

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111918\
 Data File : VN052397.D
 Acq On : 19 Nov 2018 20:40
 Operator : MD\SY
 Sample : J5954-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OWS-1

Quant Time: Nov 20 08:02:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	302334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	503328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162398	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	220959	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
35) Dibromofluoromethane	7.59	113	166378	51.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.50%	
50) Toluene-d8	10.09	98	643413	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	198093	47.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.30%	

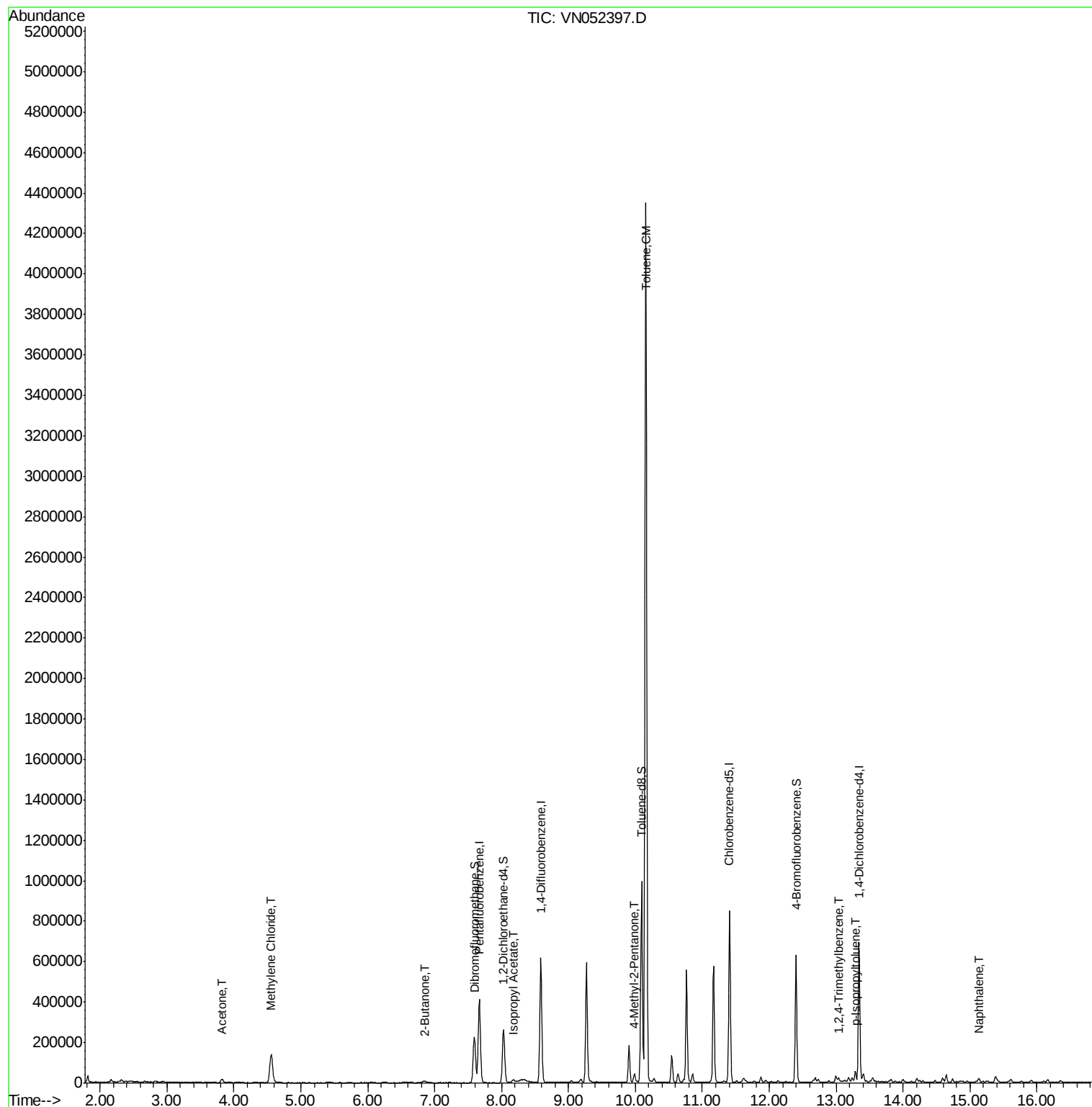
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	31770	27.02	ug/l	89
20) Methylene Chloride	4.56	84	90886	25.06	ug/l	98
25) 2-Butanone	6.85	43	17354	10.49	ug/l #	90
43) Isopropyl Acetate	8.17	43	19428	2.75	ug/l #	90
51) 4-Methyl-2-Pentanone	9.99	43	36158	10.17	ug/l	92
52) Toluene	10.16	92	1731822	200.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10942	1.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	28162	2.66	ug/l	97
95) Naphthalene	15.13	128	15744	5.20	ug/l	99

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052397.D

Acq: 19 Nov 2018 20:40

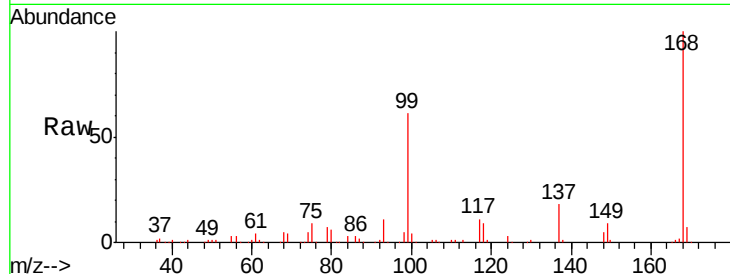
Instrument :
MSVOA_N
ClientSampleId :
OWS-1

Tgt Ion: 168 Resp: 302334

Ion Ratio Lower Upper

168 100

99 61.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

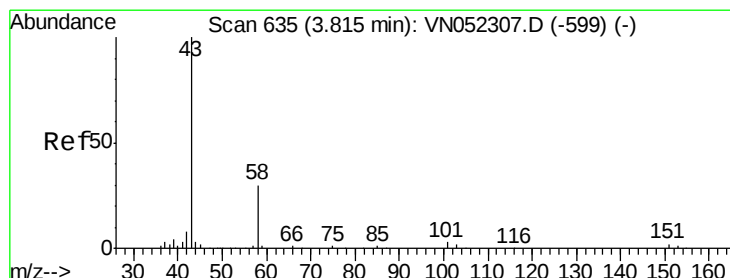
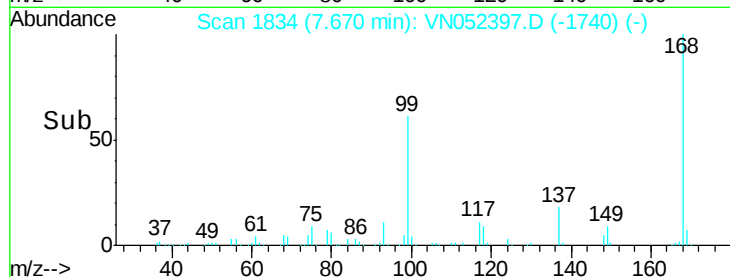
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 27.02 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052397.D

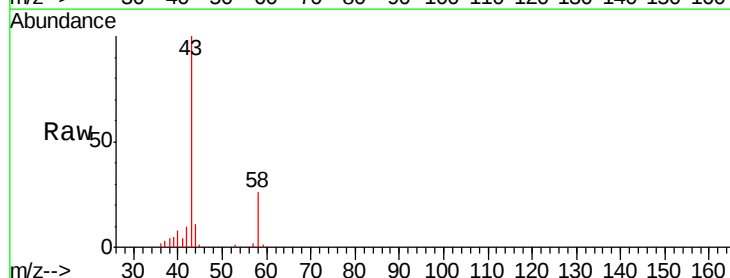
Acq: 19 Nov 2018 20:40

Tgt Ion: 43 Resp: 31770

Ion Ratio Lower Upper

43 100

58 24.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

3.82

12000

10000

8000

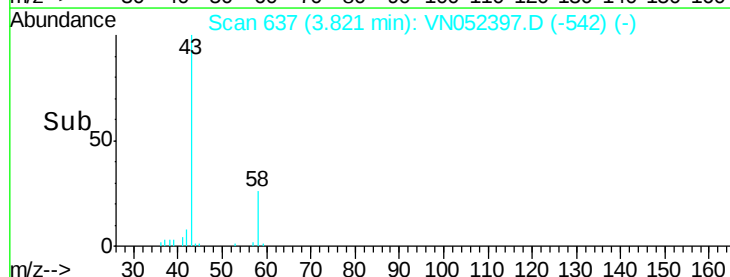
6000

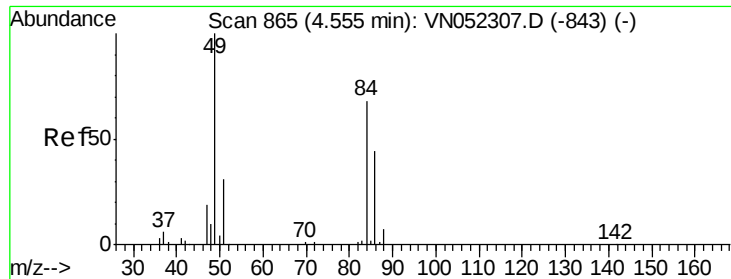
4000

2000

0

Time--> 3.70 3.80 3.90

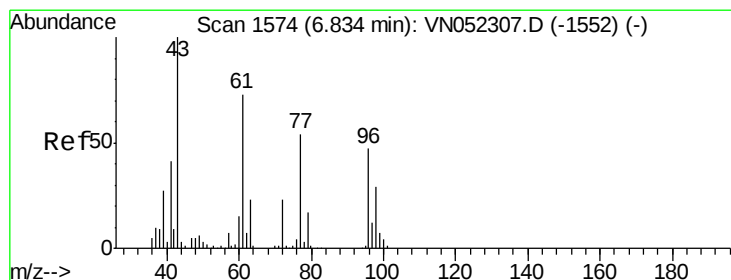
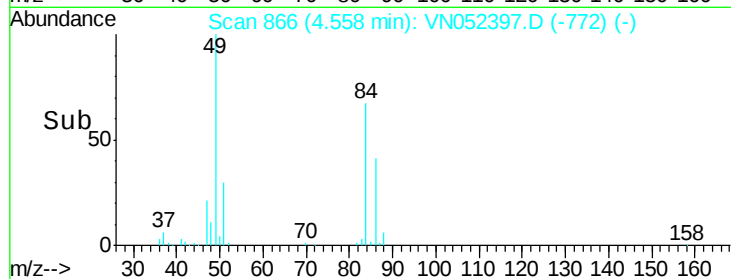
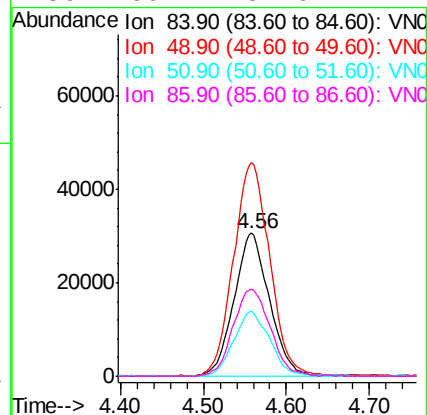
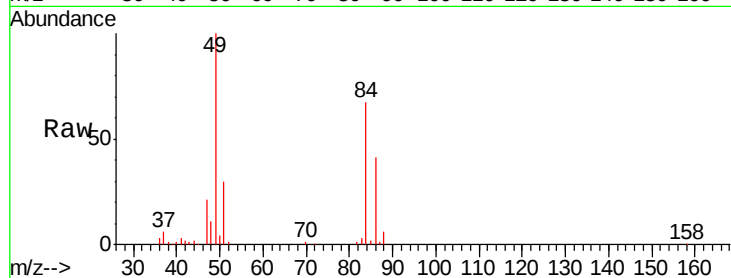




#20
Methylene Chloride
Concen: 25.06 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052397.D
Acq: 19 Nov 2018 20:40

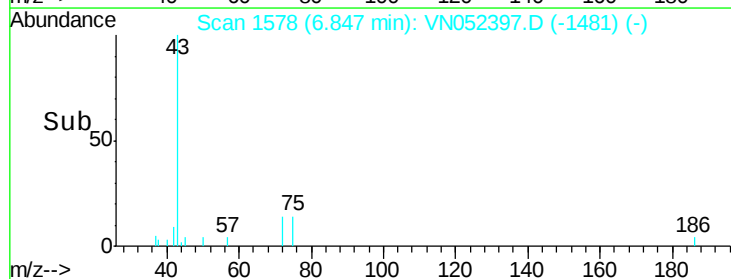
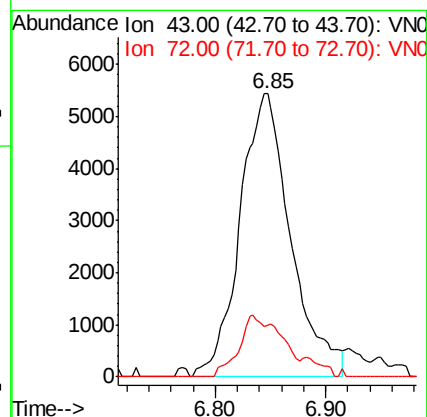
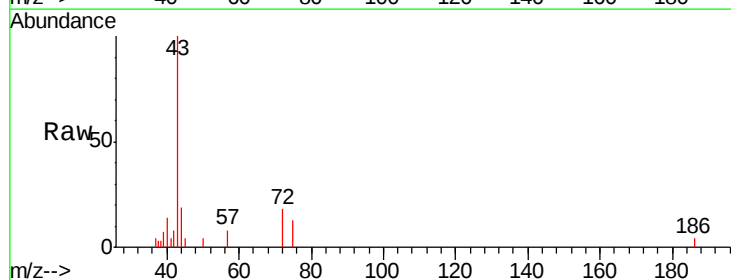
Instrument :
MSVOA_N
ClientSampleId :
OWS-1

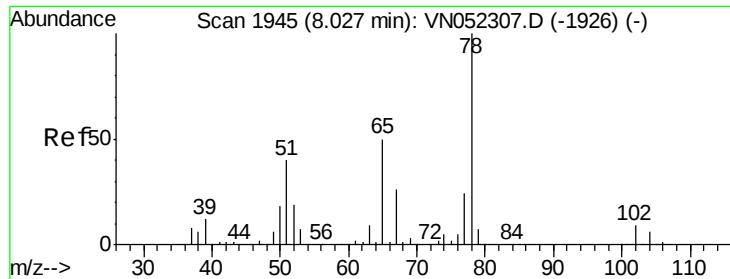
Tgt Ion:	84	Resp:	90886
Ion	Ratio	Lower	Upper
84	100		
49	149.5	118.2	177.2
51	45.3	36.1	54.1
86	60.7	51.6	77.4



#25
2-Butanone
Concen: 10.49 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052397.D
Acq: 19 Nov 2018 20:40

Tgt Ion:	43	Resp:	17354
Ion	Ratio	Lower	Upper
43	100		
72	18.3	18.6	27.8#

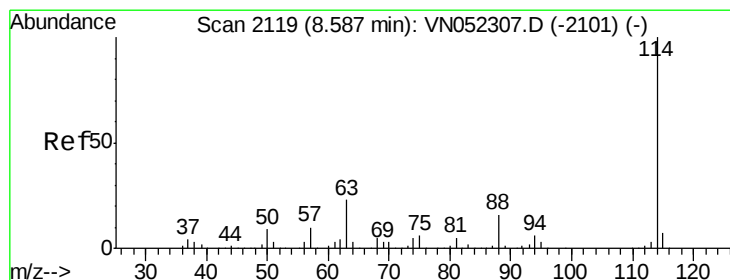
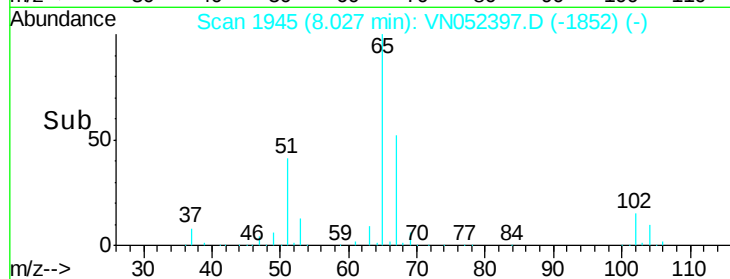
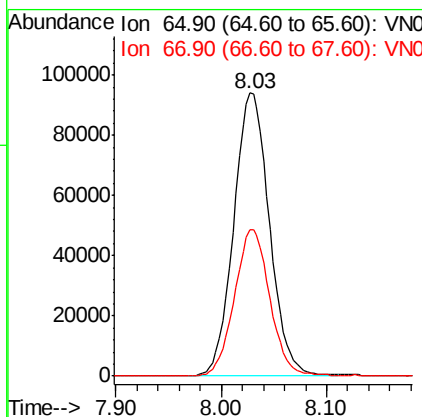
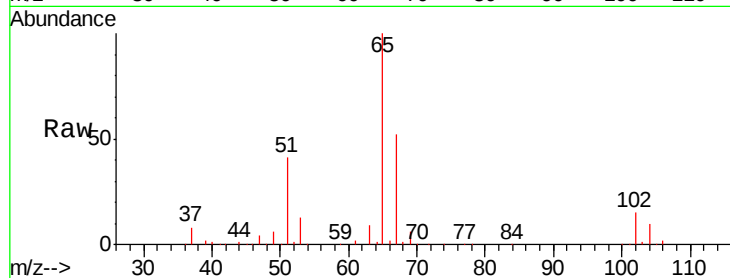




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052397.D
 Acq: 19 Nov 2018 20:40

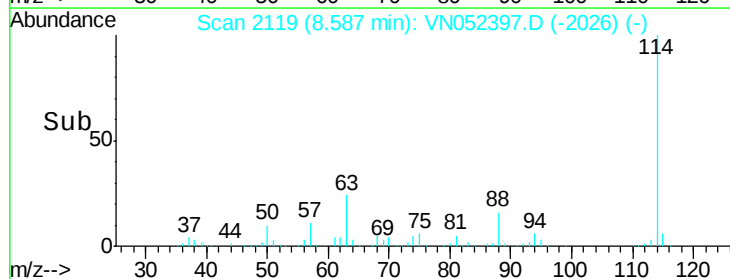
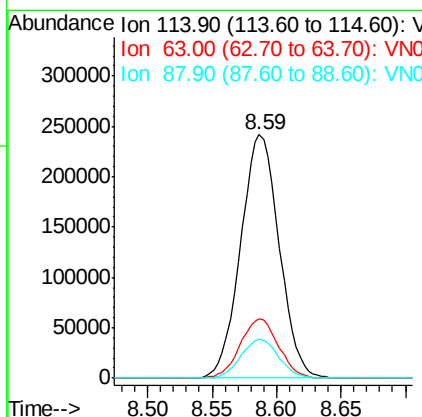
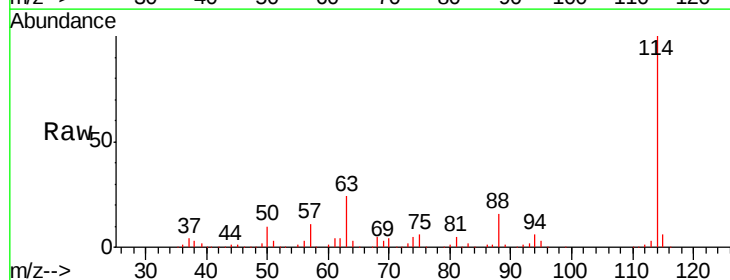
Instrument :
 MSVOA_N
 ClientSampled :
 OWS-1

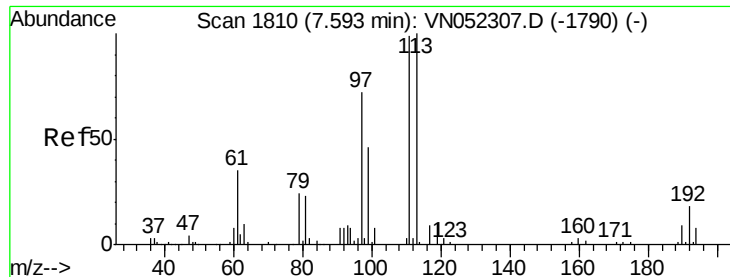
Tgt Ion: 65 Resp: 220959
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052397.D
 Acq: 19 Nov 2018 20:40

Tgt Ion: 114 Resp: 503328
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 45.4
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052397.D

Acq: 19 Nov 2018 20:40

Instrument :
MSVOA_N
ClientSampleId :
OWS-1

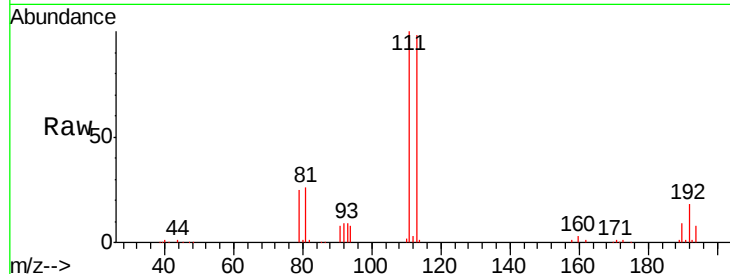
Tgt Ion: 113 Resp: 166378

Ion Ratio Lower Upper

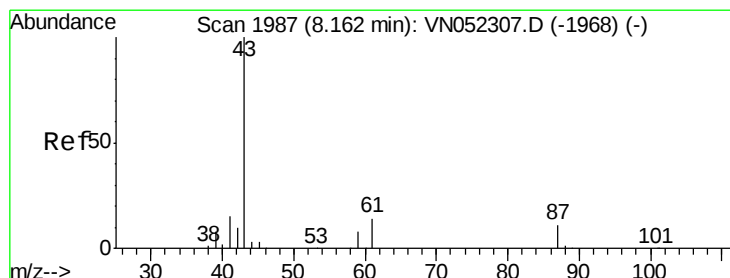
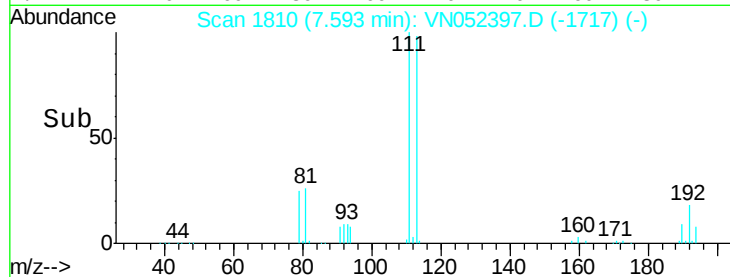
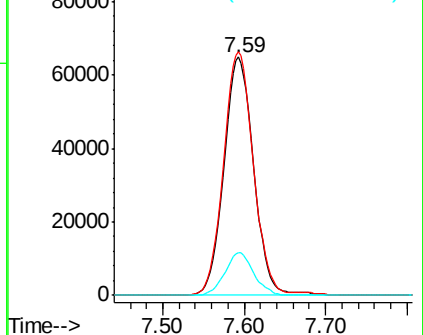
113 100

111 102.2 81.0 121.6

192 17.4 13.8 20.6



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: 2.75 ug/l

RT: 8.17 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN052397.D

Acq: 19 Nov 2018 20:40

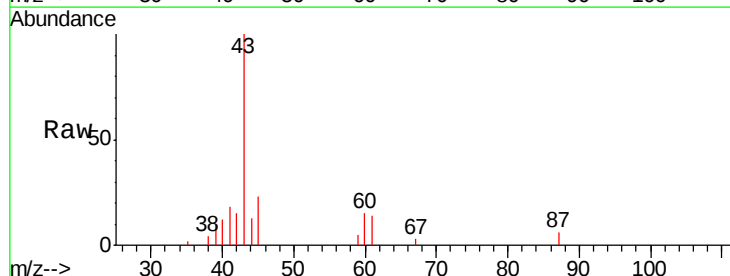
Tgt Ion: 43 Resp: 19428

Ion Ratio Lower Upper

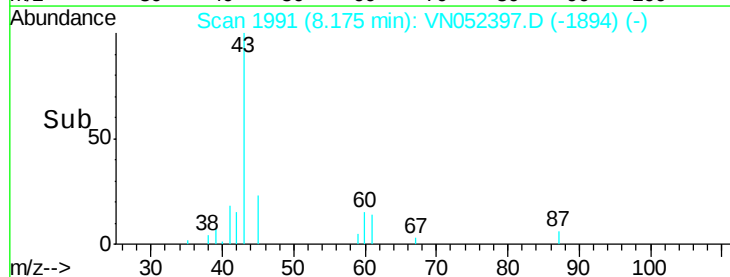
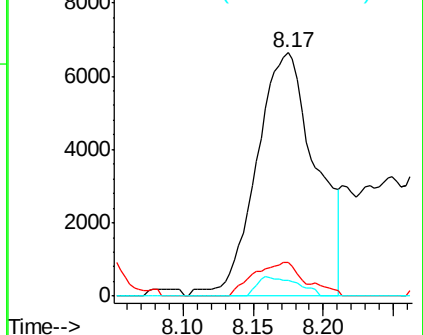
43 100

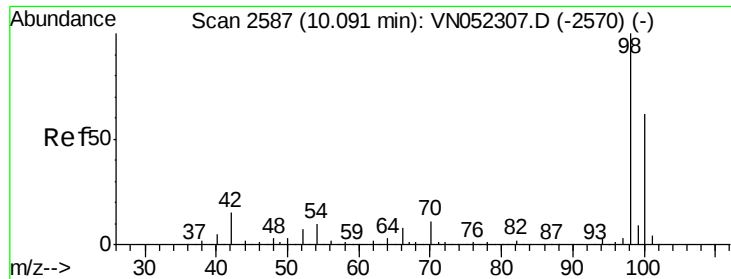
61 12.1 12.0 18.0

87 5.3 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052397.D

Acq: 19 Nov 2018 20:40

Instrument :

MSVOA_N

ClientSampled :

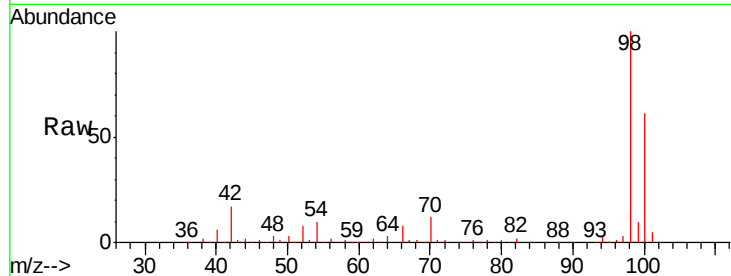
OWS-1

Tgt Ion: 98 Resp: 643413

Ion Ratio Lower Upper

98 100

100 61.7 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)

10.09

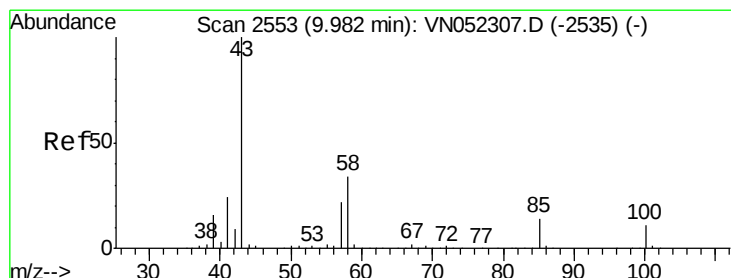
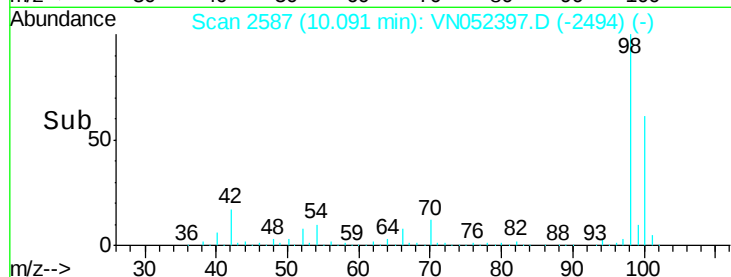
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 10.17 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052397.D

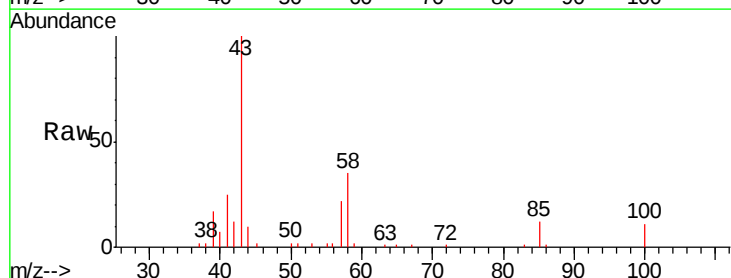
Acq: 19 Nov 2018 20:40

Tgt Ion: 43 Resp: 36158

Ion Ratio Lower Upper

43 100

58 29.2 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

9.99

50000

40000

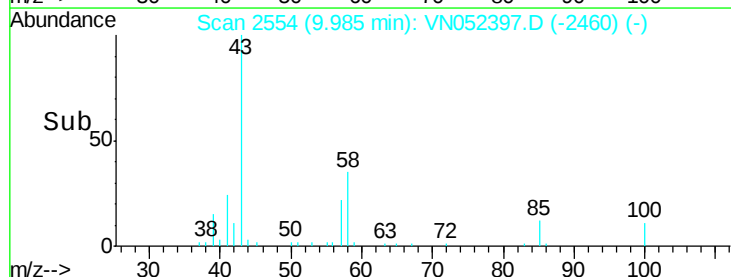
30000

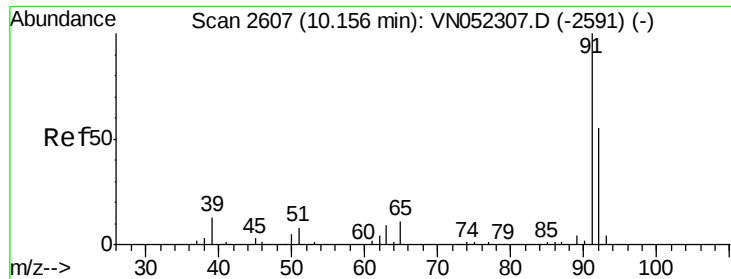
20000

10000

0

Time-->





#52

Toluene

Concen: 200.87 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052397.D

Acq: 19 Nov 2018 20:40

Instrument :

MSVOA_N

ClientSampleId :

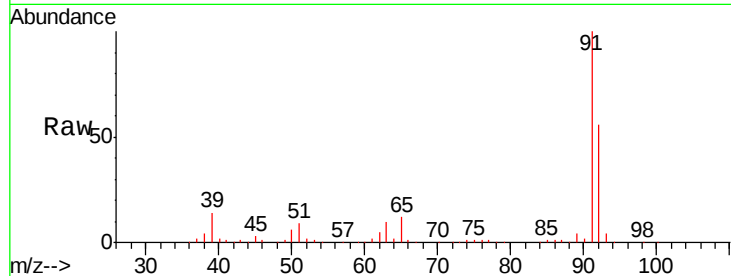
OVS-1

Tgt Ion: 92 Resp: 1731822

Ion Ratio Lower Upper

92 100

91 178.6 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

2000000

1500000

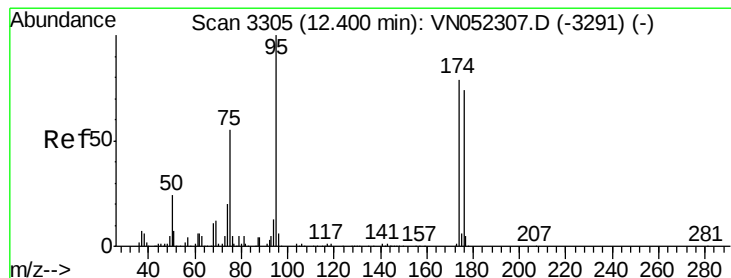
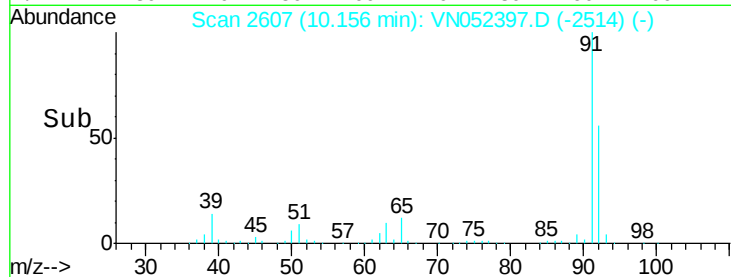
1000000

500000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052397.D

Acq: 19 Nov 2018 20:40

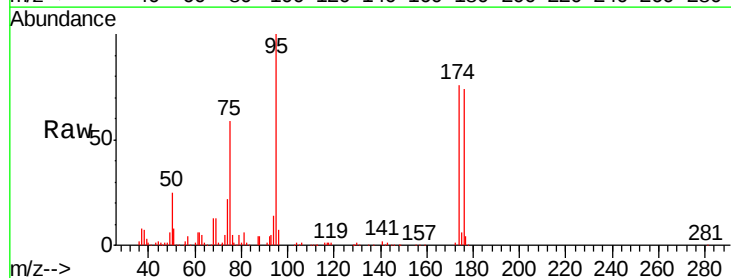
Tgt Ion: 95 Resp: 198093

Ion Ratio Lower Upper

95 100

174 74.5 0.0 156.0

176 72.3 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052307.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052307.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052307.D (-3291) (-)

150000

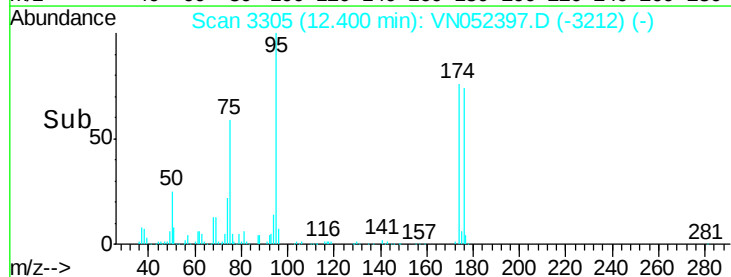
100000

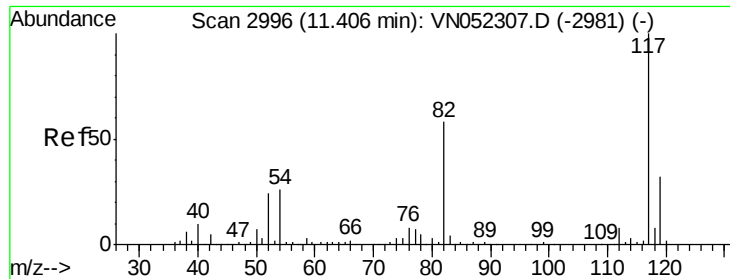
50000

0

12.30 12.35 12.40 12.45

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052397.D

Acq: 19 Nov 2018 20:40

Instrument :

MSVOA_N

ClientSampleId :

OWS-1

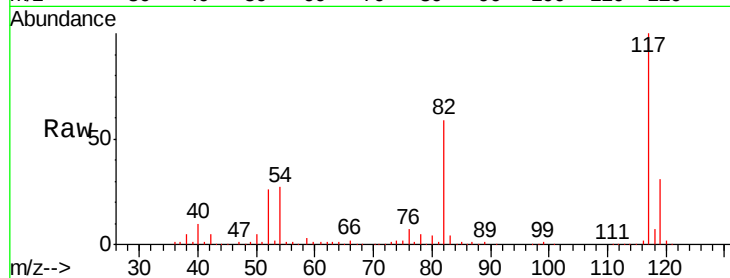
Tgt Ion:117 Resp: 439035

Ion Ratio Lower Upper

117 100

82 59.0 46.5 69.7

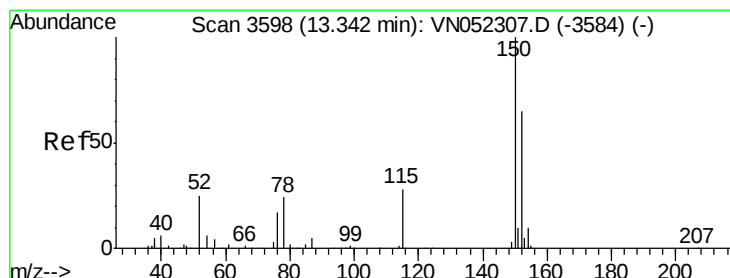
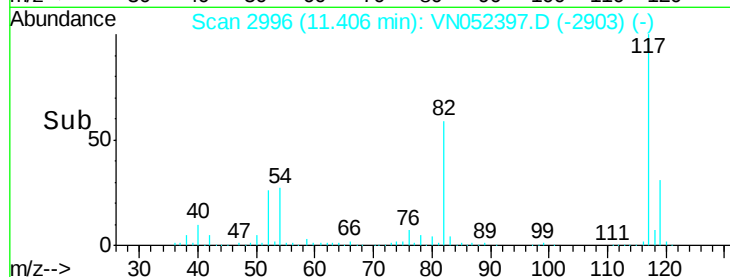
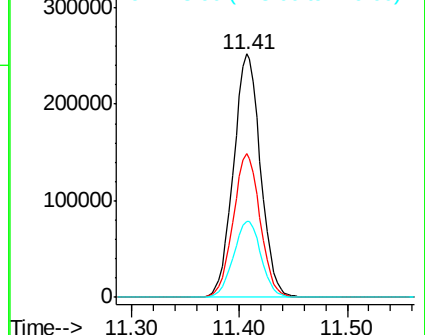
119 31.4 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052397.D

Acq: 19 Nov 2018 20:40

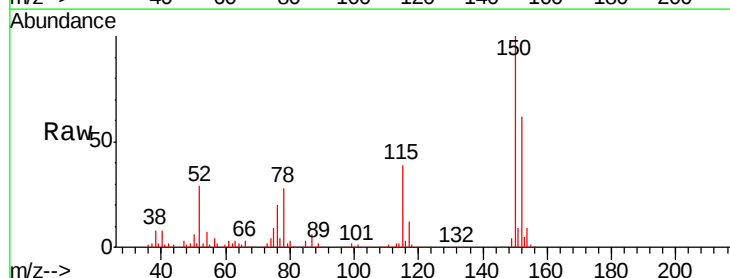
Tgt Ion:152 Resp: 162398

Ion Ratio Lower Upper

152 100

115 61.6 30.3 91.0

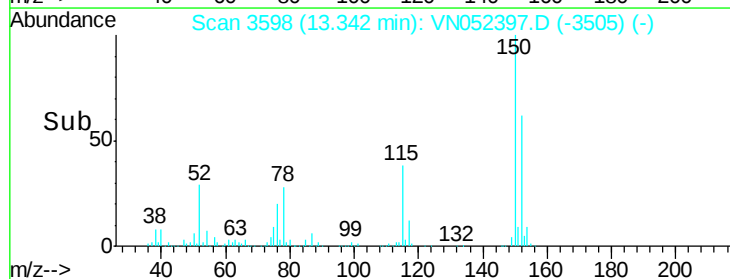
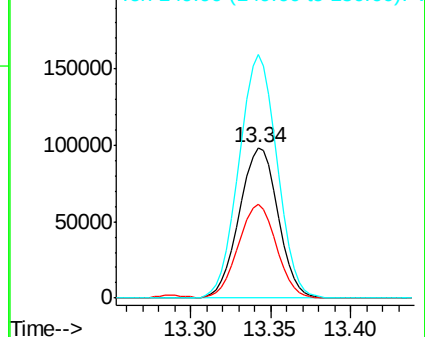
150 159.3 0.0 348.2

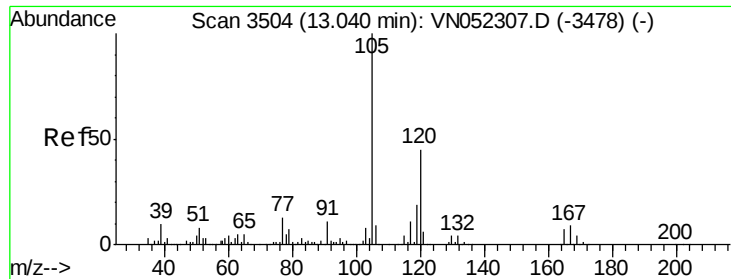


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

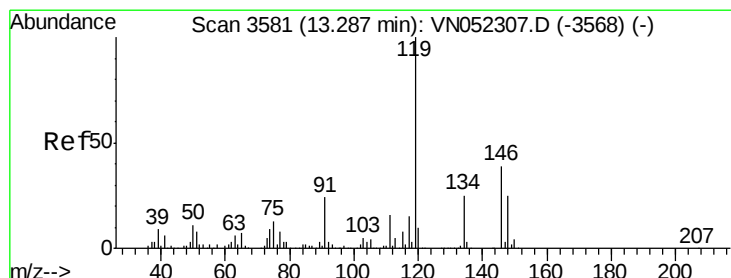
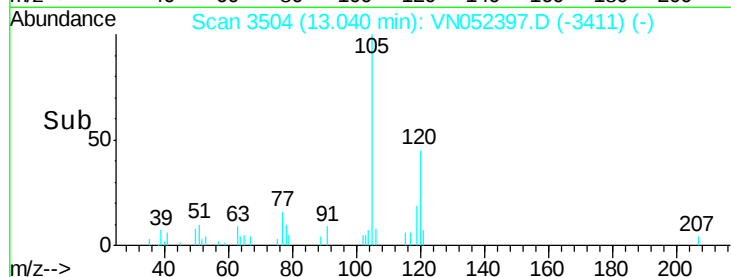
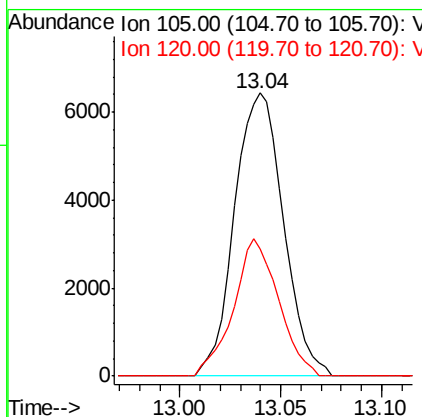
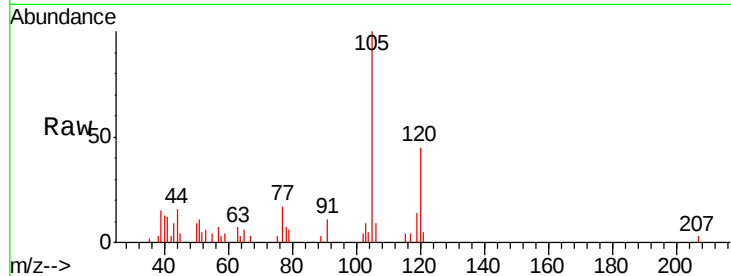




#84
 1,2,4-Trimethylbenzene
 Concen: 1.05 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052397.D
 Acq: 19 Nov 2018 20:40

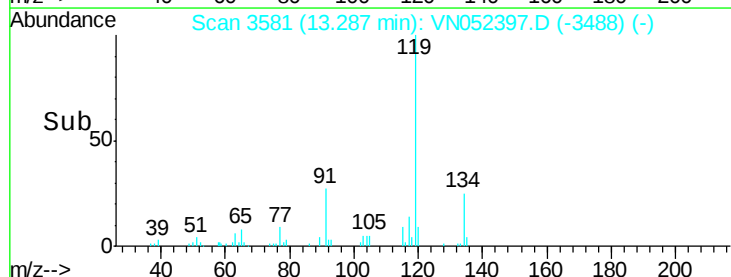
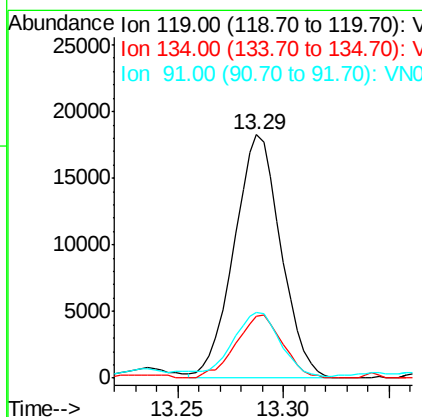
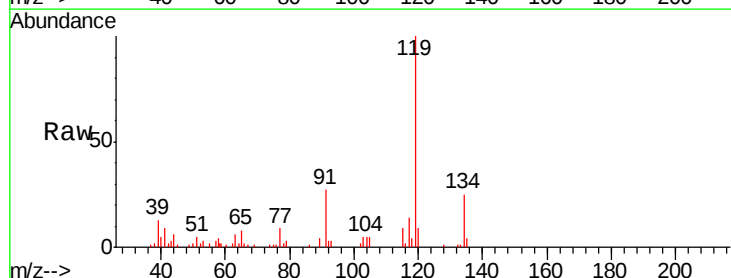
Instrument :
 MSVOA_N
 ClientSampled :
 OWS-1

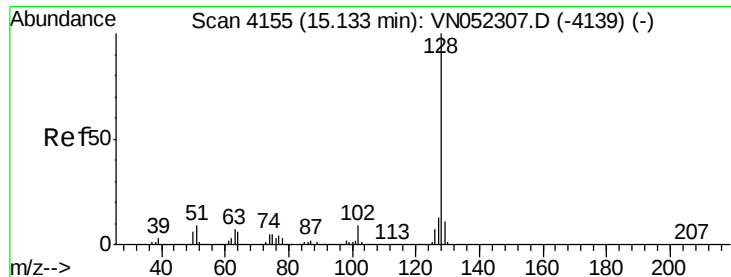
Tgt Ion:105 Resp: 10942
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.5 67.5



#86
 p-Isopropyltoluene
 Concen: 2.66 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052397.D
 Acq: 19 Nov 2018 20:40

Tgt Ion:119 Resp: 28162
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 27.7 12.4 37.0

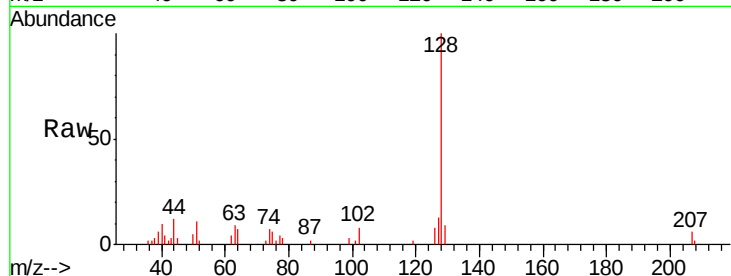




#95
Naphthalene
Concen: 5.20 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052397.D
Acq: 19 Nov 2018 20:40

Instrument :
MSVOA_N
ClientSampleId :
OWS-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.5	8.6	13.0



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

