

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059485.D
 Acq On : 4 Dec 2019 14:30
 Operator : JC/SP
 Sample : K6084-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30740

Quant Time: Dec 05 07:14:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

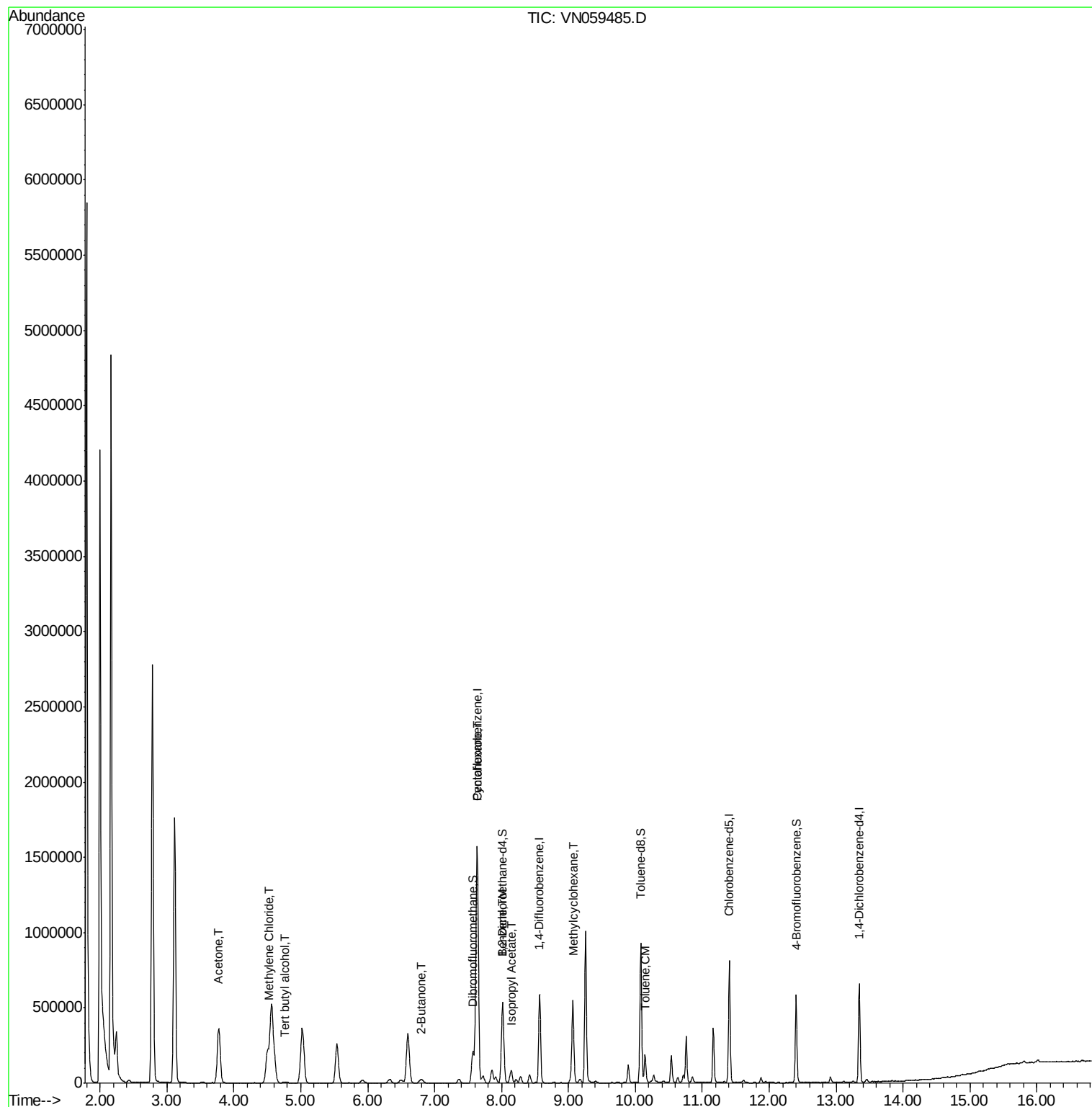
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	348107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	530839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	470110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	178523	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	206239	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
35) Dibromofluoromethane	7.57	113	160653	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
50) Toluene-d8	10.08	98	646763	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	207218	45.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.76	59	13273	16.288	ug/l #	73
16) Acetone	3.78	43	255547	102.755	ug/l #	57
20) Methylene Chloride	4.52	84	11891	1.762	ug/l #	62
25) 2-Butanone	6.81	43	30501	9.280	ug/l #	89
31) Cyclohexane	7.63	56	780199	107.088	ug/l	99
39) Methylcyclohexane	9.07	83	241391	36.312	ug/l	99
40) Benzene	8.02	78	391706	24.215	ug/l	100
43) Isopropyl Acetate	8.15	43	74366	8.103	ug/l #	86
52) Toluene	10.15	92	81264	8.306	ug/l	99

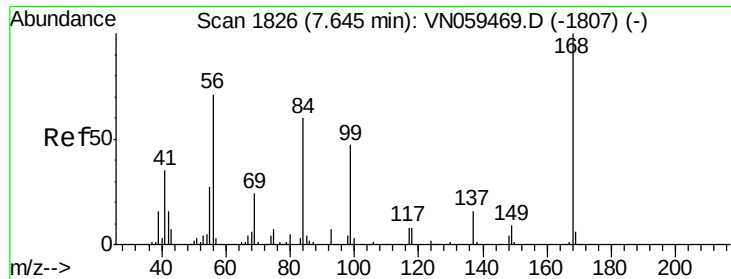
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120419\
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Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA_N

ClientSampled :

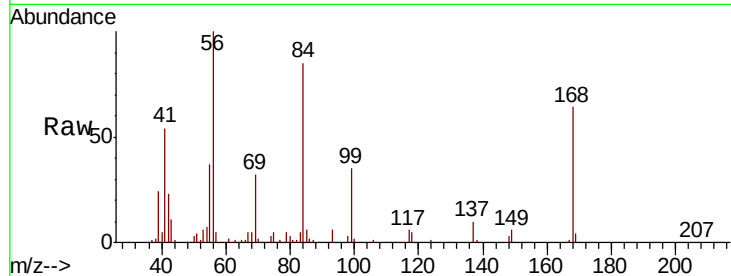
30740

Tot Ion:168 Resp: 348107

Ion Ratio Lower Upper

168 100

99 55.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): VN059469.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059469.D (-1807) (-)

7.64

150000

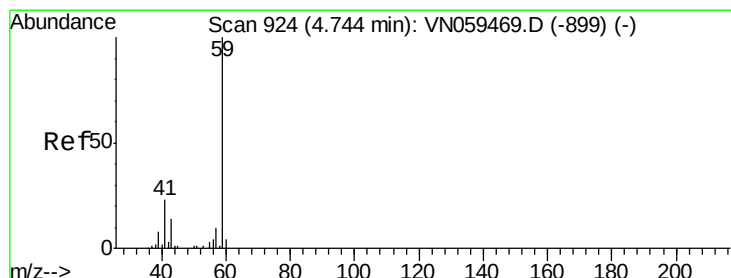
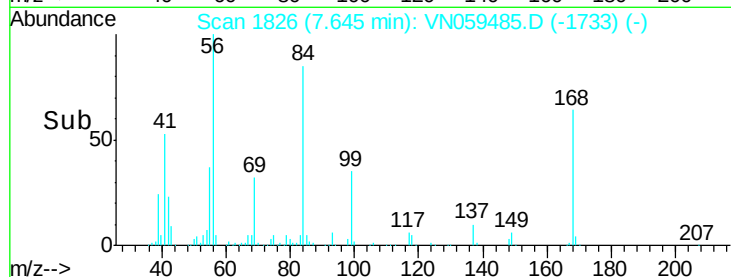
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 16.288 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.01 min

Lab File: VN059485.D

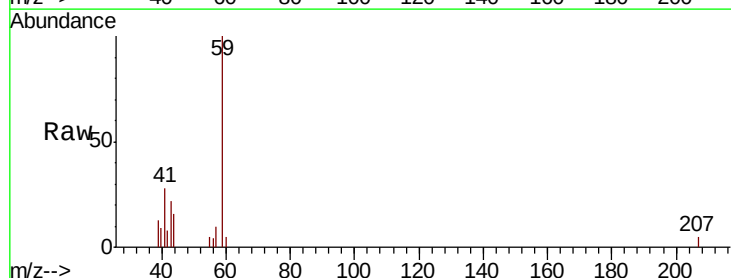
Acq: 4 Dec 2019 14:30

Tgt Ion: 59 Resp: 13273

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN059469.D (-899) (-)

Ion 57.00 (56.70 to 57.70): VN059469.D (-899) (-)

4.76

4000

3000

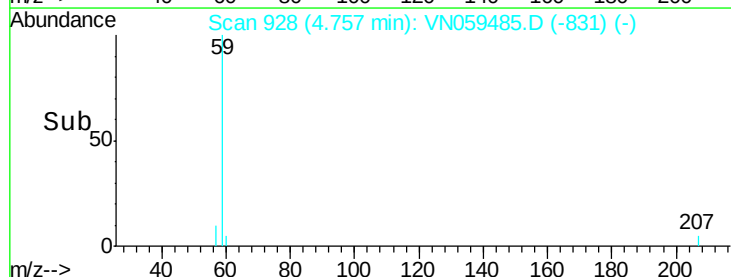
2000

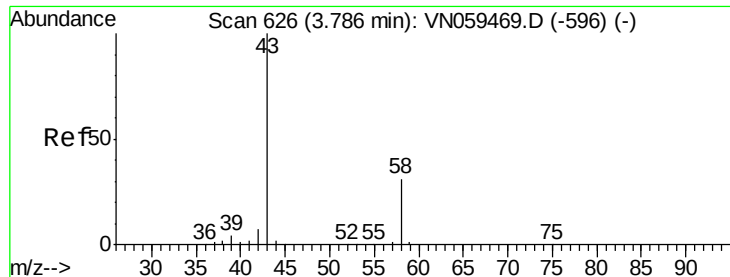
1000

0

4.70 4.80 4.90

Time-->





#16

Acetone

Concen: 102.755 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA_N

ClientSampled :

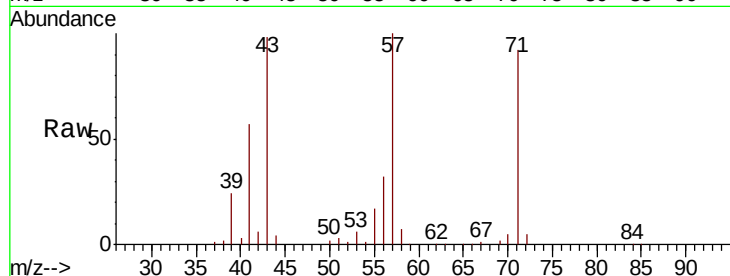
30740

Tot Ion: 43 Resp: 255547

Ion Ratio Lower Upper

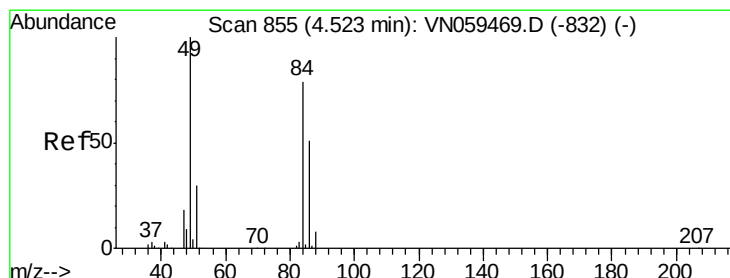
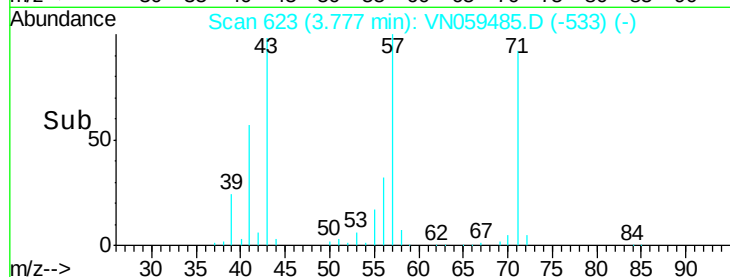
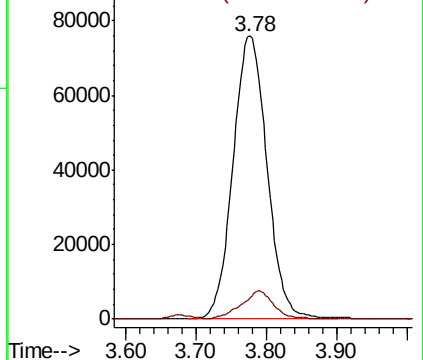
43 100

58 7.6 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 1.762 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Tgt Ion: 84 Resp: 11891

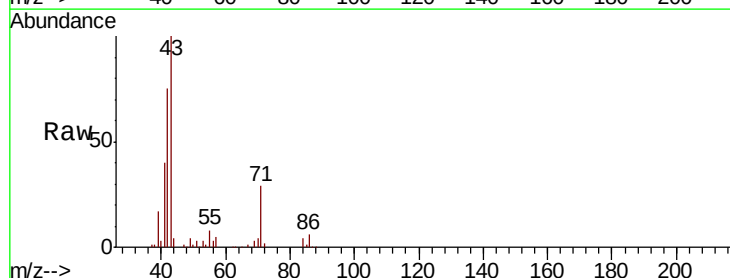
Ion Ratio Lower Upper

84 100

49 106.4 101.1 151.7

51 60.6 30.7 46.1#

86 127.0 51.4 77.0#

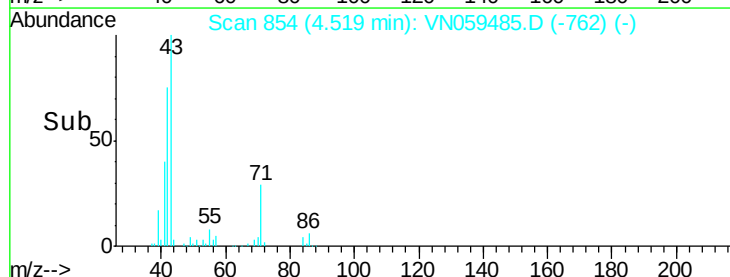
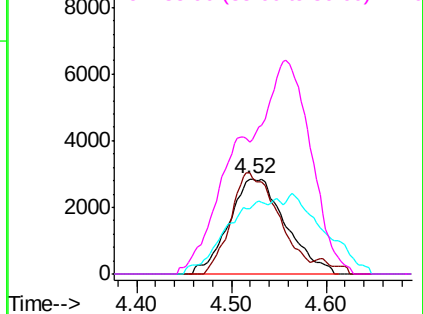


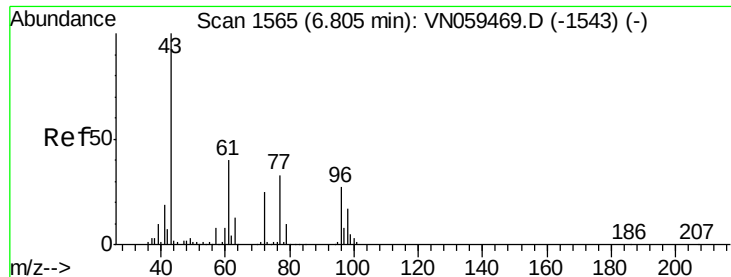
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#25

2-Butanone

Concen: 9.280 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA_N

ClientSampled :

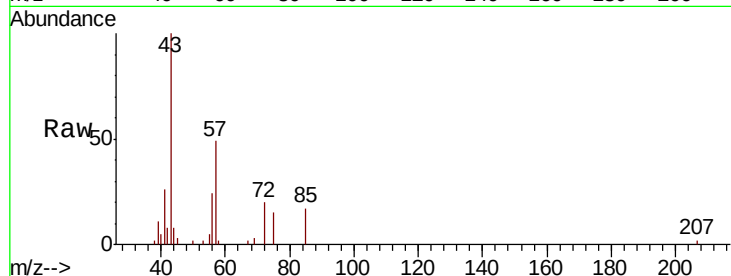
30740

Tot Ion: 43 Resp: 30501

Ion Ratio Lower Upper

43 100

72 19.6 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

8000

6000

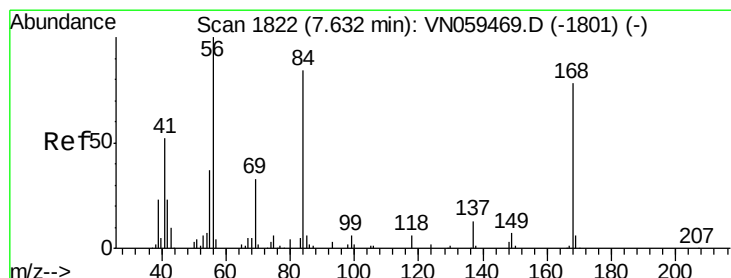
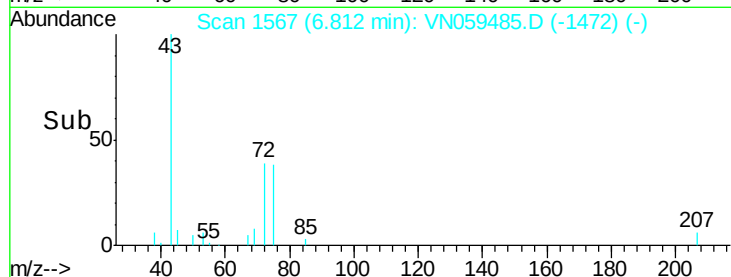
4000

2000

0

6.70 6.80 6.90

Time-->



#31

Cyclohexane

Concen: 107.088 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

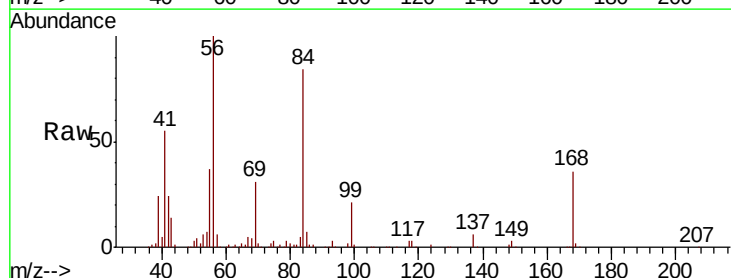
Tgt Ion: 56 Resp: 780199

Ion Ratio Lower Upper

56 100

69 31.5 26.2 39.4

84 84.3 66.8 100.2



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

7.63

400000

300000

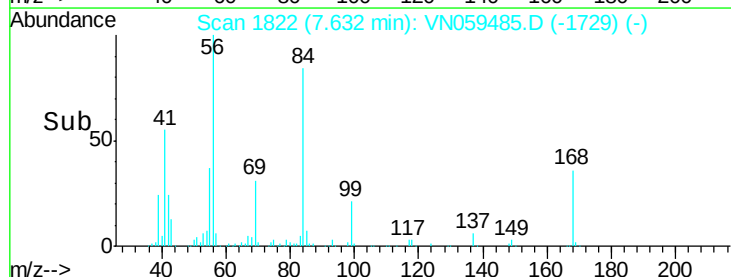
200000

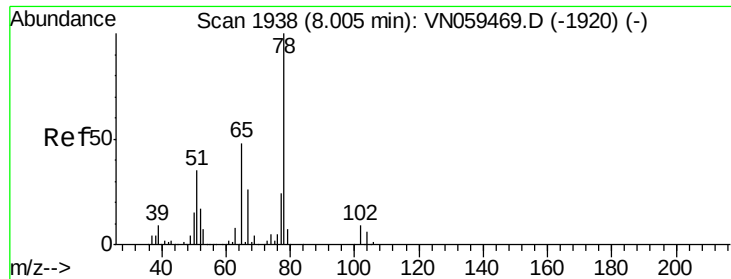
100000

0

7.50 7.60 7.70

Time-->

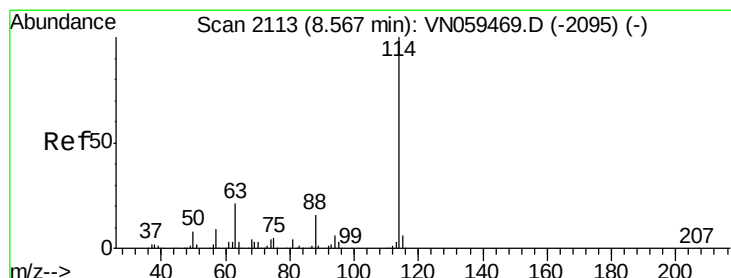
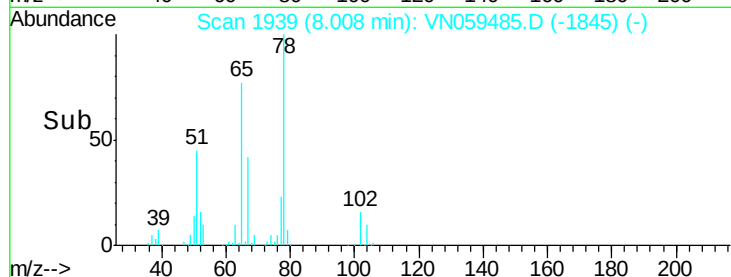
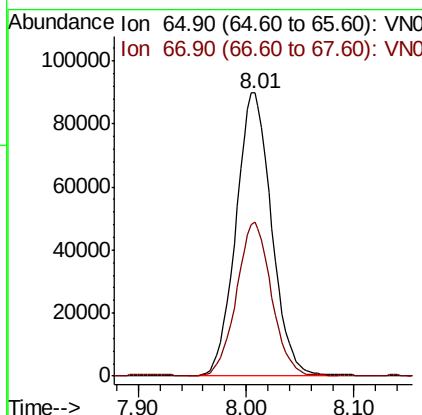
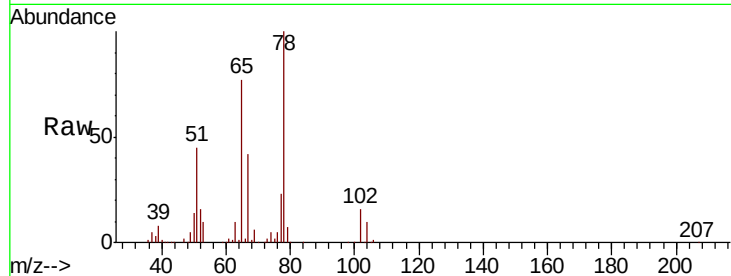




#33
 1,2-Dichloroethane-d4
 Concen: 47.692 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059485.D
 Acq: 4 Dec 2019 14:30

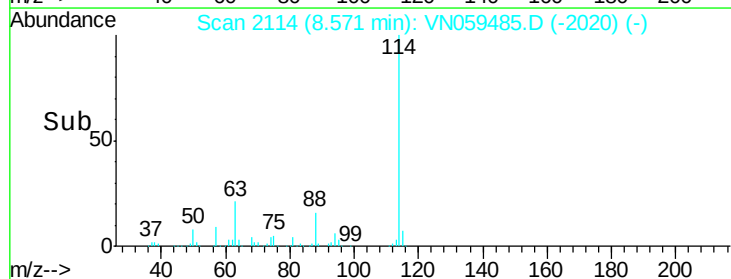
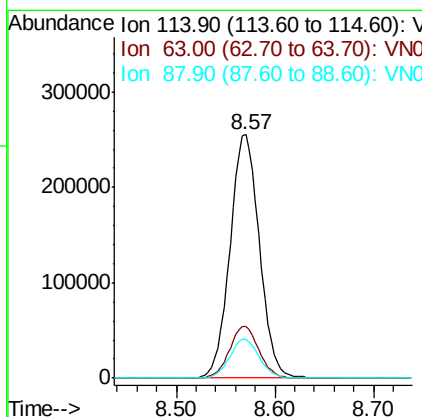
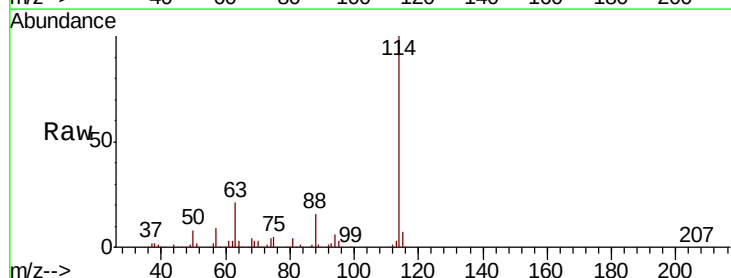
Instrument :
 MSVOA_N
 ClientSampleId :
 30740

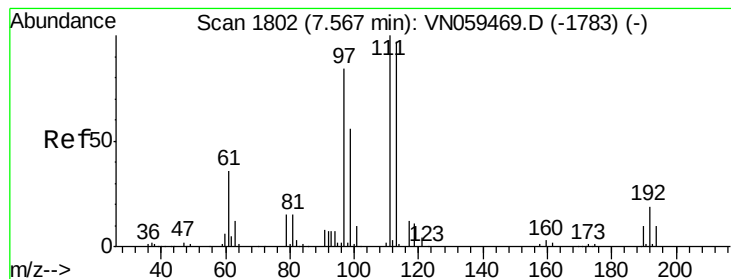
Tot Ion: 65 Resp: 206239
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059485.D
 Acq: 4 Dec 2019 14:30

Tgt Ion: 114 Resp: 530839
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.591 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

30740

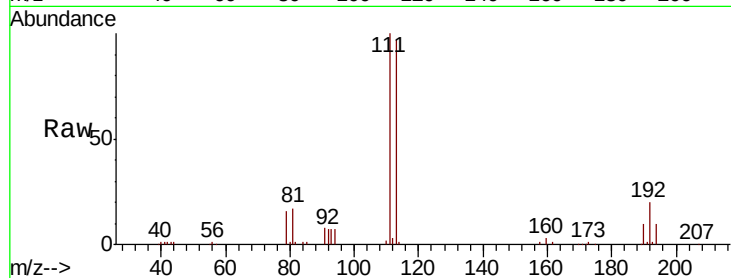
Tot Ion:113 Resp: 160653

Ion Ratio Lower Upper

113 100

111 102.7 82.5 123.7

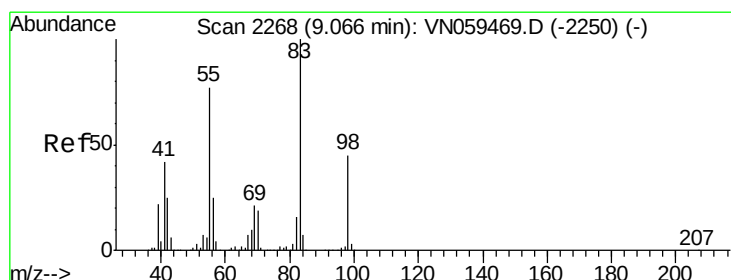
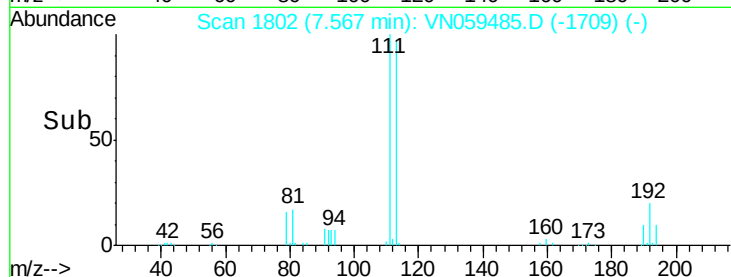
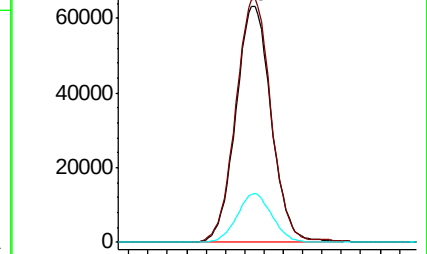
192 20.4 16.1 24.1



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



#39

Methylcyclohexane

Concen: 36.312 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

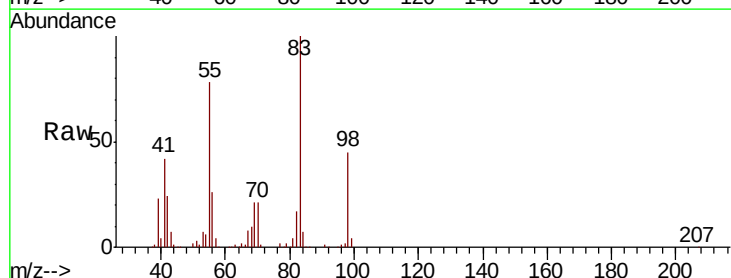
Tgt Ion: 83 Resp: 241391

Ion Ratio Lower Upper

83 100

55 78.1 61.8 92.6

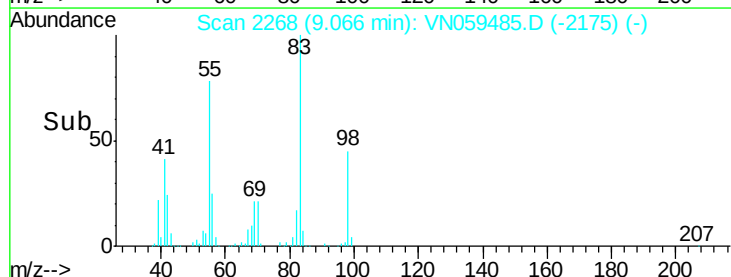
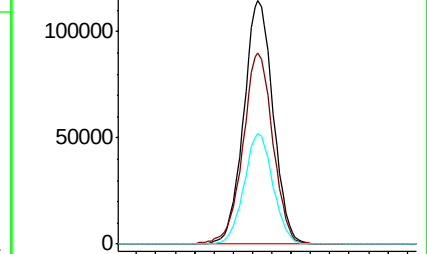
98 45.4 36.2 54.2

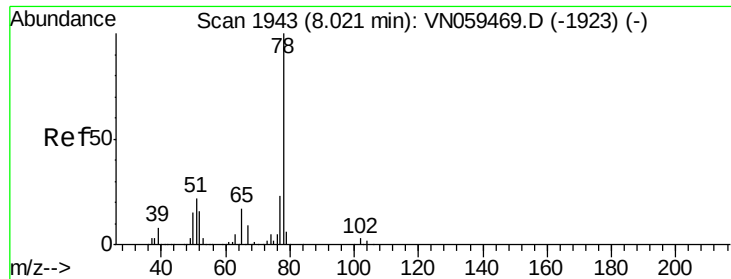


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 24.215 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

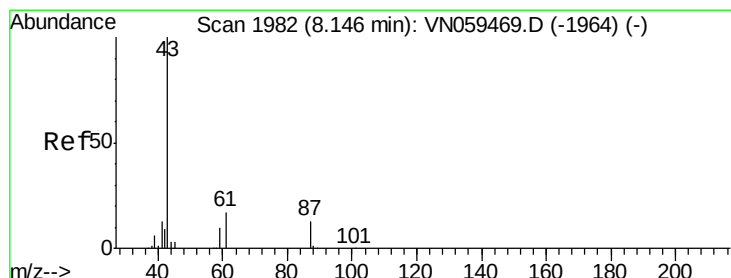
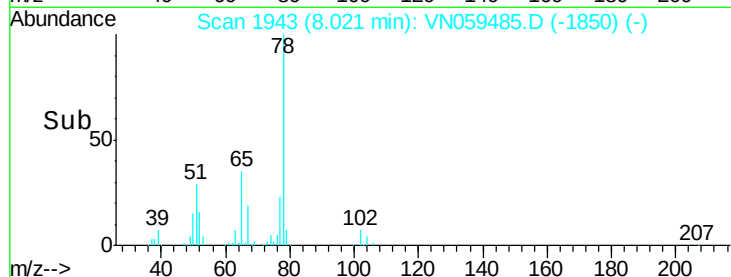
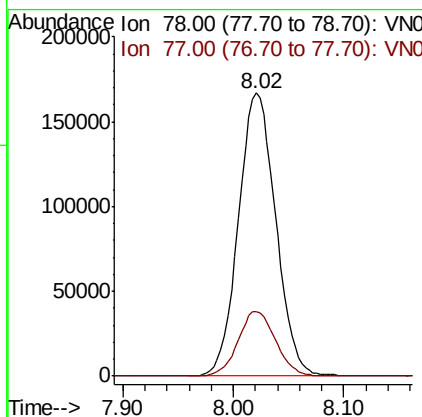
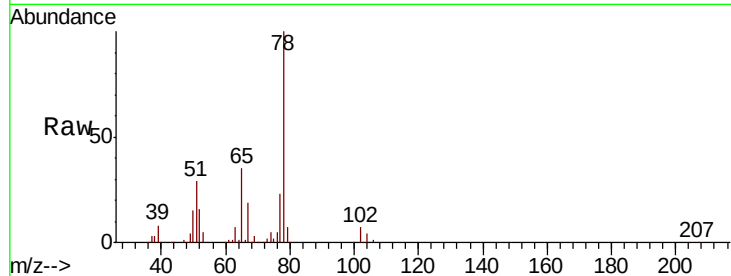
30740

Tot Ion: 78 Resp: 391706

Ion Ratio Lower Upper

78 100

77 22.8 18.2 27.2



#43

Isopropyl Acetate

Concen: 8.103 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

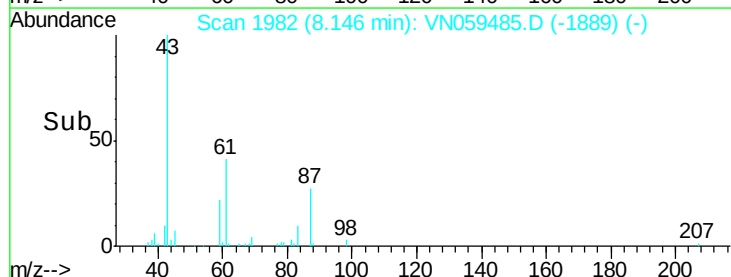
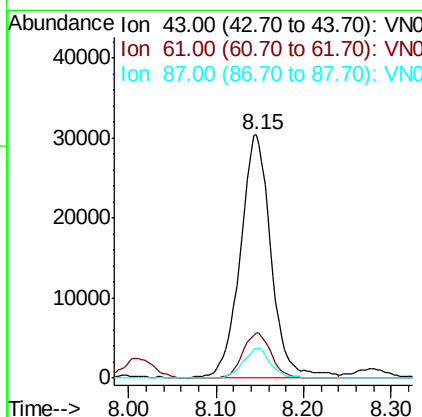
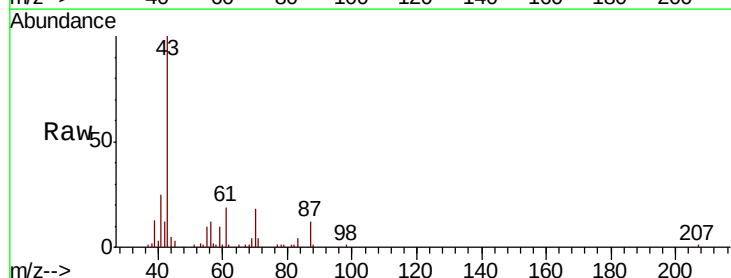
Tgt Ion: 43 Resp: 74366

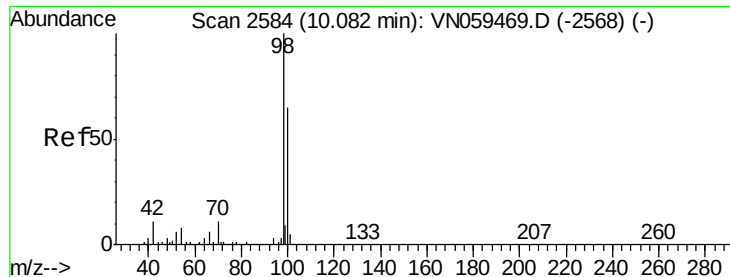
Ion Ratio Lower Upper

43 100

61 17.0 21.0 31.6#

87 10.7 10.4 15.6





#50

Toluene-d8

Concen: 49.615 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

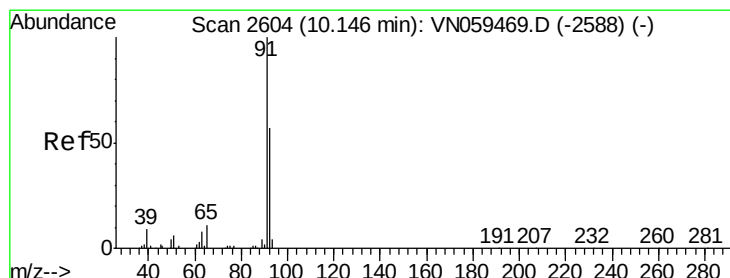
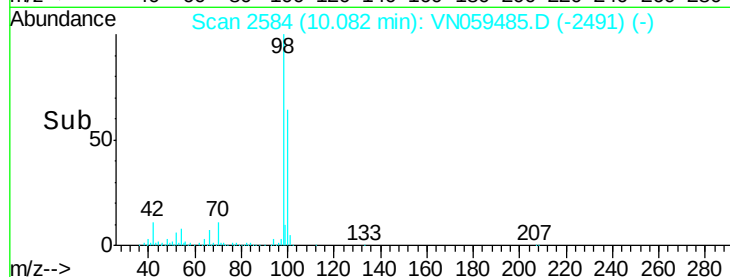
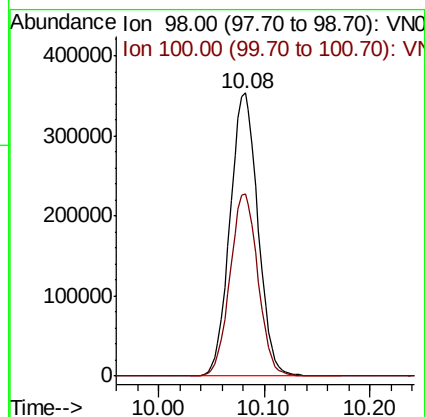
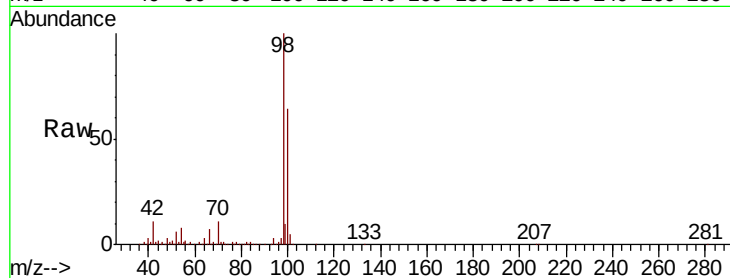
30740

Tot Ion: 98 Resp: 646763

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#52

Toluene

Concen: 8.306 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059485.D

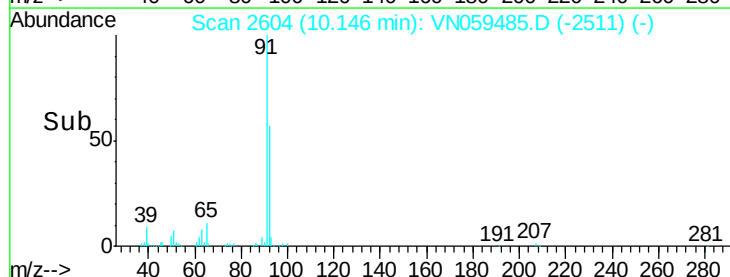
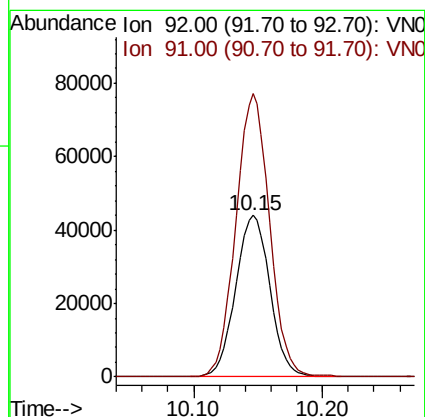
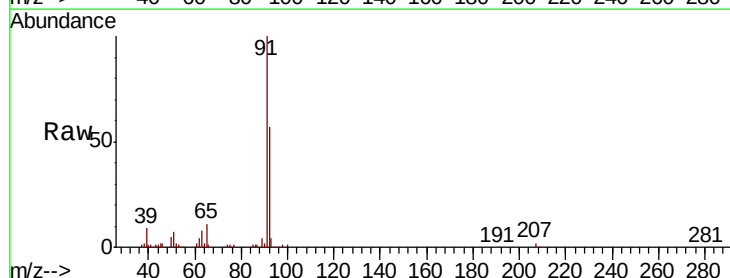
Acq: 4 Dec 2019 14:30

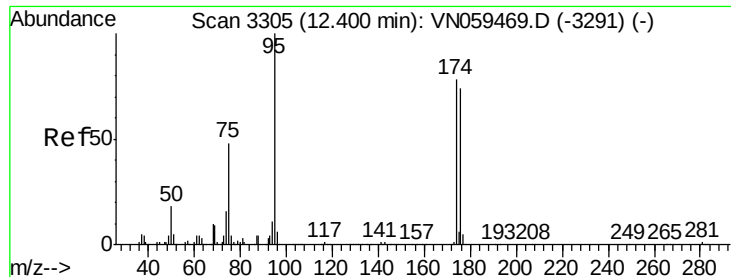
Tgt Ion: 92 Resp: 81264

Ion Ratio Lower Upper

92 100

91 172.5 138.6 208.0

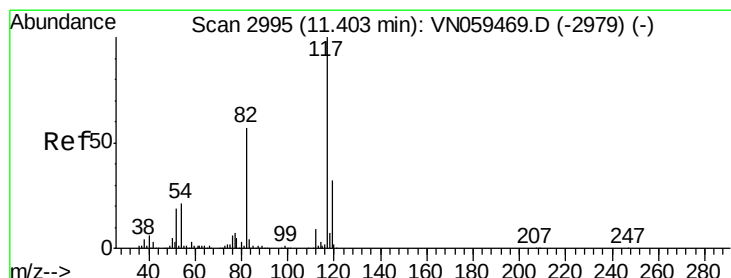
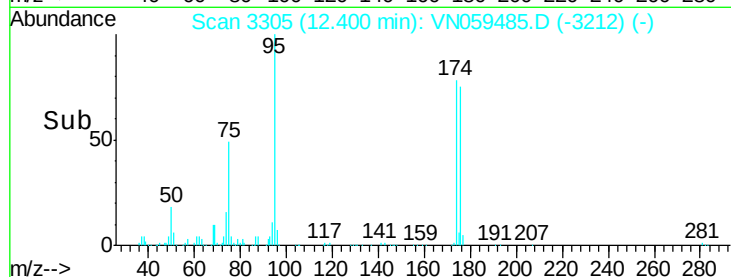
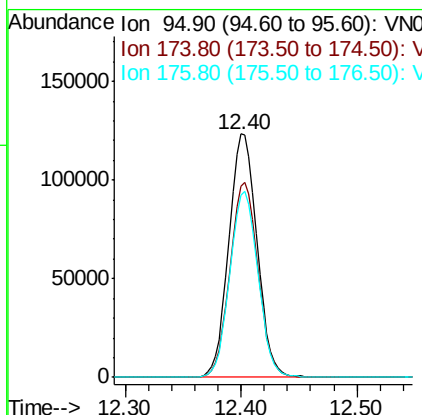
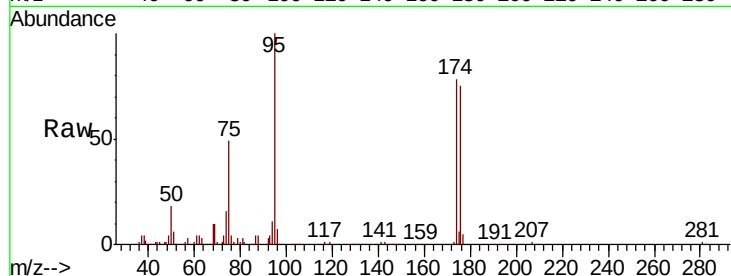




#62
 4-Bromofluorobenzene
 Concen: 45.518 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059485.D
 Acq: 4 Dec 2019 14:30

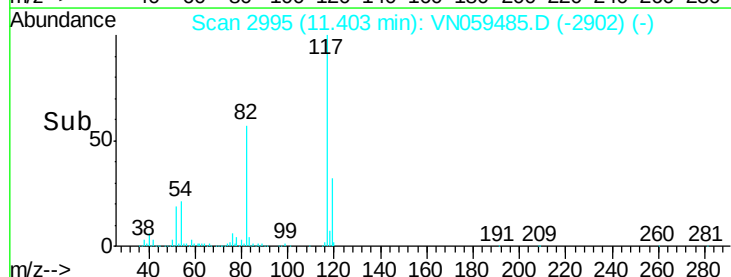
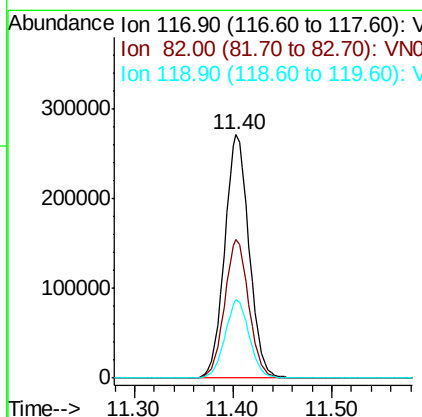
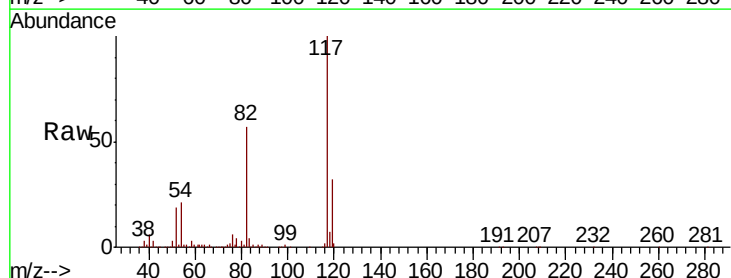
Instrument :
 MSVOA_N
 ClientSampleId :
 30740

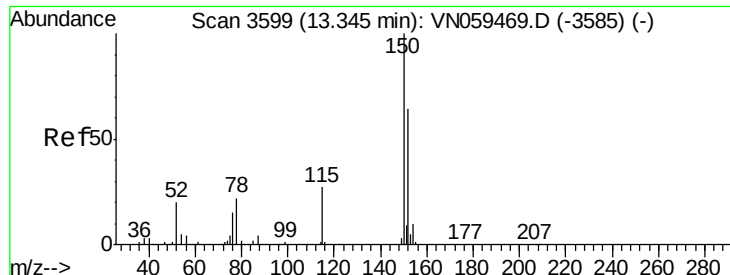
Tot Ion: 95 Resp: 207218
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 157.0
 176 76.3 0.0 152.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. -0.00 min
 Lab File: VN059485.D
 Acq: 4 Dec 2019 14:30

Tgt Ion: 117 Resp: 470110
 Ion Ratio Lower Upper
 117 100
 82 57.0 45.8 68.8
 119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059485.D

Acq: 4 Dec 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

30740

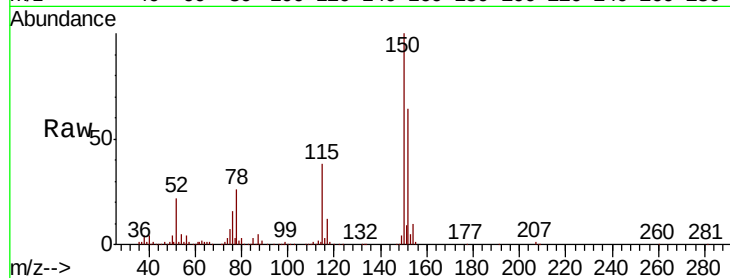
Tot Ion:152 Resp: 178523

Ion Ratio Lower Upper

152 100

115 58.8 29.2 87.6

150 156.2 0.0 352.8



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

