

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056429.D
 Acq On : 21 Jun 2019 16:26
 Operator : JC/SP
 Sample : PB120805ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120805ZHE#02

Quant Time: Jun 22 03:23:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

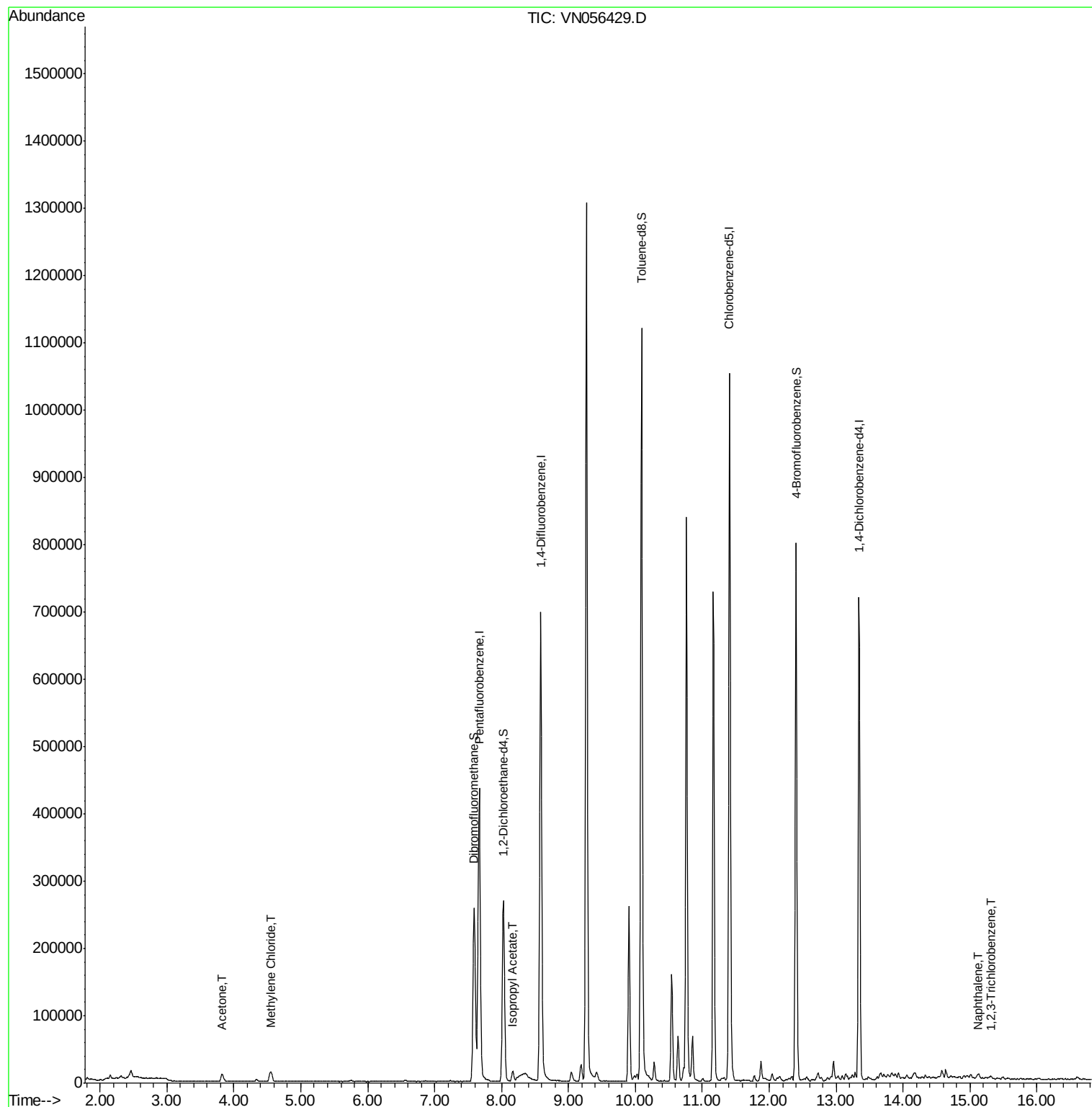
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	406012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	687606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	684268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213670	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	226596	50.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	198005	46.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.32%	
50) Toluene-d8	10.09	98	852891	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.40	95	287328	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
Target Compounds						
16) Acetone	3.82	43	20016	8.878	ug/l	97
20) Methylene Chloride	4.55	84	12463	2.079	ug/l	98
43) Isopropyl Acetate	8.17	43	18537	2.021	ug/l #	91
95) Naphthalene	15.13	128	5179	5.719	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	1951	4.940	ug/l	94

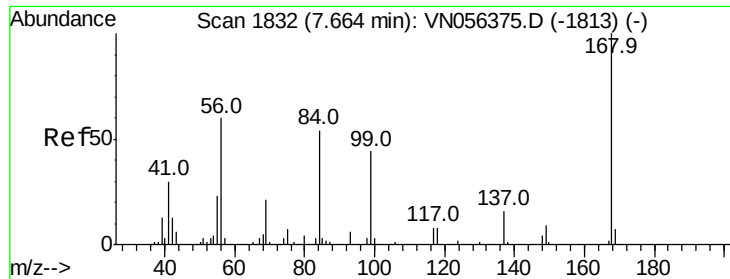
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

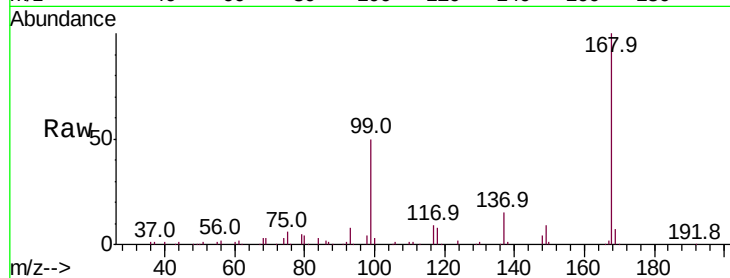
PB120805ZHE#02

Tot Ion:168 Resp: 406012

Ion Ratio Lower Upper

168 100

99 49.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

150000

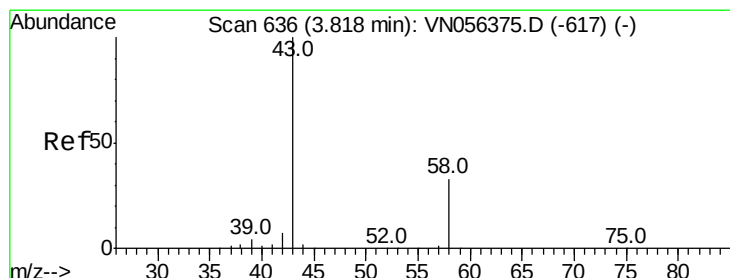
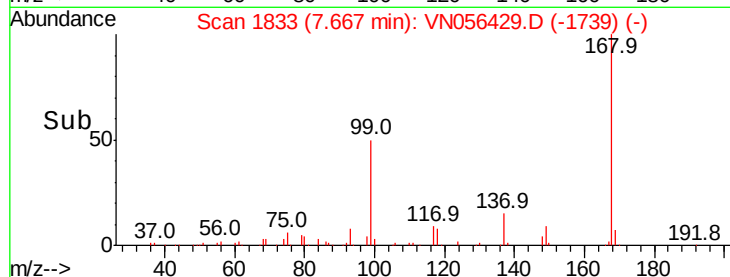
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 8.878 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056429.D

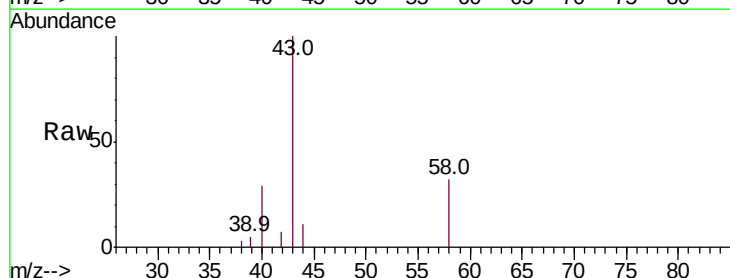
Acq: 21 Jun 2019 16:26

Tgt Ion: 43 Resp: 20016

Ion Ratio Lower Upper

43 100

58 31.5 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-617) (-)

3.82

8000

6000

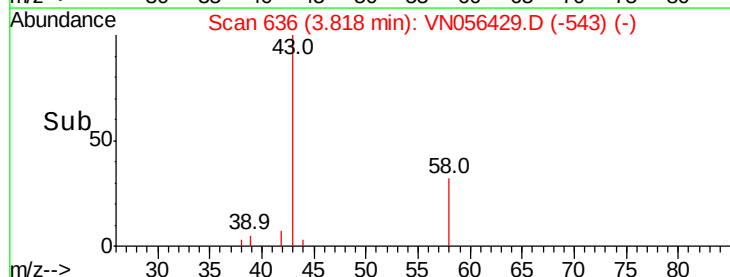
4000

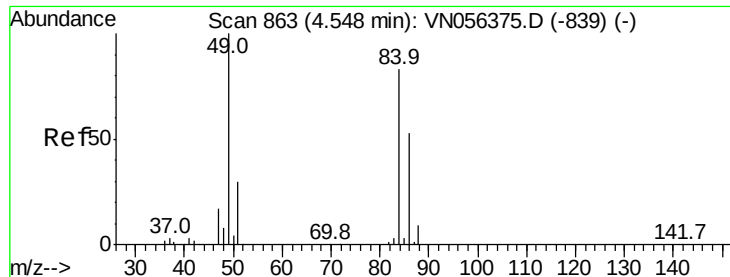
2000

0

3.75 3.80 3.85 3.90

Time-->





#20

Methylene Chloride

Concen: 2.079 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

Tot Ion: 84 Resp: 12463

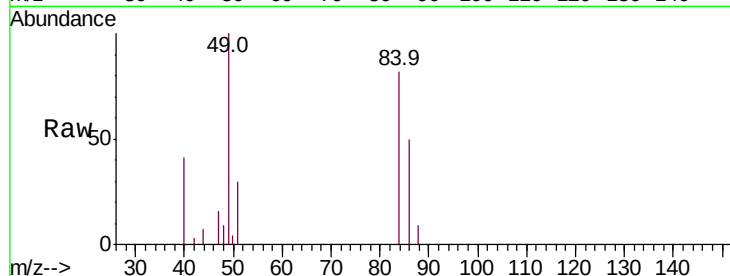
Ion Ratio Lower Upper

84 100

49 121.6 96.4 144.6

51 36.8 28.6 43.0

86 60.7 51.4 77.2

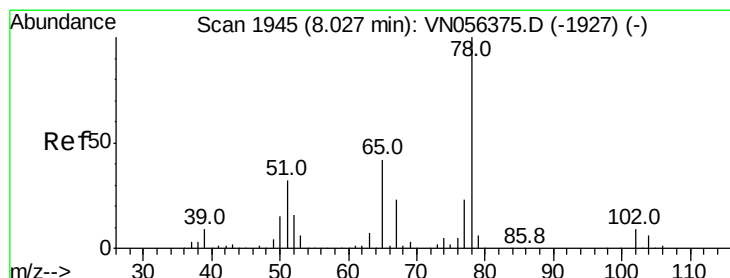
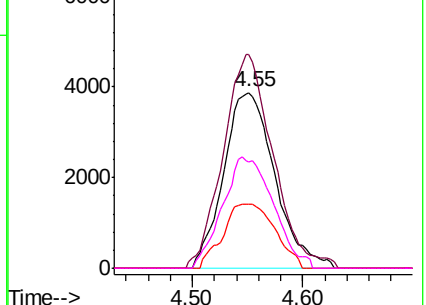
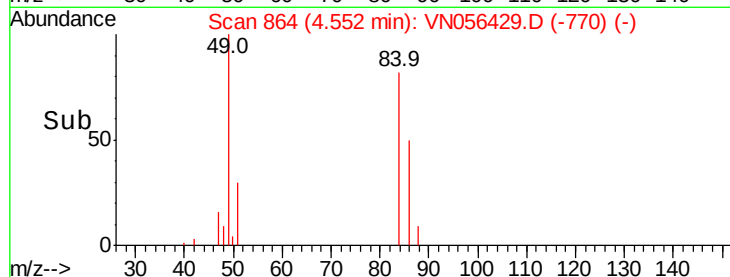


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.356 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056429.D

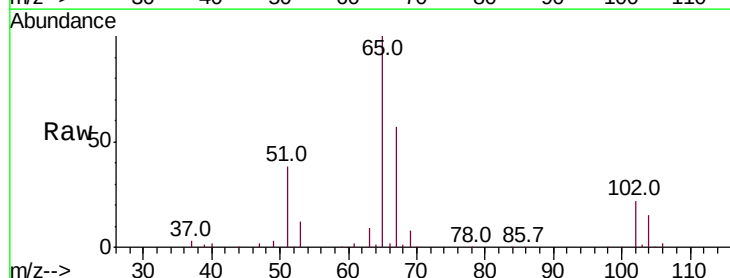
Acq: 21 Jun 2019 16:26

Tgt Ion: 65 Resp: 226596

Ion Ratio Lower Upper

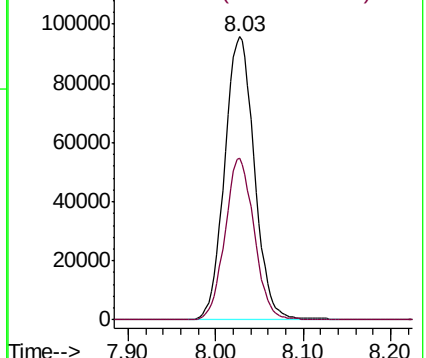
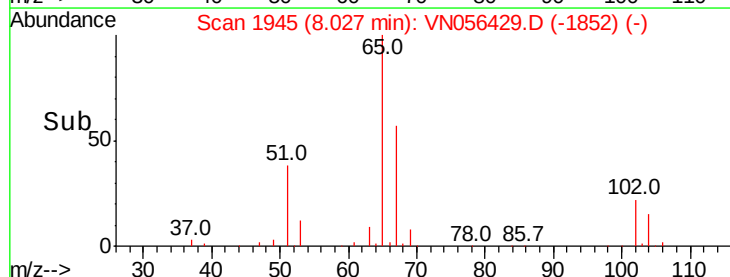
65 100

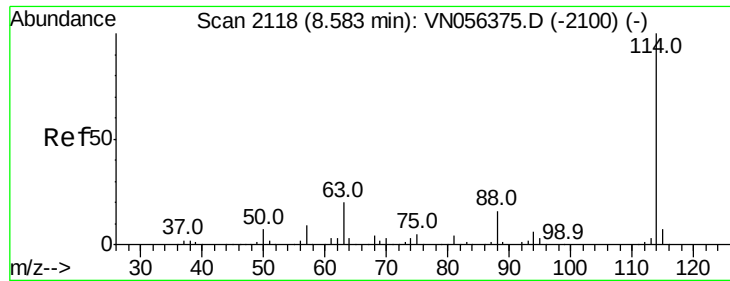
67 55.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

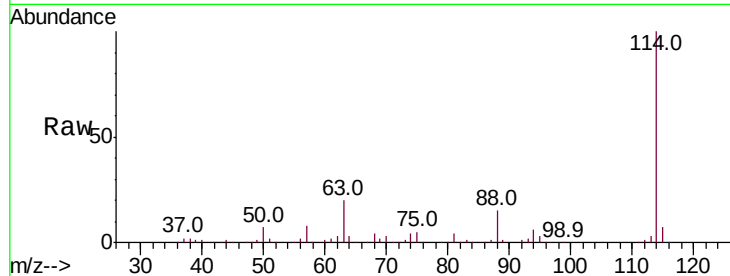




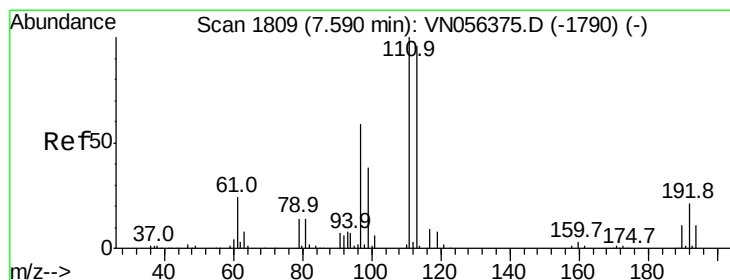
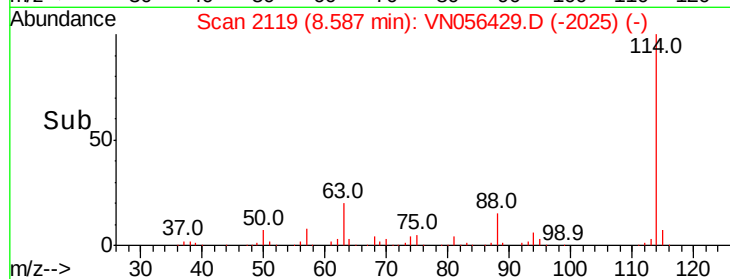
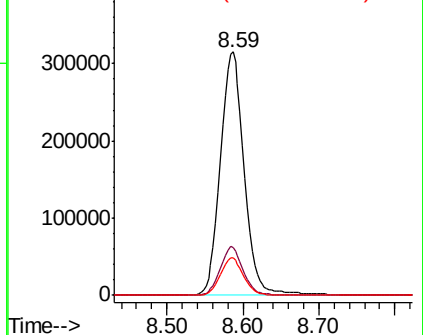
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120805ZHE#02

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.2
88	15.2	0.0	31.4

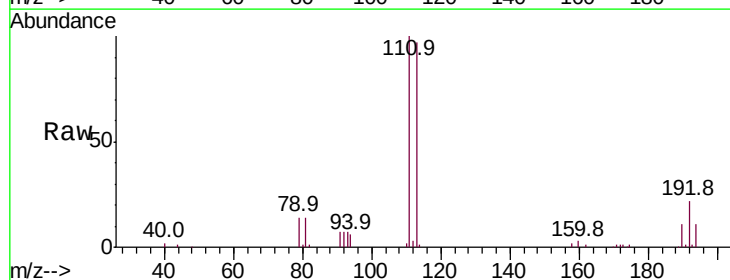


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

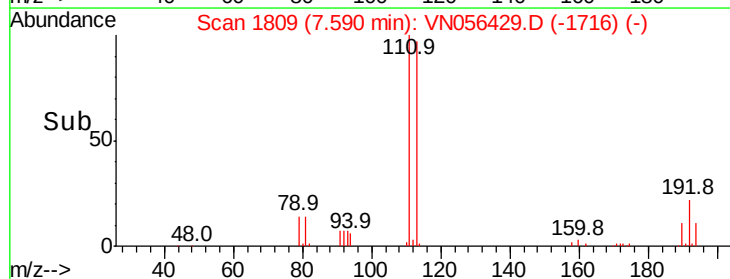
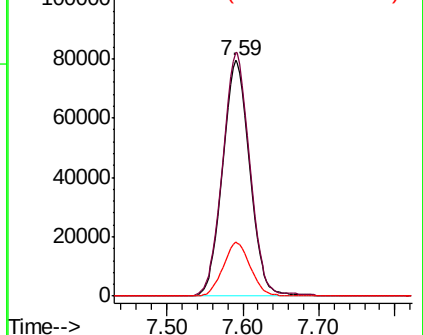


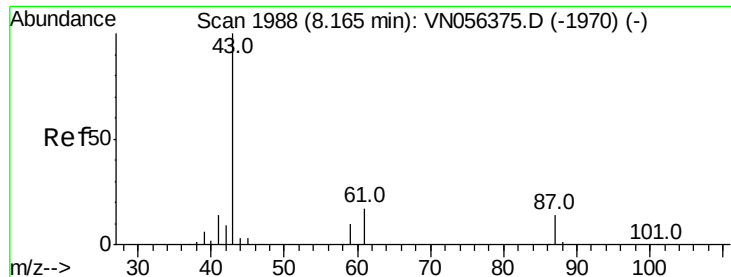
#35
 Dibromofluoromethane
 Concen: 46.160 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056429.D
 Acq: 21 Jun 2019 16:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	22.7	17.7	26.5



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: 2.021 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

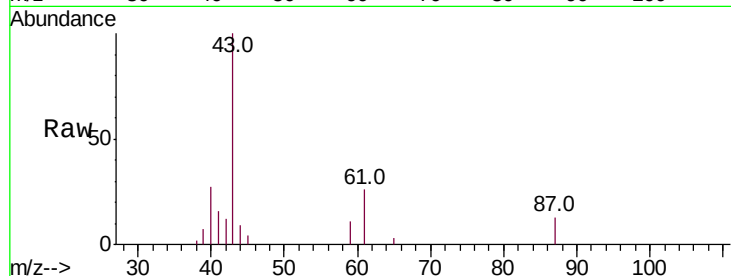
Tot Ion: 43 Resp: 18537

Ion Ratio Lower Upper

43 100

61 20.6 22.0 33.0#

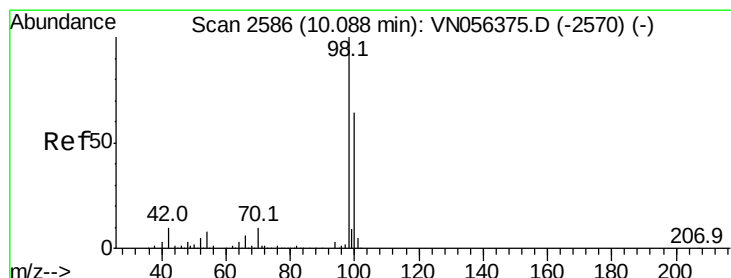
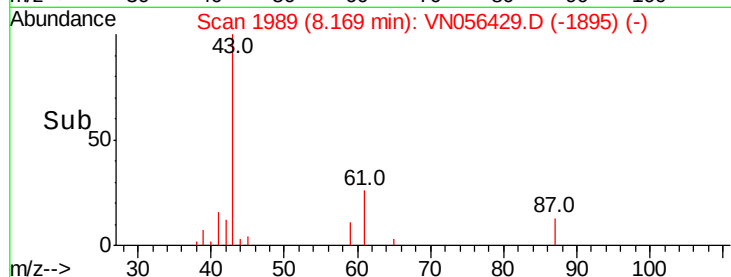
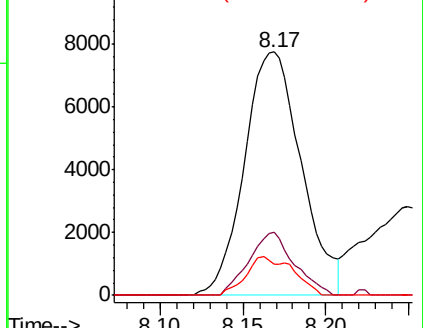
87 13.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.099 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056429.D

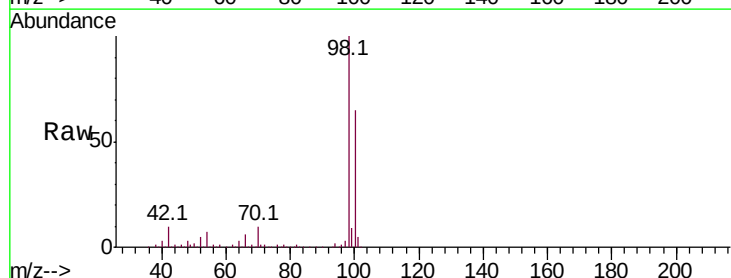
Acq: 21 Jun 2019 16:26

Tgt Ion: 98 Resp: 852891

Ion Ratio Lower Upper

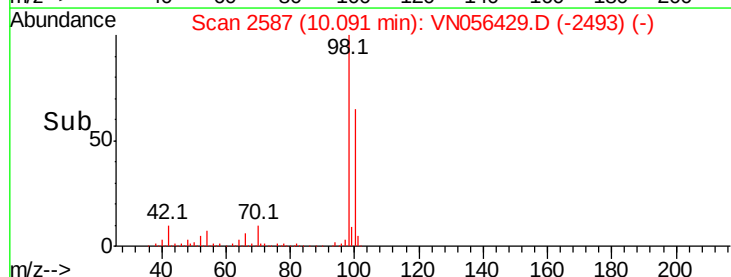
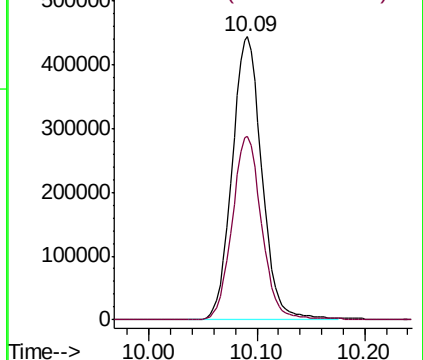
98 100

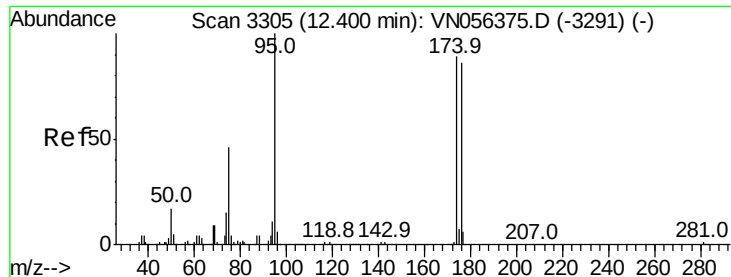
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.640 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB120805ZHE#02

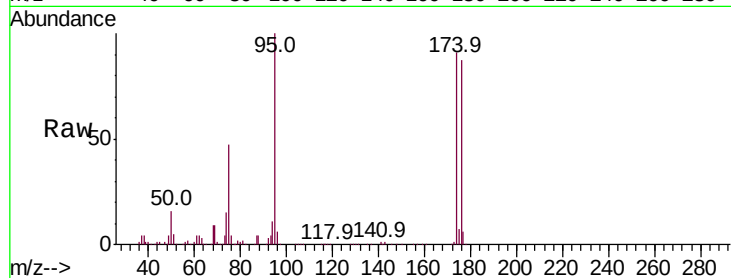
Tot Ion: 95 Resp: 287328

Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.4

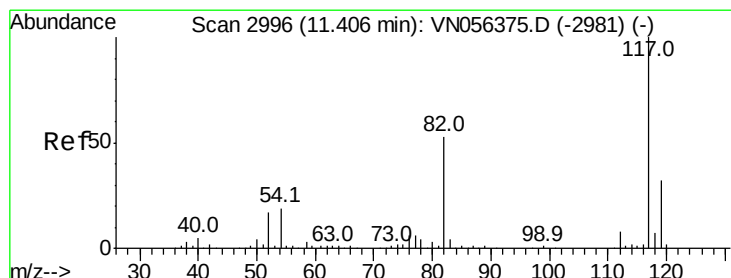
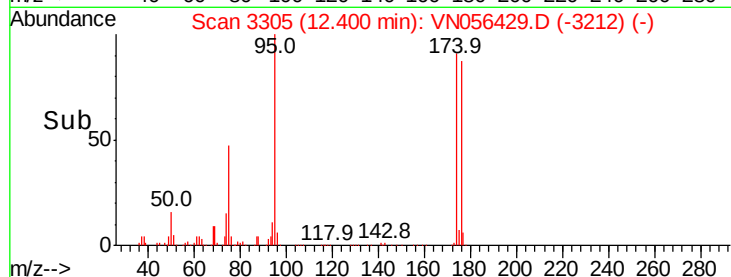
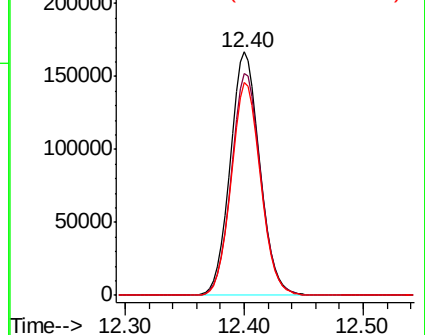
176 86.6 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

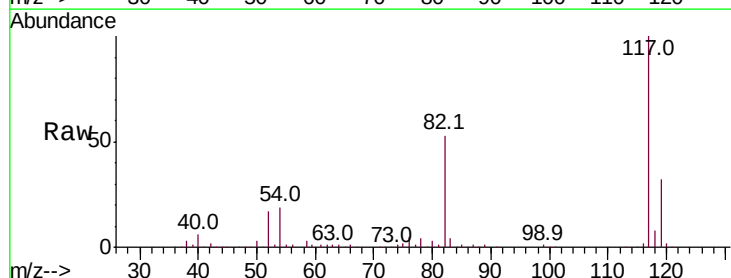
Tgt Ion: 117 Resp: 684268

Ion Ratio Lower Upper

117 100

82 52.6 42.0 63.0

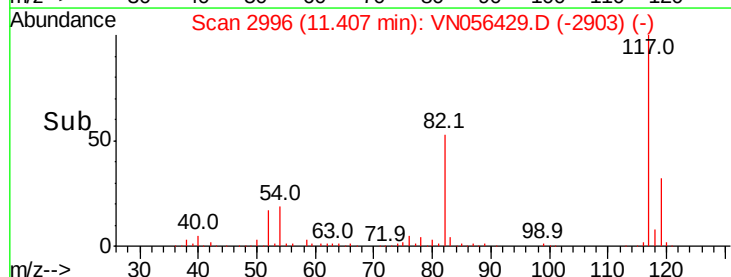
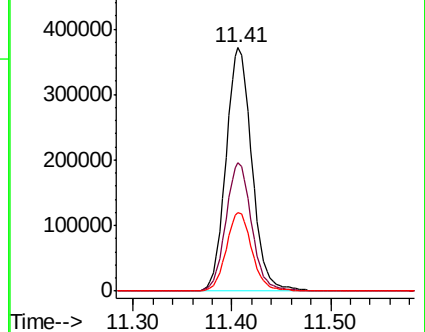
119 32.4 25.3 37.9

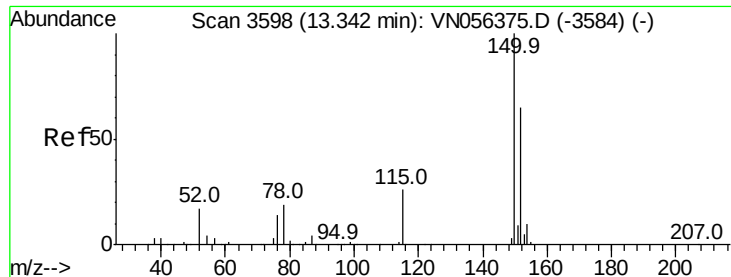


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

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PB120805ZHE#02

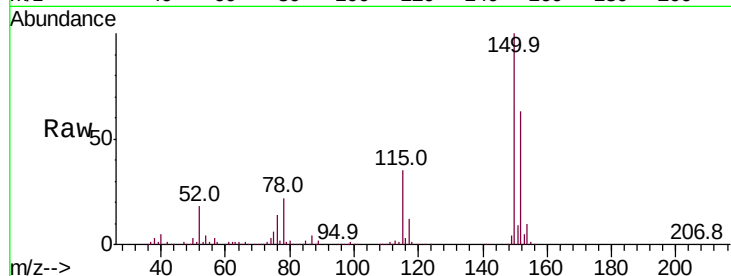
Tot Ion:152 Resp: 213670

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.4

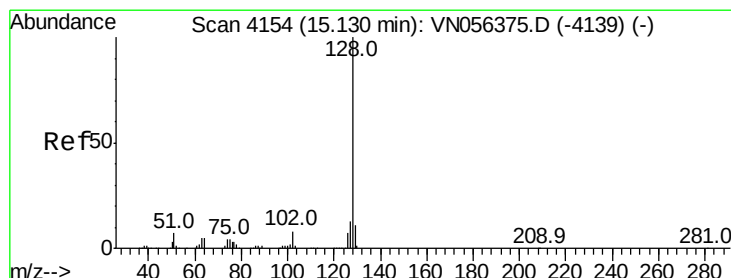
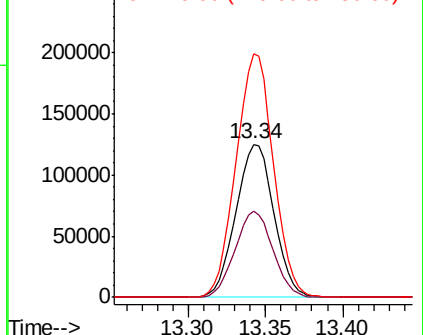
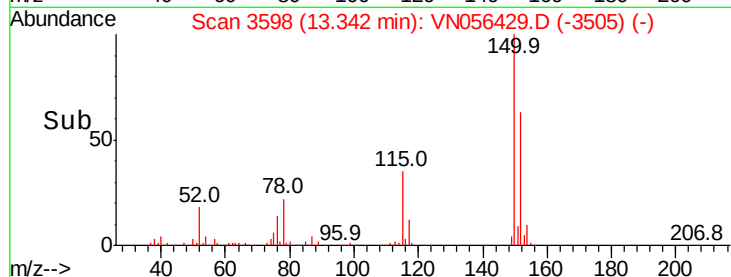
150 156.6 0.0 348.4



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



#95

Naphthalene

Concen: 5.719 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

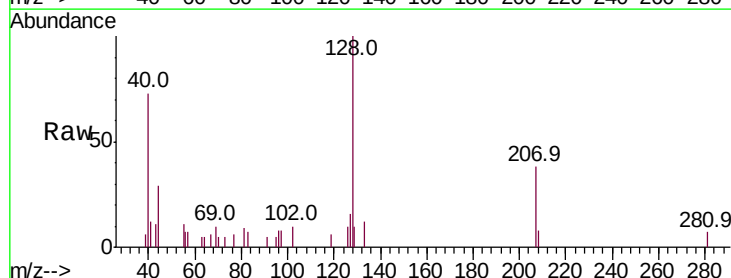
Tgt Ion:128 Resp: 5179

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.2

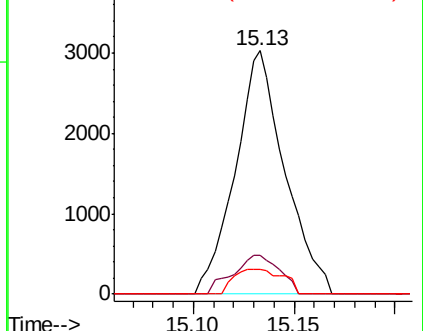
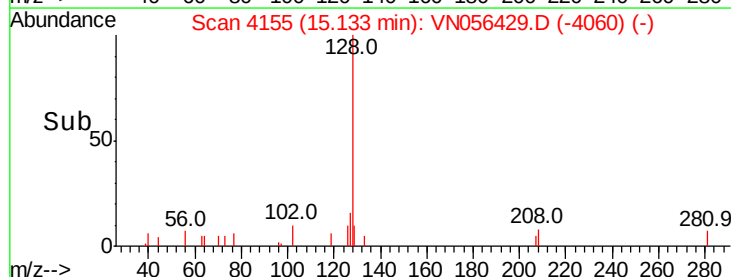
129 10.3 8.6 12.8

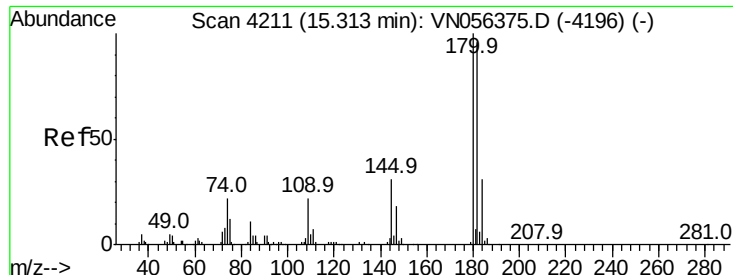


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 4.940 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056429.D

Acq: 21 Jun 2019 16:26

Instrument :

MSVOA_N

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PB120805ZHE#02

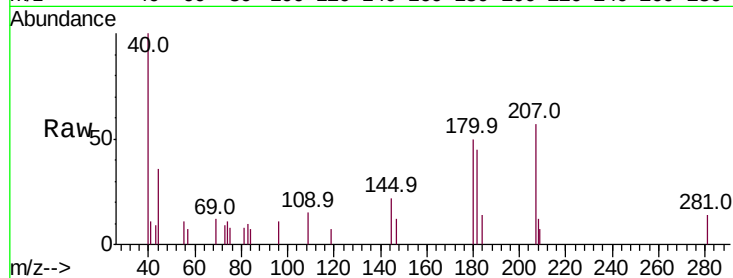
Tot Ion:180 Resp: 1951

Ion Ratio Lower Upper

180 100

182 89.4 48.3 144.8

145 32.2 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

