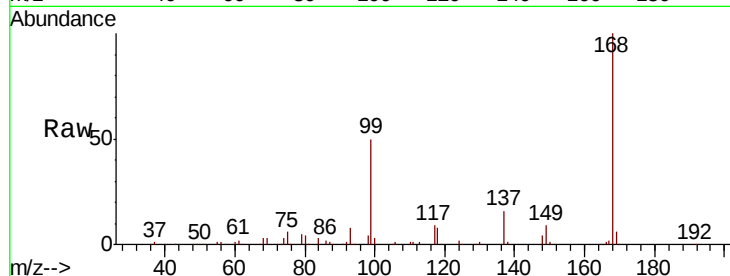
Tot Ion:117 Resp: 48756

Ion Ratio Lower Upper

117 100

119 4.5 75.3 112.9#

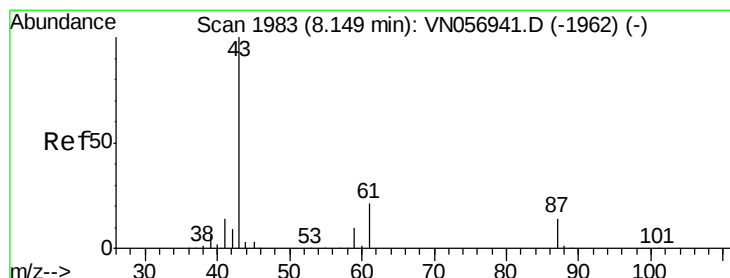
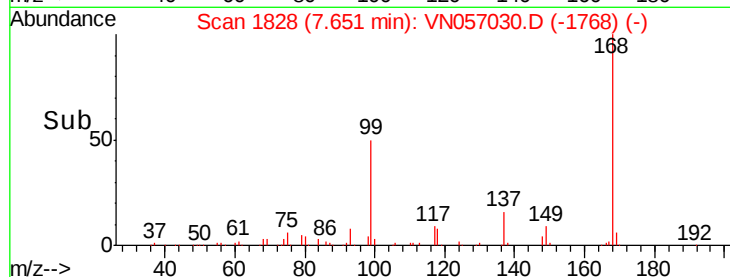
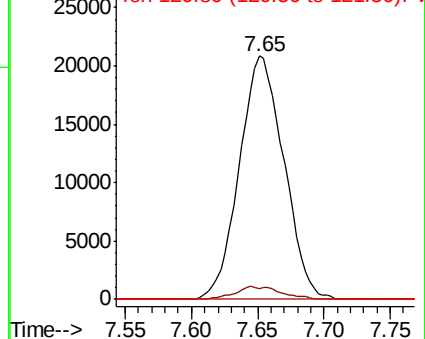
121 0.0 24.2 36.4#



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: 2.535 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.14 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

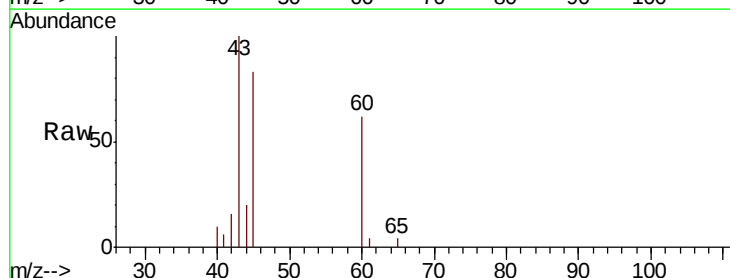
Tgt Ion: 43 Resp: 24788

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

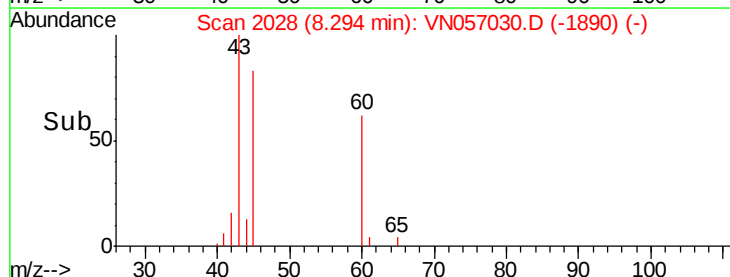
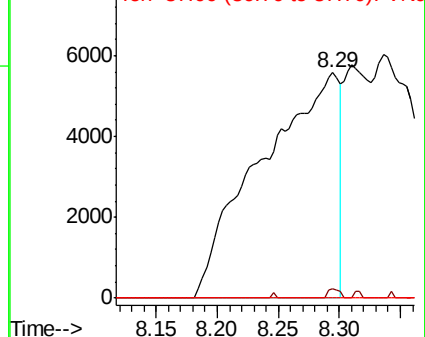
87 0.0 11.7 17.5#

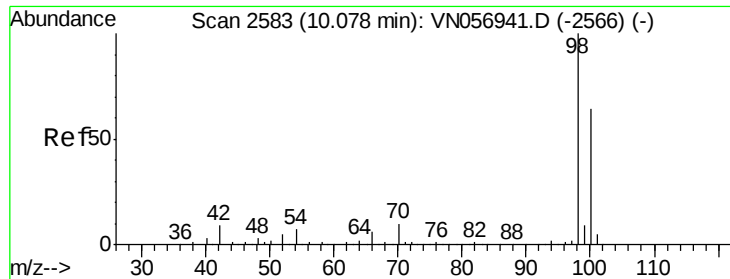


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 53.536 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

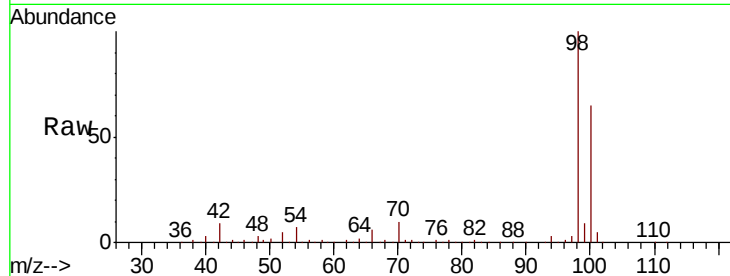
BP-VPB203-TB-20190729

Tot Ion: 98 Resp: 1097194

Ion Ratio Lower Upper

98 100

100 64.5 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

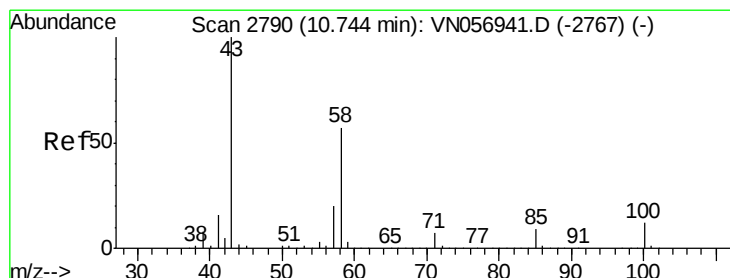
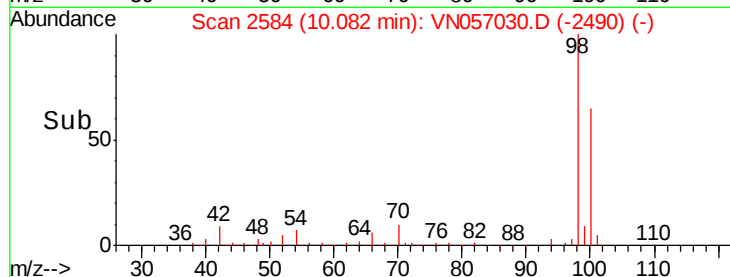
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 2.616 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN057030.D

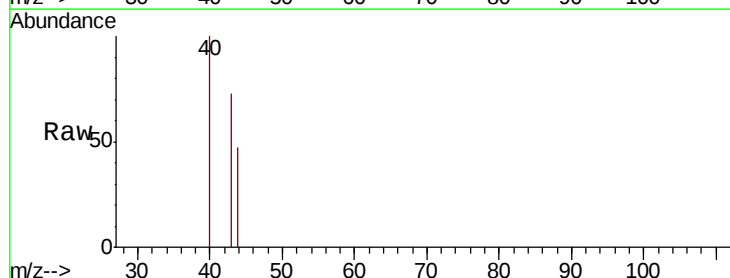
Acq: 1 Aug 2019 12:28

Tgt Ion: 43 Resp: 525

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) (-)

10.75

400

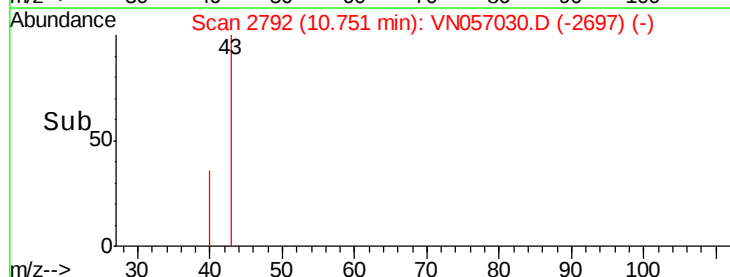
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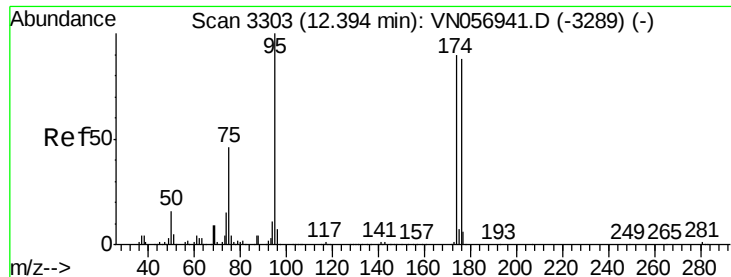
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 42.950 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-TB-20190729

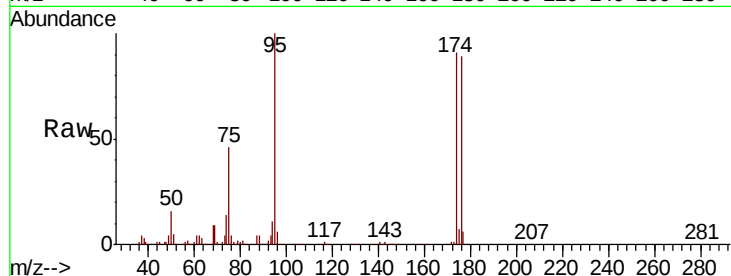
Tot Ion: 95 Resp: 286557

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.2

176 89.8 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

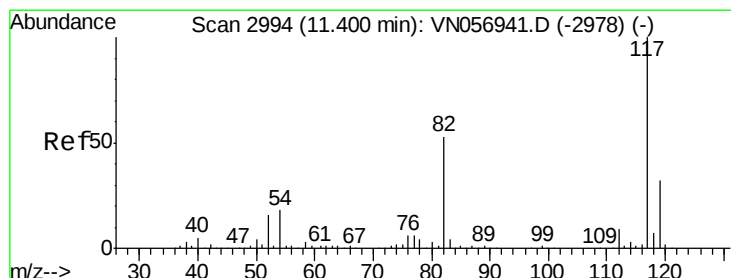
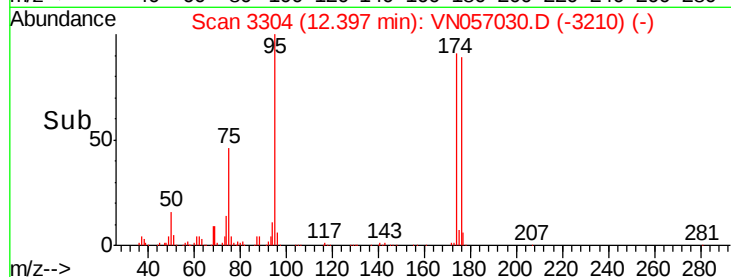
150000

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: VN057030.D

Acq: 1 Aug 2019 12:28

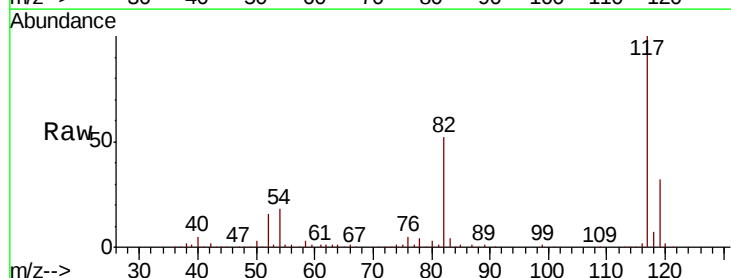
Tgt Ion: 117 Resp: 680884

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.4

119 31.7 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

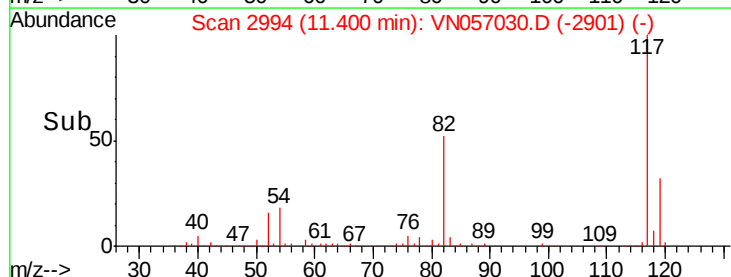
300000

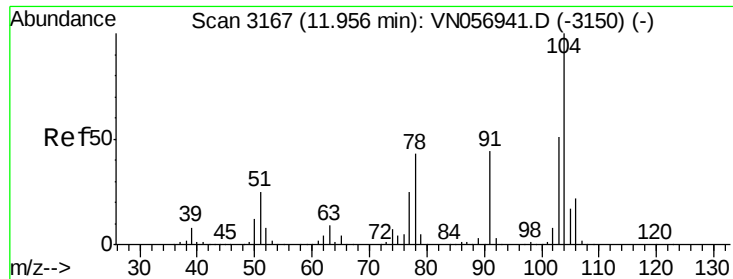
200000

100000

0

Time--> 11.30 11.40 11.50





#70

Stvrene

Concen: 1.874 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.01 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-TB-20190729

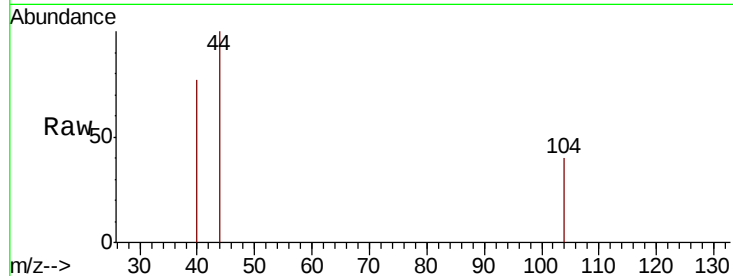
Tot Ion:104 Resp: 112

Ion Ratio Lower Upper

104 100

78 0.0 38.1 57.1#

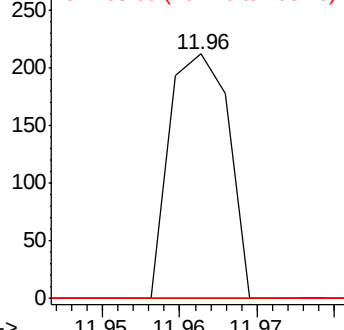
103 0.0 44.3 66.5#



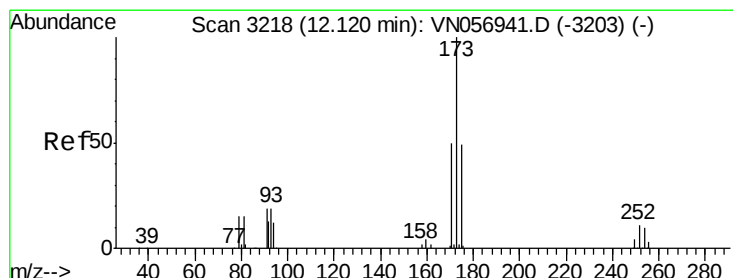
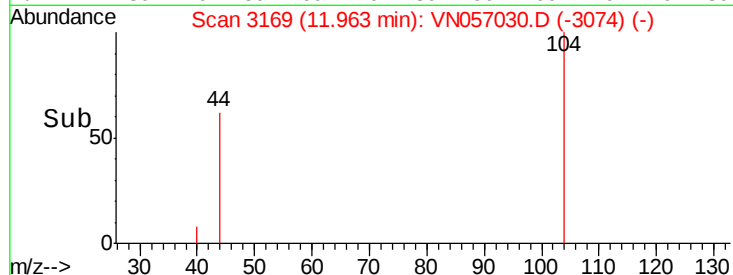
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



Time-->



#71

Bromoform

Concen: 0.646 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

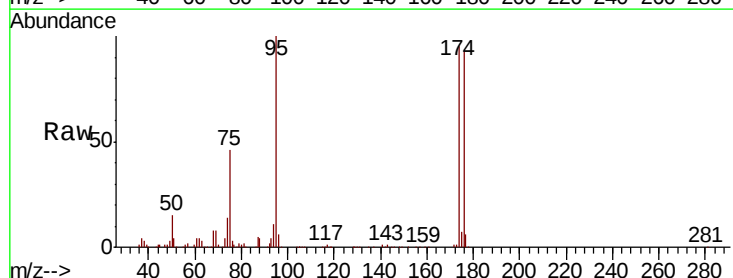
Tgt Ion:173 Resp: 2355

Ion Ratio Lower Upper

173 100

175 653.2 24.1 72.4#

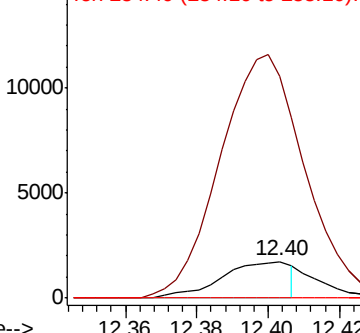
254 0.0 0.1 0.1#



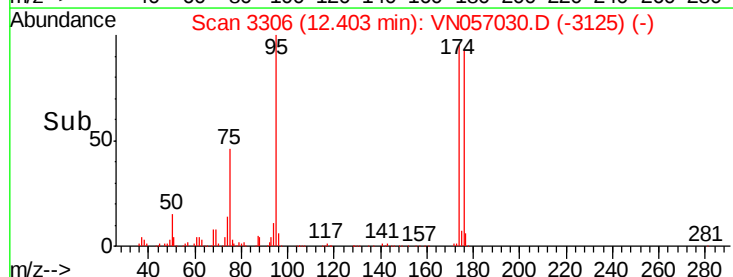
Abundance Ion 172.70 (172.40 to 173.40): V

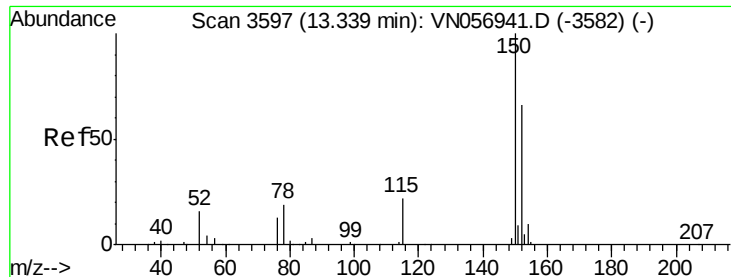
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-TB-20190729

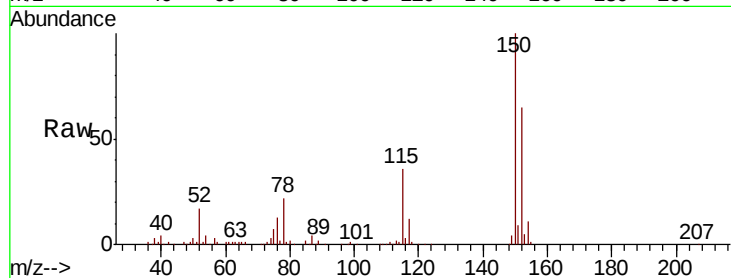
Tot Ion:152 Resp: 187884

Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.6

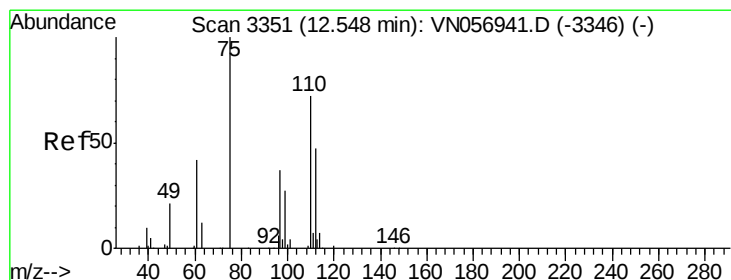
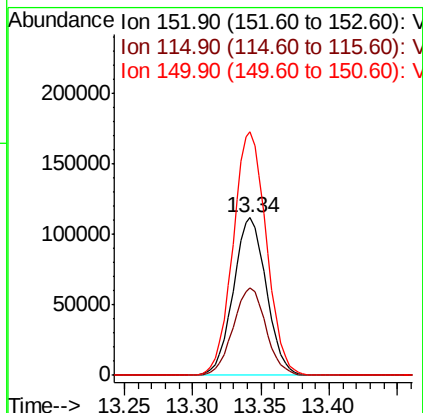
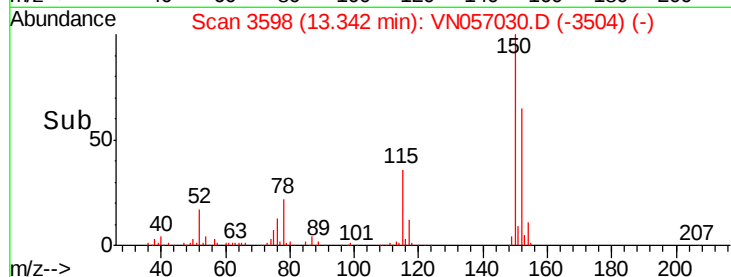
150 156.1 0.0 349.4



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



#76

1,2,3-Trichloropropane

Concen: 34.772 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057030.D

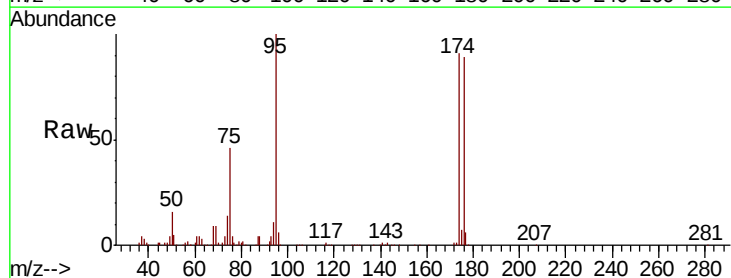
Acq: 1 Aug 2019 12:28

Tgt Ion: 75 Resp: 132675

Ion Ratio Lower Upper

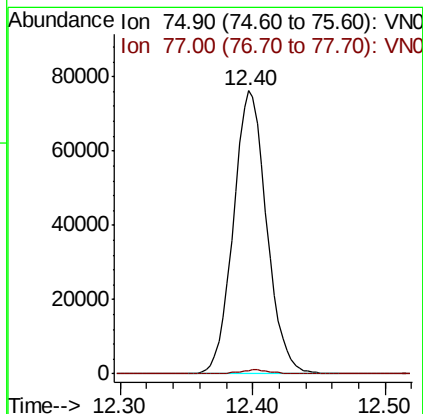
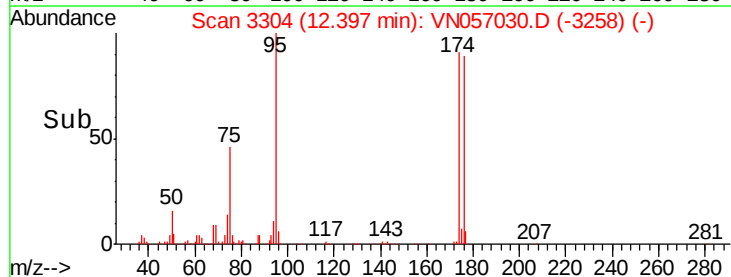
75 100

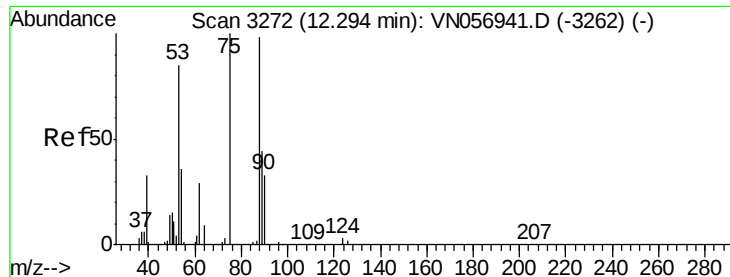
77 1.3 0.0 0.0#



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: 111.720 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-TB-20190729

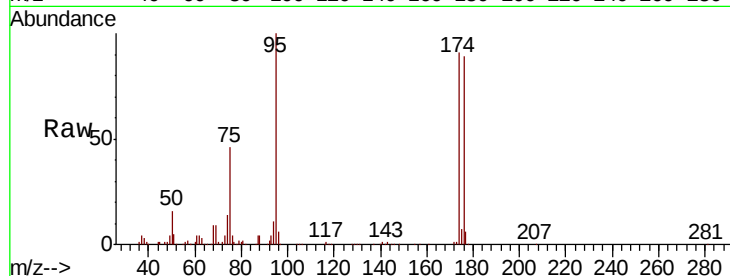
Tot Ion: 75 Resp: 132675

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

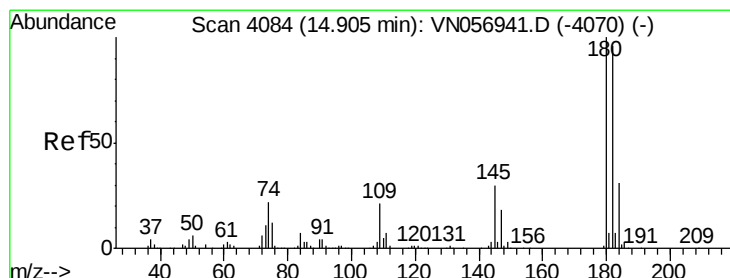
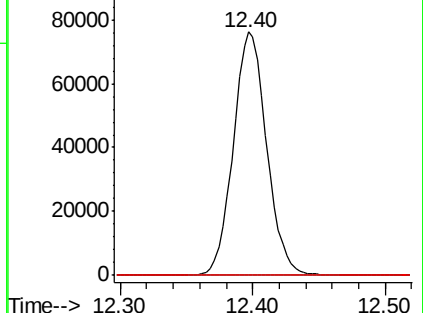
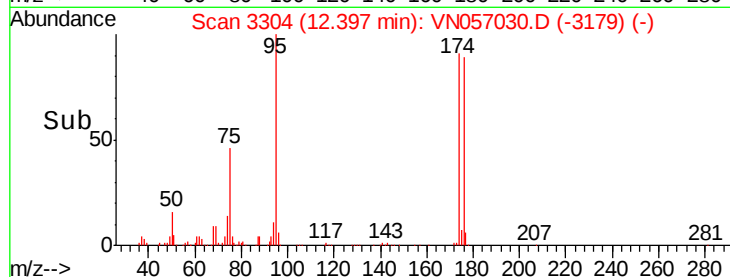
89 0.0 35.8 53.6#



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: 3.011 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

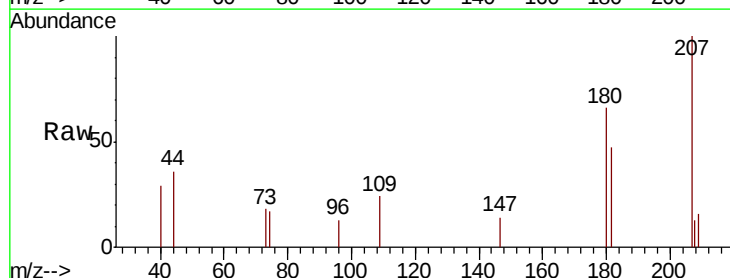
Tgt Ion: 180 Resp: 1036

Ion Ratio Lower Upper

180 100

182 90.6 47.6 142.8

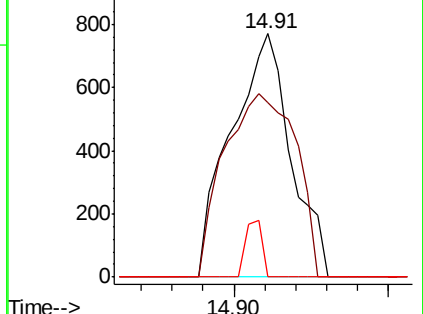
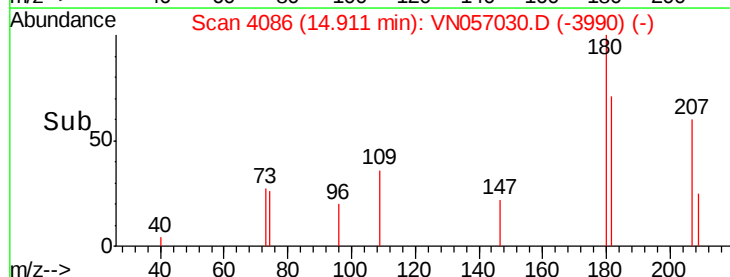
145 6.5 14.2 42.8#

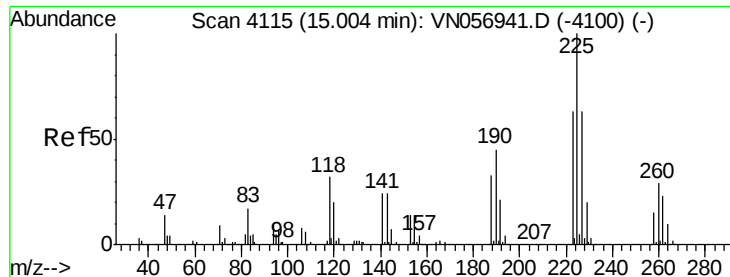


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-TB-20190729

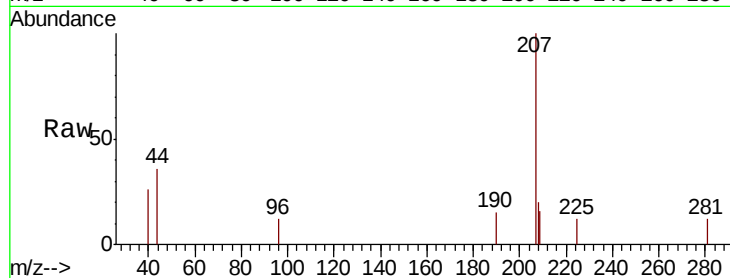
Tot Ion:225 Resp: 30

Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.4#

227 100.0 31.1 93.5#



Abundance Ion 224.70 (224.40 to 225.40): V

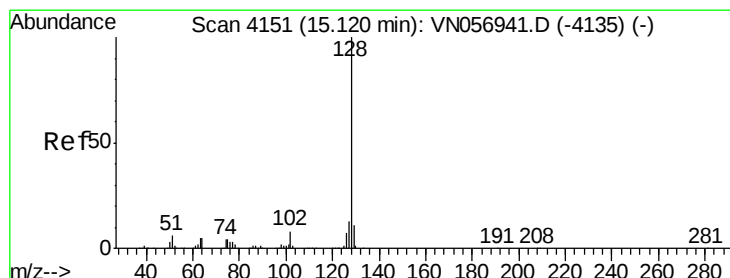
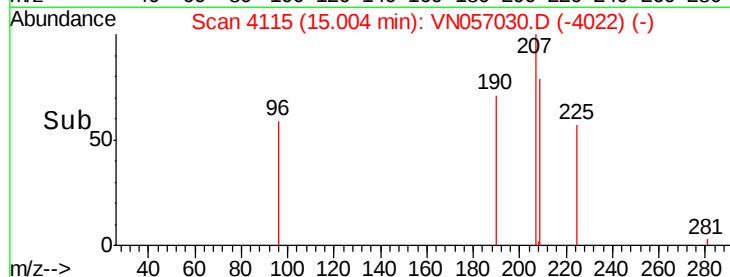
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.00

15.01

Time-->



#95

Naphthalene

Concen: 3.785 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057030.D

Acq: 1 Aug 2019 12:28

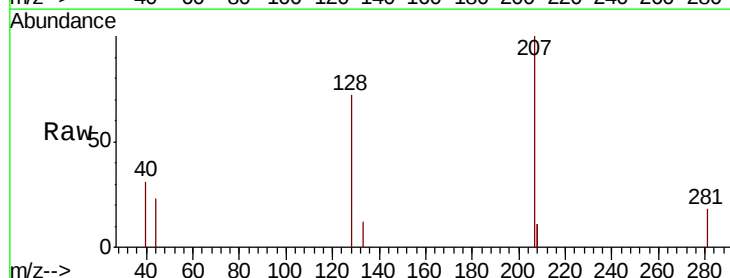
Tgt Ion:128 Resp: 1698

Ion Ratio Lower Upper

128 100

127 6.5 10.0 15.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

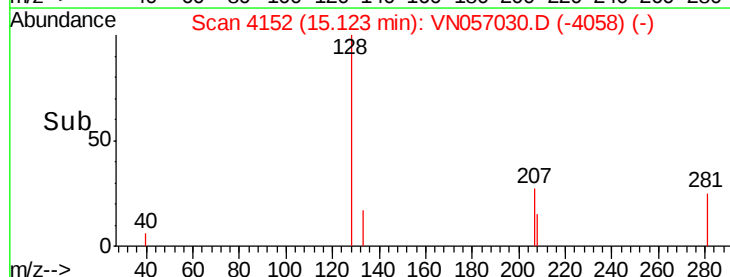
Ion 127.00 (126.70 to 127.70): V

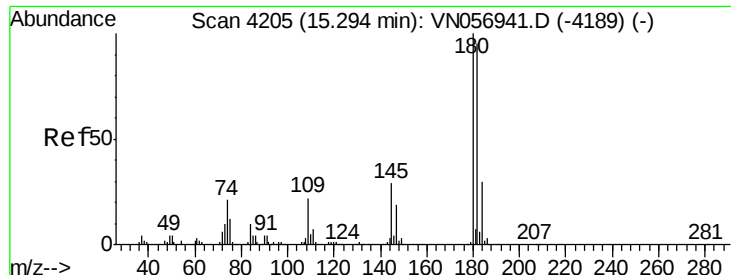
Ion 129.00 (128.70 to 129.70): V

15.12

15.15

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 2.381 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057030.D
 Acq: 1 Aug 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-TB-20190729

Tot Ion	Ratio	Lower	Upper
180	100		
182	56.3	48.0	144.2
145	37.1	15.0	45.0

