

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058184.D
 Acq On : 18 Sep 2019 23:30
 Operator : JC/SP
 Sample : K4940-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30470

Quant Time: Sep 19 07:42:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 02:07:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	597938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	954808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	821629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	365702	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	385891	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
35) Dibromofluoromethane	7.57	113	269645	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
50) Toluene-d8	10.09	98	1142097	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.40	95	381678	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

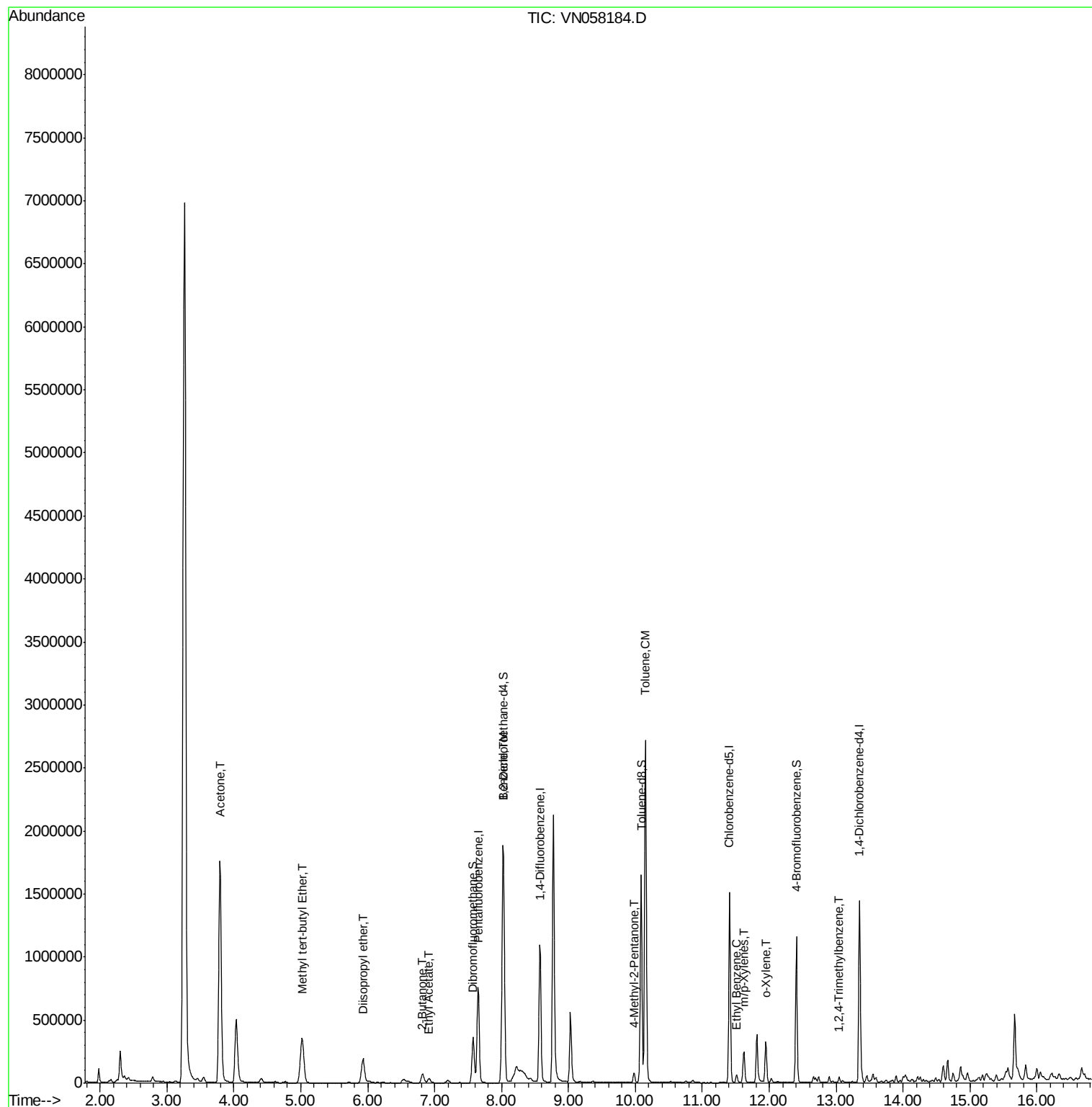
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	2932992	1037.532	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	605186	33.194	ug/l	100
22) Diisopropyl ether	5.93	45	257091	12.795	ug/l	91
25) 2-Butanone	6.82	43	122203	31.730	ug/l	97
37) Ethyl Acetate	6.91	43	52771	7.385	ug/l	99
40) Benzene	8.03	78	1675408	79.664	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	52144	7.356	ug/l	96
52) Toluene	10.15	92	1178131	89.386	ug/l	100
67) Ethyl Benzene	11.51	91	46099	1.862	ug/l	97
68) m/p-Xylenes	11.62	106	78590	8.426	ug/l	97
69) o-Xylene	11.95	106	84812	9.248	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	22646	1.176	ug/l	99

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

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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: VN058184.D

Acq: 18 Sep 2019 23:30

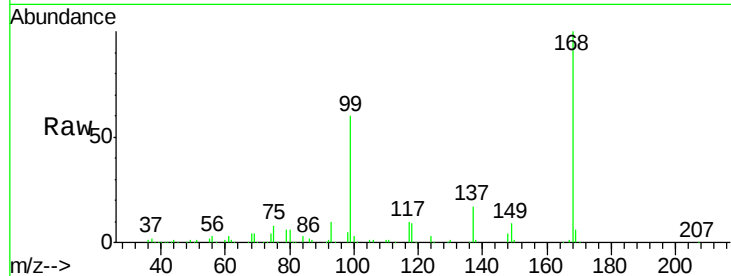
Instrument :
MSVOA_N
ClientSampled :
30470

Tot Ion:168 Resp: 597938

Ion Ratio Lower Upper

168 100

99 59.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

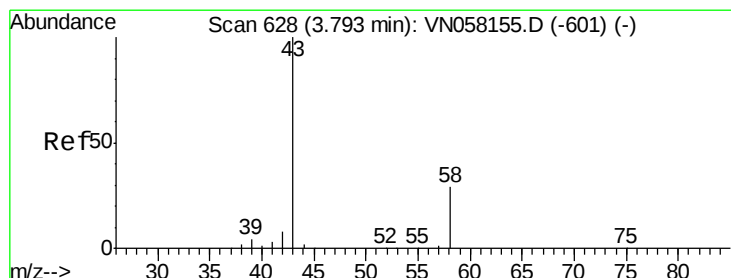
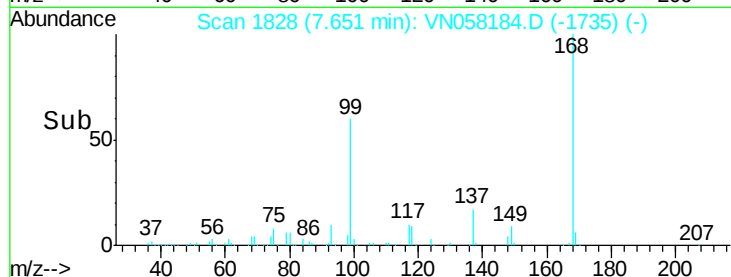
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1037.532 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058184.D

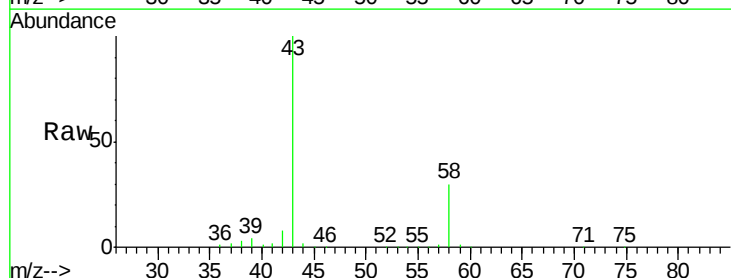
Acq: 18 Sep 2019 23:30

Tgt Ion: 43 Resp: 2932992

Ion Ratio Lower Upper

43 100

58 29.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

1200000

1000000

800000

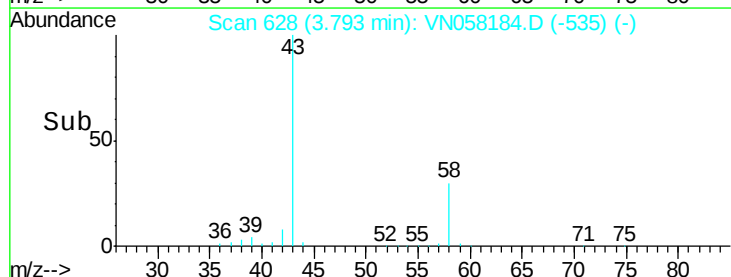
600000

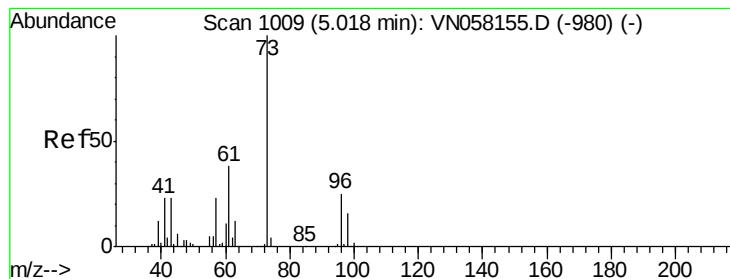
400000

200000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 33.194 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058184.D

Acq: 18 Sep 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

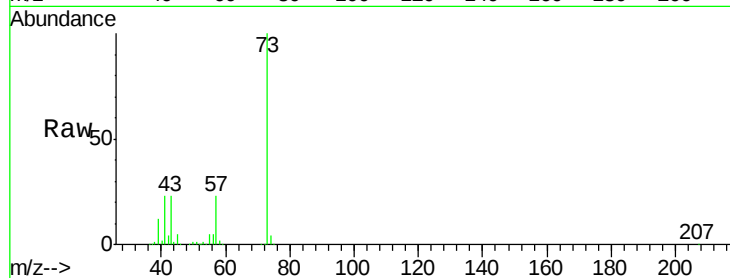
30470

Tot Ion: 73 Resp: 605186

Ion Ratio Lower Upper

73 100

57 22.7 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VN058184.D (-1000) (-)

Ion 57.00 (56.70 to 57.70): VN058184.D (-1000) (-)

5.02

150000

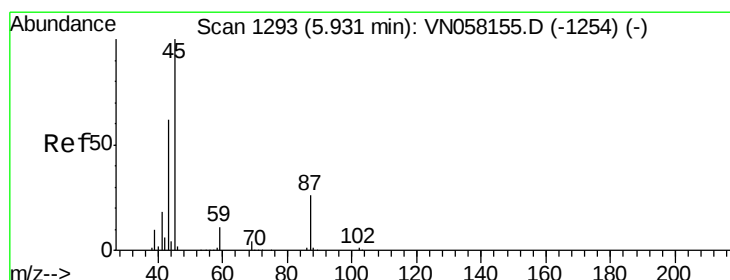
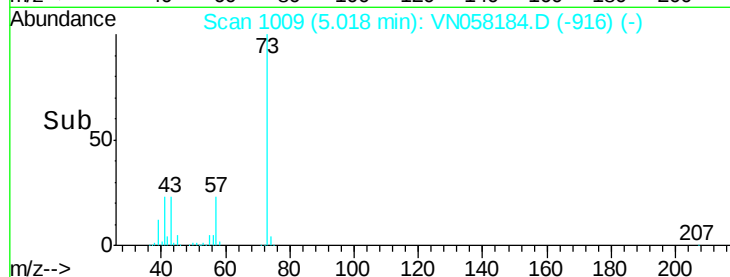
100000

50000

0

Time-->

4.90 5.00 5.10



#22

Diisopropyl ether

Concen: 12.795 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058184.D

Acq: 18 Sep 2019 23:30

Tgt Ion: 45 Resp: 257091

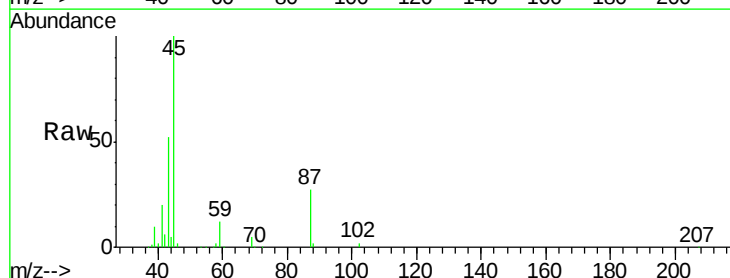
Ion Ratio Lower Upper

45 100

43 52.2 49.7 74.5

87 27.2 20.7 31.1

59 12.4 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN058184.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058184.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058184.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058184.D (-1200) (-)

120000

100000

80000

60000

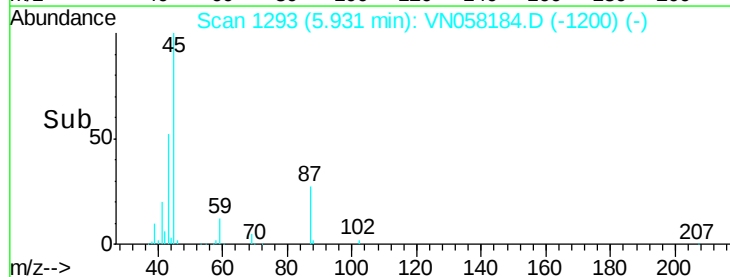
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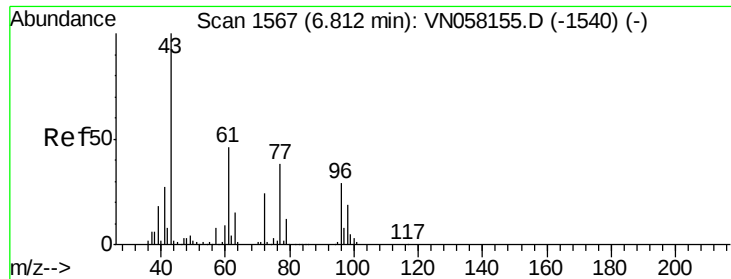
20000

0

Time-->

5.80 5.90 6.00





#25

2-Butanone

Concen: 31.730 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058184.D

Acq: 18 Sep 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

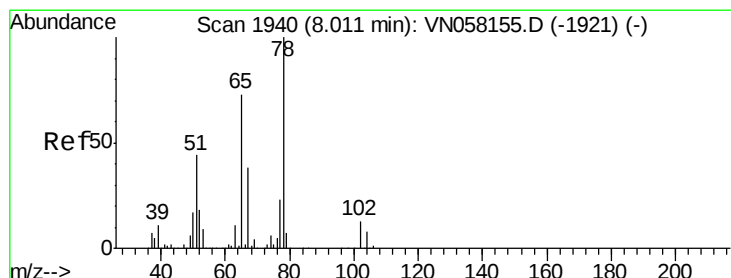
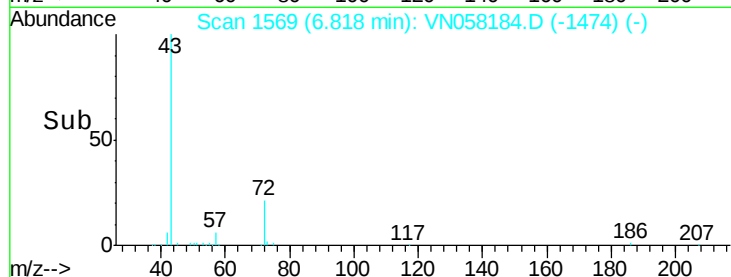
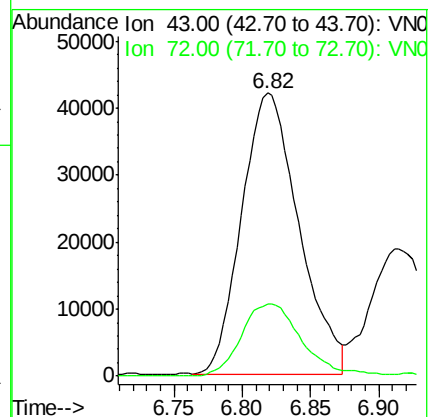
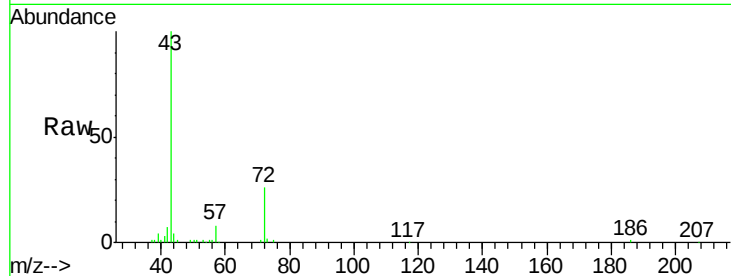
30470

Tot Ion: 43 Resp: 122203

Ion Ratio Lower Upper

43 100

72 25.8 19.5 29.3



#33

1,2-Dichloroethane-d4

Concen: 46.336 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058184.D

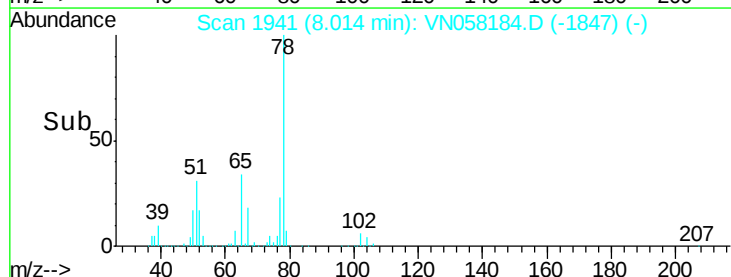
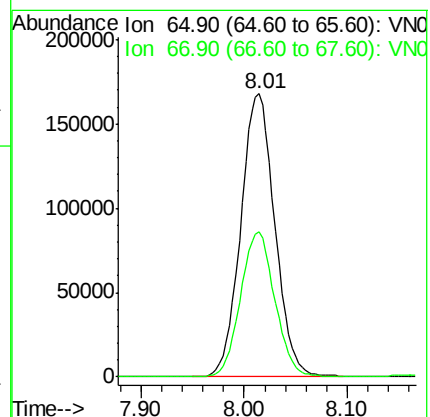
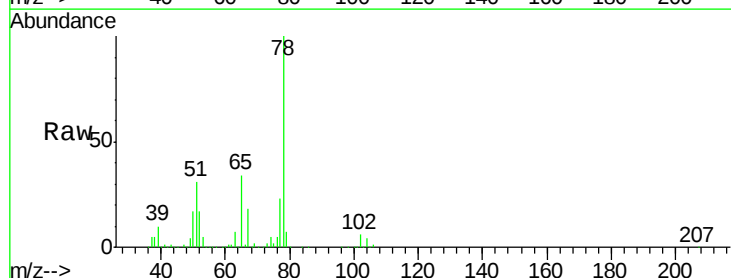
Acq: 18 Sep 2019 23:30

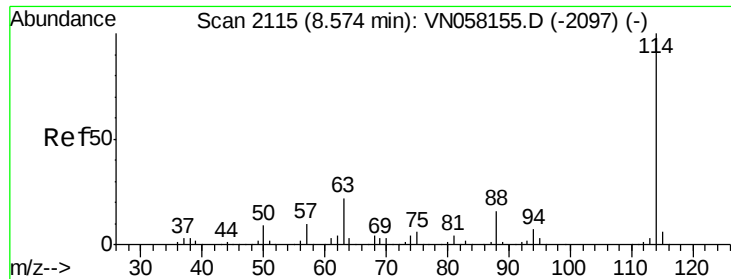
Tgt Ion: 65 Resp: 385891

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.4

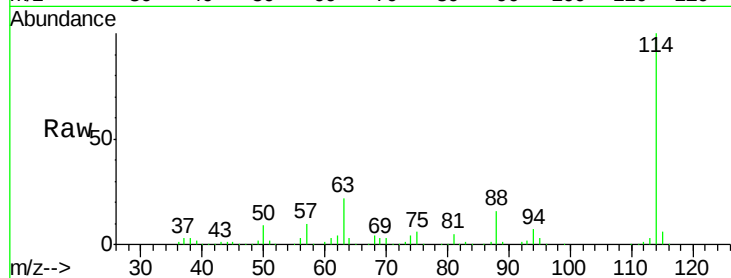




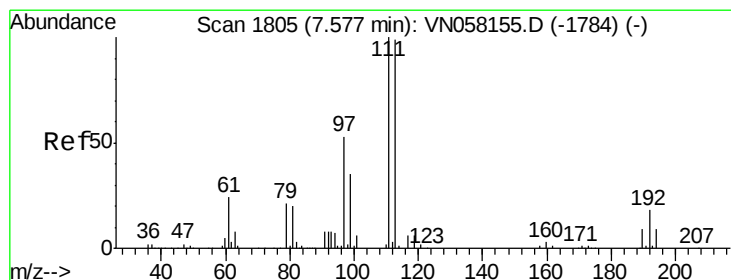
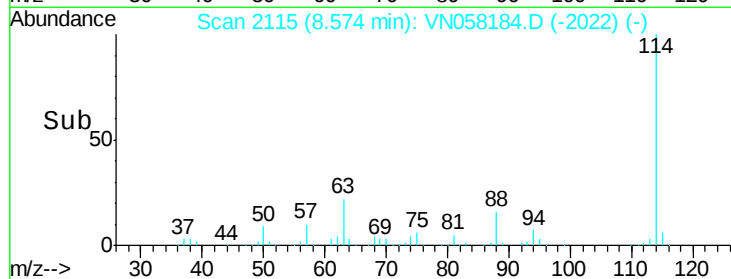
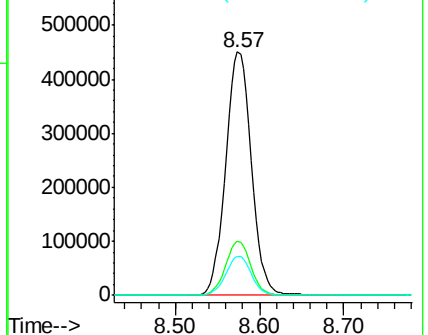
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058184.D
Acq: 18 Sep 2019 23:30

Instrument :
MSVOA_N
ClientSampleId :
30470

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.2
88	16.2	0.0	31.6

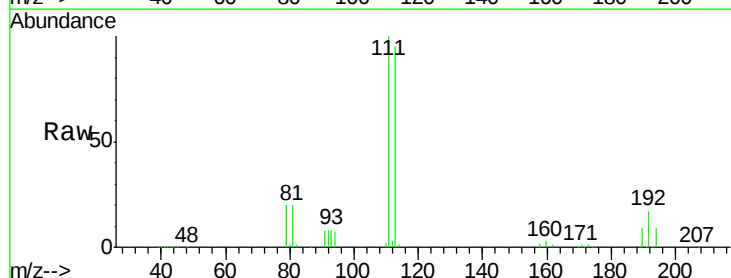


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

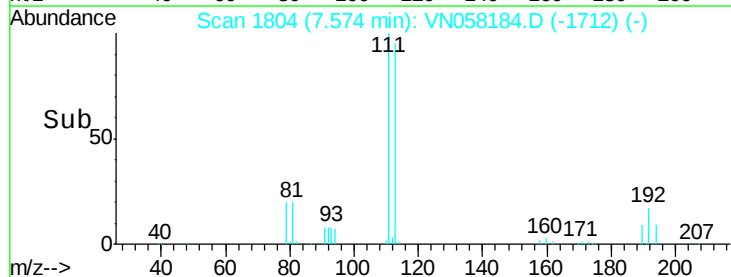
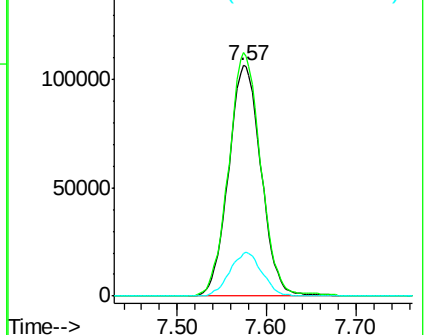


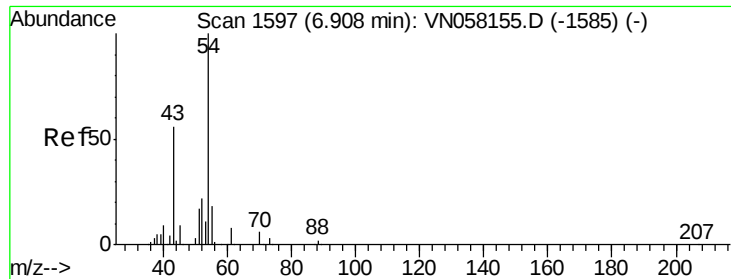
#35
Dibromofluoromethane
Concen: 46.455 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058184.D
Acq: 18 Sep 2019 23:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.8	122.6
192	18.9	14.5	21.7



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

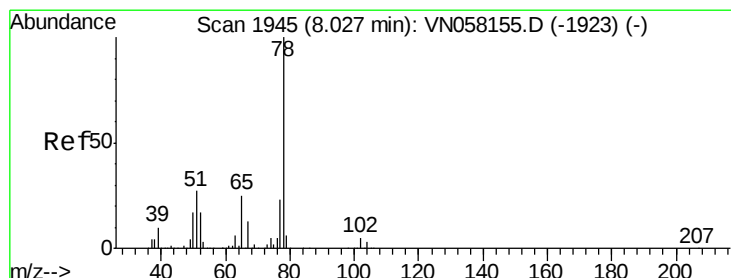
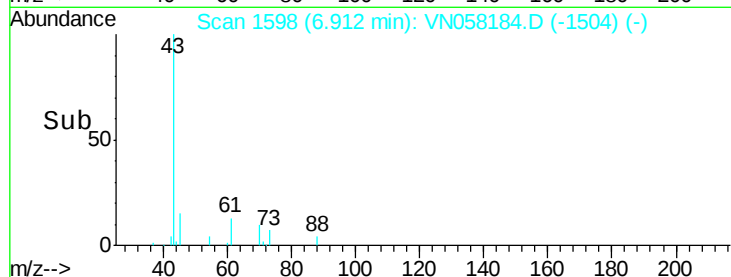
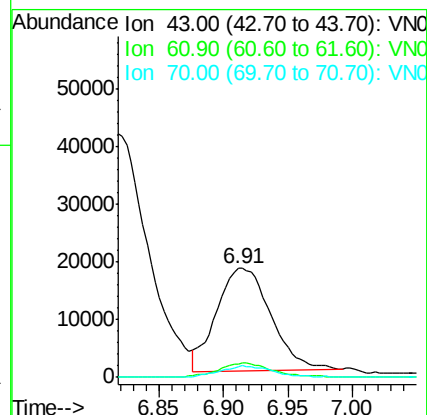
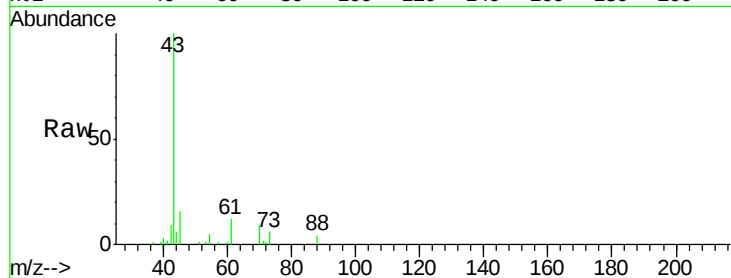




#37
Ethyl Acetate
Concen: 7.385 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058184.D
Acq: 18 Sep 2019 23:30

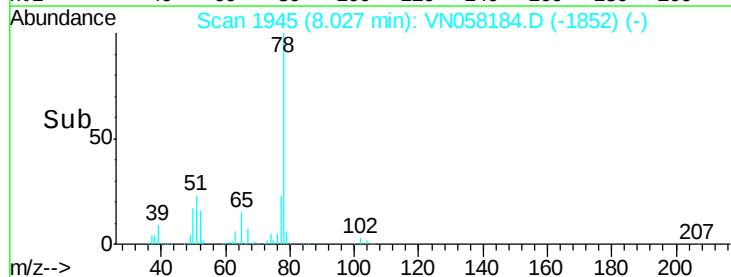
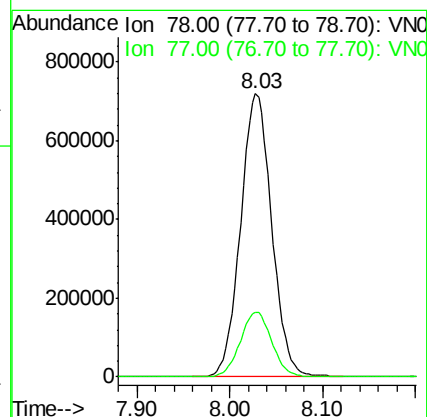
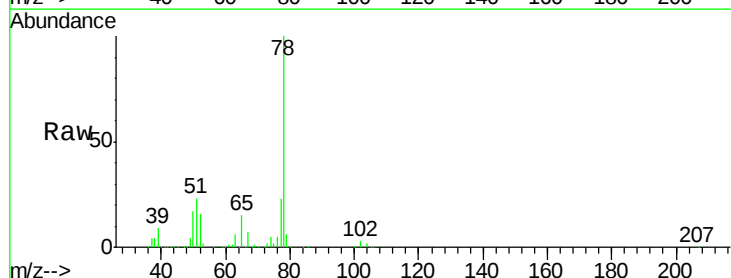
Instrument :
MSVOA_N
ClientSampled :
30470

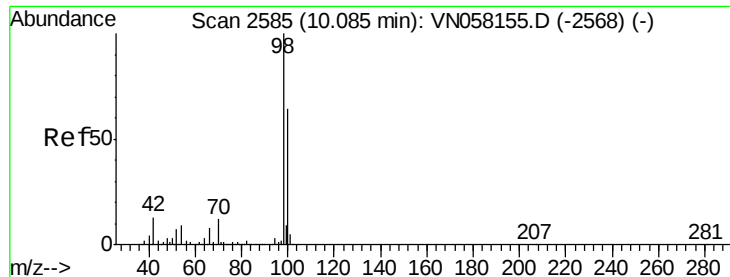
Tot Ion: 43 Resp: 52771
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 10.3 7.6 11.4



#40
Benzene
Concen: 79.664 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058184.D
Acq: 18 Sep 2019 23:30

Tgt Ion: 78 Resp: 1675408
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2





#50

Toluene-d8

Concen: 50.501 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058184.D

Acq: 18 Sep 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

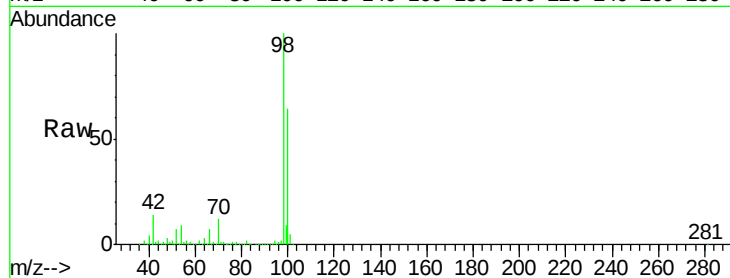
30470

Tot Ion: 98 Resp: 1142097

Ion Ratio Lower Upper

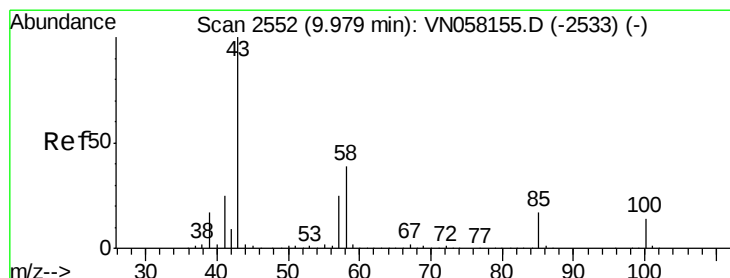
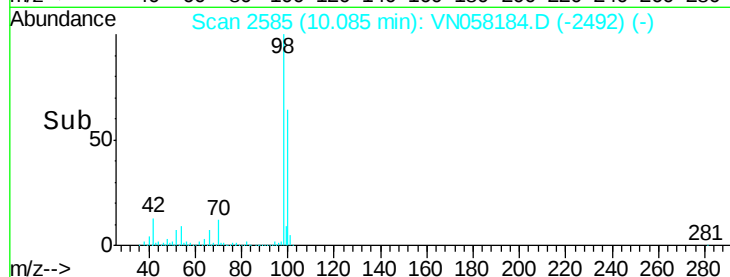
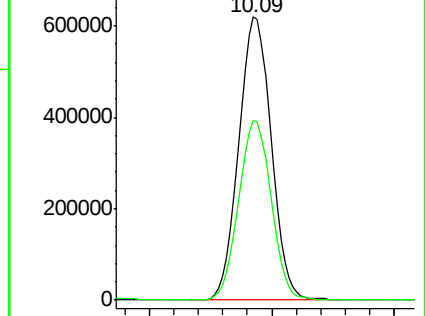
98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 7.356 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058184.D

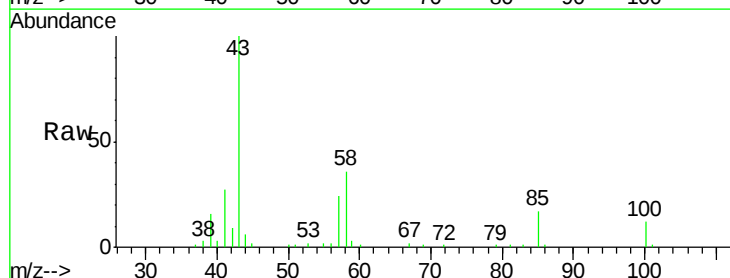
Acq: 18 Sep 2019 23:30

Tgt Ion: 43 Resp: 52144

Ion Ratio Lower Upper

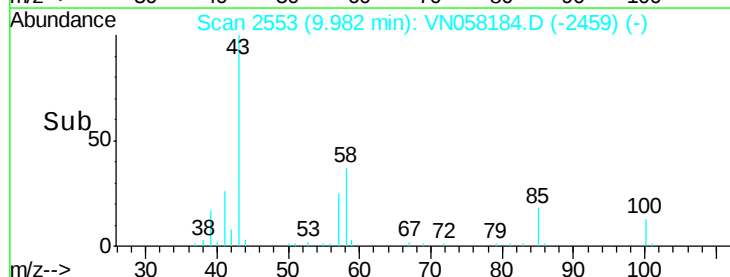
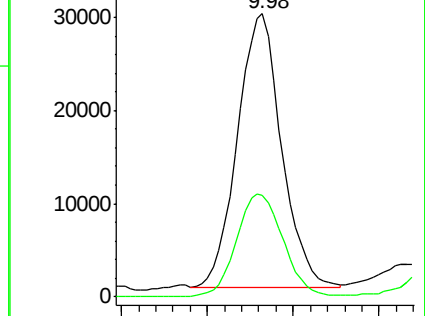
43 100

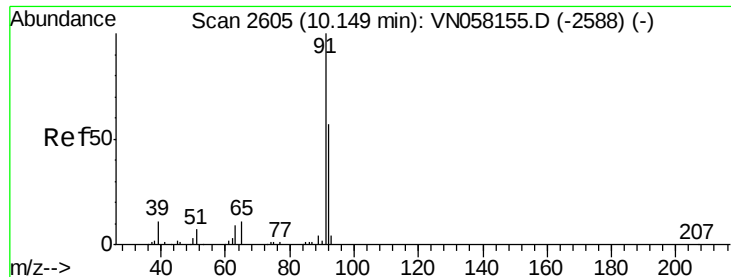
58 40.0 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 89.386 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058184.D

Acq: 18 Sep 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

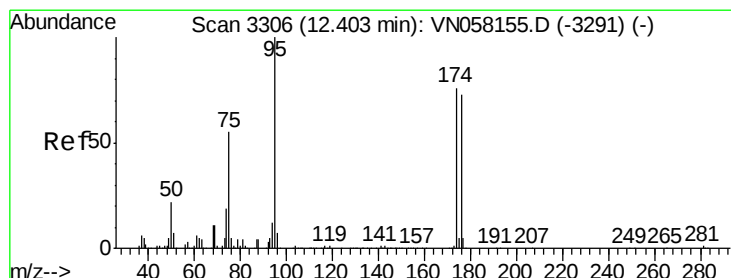
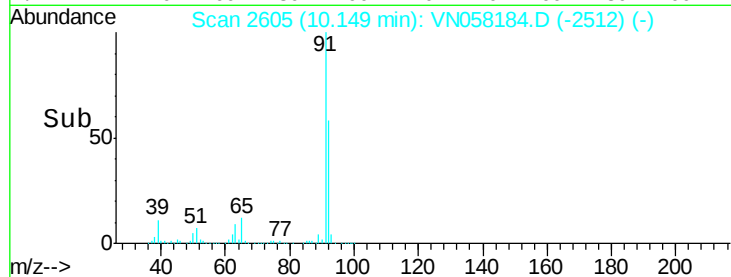
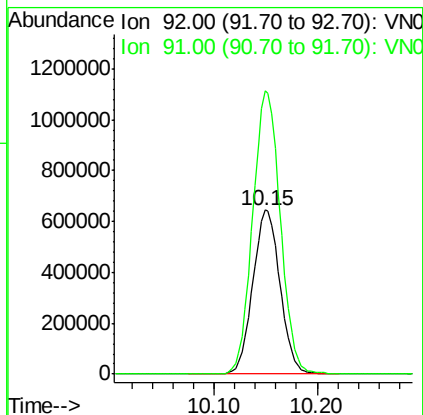
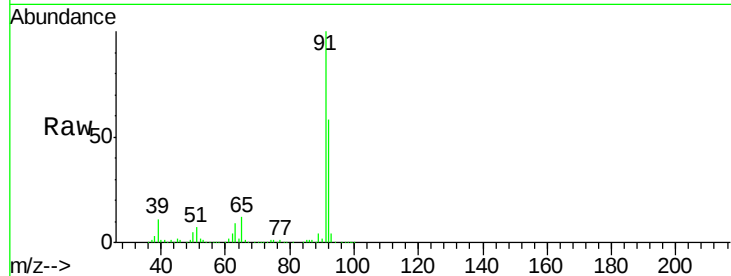
30470

Tot Ion: 92 Resp: 1178131

Ion Ratio Lower Upper

92 100

91 175.5 140.2 210.2



#62

4-Bromofluorobenzene

Concen: 45.434 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058184.D

Acq: 18 Sep 2019 23:30

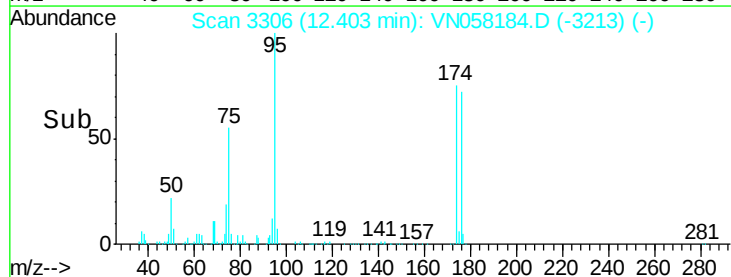
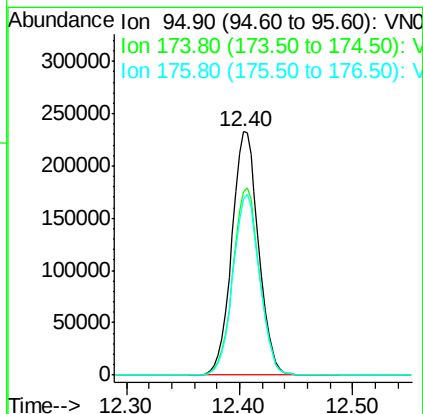
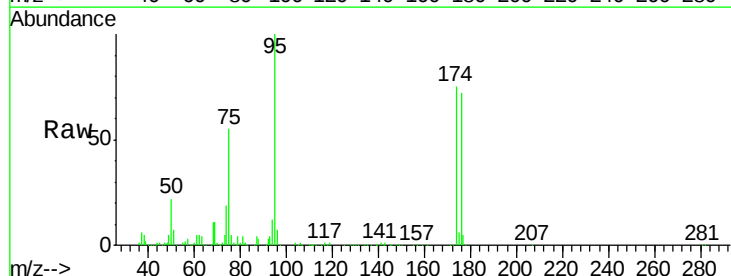
Tgt Ion: 95 Resp: 381678

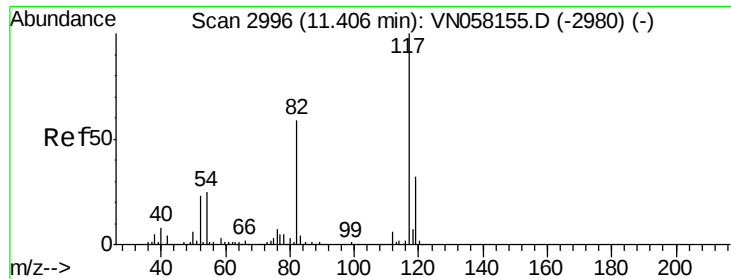
Ion Ratio Lower Upper

95 100

174 76.8 0.0 152.2

176 74.1 0.0 148.0

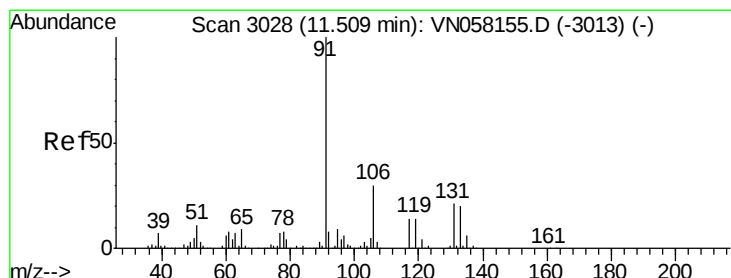
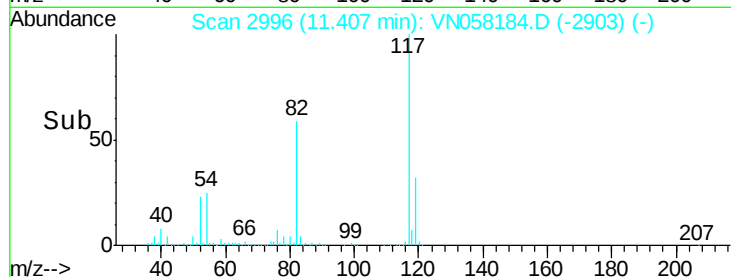
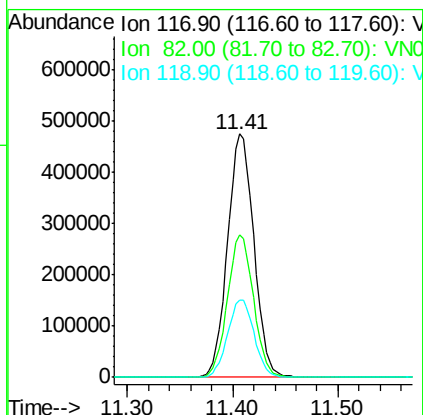
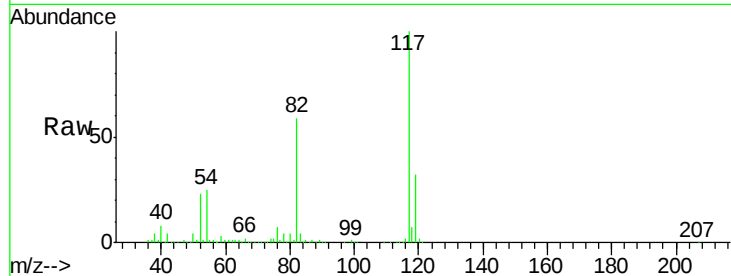




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058184.D
Acq: 18 Sep 2019 23:30

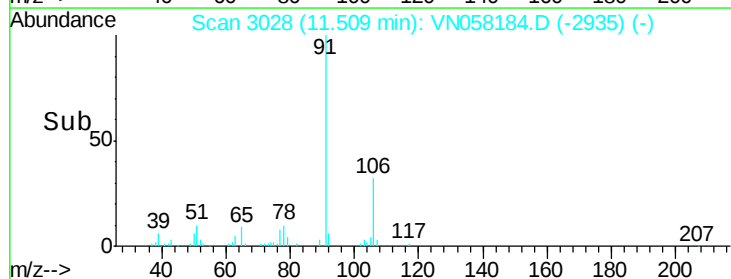
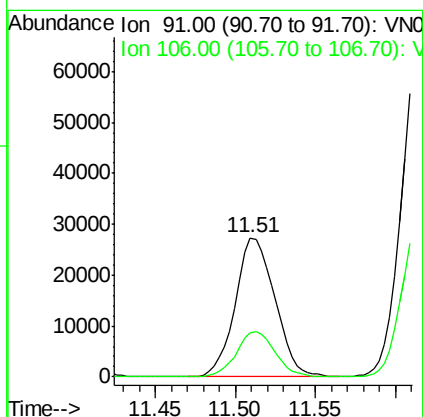
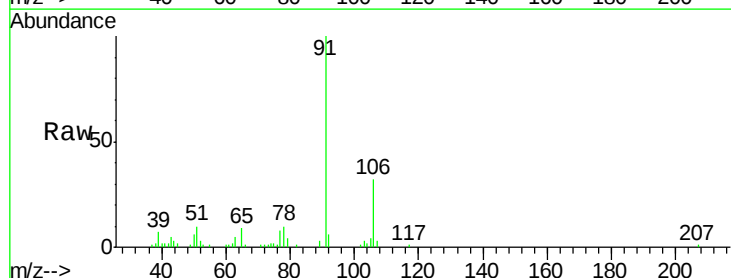
Instrument :
MSVOA_N
ClientSampled :
30470

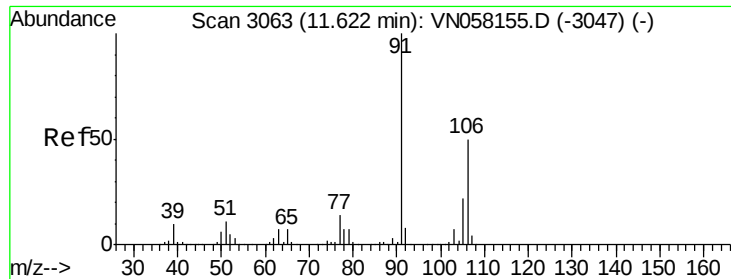
Tot Ion:117 Resp: 821629
Ion Ratio Lower Upper
117 100
82 58.7 46.9 70.3
119 32.0 25.3 37.9



#67
Ethyl Benzene
Concen: 1.862 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058184.D
Acq: 18 Sep 2019 23:30

Tgt Ion: 91 Resp: 46099
Ion Ratio Lower Upper
91 100
106 31.7 24.0 36.0

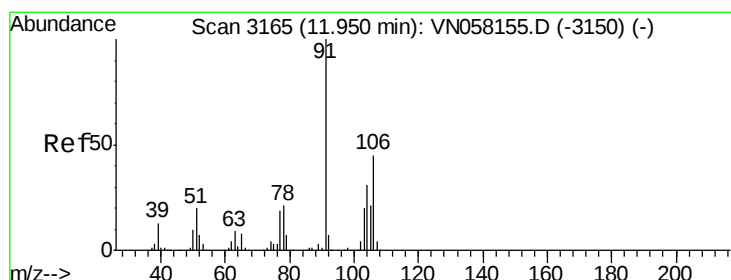
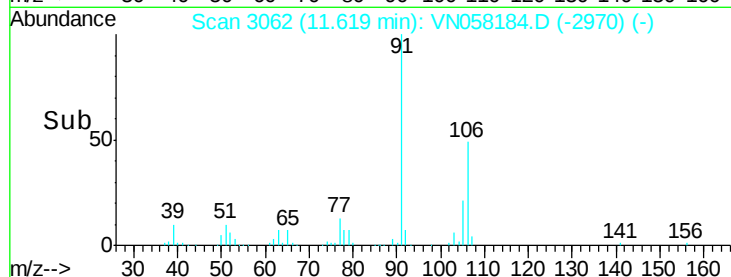
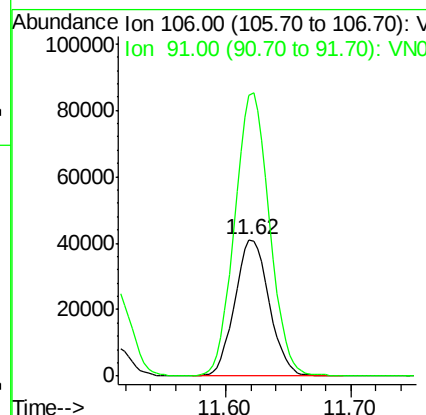
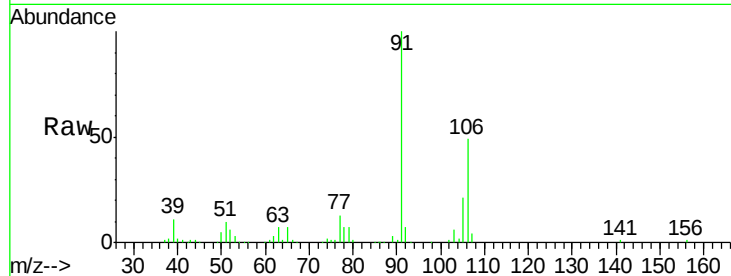




#68
m/p-Xylenes
Concen: 8.426 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058184.D
Acq: 18 Sep 2019 23:30

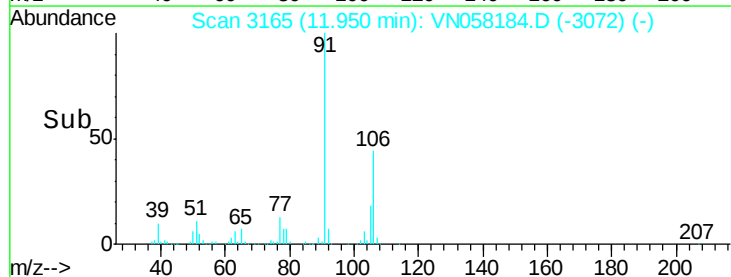
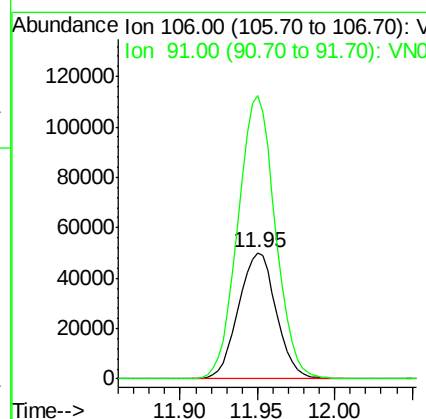
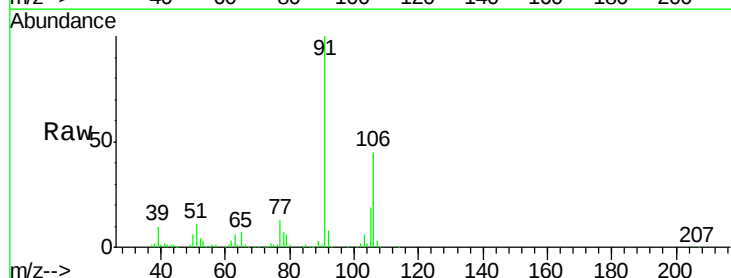
Instrument :
MSVOA_N
ClientSampled :
30470

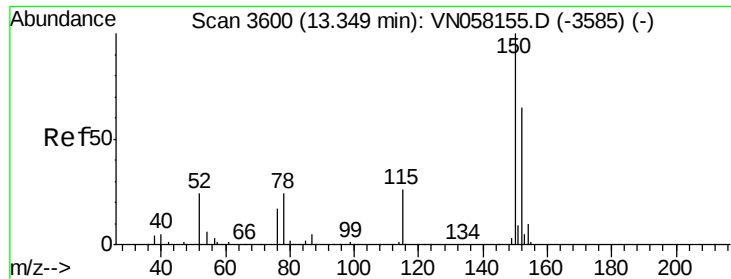
Tot Ion:106 Resp: 78590
Ion Ratio Lower Upper
106 100
91 209.3 163.6 245.4



#69
o-Xylene
Concen: 9.248 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058184.D
Acq: 18 Sep 2019 23:30

Tgt Ion:106 Resp: 84812
Ion Ratio Lower Upper
106 100
91 222.8 111.8 335.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058184.D

Acq: 18 Sep 2019 23:30

Instrument :

MSVOA_N

ClientSampleId :

30470

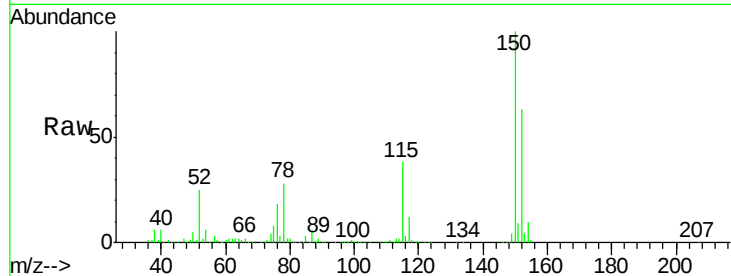
Tot Ion:152 Resp: 365702

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

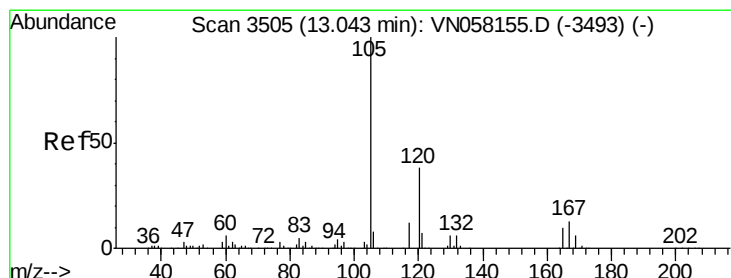
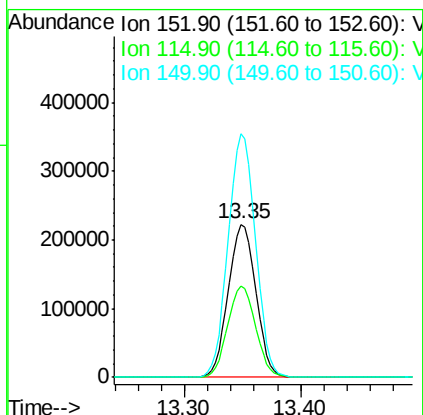
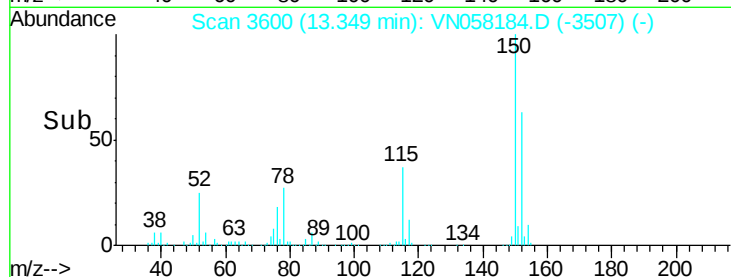
150 157.9 0.0 346.4



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



#84

1,2,4-Trimethylbenzene

Concen: 1.176 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058184.D

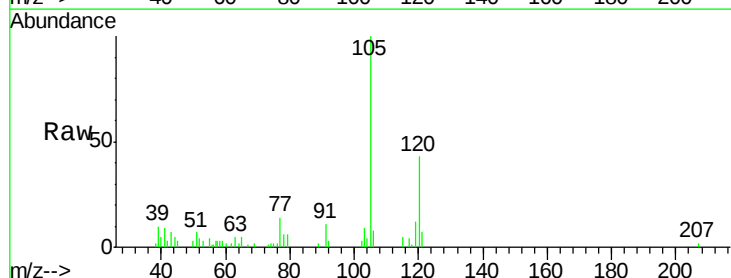
Acq: 18 Sep 2019 23:30

Tgt Ion:105 Resp: 22646

Ion Ratio Lower Upper

105 100

120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

