

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058729.D
 Acq On : 12 Oct 2019 2:17
 Operator : JC/SP
 Sample : K5323-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Oct 12 06:02:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

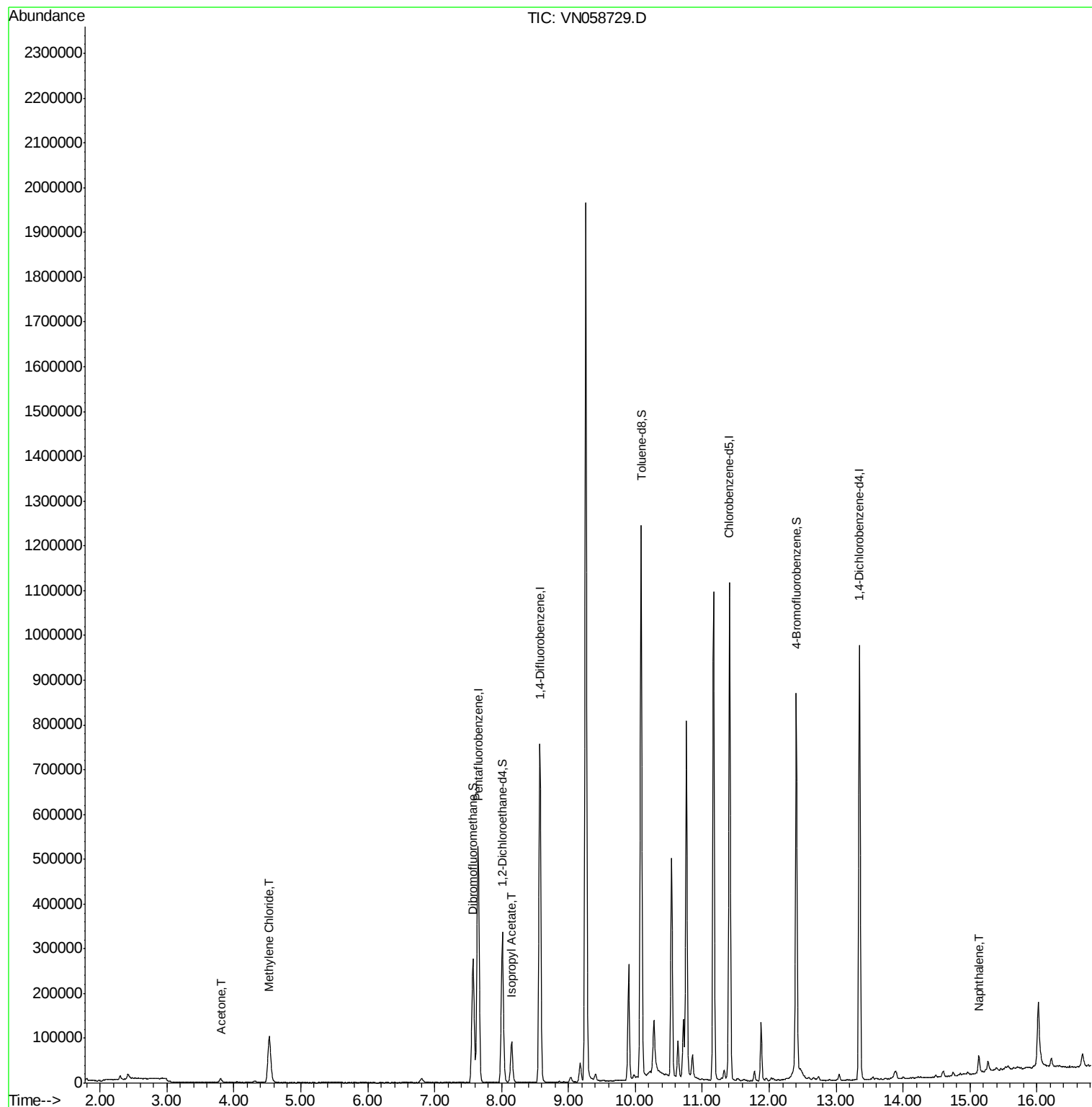
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	411837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	653790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247816	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	295258	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
35) Dibromofluoromethane	7.57	113	213108	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.54%	
50) Toluene-d8	10.09	98	835708	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.40	95	280692	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	
Target Compounds						
16) Acetone	3.80	43	14735	6.173	ug/l #	89
20) Methylene Chloride	4.53	84	76574	15.350	ug/l	99
43) Isopropyl Acetate	8.15	43	109138	9.583	ug/l #	90
95) Naphthalene	15.13	128	26981	1.961	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
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QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058729.D

Acq: 12 Oct 2019 2:17

Instrument :

MSVOA_N

ClientSampled :

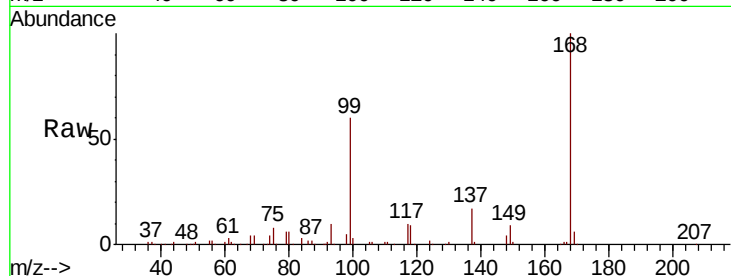
TP-4

Tot Ion:168 Resp: 411837

Ion Ratio Lower Upper

168 100

99 60.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

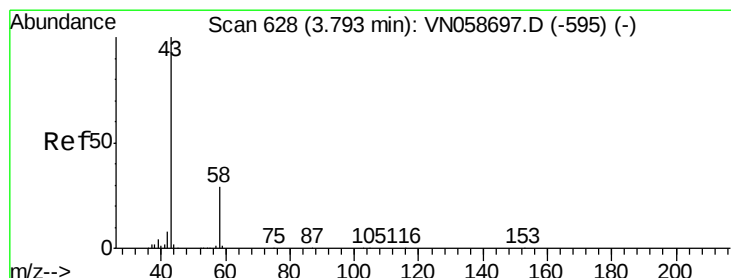
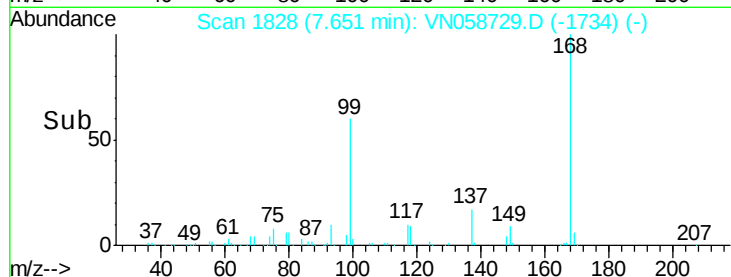
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.173 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058729.D

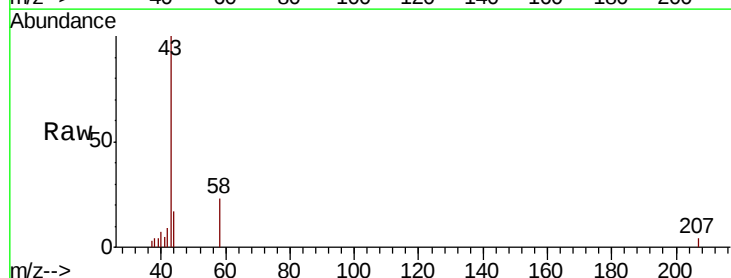
Acq: 12 Oct 2019 2:17

Tgt Ion: 43 Resp: 14735

Ion Ratio Lower Upper

43 100

58 23.2 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

6000

5000

4000

3000

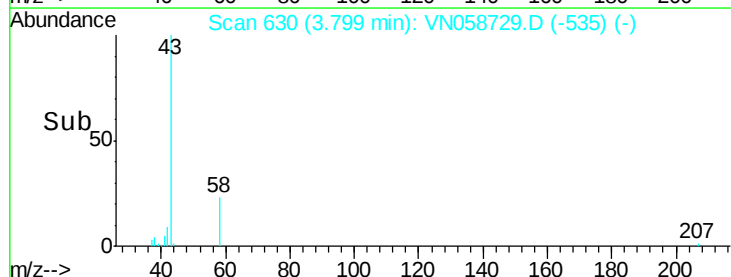
2000

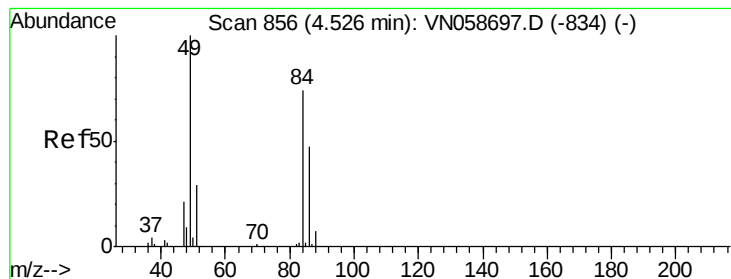
1000

0

3.75 3.80 3.85 3.90

Time-->





#20

Methylene Chloride

Concen: 15.350 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058729.D

Acq: 12 Oct 2019 2:17

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 84 Resp: 76574

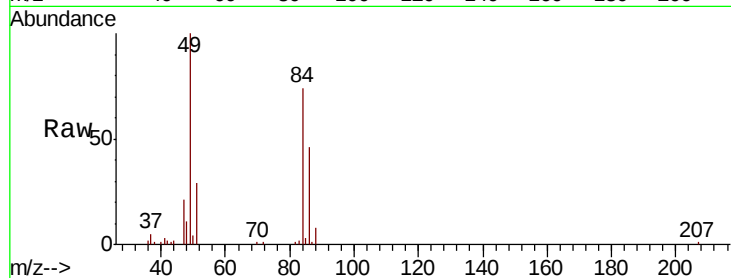
Ion	Ratio	Lower	Upper
84	100		
49	135.3	107.6	161.4
51	39.4	31.4	47.0
86	62.7	50.3	75.5

84 100

49 135.3 107.6 161.4

51 39.4 31.4 47.0

86 62.7 50.3 75.5



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

Time-->

4.40 4.50 4.60

4.53

30000

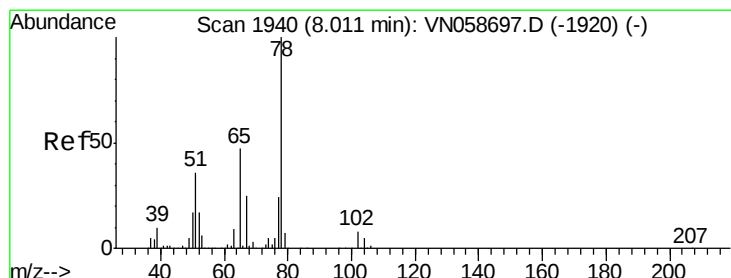
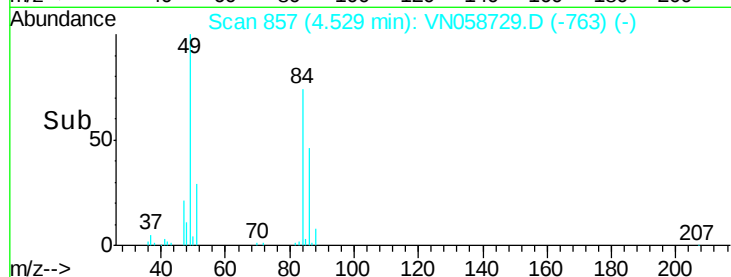
20000

10000

0

4.40 4.50 4.60

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.210 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058729.D

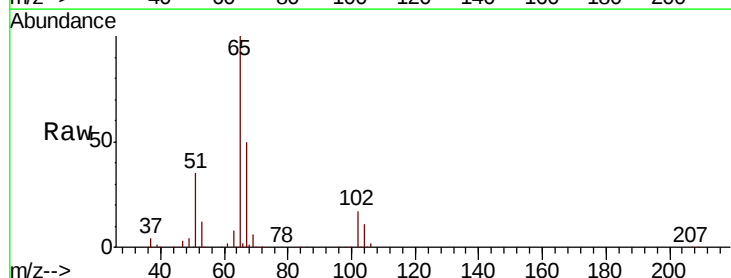
Acq: 12 Oct 2019 2:17

Tgt Ion: 65 Resp: 295258

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.8

65 100

67 51.3 0.0 103.8



Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

Time-->

7.90 8.00 8.10

8.01

150000

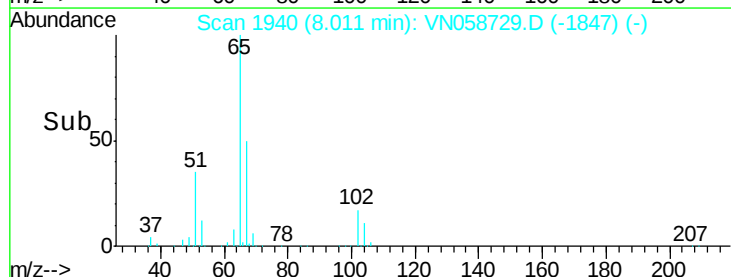
100000

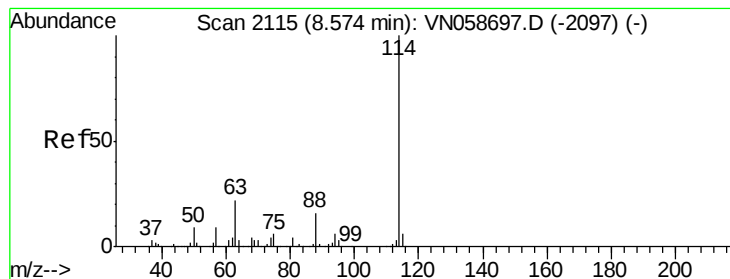
50000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058729.D

Acq: 12 Oct 2019 2:17

Instrument :

MSVOA_N

ClientSampleId :

TP-4

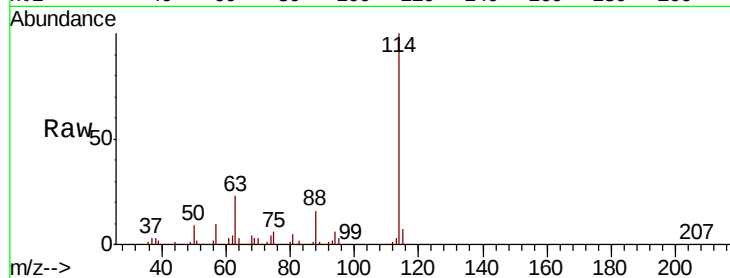
Tot Ion:114 Resp: 653790

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

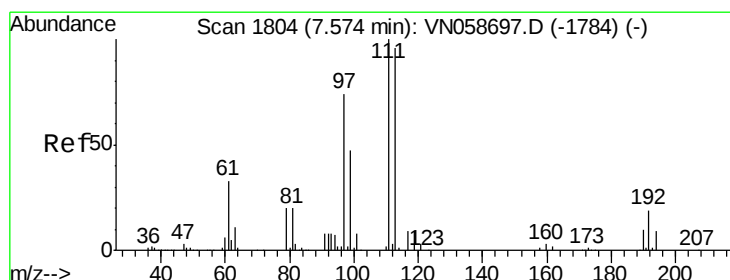
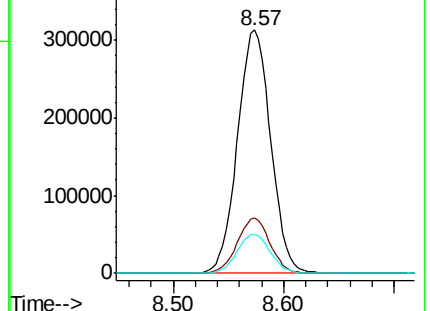
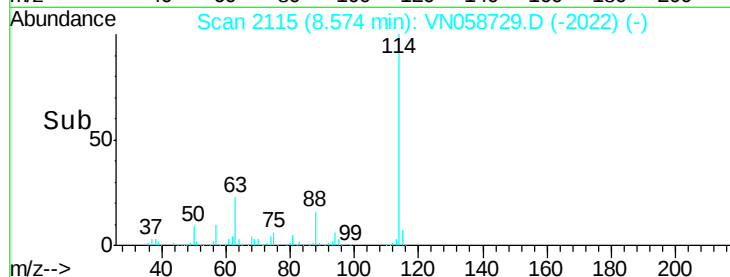
88 15.9 0.0 32.0



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: 52.771 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058729.D

Acq: 12 Oct 2019 2:17

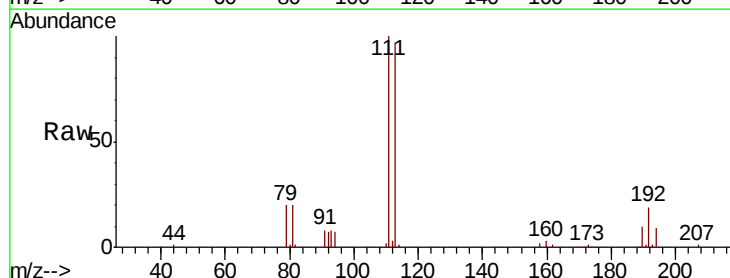
Tgt Ion:113 Resp: 213108

Ion Ratio Lower Upper

113 100

111 101.0 82.3 123.5

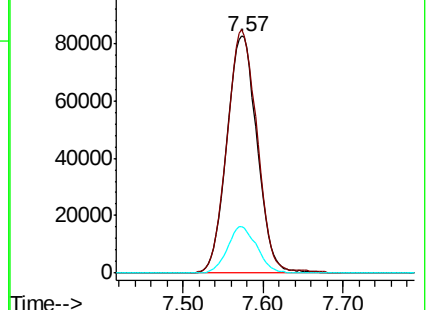
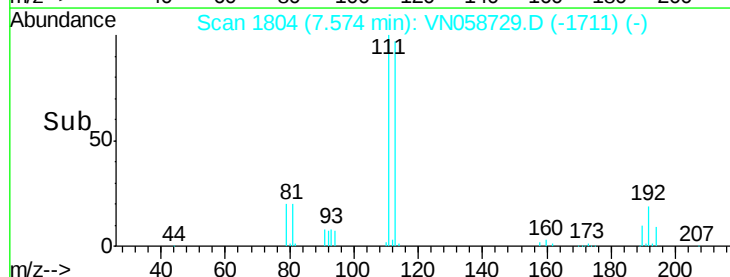
192 19.0 15.0 22.6

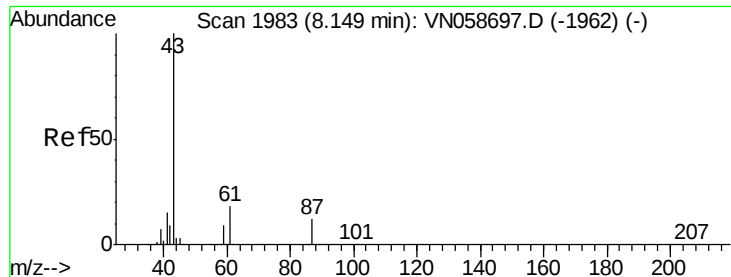


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 9.583 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058729.D

Acq: 12 Oct 2019 2:17

Instrument :

MSVOA_N

ClientSampled :

TP-4

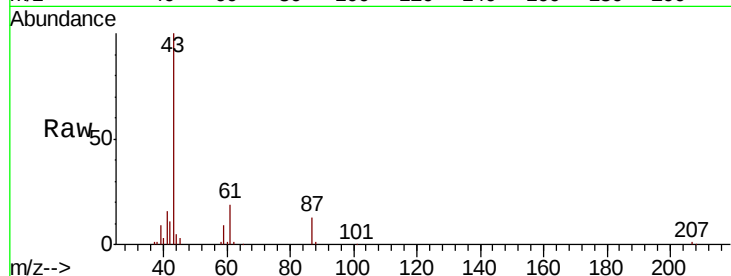
Tot Ion: 43 Resp: 109138

Ion Ratio Lower Upper

43 100

61 18.3 20.3 30.5#

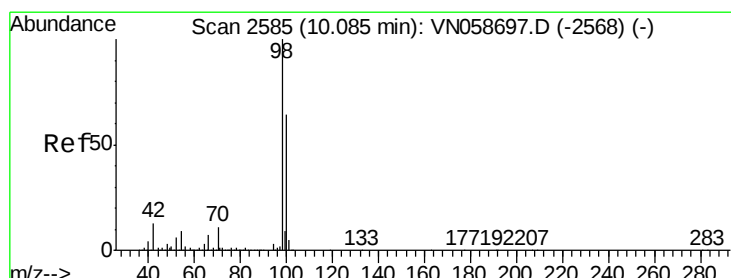
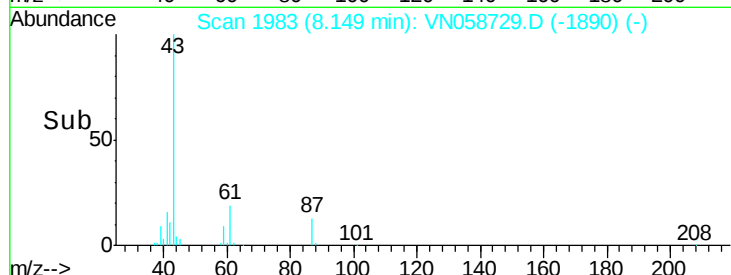
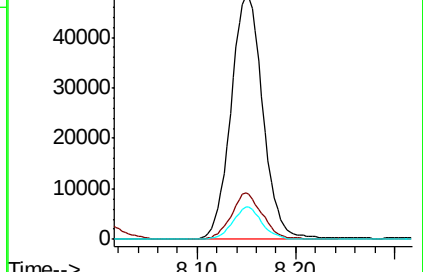
87 12.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058729.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058729.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058729.D (-1890) (-)



#50

Toluene-d8

Concen: 51.751 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058729.D

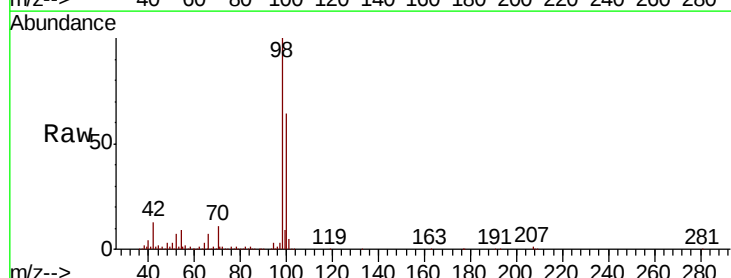
Acq: 12 Oct 2019 2:17

Tgt Ion: 98 Resp: 835708

Ion Ratio Lower Upper

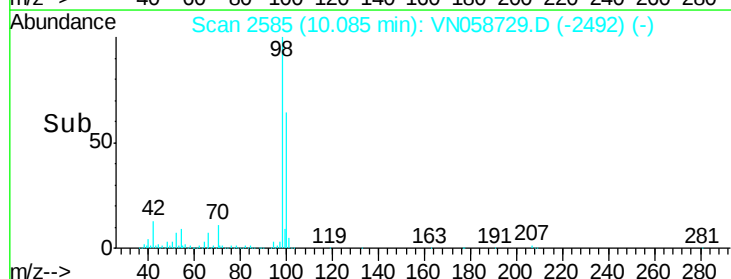
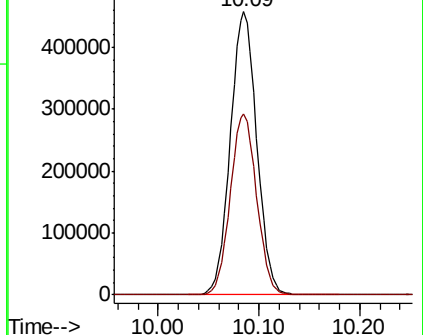
98 100

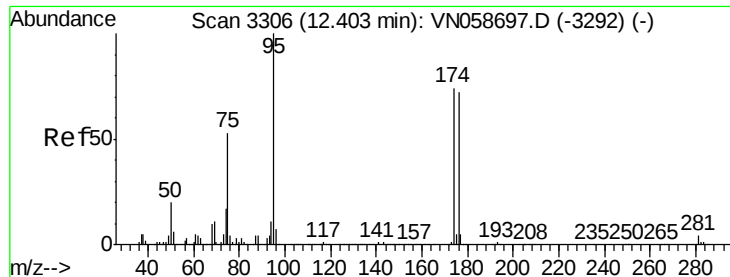
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058729.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058729.D (-2492) (-)

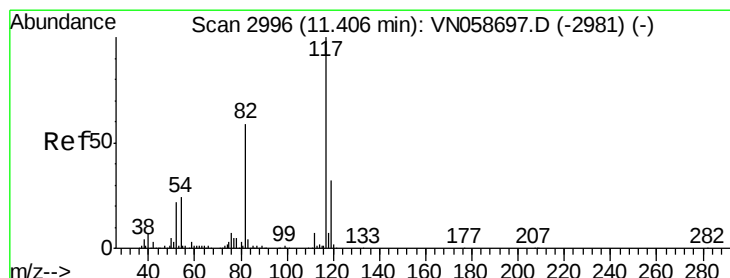
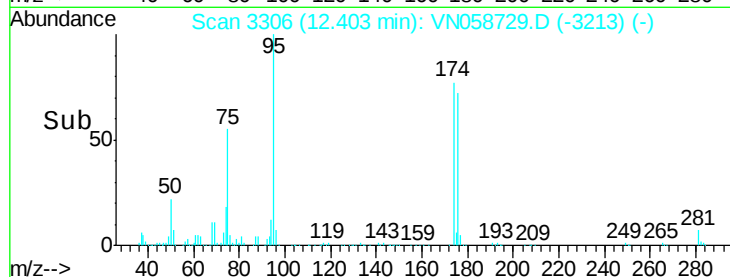
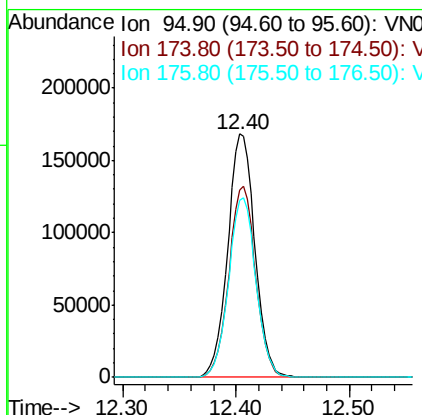
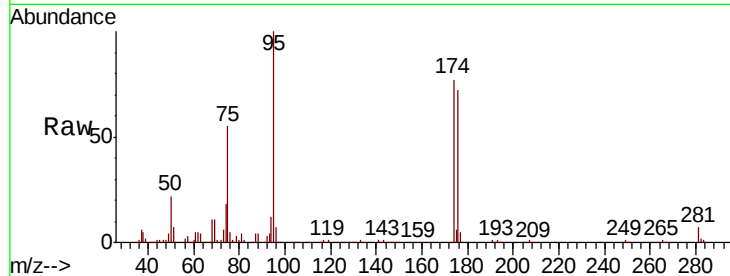




#62
4-Bromofluorobenzene
Concen: 45.919 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058729.D
Acq: 12 Oct 2019 2:17

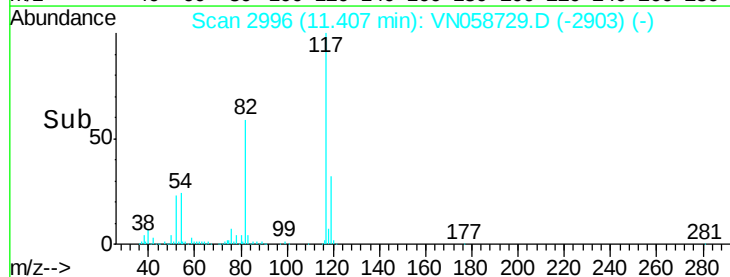
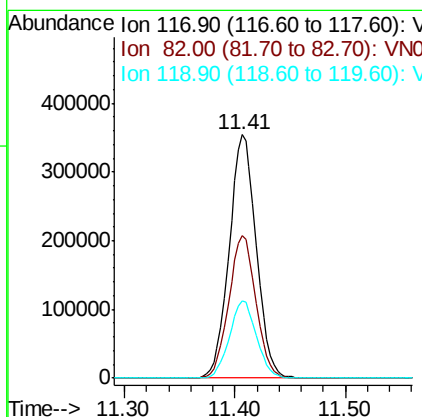
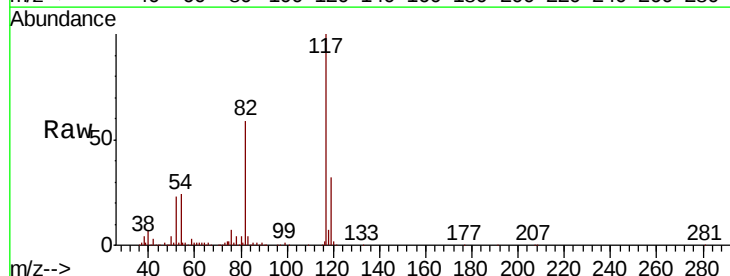
Instrument :
MSVOA_N
ClientSampled :
TP-4

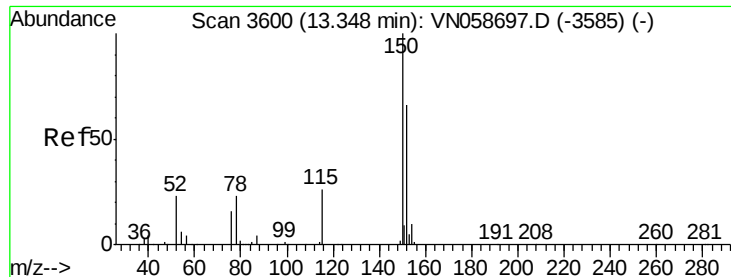
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	150.4
176	74.2	0.0	146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058729.D
Acq: 12 Oct 2019 2:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.0	70.4
119	31.8	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058729.D

Acq: 12 Oct 2019 2:17

Instrument :

MSVOA_N

ClientSampleId :

TP-4

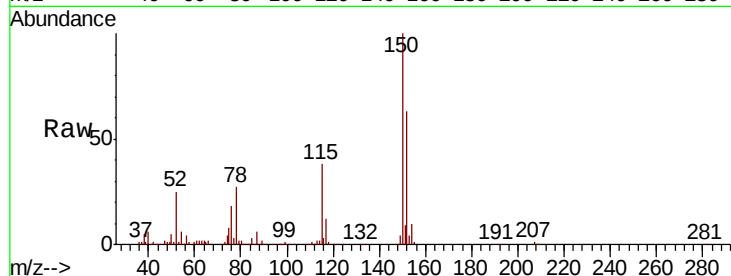
Tot Ion:152 Resp: 247816

Ion Ratio Lower Upper

152 100

115 61.1 30.4 91.2

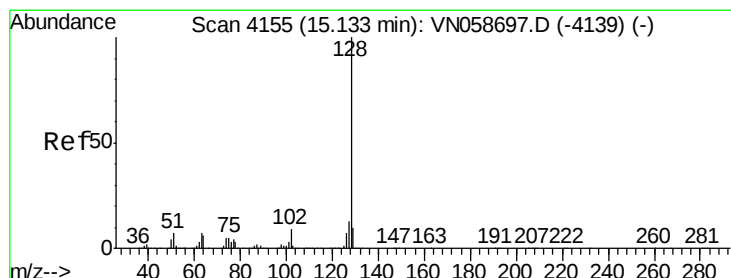
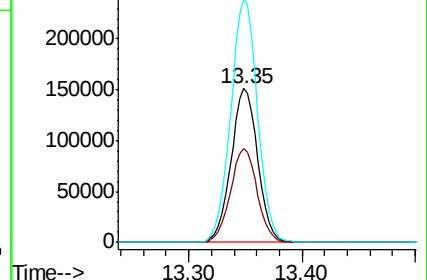
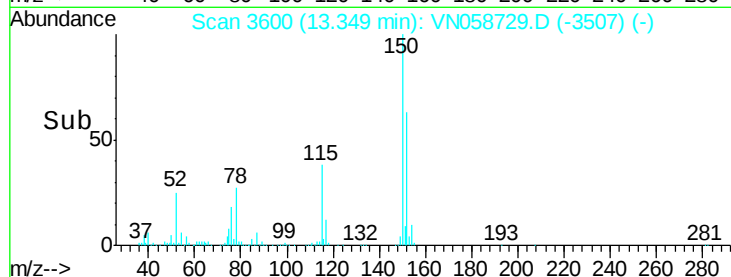
150 158.9 0.0 345.4



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: 1.961 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058729.D

Acq: 12 Oct 2019 2:17

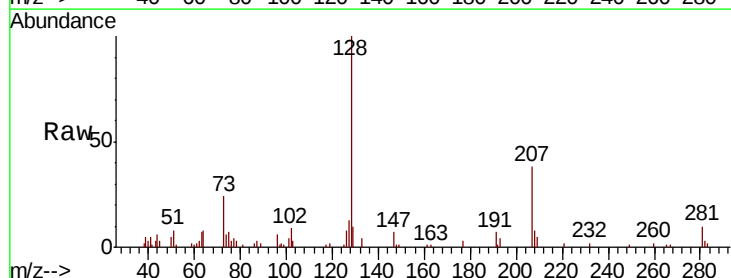
Tgt Ion:128 Resp: 26981

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 10.4 8.5 12.7



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

