

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057034.D
 Acq On : 1 Aug 2019 14:01
 Operator : JC/SP
 Sample : K4097-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-458-460

Quant Time: Aug 02 05:13:21 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	569731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	817502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	673498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178051	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	341234	58.51	ug/l	0.00
Spiked Amount			Recovery	=	117.02%	
35) Dibromofluoromethane	7.58	113	304899	58.26	ug/l	0.00
Spiked Amount			Recovery	=	116.52%	
50) Toluene-d8	10.08	98	1152525	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
62) 4-Bromofluorobenzene	12.40	95	296491	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

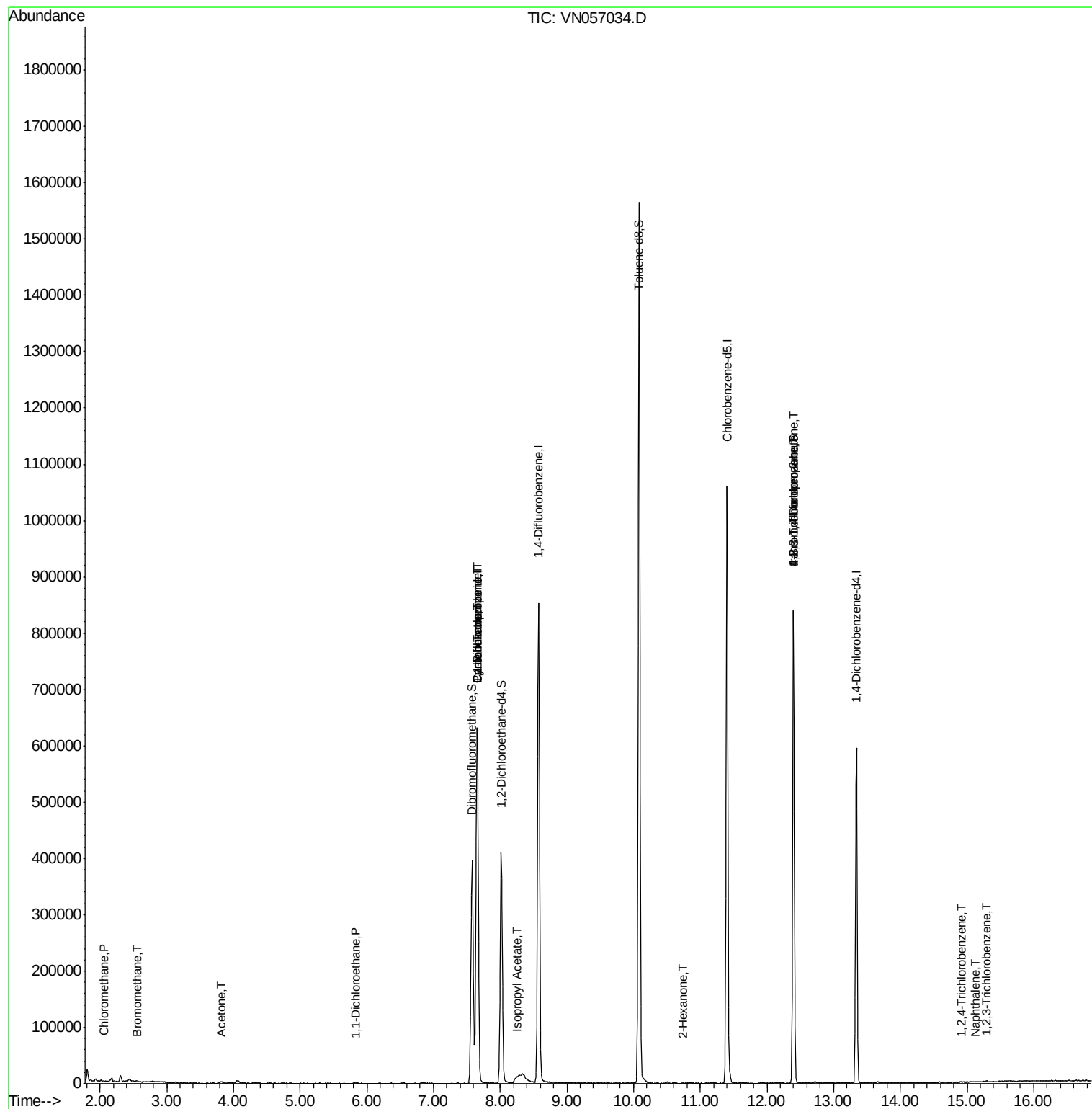
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2019	0.293	ug/l	90
5) Bromomethane	2.55	94	937	0.233	ug/l	85
16) Acetone	3.81	43	5562	2.633	ug/l	94
24) 1,1-Dichloroethane	5.83	63	2422	0.245	ug/l #	84
31) Cyclohexane	7.65	56	9083	0.948	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	36009	5.006	ug/l #	47
38) Carbon Tetrachloride	7.66	117	48272	7.094	ug/l #	16
43) Isopropyl Acetate	8.25	43	11453	1.203	ug/l #	52
59) 2-Hexanone	10.76	43	526	2.619	ug/l #	42
76) 1,2,3-Trichloropropane	12.40	75	136502	37.750	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	136502	121.291	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	360	2.821	ug/l #	1
94) Hexachlorobutadiene	15.01	225	66	Below Cal	#	19
95) Naphthalene	15.12	128	1287	3.746	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.29	180	800	2.295	ug/l #	49

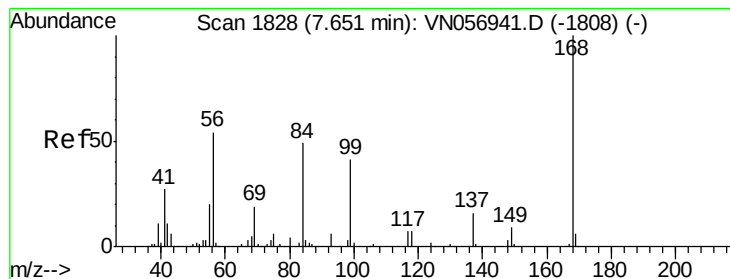
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057034.D

Acq: 1 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

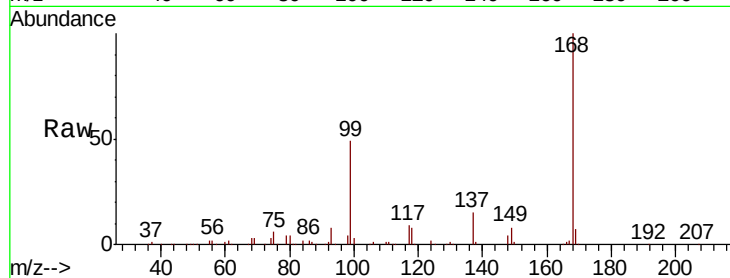
BP-VPB203-GW-458-460

Tot Ion:168 Resp: 569731

Ion Ratio Lower Upper

168 100

99 49.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

250000

200000

150000

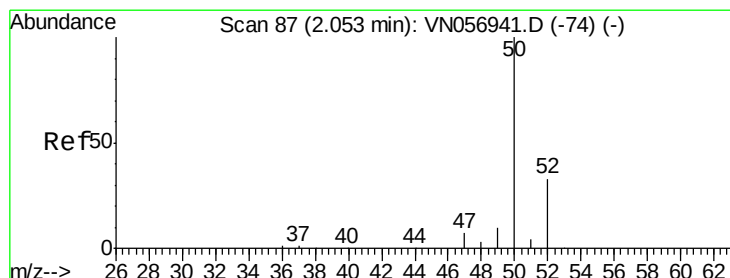
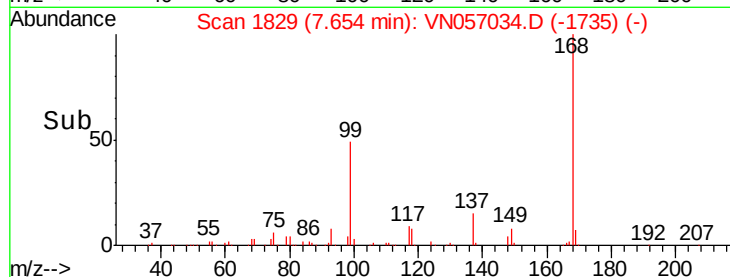
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.293 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057034.D

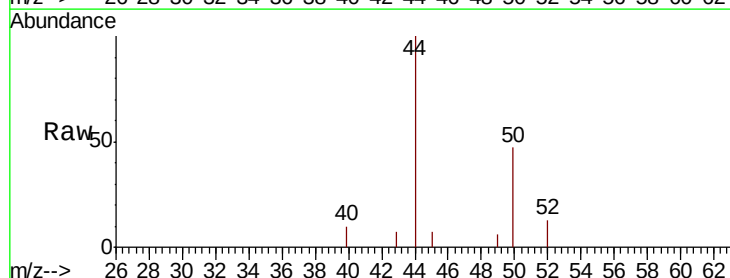
Acq: 1 Aug 2019 14:01

Tgt Ion: 50 Resp: 2019

Ion Ratio Lower Upper

50 100

52 27.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

1500

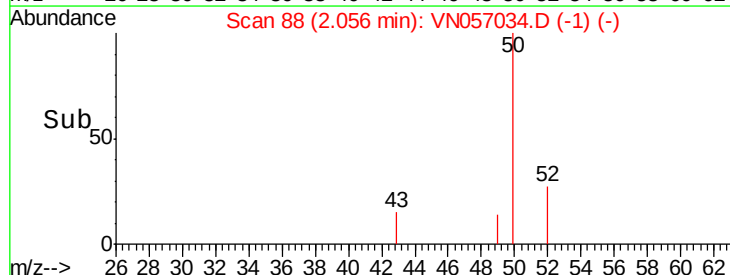
1000

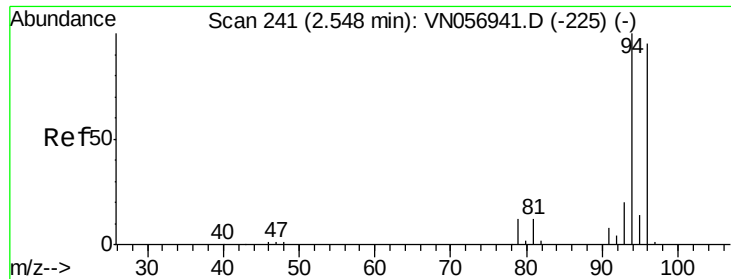
500

0

2.02 2.04 2.06 2.08 2.10

Time-->

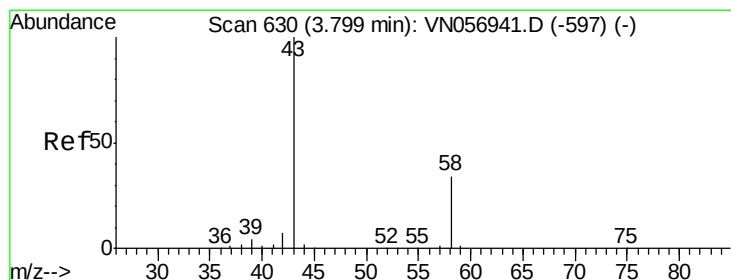
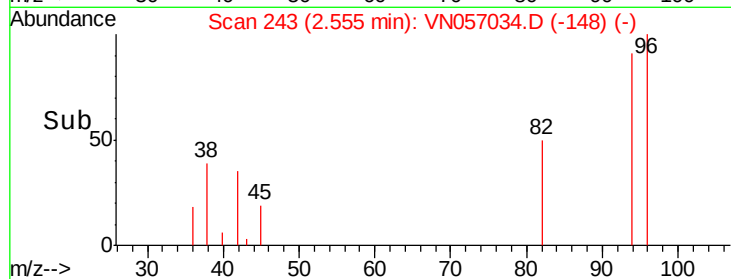
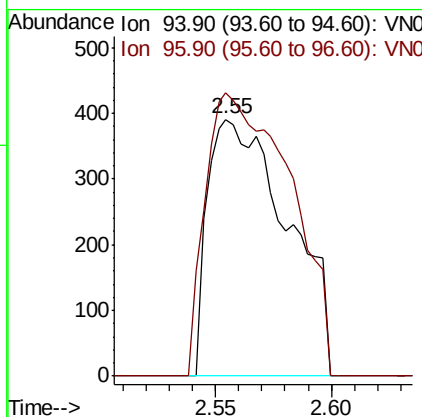
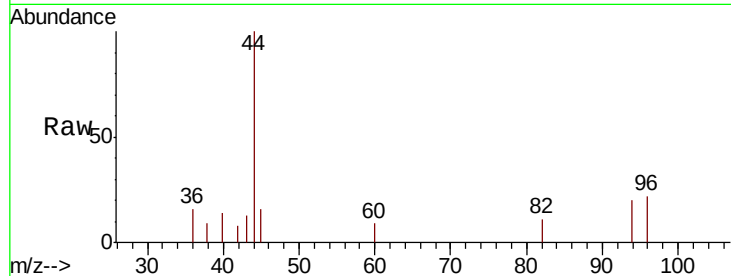




#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.55 min Scan# 243
Delta R.T. 0.01 min
Lab File: VN057034.D
Acq: 1 Aug 2019 14:01

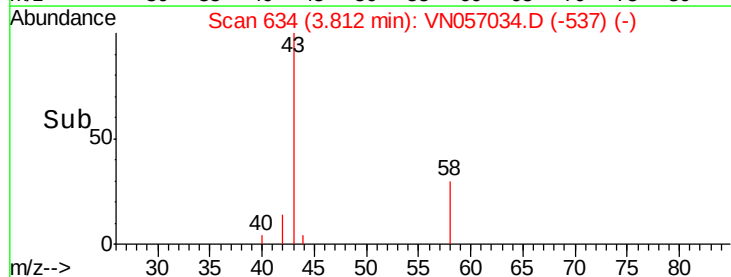
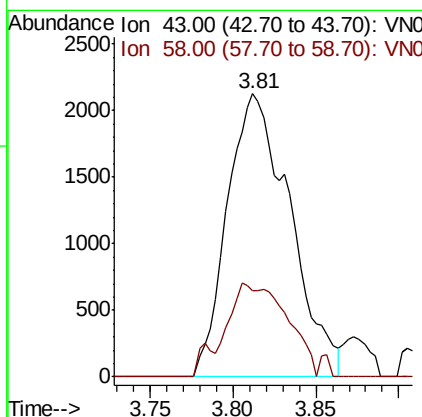
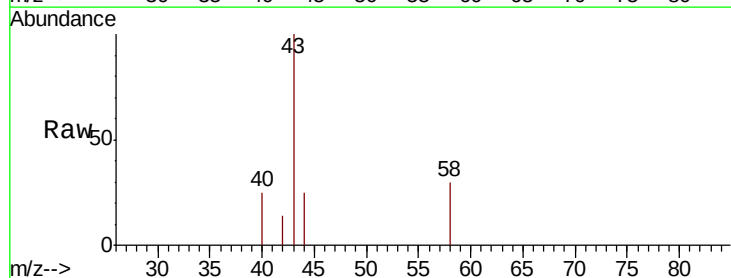
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-458-460

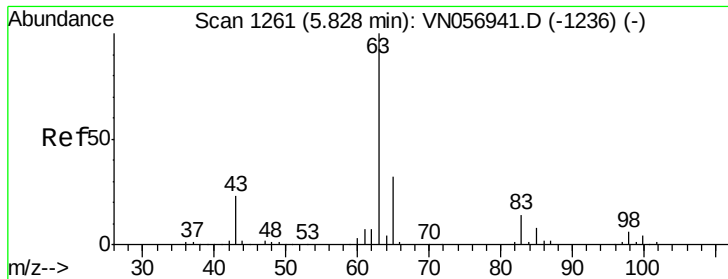
Tot Ion: 94 Resp: 937
Ion Ratio Lower Upper
94 100
96 110.2 76.2 114.2



#16
Acetone
Concen: 2.633 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.01 min
Lab File: VN057034.D
Acq: 1 Aug 2019 14:01

Tgt Ion: 43 Resp: 5562
Ion Ratio Lower Upper
43 100
58 30.3 27.2 40.8

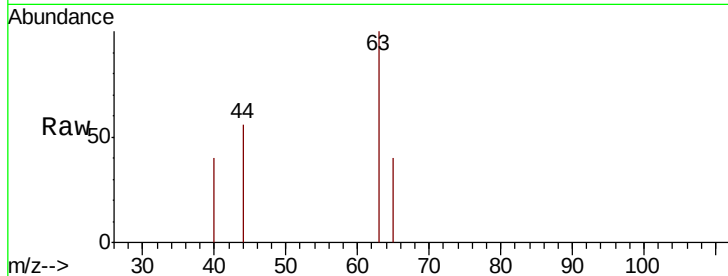




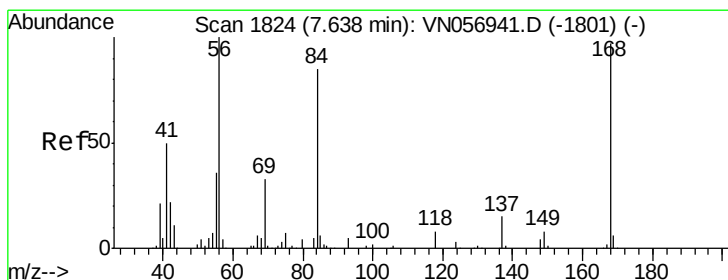
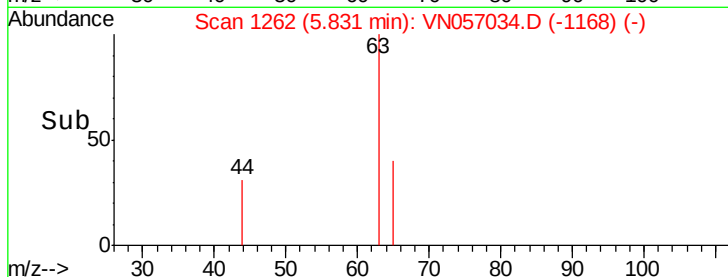
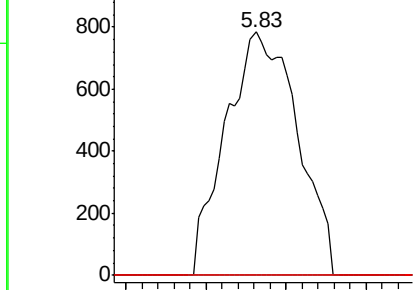
#24
 1,1-Dichloroethane
 Concen: 0.245 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057034.D
 Acq: 1 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-458-460

Tot Ion: 63 Resp: 2422
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.2 9.6#
 100 0.0 2.1 6.3#

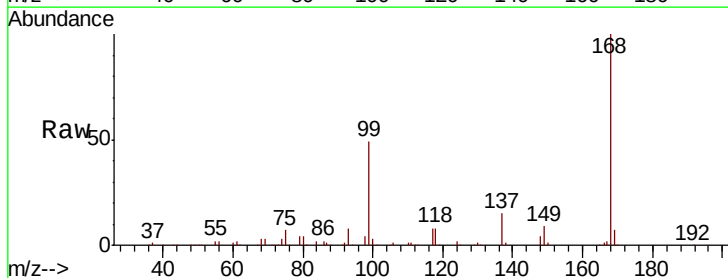


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

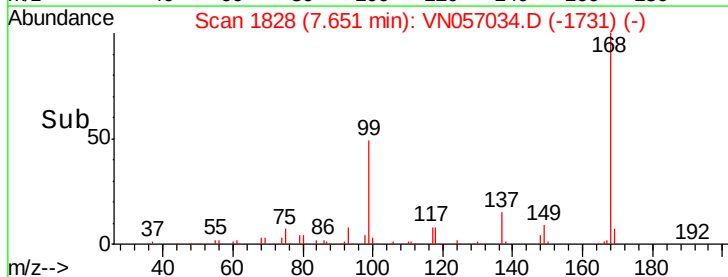
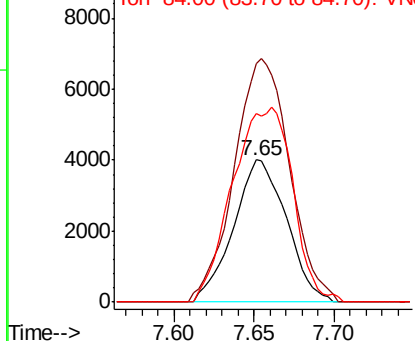


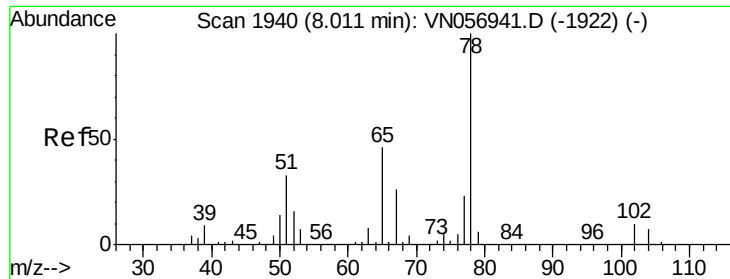
#31
 Cyclohexane
 Concen: 0.948 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: VN057034.D
 Acq: 1 Aug 2019 14:01

Tgt Ion: 56 Resp: 9083
 Ion Ratio Lower Upper
 56 100
 69 168.4 26.2 39.2#
 84 133.1 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: 58.510 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057034.D

Acq: 1 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

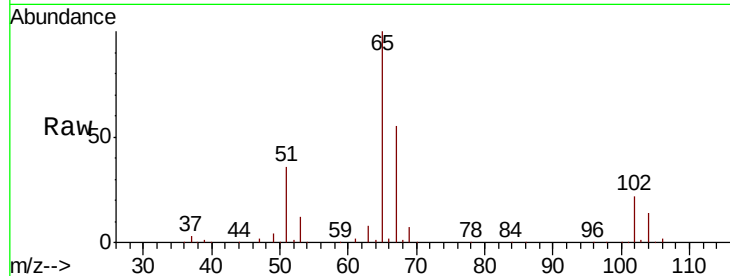
BP-VPB203-GW-458-460

Tot Ion: 65 Resp: 341234

Ion Ratio Lower Upper

65 100

67 54.8 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) (-)

8.02

150000

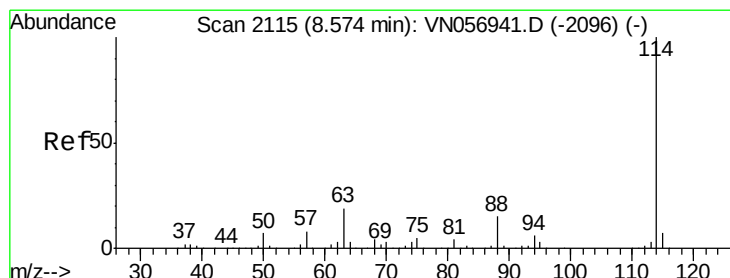
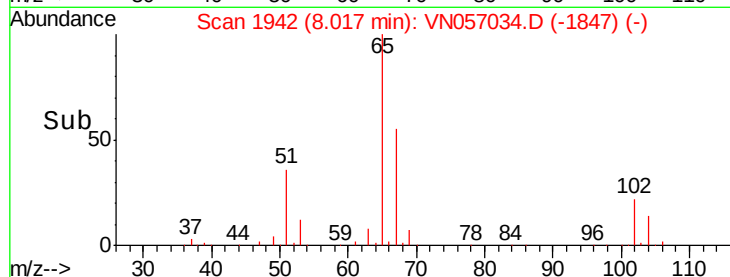
100000

50000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057034.D

Acq: 1 Aug 2019 14:01

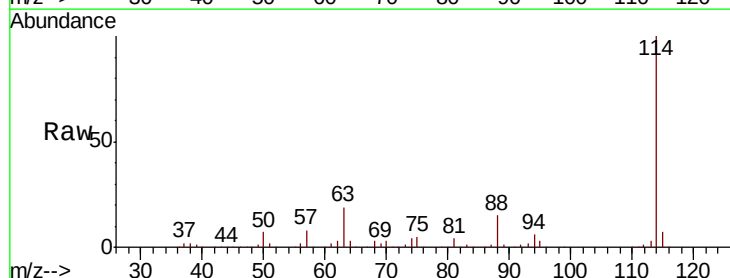
Tgt Ion:114 Resp: 817502

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN056941.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN056941.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN056941.D (-2096) (-)

8.58

500000

400000

300000

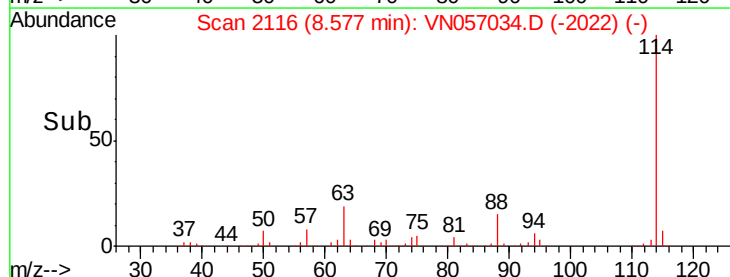
200000

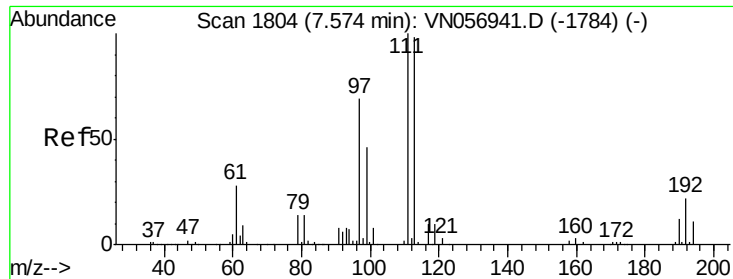
100000

0

Time-->

8.50 8.60 8.70

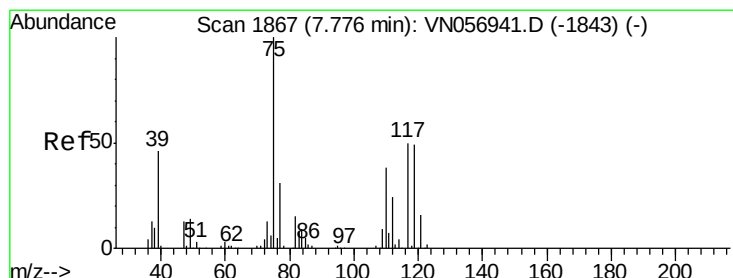
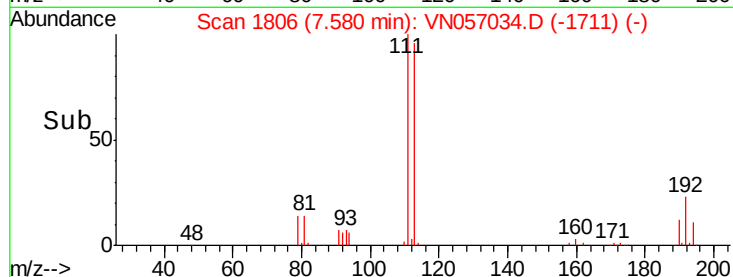
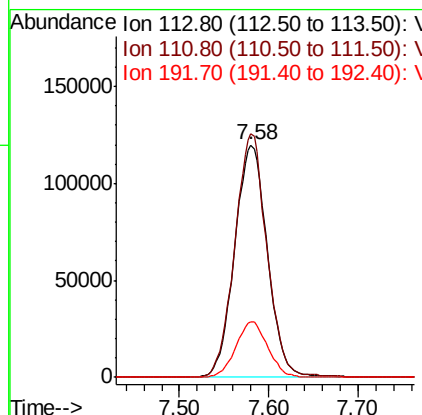
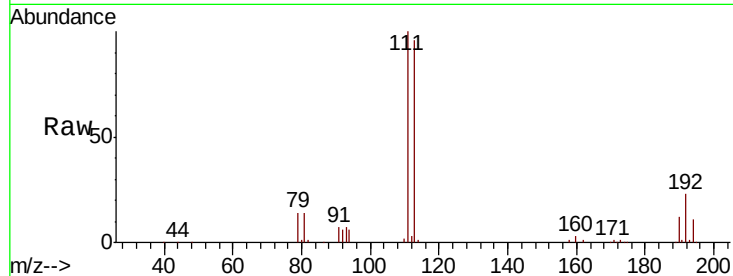




#35
 Dibromofluoromethane
 Concen: 58.260 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057034.D
 Acq: 1 Aug 2019 14:01

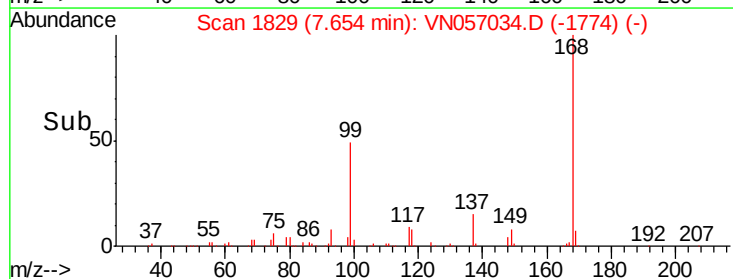
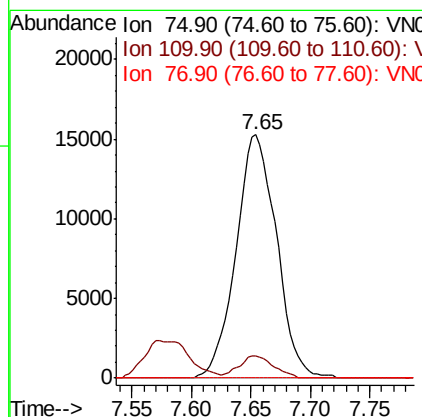
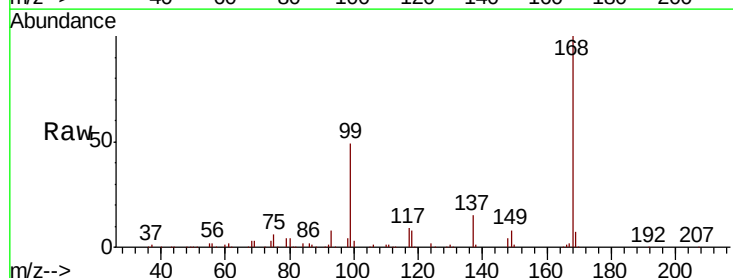
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 MSVOA_N
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 BP-VPB203-GW-458-460

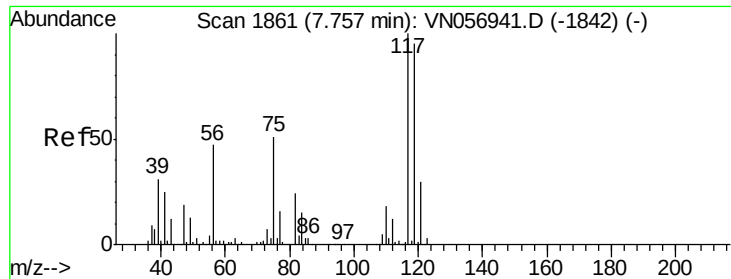
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	23.4	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057034.D
 Acq: 1 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.6	55.8#
77	0.0	25.2	37.8#

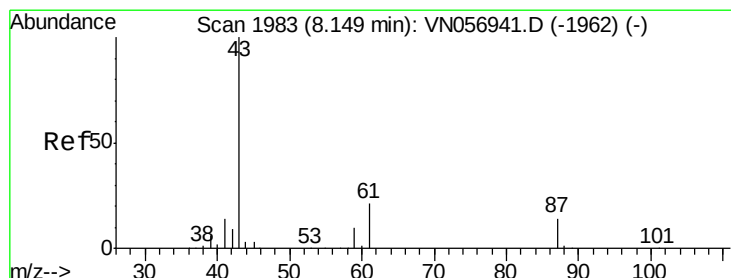
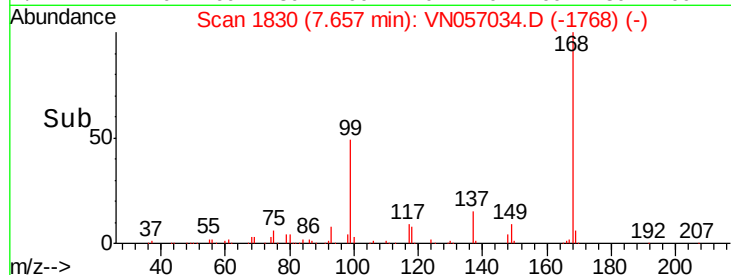
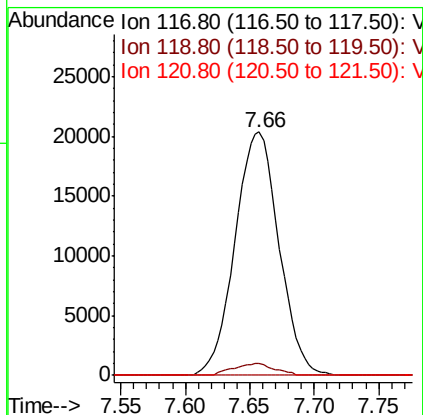
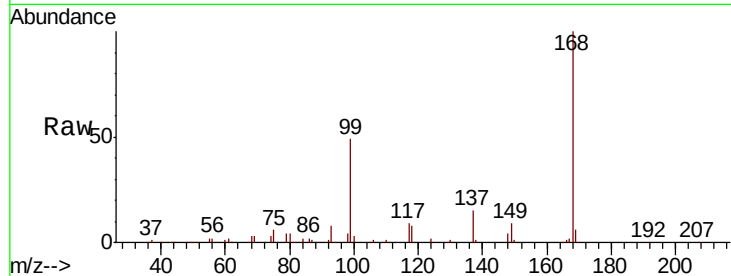




#38
Carbon Tetrachloride
Concen: 7.094 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.10 min
Lab File: VN057034.D
Acq: 1 Aug 2019 14:01

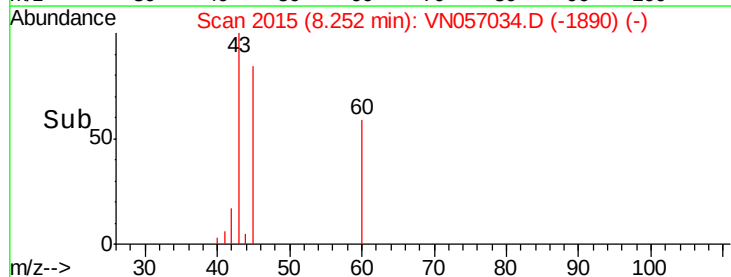
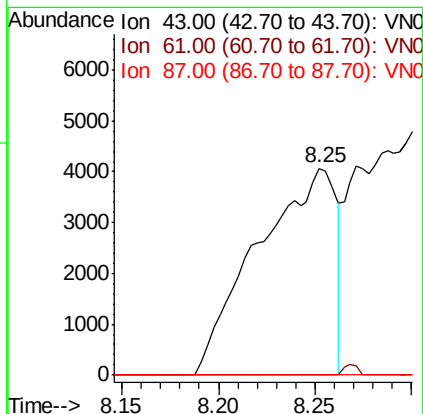
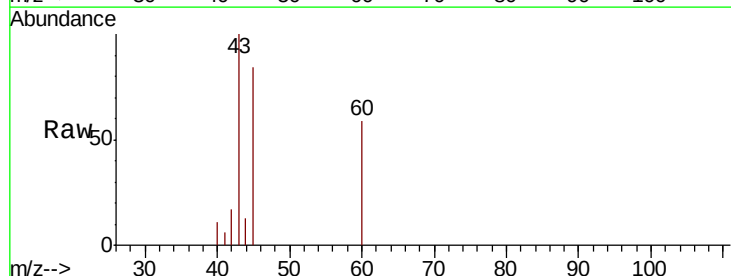
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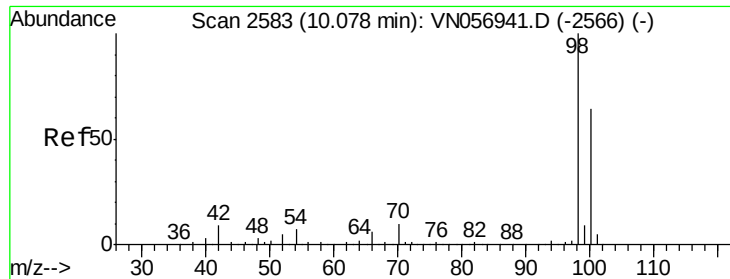
Tot Ion:117 Resp: 48272
Ion Ratio Lower Upper
117 100
119 4.7 75.3 112.9#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.203 ug/l
RT: 8.25 min Scan# 2015
Delta R.T. 0.10 min
Lab File: VN057034.D
Acq: 1 Aug 2019 14:01

Tgt Ion: 43 Resp: 11453
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#
87 0.0 11.7 17.5#





#50

Toluene-d8

Concen: 57.749 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057034.D

Acq: 1 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

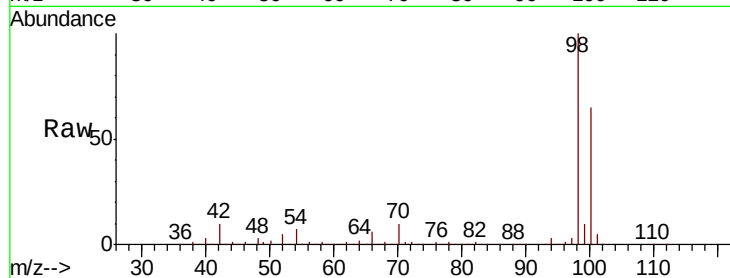
BP-VPB203-GW-458-460

Tot Ion: 98 Resp: 1152525

Ion Ratio Lower Upper

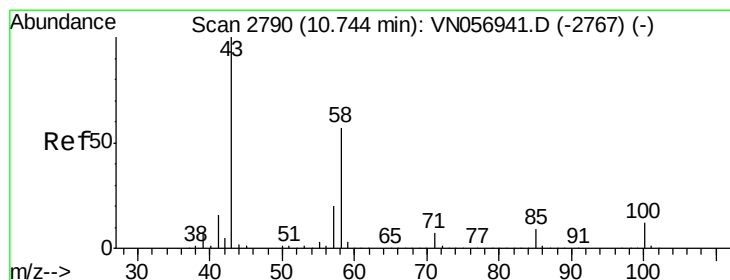
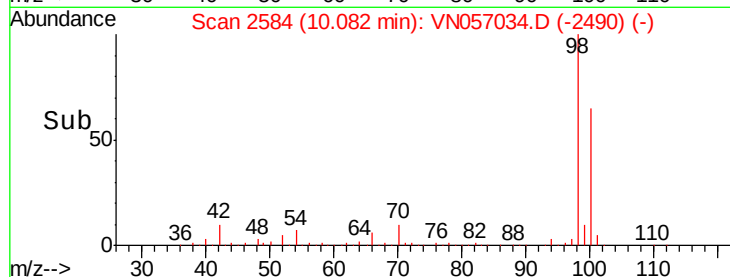
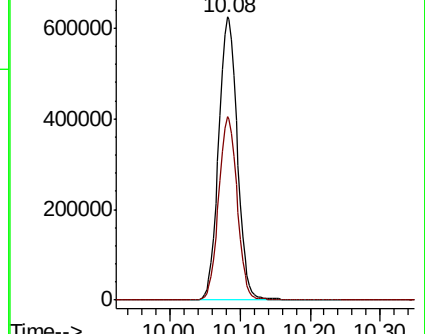
98 100

100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 2.619 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN057034.D

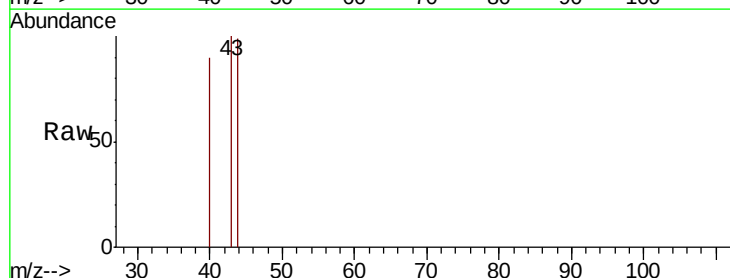
Acq: 1 Aug 2019 14:01

Tgt Ion: 43 Resp: 526

Ion Ratio Lower Upper

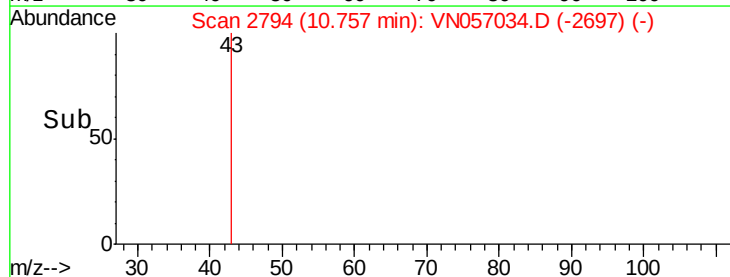
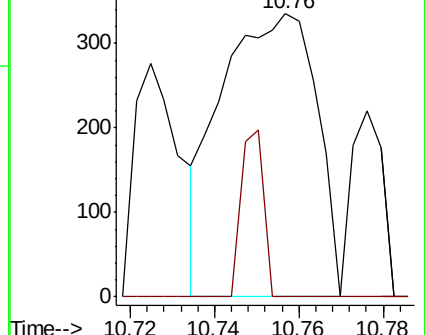
43 100

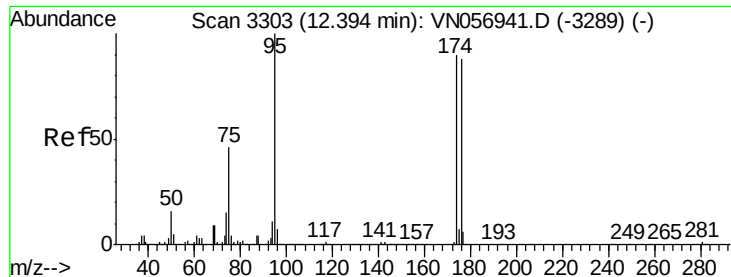
58 14.1 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.635 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057034.D

Acq: 1 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-458-460

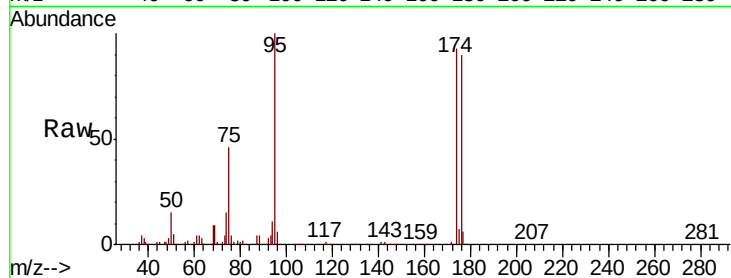
Tot Ion: 95 Resp: 296491

Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.2

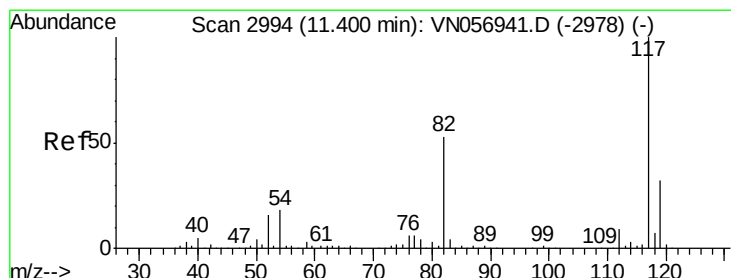
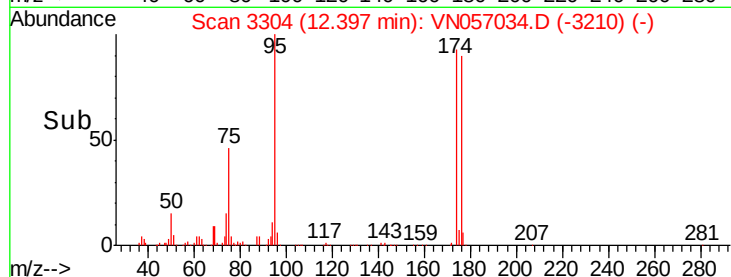
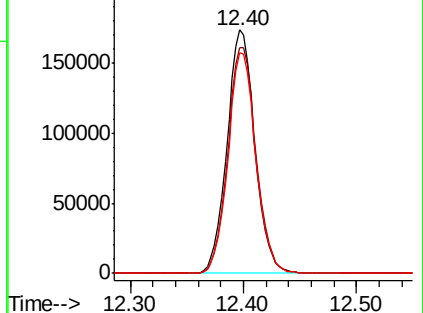
176 90.7 0.0 179.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN057034.D

Acq: 1 Aug 2019 14:01

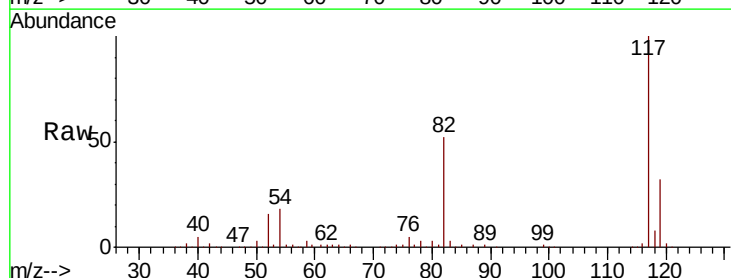
Tgt Ion: 117 Resp: 673498

Ion Ratio Lower Upper

117 100

82 51.7 42.2 63.4

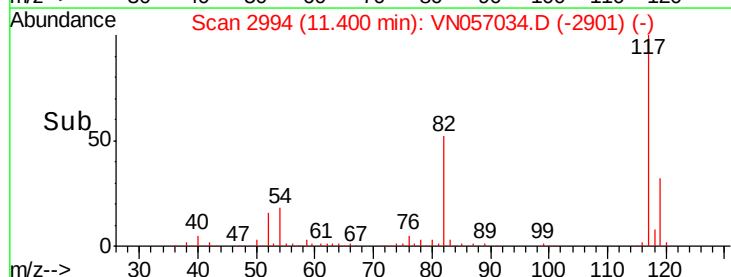
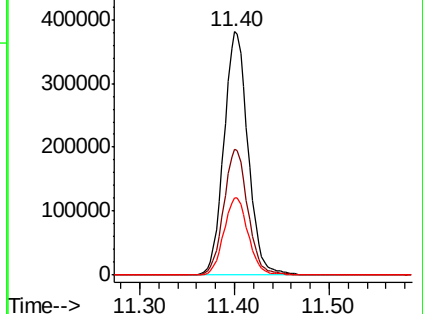
119 31.9 25.8 38.6

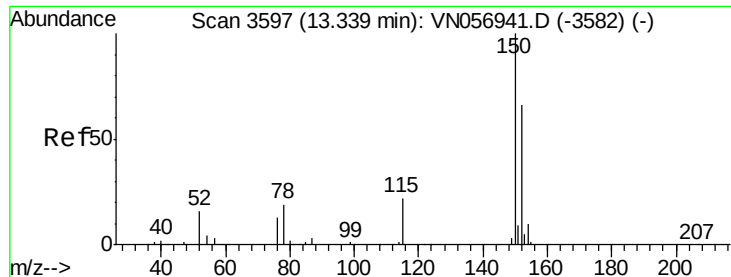


Abundance Ion 116.90 (116.60 to 117.60): VN056941.D (-2978) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057034.D

Acq: 1 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-458-460

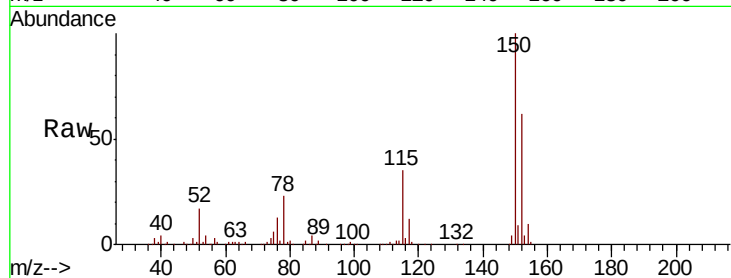
Tot Ion:152 Resp: 178051

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

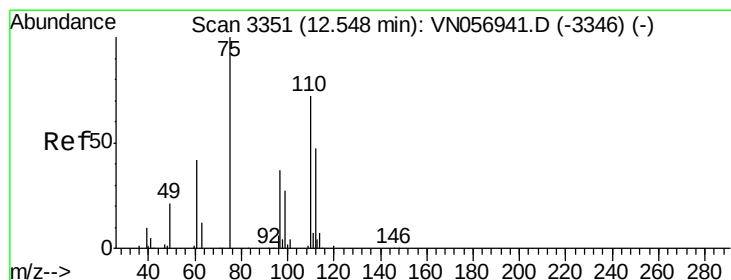
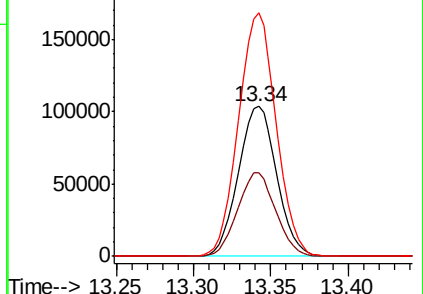
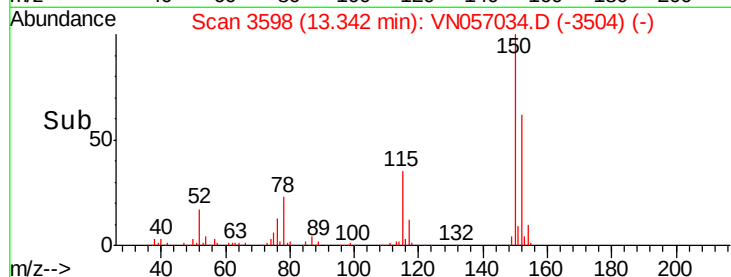
150 160.1 0.0 349.4



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: 37.750 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057034.D

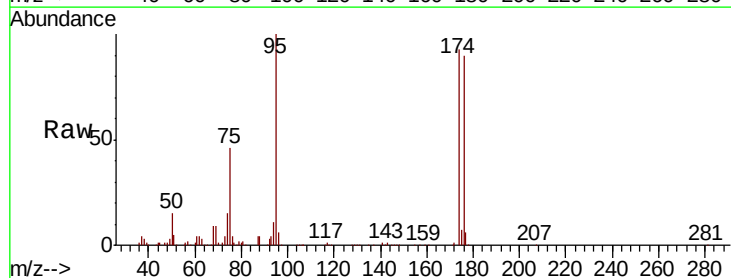
Acq: 1 Aug 2019 14:01

Tgt Ion: 75 Resp: 136502

Ion Ratio Lower Upper

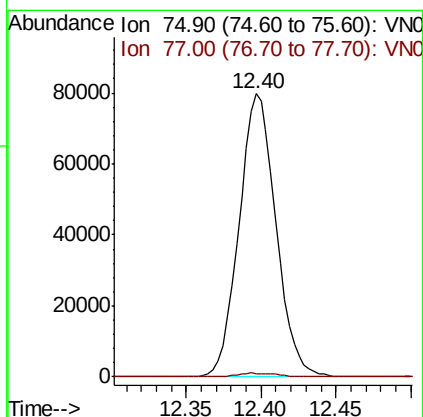
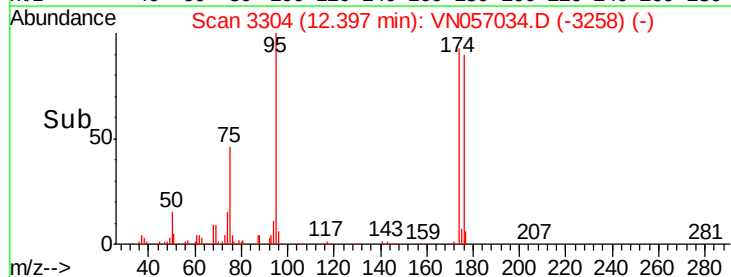
75 100

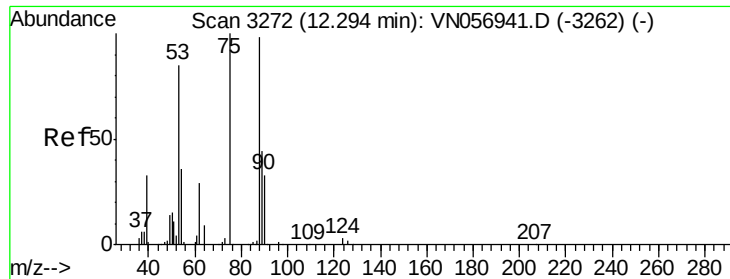
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

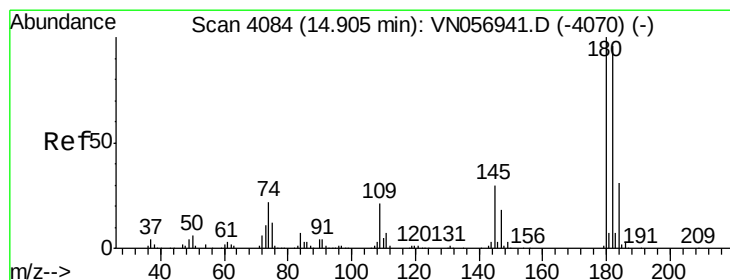
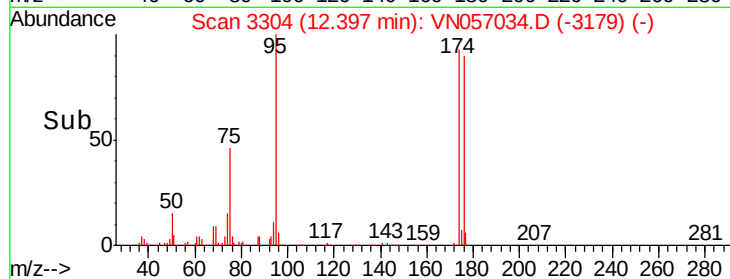
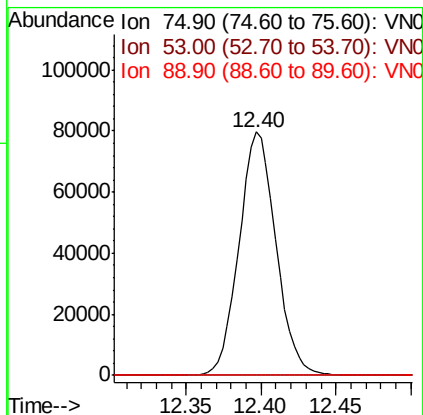
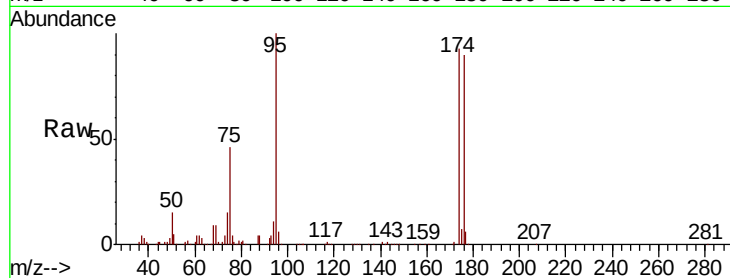




#81
trans-1,4-Dichloro-2-butene
Concen: 121.291 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN057034.D
Acq: 1 Aug 2019 14:01

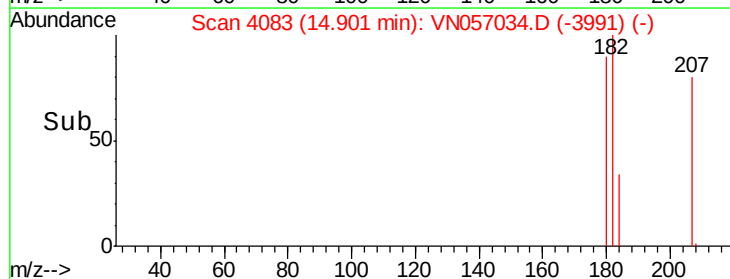
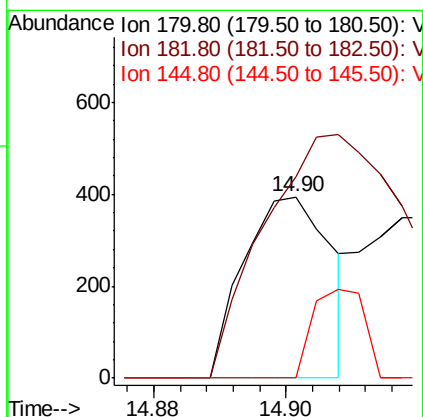
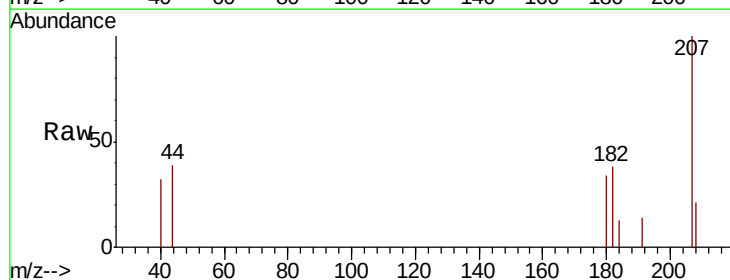
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-458-460

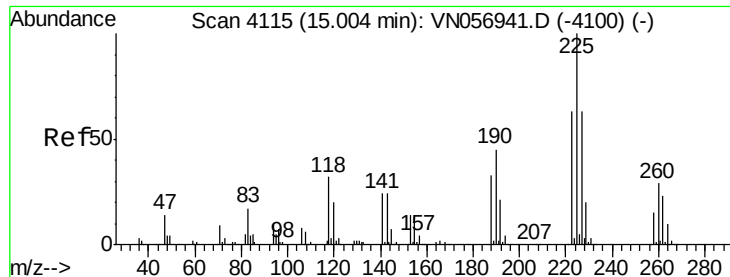
Tot Ion: 75 Resp: 136502
Ion Ratio Lower Upper
75 100
53 0.0 69.3 103.9#
89 0.0 35.8 53.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.821 ug/l
RT: 14.90 min Scan# 4083
Delta R.T. -0.00 min
Lab File: VN057034.D
Acq: 1 Aug 2019 14:01

Tgt Ion: 180 Resp: 360
Ion Ratio Lower Upper
180 100
182 220.6 47.6 142.8#
145 29.4 14.2 42.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN057034.D

Acq: 1 Aug 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-458-460

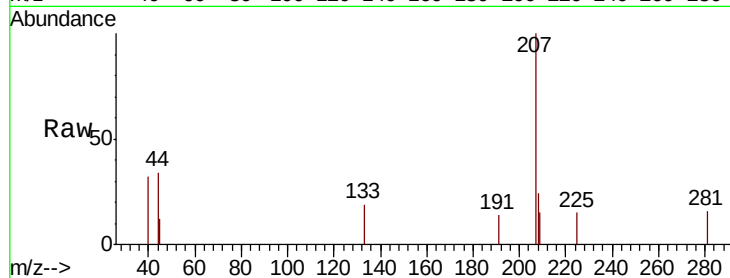
Tot Ion:225 Resp: 66

Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.4#

227 0.0 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

15.01

15.01

15.01

15.01

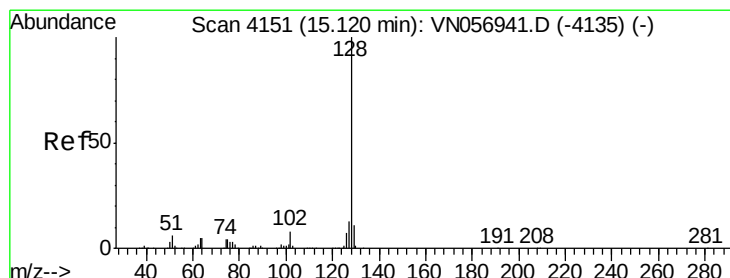
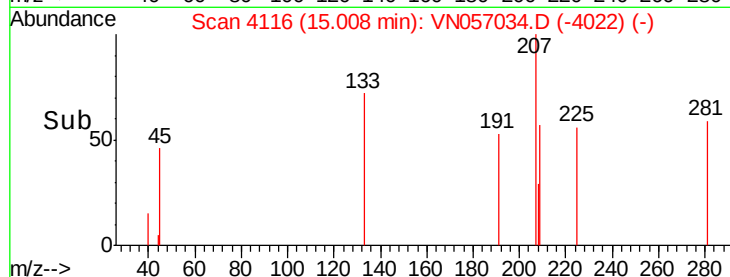
15.01

15.01

15.01

15.01

Time--> 14.99 15.00 15.01



#95

Naphthalene

Concen: 3.746 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057034.D

Acq: 1 Aug 2019 14:01

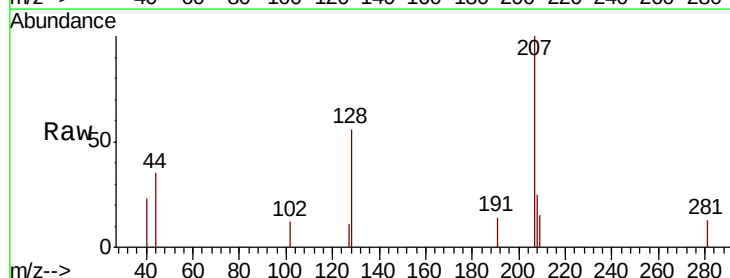
Tgt Ion:128 Resp: 1287

Ion Ratio Lower Upper

128 100

127 11.1 10.0 15.0

129 2.4 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

15.12

15.12

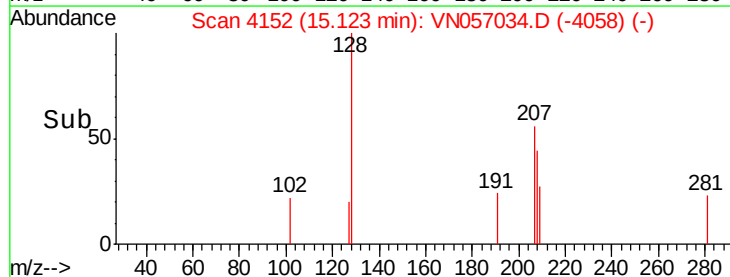
15.12

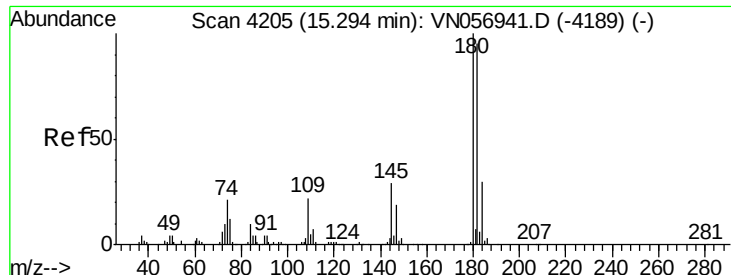
15.12

15.12

15.12

Time--> 15.10 15.15





#96
 1,2,3-Trichlorobenzene
 Concen: 2.295 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN057034.D
 Acq: 1 Aug 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-458-460

Tot Ion	Ratio	Lower	Upper
180	100		
182	47.1	48.0	144.2#
145	0.0	15.0	45.0#

