

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060227.D
 Acq On : 25 Feb 2020 12:34
 Operator : JC/MD
 Sample : L1668-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30875

Quant Time: Feb 25 16:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	174923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	270057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	253891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121784	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	101148	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	7.57	113	82581	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.08	98	328601	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	120344	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	

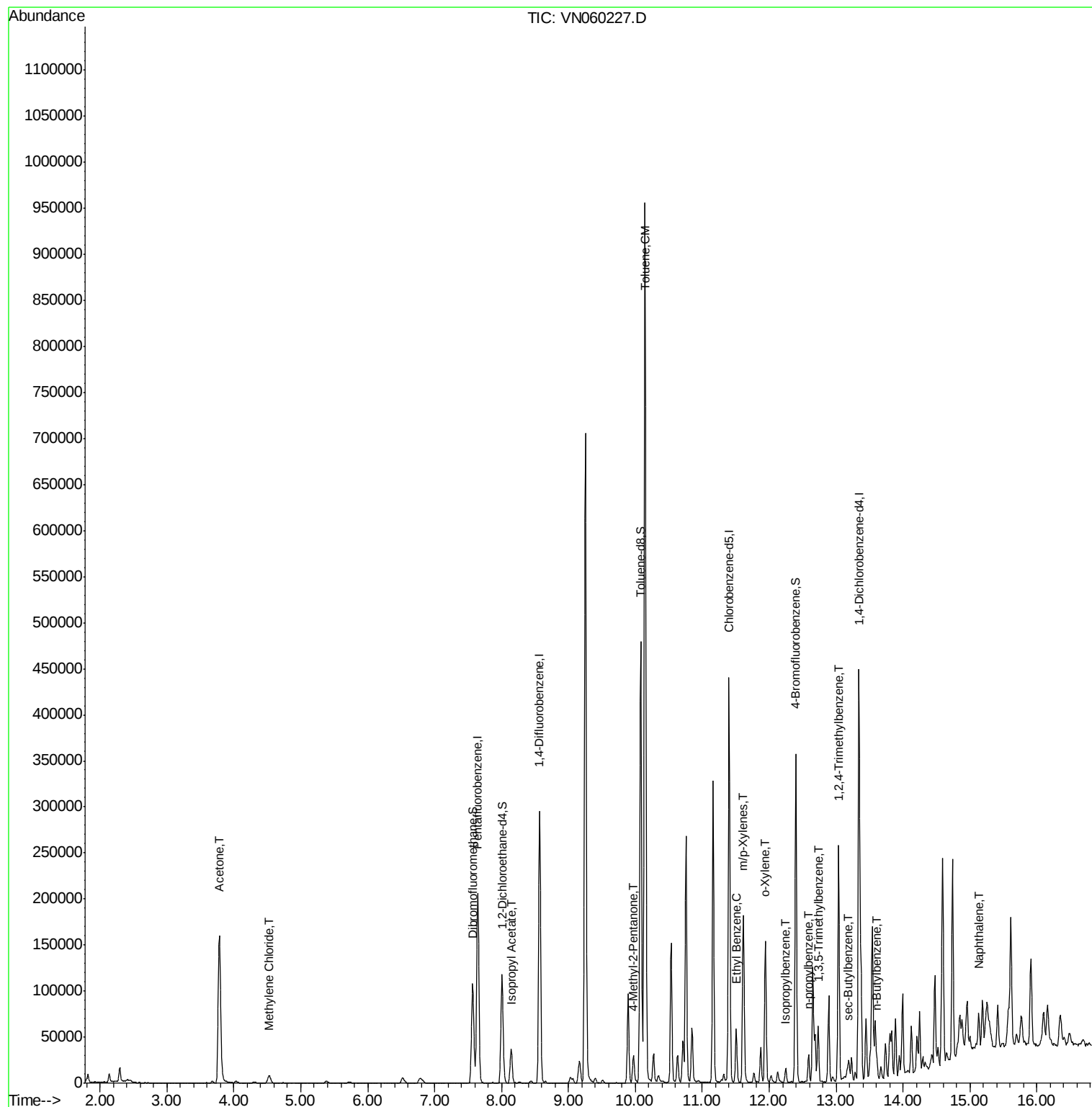
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	267743	288.377	ug/l	98
20) Methylene Chloride	4.53	84	6675	3.604	ug/l	94
43) Isopropyl Acetate	8.14	43	44090	11.409	ug/l #	89
51) 4-Methyl-2-Pentanone	9.97	43	20764	9.283	ug/l	95
52) Toluene	10.14	92	421479	88.580	ug/l	98
67) Ethyl Benzene	11.51	91	42457	4.551	ug/l	99
68) m/p-Xylenes	11.61	106	57834	16.517	ug/l	98
69) o-Xylene	11.94	106	38754	11.495	ug/l	99
73) Isopropylbenzene	12.25	105	10624	1.168	ug/l	99
78) n-propylbenzene	12.59	91	25177	2.430	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	32086	4.243	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	143475	19.222	ug/l	100
85) sec-Butylbenzene	13.17	105	9870	1.114	ug/l	92
89) n-Butylbenzene	13.61	91	8545	1.210	ug/l #	77
95) Naphthalene	15.13	128	31781	5.122	ug/l	99

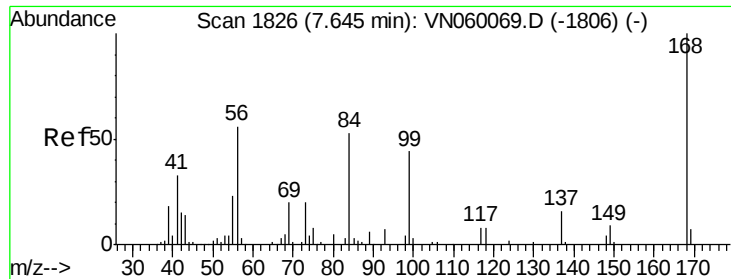
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022520\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
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: VN060227.D

Acq: 25 Feb 2020 12:34

Instrument :

MSVOA_N

ClientSampled :

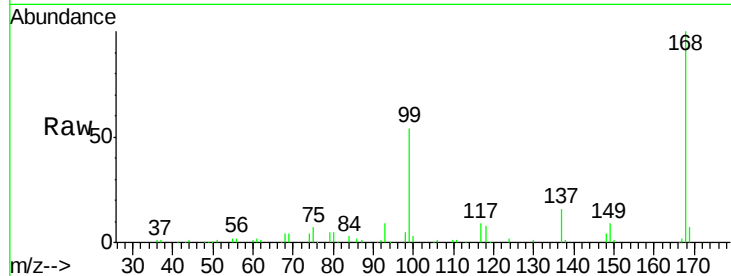
30875

Tot Ion:168 Resp: 174923

Ion Ratio Lower Upper

168 100

99 54.4 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

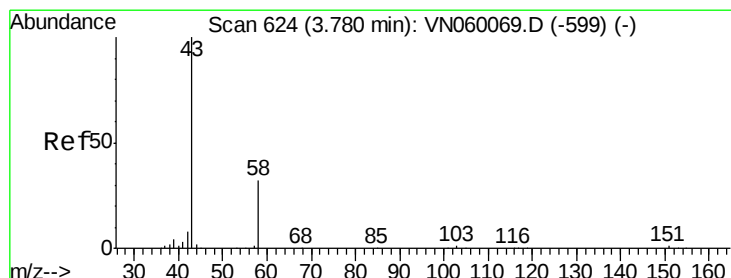
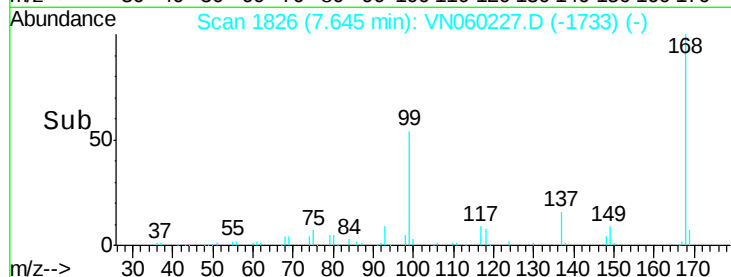
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 288.377 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060227.D

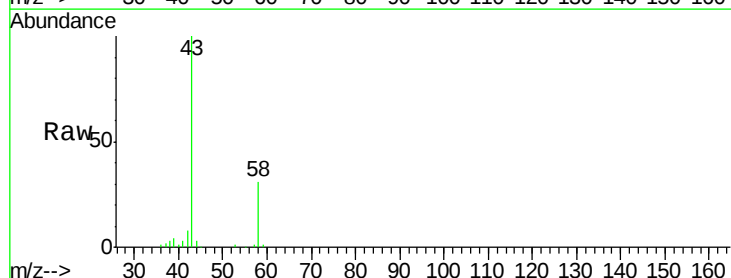
Acq: 25 Feb 2020 12:34

Tgt Ion: 43 Resp: 267743

Ion Ratio Lower Upper

43 100

58 30.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

120000

100000

80000

60000

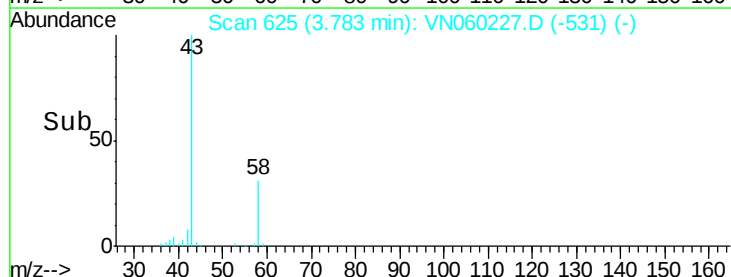
40000

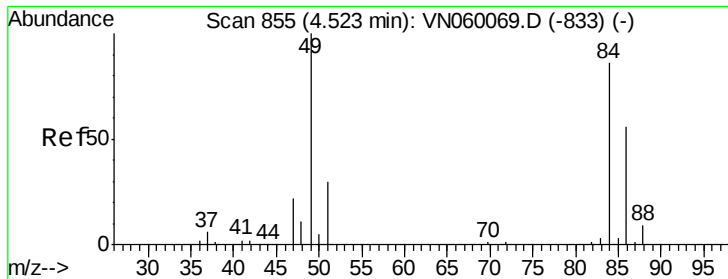
20000

0

3.70 3.80 3.90

Time-->

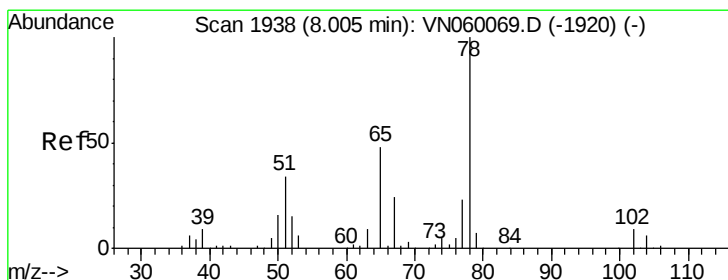
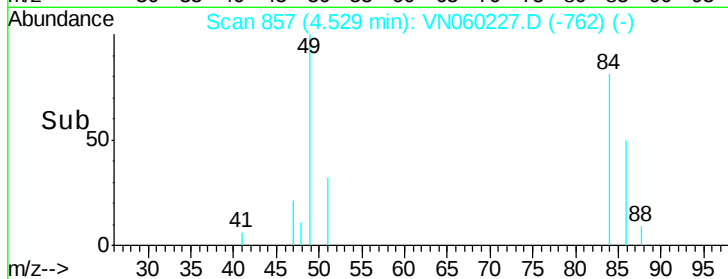
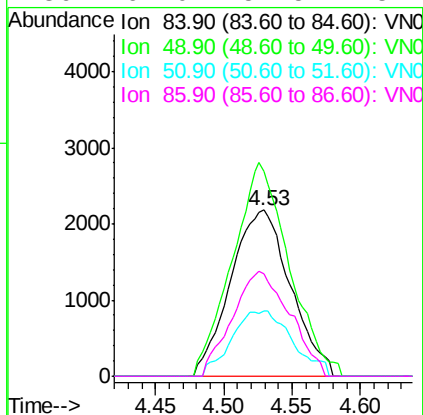
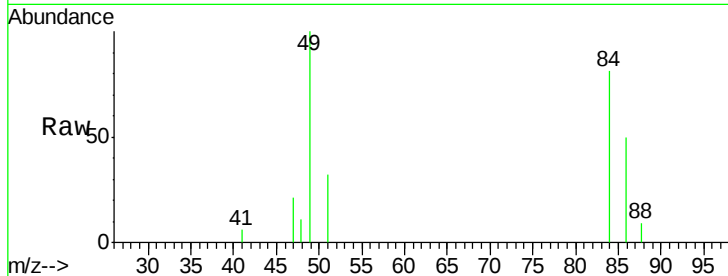




#20
Methylene Chloride
Concen: 3.604 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

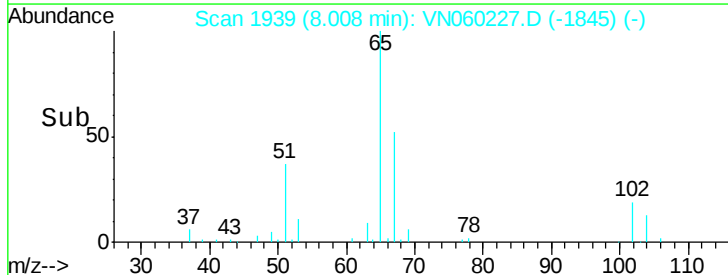
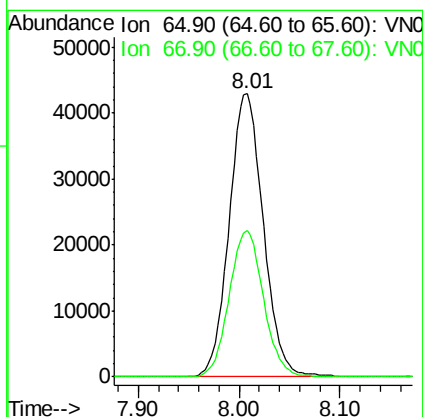
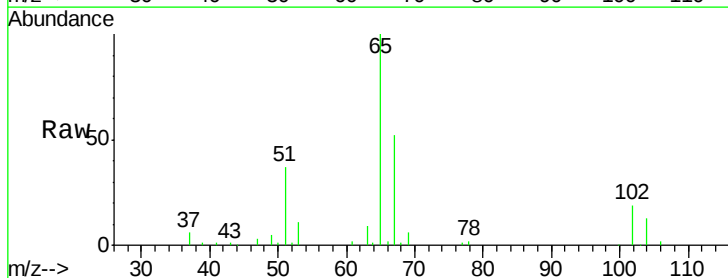
Instrument :
MSVOA_N
ClientSampled :
30875

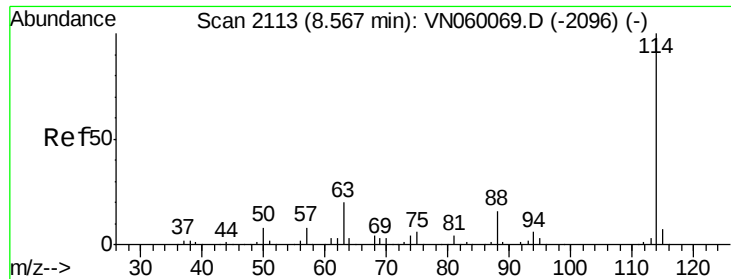
Tot Ion: 84 Resp: 6675
Ion Ratio Lower Upper
84 100
49 123.8 93.4 140.0
51 39.1 28.4 42.6
86 62.0 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 47.520 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

Tgt Ion: 65 Resp: 101148
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0

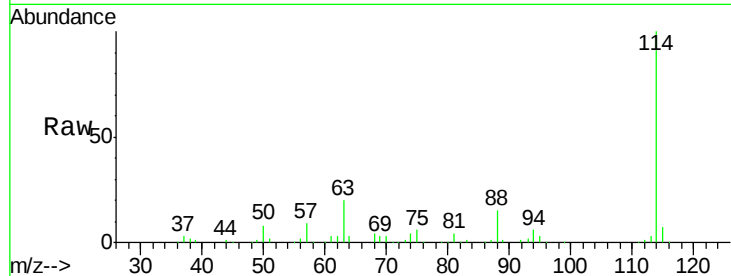




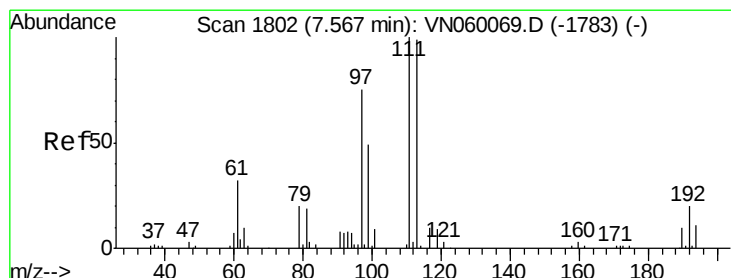
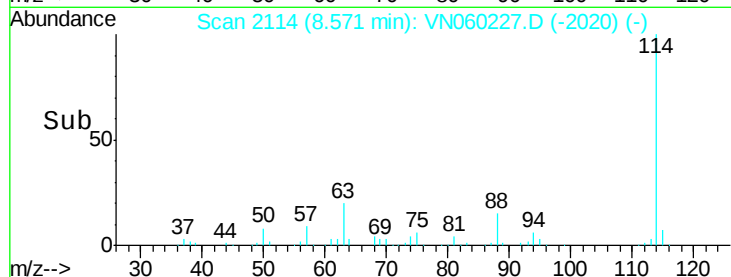
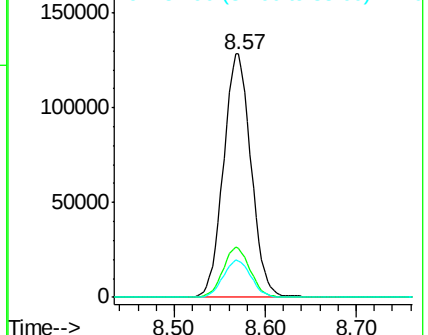
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
30875

Tot Ion:114 Resp: 270057
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 15.1 0.0 31.6

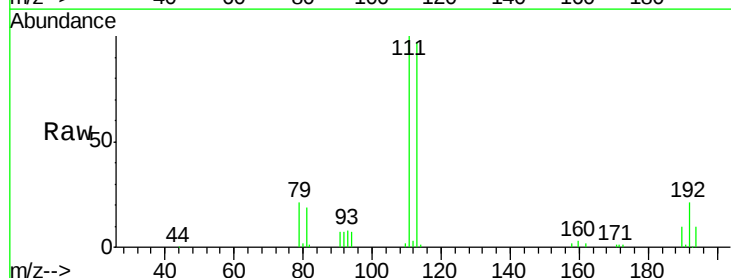


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

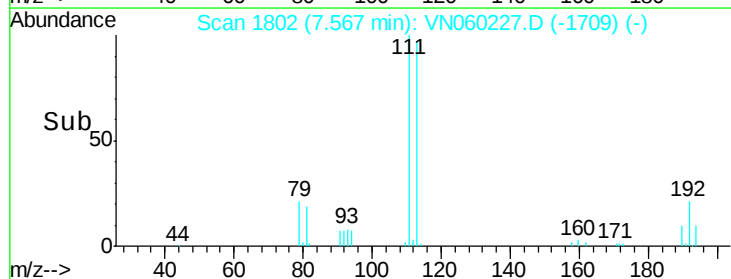
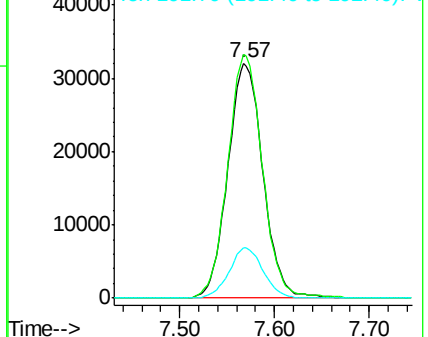


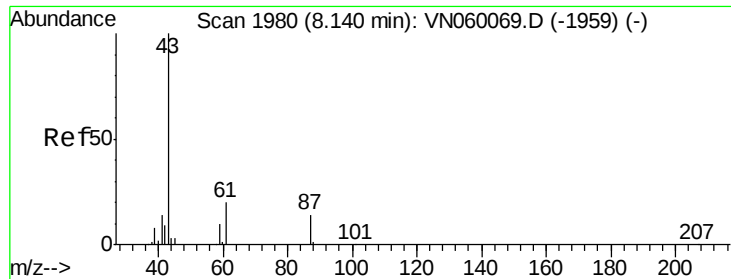
#35
Dibromofluoromethane
Concen: 49.746 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

Tgt Ion:113 Resp: 82581
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.2
192 20.7 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 11.409 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060227.D

Acq: 25 Feb 2020 12:34

Instrument :

MSVOA_N

ClientSampled :

30875

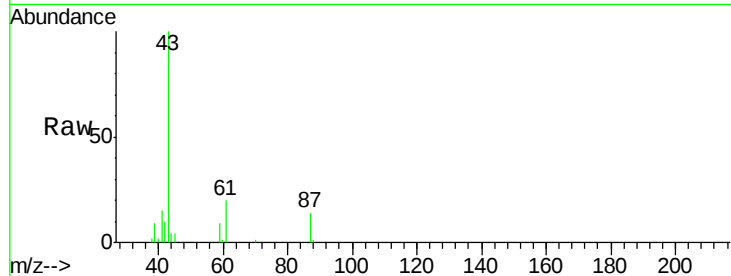
Tot Ion: 43 Resp: 44090

Ion Ratio Lower Upper

43 100

61 19.4 21.8 32.6#

87 12.7 11.4 17.2

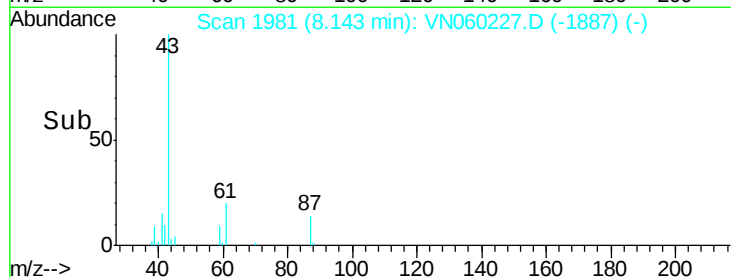


Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)

Time-->



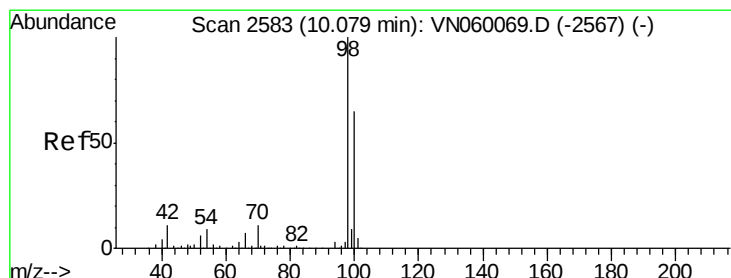
Abundance

Ion 43.00 (42.70 to 43.70): VN060227.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060227.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060227.D (-1887) (-)

Time-->



#50

Toluene-d8

Concen: 50.267 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060227.D

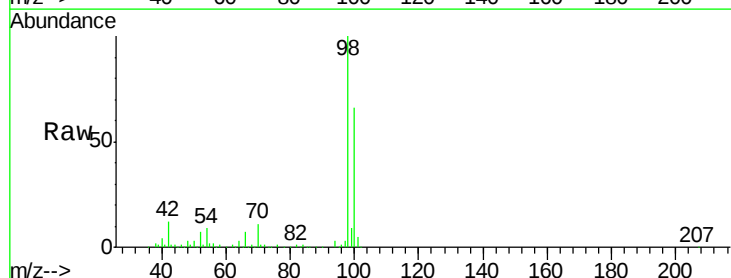
Acq: 25 Feb 2020 12:34

Tgt Ion: 98 Resp: 328601

Ion Ratio Lower Upper

98 100

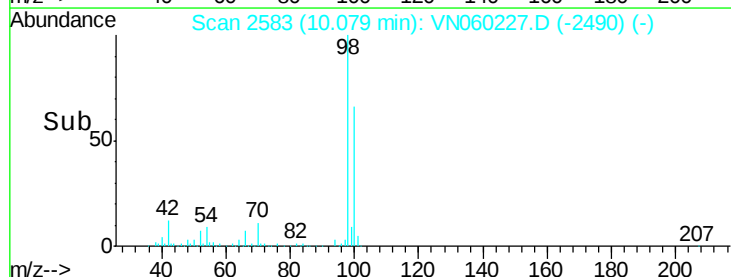
100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060069.D (-2567) (-)

Time-->

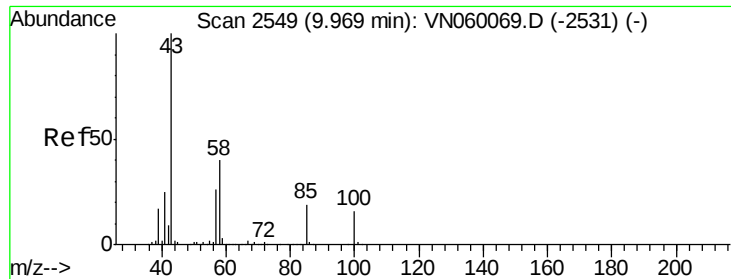


Abundance

Ion 98.00 (97.70 to 98.70): VN060227.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060227.D (-2490) (-)

Time-->



#51

4-Methyl-2-Pentanone

Concen: 9.283 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060227.D

Acq: 25 Feb 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

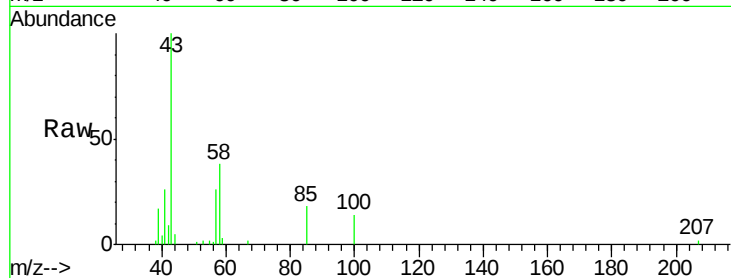
30875

Tot Ion: 43 Resp: 20764

Ion Ratio Lower Upper

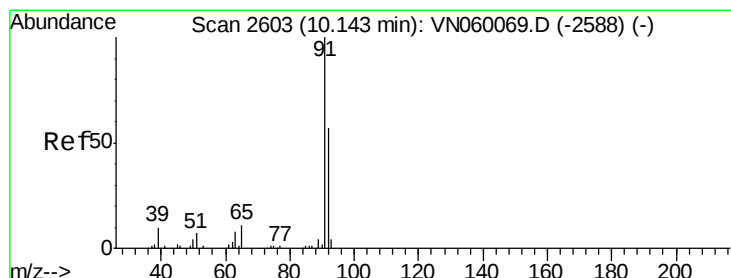
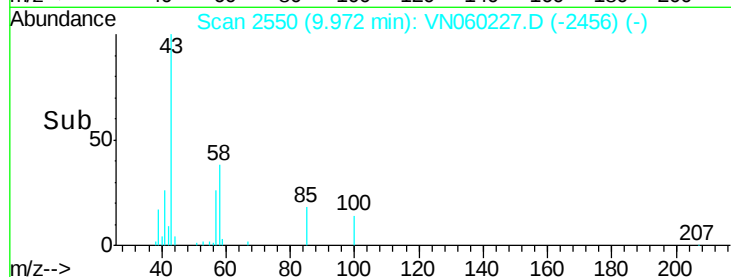
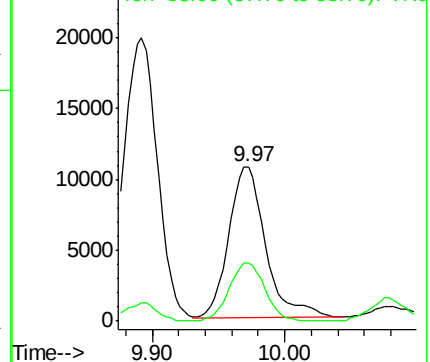
43 100

58 36.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 88.580 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060227.D

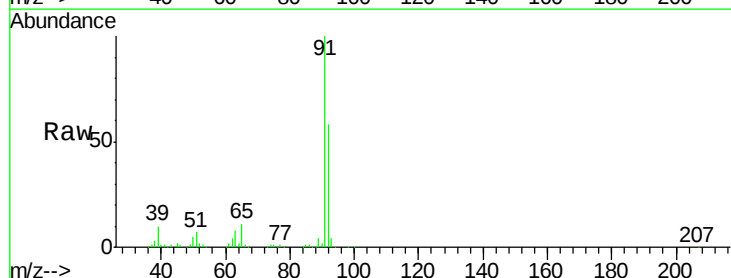
Acq: 25 Feb 2020 12:34

Tgt Ion: 92 Resp: 421479

Ion Ratio Lower Upper

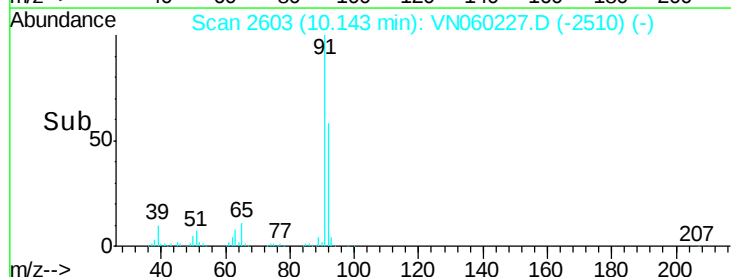
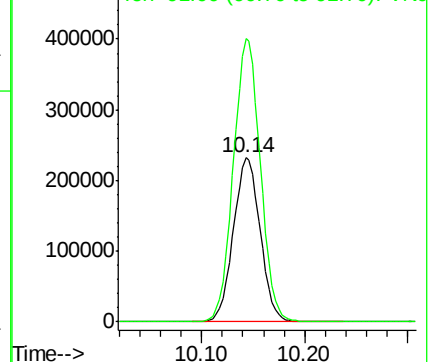
92 100

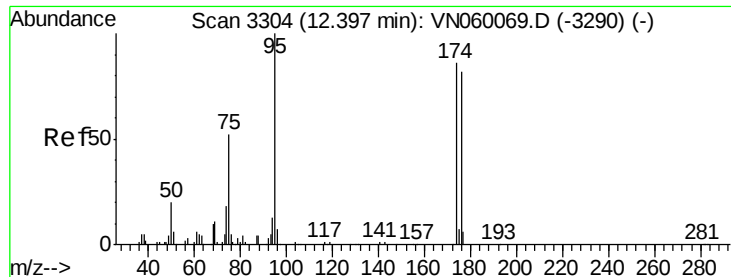
91 173.4 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

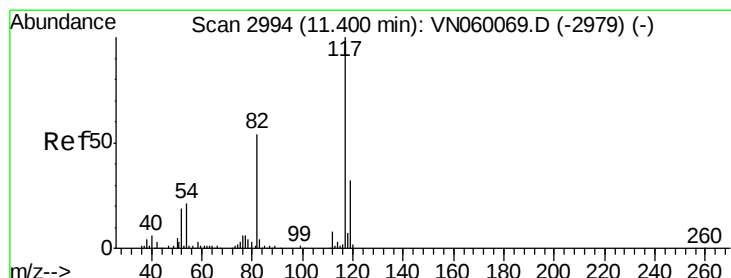
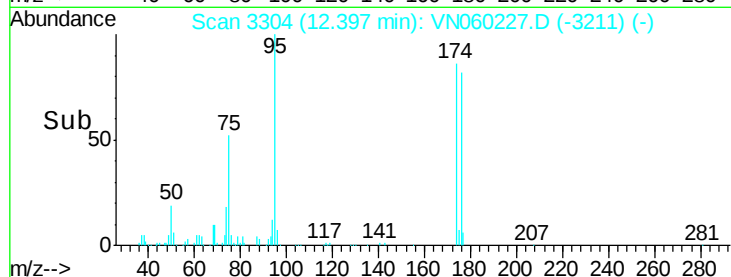
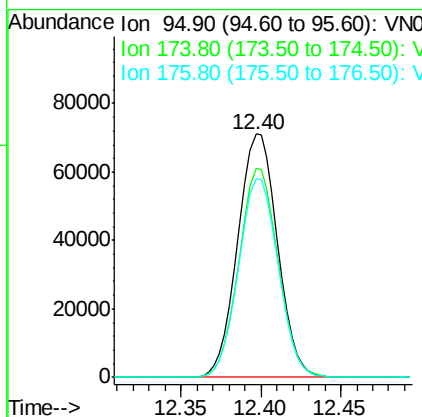
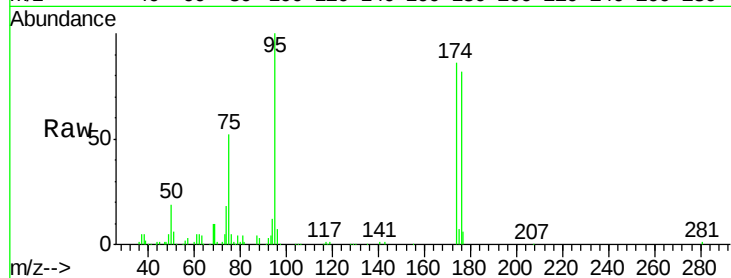




#62
4-Bromofluorobenzene
Concen: 50.099 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

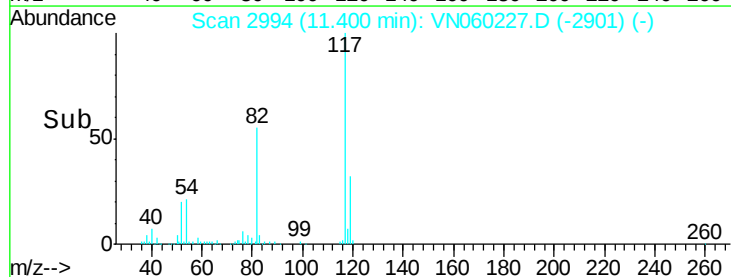
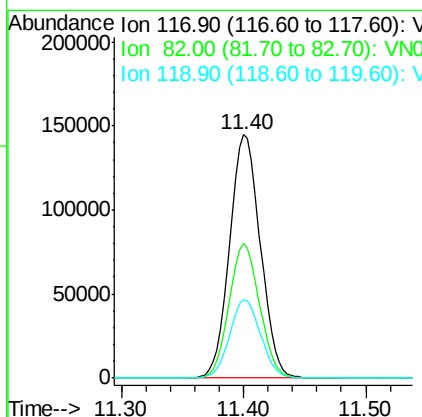
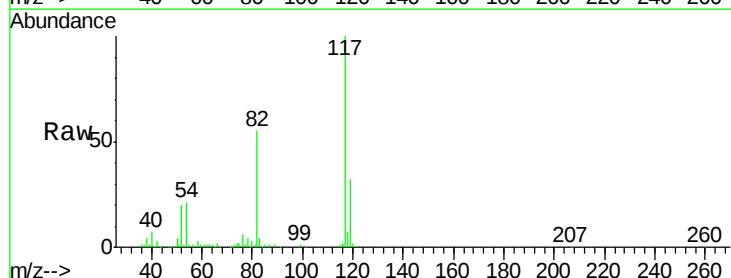
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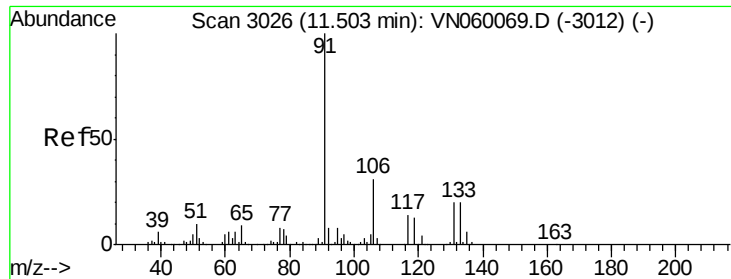
Tot Ion: 95 Resp: 120344
Ion Ratio Lower Upper
95 100
174 84.9 0.0 169.8
176 81.7 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

Tgt Ion: 117 Resp: 253891
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 32.5 25.8 38.6

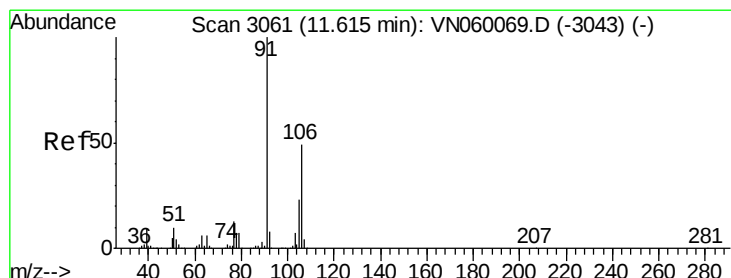
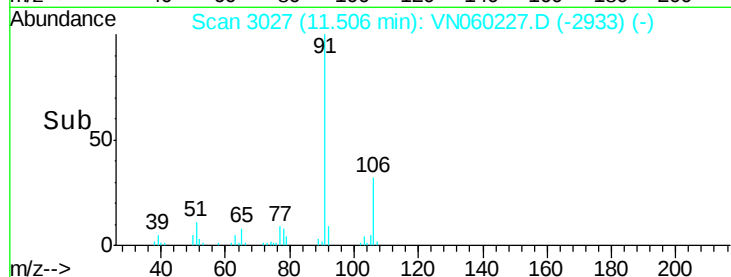
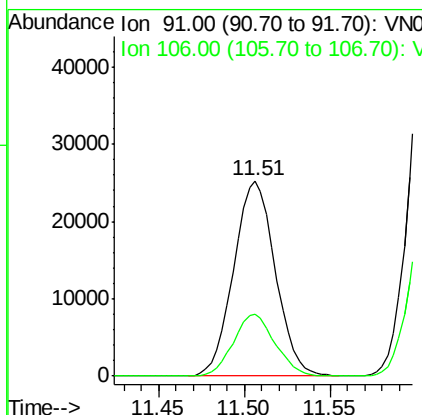
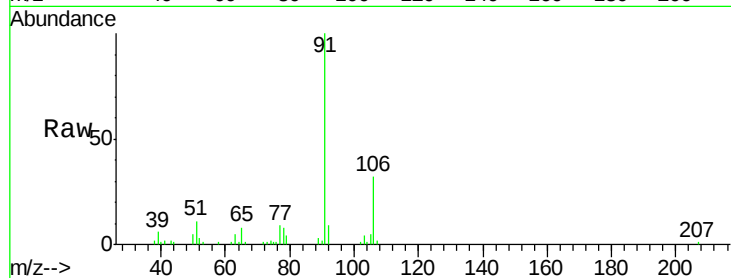




#67
Ethyl Benzene
Concen: 4.551 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

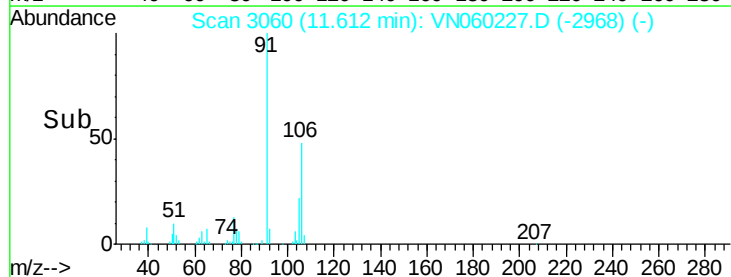
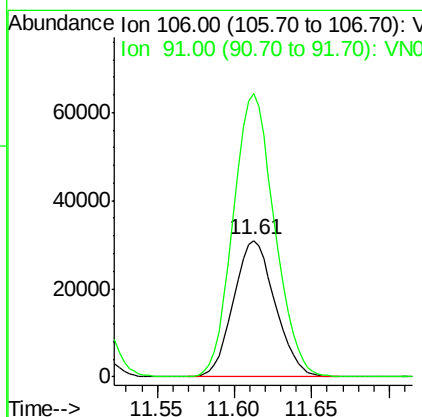
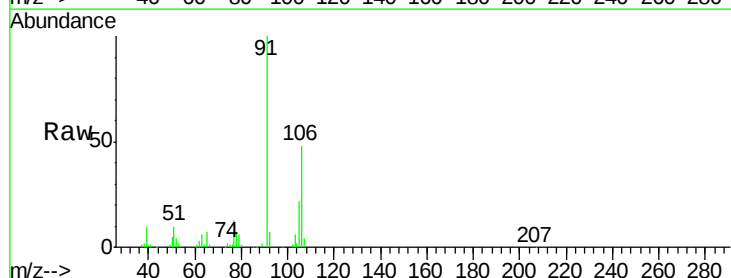
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30875

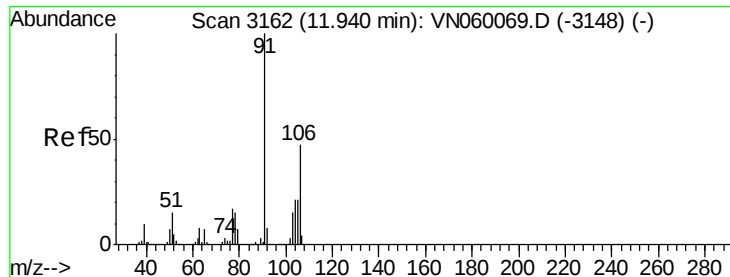
Tot Ion: 91 Resp: 42457
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#68
m/p-Xylenes
Concen: 16.517 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

Tgt Ion: 106 Resp: 57834
Ion Ratio Lower Upper
106 100
91 206.6 162.7 244.1

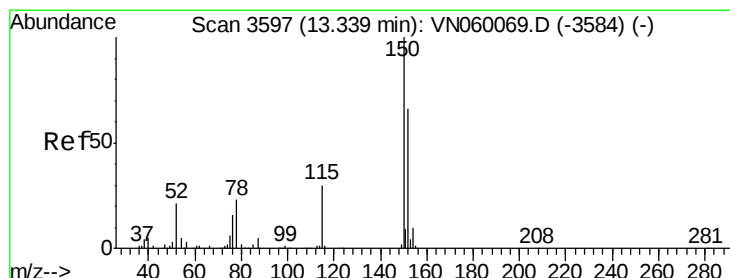
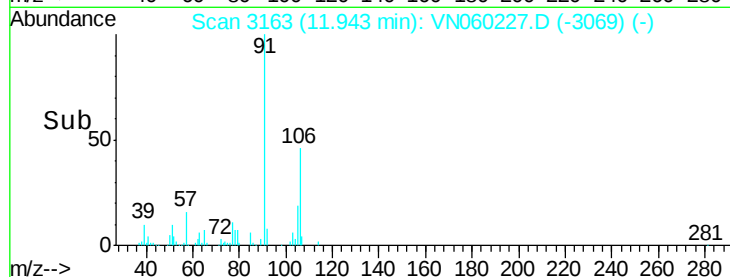
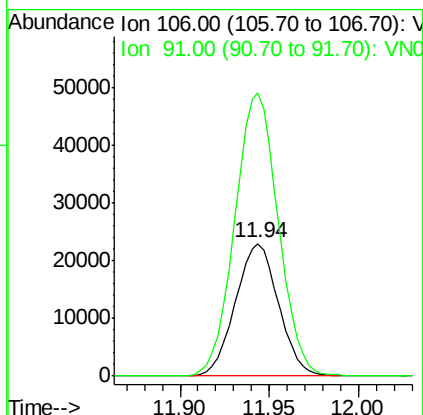
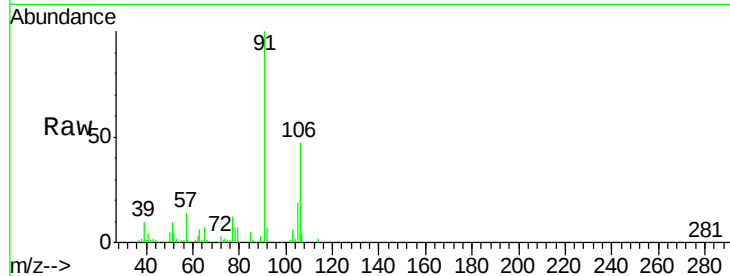




#69
o-Xylene
Concen: 11.495 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

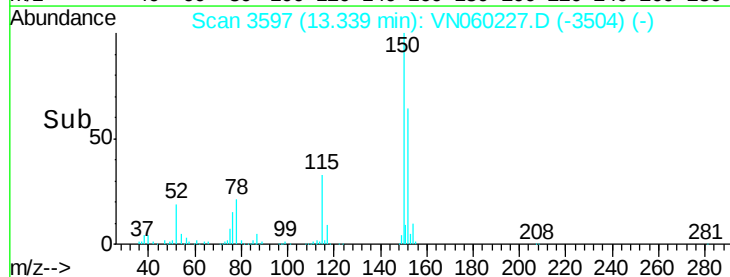
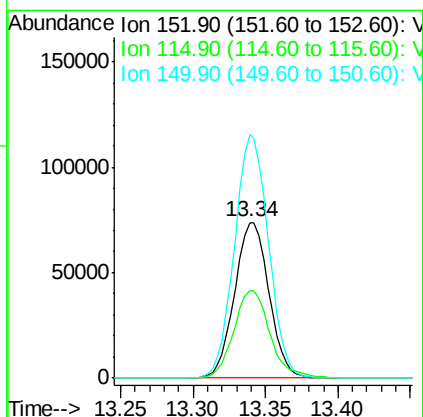
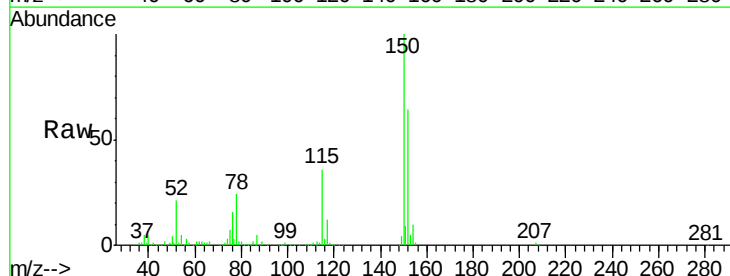
Instrument :
MSVOA_N
ClientSampleId :
30875

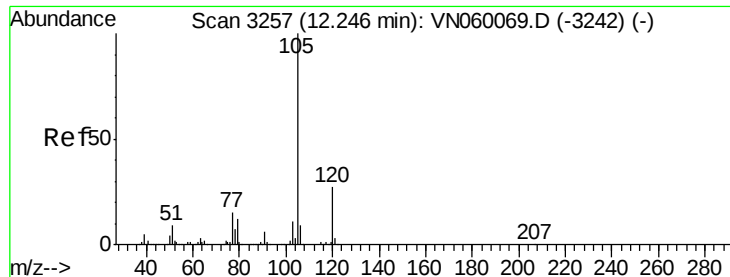
Tot Ion:106 Resp: 38754
Ion Ratio Lower Upper
106 100
91 215.6 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060227.D
Acq: 25 Feb 2020 12:34

Tgt Ion:152 Resp: 121784
Ion Ratio Lower Upper
152 100
115 59.1 28.9 86.8
150 154.8 0.0 342.4





#73

Isopropylbenzene

Concen: 1.168 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060227.D

Acq: 25 Feb 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

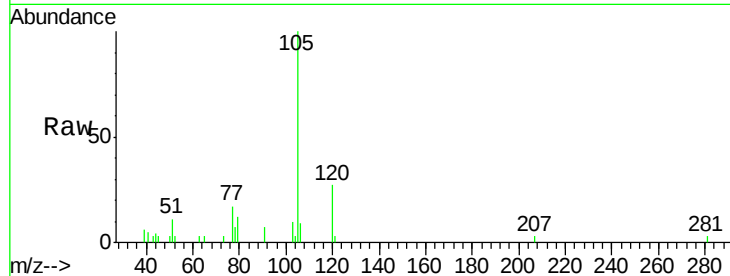
30875

Tot Ion:105 Resp: 10624

Ion Ratio Lower Upper

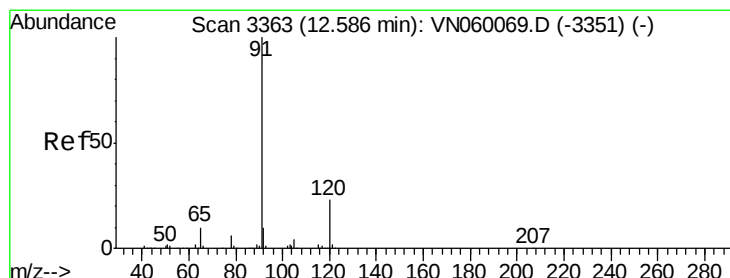
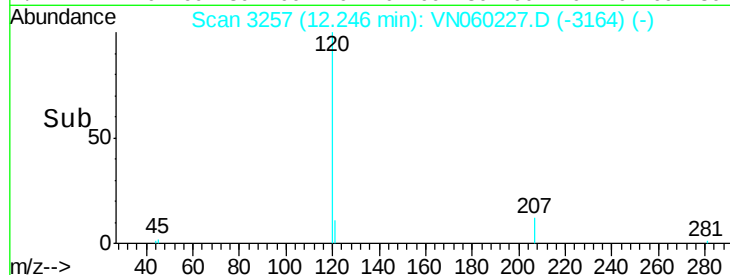
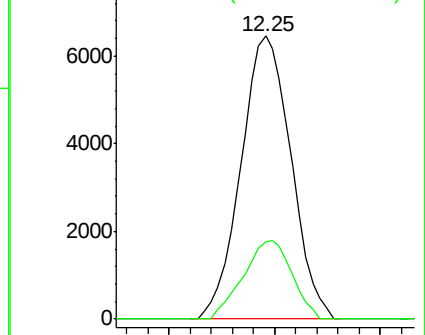
105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 2.430 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060227.D

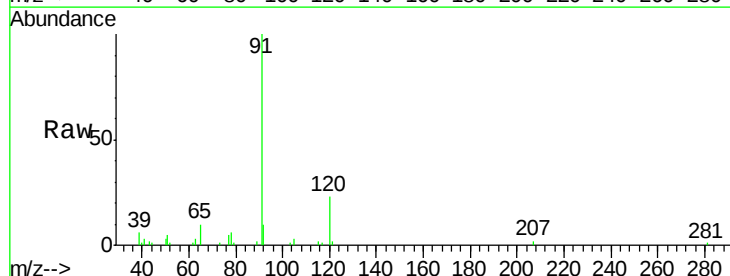
Acq: 25 Feb 2020 12:34

Tgt Ion: 91 Resp: 25177

Ion Ratio Lower Upper

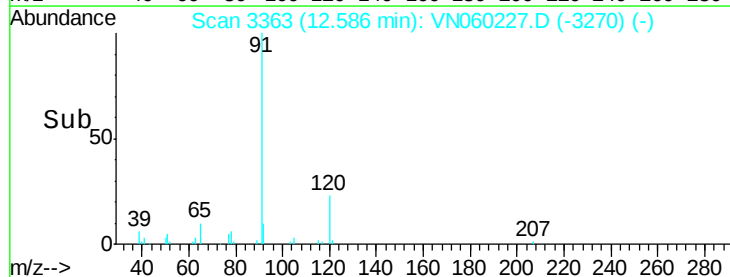
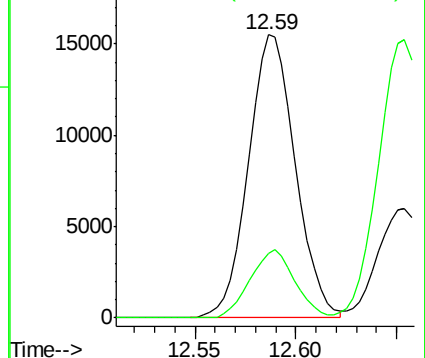
91 100

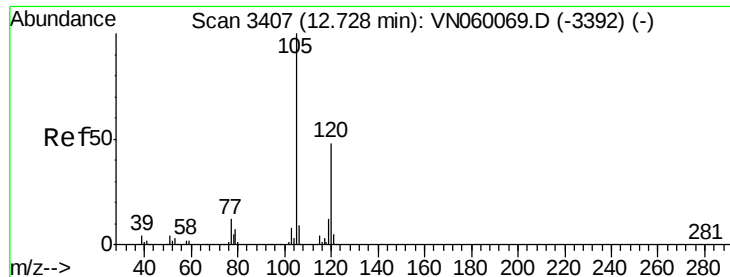
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 4.243 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060227.D

Acq: 25 Feb 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

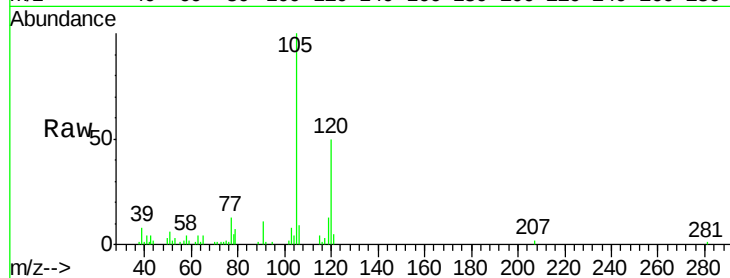
30875

Tot Ion:105 Resp: 32086

Ion Ratio Lower Upper

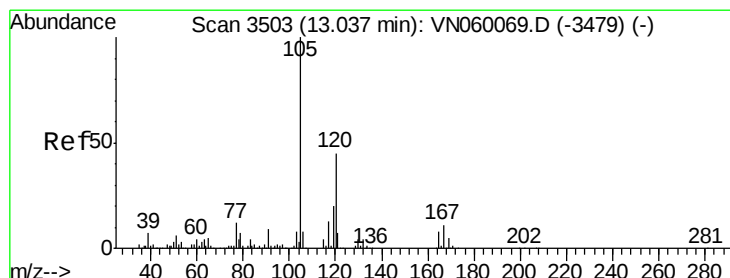
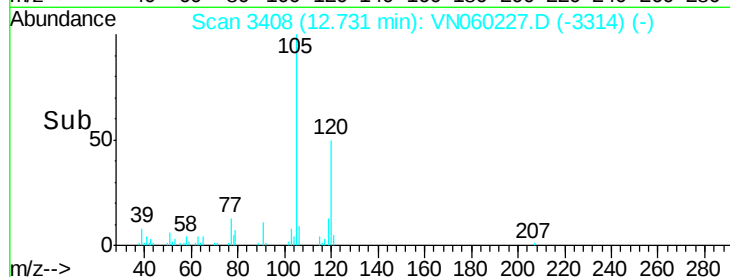
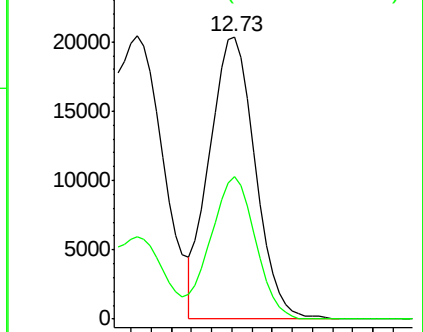
105 100

120 50.0 24.3 72.9



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: 19.222 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060227.D

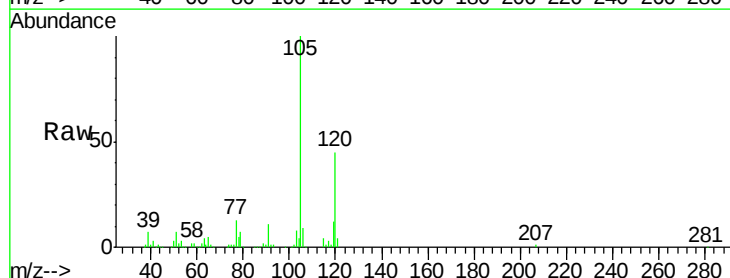
Acq: 25 Feb 2020 12:34

Tgt Ion:105 Resp: 143475

Ion Ratio Lower Upper

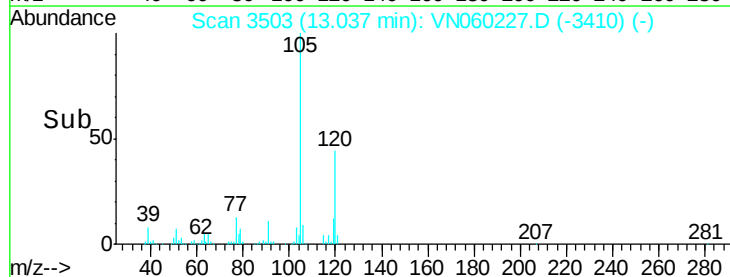
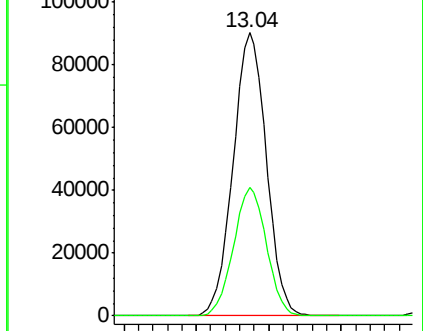
105 100

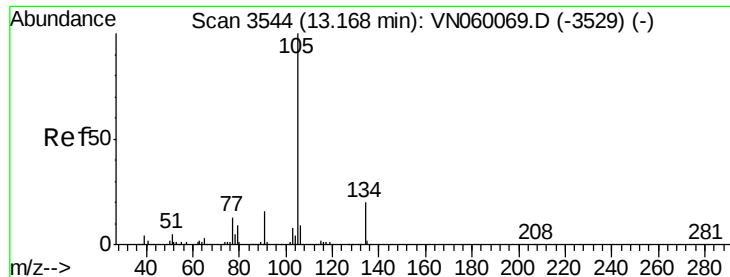
120 44.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.114 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060227.D

Acq: 25 Feb 2020 12:34

Instrument :

MSVOA_N

ClientSampled :

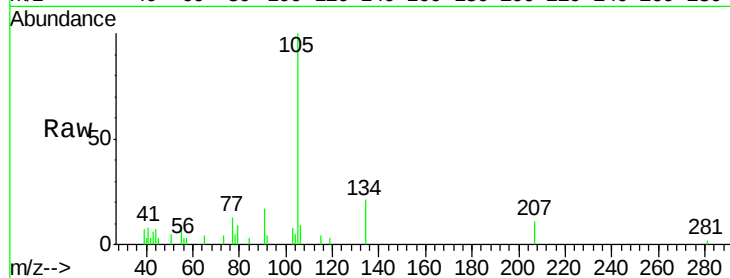
30875

Tot Ion: 105 Resp: 9870

Ion Ratio Lower Upper

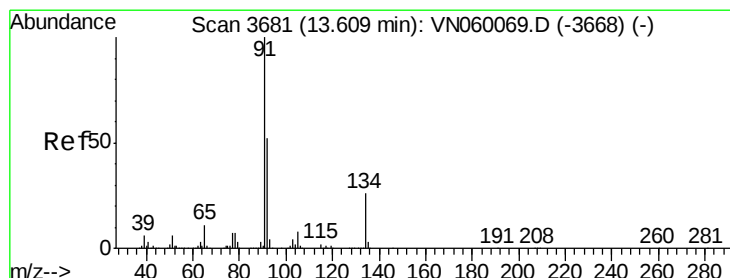
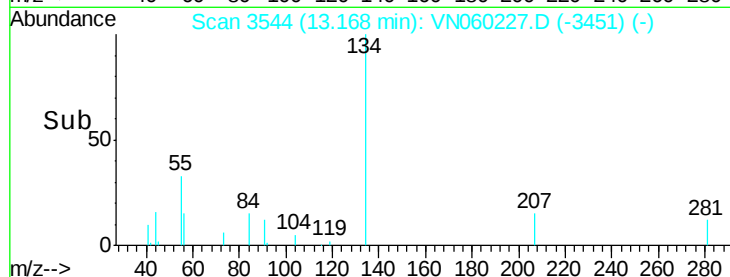
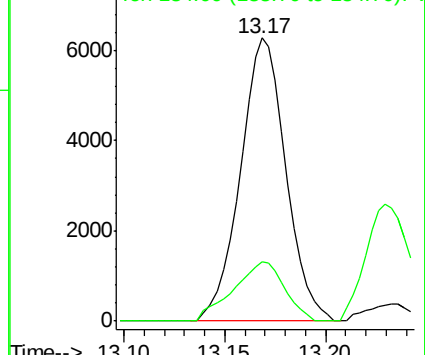
105 100

134 23.4 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 1.210 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060227.D

Acq: 25 Feb 2020 12:34

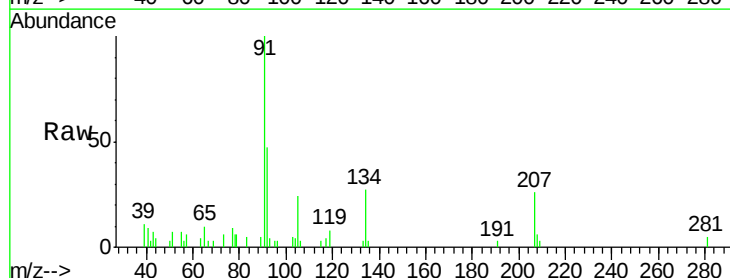
Tgt Ion: 91 Resp: 8545

Ion Ratio Lower Upper

91 100

92 58.4 26.1 78.2

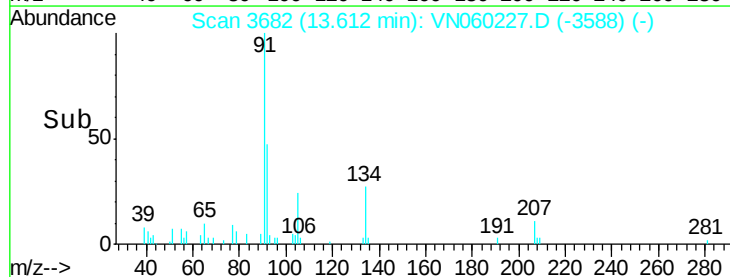
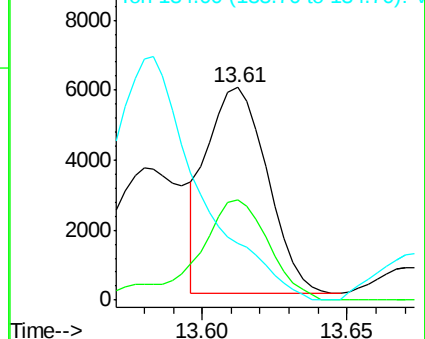
134 0.0 13.1 39.3#

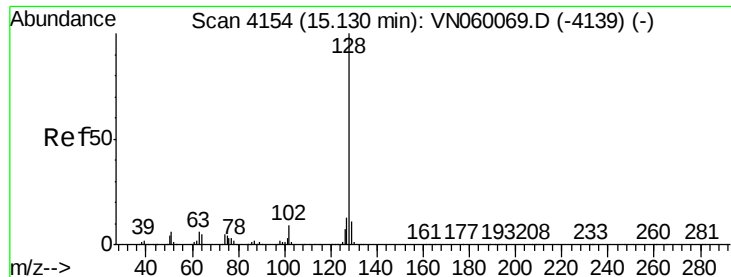


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 5.122 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060227.D

Acq: 25 Feb 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

30875

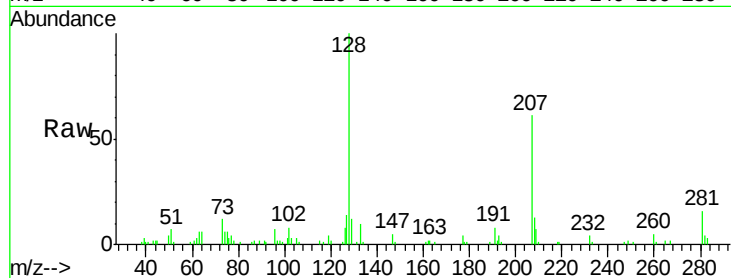
Tot Ion:128 Resp: 31781

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

