

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059642.D
 Acq On : 17 Dec 2019 21:44
 Operator : JC/SP
 Sample : K6309-03 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30786

Quant Time: Dec 18 07:02:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	239287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	389267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	353084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149821	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	172222	49.46	ug/l	0.00
Spiked Amount						
			Recovery	=	98.92%	
35) Dibromofluoromethane	7.56	113	122441	50.27	ug/l	0.00
Spiked Amount						
			Recovery	=	100.54%	
50) Toluene-d8	10.08	98	484644	50.26	ug/l	0.00
Spiked Amount						
			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	173684	49.36	ug/l	0.00
Spiked Amount						
			Recovery	=	98.72%	

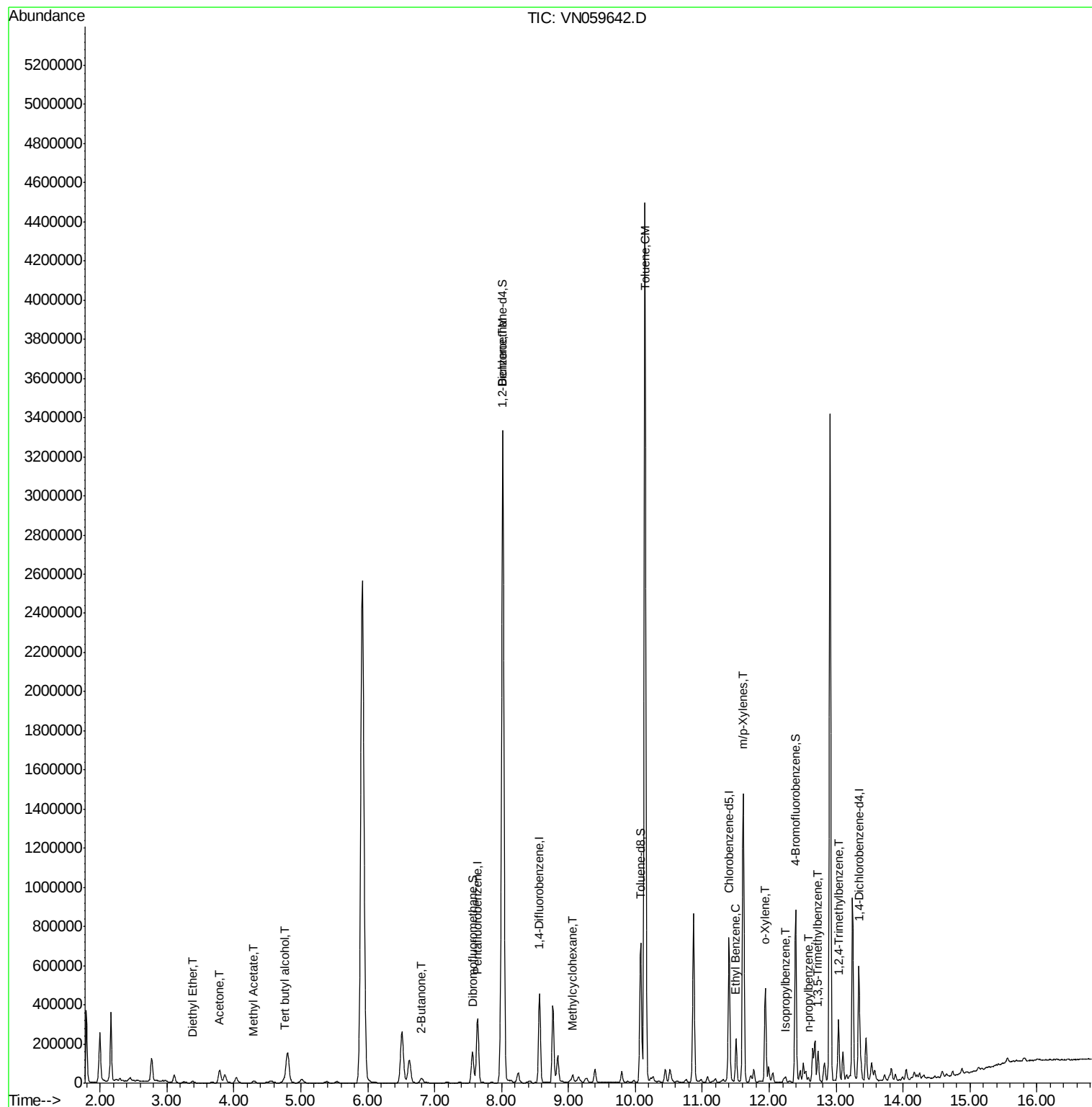
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	4283	2.685	ug/l	86
11) Tert butyl alcohol	4.75	59	48974	76.719	ug/l #	82
16) Acetone	3.79	43	110397	53.402	ug/l	97
18) Methyl Acetate	4.30	43	19266	4.448	ug/l	99
25) 2-Butanone	6.81	43	28367	11.475	ug/l	100
39) Methylcyclohexane	9.06	83	16024	3.480	ug/l	97
40) Benzene	8.02	78	3326642	280.412	ug/l	97
52) Toluene	10.14	92	1974309	270.851	ug/l	93
67) Ethyl Benzene	11.51	91	157176	11.398	ug/l	100
68) m/p-Xylenes	11.61	106	445708	87.526	ug/l	100
69) o-Xylene	11.94	106	126890	26.188	ug/l	100
73) Isopropylbenzene	12.24	105	17507	1.489	ug/l	99
78) n-propylbenzene	12.59	91	19182	1.380	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	86577	8.699	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	173867	17.569	ug/l	100

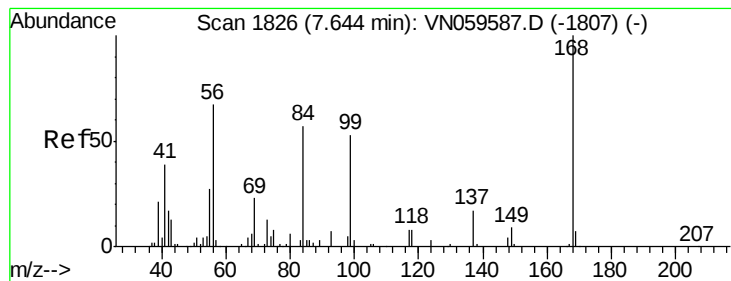
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059642.D

Acq: 17 Dec 2019 21:44

Instrument :

MSVOA_N

ClientSampleId :

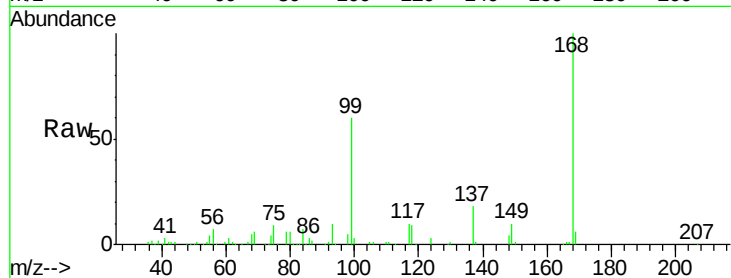
30786

Tot Ion:168 Resp: 239287

Ion Ratio Lower Upper

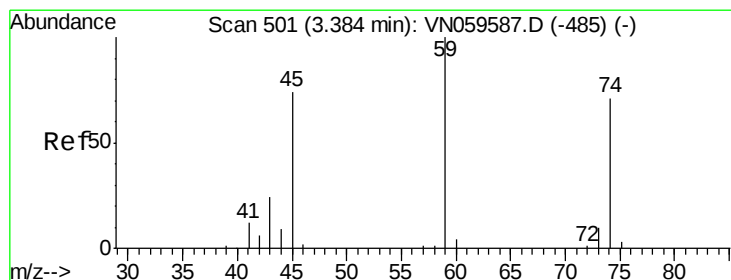
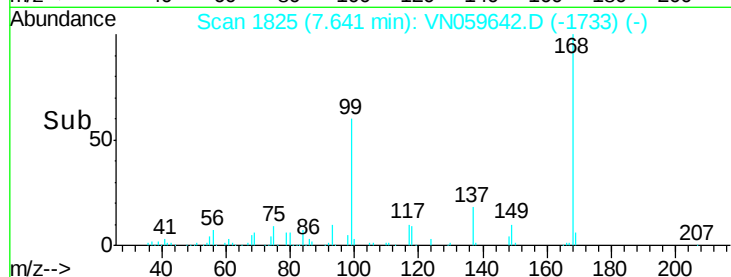
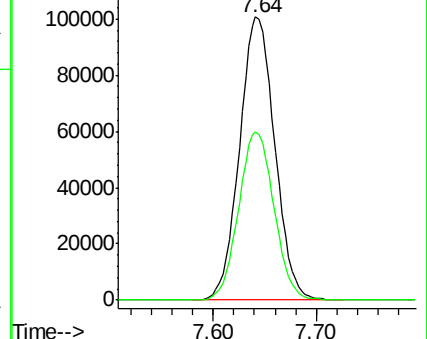
168 100

99 59.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 2.685 ug/l

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN059642.D

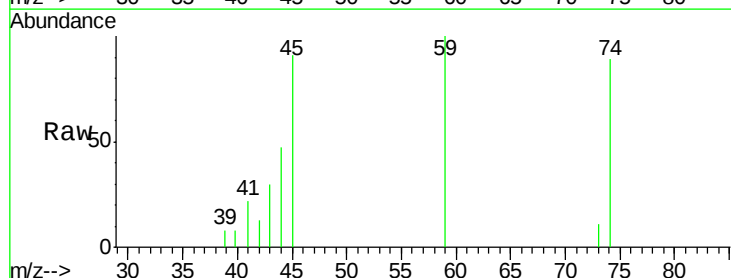
Acq: 17 Dec 2019 21:44

Tgt Ion: 74 Resp: 4283

Ion Ratio Lower Upper

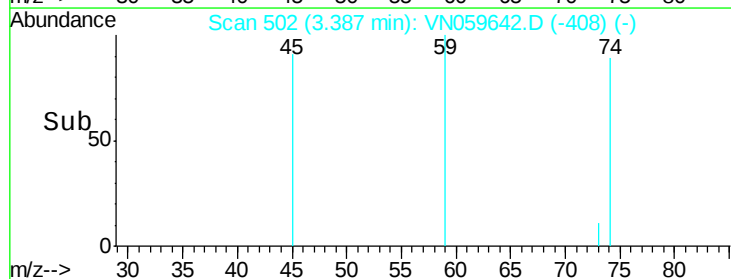
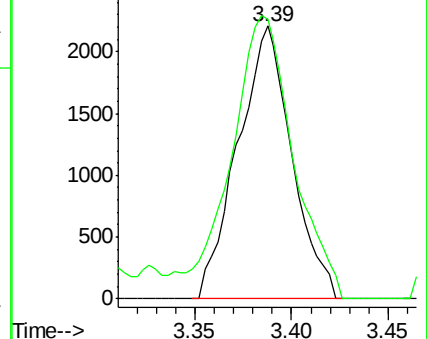
74 100

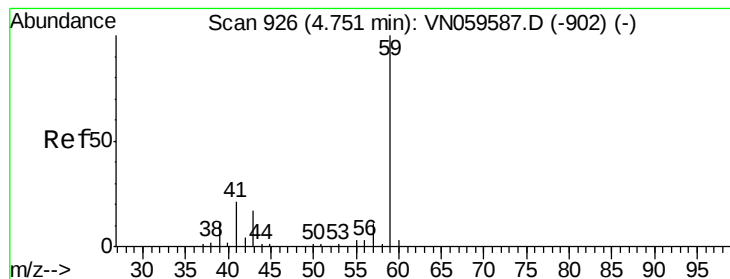
45 118.0 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO



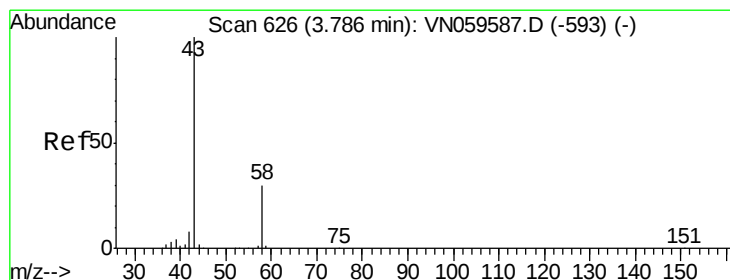
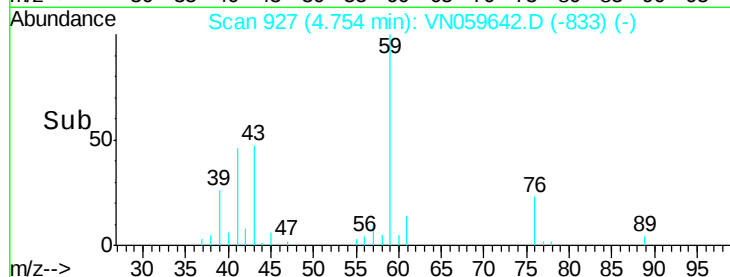
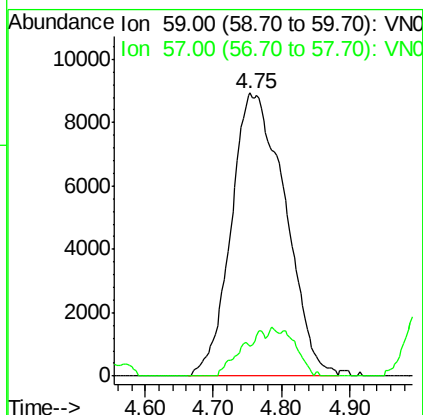
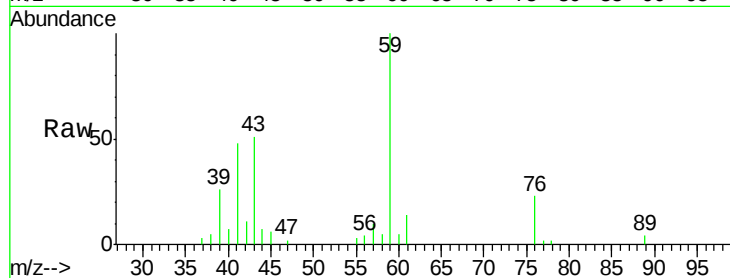


#11

Tert butyl alcohol
 Concen: 76.719 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN059642.D
 Acq: 17 Dec 2019 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 30786

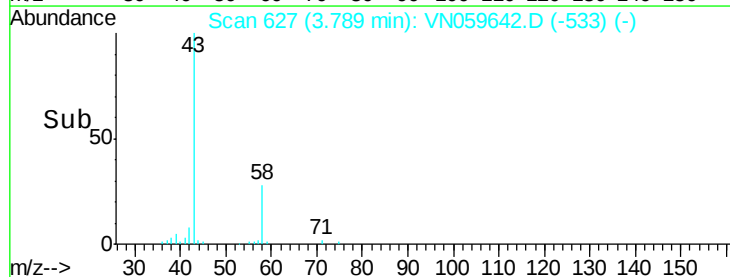
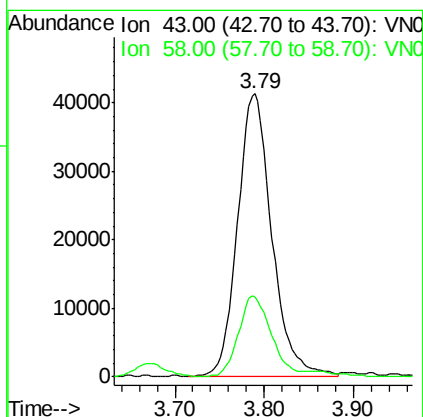
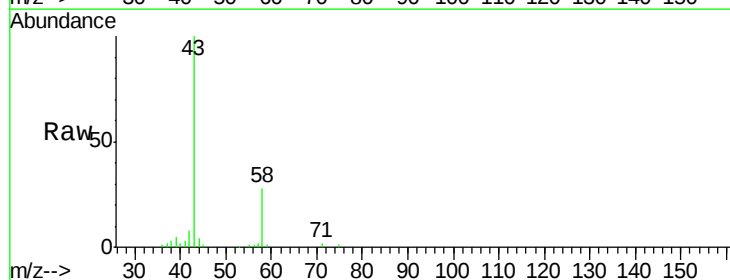
Tot Ion: 59 Resp: 48974
 Ion Ratio Lower Upper
 59 100
 57 3.7 8.6 12.8#

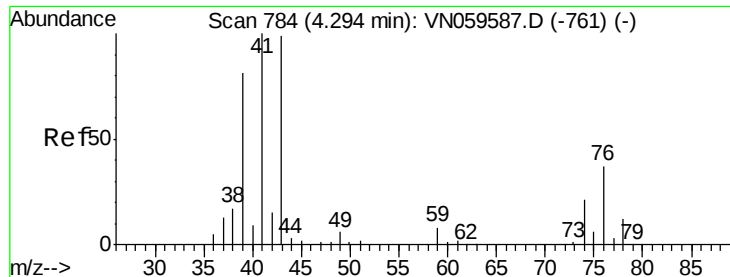


#16

Acetone
 Concen: 53.402 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN059642.D
 Acq: 17 Dec 2019 21:44

Tgt Ion: 43 Resp: 110397
 Ion Ratio Lower Upper
 43 100
 58 27.8 23.6 35.4

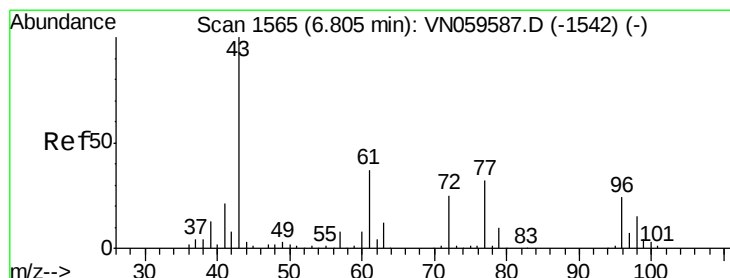
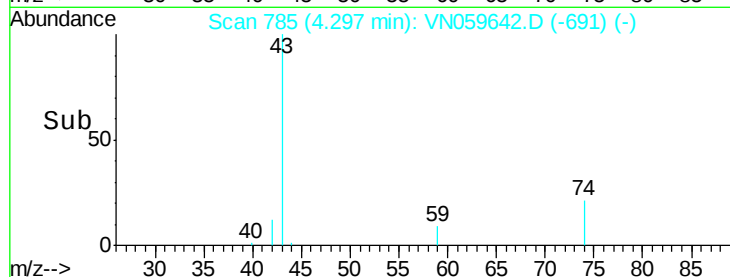
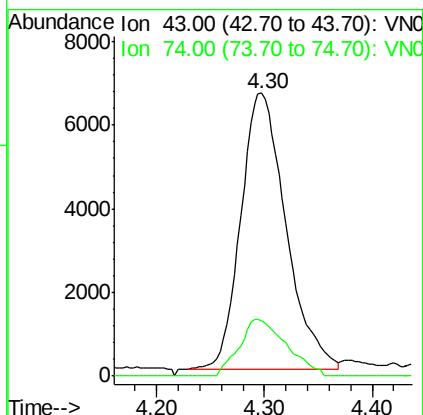
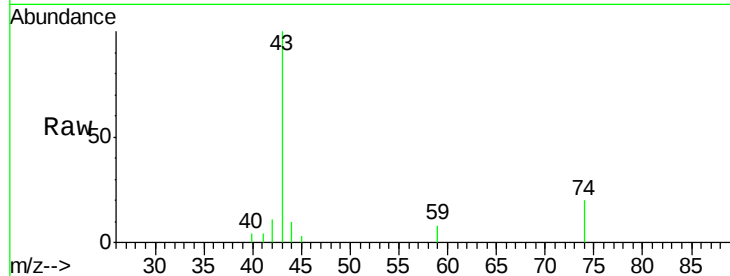




#18
Methvl Acetate
Concen: 4.448 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

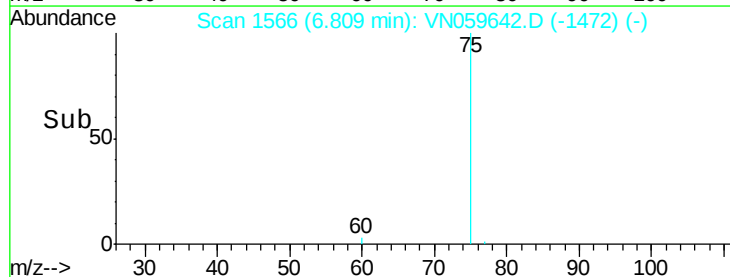
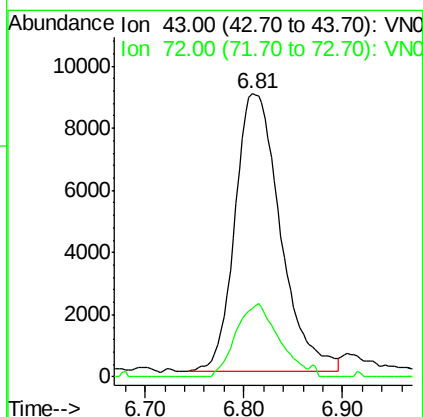
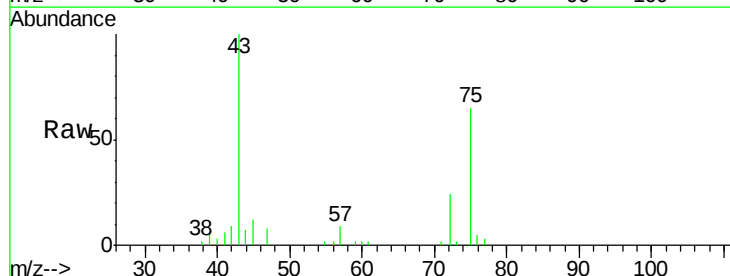
Instrument :
MSVOA_N
ClientSampleId :
30786

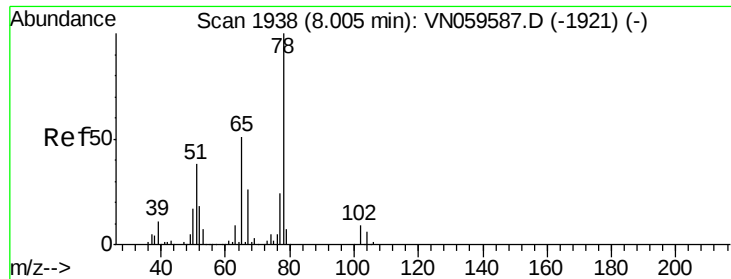
Tot Ion: 43 Resp: 19266
Ion Ratio Lower Upper
43 100
74 21.3 17.5 26.3



#25
2-Butanone
Concen: 11.475 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

Tgt Ion: 43 Resp: 28367
Ion Ratio Lower Upper
43 100
72 24.8 19.9 29.9

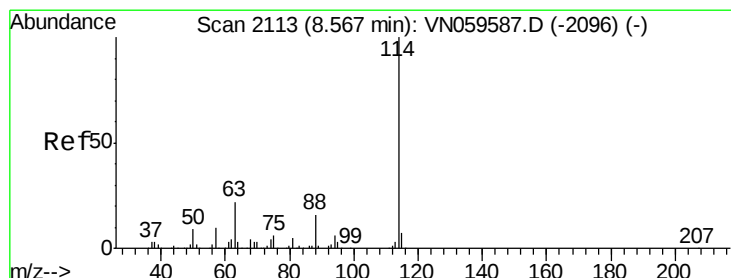
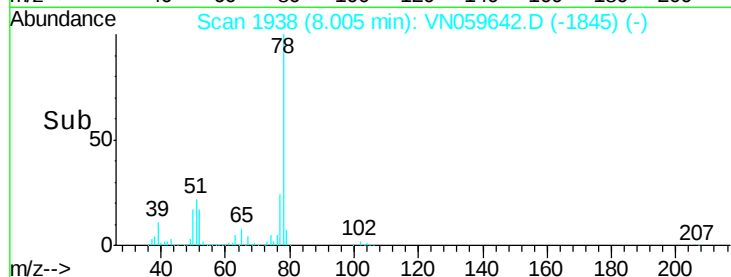
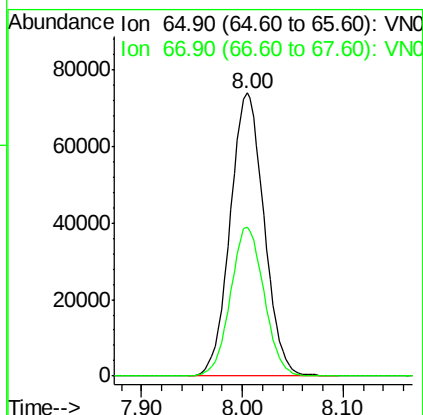
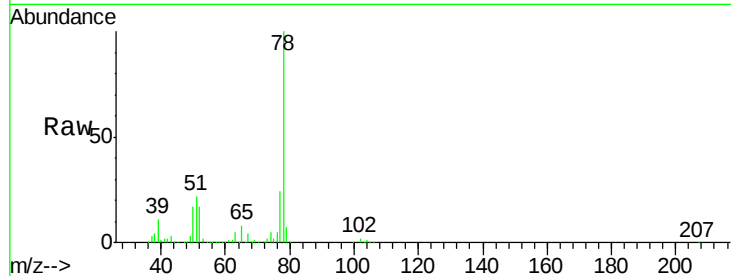




#33
 1,2-Dichloroethane-d4
 Concen: 49.461 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059642.D
 Acq: 17 Dec 2019 21:44

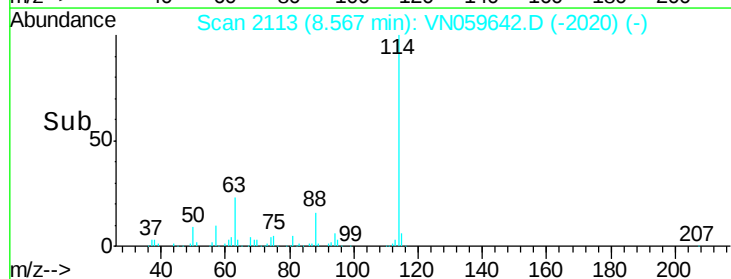
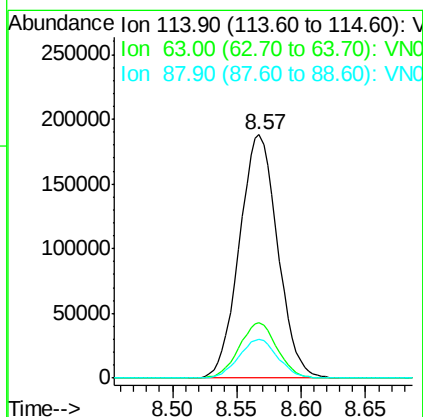
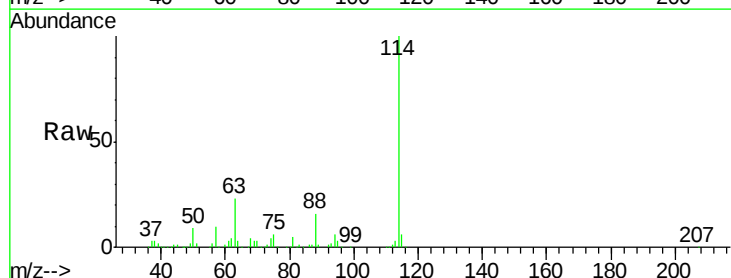
Instrument :
 MSVOA_N
 ClientSampleId :
 30786

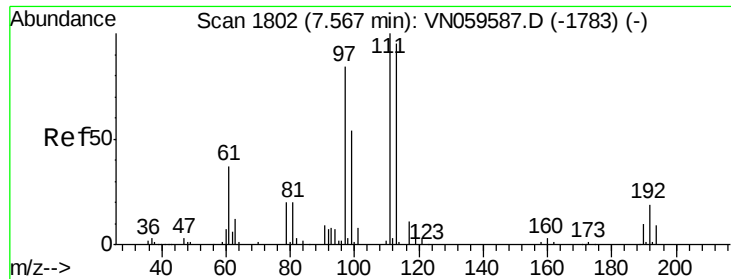
Tot Ion: 65 Resp: 172222
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059642.D
 Acq: 17 Dec 2019 21:44

Tgt Ion: 114 Resp: 389267
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.6
 88 15.8 0.0 31.4

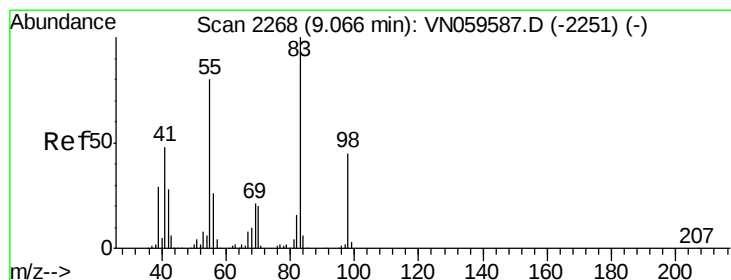
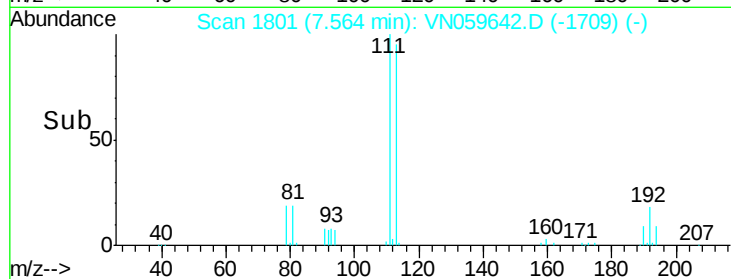
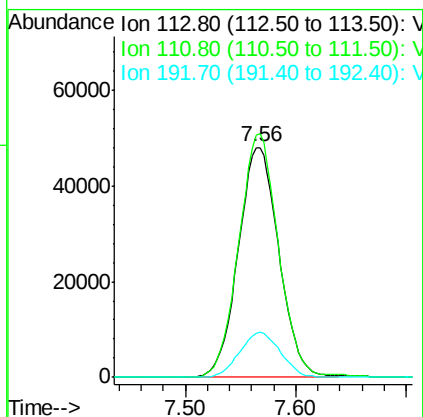
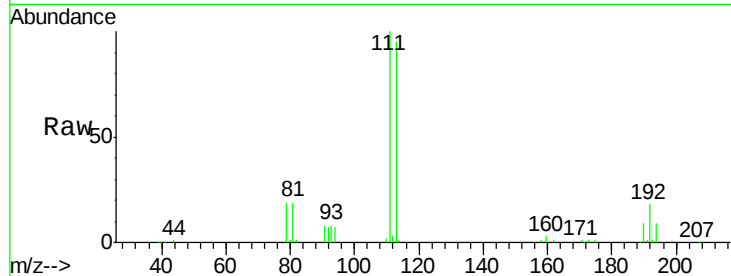




#35
Dibromofluoromethane
Concen: 50.272 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

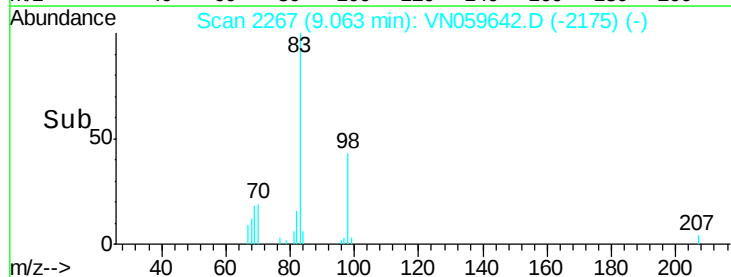
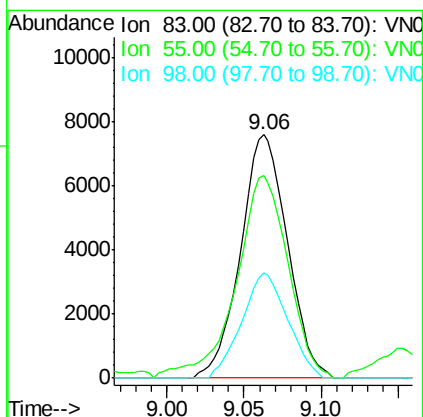
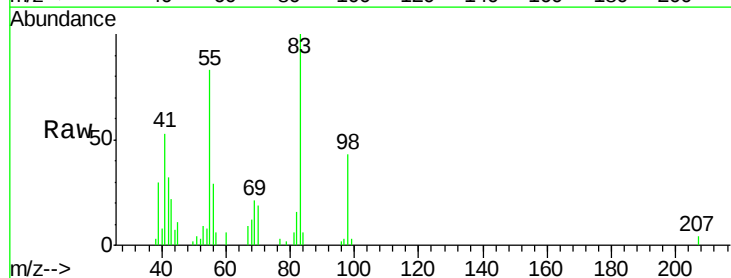
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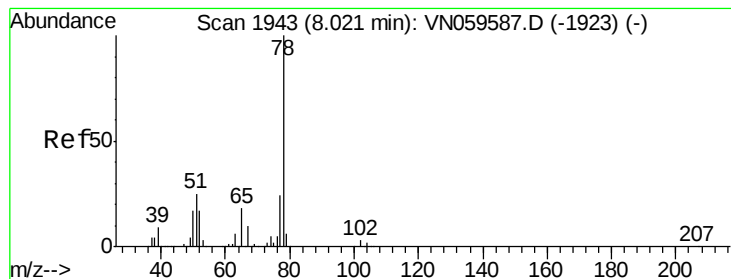
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.5	125.3
192	19.5	15.4	23.2



#39
Methylcyclohexane
Concen: 3.480 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.0	64.2	96.2
98	43.2	35.9	53.9





#40

Benzene

Concen: 280.412 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN059642.D

Acq: 17 Dec 2019 21:44

Instrument :

MSVOA_N

ClientSampleId :

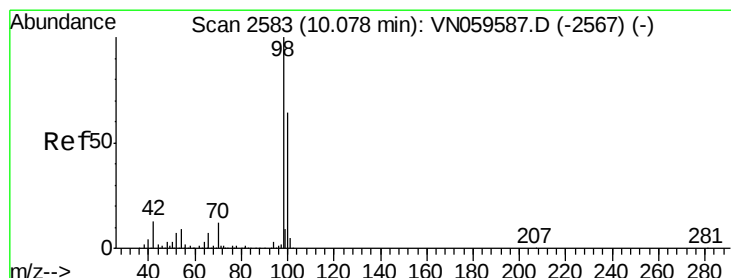
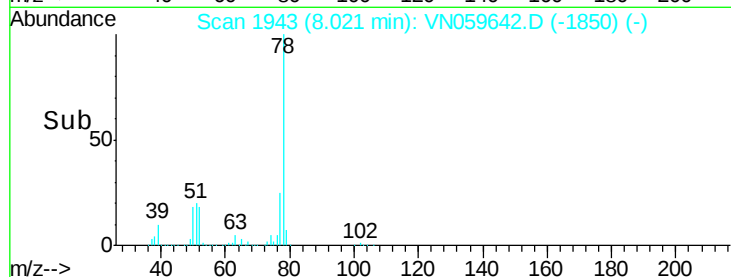
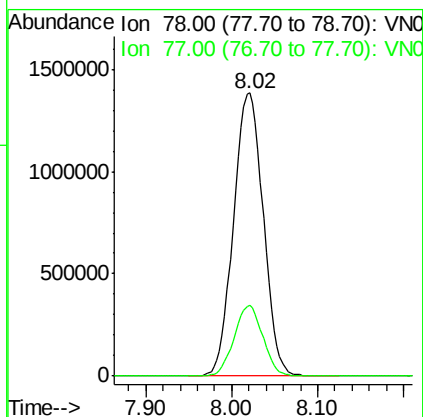
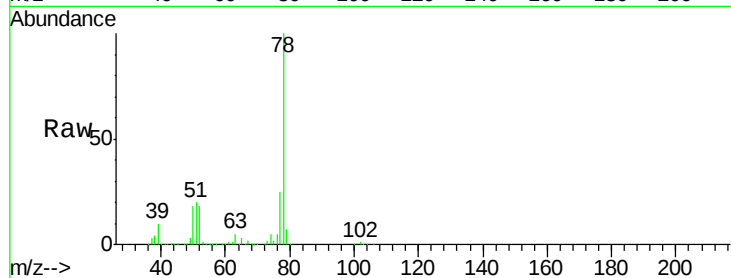
30786

Tot Ion: 78 Resp: 3326642

Ion Ratio Lower Upper

78 100

77 24.9 18.9 28.3



#50

Toluene-d8

Concen: 50.259 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059642.D

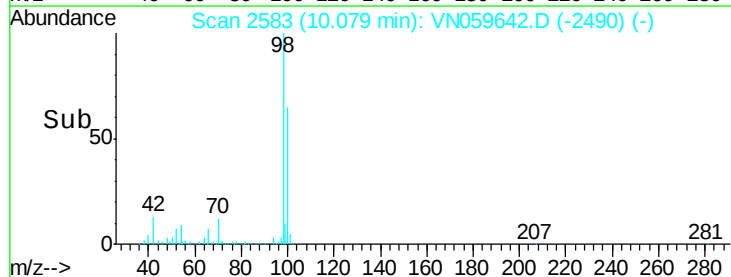
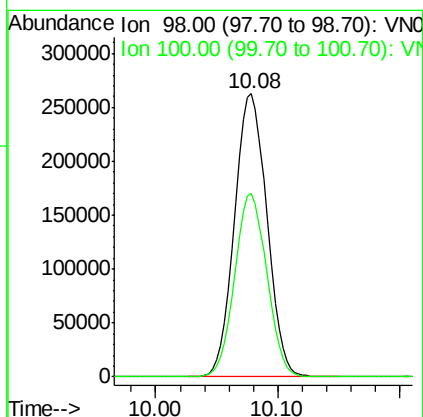
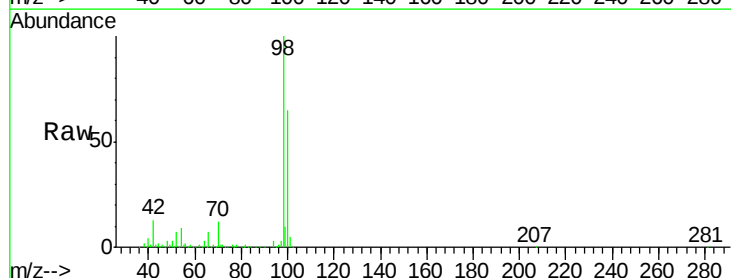
Acq: 17 Dec 2019 21:44

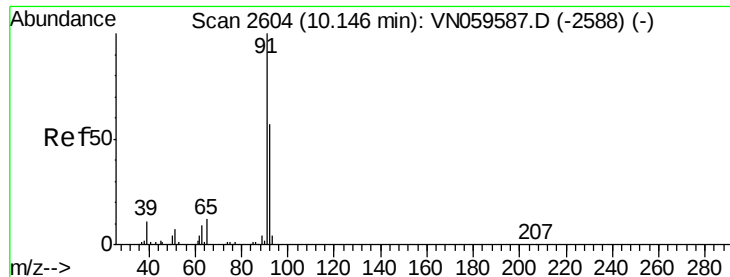
Tgt Ion: 98 Resp: 484644

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8





#52

Toluene

Concen: 270.851 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059642.D

Acq: 17 Dec 2019 21:44

Instrument :

MSVOA_N

ClientSampleId :

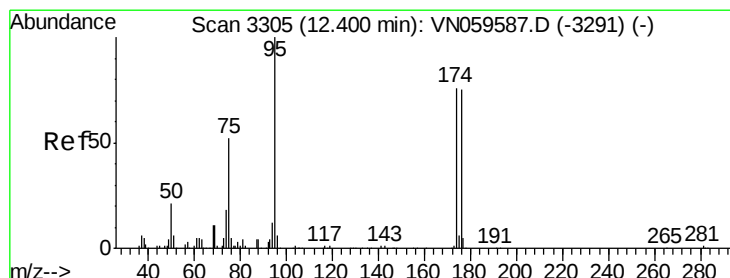
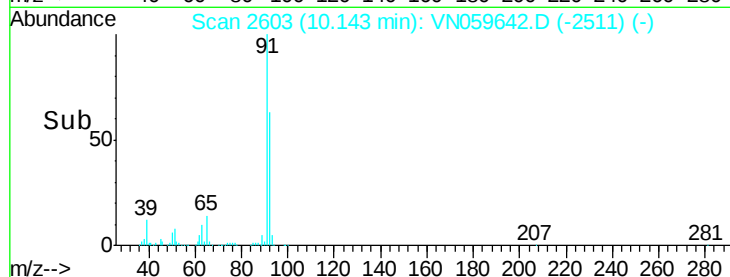
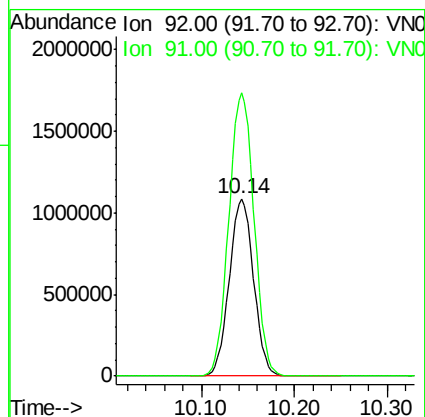
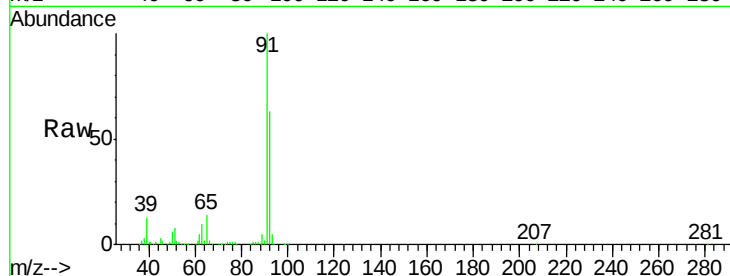
30786

Tot Ion: 92 Resp: 1974309

Ion Ratio Lower Upper

92 100

91 165.7 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 49.362 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059642.D

Acq: 17 Dec 2019 21:44

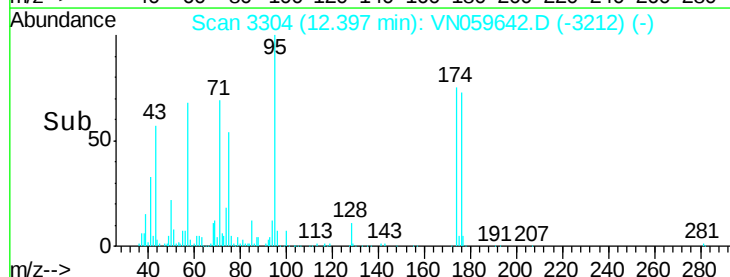
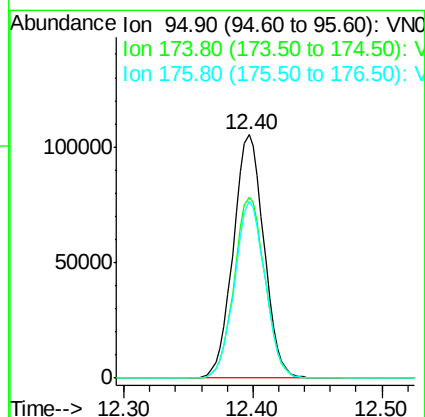
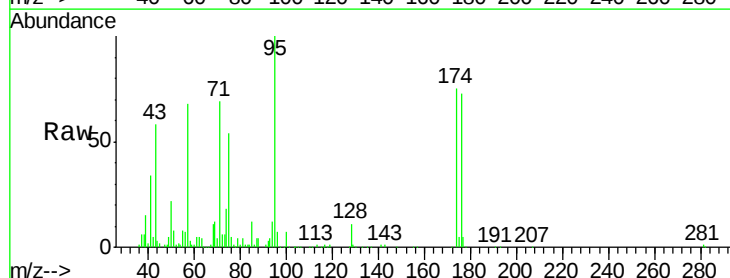
Tgt Ion: 95 Resp: 173684

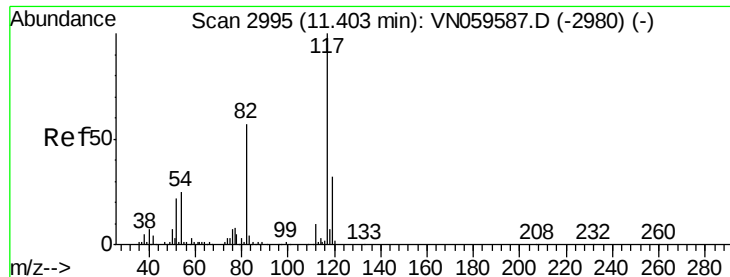
Ion Ratio Lower Upper

95 100

174 74.8 0.0 151.4

176 72.6 0.0 146.0

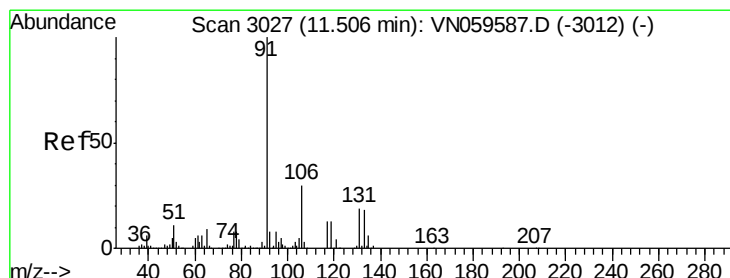
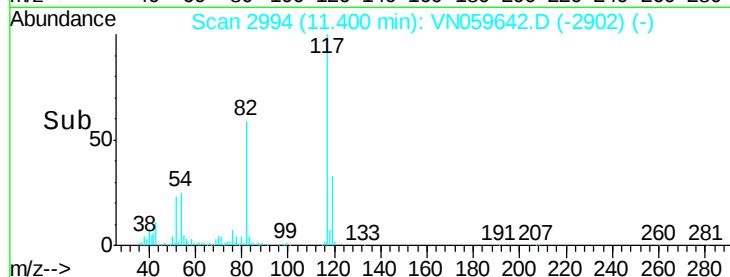
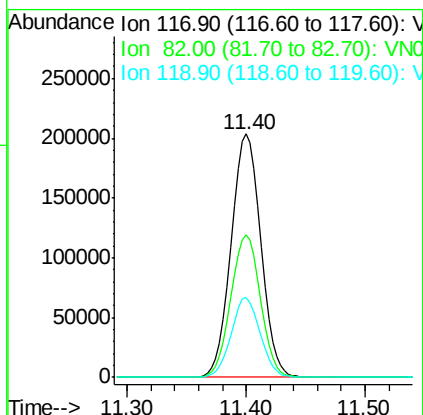
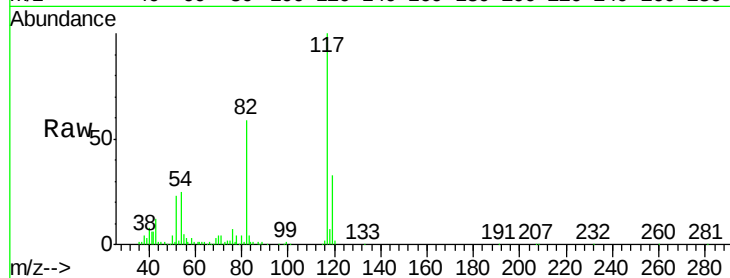




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

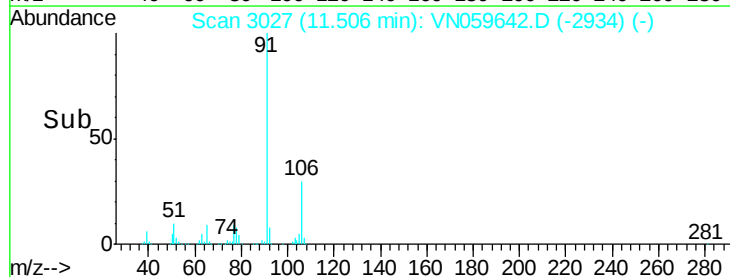
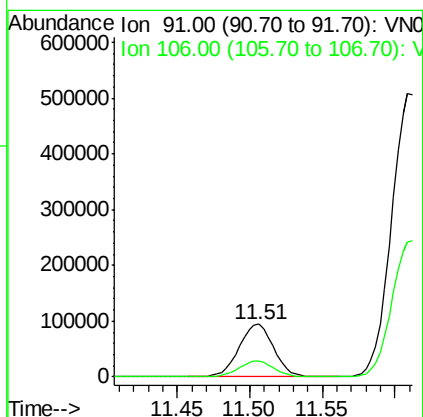
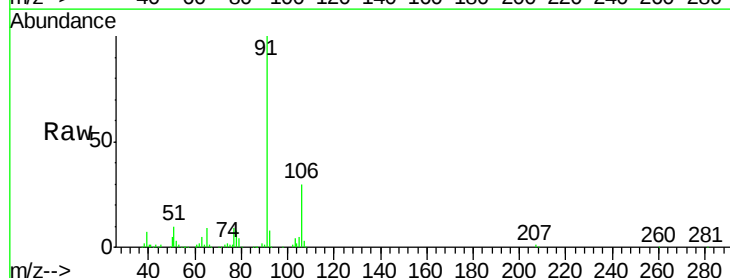
Instrument :
MSVOA_N
ClientSampled :
30786

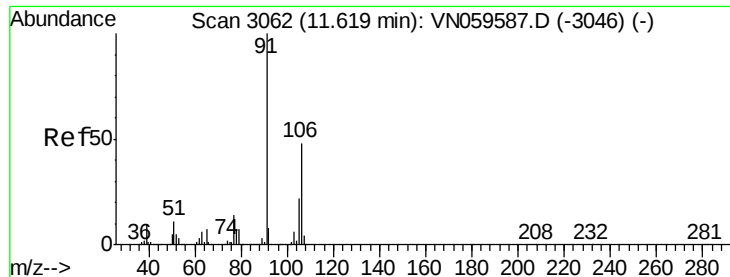
Tot Ion:117 Resp: 353084
Ion Ratio Lower Upper
117 100
82 58.7 45.9 68.9
119 32.6 25.5 38.3



#67
Ethyl Benzene
Concen: 11.398 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

Tgt Ion: 91 Resp: 157176
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1

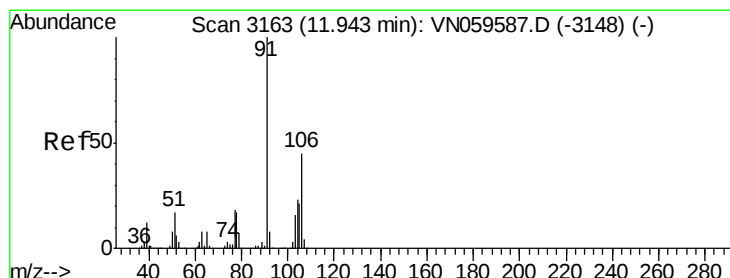
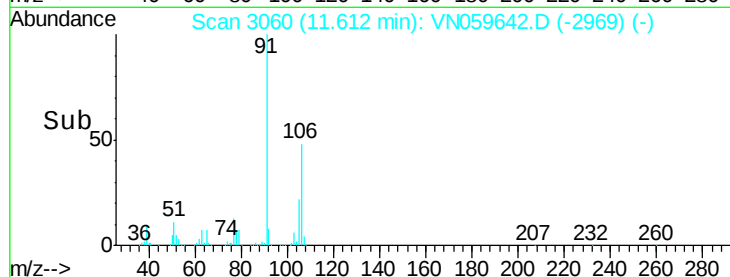
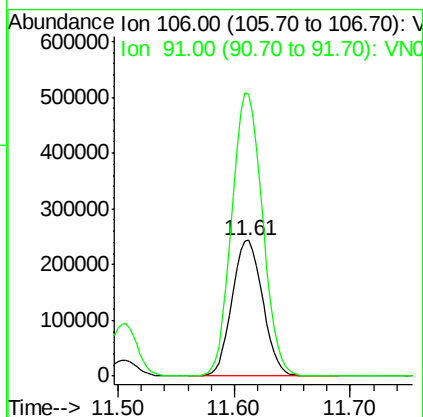
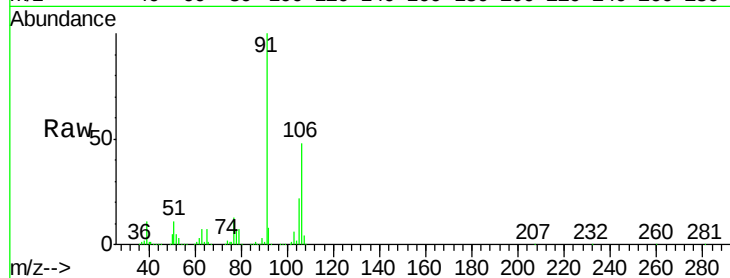




#68
m/p-Xylenes
Concen: 87.526 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

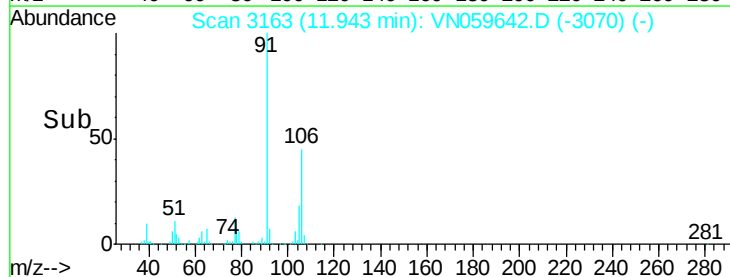
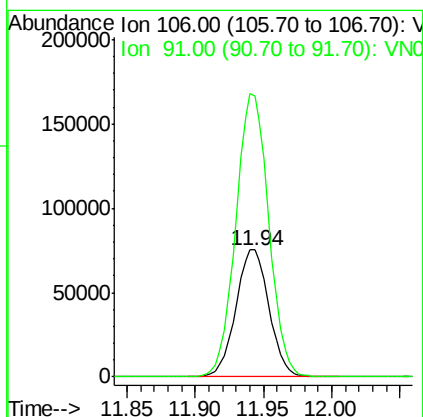
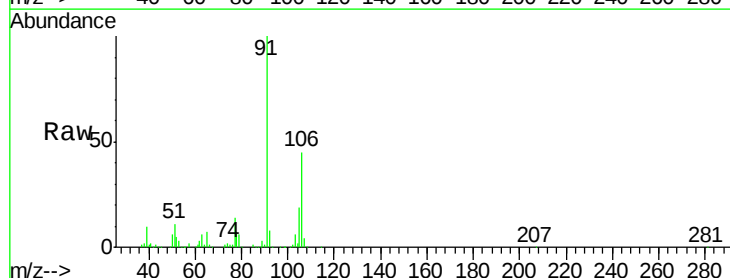
Instrument :
MSVOA_N
ClientSampleId :
30786

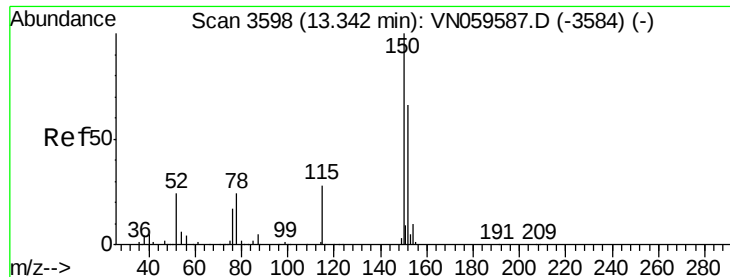
Tot Ion:106 Resp: 445708
Ion Ratio Lower Upper
106 100
91 209.2 167.9 251.9



#69
o-Xylene
Concen: 26.188 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

Tgt Ion:106 Resp: 126890
Ion Ratio Lower Upper
106 100
91 221.1 110.3 330.9



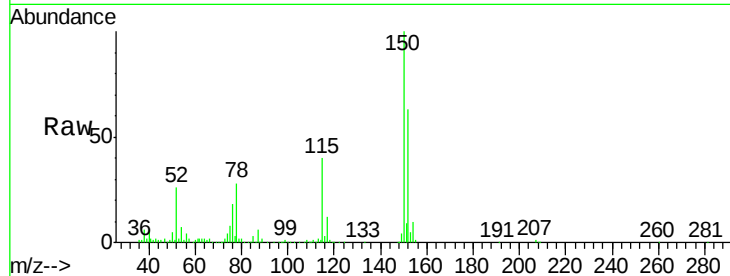


#72

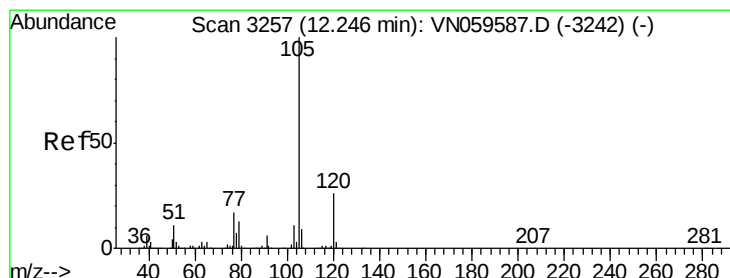
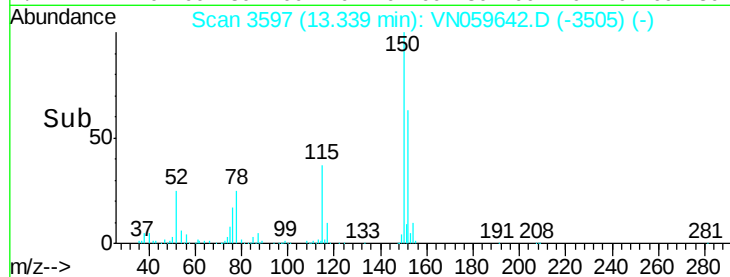
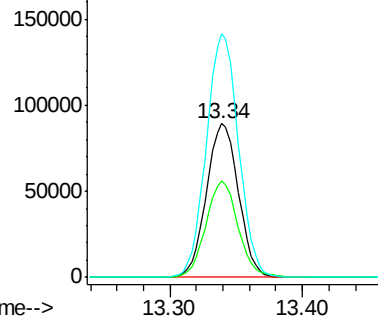
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

Instrument :
MSVOA_N
ClientSampled :
30786

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.1	30.3	90.9
150	159.0	0.0	345.2



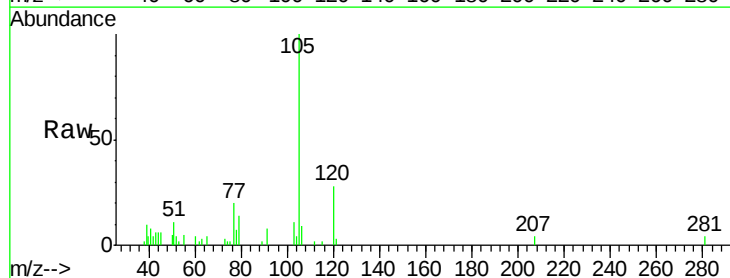
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



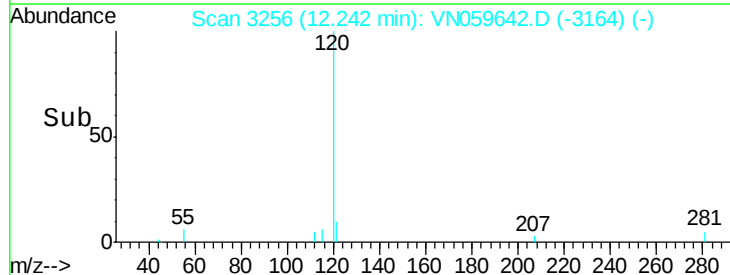
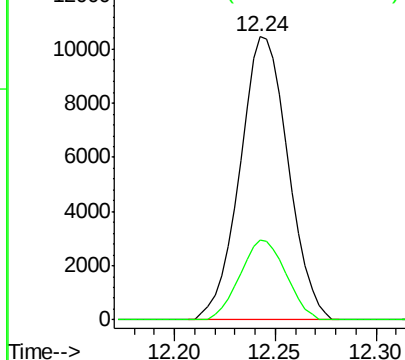
#73

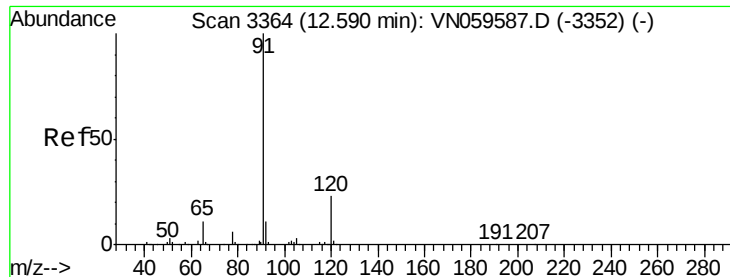
Isopropylbenzene
Concen: 1.489 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN059642.D
Acq: 17 Dec 2019 21:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.380 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059642.D

Acq: 17 Dec 2019 21:44

Instrument :

MSVOA_N

ClientSampled :

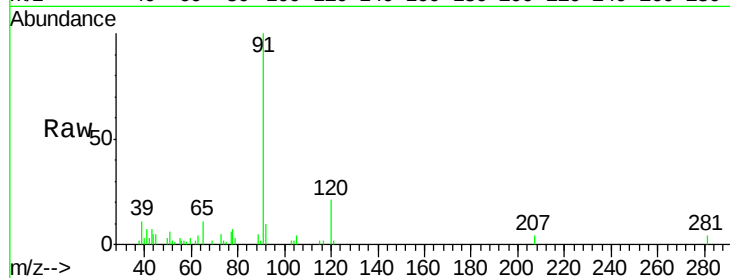
30786

Tot Ion: 91 Resp: 19182

Ion Ratio Lower Upper

91 100

120 21.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3352) (-)

20000

15000

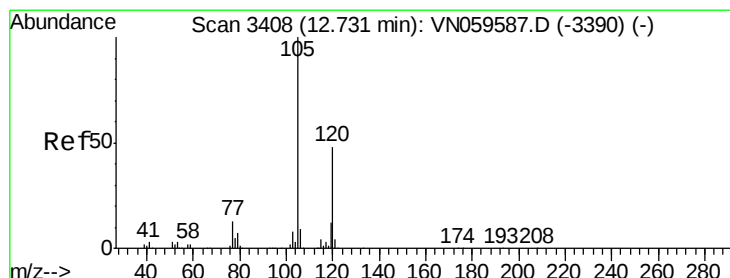
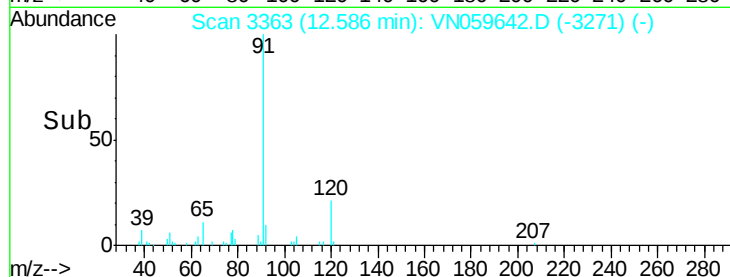
10000

5000

0

12.50 12.55 12.60

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 8.699 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059642.D

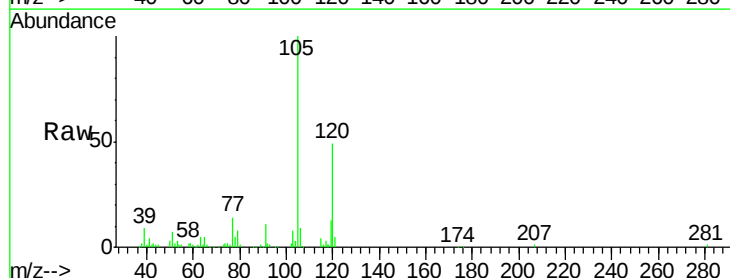
Acq: 17 Dec 2019 21:44

Tgt Ion: 105 Resp: 86577

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

60000

50000

40000

30000

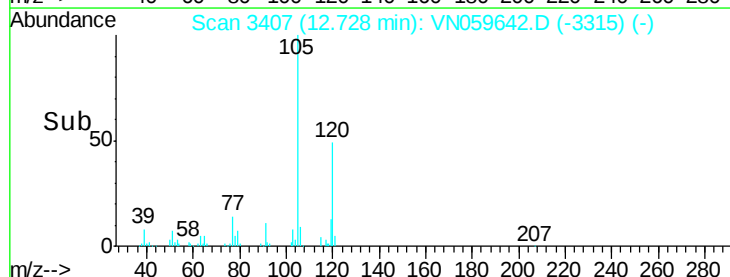
20000

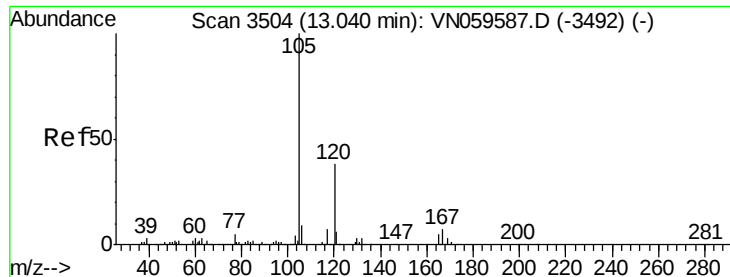
10000

0

12.70 12.75 12.80

Time-->





#84
 1,2,4-Trimethylbenzene
 Concen: 17.569 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059642.D
 Acq: 17 Dec 2019 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 30786

Tot Ion:105 Resp: 173867
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.9

