

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059313.D
 Acq On : 19 Nov 2019 18:20
 Operator : JC/SP
 Sample : K5900-18DL 25X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30726DL

Quant Time: Nov 20 03:28:21 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	7.65	168	441441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	693059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	604253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	250715	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	261496	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.38%		
35) Dibromofluoromethane	7.57	113	207756	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.40%		
50) Toluene-d8	10.08	98	839528	51.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.00%		
62) 4-Bromofluorobenzene	12.40	95	283391	48.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.44%		

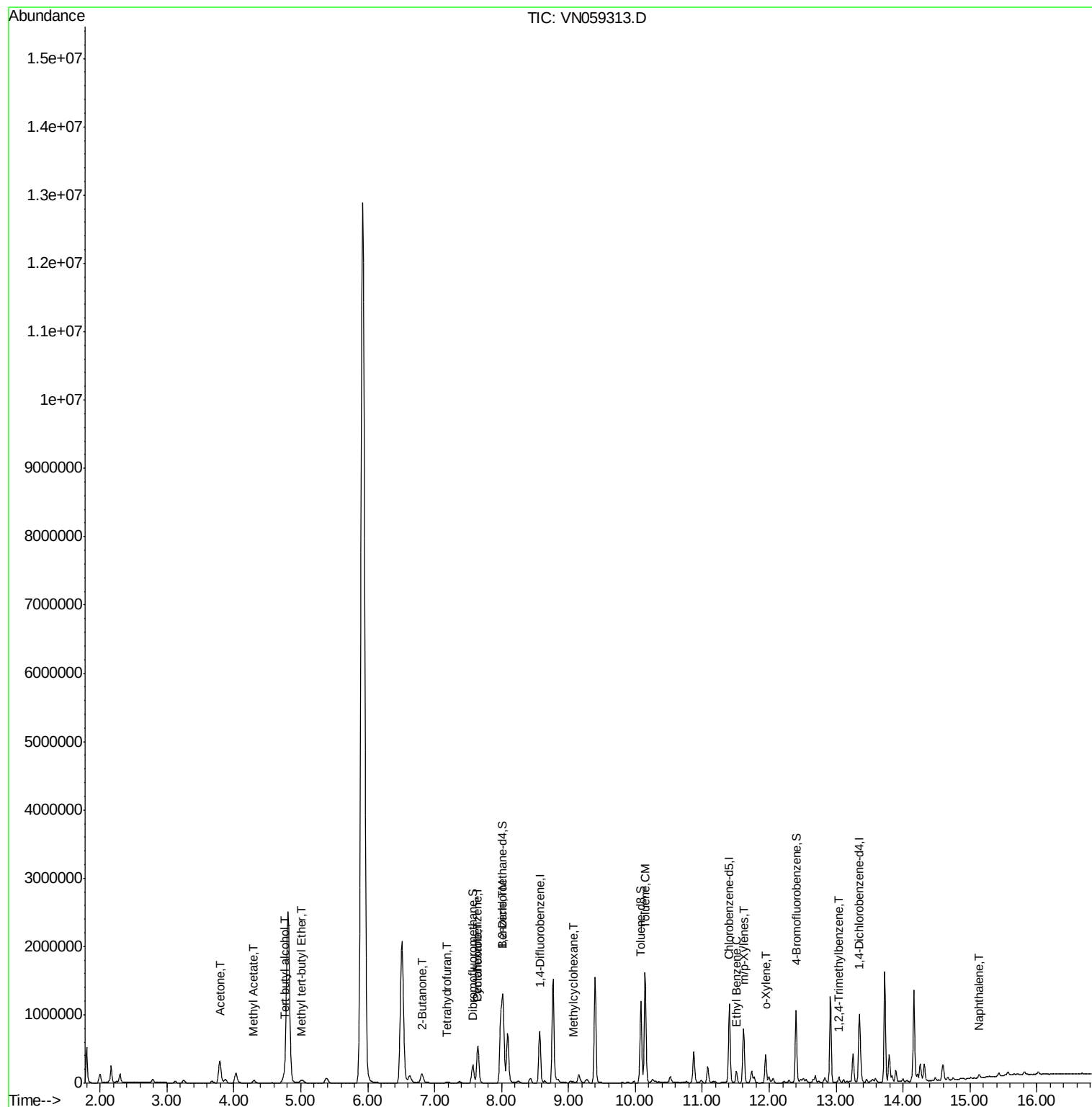
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	184137	178.054	ug/l #	91
16) Acetone	3.79	43	529020	187.472	ug/l	99
18) Methyl Acetate	4.30	43	77552	11.578	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	64111	4.522	ug/l #	86
25) 2-Butanone	6.81	43	217440	58.467	ug/l	99
29) Tetrahydrofuran	7.19	42	13809	5.844	ug/l	98
31) Cyclohexane	7.64	56	15684	1.857	ug/l #	20
39) Methylcyclohexane	9.07	83	7638	1.016	ug/l	98
40) Benzene	8.02	78	1098524	56.312	ug/l	99
52) Toluene	10.15	92	720877	61.654	ug/l	98
67) Ethyl Benzene	11.51	91	124605	5.962	ug/l	96
68) m/p-Xylenes	11.62	106	258194	32.981	ug/l	99
69) o-Xylene	11.95	106	113230	14.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	46042	3.080	ug/l	99
95) Naphthalene	15.13	128	29495	5.177	ug/l	98

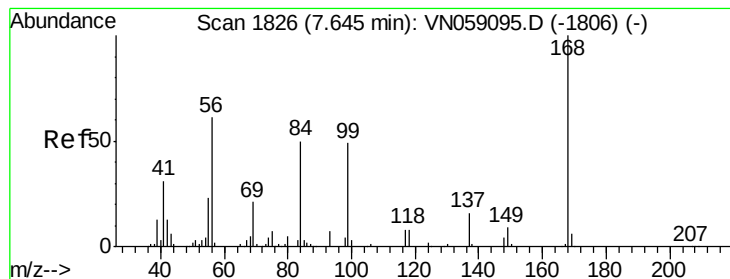
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

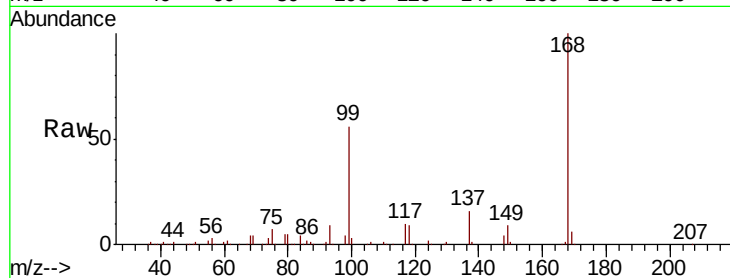
30726DL

Tot Ion:168 Resp: 441441

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

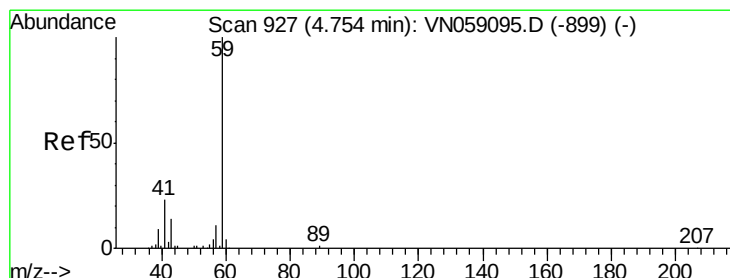
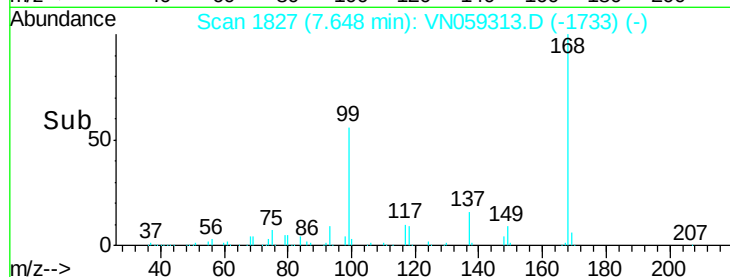
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 178.054 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.00 min

Lab File: VN059313.D

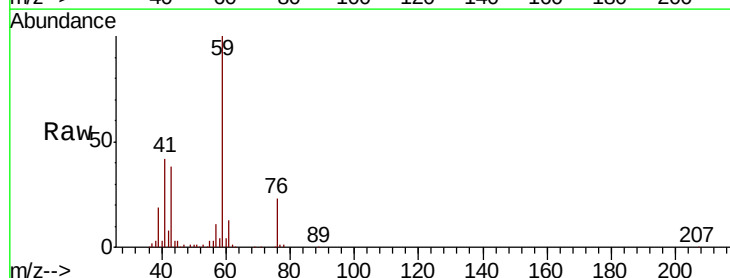
Acq: 19 Nov 2019 18:20

Tgt Ion: 59 Resp: 184137

Ion Ratio Lower Upper

59 100

57 7.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.75

80000

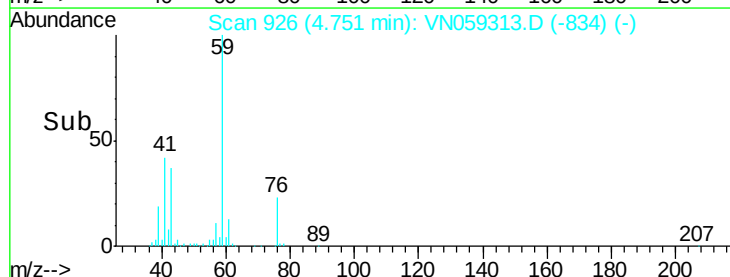
60000

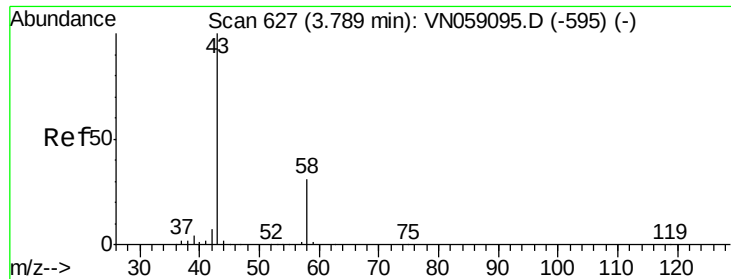
40000

20000

0

Time--> 4.65 4.70 4.75 4.80





#16

Acetone

Concen: 187.472 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

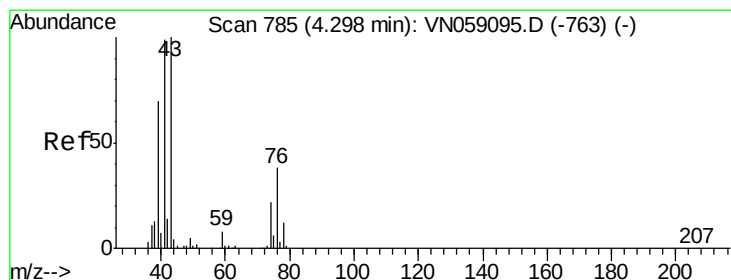
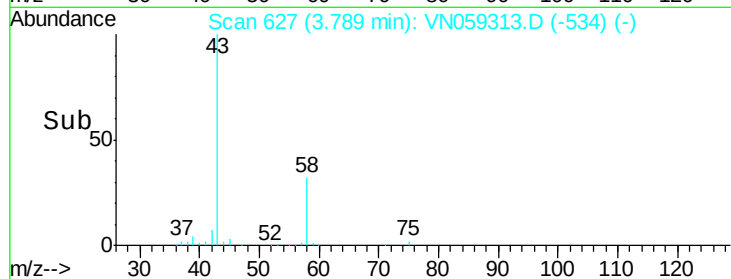
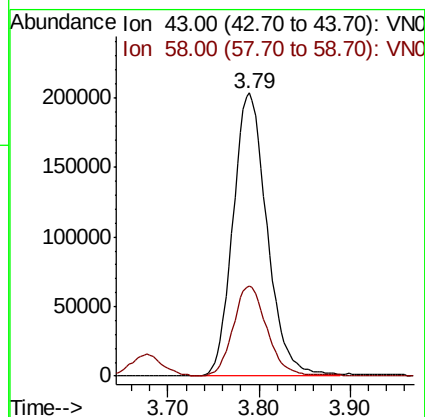
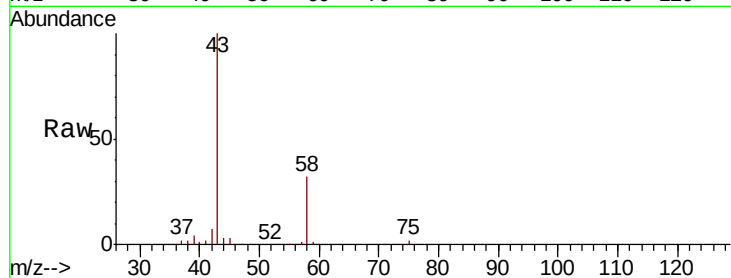
30726DL

Tot Ion: 43 Resp: 529020

Ion Ratio Lower Upper

43 100

58 31.6 24.9 37.3



#18

Methyl Acetate

Concen: 11.578 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059313.D

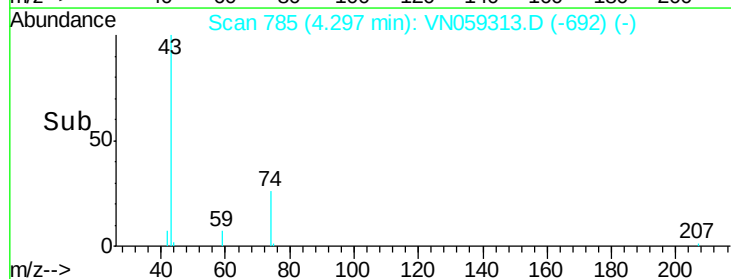
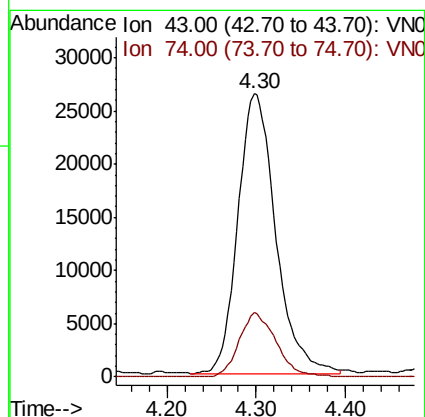
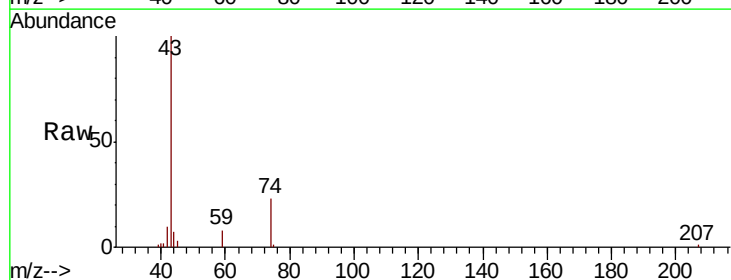
Acq: 19 Nov 2019 18:20

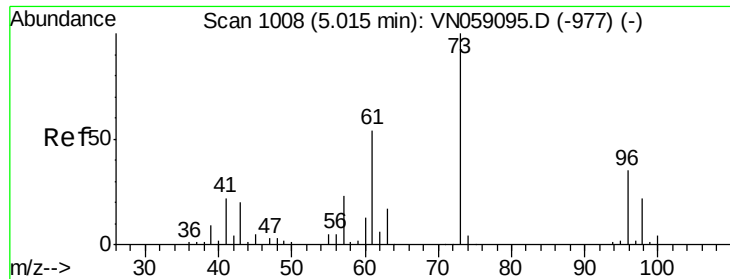
Tgt Ion: 43 Resp: 77552

Ion Ratio Lower Upper

43 100

74 22.4 17.8 26.8

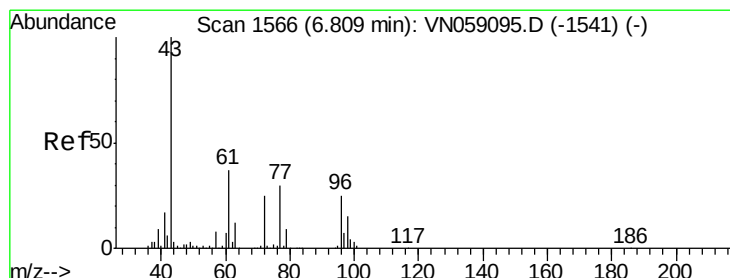
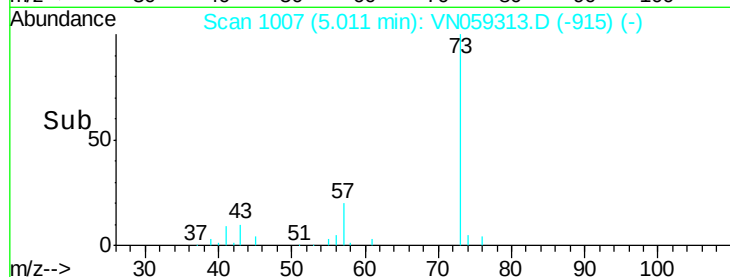
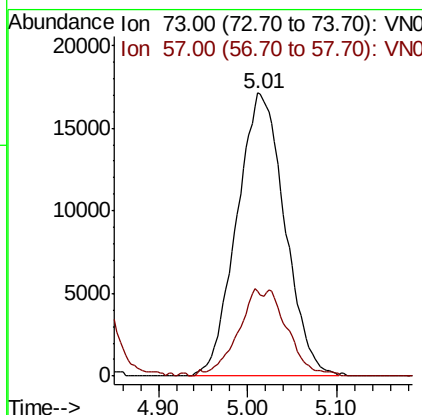
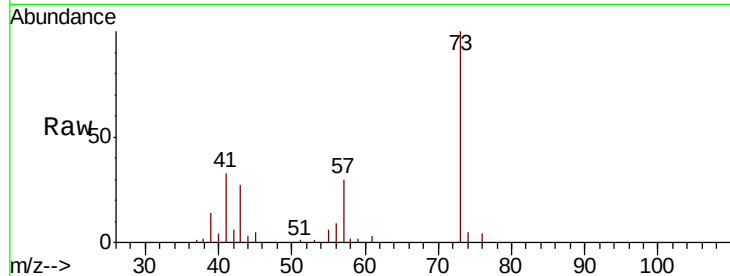




#19
Methyl tert-butyl Ether
Concen: 4.522 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

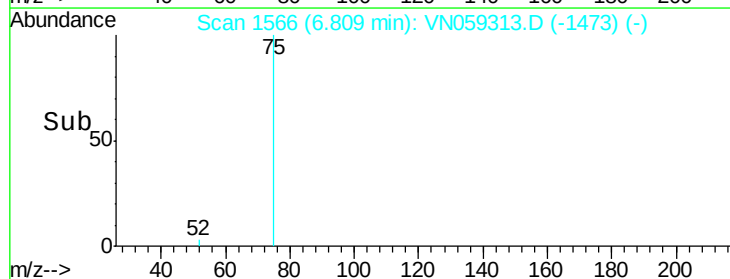
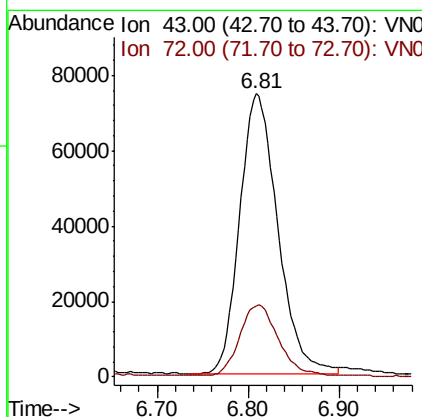
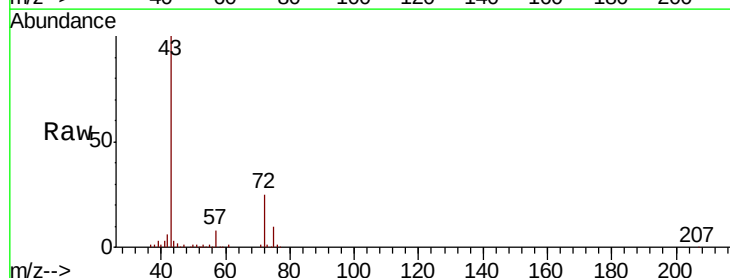
Instrument :
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30726DL

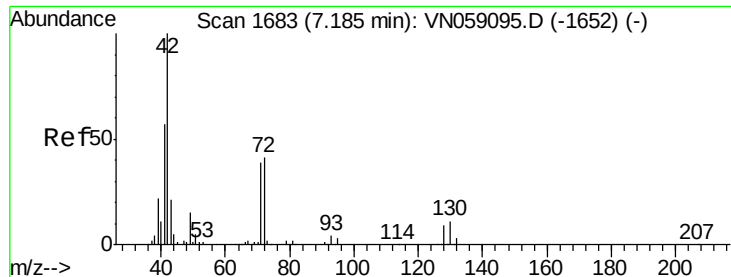
Tot Ion: 73 Resp: 64111
Ion Ratio Lower Upper
73 100
57 29.9 18.4 27.6#



#25
2-Butanone
Concen: 58.467 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 43 Resp: 217440
Ion Ratio Lower Upper
43 100
72 24.8 20.3 30.5

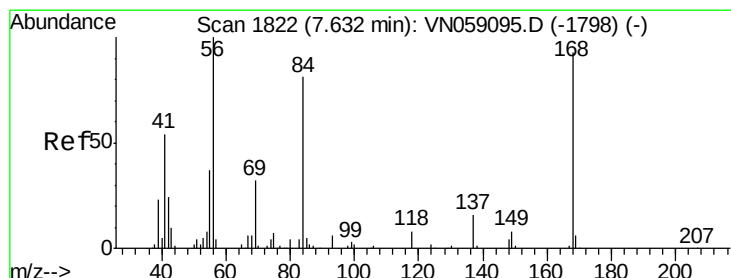
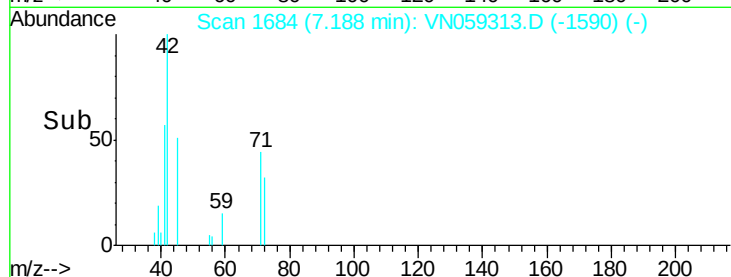
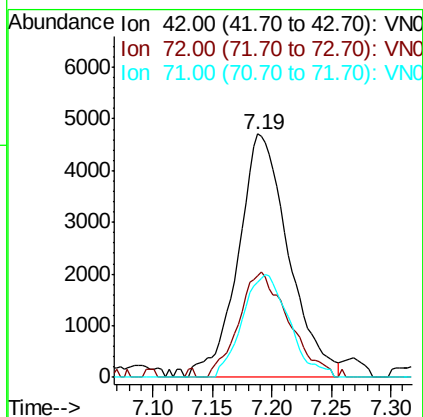
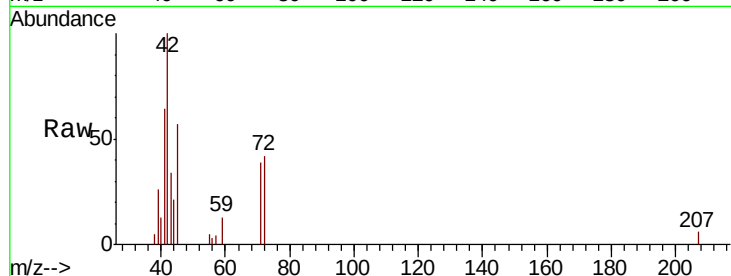




#29
Tetrahydrofuran
Concen: 5.844 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

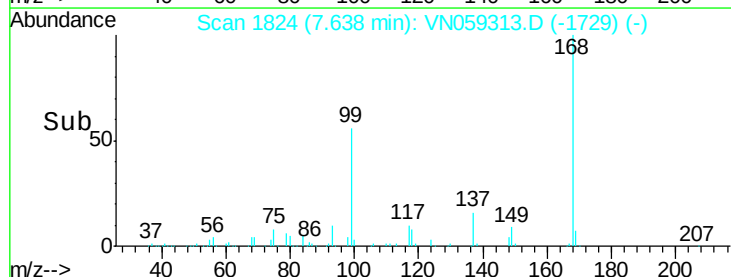
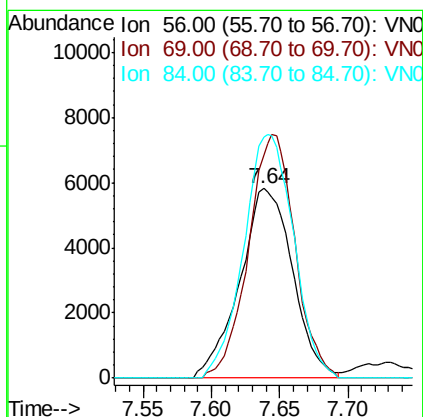
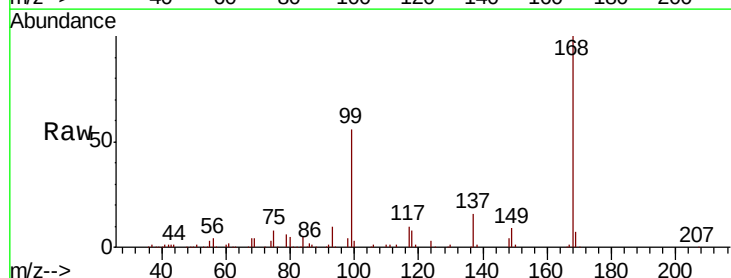
Instrument :
MSVOA_N
ClientSampled :
30726DL

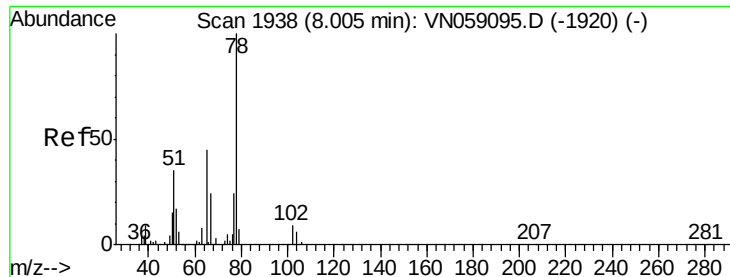
Tot Ion: 42 Resp: 13809
Ion Ratio Lower Upper
42 100
72 42.9 33.1 49.7
71 39.2 30.9 46.3



#31
Cyclohexane
Concen: 1.857 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 56 Resp: 15684
Ion Ratio Lower Upper
56 100
69 117.5 25.8 38.8#
84 127.3 65.0 97.4#

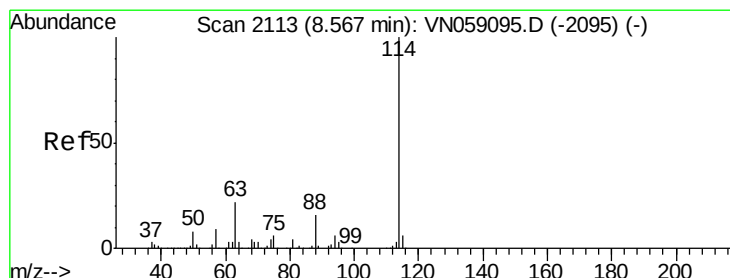
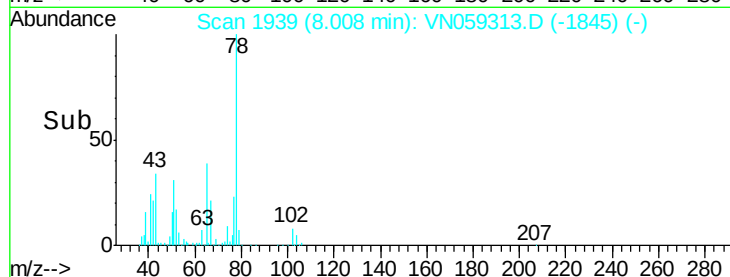
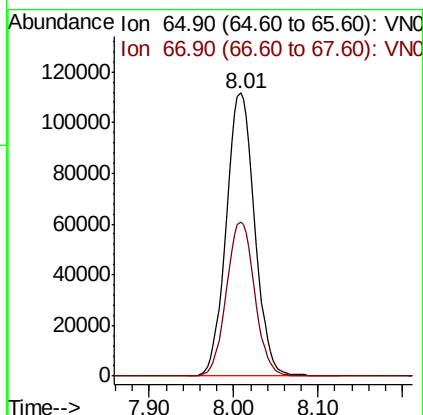
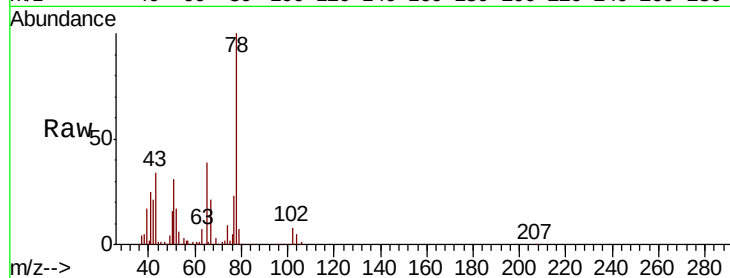




#33
 1,2-Dichloroethane-d4
 Concen: 48.189 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

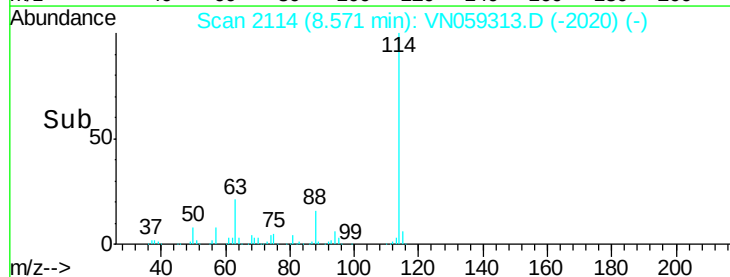
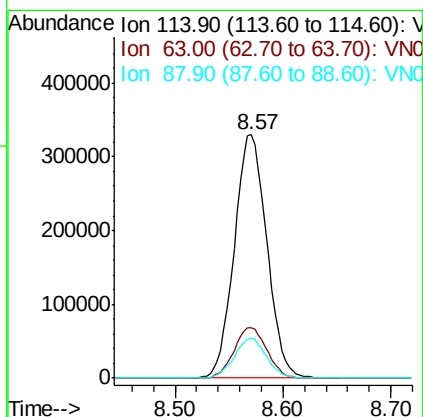
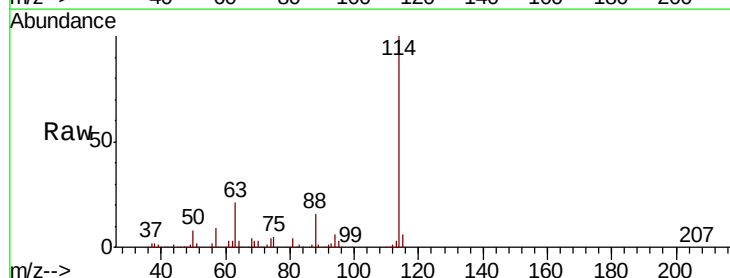
Instrument :
 MSVOA_N
 ClientSampleID :
 30726DL

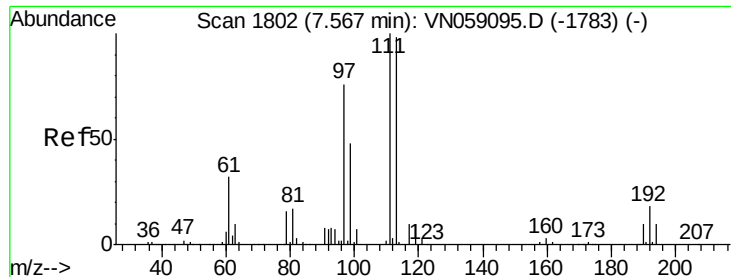
Tot Ion: 65 Resp: 261496
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

Tgt Ion: 114 Resp: 693059
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.4
 88 16.4 0.0 32.2

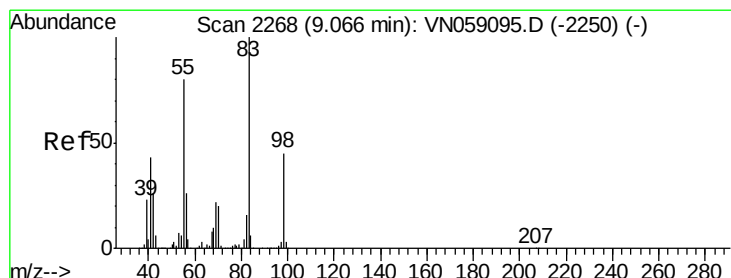
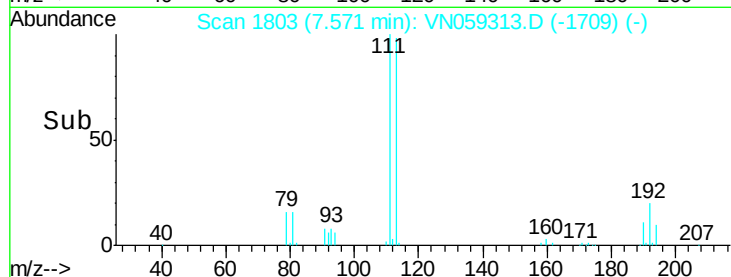
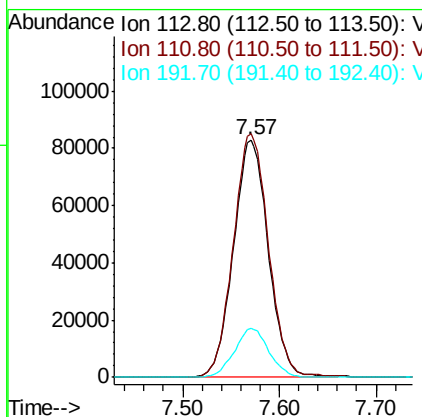
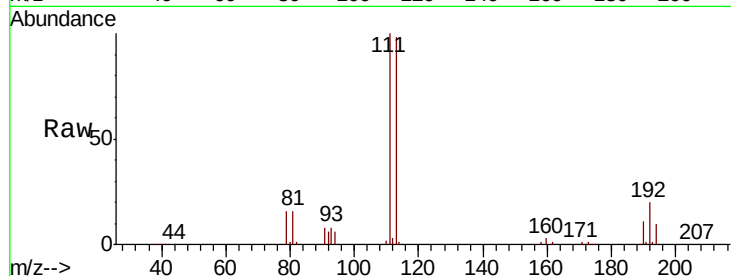




#35
 Dibromofluoromethane
 Concen: 50.204 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

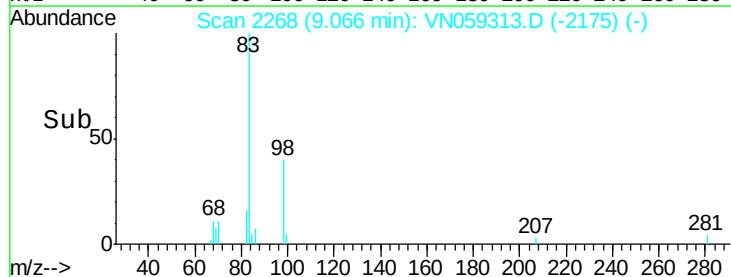
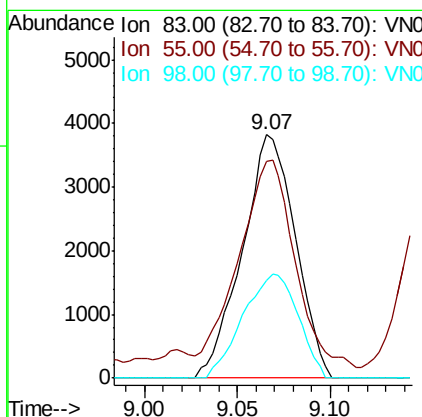
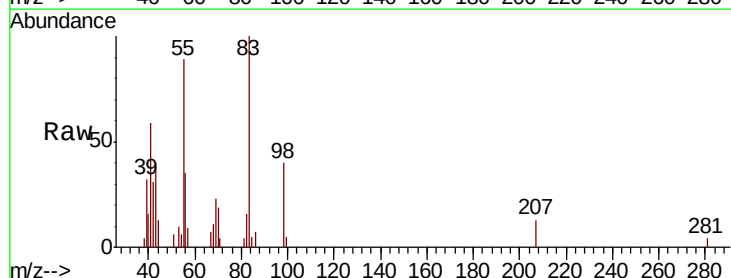
Instrument :
 MSVOA_N
 ClientSampled :
 30726DL

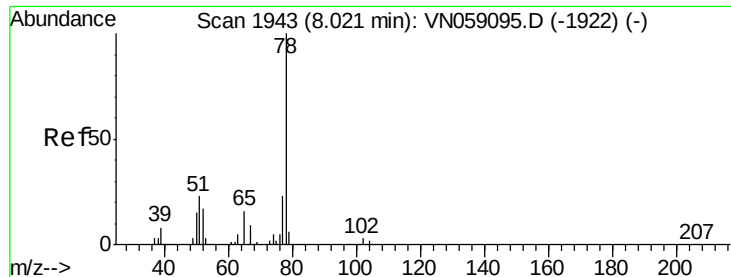
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.8	124.2
192	20.4	16.1	24.1



#39
 Methylcyclohexane
 Concen: 1.016 ug/l
 RT: 9.07 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.0	63.9	95.9
98	40.2	35.6	53.4





#40

Benzene

Concen: 56.312 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

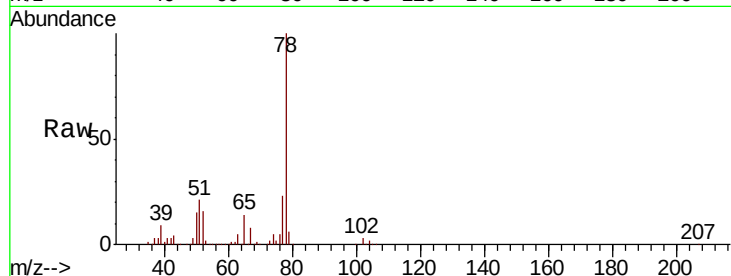
30726DL

Tot Ion: 78 Resp: 1098524

Ion Ratio Lower Upper

78 100

77 23.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.02

500000

400000

300000

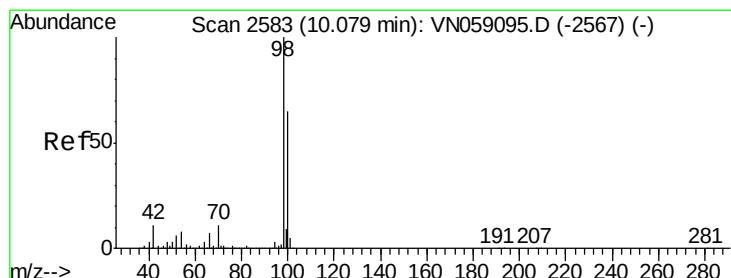
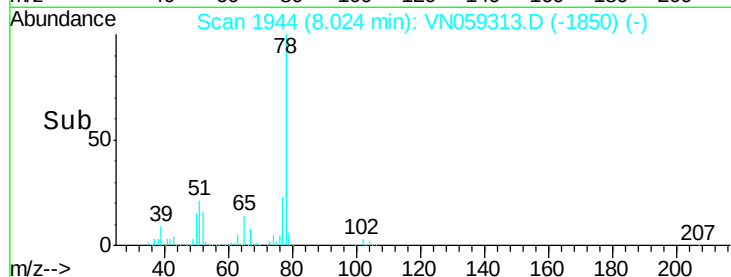
200000

100000

0

Time-->

7.90 8.00 8.10



#50

Toluene-d8

Concen: 51.504 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059313.D

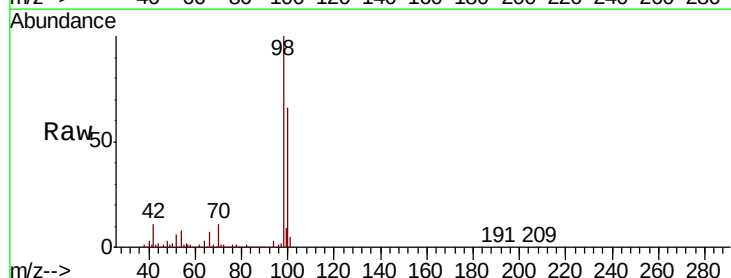
Acq: 19 Nov 2019 18:20

Tgt Ion: 98 Resp: 839528

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.08

500000

400000

300000

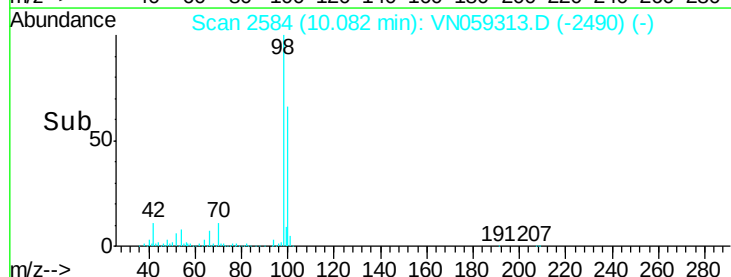
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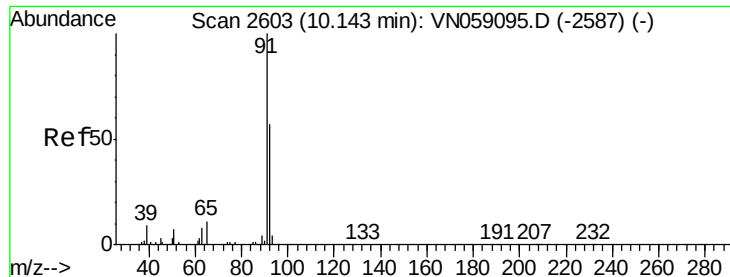
100000

0

Time-->

10.00 10.10 10.20





#52

Toluene

Concen: 61.654 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

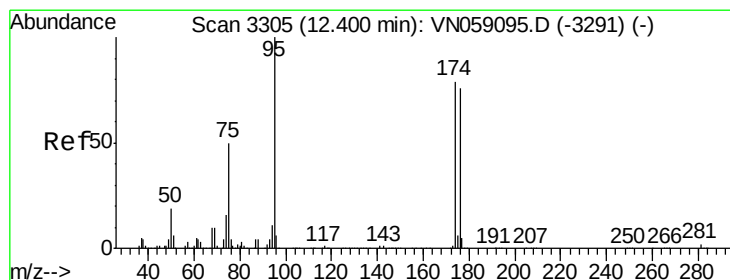
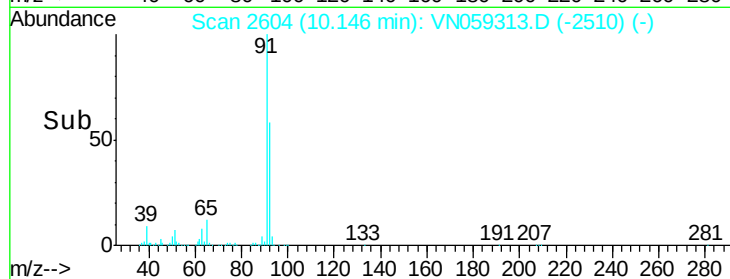
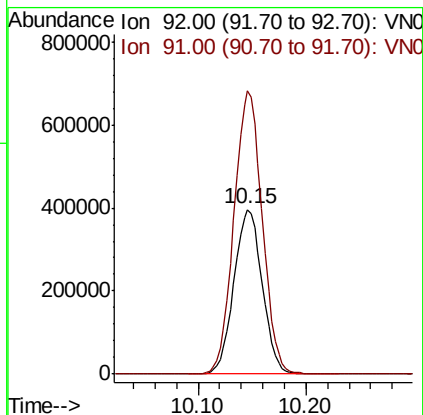
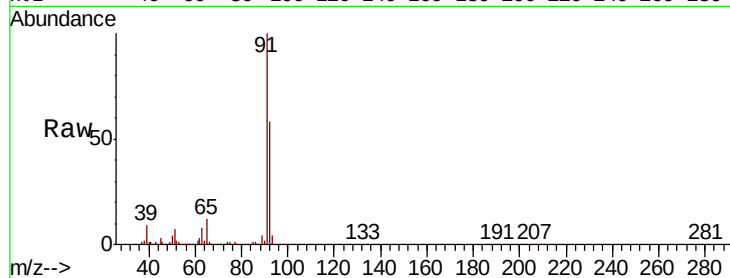
30726DL

Tot Ion: 92 Resp: 720877

Ion Ratio Lower Upper

92 100

91 172.1 139.5 209.3



#62

4-Bromofluorobenzene

Concen: 48.219 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

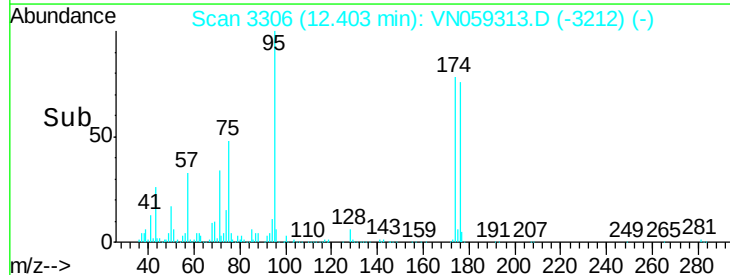
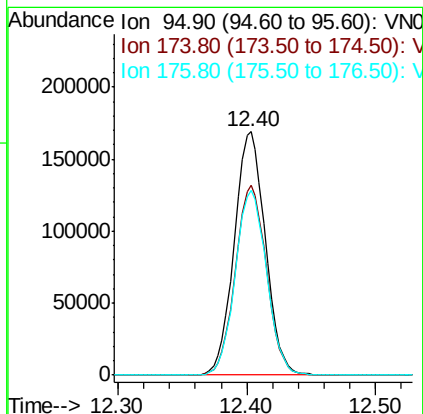
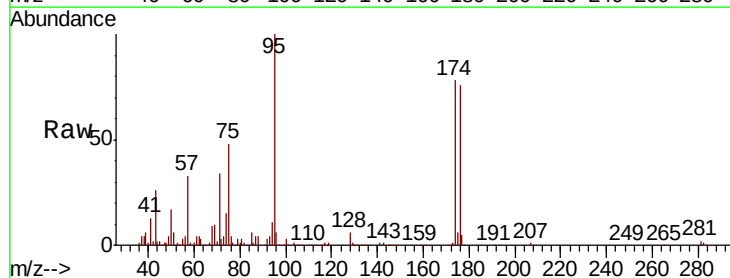
Tgt Ion: 95 Resp: 283391

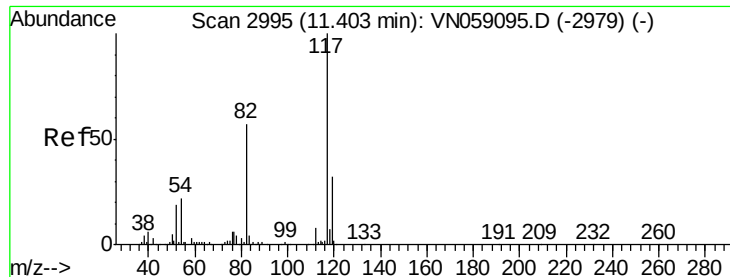
Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.2

176 76.5 0.0 151.8

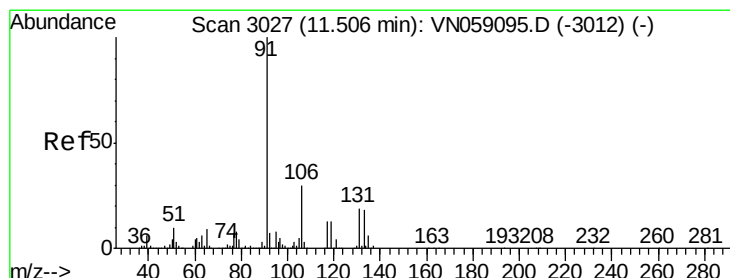
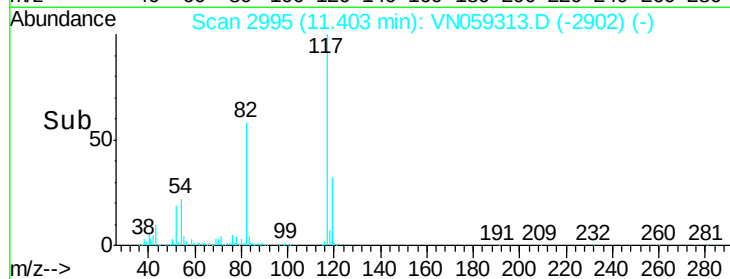
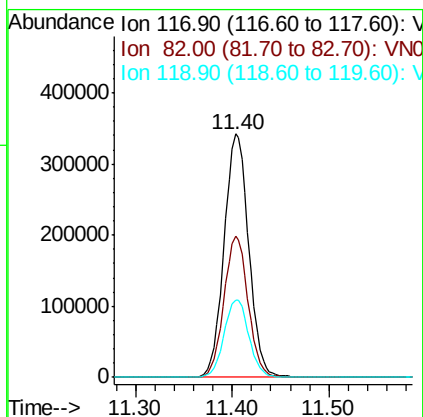
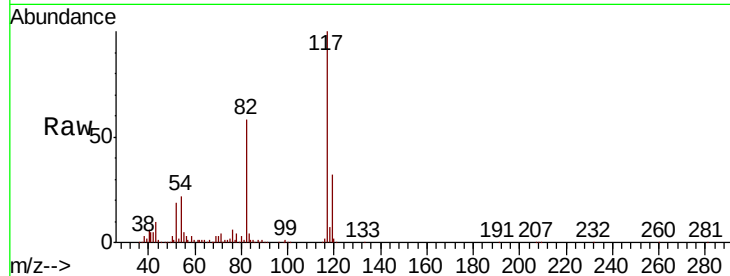




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

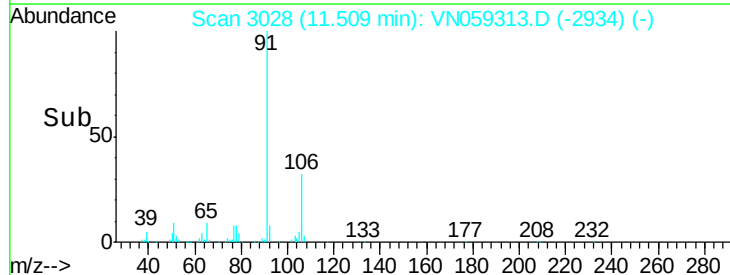
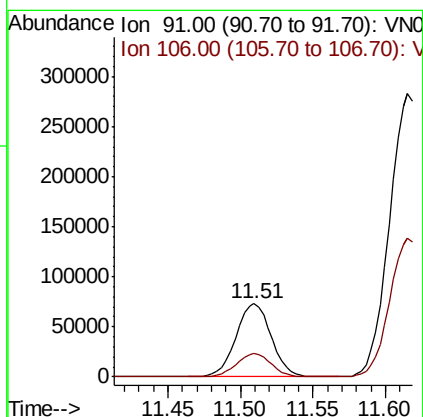
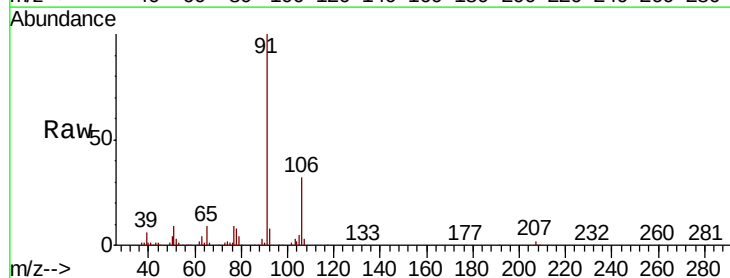
Instrument :
MSVOA_N
ClientSampled :
30726DL

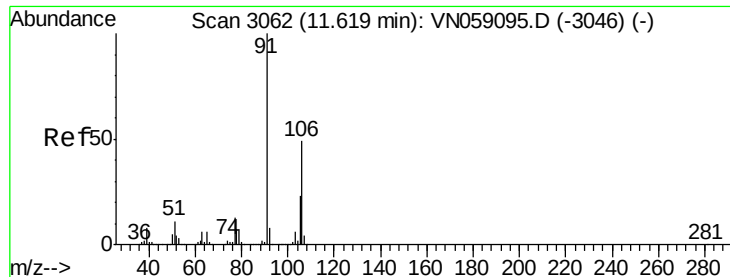
Tot Ion:117 Resp: 604253
Ion Ratio Lower Upper
117 100
82 58.1 45.8 68.8
119 31.9 25.8 38.6



#67
Ethyl Benzene
Concen: 5.962 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 91 Resp: 124605
Ion Ratio Lower Upper
91 100
106 32.0 24.1 36.1

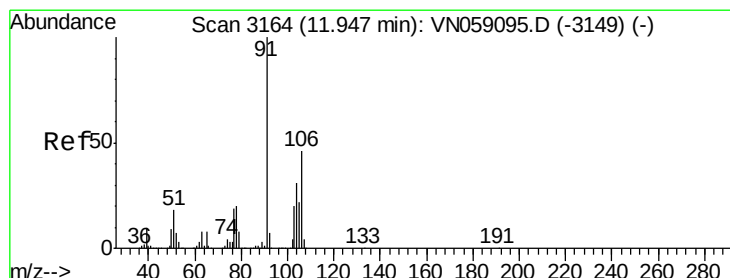
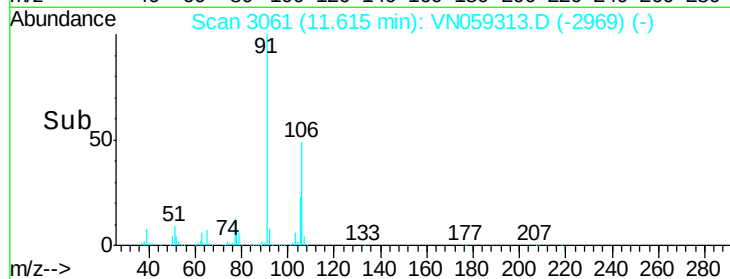
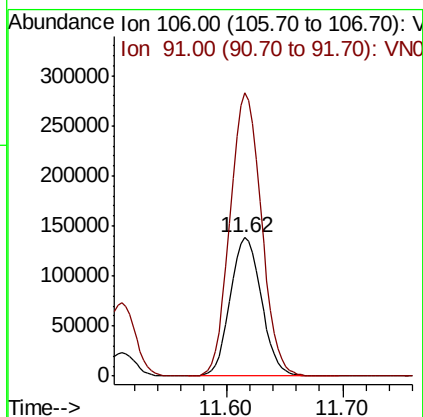
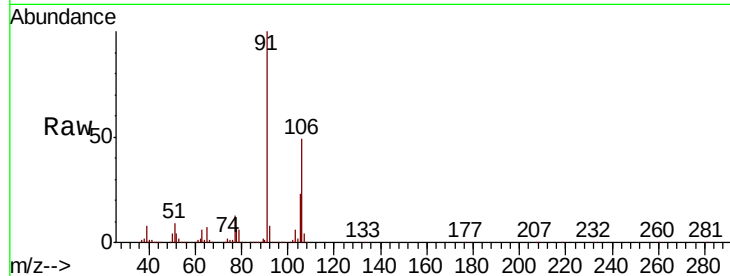




#68
m/p-Xylenes
Concen: 32.981 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

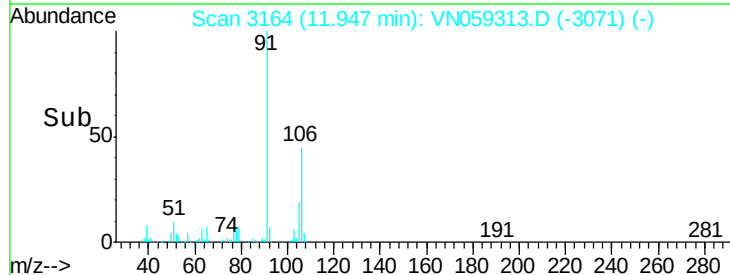
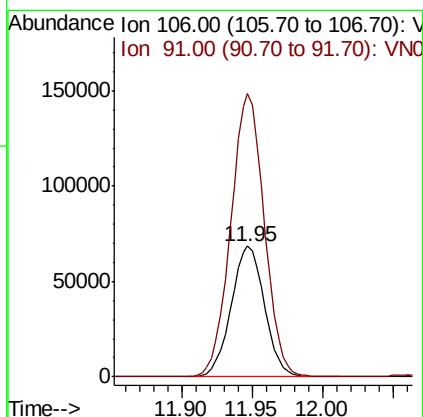
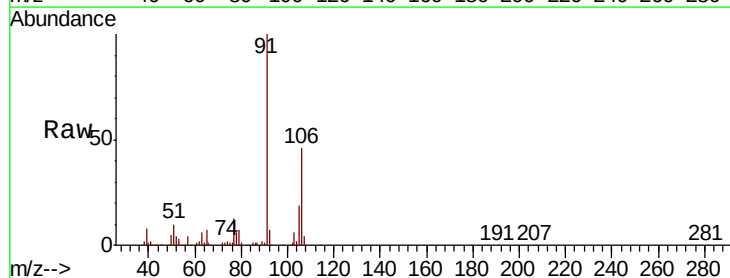
Instrument :
MSVOA_N
ClientSampleID :
30726DL

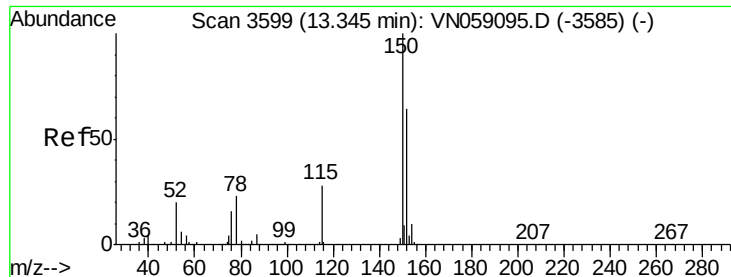
Tot Ion:106 Resp: 258194
Ion Ratio Lower Upper
106 100
91 205.1 164.7 247.1



#69
o-Xylene
Concen: 14.967 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion:106 Resp: 113230
Ion Ratio Lower Upper
106 100
91 218.1 110.1 330.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

30726DL

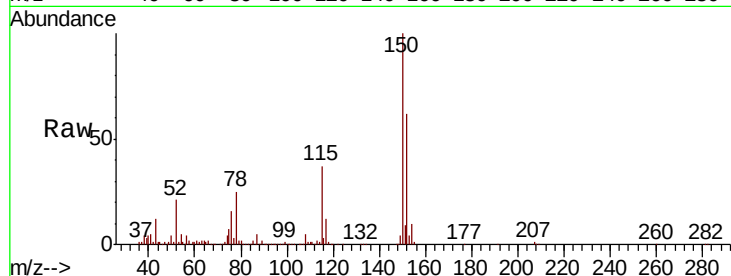
Tot Ion:152 Resp: 250715

Ion Ratio Lower Upper

152 100

115 59.3 29.4 88.2

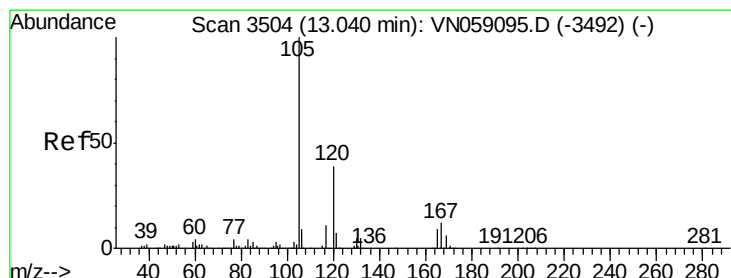
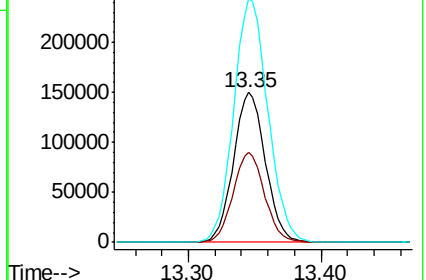
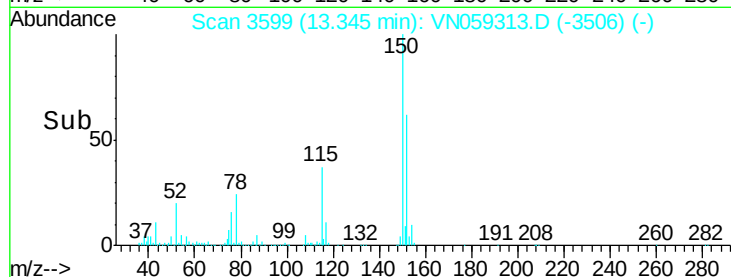
150 173.8 0.0 345.8



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



#84

1,2,4-Trimethylbenzene

Concen: 3.080 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059313.D

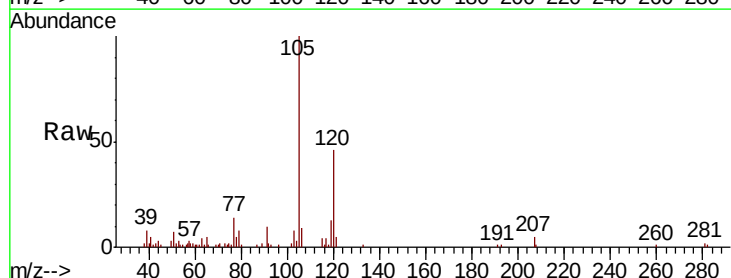
Acq: 19 Nov 2019 18:20

Tgt Ion:105 Resp: 46042

Ion Ratio Lower Upper

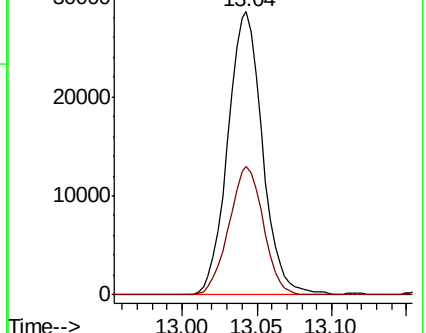
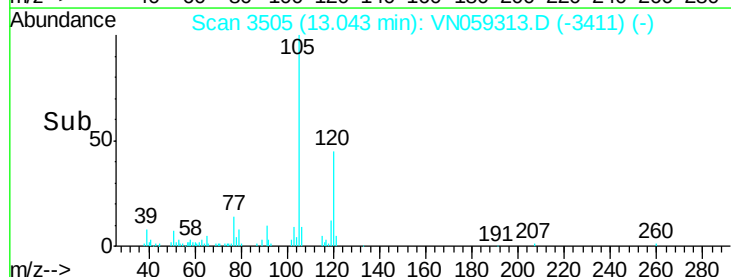
105 100

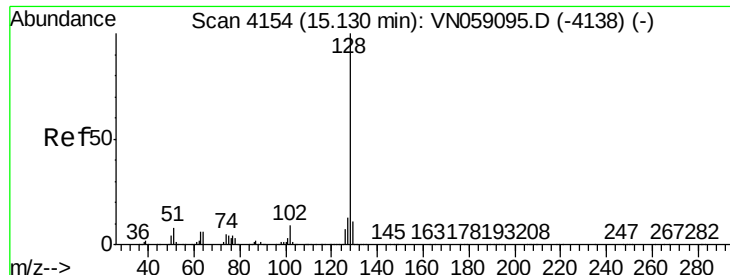
120 44.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 5.177 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

30726DL

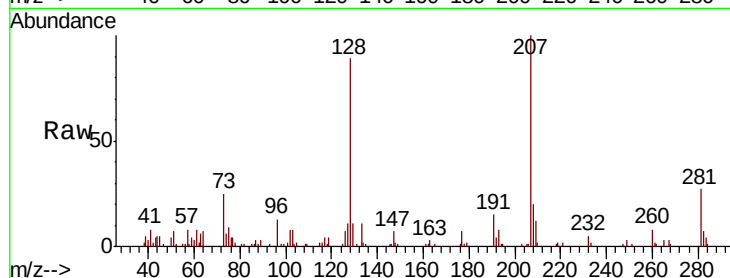
Tot Ion:128 Resp: 29495

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.9 8.6 12.8



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

