

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053981.D
 Acq On : 27 Feb 2019 21:04
 Operator : JC/SP
 Sample : K1353-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-022619-B

Quant Time: Feb 28 07:45:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

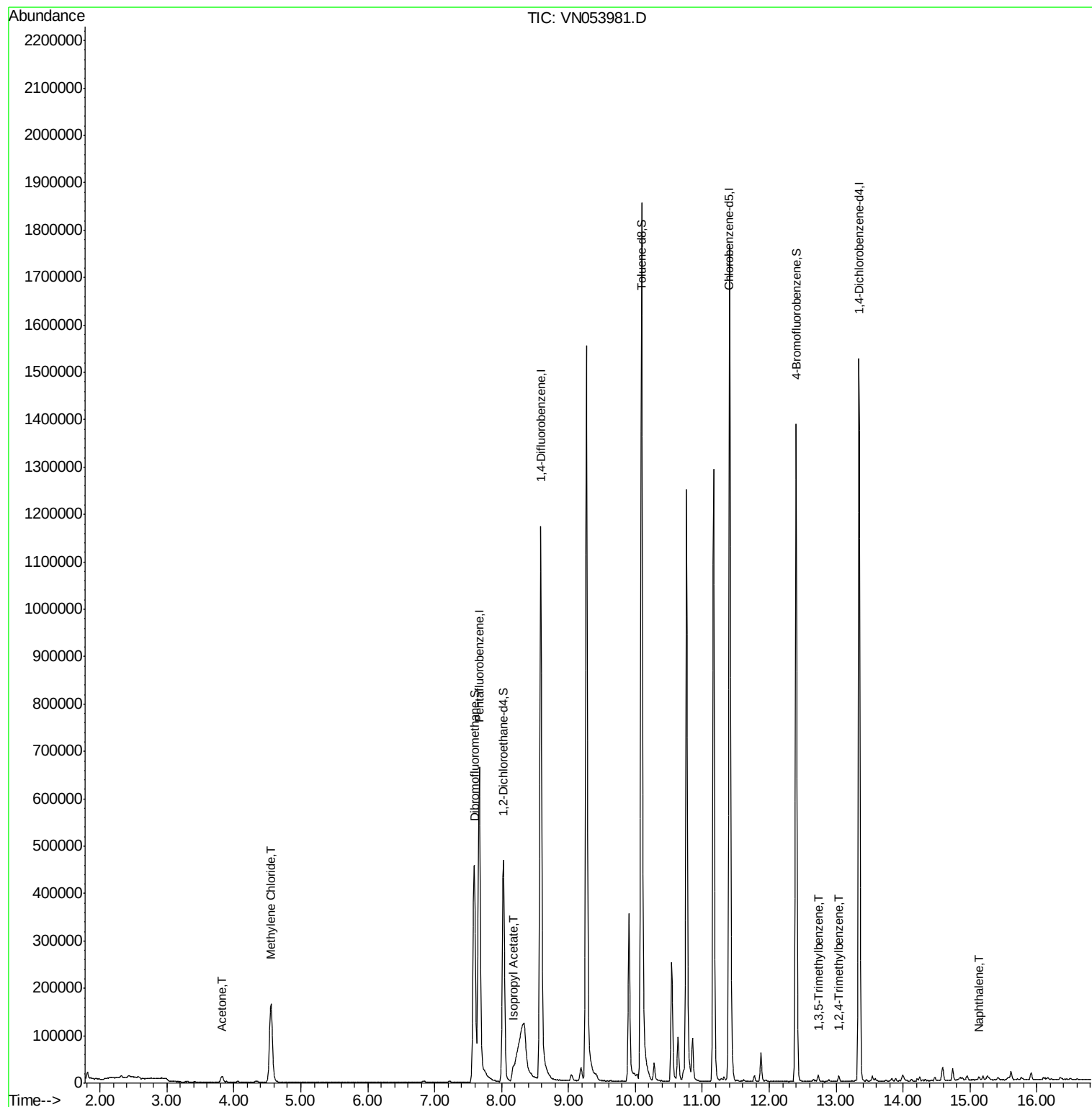
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	586375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1138079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1107396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	426253	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	400734	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
35) Dibromofluoromethane	7.59	113	363727	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.09	98	1452215	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.40	95	489632	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
Target Compounds						
16) Acetone	3.81	43	24139	1.165	ug/l	100
20) Methylene Chloride	4.55	84	125038	18.380	ug/l	90
43) Isopropyl Acetate	8.17	43	31855	2.497	ug/l #	91
80) 1,3,5-Trimethylbenzene	12.73	105	6149	0.226	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	7550	0.278	ug/l	98
95) Naphthalene	15.14	128	6617	3.579	ug/l	98

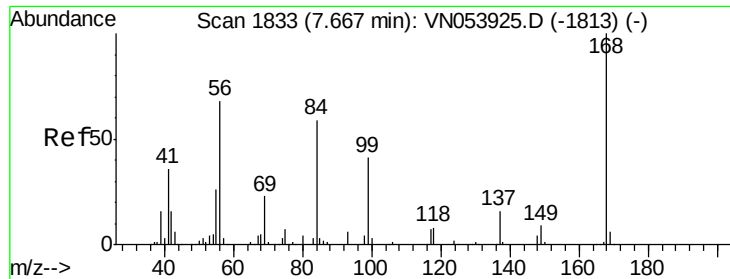
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampleId :

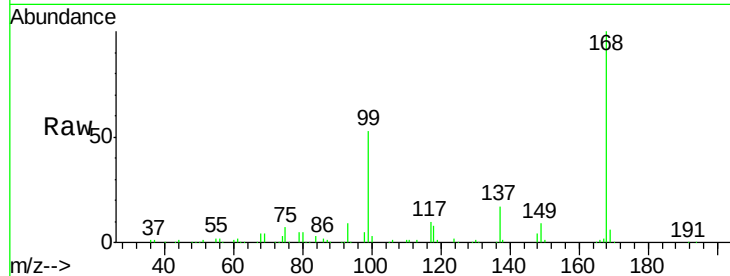
PL-02-022619-B

Tot Ion:168 Resp: 586375

Ion Ratio Lower Upper

168 100

99 53.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

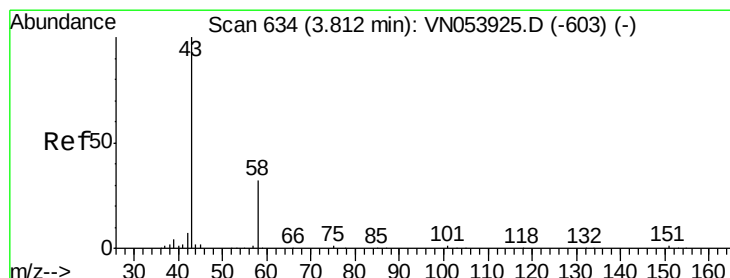
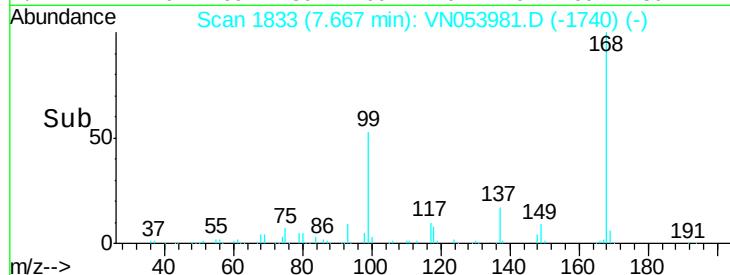
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 1.165 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053981.D

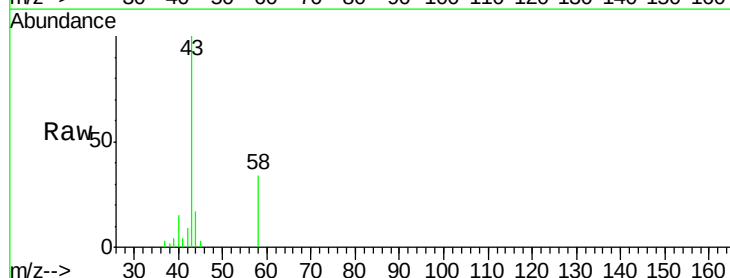
Acq: 27 Feb 2019 21:04

Tgt Ion: 43 Resp: 24139

Ion Ratio Lower Upper

43 100

58 34.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

8000

6000

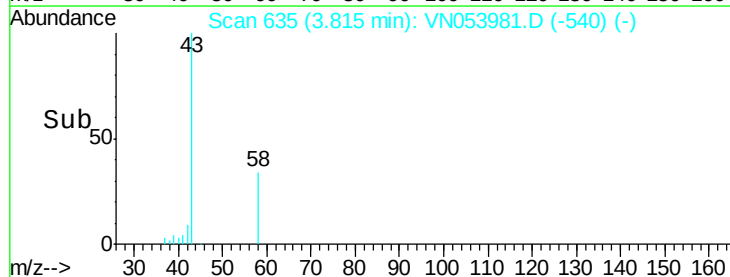
4000

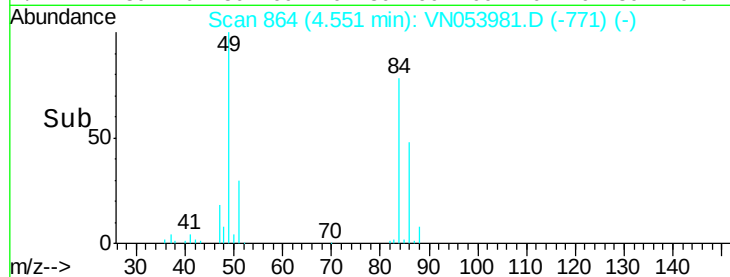
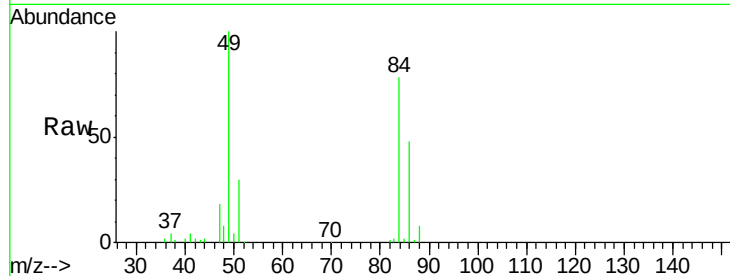
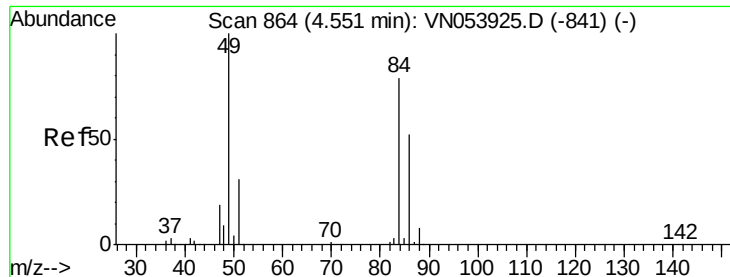
2000

0

Time-->

3.70 3.80 3.90

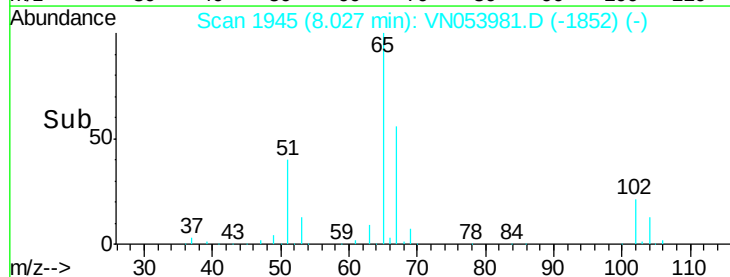
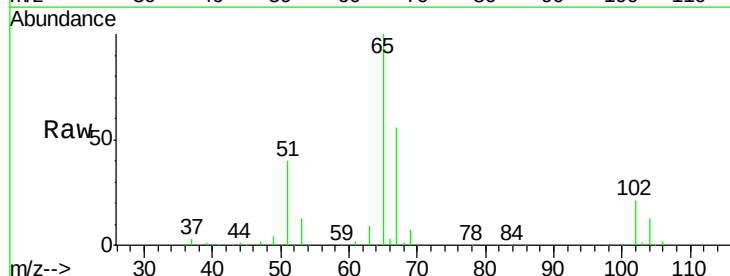
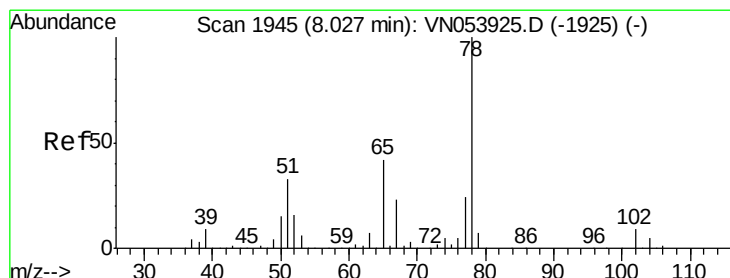
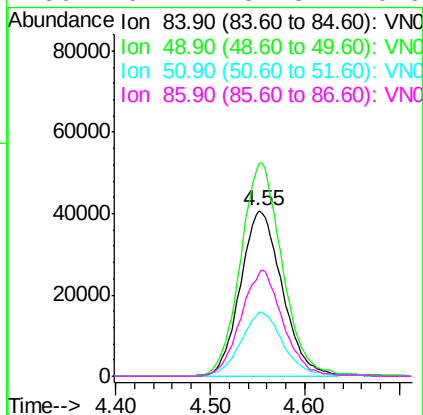




#20
Methylene Chloride
Concen: 18.380 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

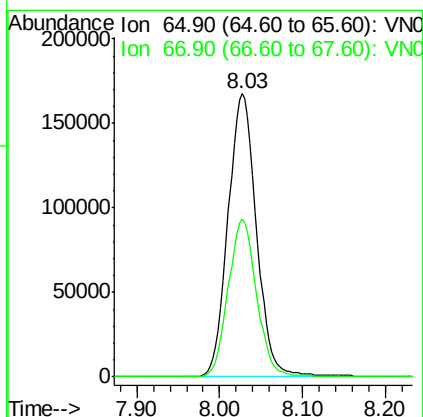
Instrument :
MSVOA_N
ClientSampleId :
PL-02-022619-B

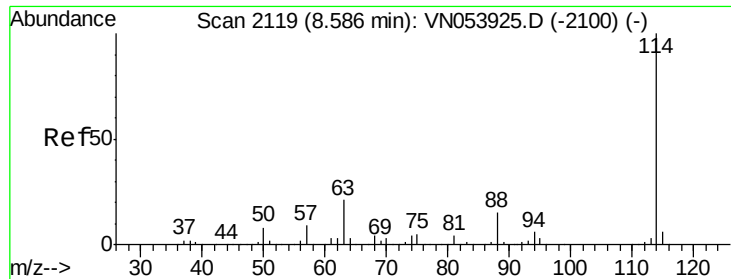
Tot Ion: 84 Resp: 125038
Ion Ratio Lower Upper
84 100
49 128.6 89.7 134.5
51 38.5 27.8 41.8
86 61.7 51.3 76.9



#33
1,2-Dichloroethane-d4
Concen: 58.300 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053981.D
Acq: 27 Feb 2019 21:04

Tgt Ion: 65 Resp: 400734
Ion Ratio Lower Upper
65 100
67 55.4 0.0 111.8

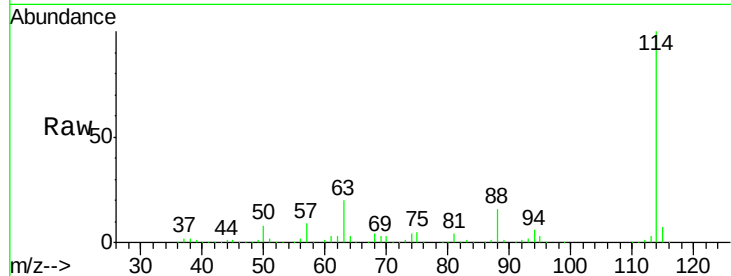




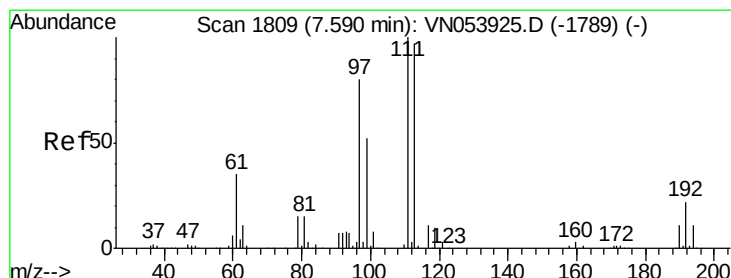
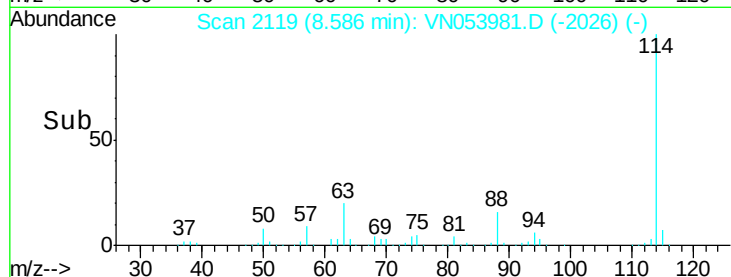
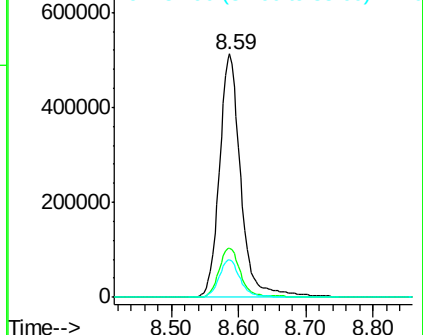
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-022619-B

Tot Ion:114 Resp: 1138079
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 37.4
 88 15.6 0.0 30.4

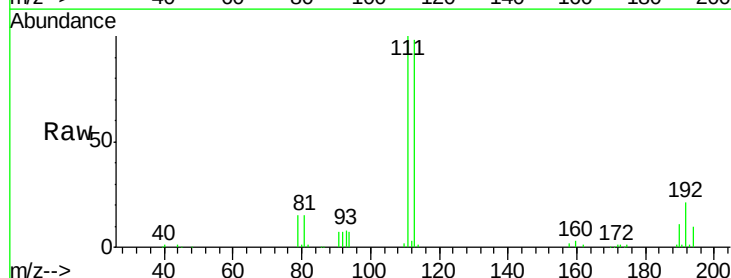


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

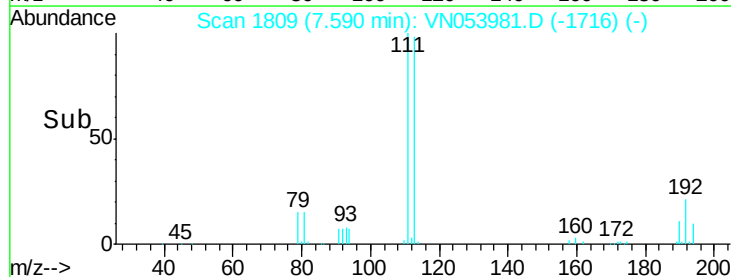
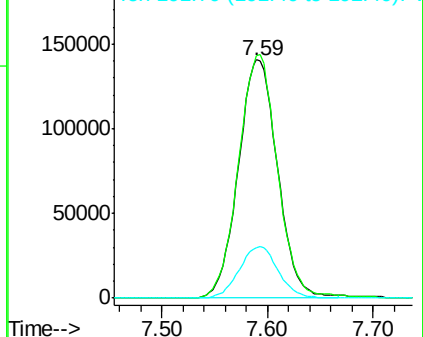


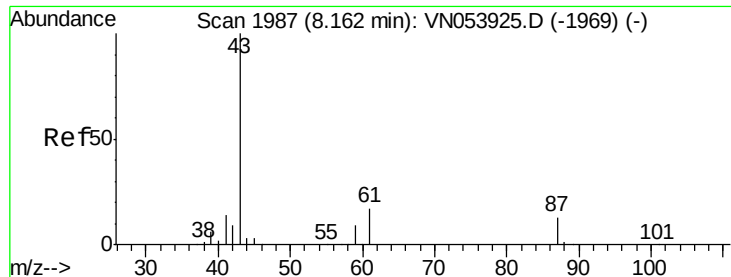
#35
 Dibromofluoromethane
 Concen: 49.423 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

Tgt Ion:113 Resp: 363727
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 21.4 18.8 28.2



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





#43

Isopropyl Acetate

Concen: 2.497 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampleId :

PL-02-022619-B

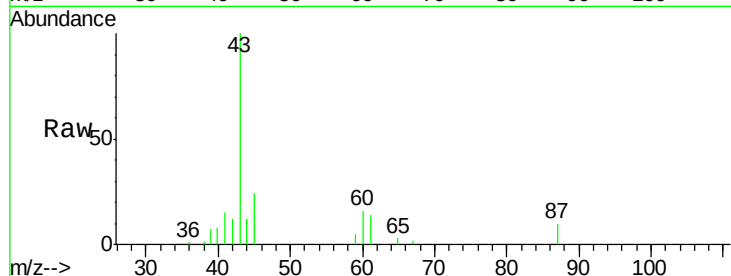
Tot Ion: 43 Resp: 31855

Ion Ratio Lower Upper

43 100

61 17.5 17.4 26.0

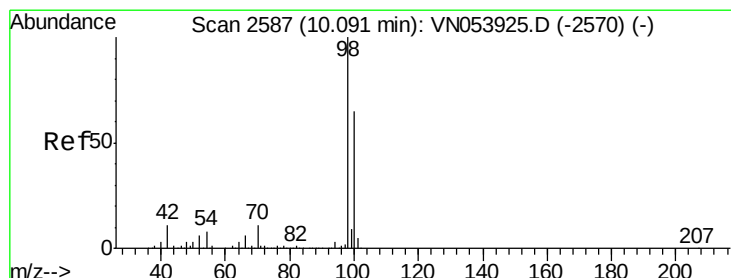
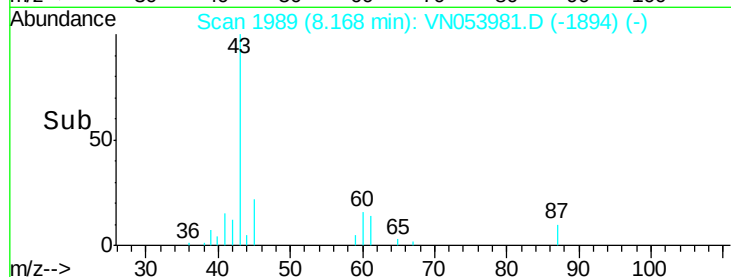
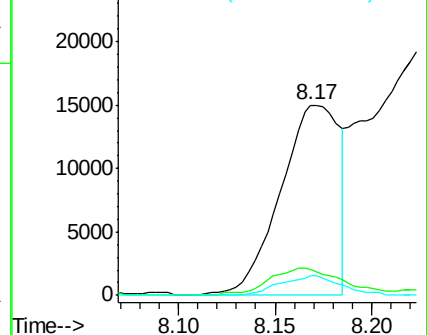
87 10.4 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)



#50

Toluene-d8

Concen: 53.008 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053981.D

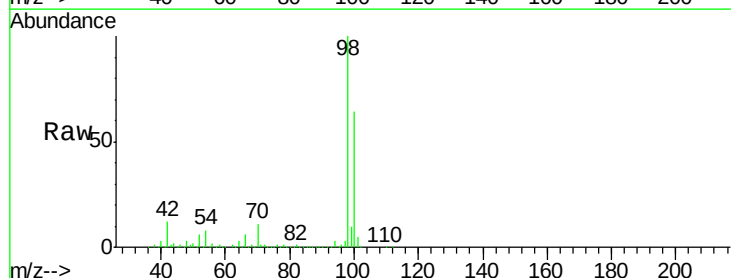
Acq: 27 Feb 2019 21:04

Tgt Ion: 98 Resp: 1452215

Ion Ratio Lower Upper

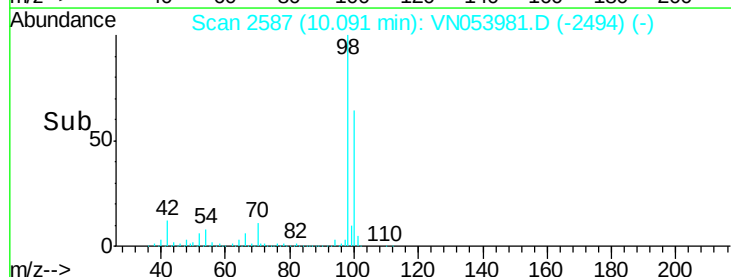
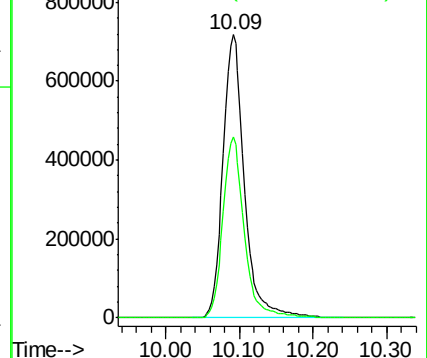
98 100

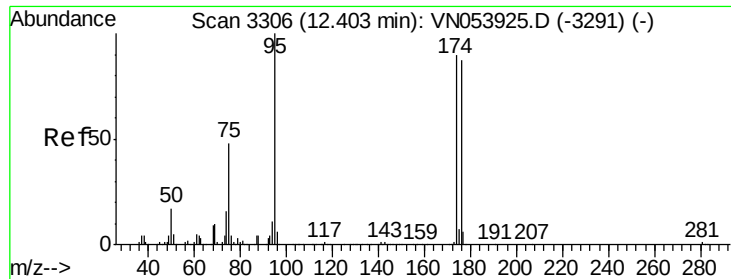
100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053925.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053925.D (-2570) (-)

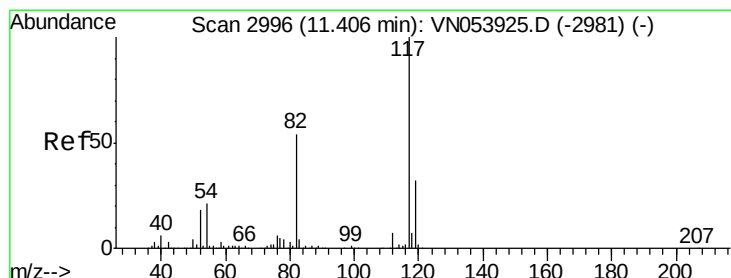
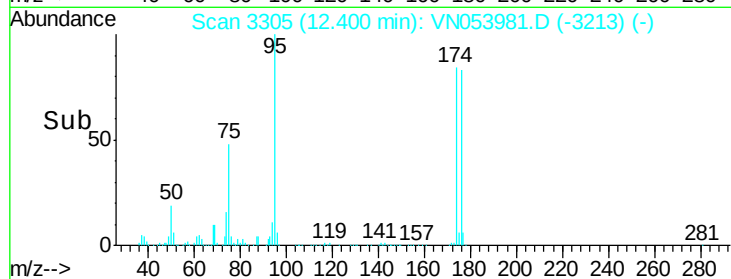
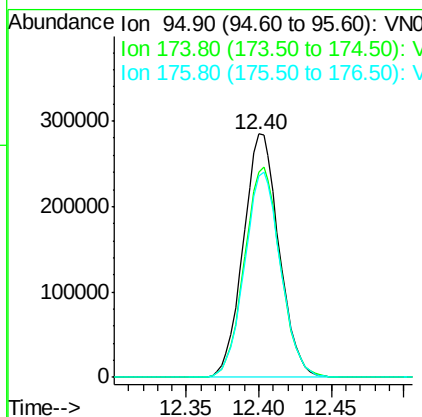
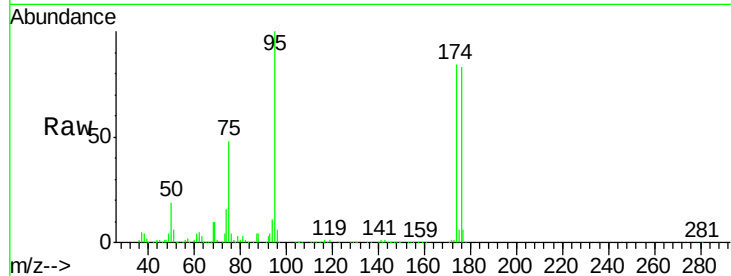




#62
 4-Bromofluorobenzene
 Concen: 53.643 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

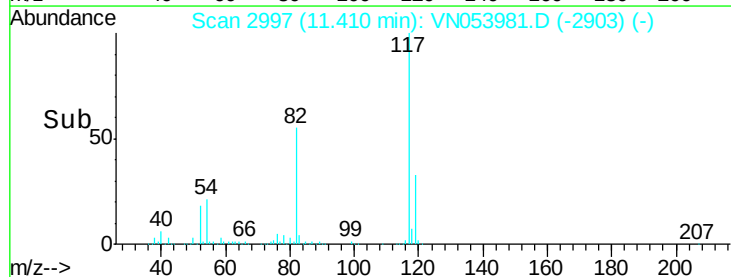
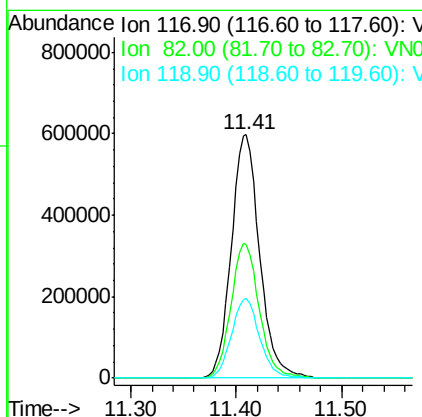
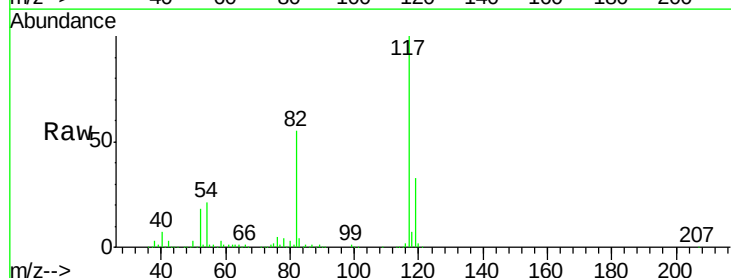
Instrument :
 MSVOA_N
 ClientSampleId :
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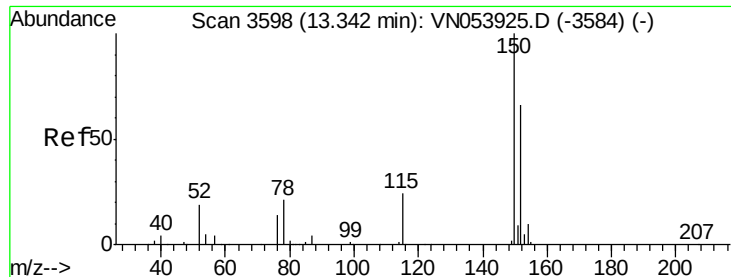
Tot Ion: 95 Resp: 489632
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 188.8
 176 84.8 0.0 182.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN053981.D
 Acq: 27 Feb 2019 21:04

Tgt Ion: 117 Resp: 1107396
 Ion Ratio Lower Upper
 117 100
 82 55.0 41.4 62.2
 119 32.8 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampleId :

PL-02-022619-B

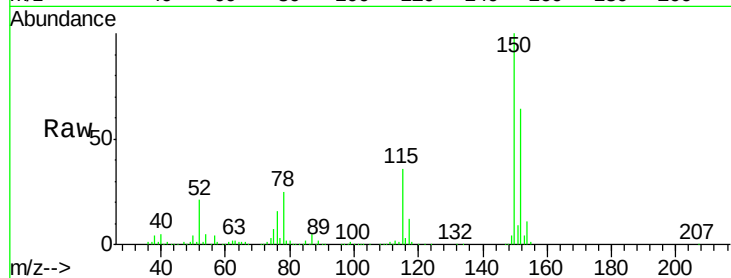
Tot Ion:152 Resp: 426253

Ion Ratio Lower Upper

152 100

115 56.4 27.2 81.6

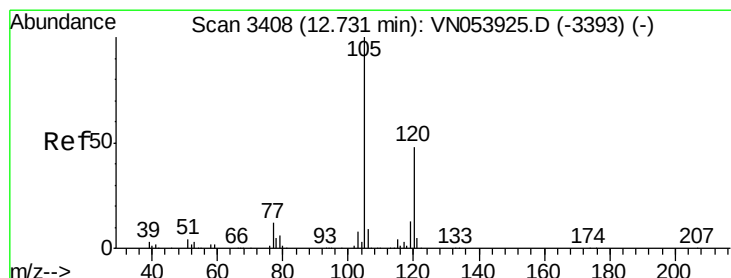
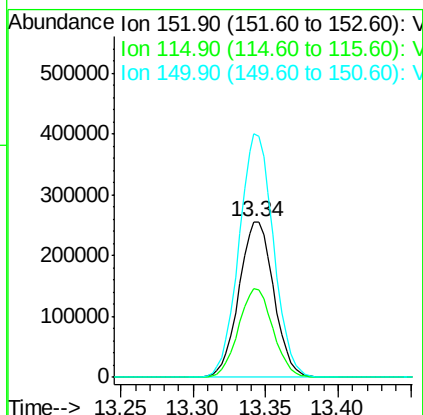
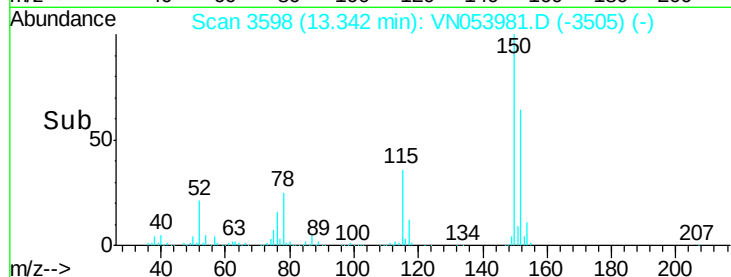
150 154.8 0.0 348.2



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



#80

1,3,5-Trimethylbenzene

Concen: 0.226 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053981.D

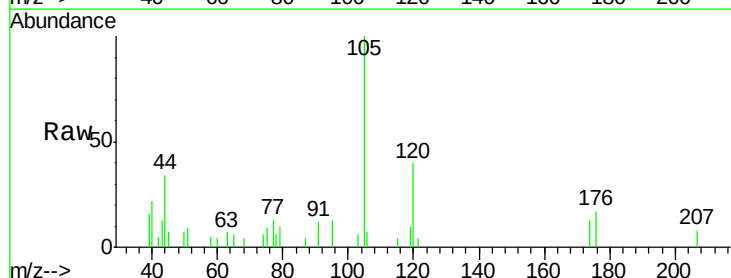
Acq: 27 Feb 2019 21:04

Tgt Ion:105 Resp: 6149

Ion Ratio Lower Upper

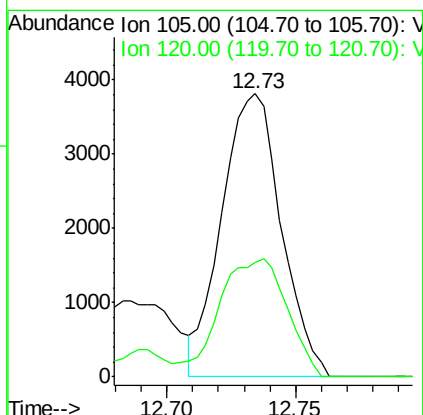
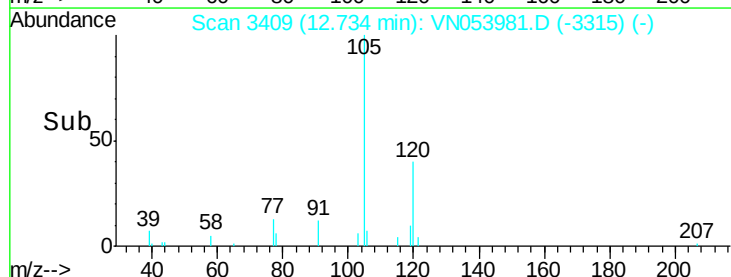
105 100

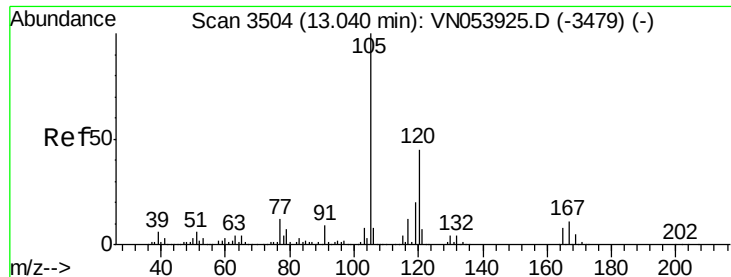
120 47.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 0.278 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

Instrument :

MSVOA_N

ClientSampleId :

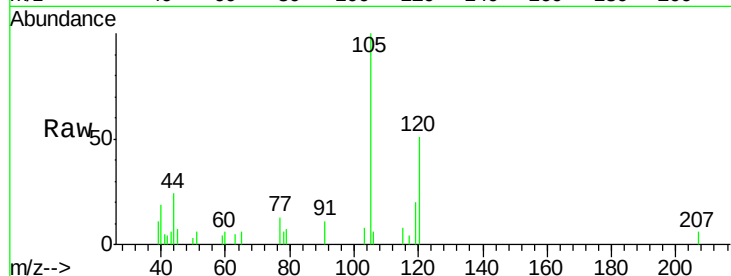
PL-02-022619-B

Tot Ion:105 Resp: 7550

Ion Ratio Lower Upper

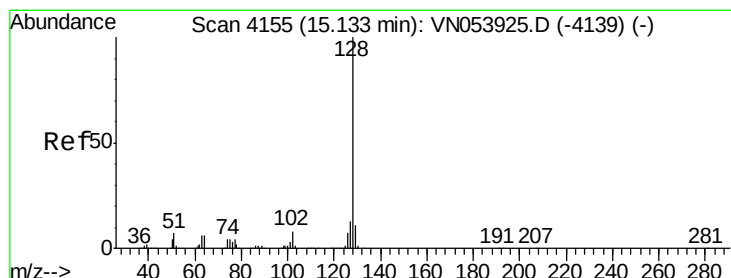
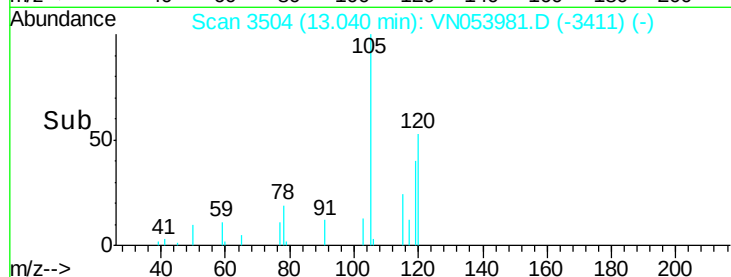
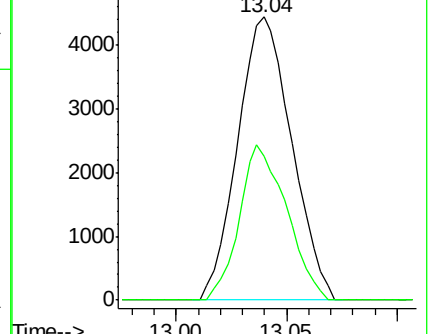
105 100

120 47.9 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 3.579 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053981.D

Acq: 27 Feb 2019 21:04

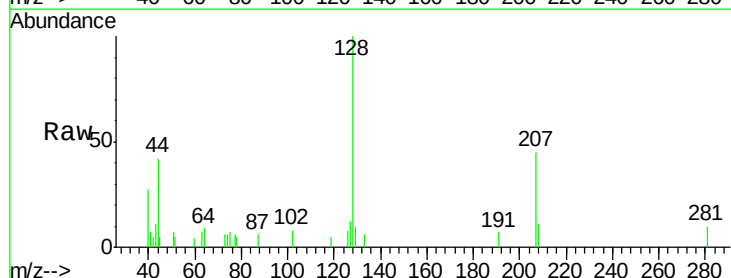
Tgt Ion:128 Resp: 6617

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 9.3 8.6 12.8



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

