

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058537.D
 Acq On : 4 Oct 2019 13:59
 Operator : JC/SP
 Sample : K5180-01DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30474DL

Quant Time: Oct 05 01:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	392204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	626941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	269909	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	7.57	113	182674	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.08	98	752180	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.41	95	254476	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

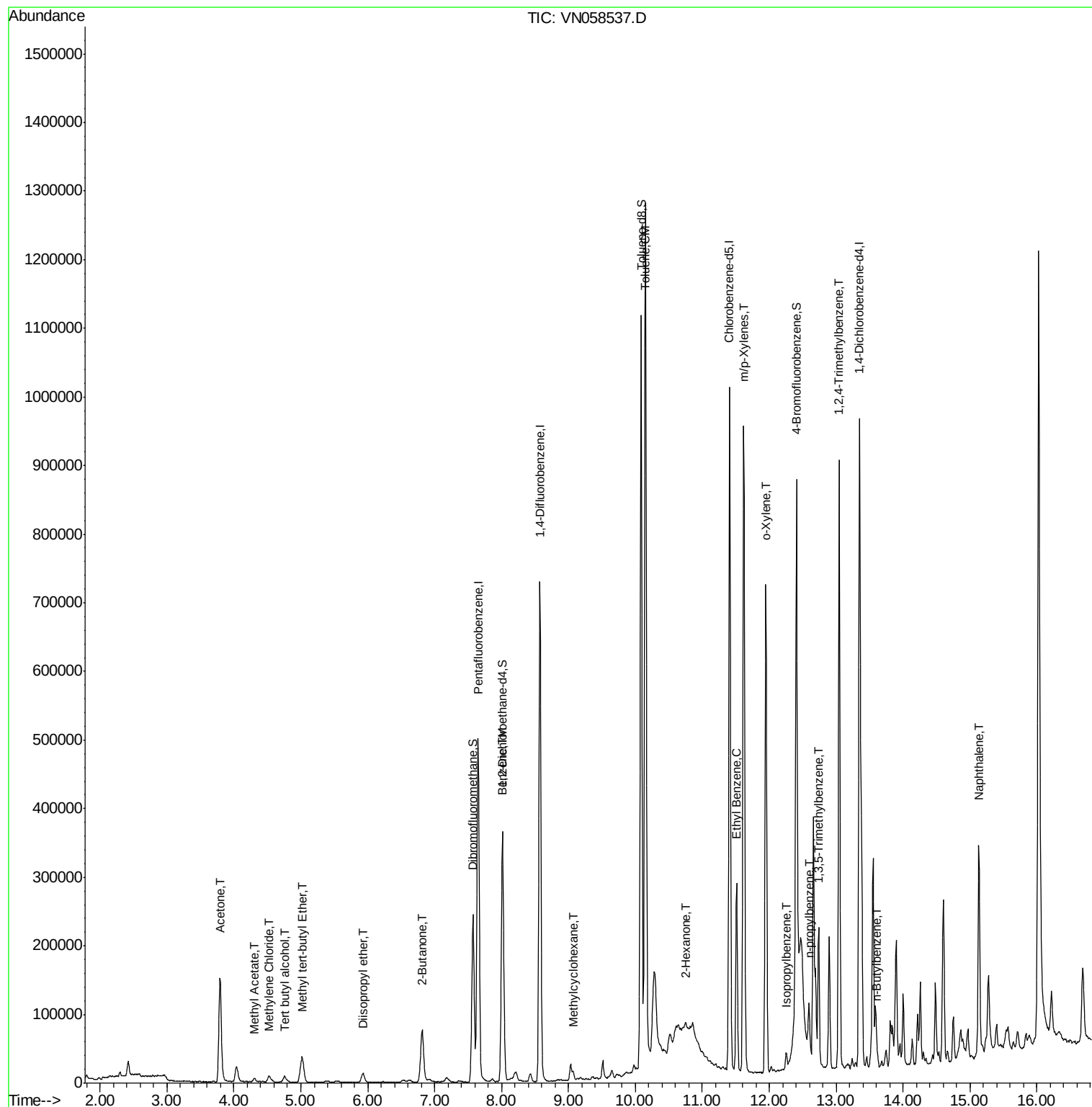
						Qvalue
11) Tert butyl alcohol	4.76	59	14969	23.510	ug/l #	92
16) Acetone	3.79	43	260706	133.436	ug/l	98
18) Methyl Acetate	4.30	43	7998	1.628	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	58931	4.514	ug/l	96
20) Methylene Chloride	4.52	84	6360	1.411	ug/l	89
22) Diisopropyl ether	5.92	45	17140	1.183	ug/l #	86
25) 2-Butanone	6.81	43	107452	40.057	ug/l	96
39) Methylcyclohexane	9.07	83	3895	0.556	ug/l #	89
40) Benzene	8.03	78	86622	5.027	ug/l	97
52) Toluene	10.15	92	534394	49.270	ug/l	99
59) 2-Hexanone	10.75	43	7892	2.208	ug/l	99
67) Ethyl Benzene	11.51	91	196436	10.003	ug/l	99
68) m/p-Xylenes	11.62	106	287593	38.926	ug/l	97
69) o-Xylene	11.95	106	186331	26.199	ug/l	97
73) Isopropylbenzene	12.25	105	14927	0.870	ug/l	99
78) n-propylbenzene	12.60	91	53212	2.754	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	101138	7.045	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	489753	34.051	ug/l	99
89) n-Butylbenzene	13.62	91	6695	0.527	ug/l #	74
95) Naphthalene	15.13	128	227000	20.005	ug/l	99

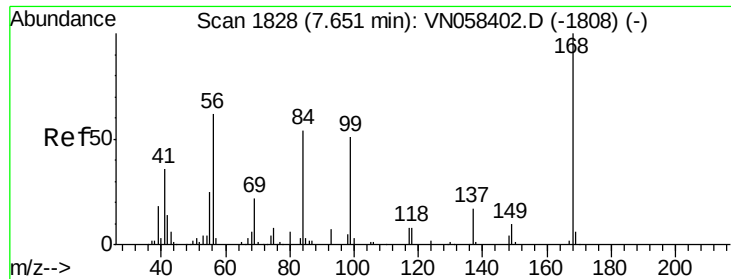
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100419\
Data File : VN058537.D
Acq On : 4 Oct 2019 13:59
Operator : JC/SP
Sample : K5180-01DL 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
30474DL

Quant Time: Oct 05 01:53:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampled :

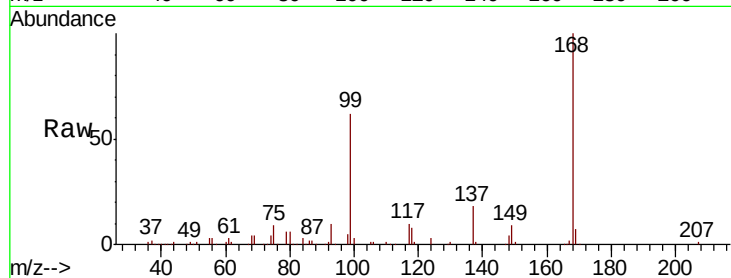
30474DL

Tot Ion:168 Resp: 392204

Ion Ratio Lower Upper

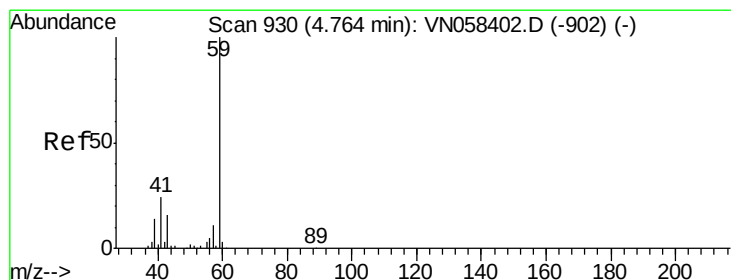
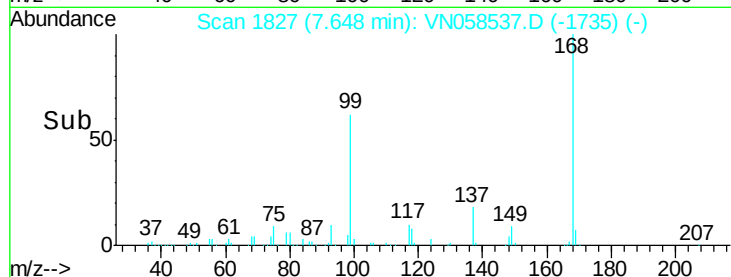
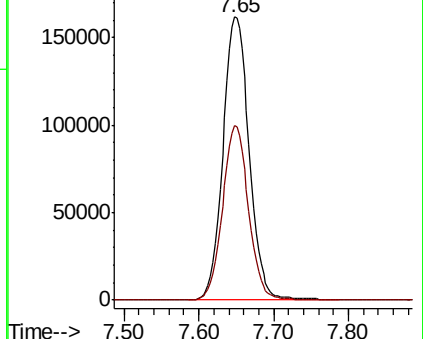
168 100

99 61.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 23.510 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058537.D

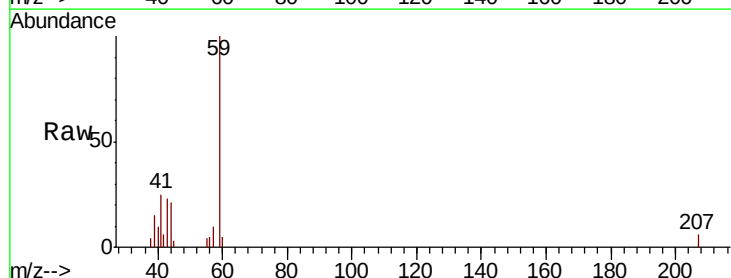
Acq: 4 Oct 2019 13:59

Tgt Ion: 59 Resp: 14969

Ion Ratio Lower Upper

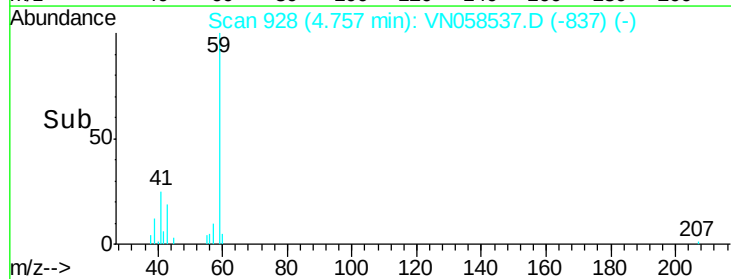
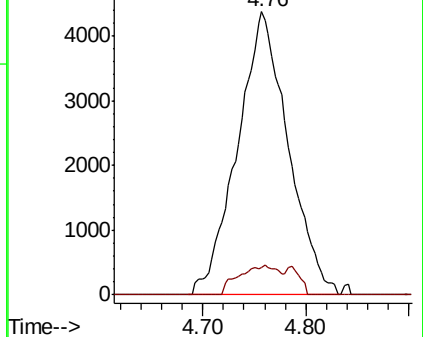
59 100

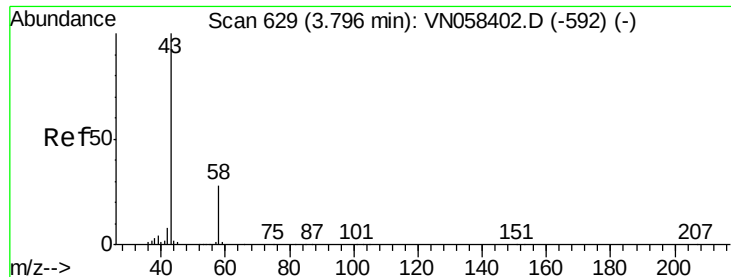
57 8.1 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

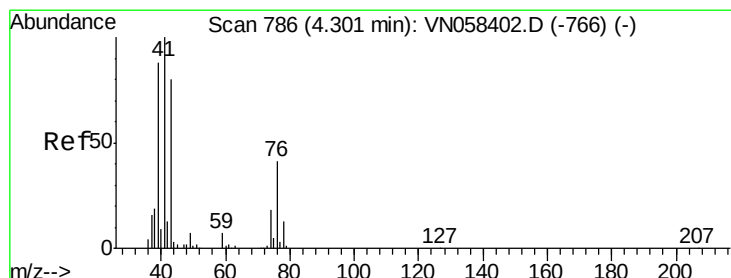
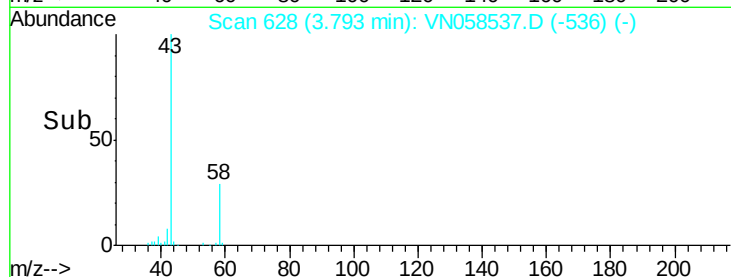
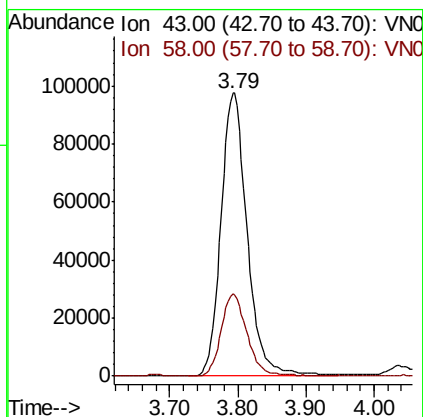
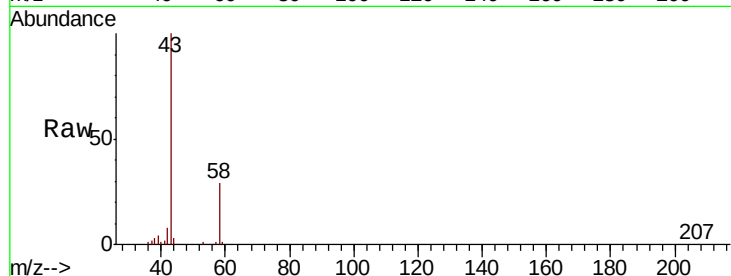




#16
Acetone
Concen: 133.436 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

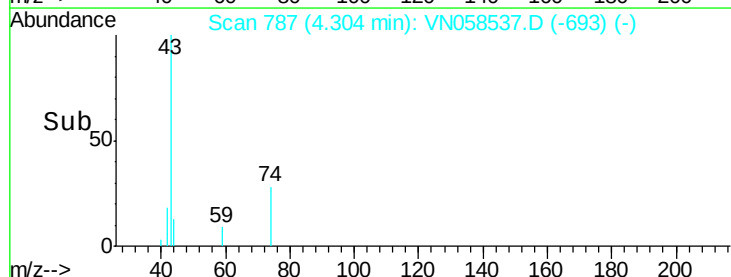
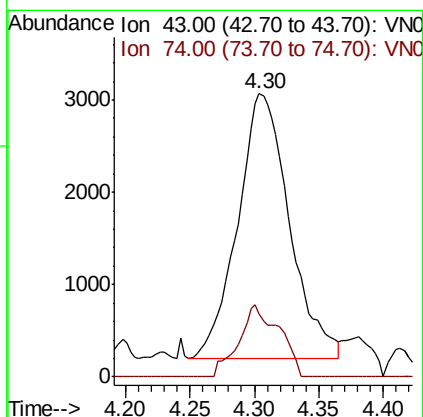
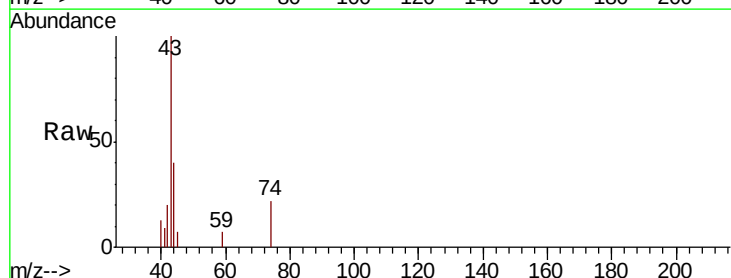
Instrument :
MSVOA_N
ClientSampled :
30474DL

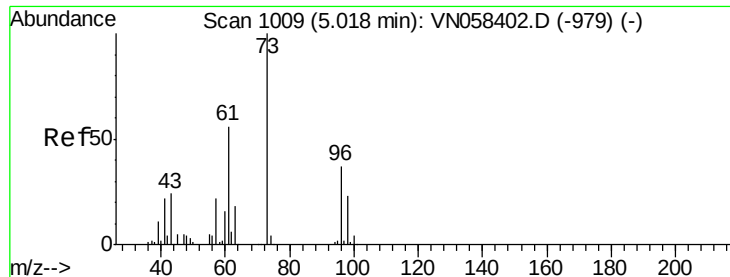
Tot Ion: 43 Resp: 260706
Ion Ratio Lower Upper
43 100
58 29.1 22.4 33.6



#18
Methyl Acetate
Concen: 1.628 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Tgt Ion: 43 Resp: 7998
Ion Ratio Lower Upper
43 100
74 21.3 18.0 27.0

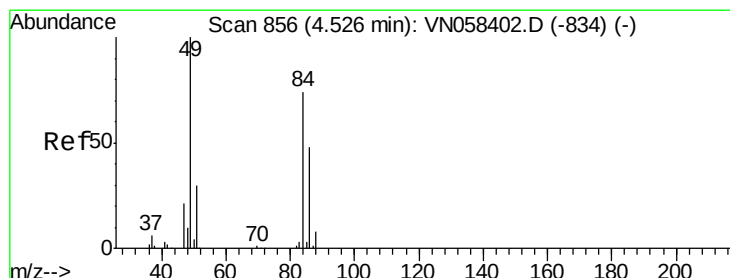
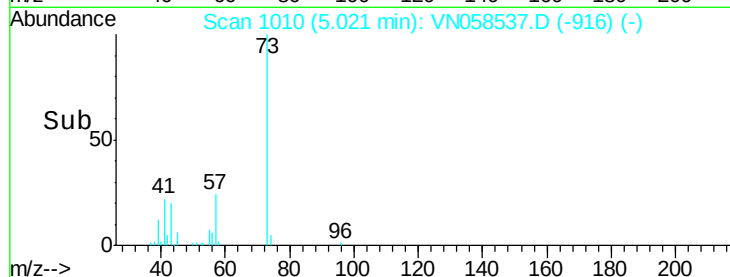
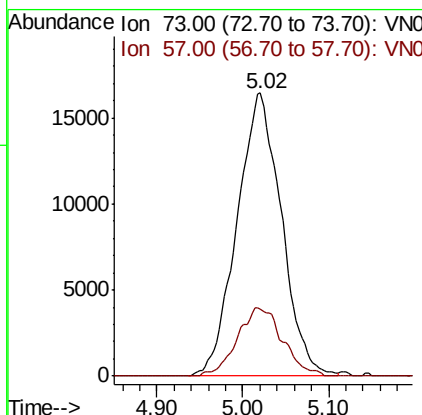
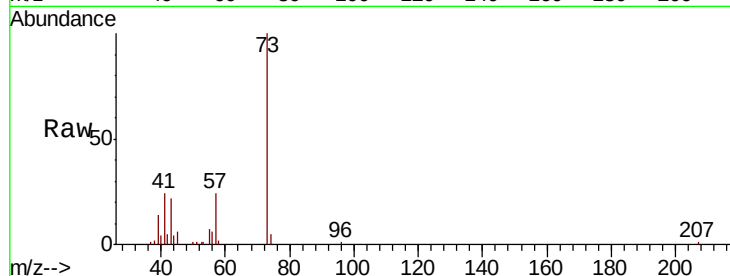




#19
Methvl tert-butvl Ether
Concen: 4.514 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

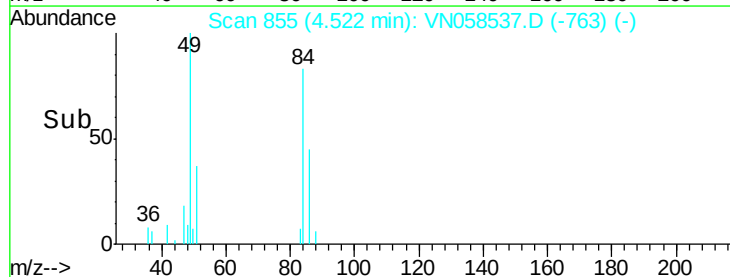
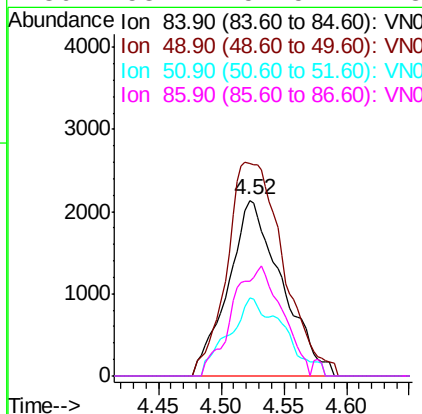
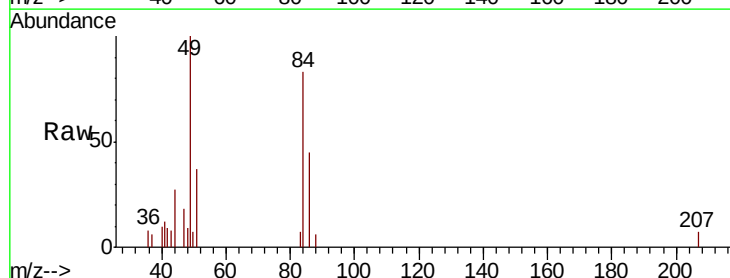
Instrument :
MSVOA_N
ClientSampled :
30474DL

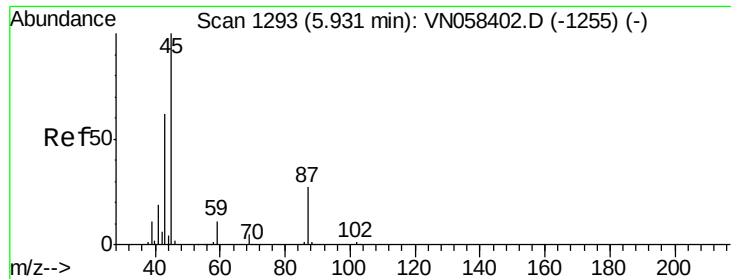
Tot Ion: 73 Resp: 58931
Ion Ratio Lower Upper
73 100
57 23.8 17.6 26.4



#20
Methylene Chloride
Concen: 1.411 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058537.D
Acq: 4 Oct 2019 13:59

Tgt Ion: 84 Resp: 6360
Ion Ratio Lower Upper
84 100
49 120.7 107.9 161.9
51 44.7 32.8 49.2
86 53.7 51.5 77.3





#22

Diisopropyl ether

Concen: 1.183 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

30474DL

Tot Ion: 45 Resp: 17140

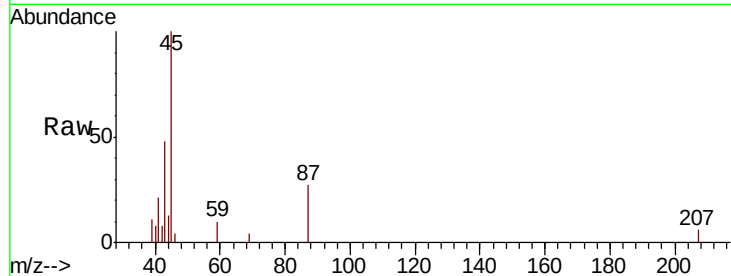
Ion Ratio Lower Upper

45 100

43 44.9 49.7 74.5#

87 27.2 21.5 32.3

59 10.0 8.9 13.3

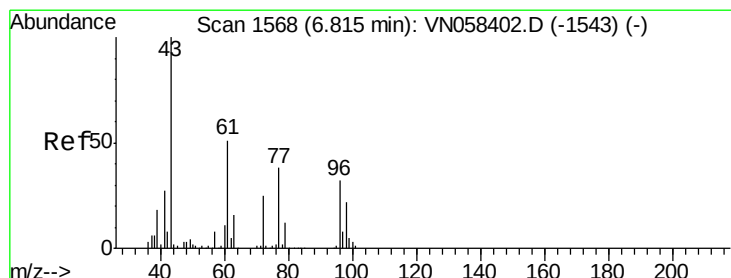
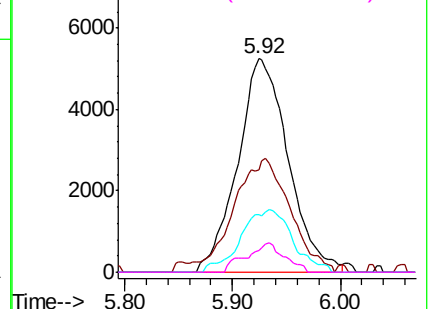
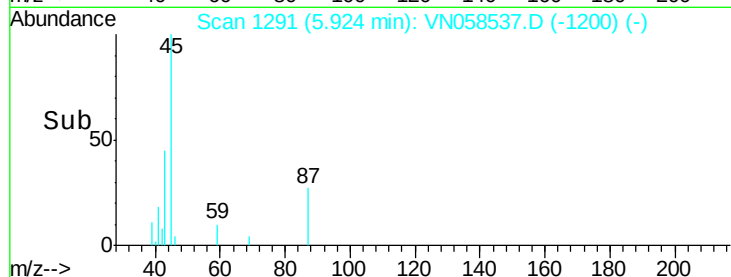


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#25

2-Butanone

Concen: 40.057 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058537.D

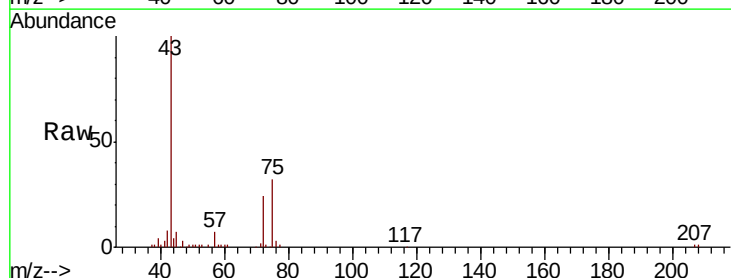
Acq: 4 Oct 2019 13:59

Tgt Ion: 43 Resp: 107452

Ion Ratio Lower Upper

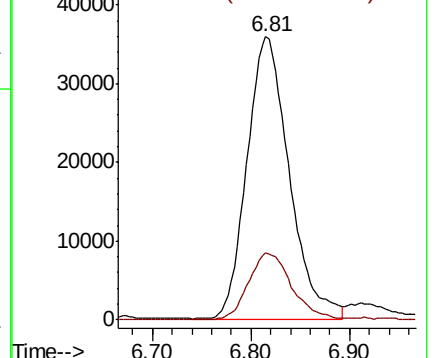
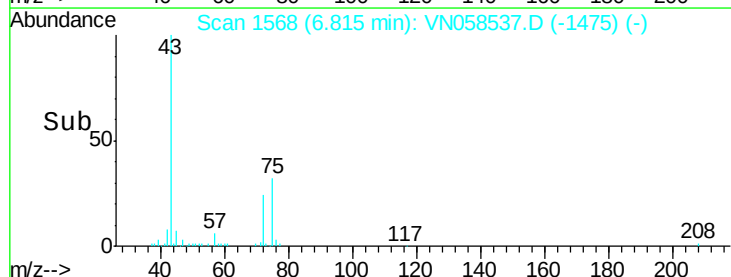
43 100

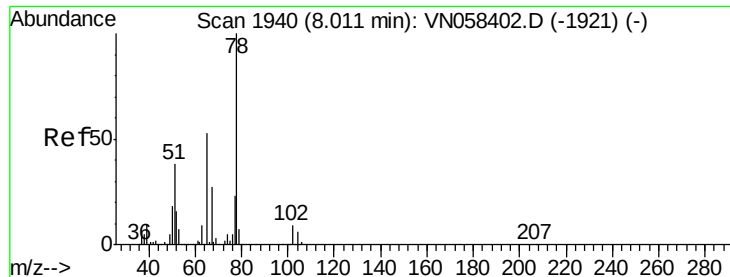
72 23.5 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

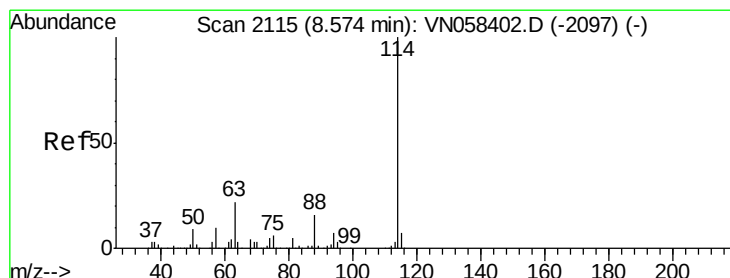
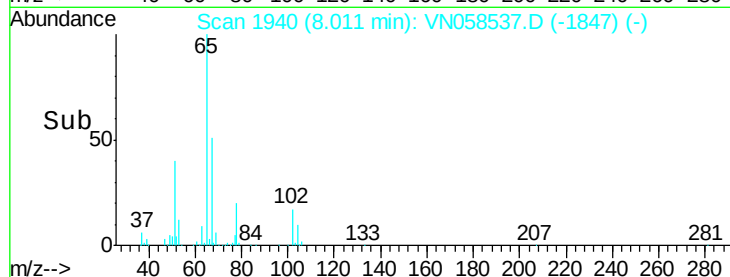
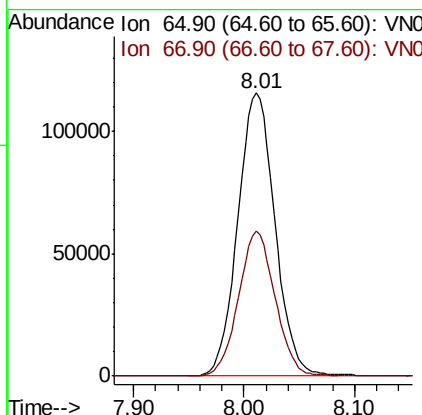
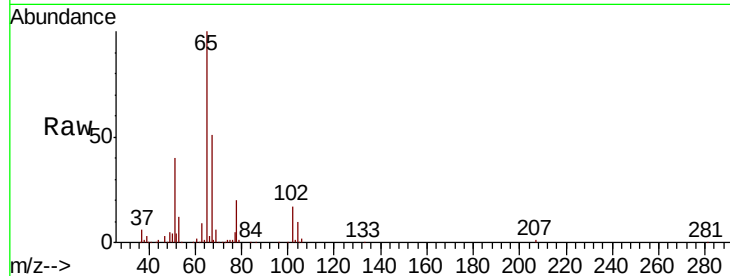




#33
 1,2-Dichloroethane-d4
 Concen: 47.093 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

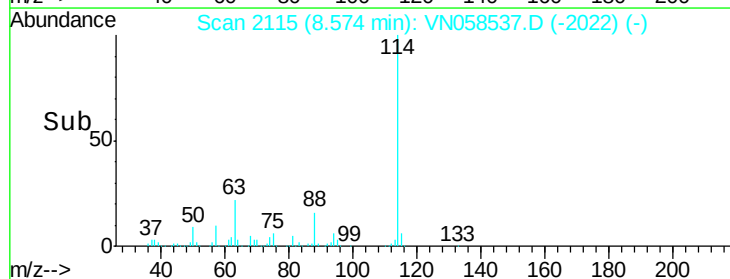
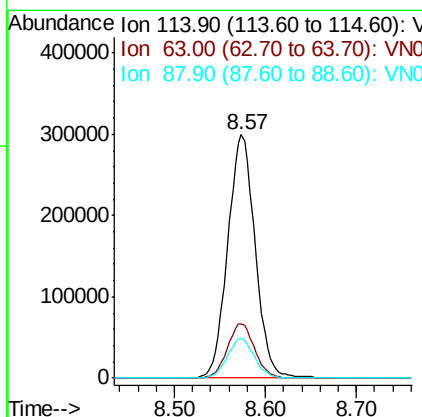
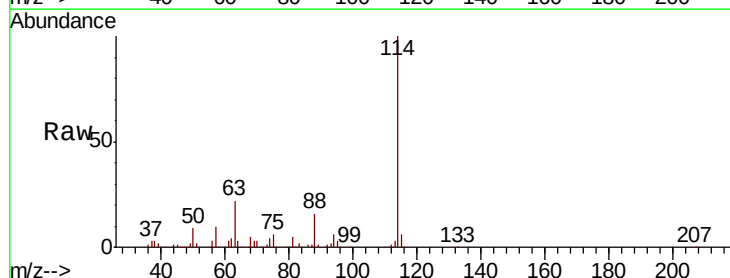
Instrument :
 MSVOA_N
 ClientSampled :
 30474DL

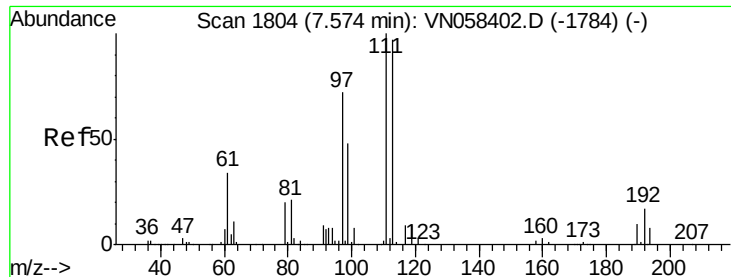
Tot Ion: 65 Resp: 269909
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Tgt Ion: 114 Resp: 626941
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.541 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

30474DL

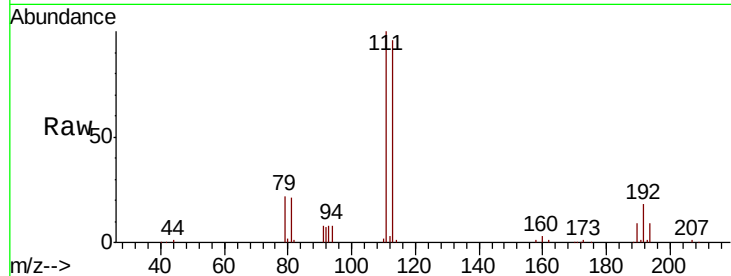
Tot Ion:113 Resp: 182674

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.2

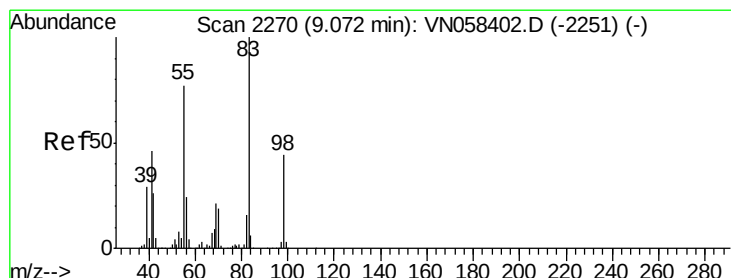
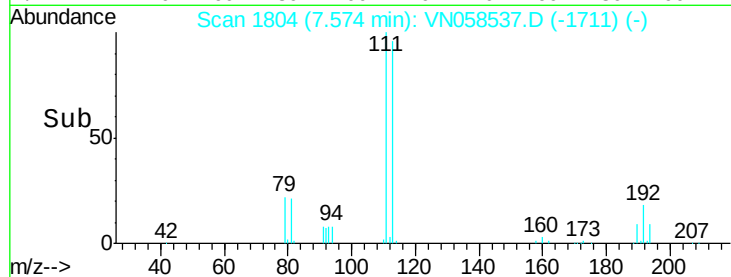
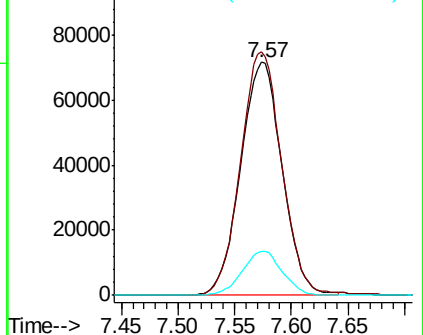
192 18.3 14.9 22.3



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

Methylcyclohexane

Concen: 0.556 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

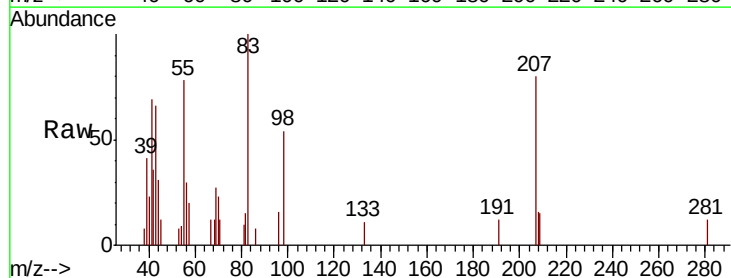
Tgt Ion: 83 Resp: 3895

Ion Ratio Lower Upper

83 100

55 69.8 61.8 92.6

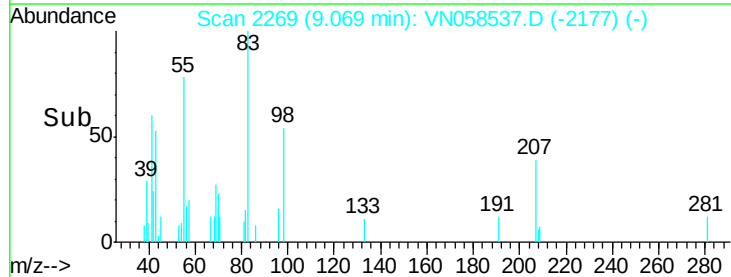
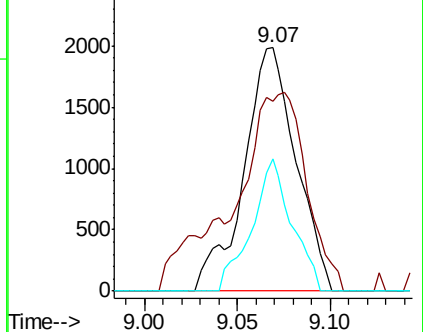
98 54.1 35.4 53.0#

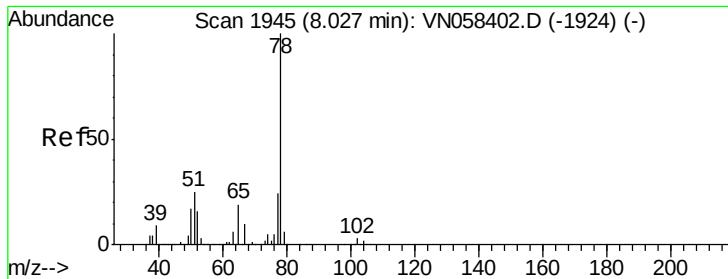


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 5.027 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

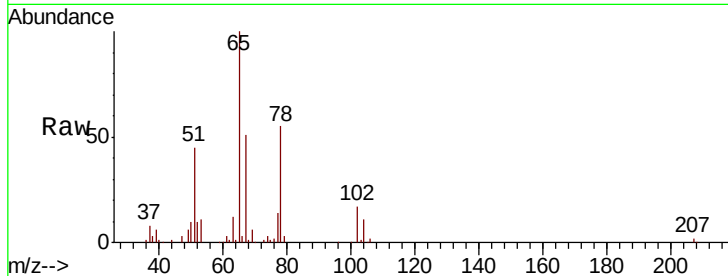
30474DL

Tot Ion: 78 Resp: 86622

Ion Ratio Lower Upper

78 100

77 25.2 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.03

40000

30000

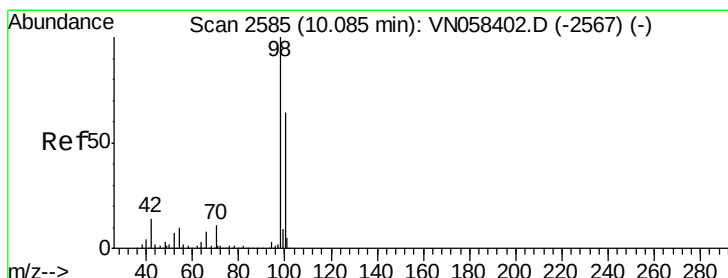
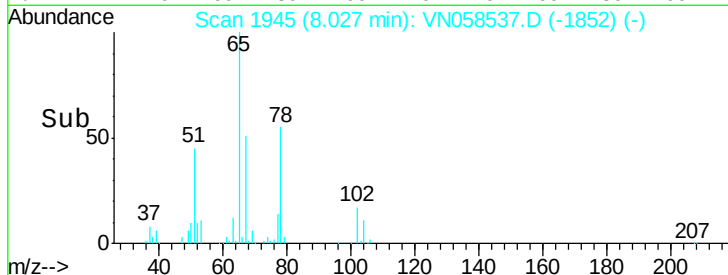
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#50

Toluene-d8

Concen: 49.970 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058537.D

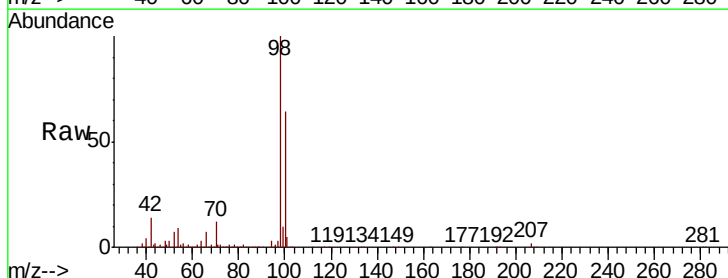
Acq: 4 Oct 2019 13:59

Tgt Ion: 98 Resp: 752180

Ion Ratio Lower Upper

98 100

100 63.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.08

400000

300000

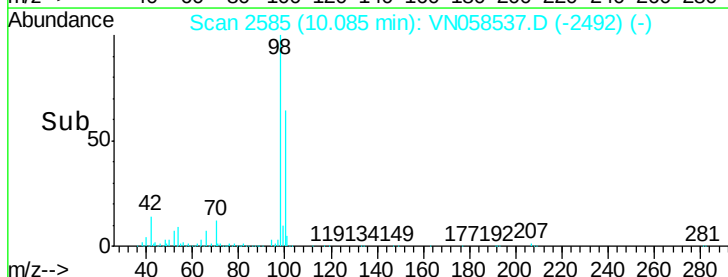
200000

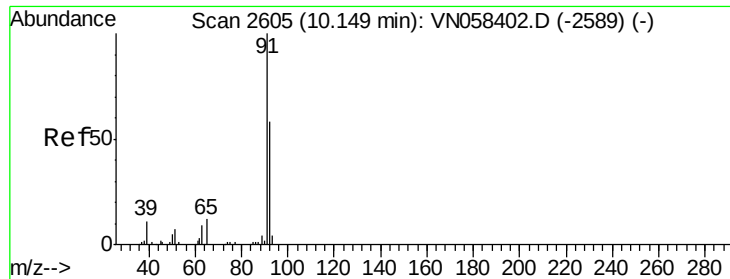
100000

0

10.00 10.10 10.20

Time-->





#52

Toluene

Concen: 49.270 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

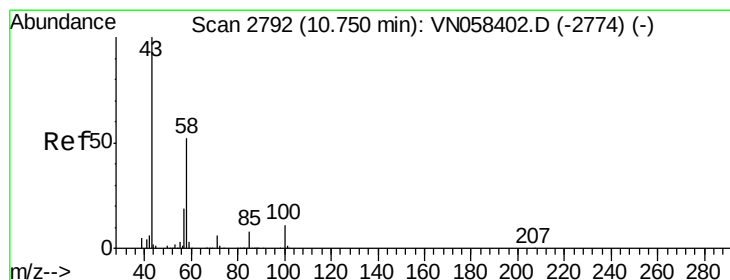
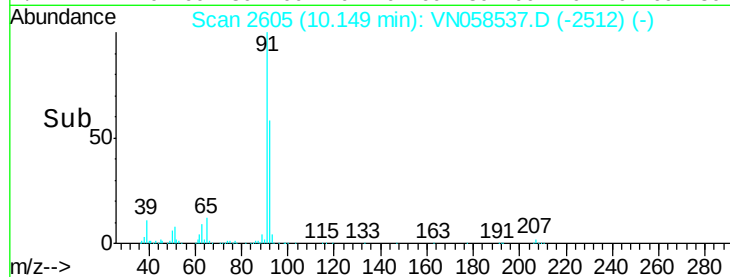
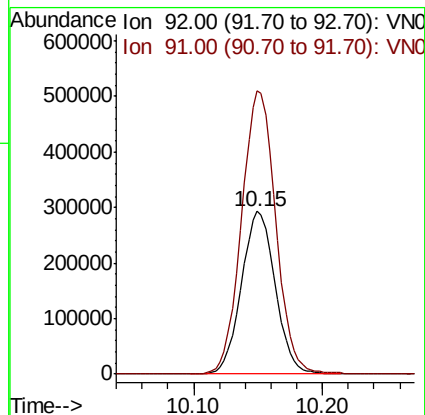
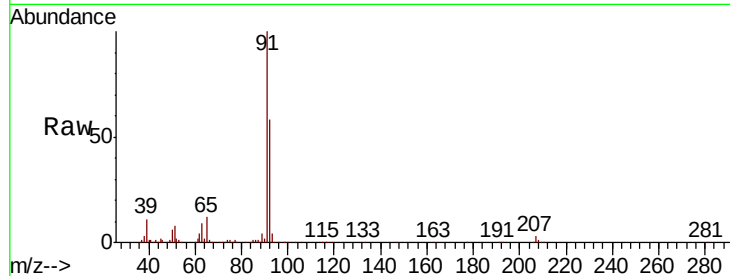
30474DL

Tot Ion: 92 Resp: 534394

Ion Ratio Lower Upper

92 100

91 176.4 140.2 210.4



#59

2-Hexanone

Concen: 2.208 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN058537.D

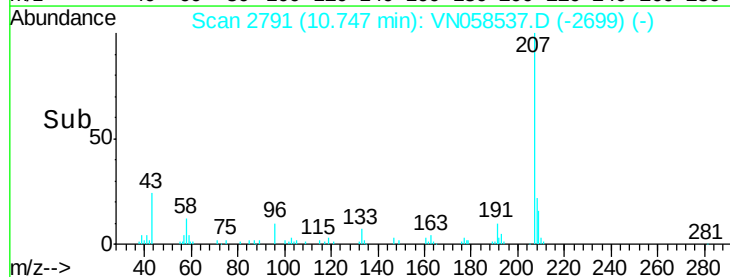
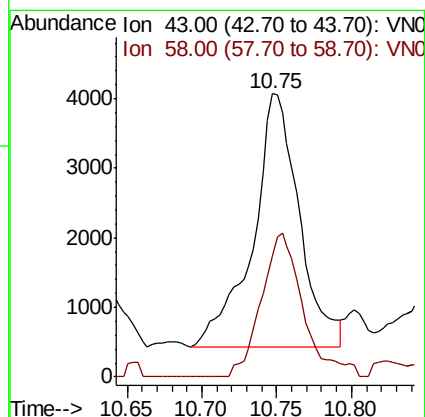
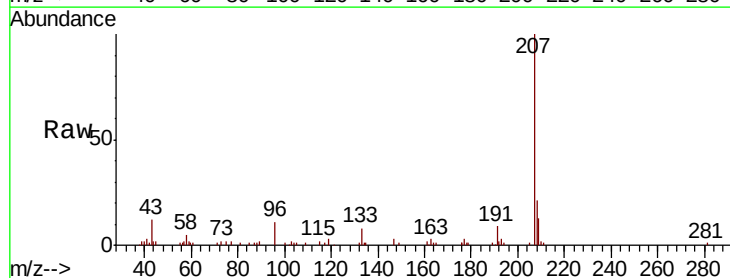
Acq: 4 Oct 2019 13:59

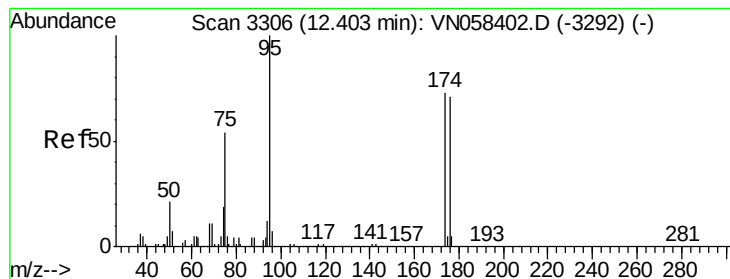
Tgt Ion: 43 Resp: 7892

Ion Ratio Lower Upper

43 100

58 50.6 25.8 77.3





#62

4-Bromofluorobenzene

Concen: 46.755 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

30474DL

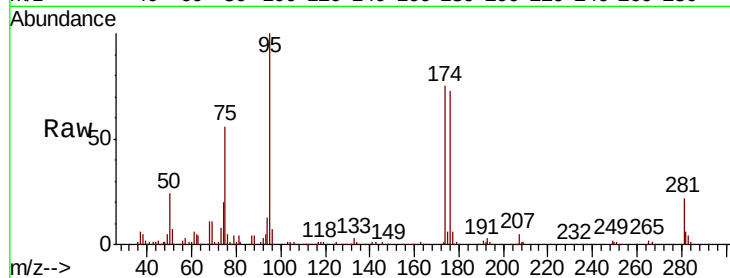
Tot Ion: 95 Resp: 254476

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.6

176 73.9 0.0 146.2

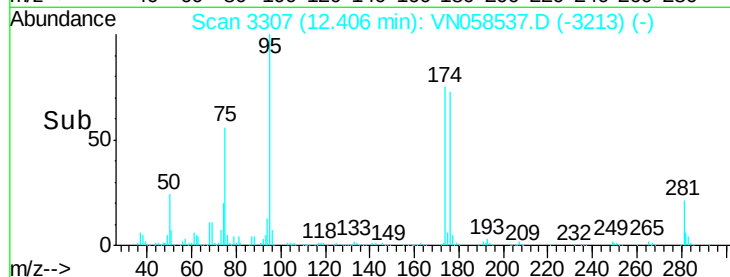


Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

Time-->

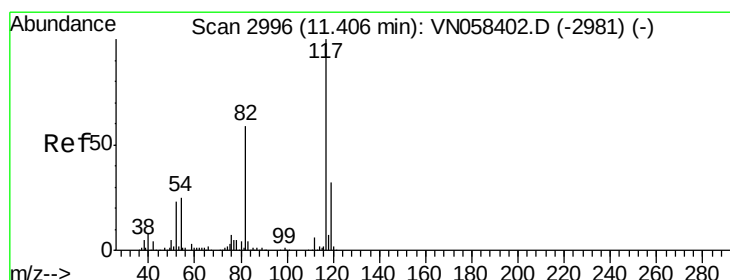


Abundance Ion 94.90 (94.60 to 95.60): VN058537.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058537.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058537.D (-3213) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

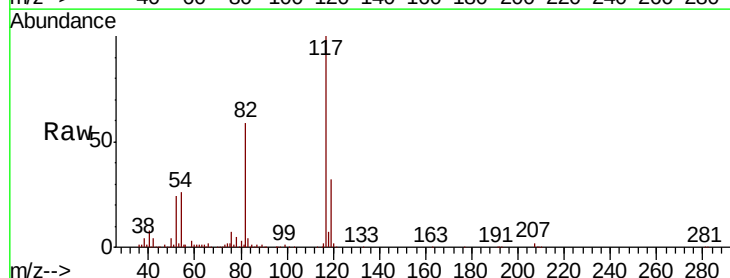
Tgt Ion: 117 Resp: 545411

Ion Ratio Lower Upper

117 100

82 58.6 47.4 71.0

119 32.2 25.5 38.3

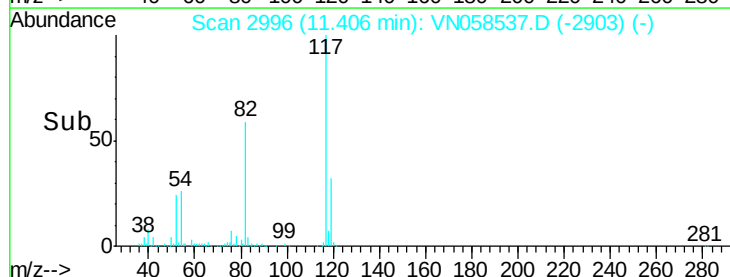


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

Time-->

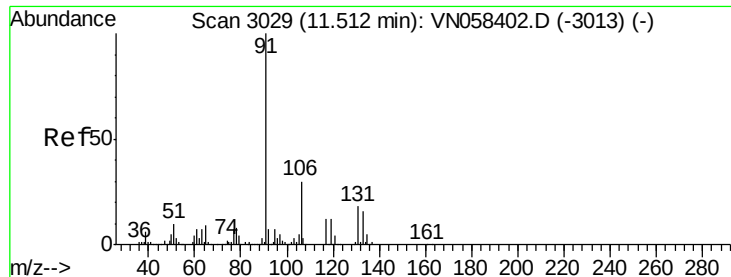


Abundance Ion 116.90 (116.60 to 117.60): VN058537.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058537.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058537.D (-2903) (-)

Time-->



#67

Ethyl Benzene

Concen: 10.003 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampled :

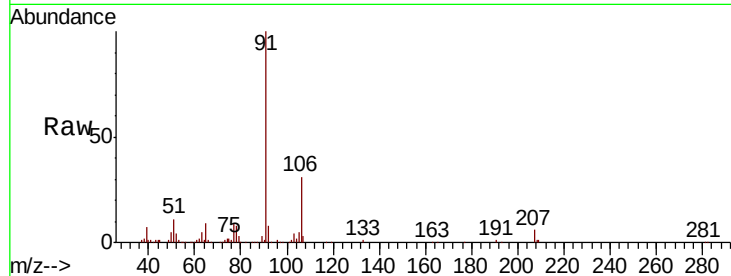
30474DL

Tot Ion: 91 Resp: 196436

Ion Ratio Lower Upper

91 100

106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN058402.D (-3013) (-)

300000

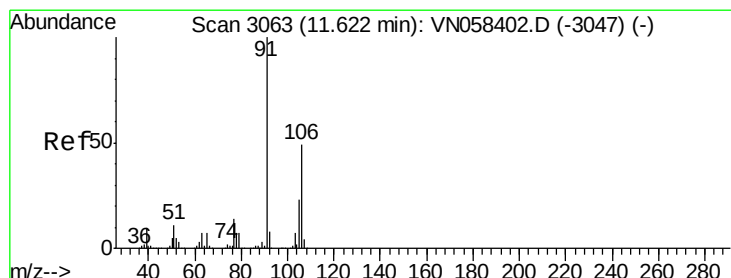
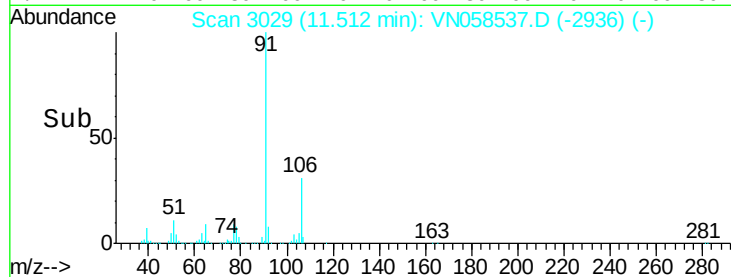
200000

100000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 38.926 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058537.D

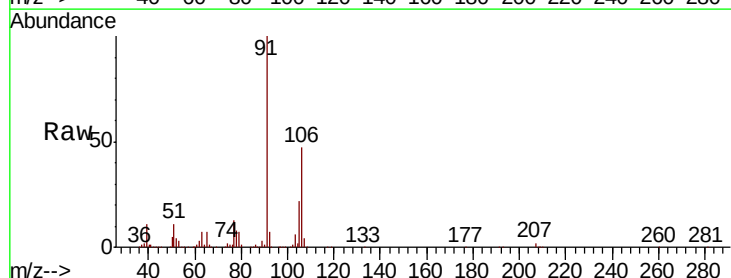
Acq: 4 Oct 2019 13:59

Tgt Ion: 106 Resp: 287593

Ion Ratio Lower Upper

106 100

91 210.9 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN058402.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN058402.D (-3047) (-)

300000

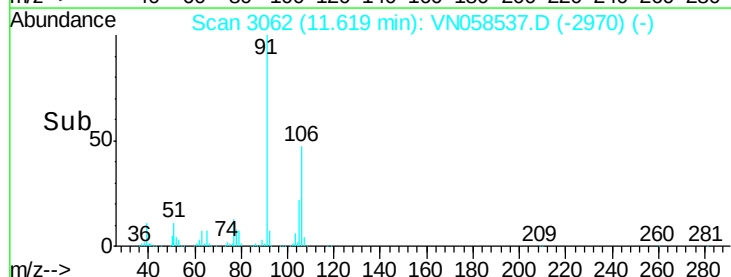
200000

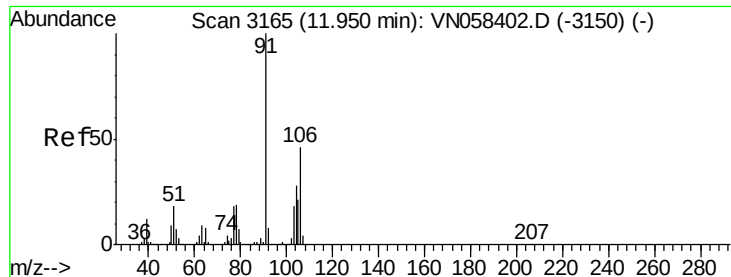
100000

0

11.50 11.60 11.70

Time-->





#69

o-Xylene

Concen: 26.199 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampled :

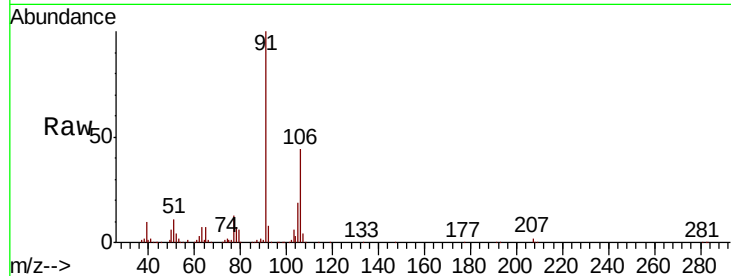
30474DL

Tot Ion:106 Resp: 186331

Ion Ratio Lower Upper

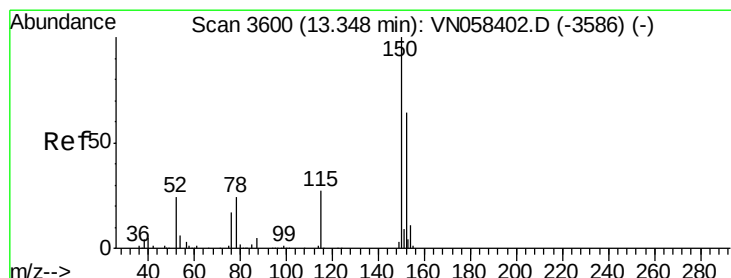
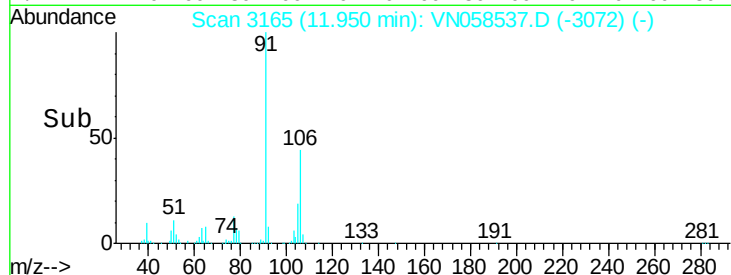
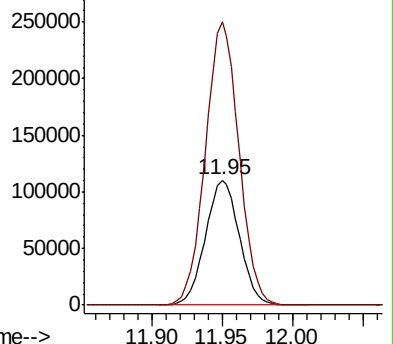
106 100

91 223.6 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

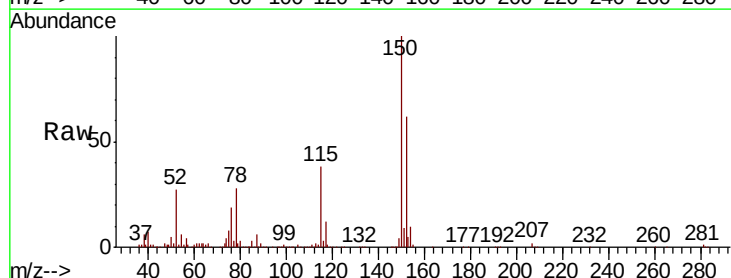
Tgt Ion:152 Resp: 232048

Ion Ratio Lower Upper

152 100

115 64.8 30.0 90.0

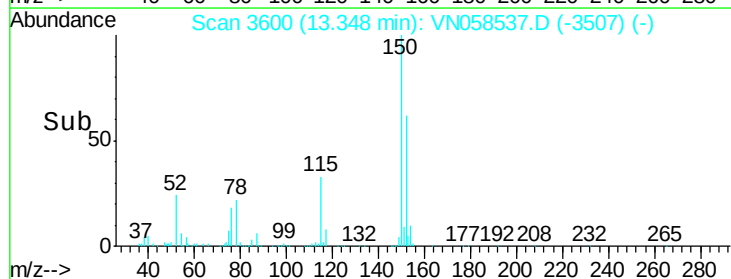
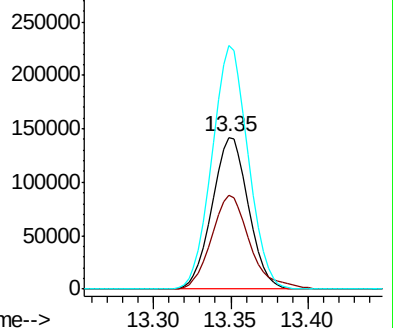
150 159.9 0.0 348.2

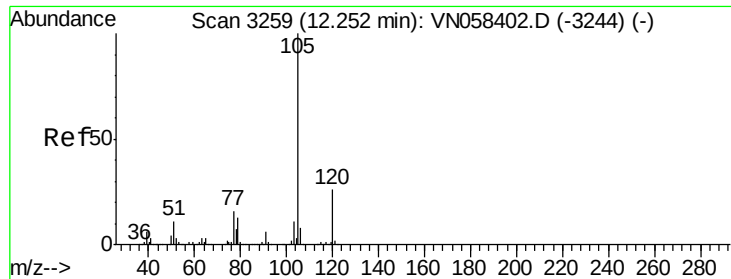


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.870 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

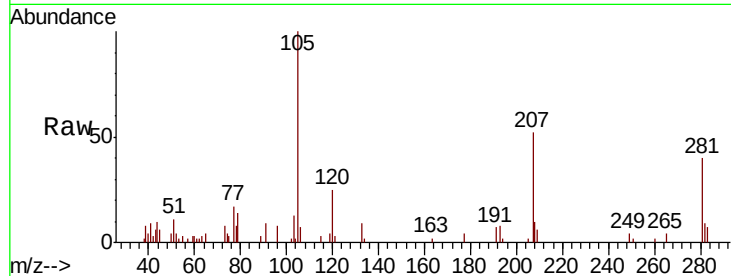
30474DL

Tot Ion:105 Resp: 14927

Ion Ratio Lower Upper

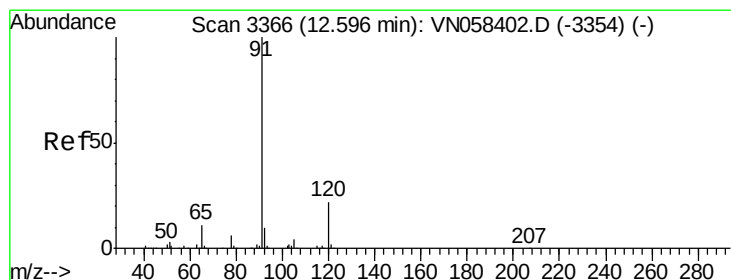
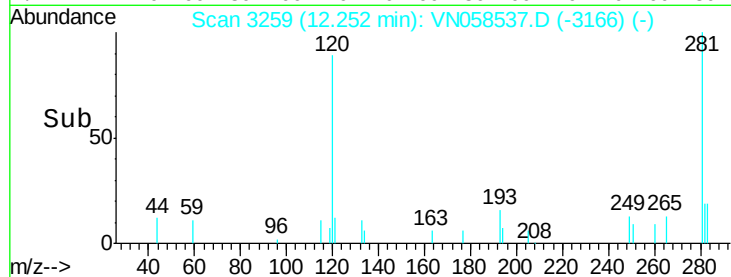
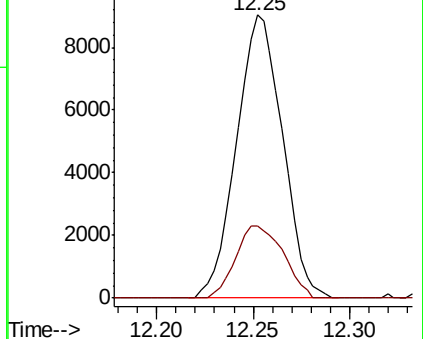
105 100

120 26.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 2.754 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058537.D

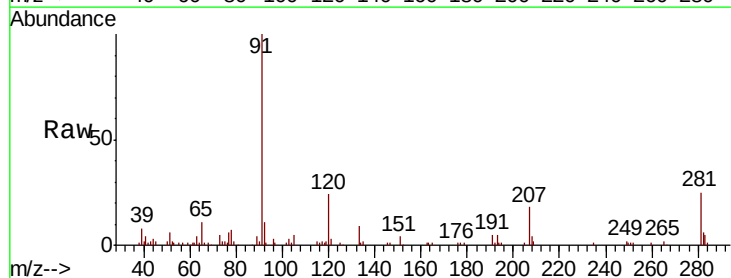
Acq: 4 Oct 2019 13:59

Tgt Ion: 91 Resp: 53212

Ion Ratio Lower Upper

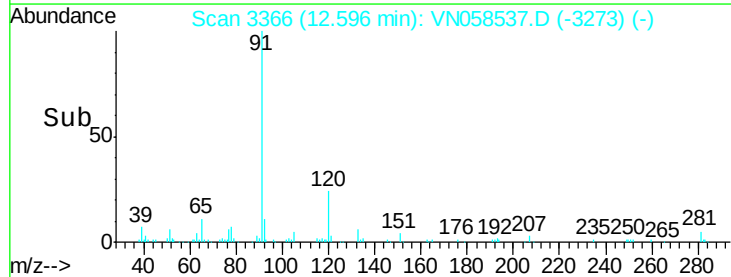
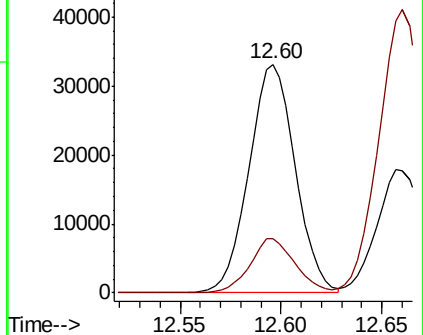
91 100

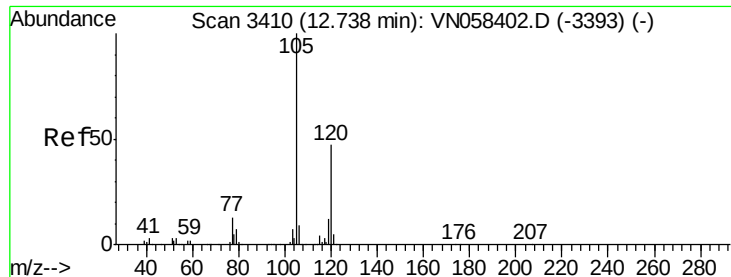
120 23.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

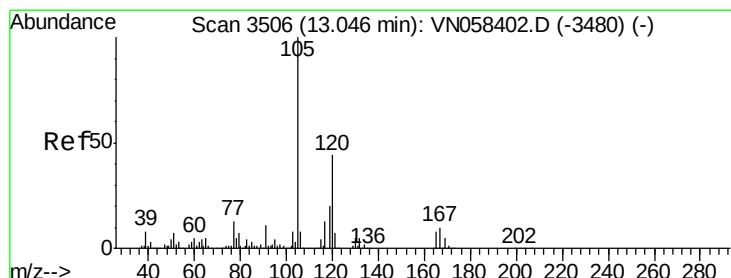
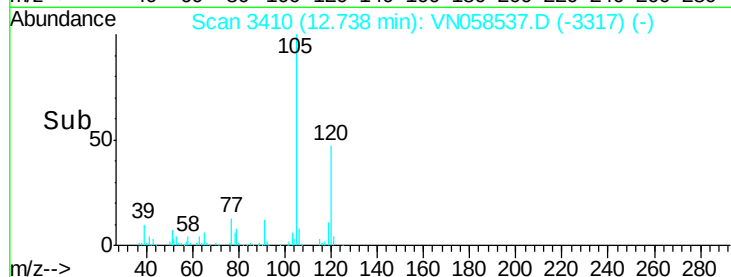
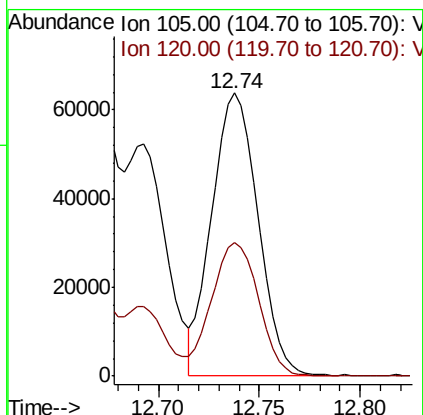
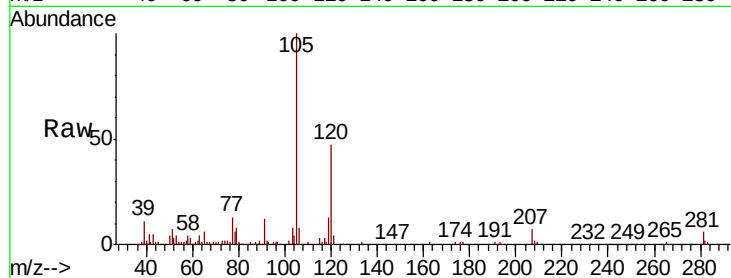




#80
 1,3,5-Trimethylbenzene
 Concen: 7.045 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

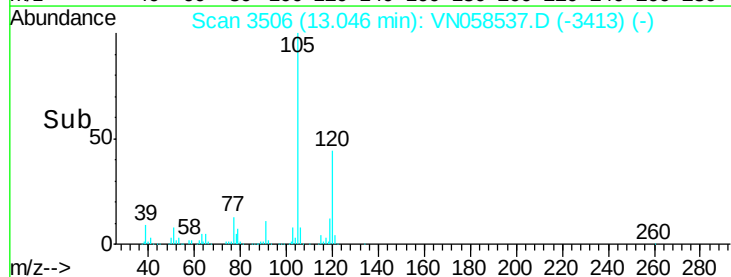
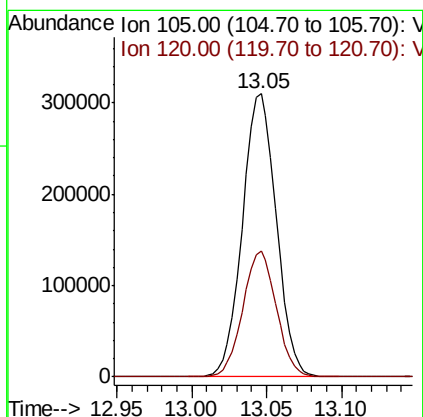
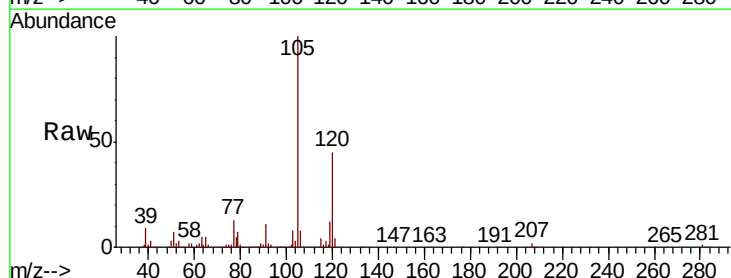
Instrument :
 MSVOA_N
 ClientSampleId :
 30474DL

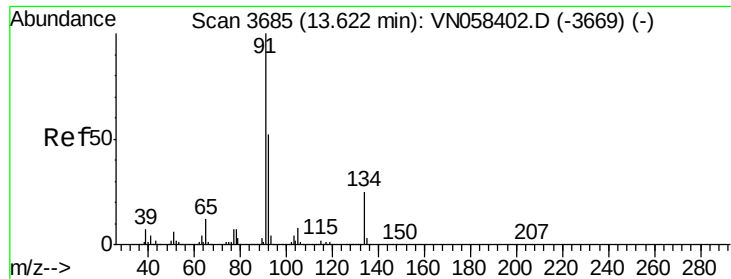
Tot Ion:105 Resp: 101138
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.5 70.6



#84
 1,2,4-Trimethylbenzene
 Concen: 34.051 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058537.D
 Acq: 4 Oct 2019 13:59

Tgt Ion:105 Resp: 489753
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.7 65.1





#89

n-Butylbenzene

Concen: 0.527 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

Instrument :

MSVOA_N

ClientSampleId :

30474DL

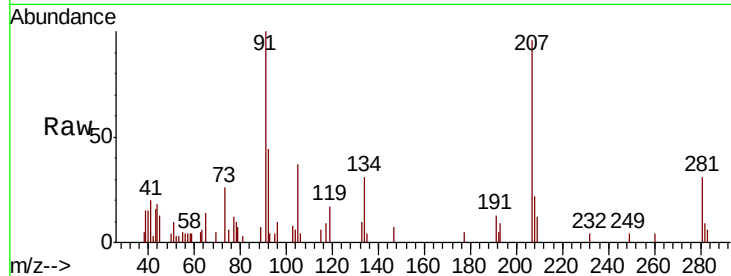
Tot Ion: 91 Resp: 6695

Ion Ratio Lower Upper

91 100

92 61.5 25.7 77.1

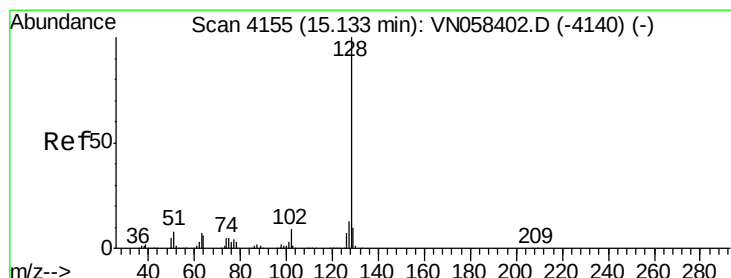
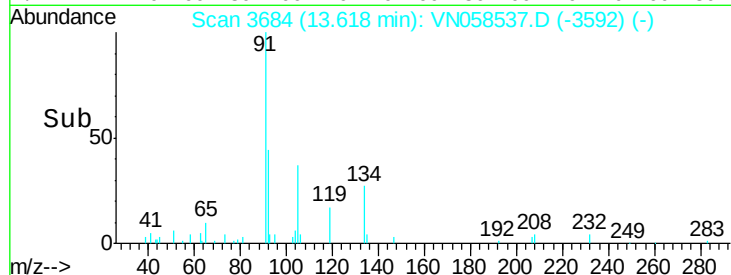
134 0.0 12.2 36.6#



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058402.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058402.D (-3669) (-)



#95

Naphthalene

Concen: 20.005 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058537.D

Acq: 4 Oct 2019 13:59

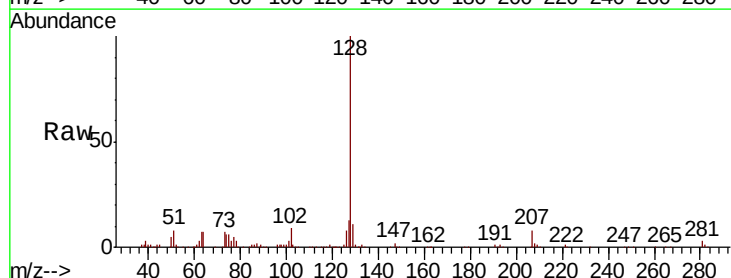
Tgt Ion: 128 Resp: 227000

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): VN058402.D (-4140) (-)

Ion 127.00 (126.70 to 127.70): VN058402.D (-4140) (-)

Ion 129.00 (128.70 to 129.70): VN058402.D (-4140) (-)

