

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060043.D
 Acq On : 10 Feb 2020 14:02
 Operator : JC/MD
 Sample : L1471-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30522

Quant Time: Feb 11 07:58:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	311391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137406	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	114387	52.09	ug/l	0.00
Spiked Amount						
			Recovery	=	104.18%	
35) Dibromofluoromethane	7.57	113	93547	50.38	ug/l	0.00
Spiked Amount						
			Recovery	=	100.76%	
50) Toluene-d8	10.08	98	378447	52.60	ug/l	0.00
Spiked Amount						
			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.40	95	139272	53.70	ug/l	0.00
Spiked Amount						
			Recovery	=	107.40%	

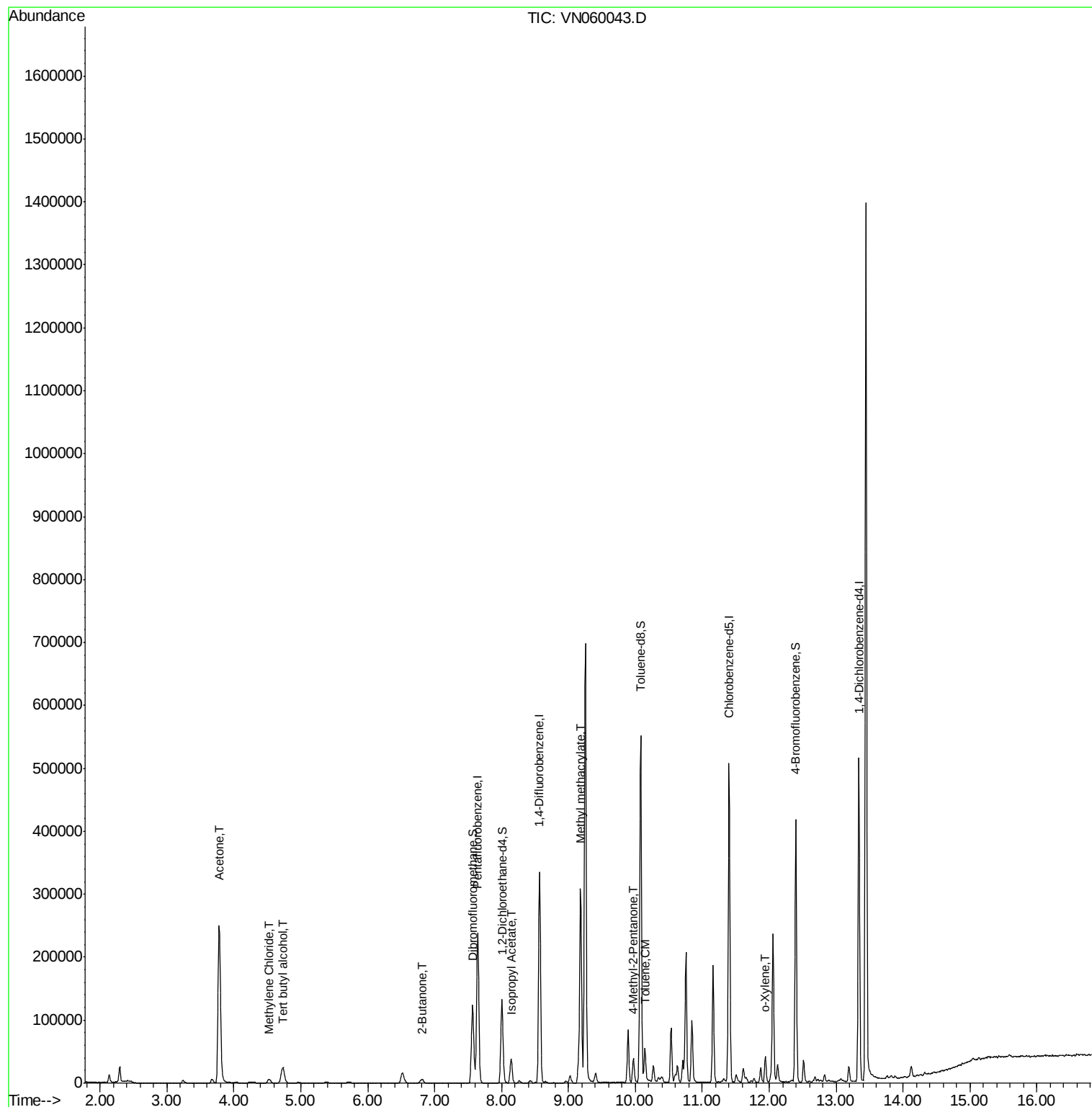
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	49789	134.693	ug/l	100
16) Acetone	3.78	43	420232	574.095	ug/l	98
20) Methylene Chloride	4.52	84	5651	1.592	ug/l #	82
25) 2-Butanone	6.81	43	11688	9.400	ug/l	95
43) Isopropyl Acetate	8.14	43	46129	10.545	ug/l #	90
48) Methyl methacrylate	9.18	41	148542	75.912	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	25255	9.987	ug/l	98
52) Toluene	10.14	92	23504	4.601	ug/l	99
69) o-Xylene	11.94	106	4316	1.104	ug/l	96

(#) = 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: VN060043.D

Acq: 10 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

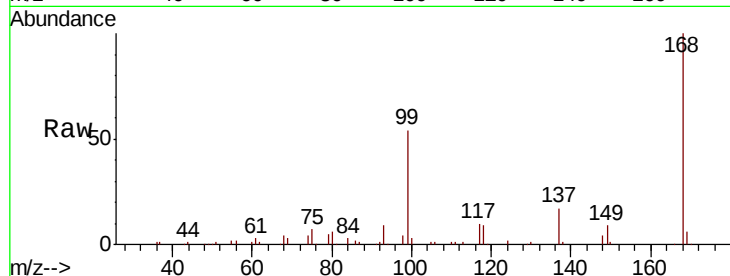
30522

Tot Ion:168 Resp: 197725

Ion Ratio Lower Upper

168 100

99 54.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

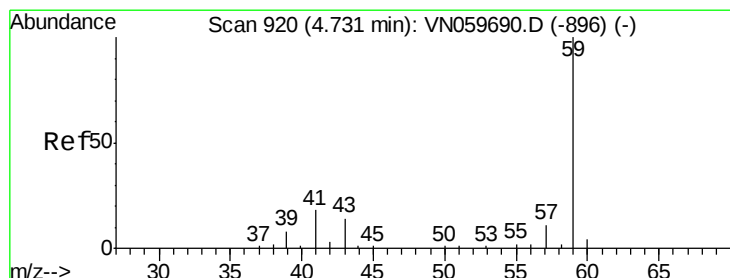
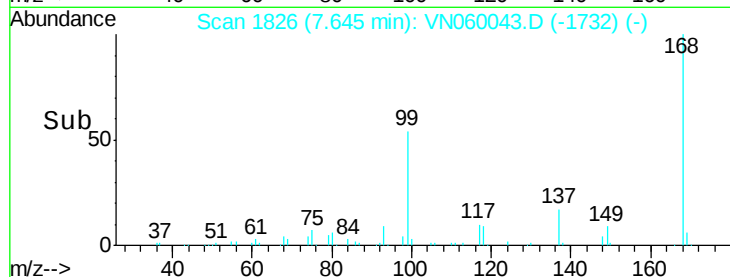
40000

20000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 134.693 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN060043.D

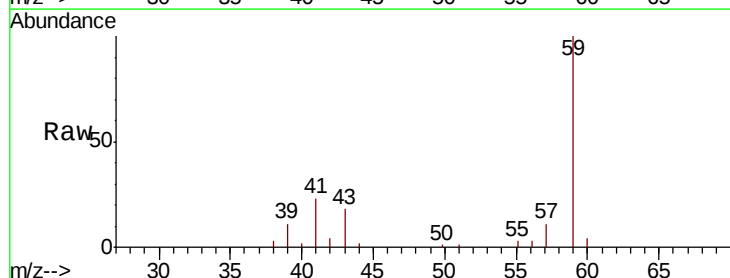
Acq: 10 Feb 2020 14:02

Tgt Ion: 59 Resp: 49789

Ion Ratio Lower Upper

59 100

57 10.6 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

15000

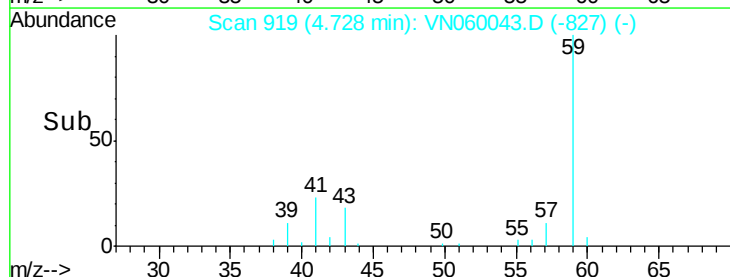
10000

5000

0

4.60 4.70 4.80 4.90

Time-->





#16

Acetone

Concen: 574.095 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060043.D

Acq: 10 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

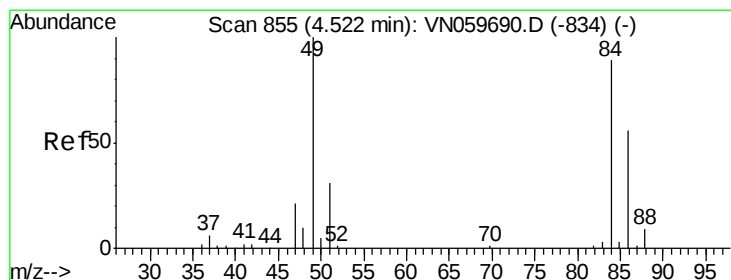
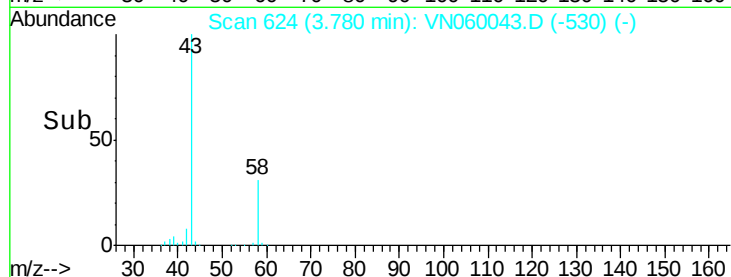
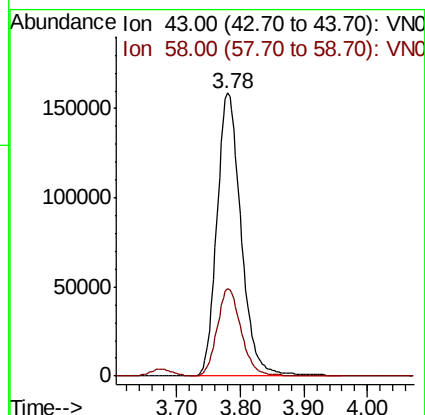
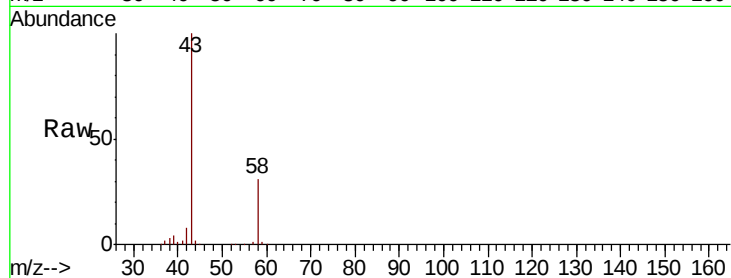
30522

Tot Ion: 43 Resp: 420232

Ion Ratio Lower Upper

43 100

58 30.7 23.6 35.4



#20

Methylene Chloride

Concen: 1.592 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060043.D

Acq: 10 Feb 2020 14:02

Tgt Ion: 84 Resp: 5651

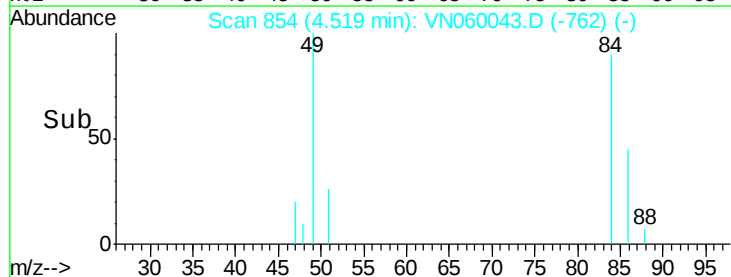
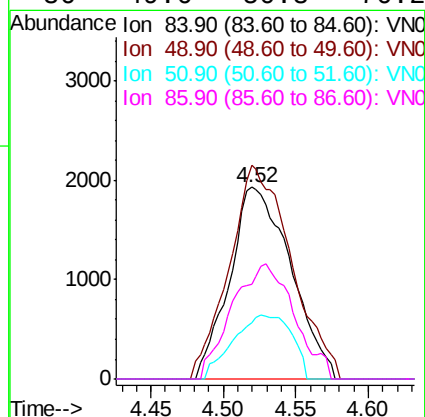
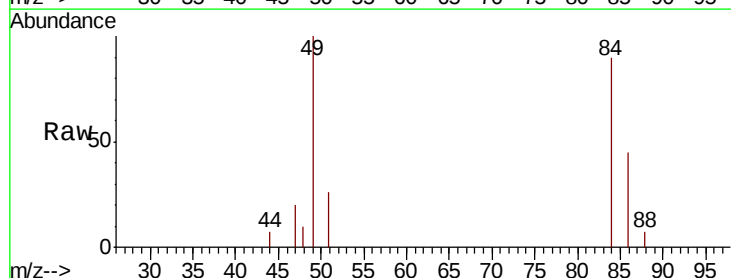
Ion Ratio Lower Upper

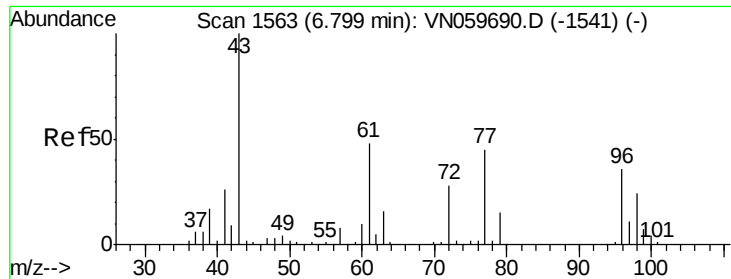
84 100

49 111.3 106.6 160.0

51 29.5 31.9 47.9#

86 49.6 50.8 76.2#

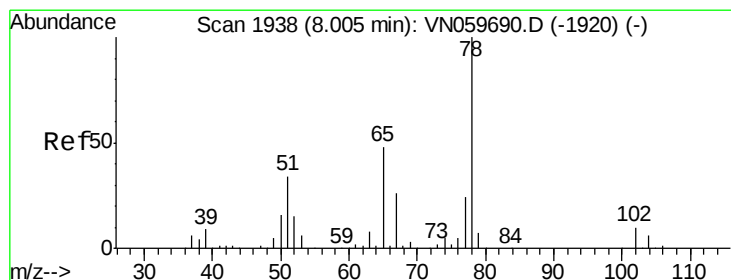
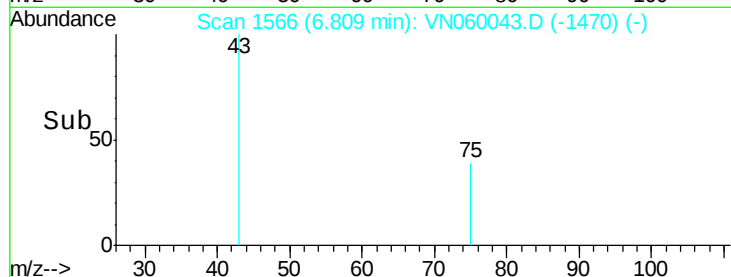
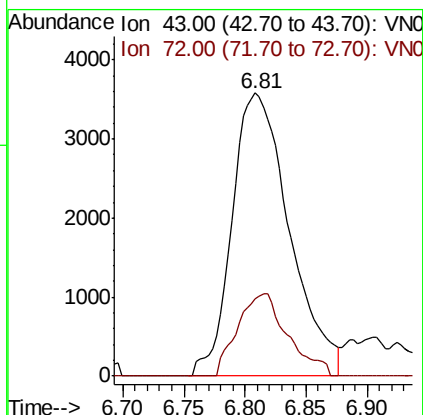
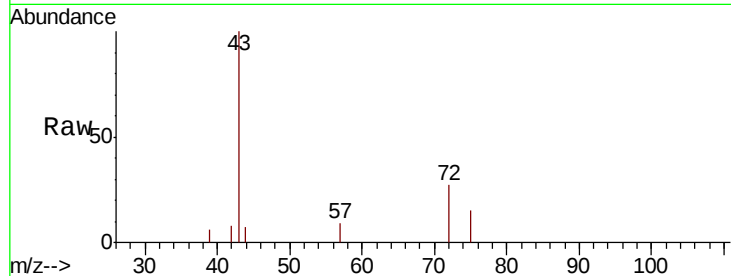




#25
2-Butanone
Concen: 9.400 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060043.D
Acq: 10 Feb 2020 14:02

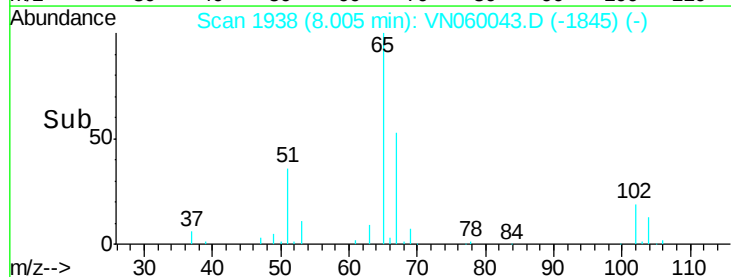
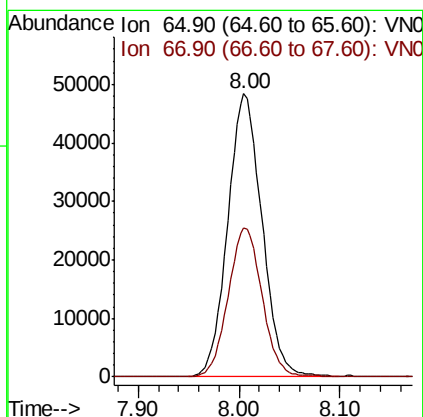
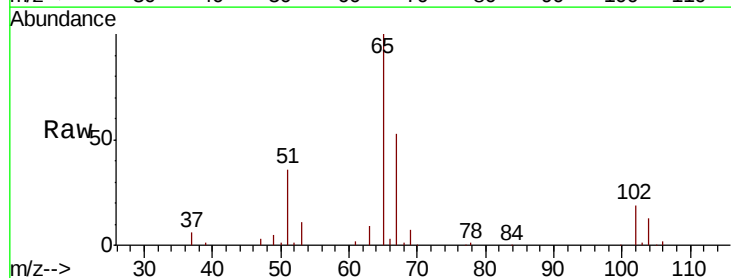
Instrument :
MSVOA_N
ClientSampled :
30522

Tot Ion: 43 Resp: 11688
Ion Ratio Lower Upper
43 100
72 27.3 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 52.094 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060043.D
Acq: 10 Feb 2020 14:02

Tgt Ion: 65 Resp: 114387
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0

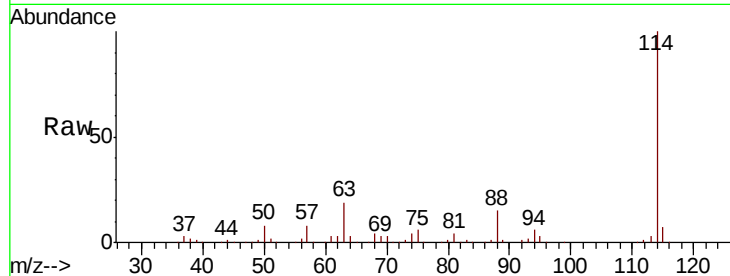




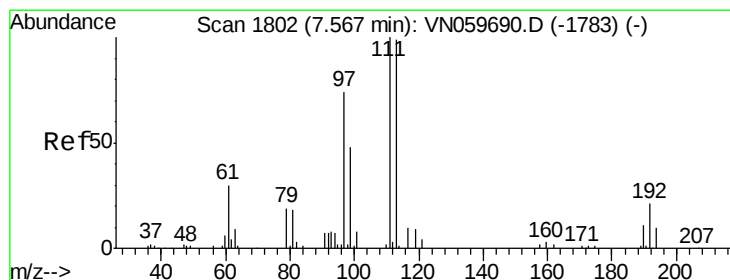
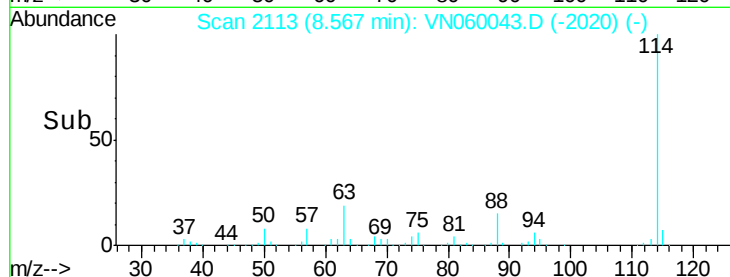
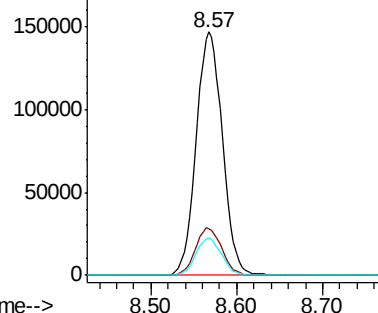
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060043.D
Acq: 10 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
30522

Tot Ion:114 Resp: 311391
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.6
88 15.5 0.0 31.4

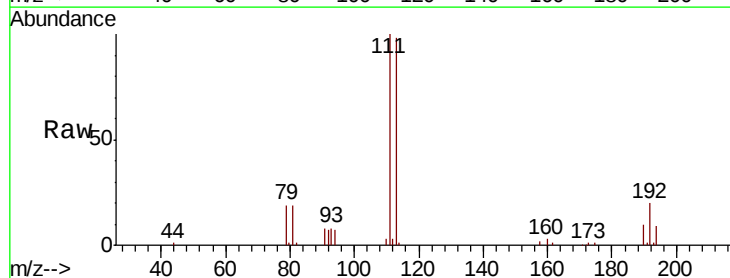


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

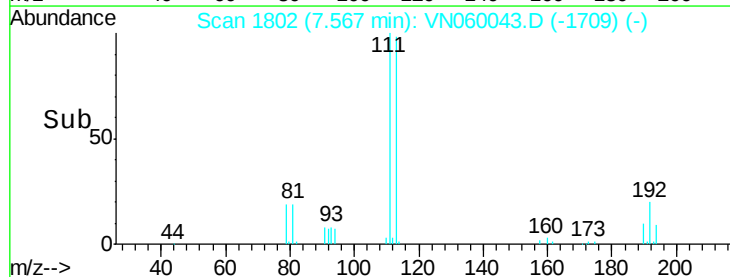
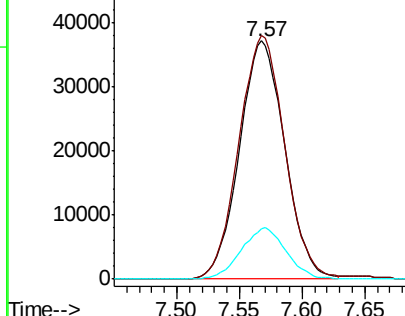


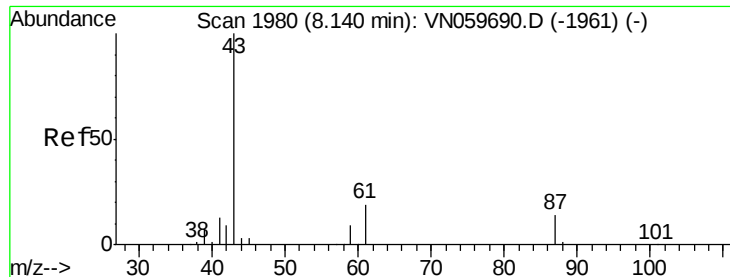
#35
Dibromofluoromethane
Concen: 50.376 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060043.D
Acq: 10 Feb 2020 14:02

Tgt Ion:113 Resp: 93547
Ion Ratio Lower Upper
113 100
111 104.3 83.5 125.3
192 21.3 15.4 23.2



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: 10.545 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060043.D

Acq: 10 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

30522

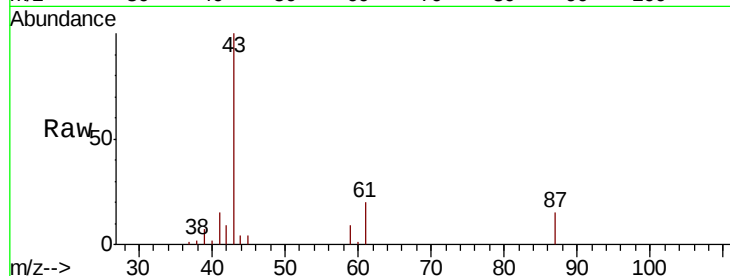
Tot Ion: 43 Resp: 46129

Ion Ratio Lower Upper

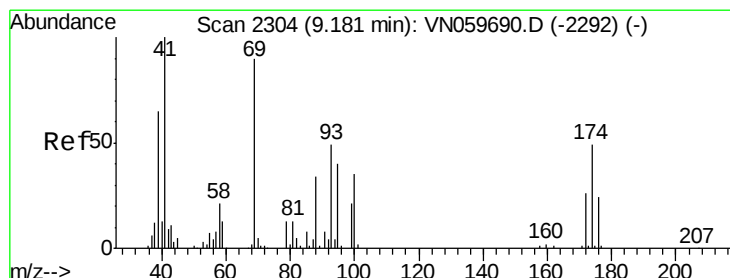
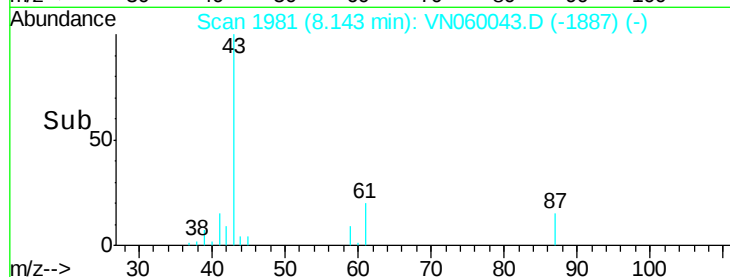
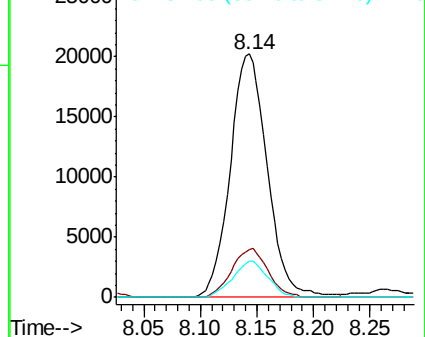
43 100

61 19.5 20.2 30.2#

87 14.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 75.912 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060043.D

Acq: 10 Feb 2020 14:02

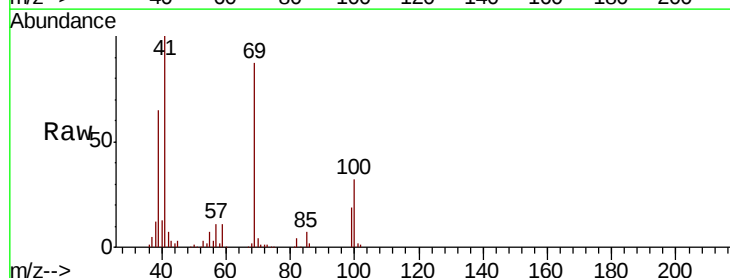
Tgt Ion: 41 Resp: 148542

Ion Ratio Lower Upper

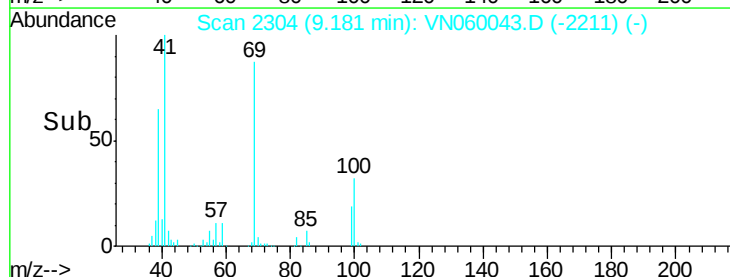
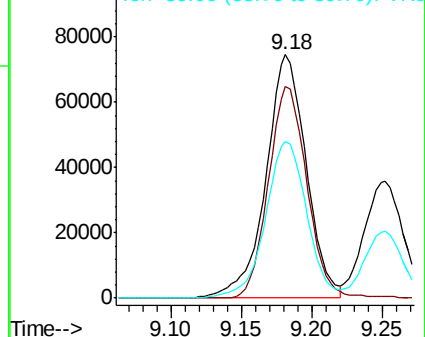
41 100

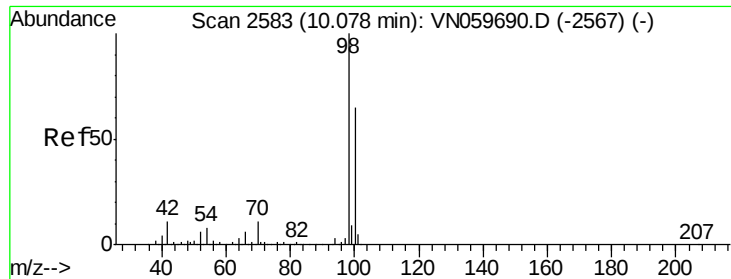
69 83.1 64.4 96.6

39 65.5 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.600 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060043.D

Acq: 10 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

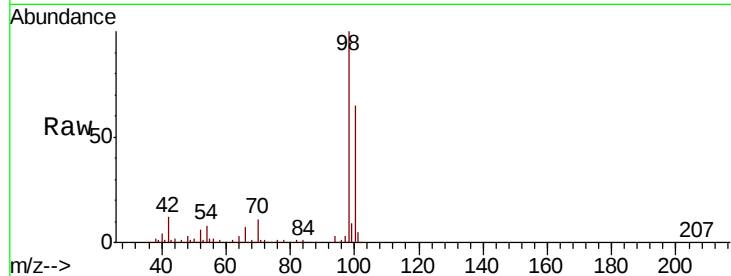
30522

Tot Ion: 98 Resp: 378447

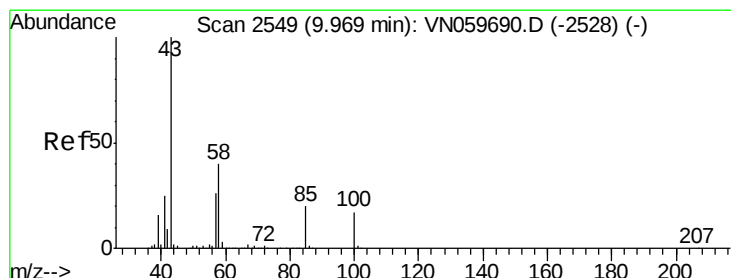
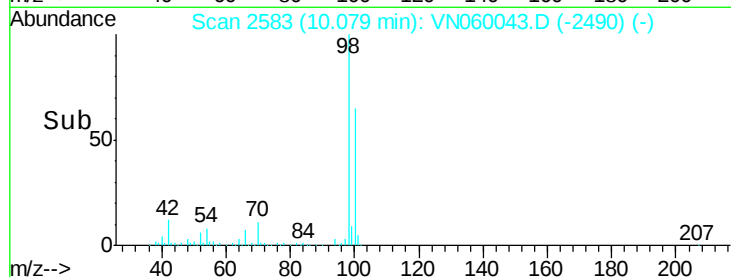
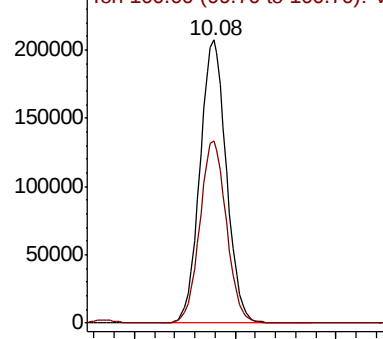
Ion Ratio Lower Upper

98 100

100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN060043.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 9.987 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060043.D

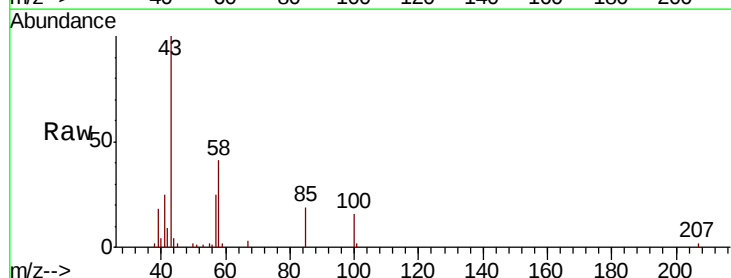
Acq: 10 Feb 2020 14:02

Tgt Ion: 43 Resp: 25255

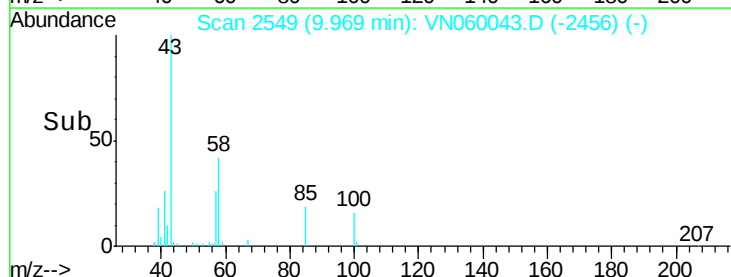
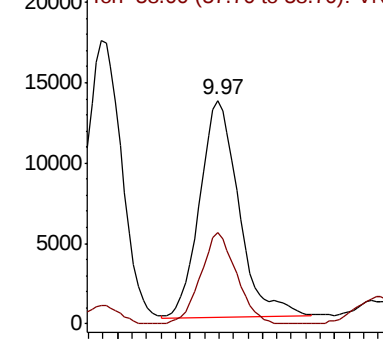
Ion Ratio Lower Upper

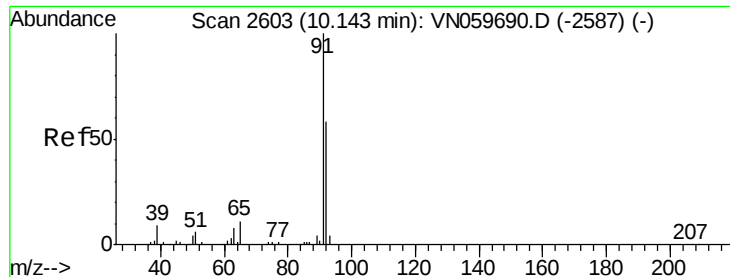
43 100

58 38.6 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN060043.D (-2456) (-)





#52

Toluene

Concen: 4.601 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060043.D

Acq: 10 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

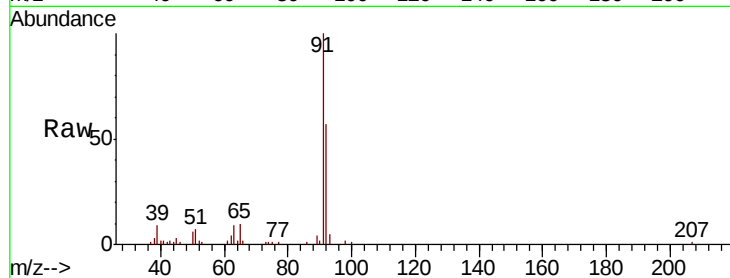
30522

Tot Ion: 92 Resp: 23504

Ion Ratio Lower Upper

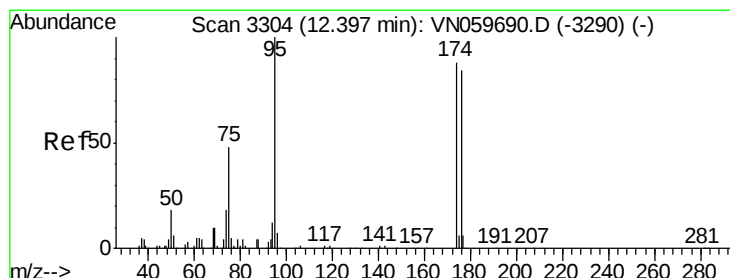
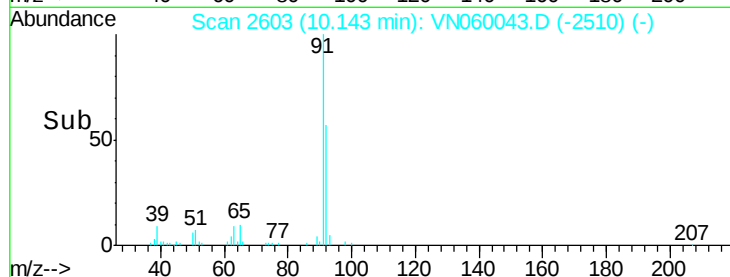
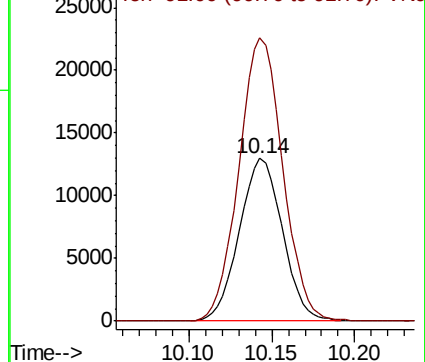
92 100

91 177.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 53.696 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060043.D

Acq: 10 Feb 2020 14:02

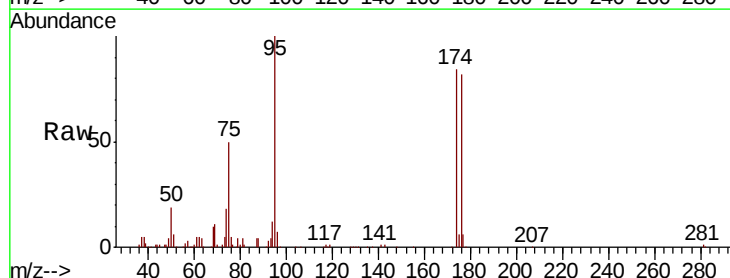
Tgt Ion: 95 Resp: 139272

Ion Ratio Lower Upper

95 100

174 84.0 0.0 151.4

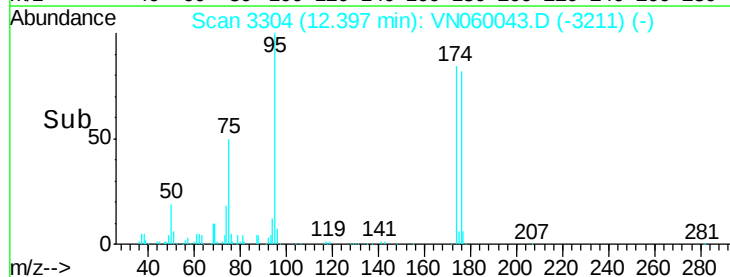
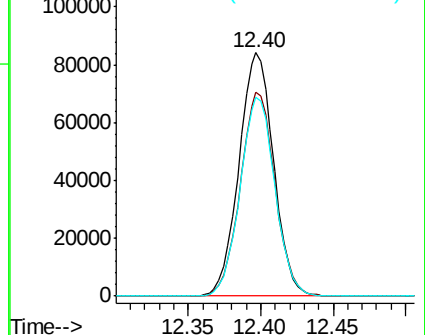
176 82.3 0.0 146.0

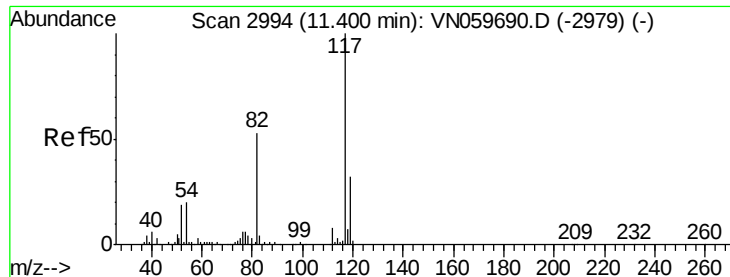


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

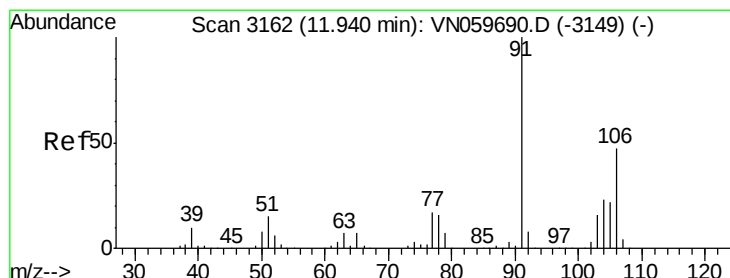
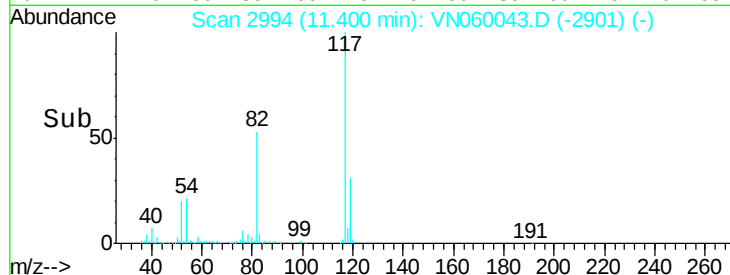
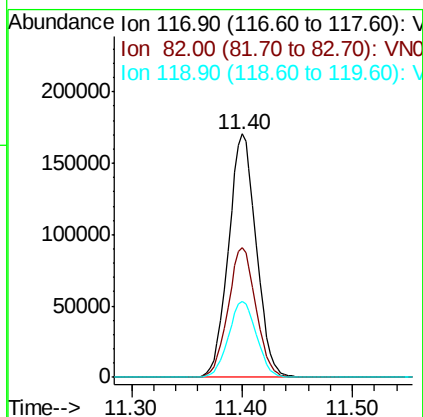
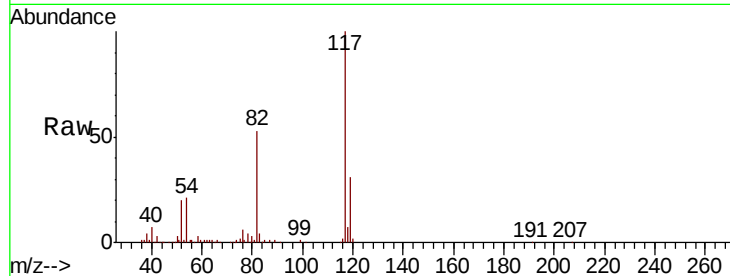




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060043.D
Acq: 10 Feb 2020 14:02

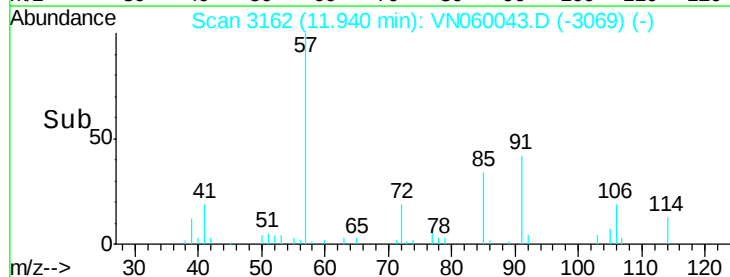
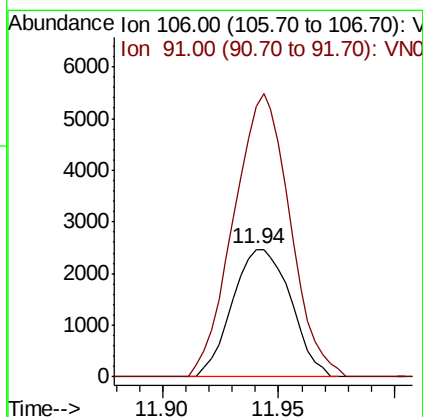
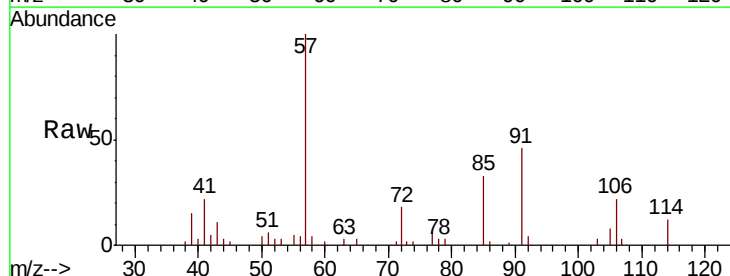
Instrument :
MSVOA_N
ClientSampled :
30522

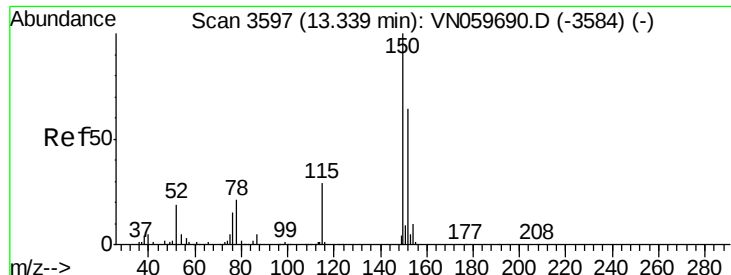
Tot Ion:117 Resp: 296213
Ion Ratio Lower Upper
117 100
82 53.3 45.9 68.9
119 31.2 25.5 38.3



#69
o-Xylene
Concen: 1.104 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060043.D
Acq: 10 Feb 2020 14:02

Tgt Ion:106 Resp: 4316
Ion Ratio Lower Upper
106 100
91 214.6 110.3 330.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060043.D

Acq: 10 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

30522

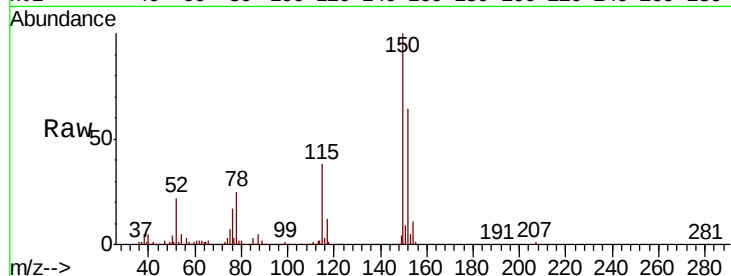
Tot Ion:152 Resp: 137406

Ion Ratio Lower Upper

152 100

115 58.5 30.3 90.9

150 155.5 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

