

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057042.D
 Acq On : 1 Aug 2019 17:08
 Operator : JC/SP
 Sample : K4097-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Aug 02 05:15:12 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	564447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	816528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	676236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190569	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	319532	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
35) Dibromofluoromethane	7.58	113	290305	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
50) Toluene-d8	10.08	98	1092513	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.40	95	289358	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

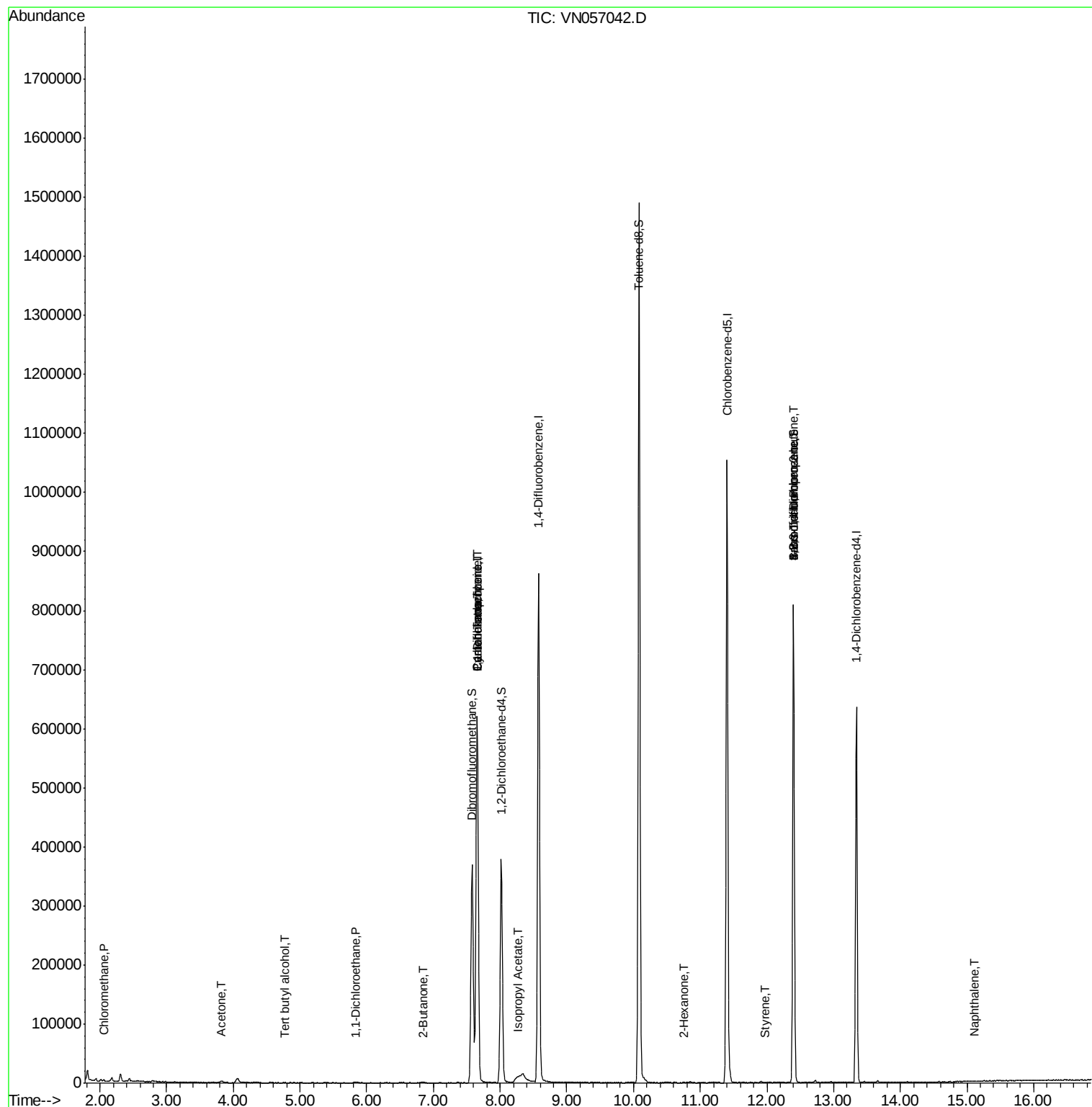
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1737	0.254	ug/l	90
11) Tert butyl alcohol	4.77	59	224	0.287	ug/l #	74
16) Acetone	3.82	43	5749	2.746	ug/l	95
24) 1,1-Dichloroethane	5.83	63	2097	0.214	ug/l #	84
25) 2-Butanone	6.85	43	718	0.242	ug/l #	48
31) Cyclohexane	7.65	56	8977	0.946	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34514	4.804	ug/l #	48
38) Carbon Tetrachloride	7.65	117	47664	7.013	ug/l #	17
43) Isopropyl Acetate	8.27	43	10775	1.133	ug/l #	52
59) 2-Hexanone	10.75	43	202	2.546	ug/l #	23
70) Styrene	11.97	104	29	1.869	ug/l #	26
71) Bromoform	12.40	173	2508	0.692	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	134423	34.733	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	134423	111.597	ug/l #	15
95) Naphthalene	15.12	128	135	3.603	ug/l #	70

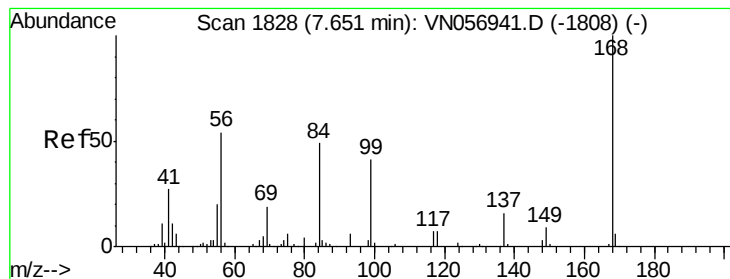
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057042.D

Acq: 1 Aug 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

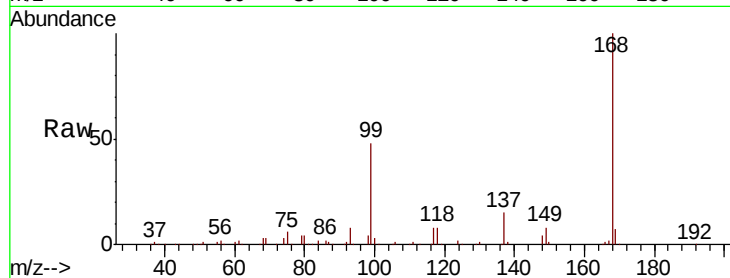
BP-VPB203-GW-458-460

Tot Ion:168 Resp: 564447

Ion Ratio Lower Upper

168 100

99 47.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

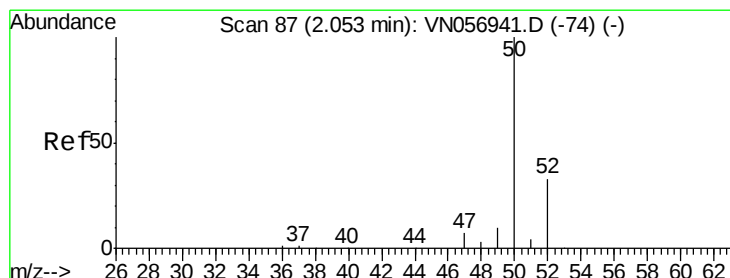
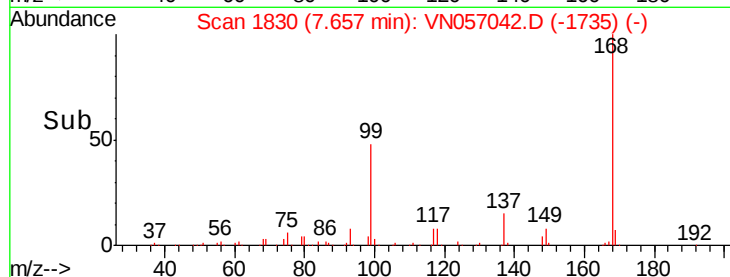
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.254 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057042.D

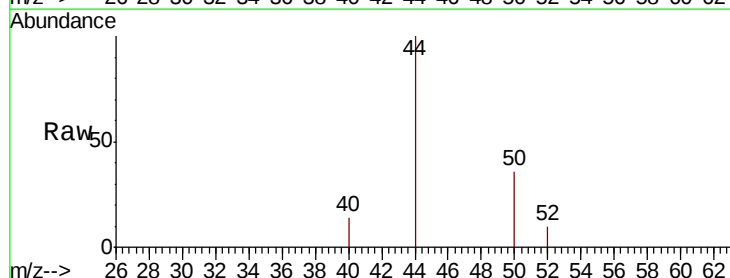
Acq: 1 Aug 2019 17:08

Tgt Ion: 50 Resp: 1737

Ion Ratio Lower Upper

50 100

52 26.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

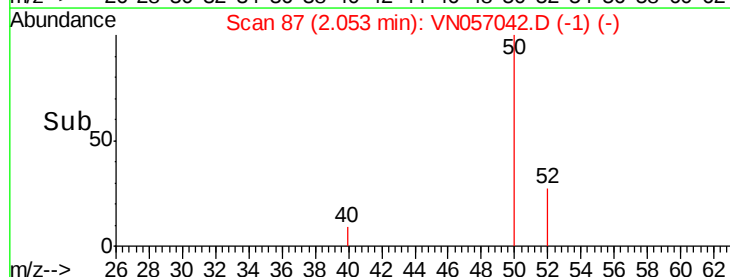
2.05

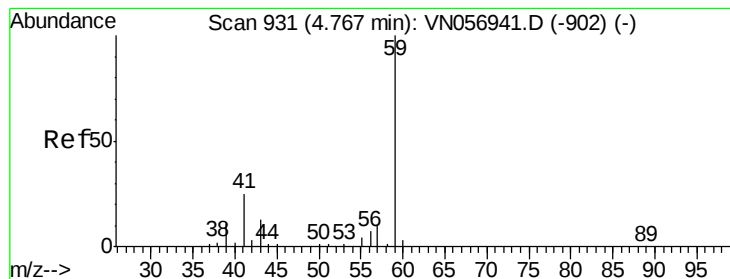
1000

500

0

Time-->



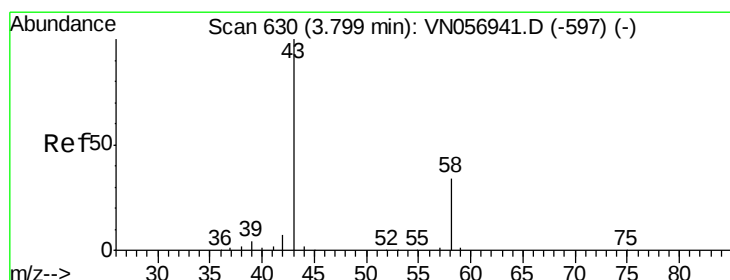
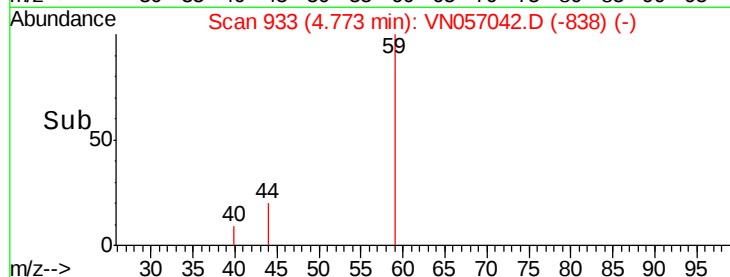
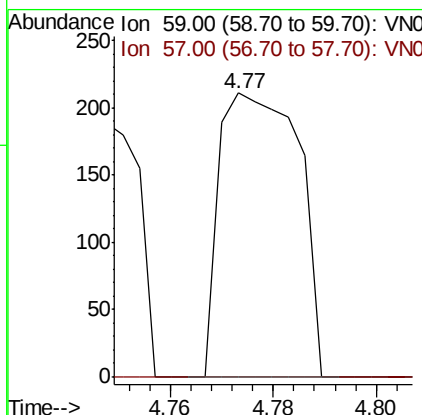
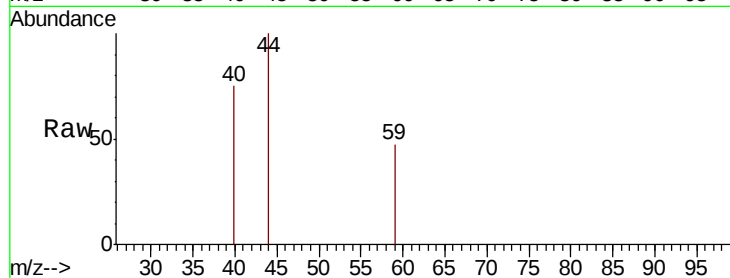


#11

Tert butyl alcohol
 Concen: 0.287 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057042.D
 Acq: 1 Aug 2019 17:08

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

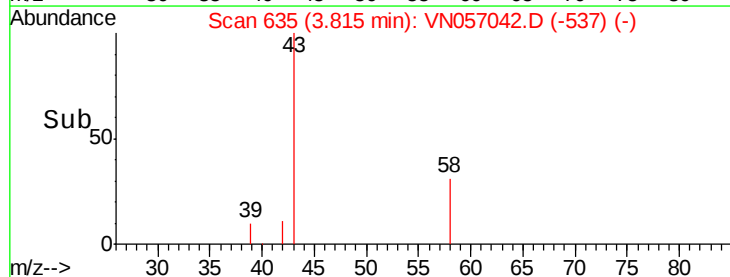
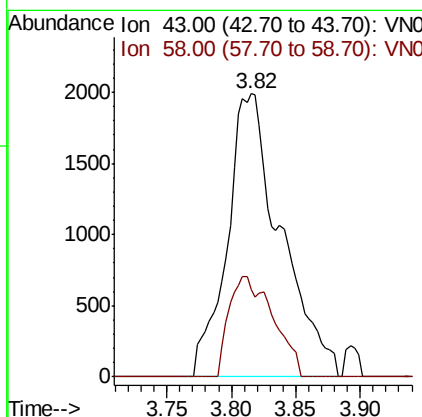
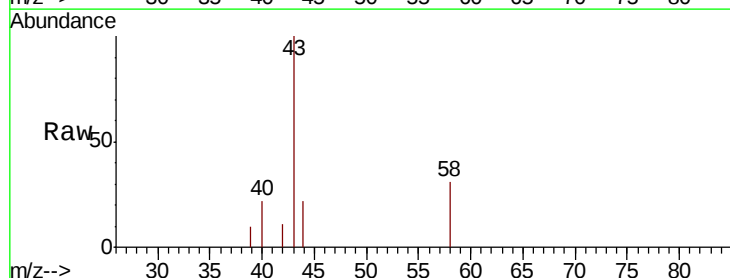
Tot Ion: 59 Resp: 224
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

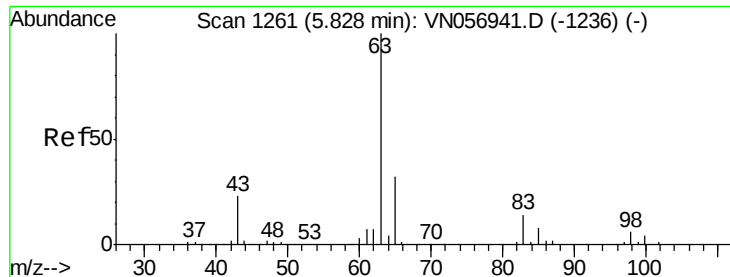


#16

Acetone
 Concen: 2.746 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.02 min
 Lab File: VN057042.D
 Acq: 1 Aug 2019 17:08

Tgt Ion: 43 Resp: 5749
 Ion Ratio Lower Upper
 43 100
 58 30.9 27.2 40.8





#24

1,1-Dichloroethane

Concen: 0.214 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057042.D

Acq: 1 Aug 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-458-460

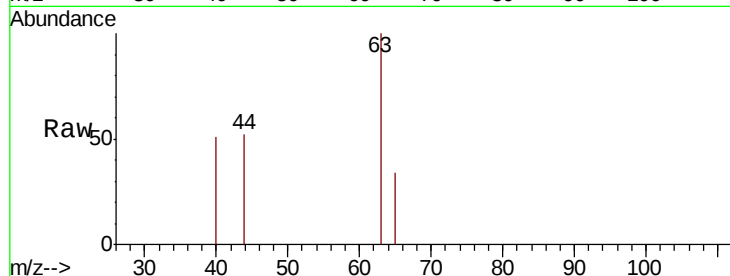
Tot Ion: 63 Resp: 2097

Ion Ratio Lower Upper

63 100

98 0.0 3.2 9.6#

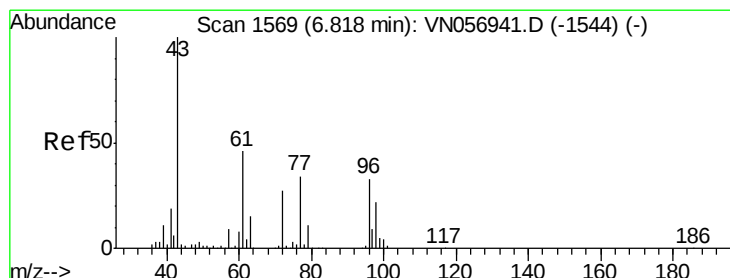
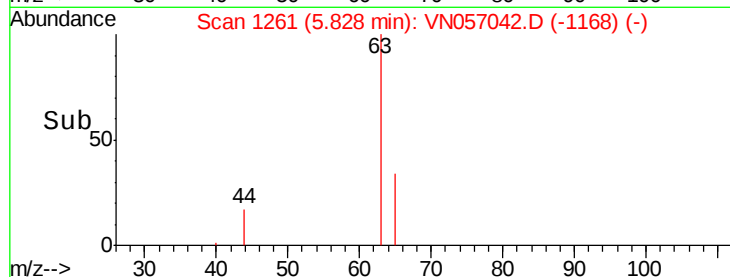
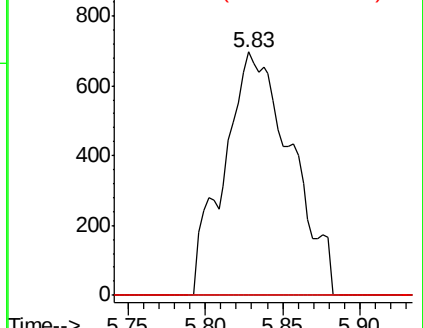
100 0.0 2.1 6.3#



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



#25

2-Butanone

Concen: 0.242 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.04 min

Lab File: VN057042.D

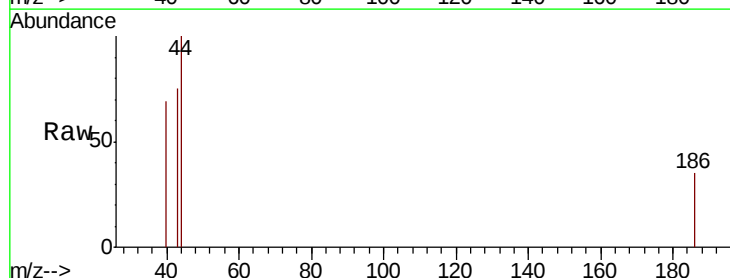
Acq: 1 Aug 2019 17:08

Tgt Ion: 43 Resp: 718

Ion Ratio Lower Upper

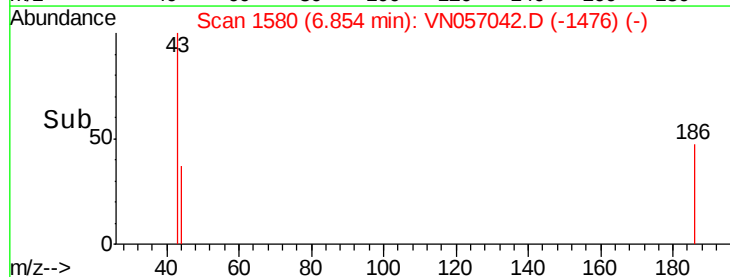
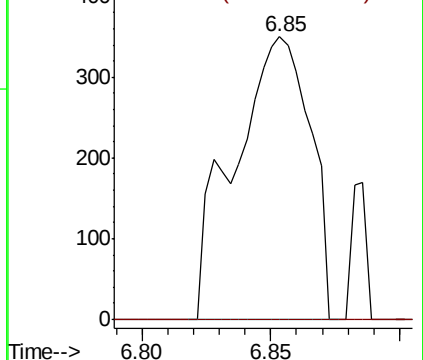
43 100

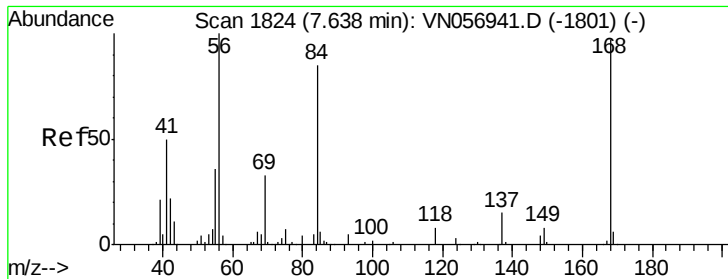
72 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 0.946 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN057042.D

Acq: 1 Aug 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-458-460

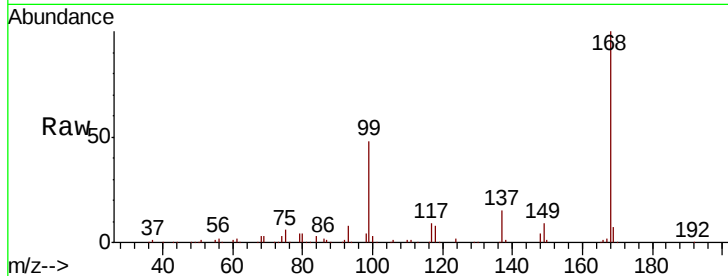
Tot Ion: 56 Resp: 8977

Ion Ratio Lower Upper

56 100

69 175.8 26.2 39.2#

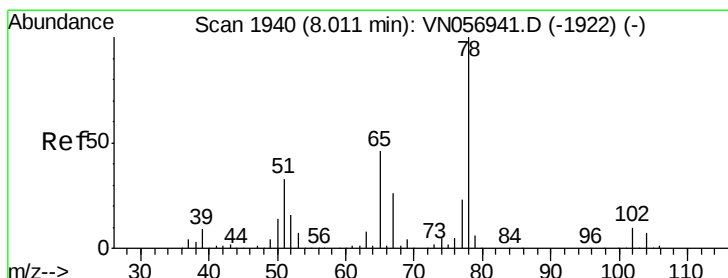
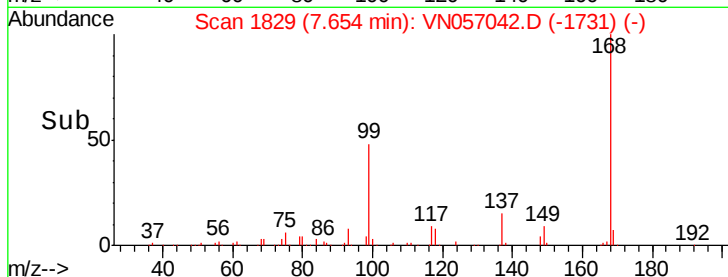
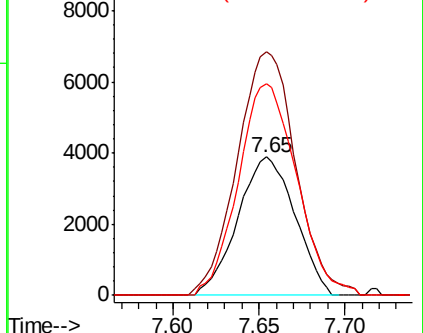
84 152.7 68.2 102.2#



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) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.302 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057042.D

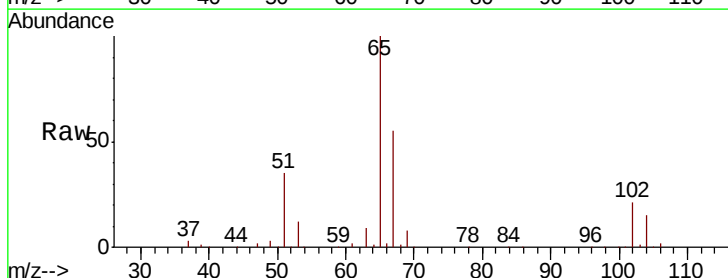
Acq: 1 Aug 2019 17:08

Tgt Ion: 65 Resp: 319532

Ion Ratio Lower Upper

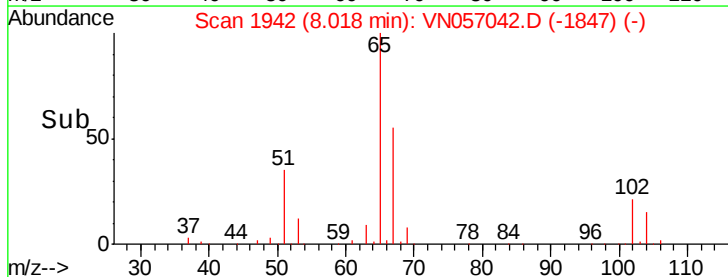
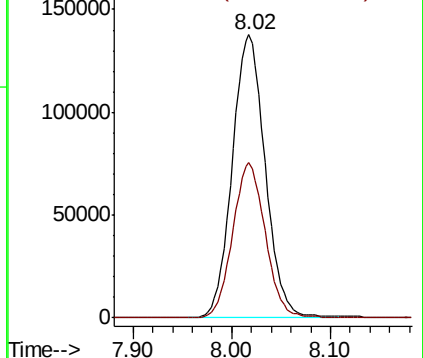
65 100

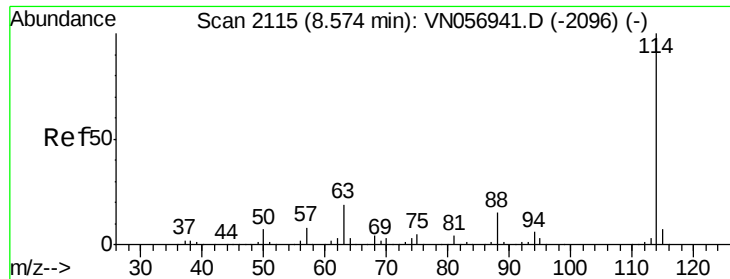
67 54.3 0.0 112.0



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

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

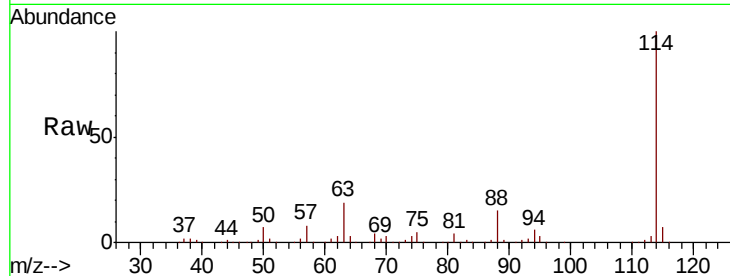




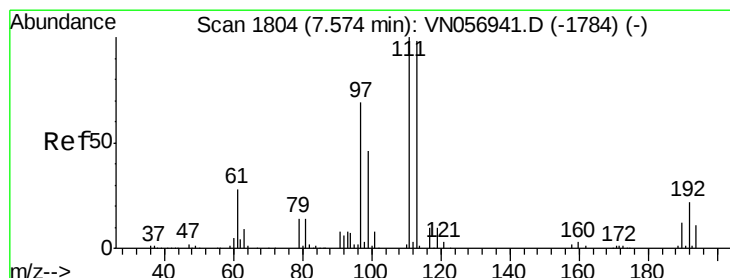
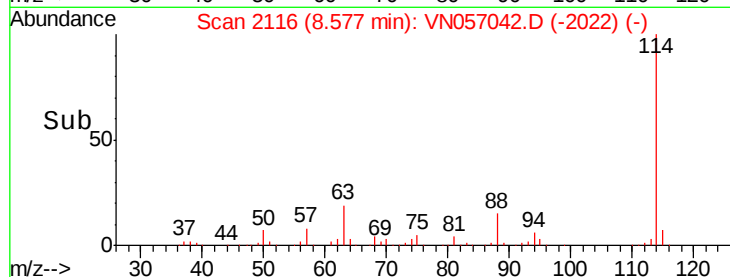
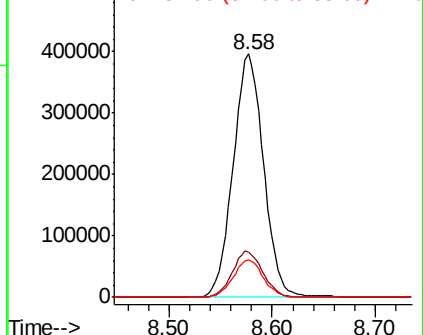
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057042.D
 Acq: 1 Aug 2019 17:08

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.0
88	15.3	0.0	30.0

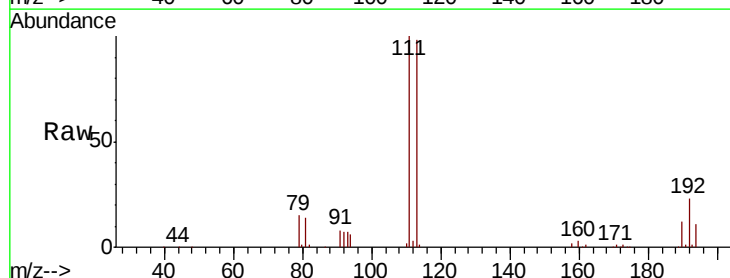


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

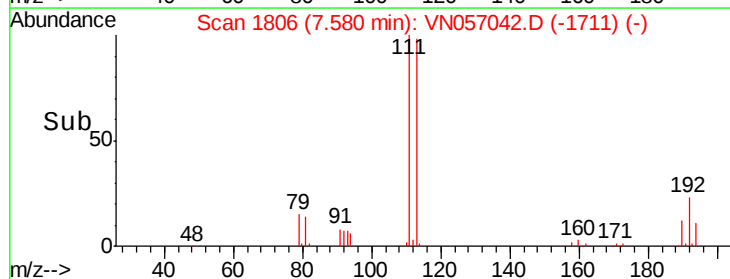
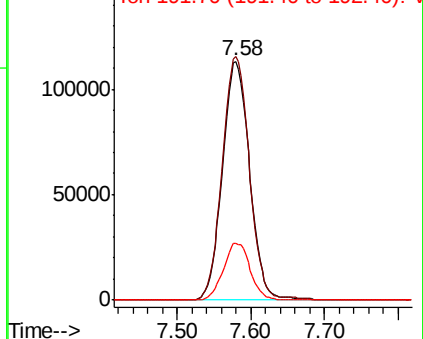


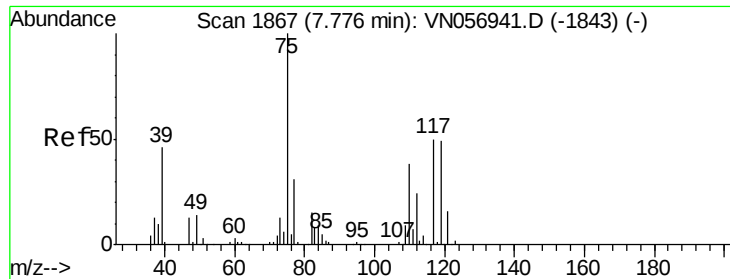
#35
 Dibromofluoromethane
 Concen: 55.538 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057042.D
 Acq: 1 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	23.5	18.4	27.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.804 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN057042.D

Acq: 1 Aug 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-458-460

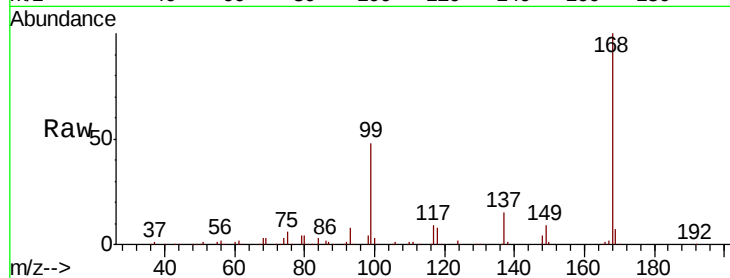
Tot Ion: 75 Resp: 34514

Ion Ratio Lower Upper

75 100

110 8.9 18.6 55.8#

77 0.0 25.2 37.8#

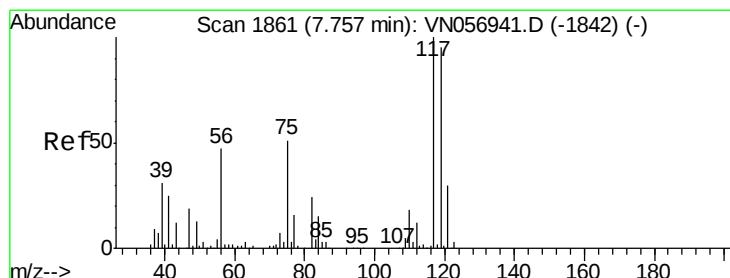
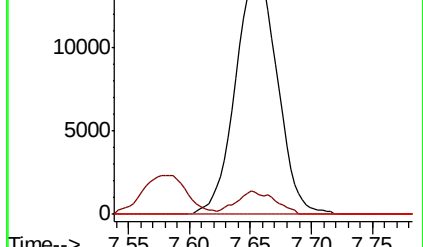
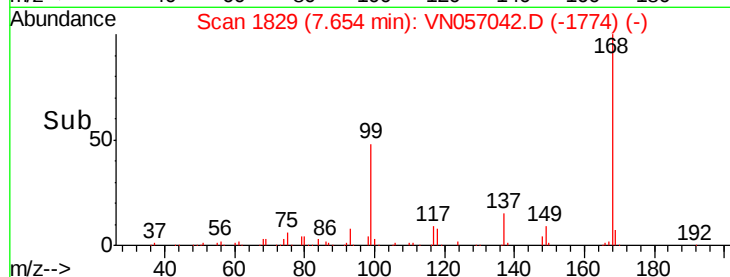


Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-1843) (-)

Ion 109.90 (109.60 to 110.60): VN056941.D (-1843) (-)

Ion 76.90 (76.60 to 77.60): VN056941.D (-1843) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.013 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057042.D

Acq: 1 Aug 2019 17:08

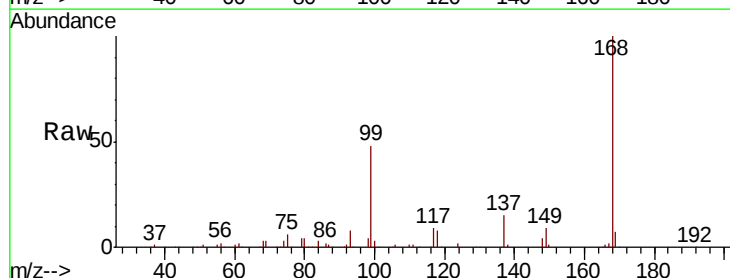
Tgt Ion: 117 Resp: 47664

Ion Ratio Lower Upper

117 100

119 5.7 75.3 112.9#

121 0.0 24.2 36.4#

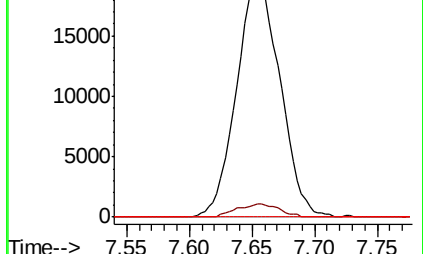
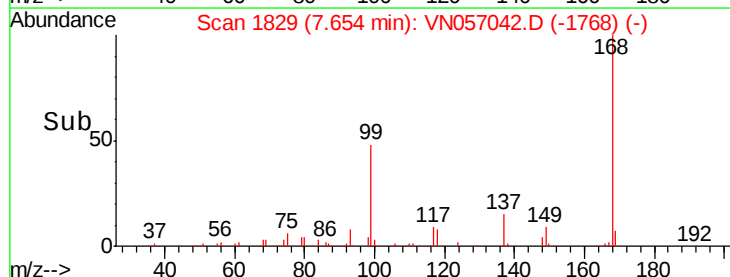


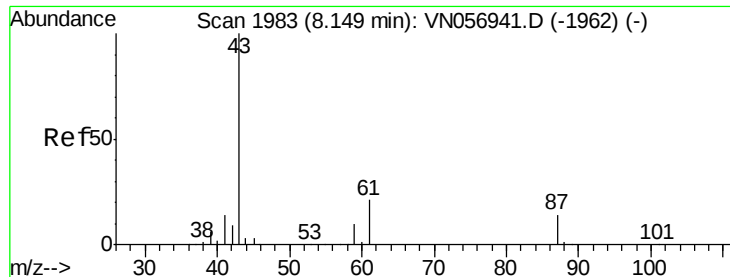
Abundance Ion 116.80 (116.50 to 117.50): VN056941.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN056941.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN056941.D (-1842) (-)

Time-->





#43

Isopropyl Acetate

Concen: 1.133 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.12 min

Lab File: VN057042.D

Acq: 1 Aug 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-458-460

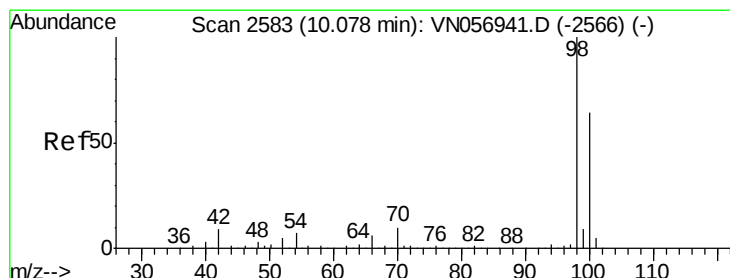
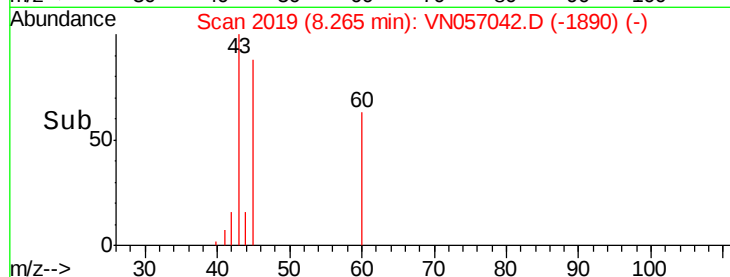
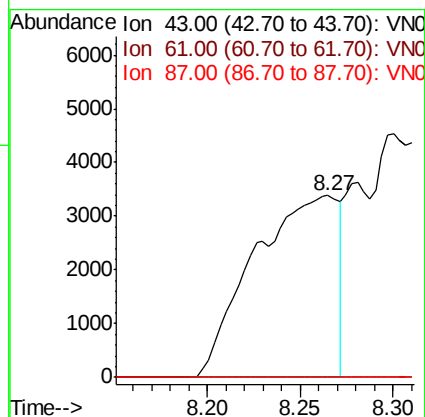
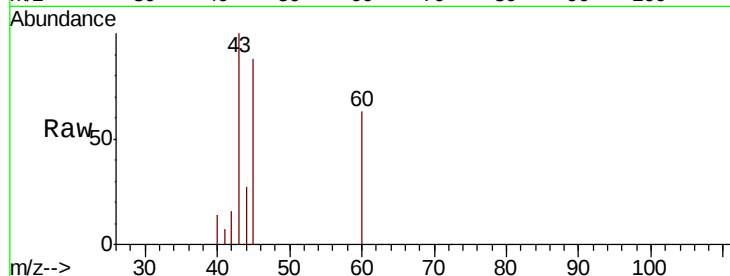
Tot Ion: 43 Resp: 10775

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

87 0.0 11.7 17.5#



#50

Toluene-d8

Concen: 54.808 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057042.D

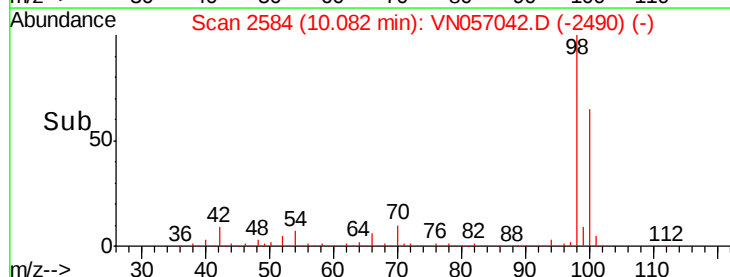
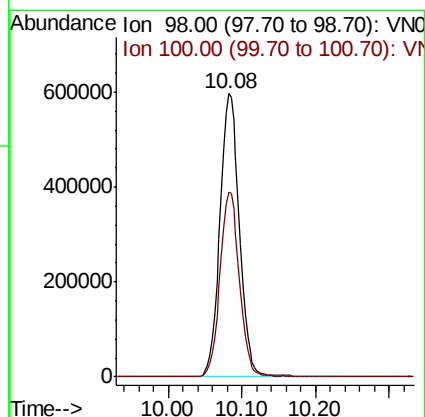
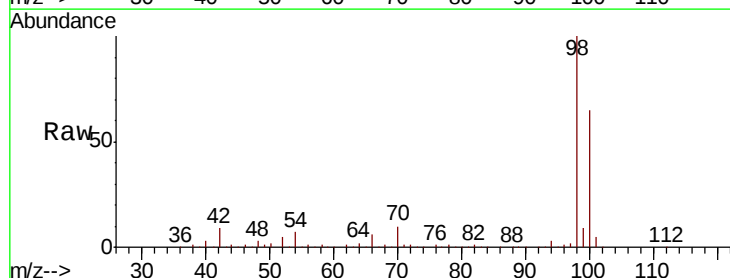
Acq: 1 Aug 2019 17:08

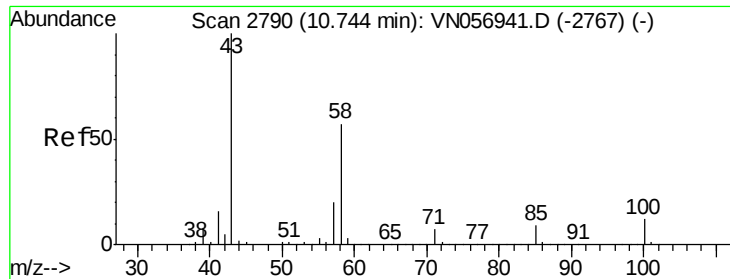
Tgt Ion: 98 Resp: 1092513

Ion Ratio Lower Upper

98 100

100 64.7 51.3 76.9

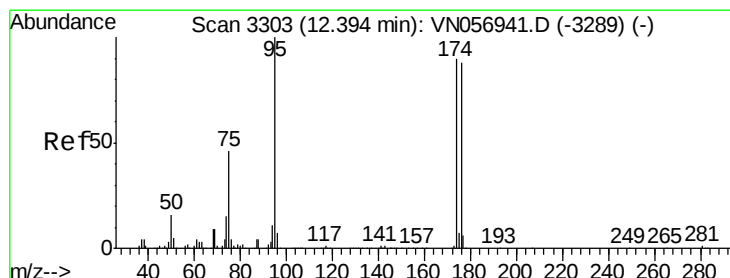
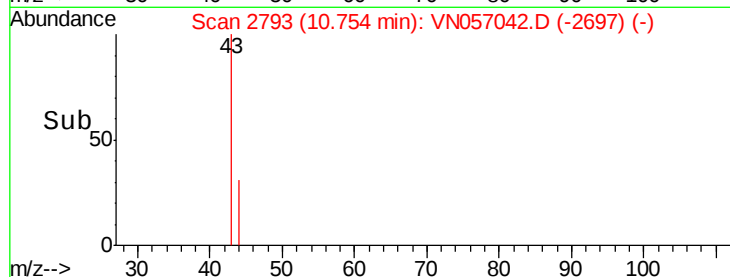
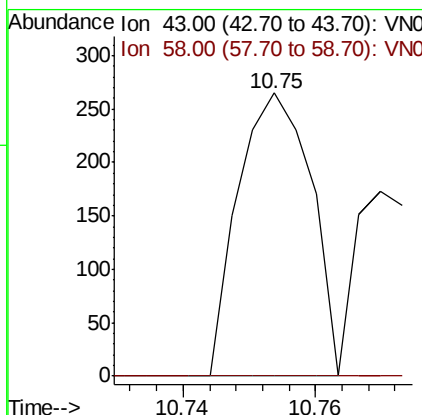
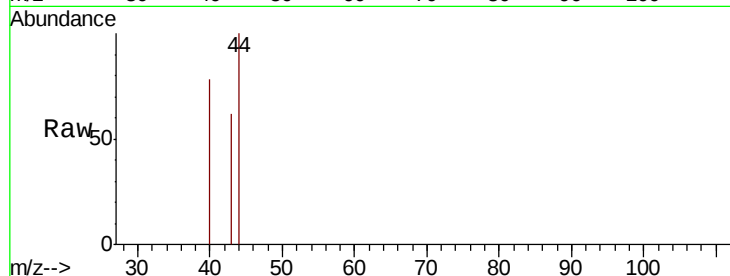




#59
2-Hexanone
Concen: 2.546 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN057042.D
Acq: 1 Aug 2019 17:08

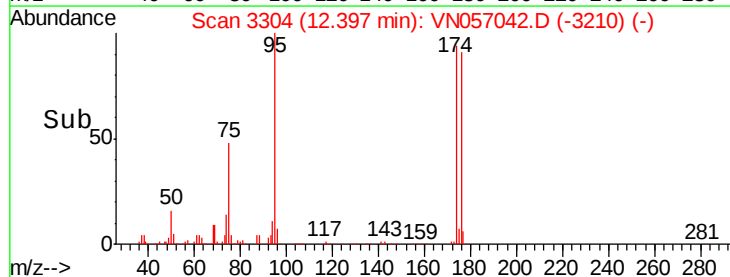
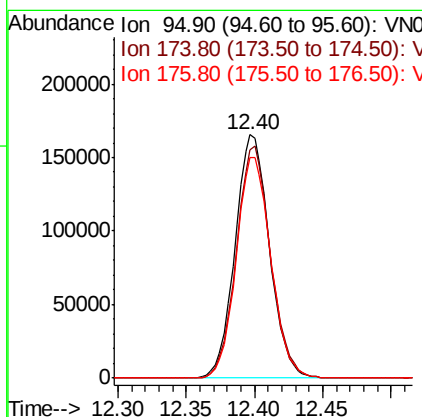
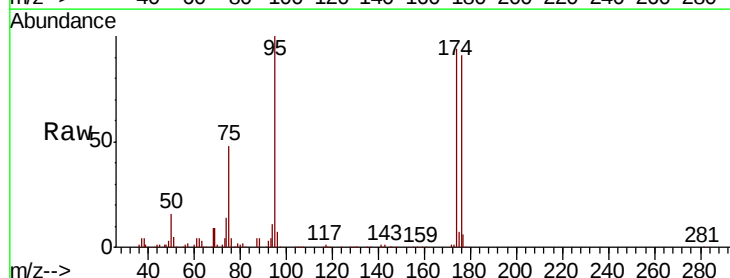
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-458-460

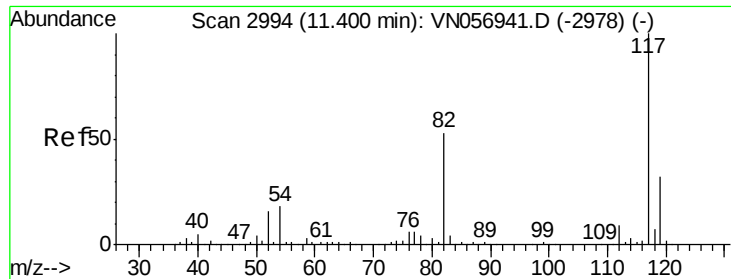
Tot Ion: 43 Resp: 202
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 44.590 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057042.D
Acq: 1 Aug 2019 17:08

Tgt Ion: 95 Resp: 289358
Ion Ratio Lower Upper
95 100
174 94.8 0.0 182.2
176 91.3 0.0 179.4

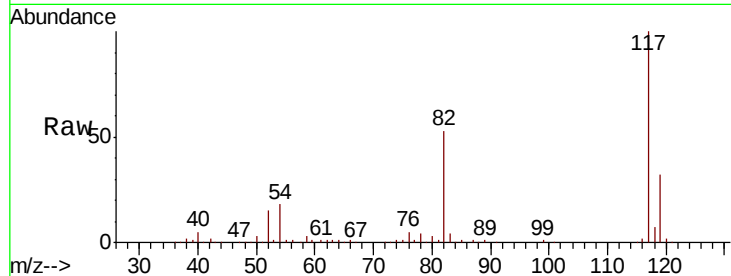




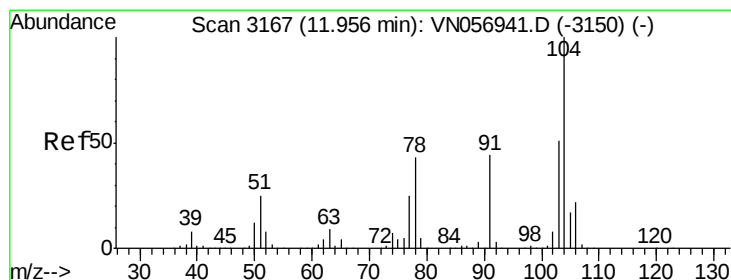
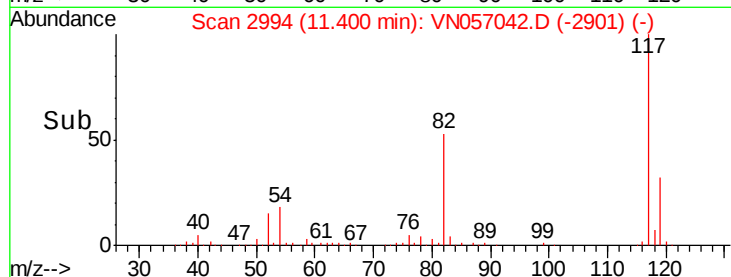
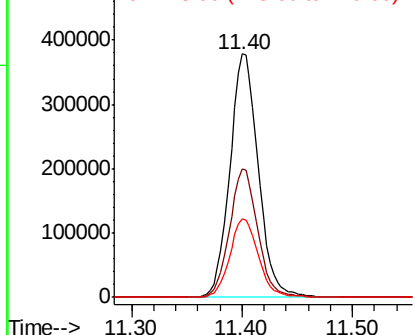
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057042.D
Acq: 1 Aug 2019 17:08

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

Tot Ion:117 Resp: 676236
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 32.1 25.8 38.6

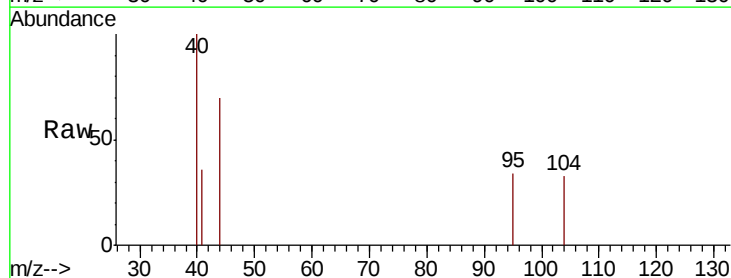


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

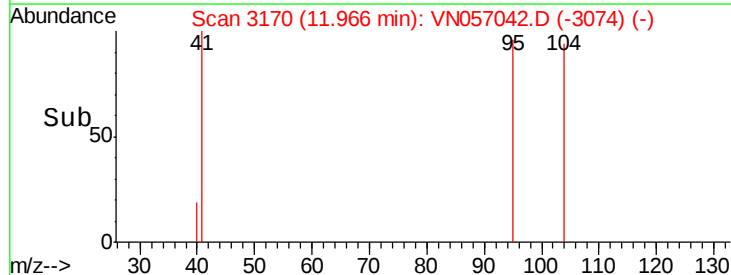
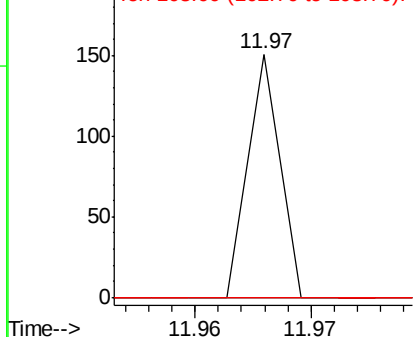


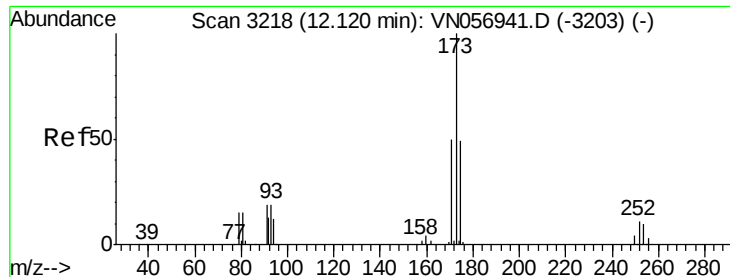
#70
Styrene
Concen: 1.869 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VN057042.D
Acq: 1 Aug 2019 17:08

Tgt Ion:104 Resp: 29
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): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.692 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN057042.D

Acq: 1 Aug 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-458-460

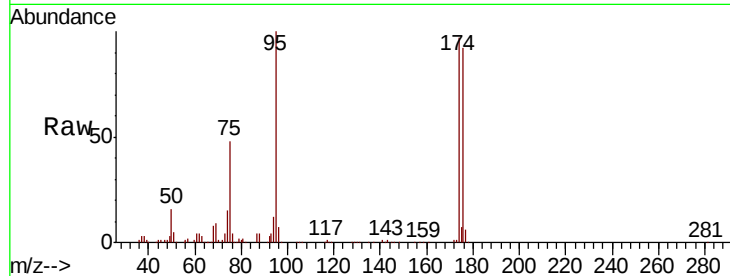
Tot Ion:173 Resp: 2508

Ion Ratio Lower Upper

173 100

175 638.1 24.1 72.4#

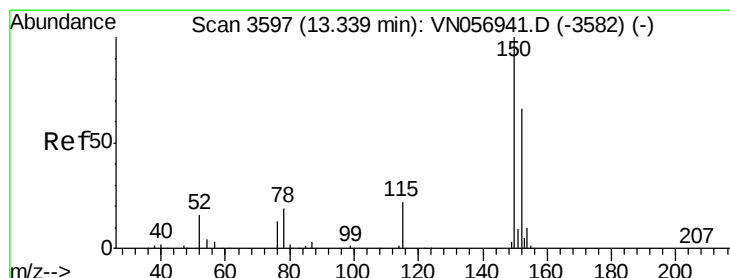
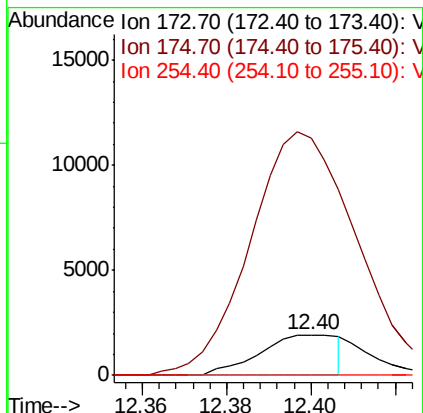
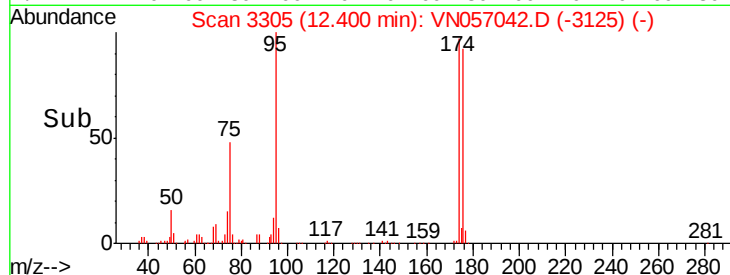
254 0.0 0.1 0.1#



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: VN057042.D

Acq: 1 Aug 2019 17:08

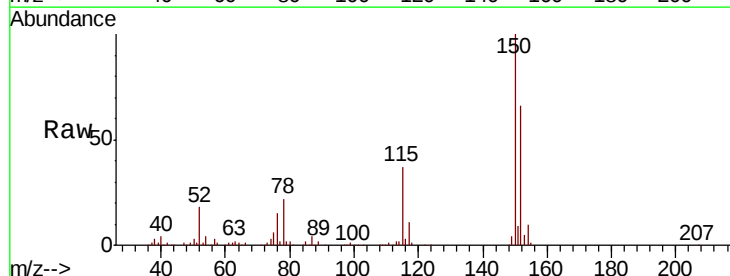
Tgt Ion:152 Resp: 190569

Ion Ratio Lower Upper

152 100

115 55.7 28.2 84.6

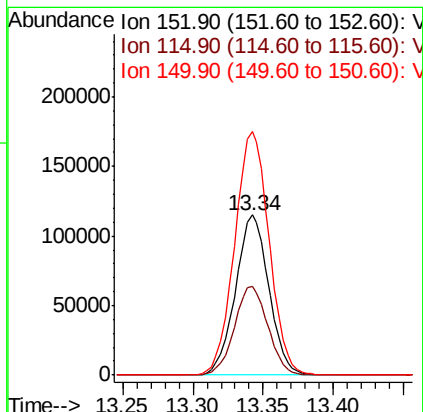
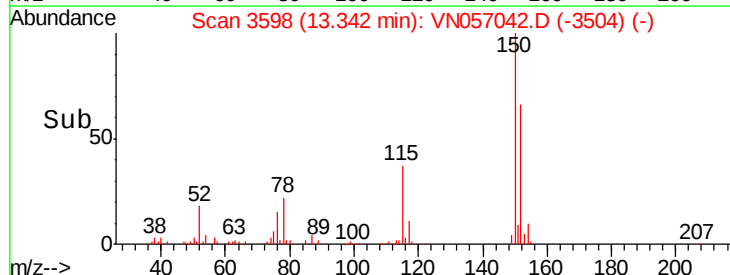
150 156.8 0.0 349.4

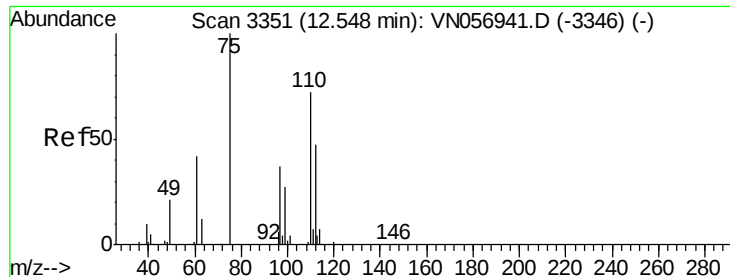


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 34.733 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057042.D

Acq: 1 Aug 2019 17:08

Instrument :

MSVOA_N

ClientSampleId :

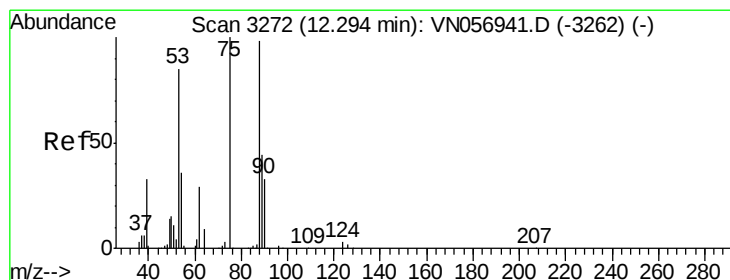
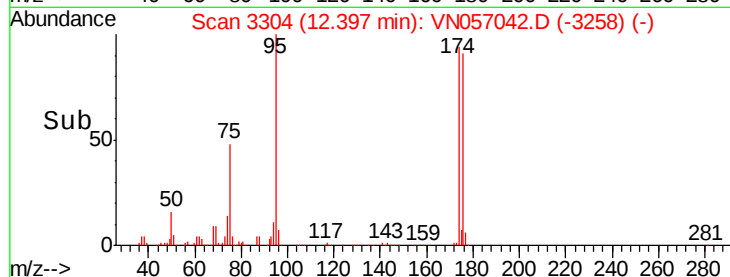
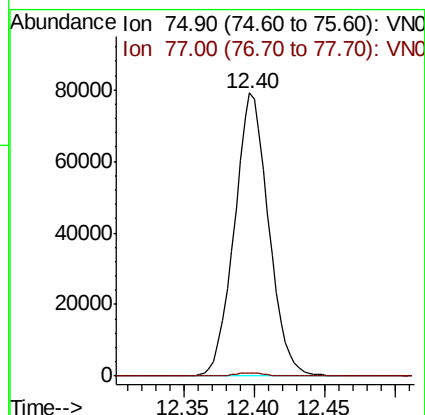
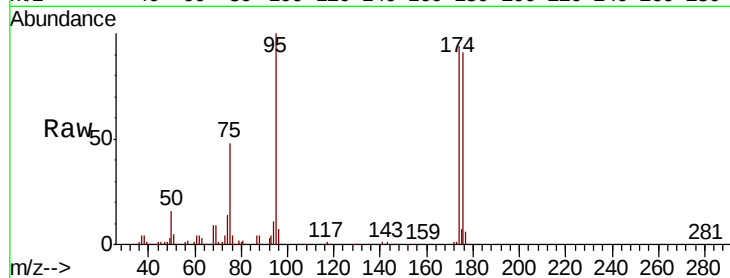
BP-VPB203-GW-458-460

Tot Ion: 75 Resp: 134423

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.597 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057042.D

Acq: 1 Aug 2019 17:08

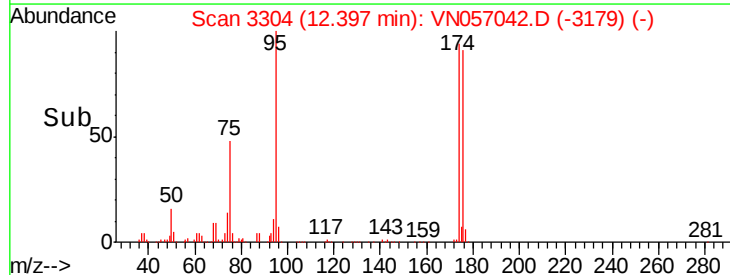
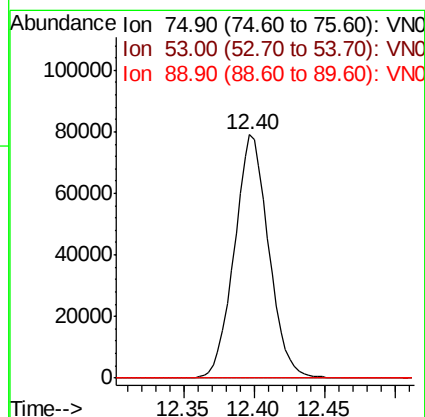
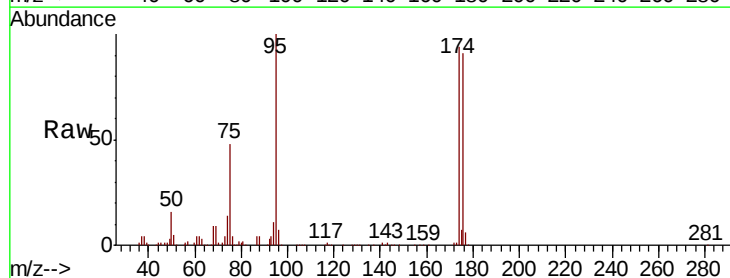
Tgt Ion: 75 Resp: 134423

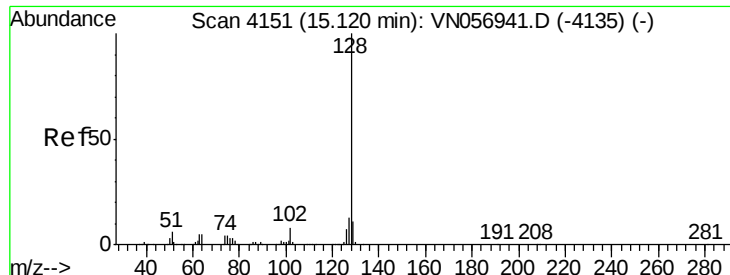
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 3.603 ug/l
 RT: 15.12 min Scan# 4151
 Delta R.T. 0.00 min
 Lab File: VN057042.D
 Acq: 1 Aug 2019 17:08

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.7	13.1#

