

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059292.D
 Acq On : 18 Nov 2019 18:18
 Operator : JC/SP
 Sample : K5900-14 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30724

Quant Time: Nov 19 08:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	465524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	722455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	635725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310282	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	263159	45.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.98%	
35) Dibromofluoromethane	7.57	113	213787	49.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.12%	
50) Toluene-d8	10.08	98	887437	52.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.40	95	320942	52.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.78%	

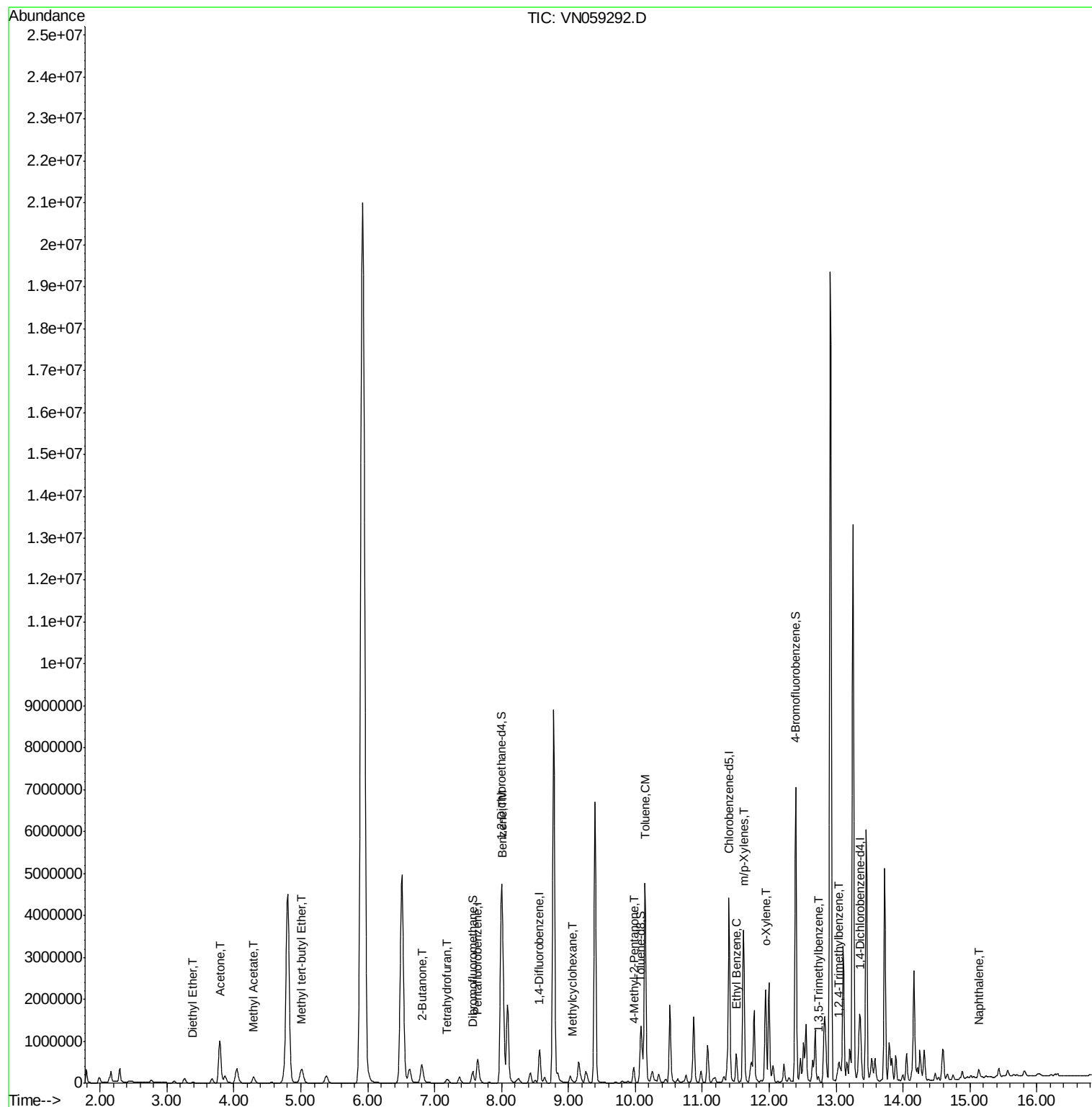
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	11775	3.919	ug/l	98
16) Acetone	3.79	43	1599501	537.502	ug/l	97
18) Methyl Acetate	4.29	43	275047	38.940	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	598016	39.998	ug/l	99
25) 2-Butanone	6.81	43	770061	196.347	ug/l	100
29) Tetrahydrofuran	7.19	42	62817	25.207	ug/l	95
39) Methylcyclohexane	9.06	83	14564	1.858	ug/l	95
40) Benzene	8.02	78	2558408	125.812	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	244528	36.084	ug/l	96
52) Toluene	10.15	92	2227335	182.743	ug/l	91
67) Ethyl Benzene	11.51	91	501815	22.823	ug/l	99
68) m/p-Xylenes	11.62	106	1186432	144.049	ug/l	98
69) o-Xylene	11.95	106	534050	67.096	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	70179	3.670	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	274320	14.826	ug/l	93
95) Naphthalene	15.13	128	151275	11.880	ug/l	99

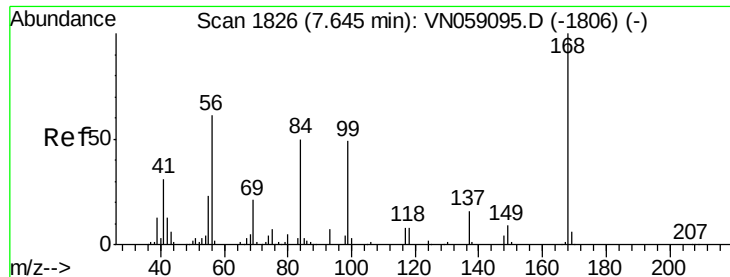
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

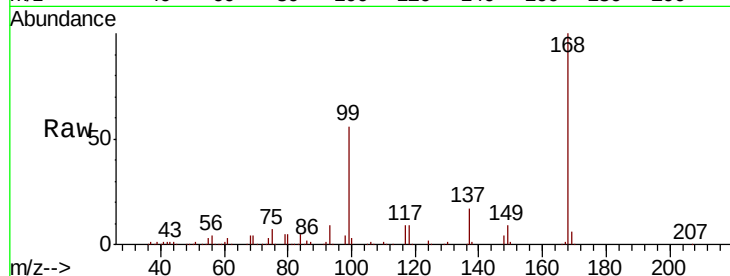
30724

Tot Ion:168 Resp: 46524

Ion Ratio Lower Upper

168 100

99 55.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

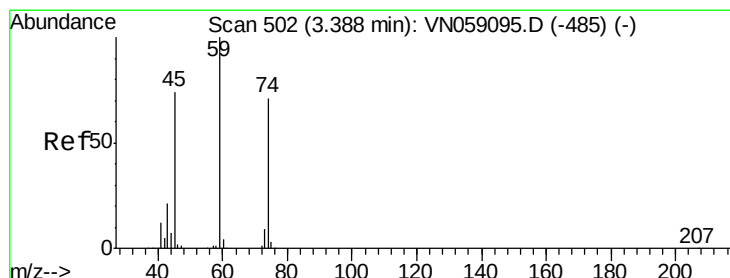
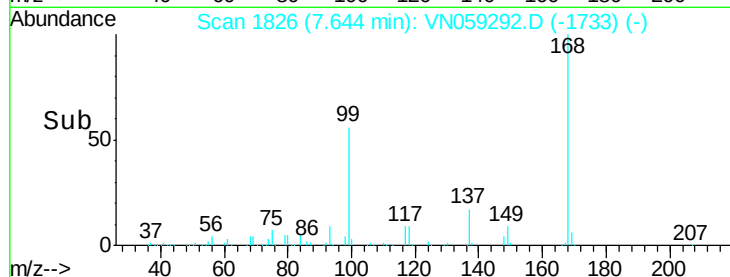
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 3.919 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059292.D

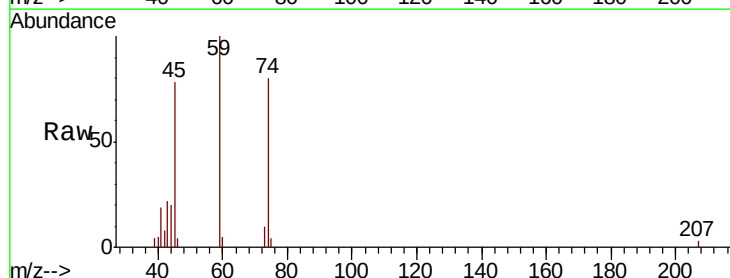
Acq: 18 Nov 2019 18:18

Tgt Ion: 74 Resp: 11775

Ion Ratio Lower Upper

74 100

45 105.0 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

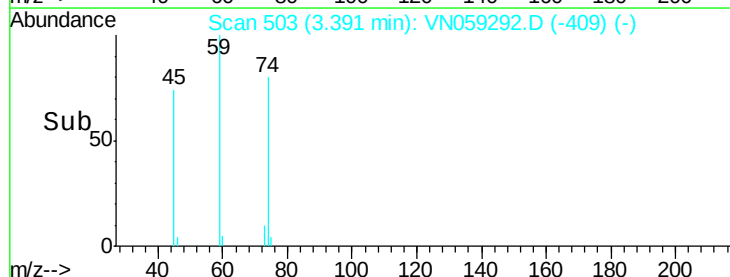
15000

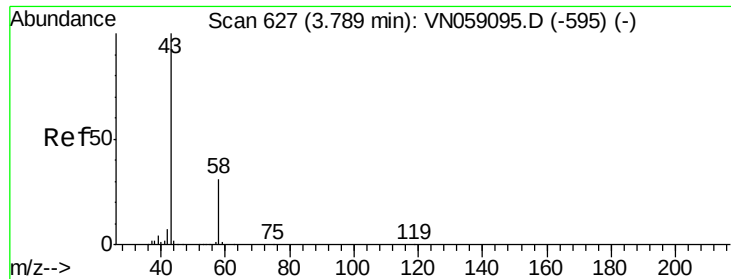
10000

5000

0

Time--> 3.30 3.35 3.40 3.45

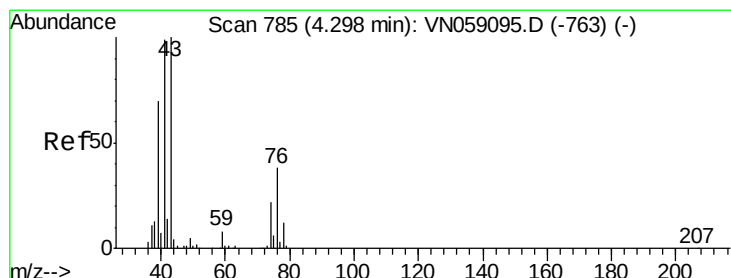
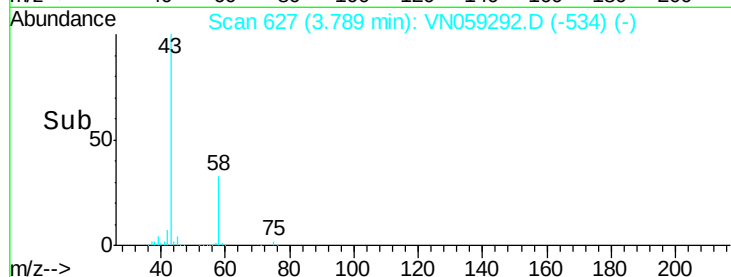
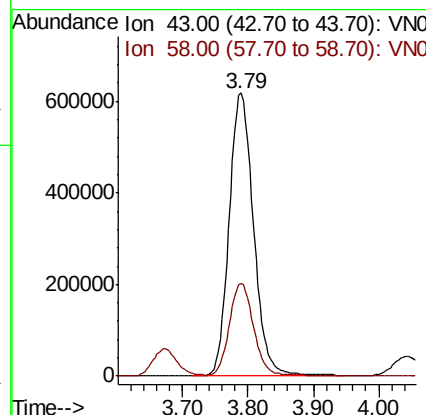
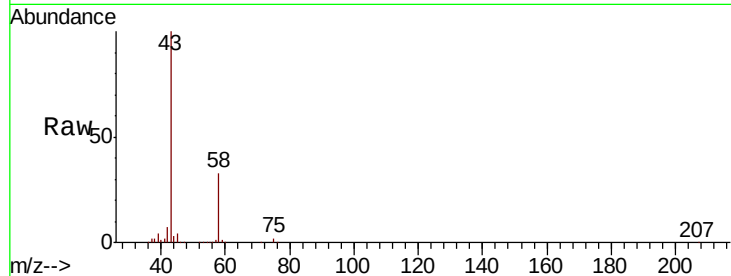




#16
Acetone
Concen: 537.502 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

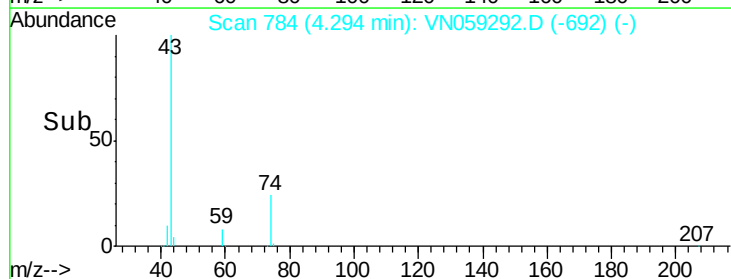
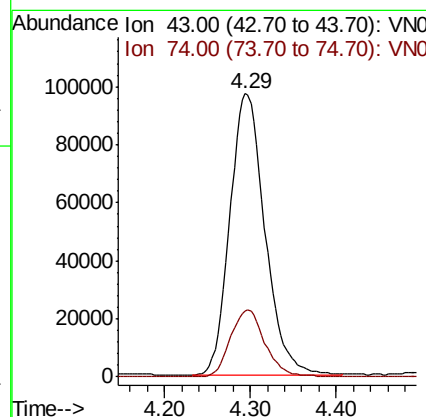
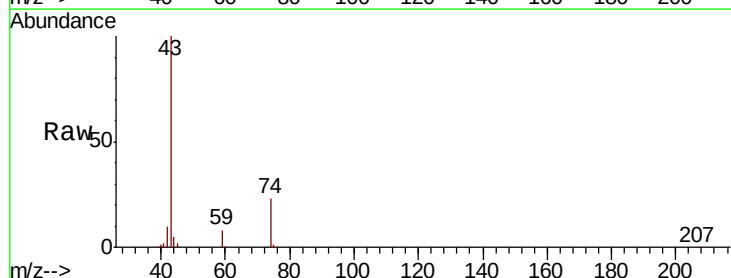
Instrument :
MSVOA_N
ClientSampled :
30724

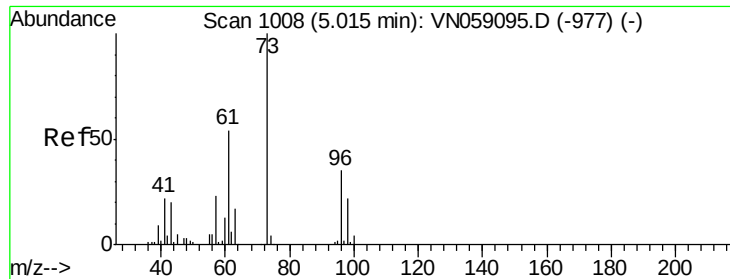
Tot Ion: 43 Resp: 1599501
Ion Ratio Lower Upper
43 100
58 32.7 24.9 37.3



#18
Methyl Acetate
Concen: 38.940 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 43 Resp: 275047
Ion Ratio Lower Upper
43 100
74 23.6 17.8 26.8

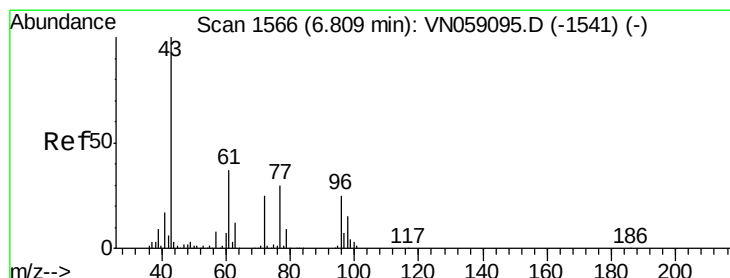
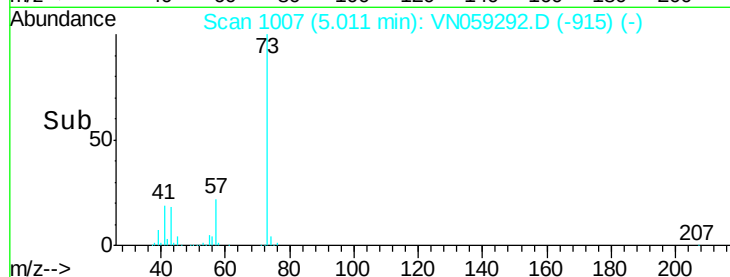
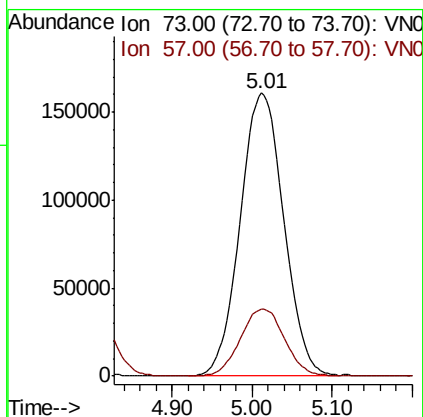
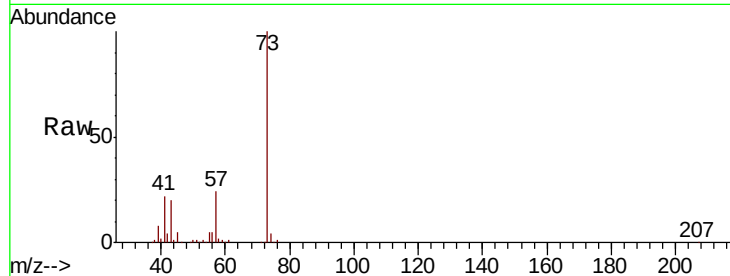




#19
Methvl tert-butyl Ether
Concen: 39.998 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

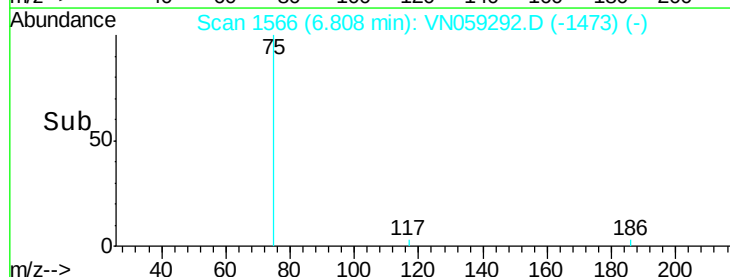
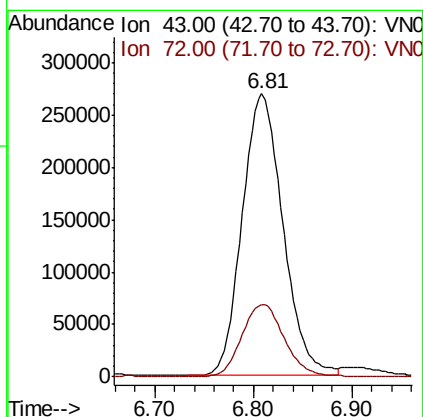
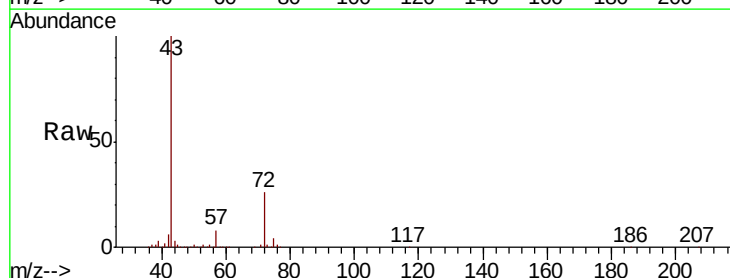
Instrument :
MSVOA_N
ClientSampled :
30724

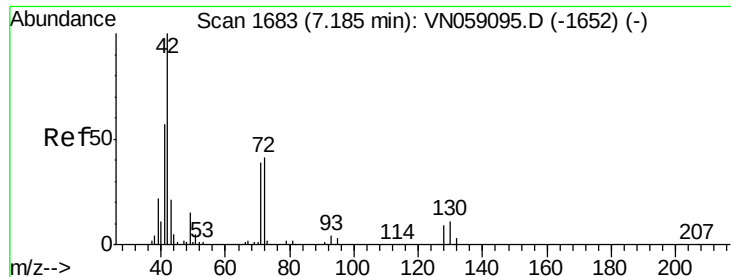
Tot Ion: 73 Resp: 598016
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6



#25
2-Butanone
Concen: 196.347 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 43 Resp: 770061
Ion Ratio Lower Upper
43 100
72 25.6 20.3 30.5

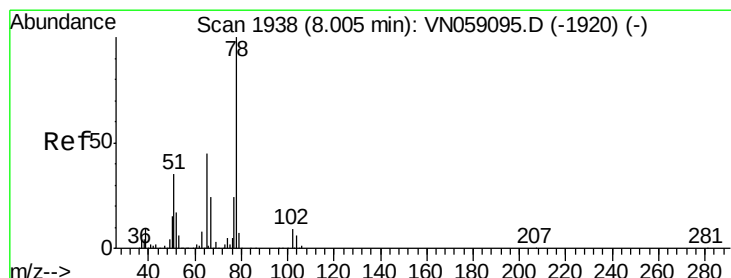
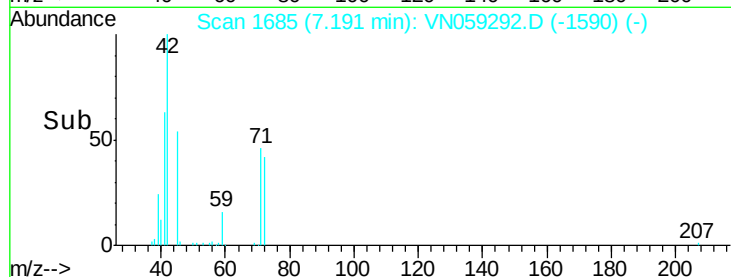
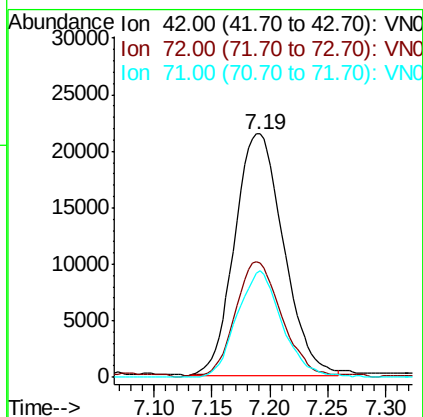
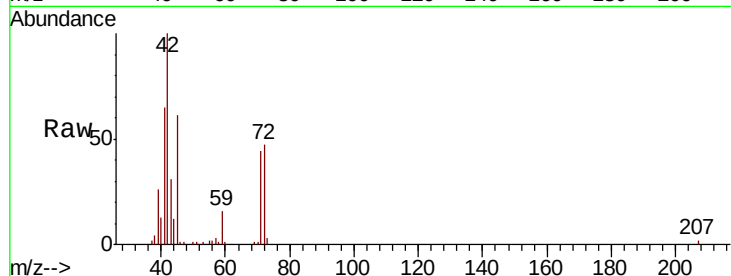




#29
Tetrahydrofuran
Concen: 25.207 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

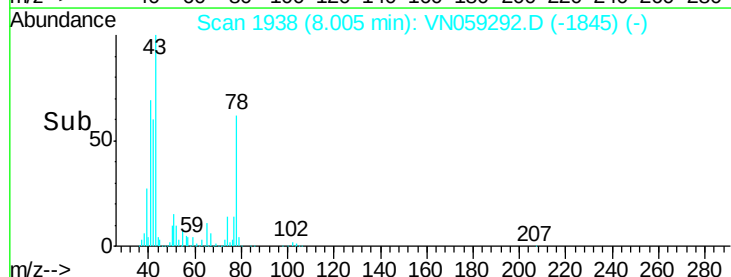
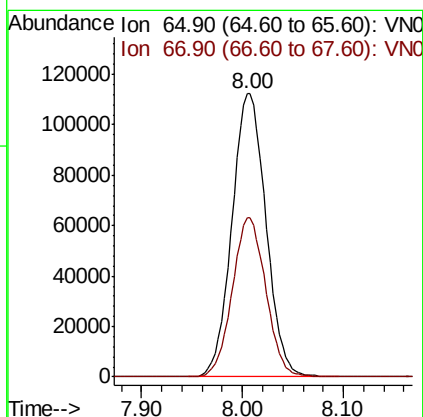
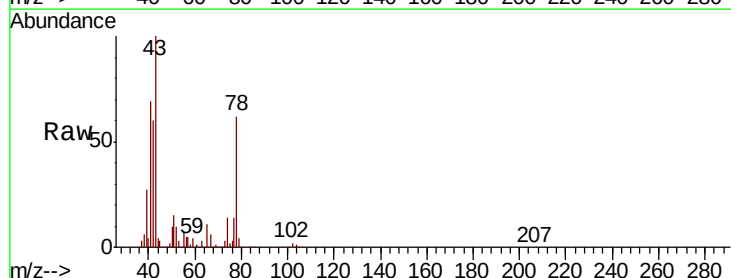
Instrument :
MSVOA_N
ClientSampled :
30724

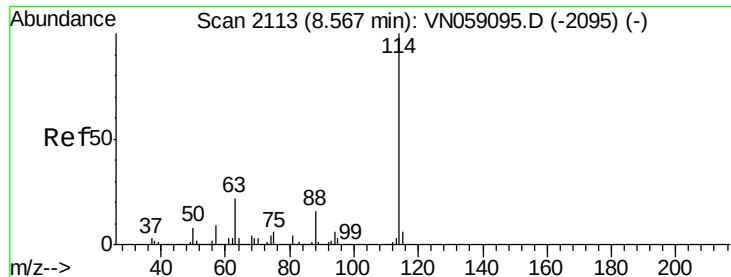
Tot Ion: 42 Resp: 62817
Ion Ratio Lower Upper
42 100
72 46.1 33.1 49.7
71 40.6 30.9 46.3



#33
1,2-Dichloroethane-d4
Concen: 45.987 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 65 Resp: 263159
Ion Ratio Lower Upper
65 100
67 55.4 0.0 107.4

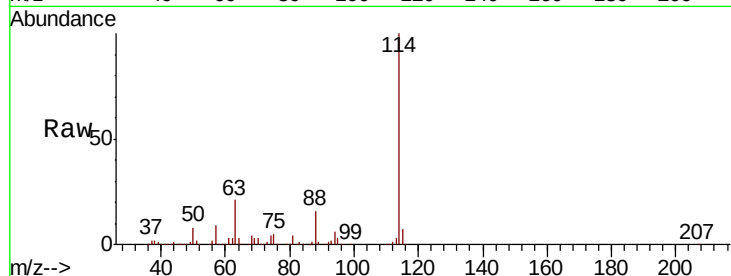




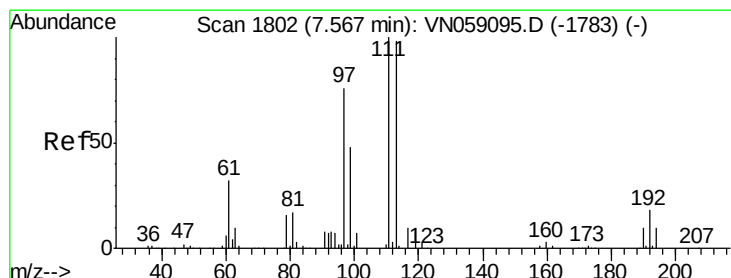
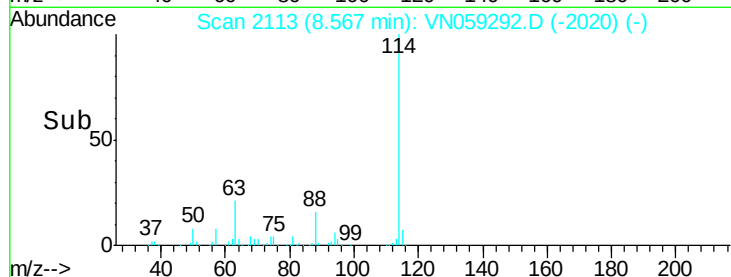
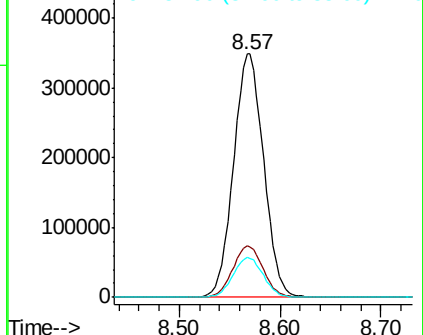
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 30724

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.4
88	16.3	0.0	32.2

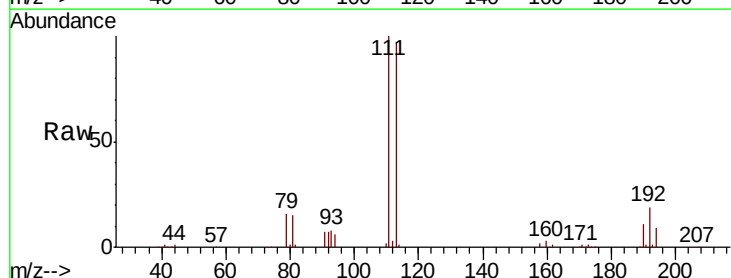


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

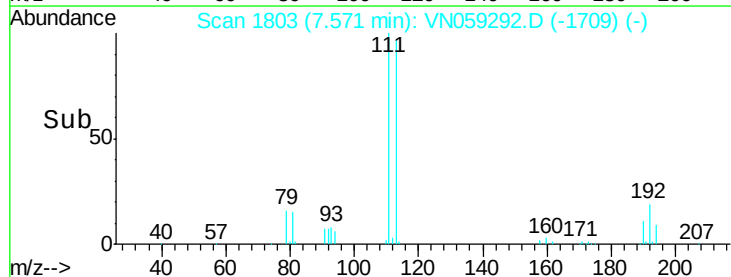
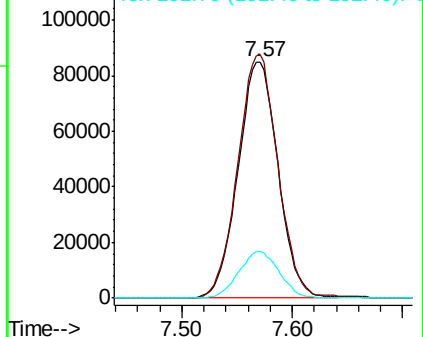


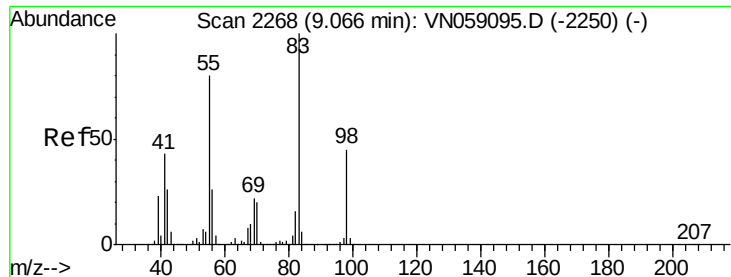
#35
 Dibromofluoromethane
 Concen: 49.559 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	19.9	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

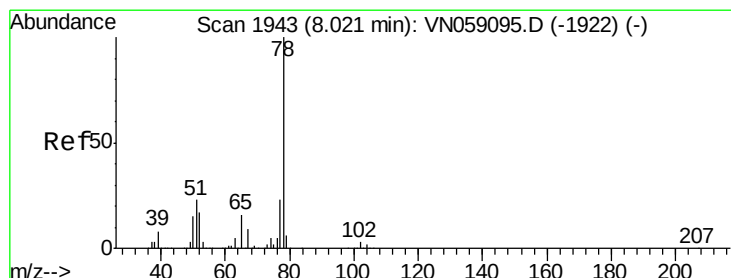
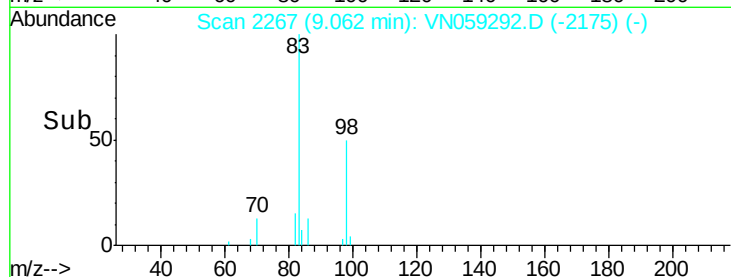
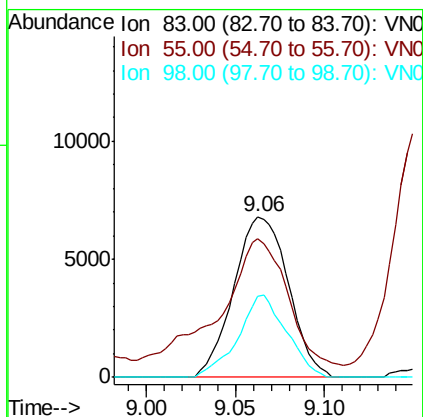
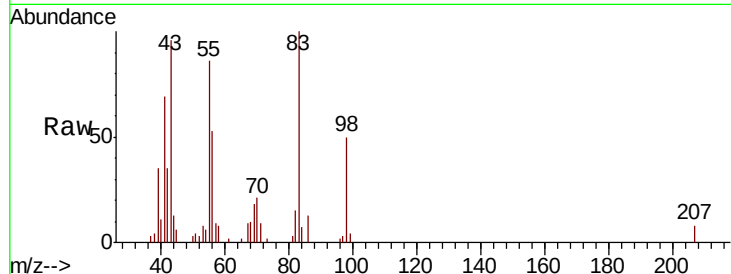




#39
Methylvlcyclohexane
Concen: 1.858 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

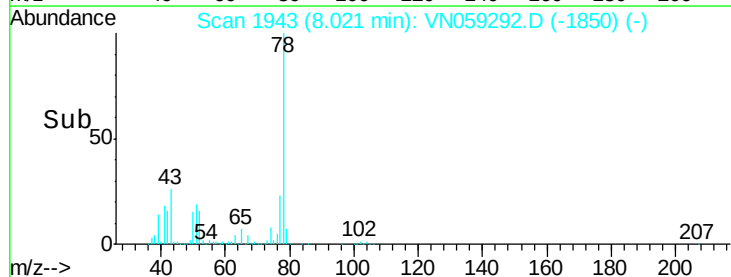
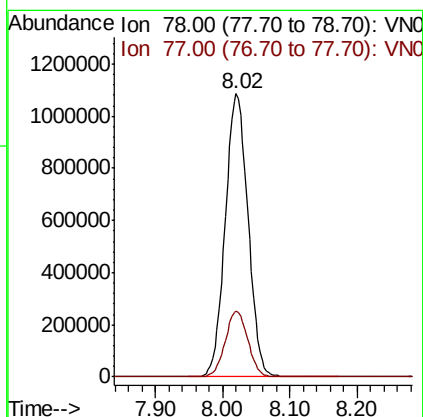
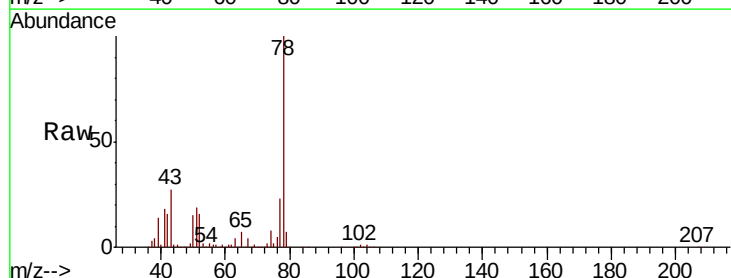
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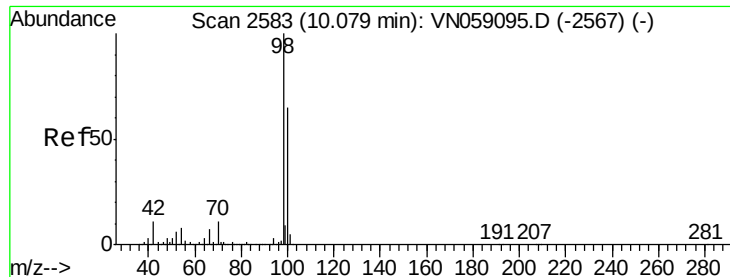
Tot Ion: 83 Resp: 14564
Ion Ratio Lower Upper
83 100
55 77.9 63.9 95.9
98 50.1 35.6 53.4



#40
Benzene
Concen: 125.812 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 78 Resp: 2558408
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





#50

Toluene-d8

Concen: 52.228 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

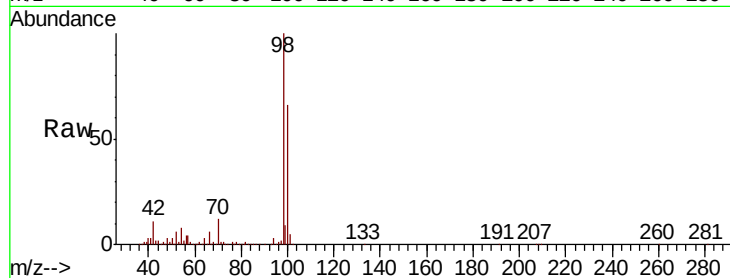
30724

Tot Ion: 98 Resp: 887437

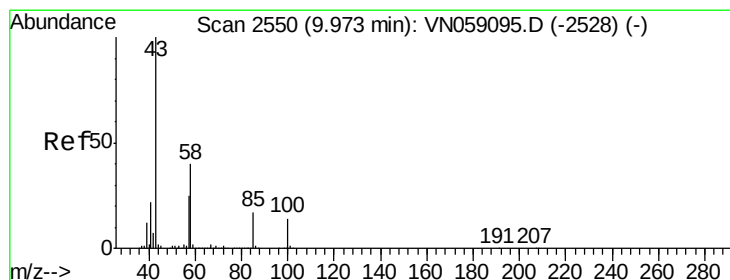
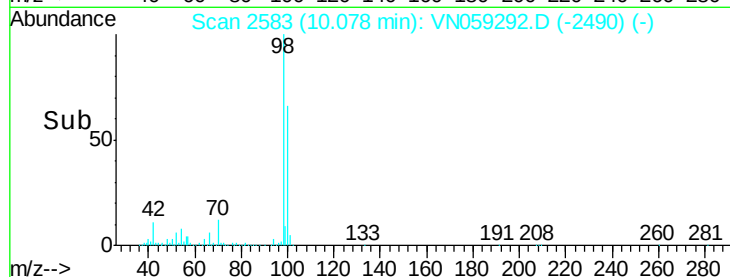
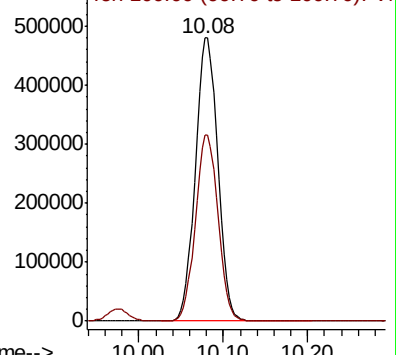
Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059095.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 36.084 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059292.D

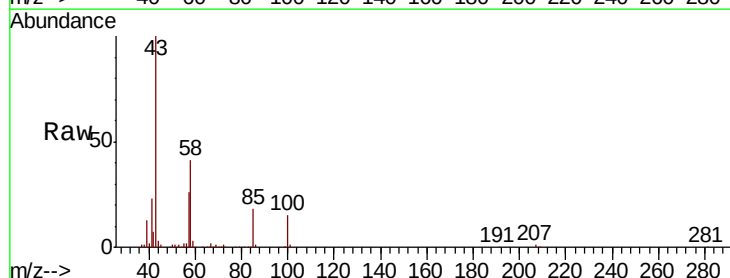
Acq: 18 Nov 2019 18:18

Tgt Ion: 43 Resp: 244528

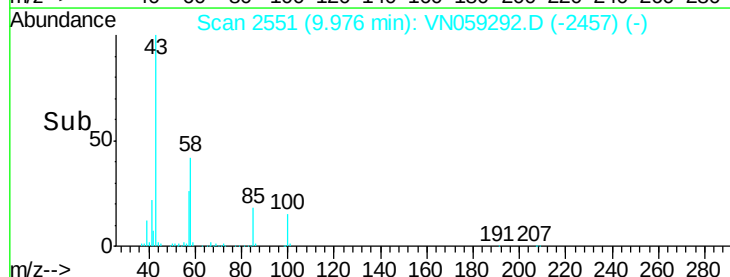
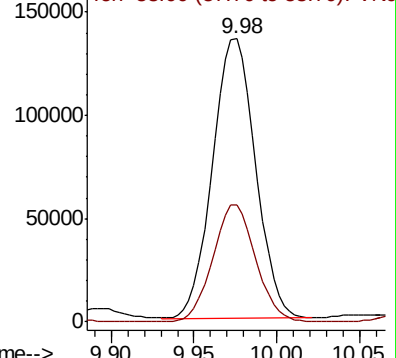
Ion Ratio Lower Upper

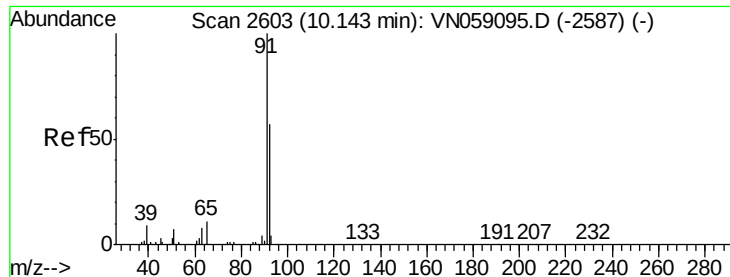
43 100

58 41.7 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)





#52

Toluene

Concen: 182.743 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

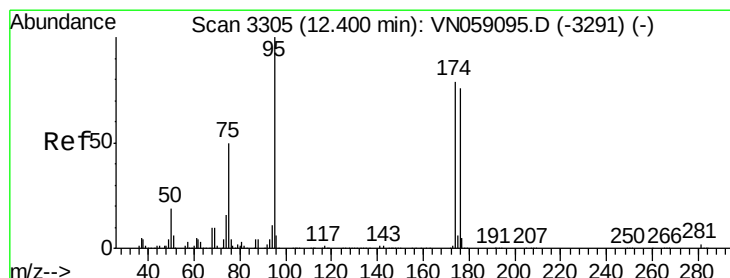
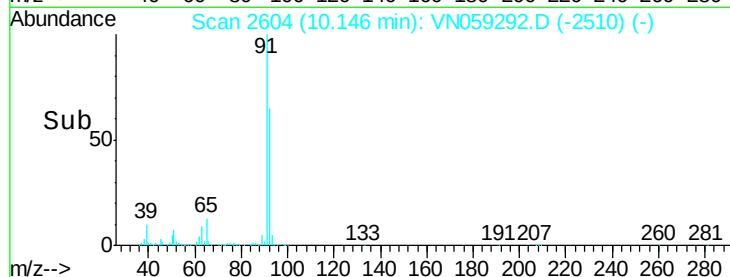
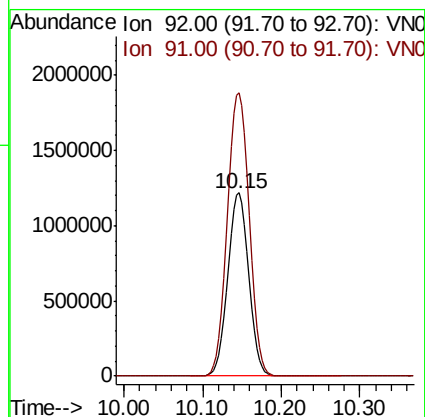
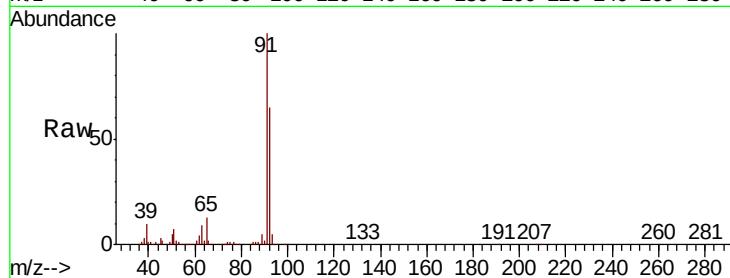
30724

Tot Ion: 92 Resp: 2227335

Ion Ratio Lower Upper

92 100

91 162.1 139.5 209.3



#62

4-Bromofluorobenzene

Concen: 52.386 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

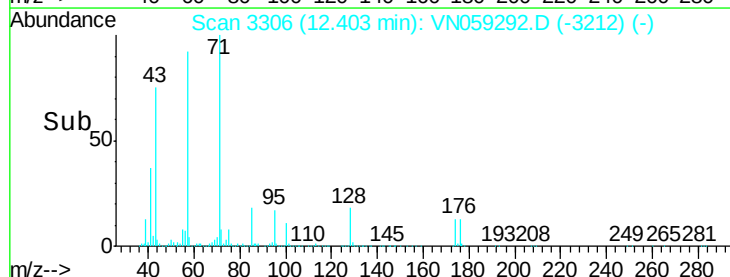
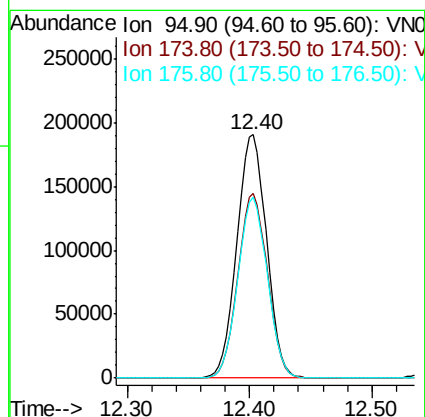
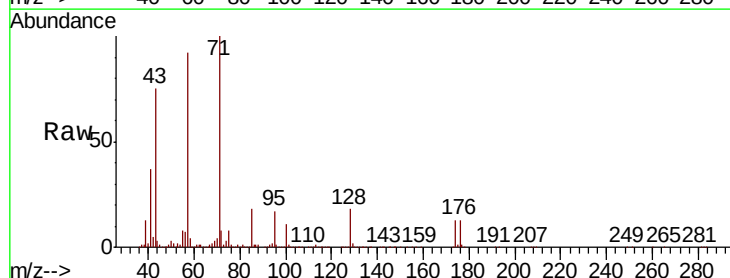
Tgt Ion: 95 Resp: 320942

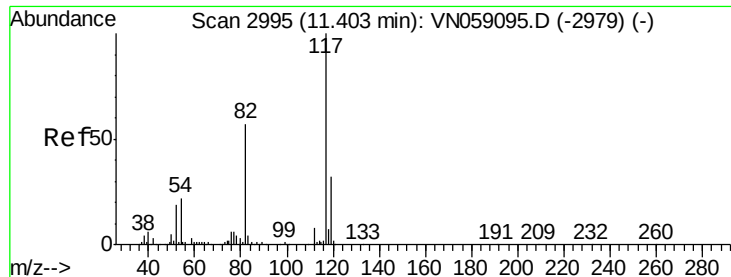
Ion Ratio Lower Upper

95 100

174 75.6 0.0 158.2

176 73.9 0.0 151.8

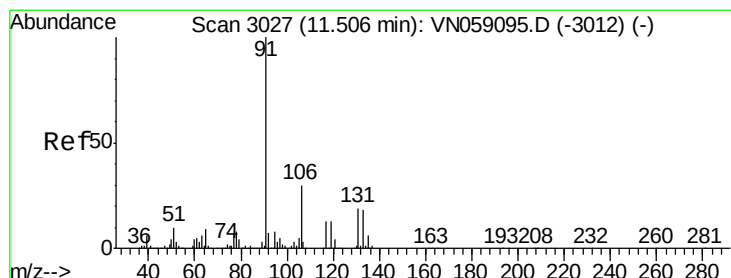
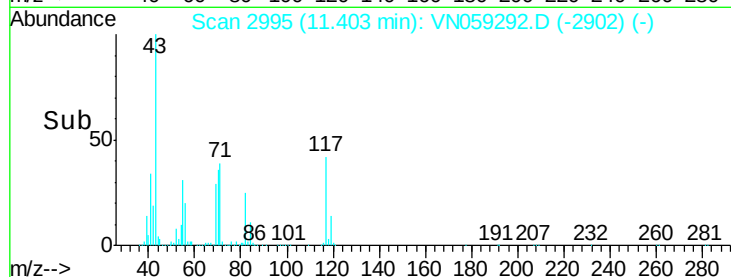
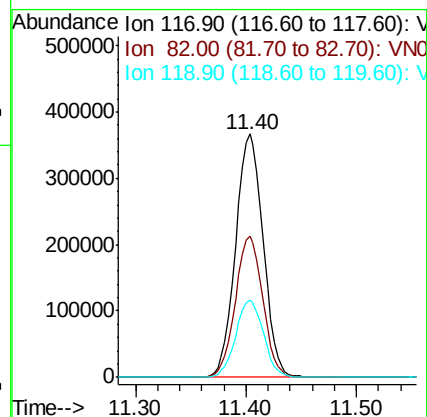
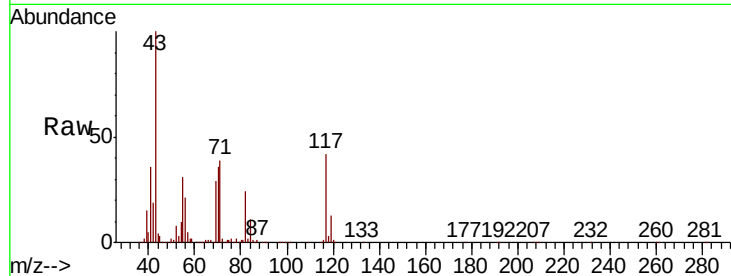




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

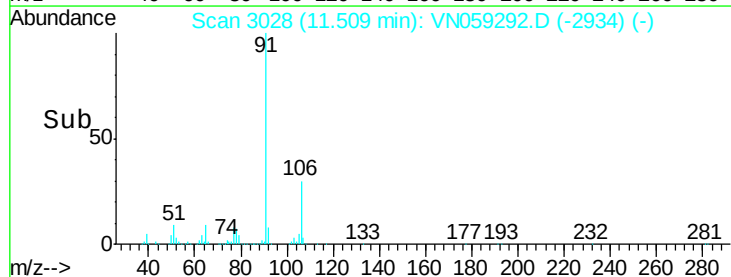
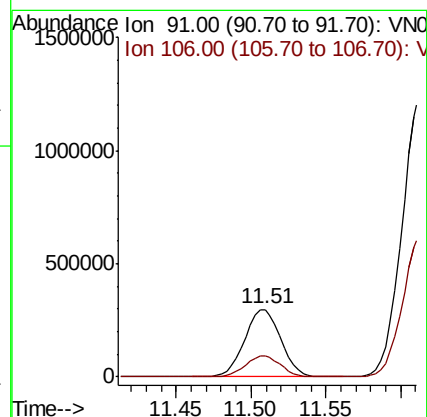
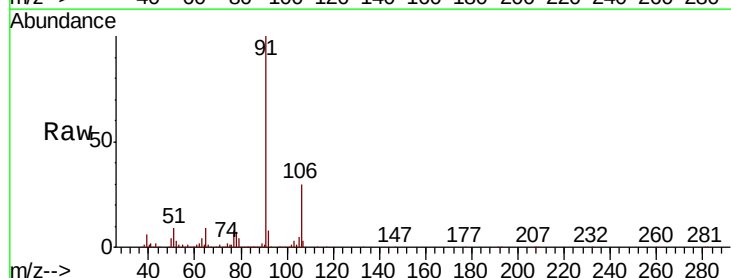
Instrument :
MSVOA_N
ClientSampleId :
30724

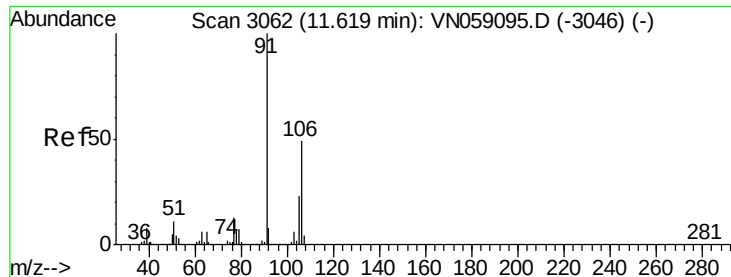
Tot Ion:117 Resp: 635725
Ion Ratio Lower Upper
117 100
82 57.8 45.8 68.8
119 31.8 25.8 38.6



#67
Ethyl Benzene
Concen: 22.823 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 91 Resp: 501815
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1

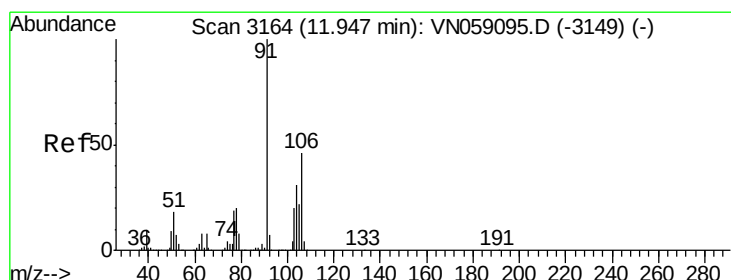
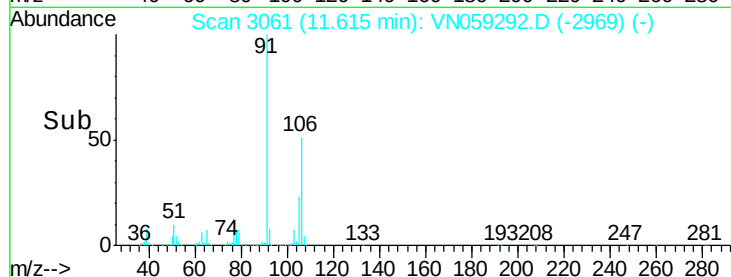
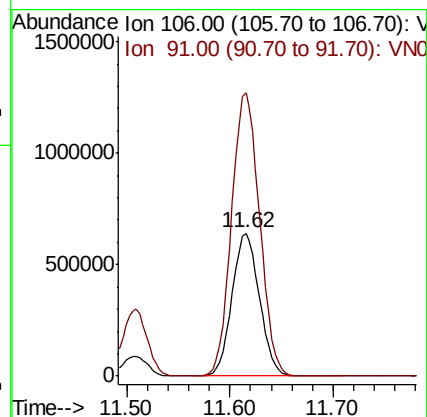
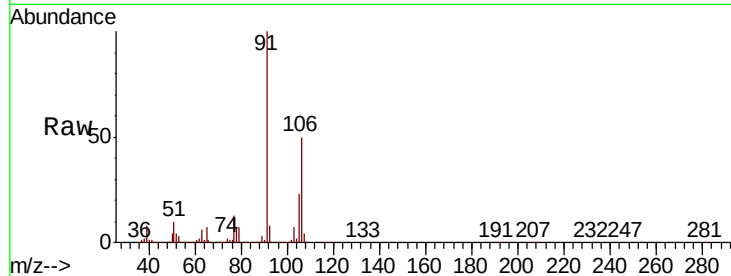




#68
m/p-Xylenes
Concen: 144.049 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

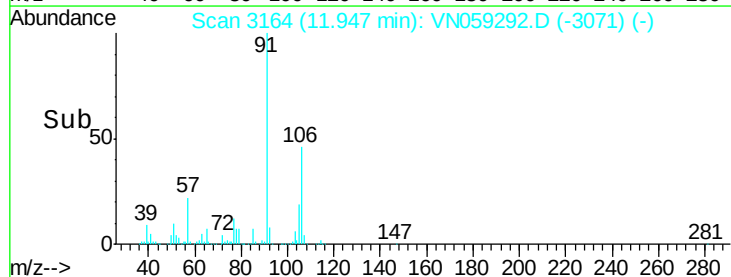
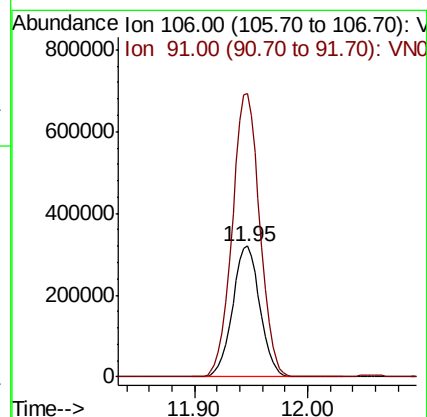
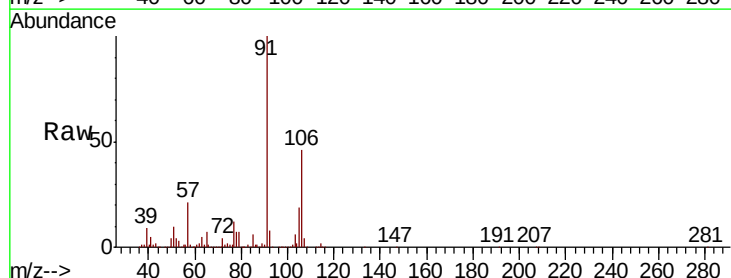
Instrument :
MSVOA_N
ClientSampled :
30724

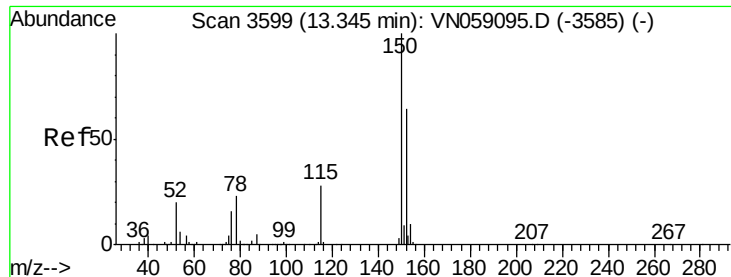
Tot Ion:106 Resp: 1186432
Ion Ratio Lower Upper
106 100
91 202.7 164.7 247.1



#69
o-Xylene
Concen: 67.096 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion:106 Resp: 534050
Ion Ratio Lower Upper
106 100
91 219.0 110.1 330.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

30724

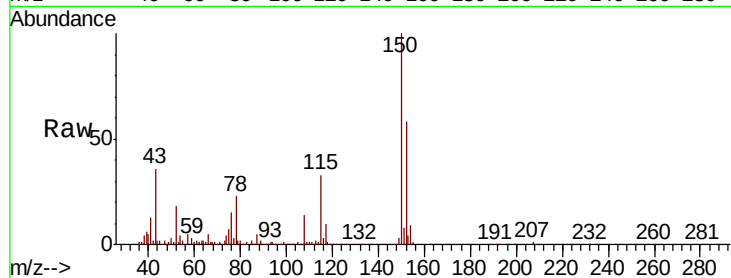
Tot Ion:152 Resp: 310282

Ion Ratio Lower Upper

152 100

115 58.8 29.4 88.2

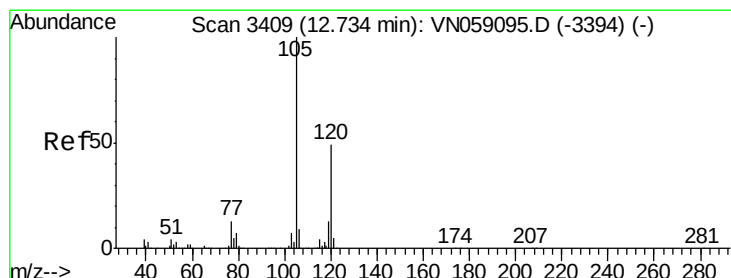
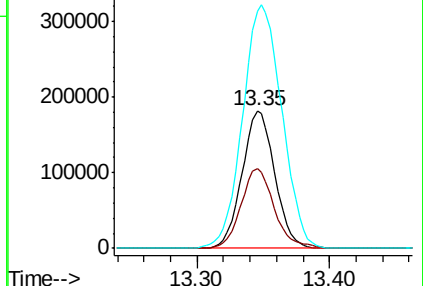
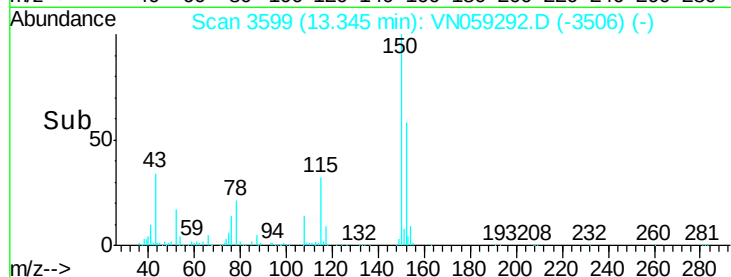
150 212.9 0.0 345.8



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



#80

1,3,5-Trimethylbenzene

Concen: 3.670 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059292.D

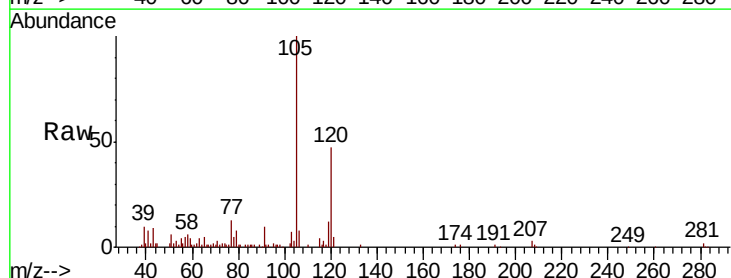
Acq: 18 Nov 2019 18:18

Tgt Ion:105 Resp: 70179

Ion Ratio Lower Upper

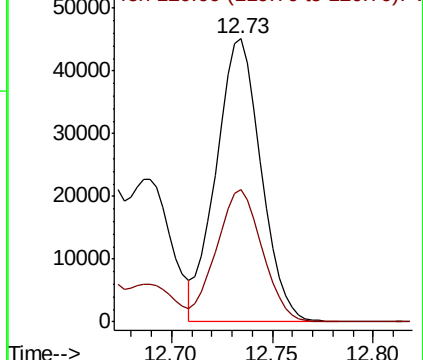
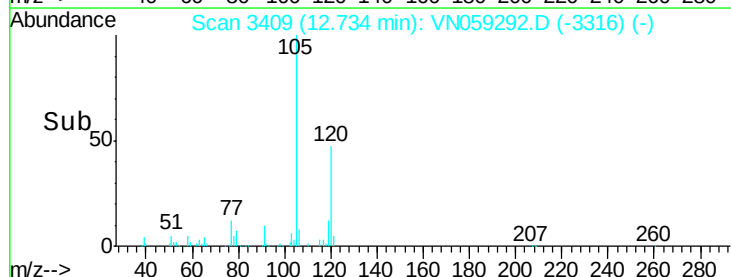
105 100

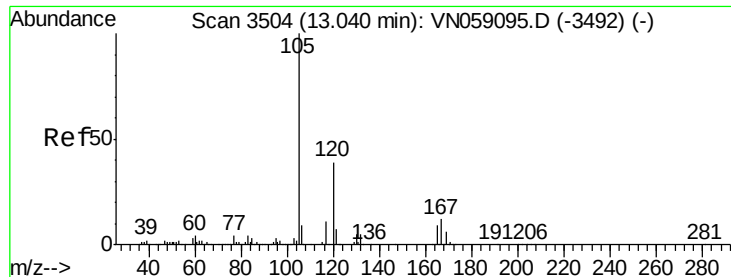
120 47.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 14.826 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

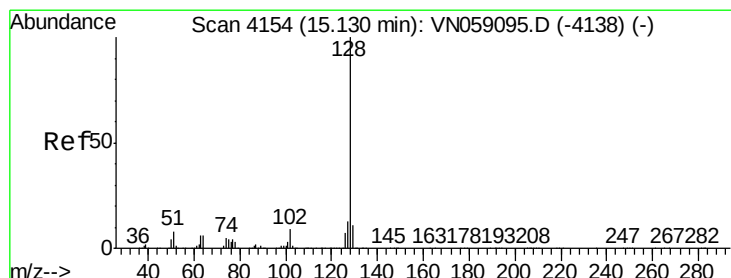
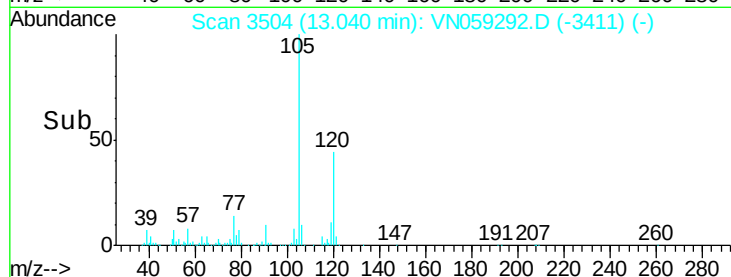
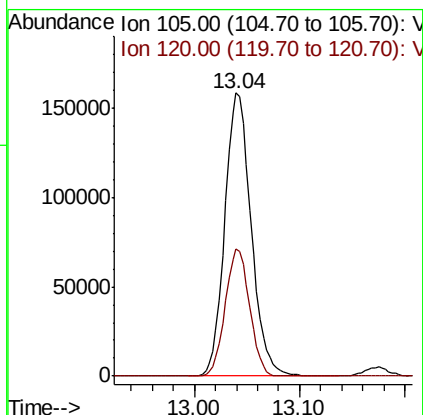
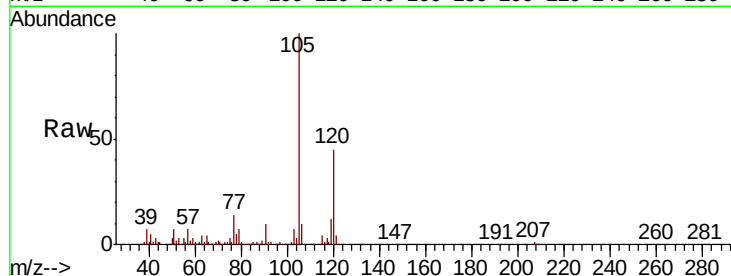
ClientSampled :
30724

Tot Ion:105 Resp: 274320

Ion Ratio Lower Upper

105 100

120 41.3 22.8 68.4



#95

Naphthalene

Concen: 11.880 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Tgt Ion:128 Resp: 151275

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.1 8.6 12.8

