

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057945.D
 Acq On : 11 Sep 2019 23:29
 Operator : JC/SP
 Sample : K4836-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Sep 12 03:51:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	280696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	477415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	431030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232446	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	315107	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	
35) Dibromofluoromethane	7.57	113	215255	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	10.09	98	848386	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.41	95	293490	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

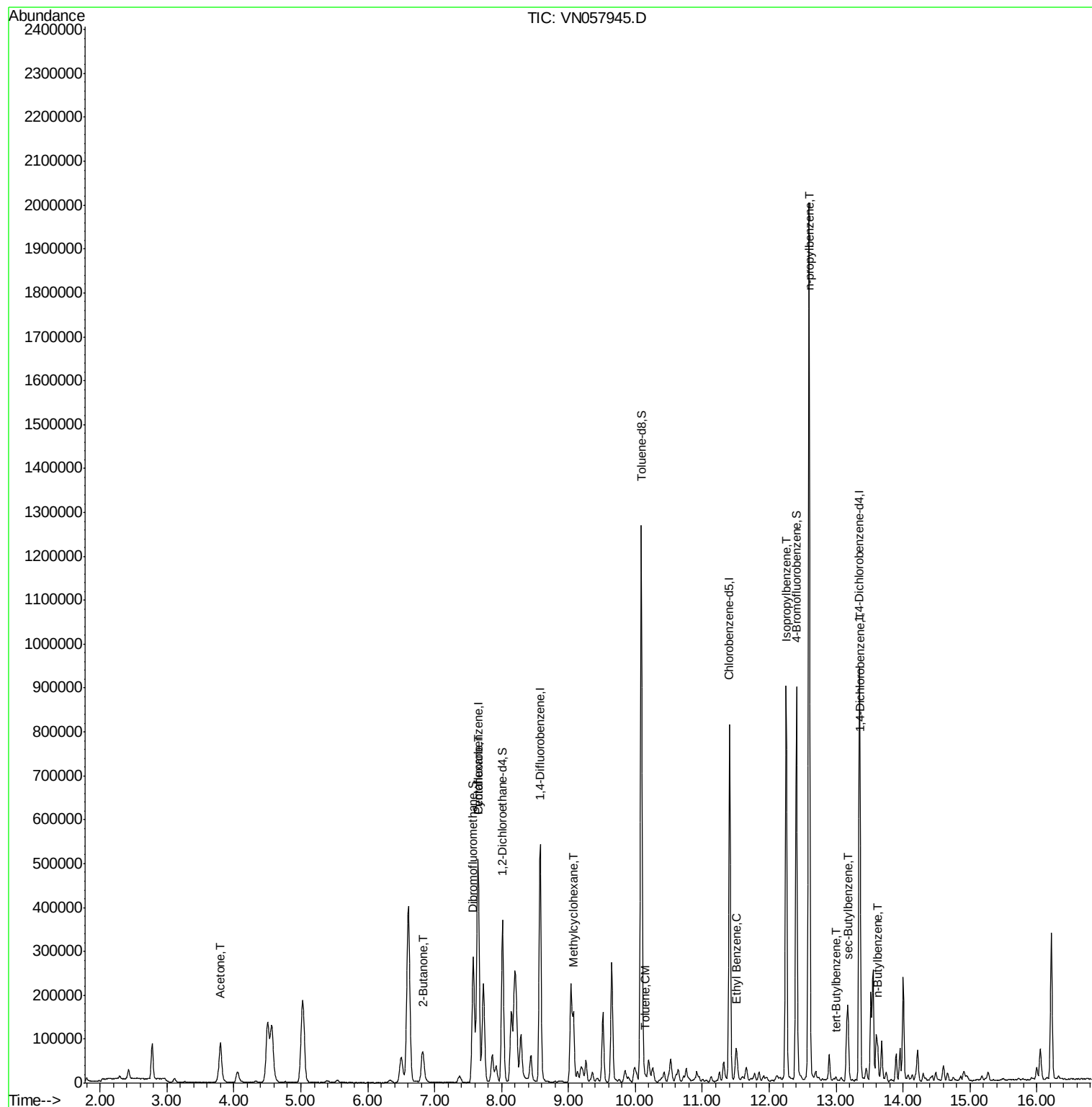
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	151219	81.138	ug/l	99
25) 2-Butanone	6.82	43	129176	47.888	ug/l	92
31) Cyclohexane	7.64	56	109496	20.095	ug/l	96
39) Methylcyclohexane	9.07	83	68885	11.835	ug/l	90
52) Toluene	10.16	92	3858	0.367	ug/l	91
67) Ethyl Benzene	11.51	91	31679	1.602	ug/l	97
73) Isopropylbenzene	12.25	105	574810	31.868	ug/l	99
78) n-propylbenzene	12.60	91	1562348	75.432	ug/l	99
83) tert-Butylbenzene	13.00	119	3927	0.290	ug/l #	78
85) sec-Butylbenzene	13.18	105	103115	5.743	ug/l #	70
88) 1,4-Dichlorobenzene	13.37	146	5509	0.658	ug/l #	66
89) n-Butylbenzene	13.62	91	51505	3.447	ug/l #	76

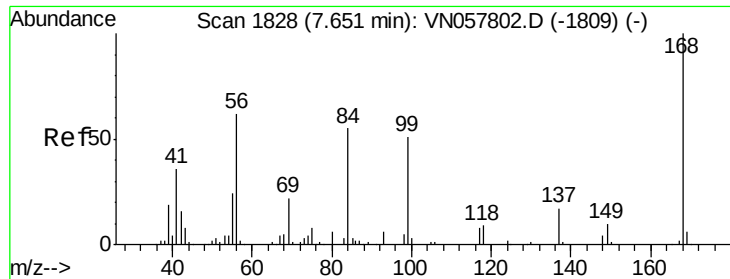
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_N

ClientSampled :

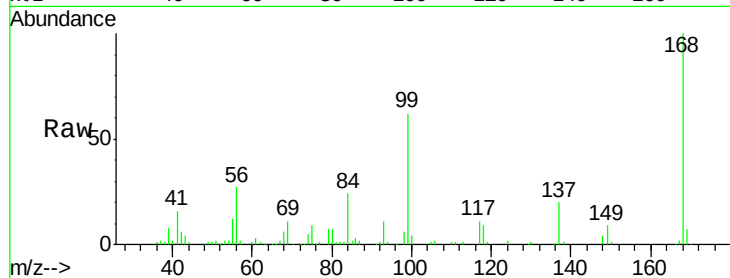
MW-2

Tot Ion:168 Resp: 280696

Ion Ratio Lower Upper

168 100

99 62.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

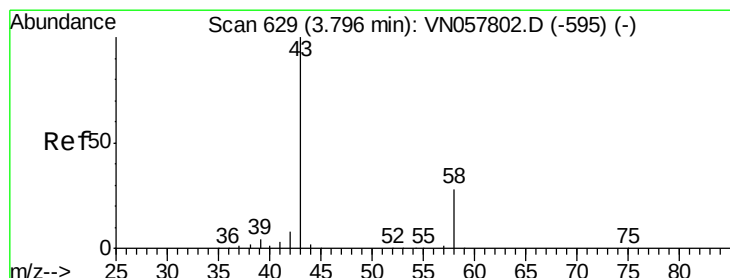
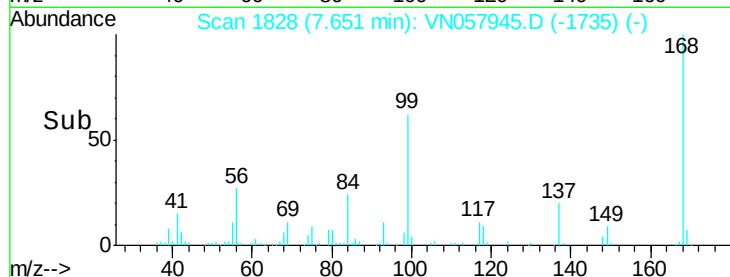
7.65

100000

50000

0

Time-->



#16

Acetone

Concen: 81.138 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057945.D

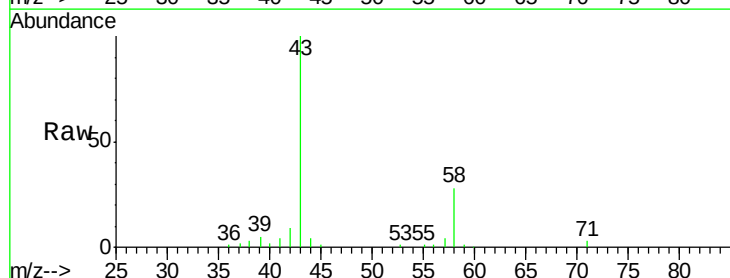
Acq: 11 Sep 2019 23:29

Tgt Ion: 43 Resp: 151219

Ion Ratio Lower Upper

43 100

58 28.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

60000

50000

40000

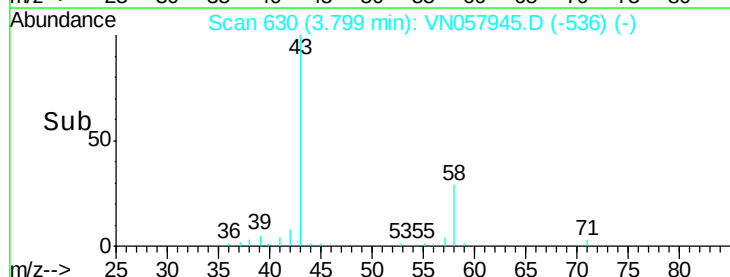
30000

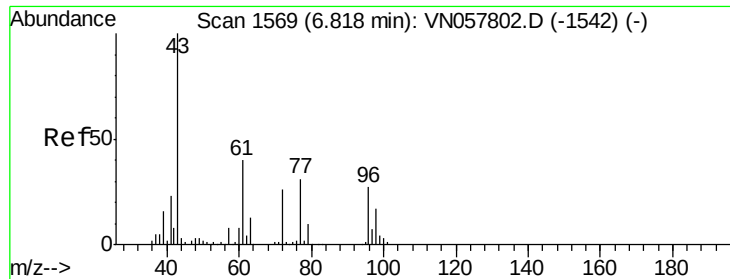
20000

10000

0

Time-->





#25

2-Butanone

Concen: 47.888 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

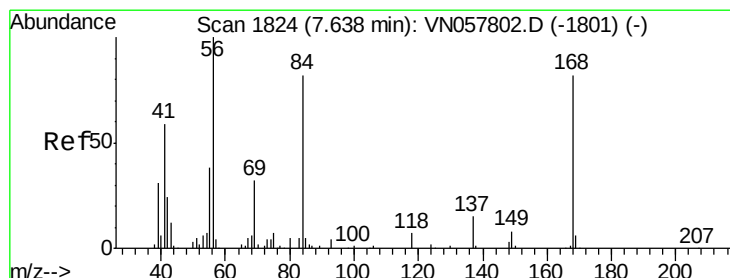
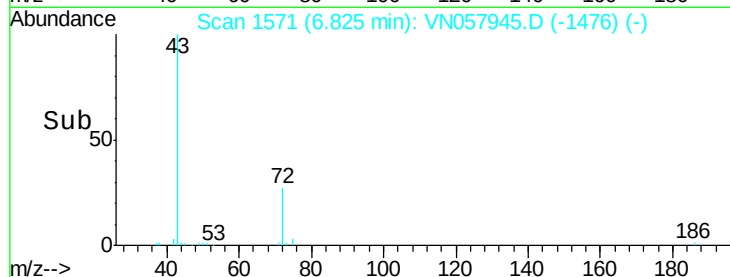
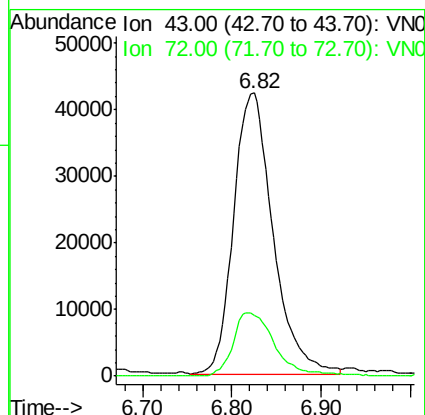
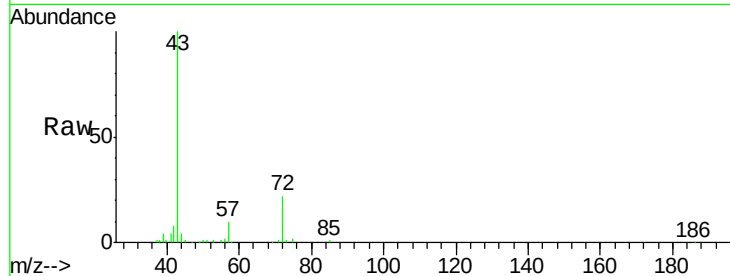
MW-2

Tot Ion: 43 Resp: 129176

Ion Ratio Lower Upper

43 100

72 21.8 20.6 30.8



#31

Cyclohexane

Concen: 20.095 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

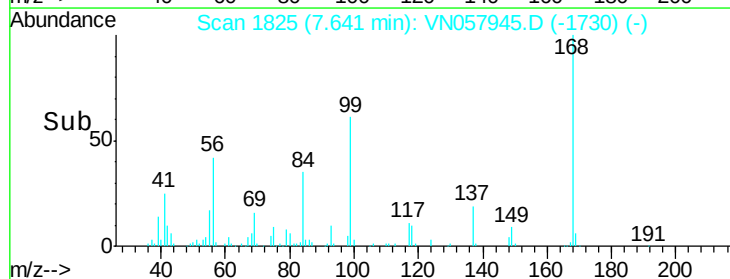
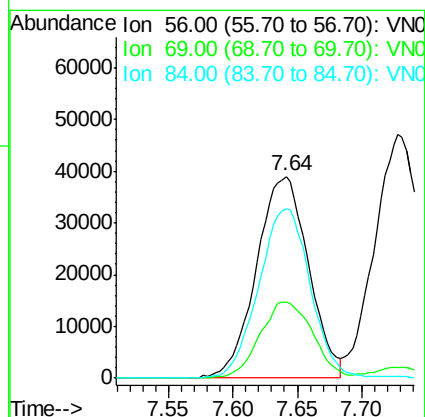
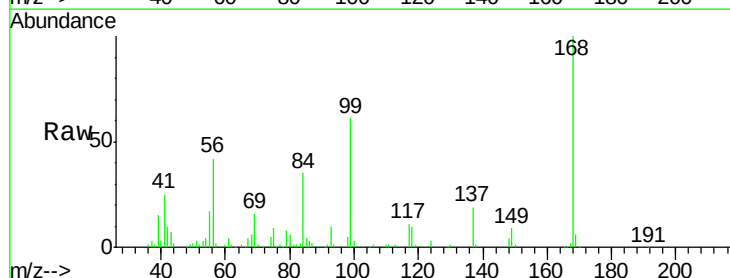
Tgt Ion: 56 Resp: 109496

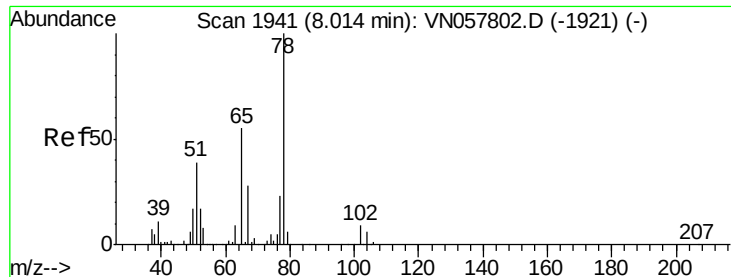
Ion Ratio Lower Upper

56 100

69 37.6 25.9 38.9

84 84.3 65.6 98.4

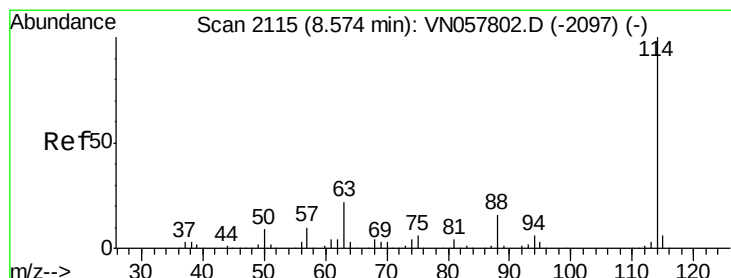
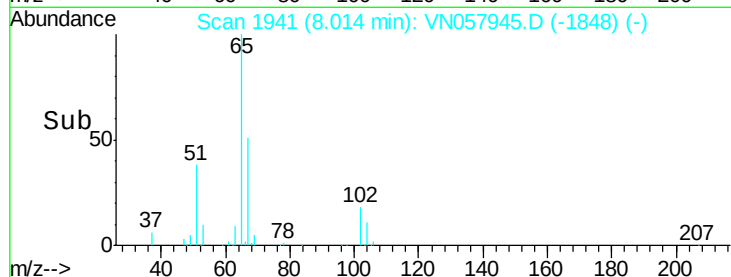
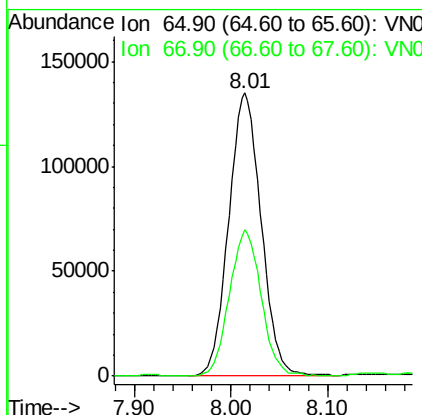
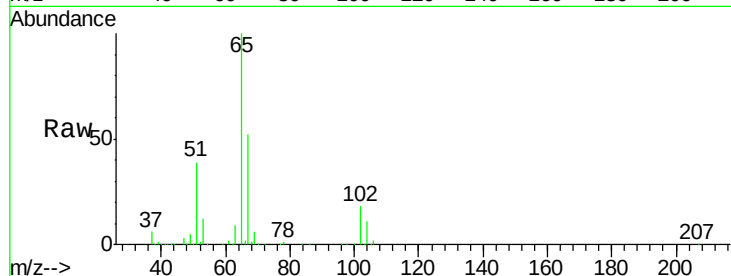




#33
 1,2-Dichloroethane-d4
 Concen: 55.425 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057945.D
 Acq: 11 Sep 2019 23:29

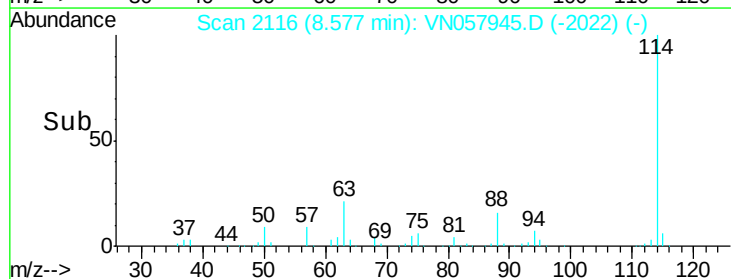
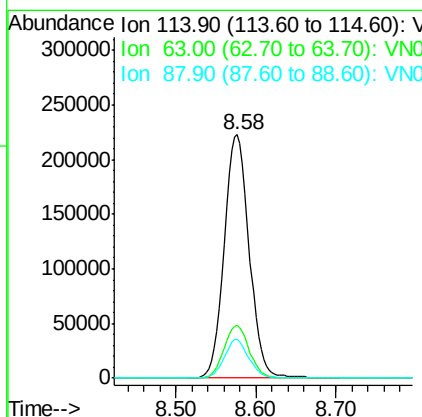
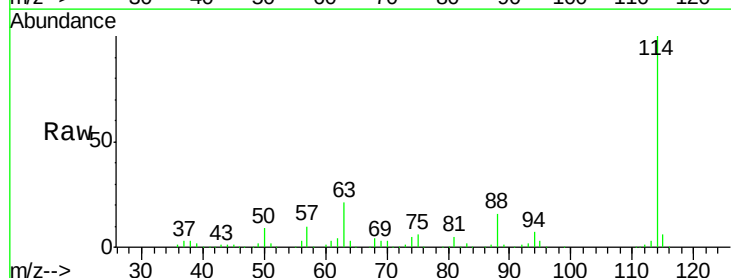
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

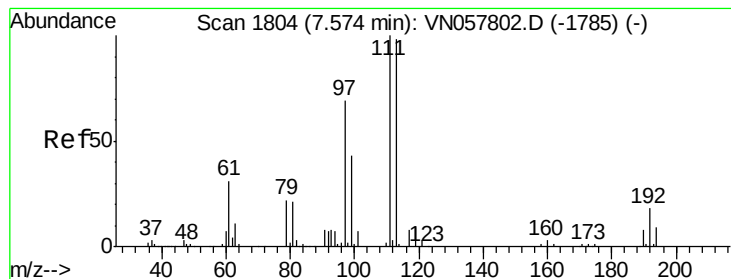
Tot Ion: 65 Resp: 315107
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057945.D
 Acq: 11 Sep 2019 23:29

Tgt Ion: 114 Resp: 477415
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.0
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.851 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

MW-2

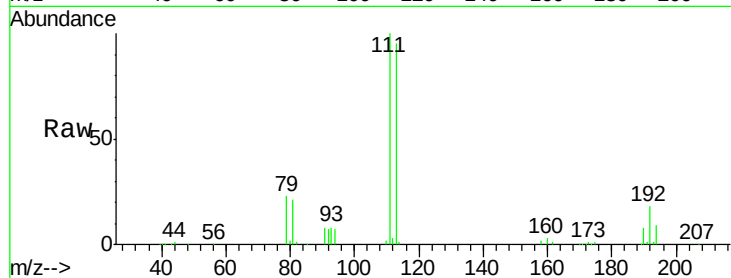
Tot Ion:113 Resp: 215255

Ion Ratio Lower Upper

113 100

111 100.1 81.3 121.9

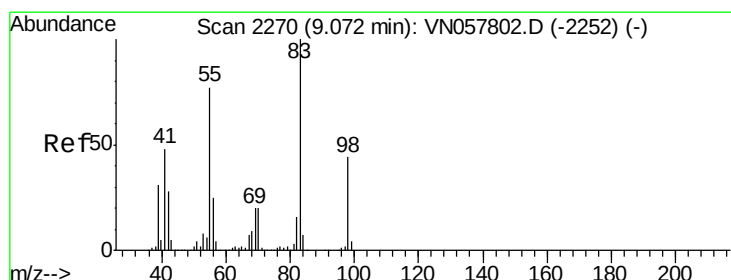
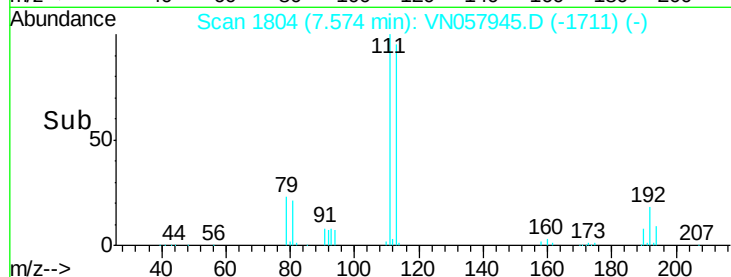
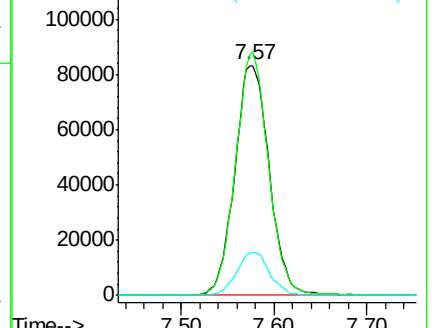
192 17.9 14.6 22.0



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: 11.835 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

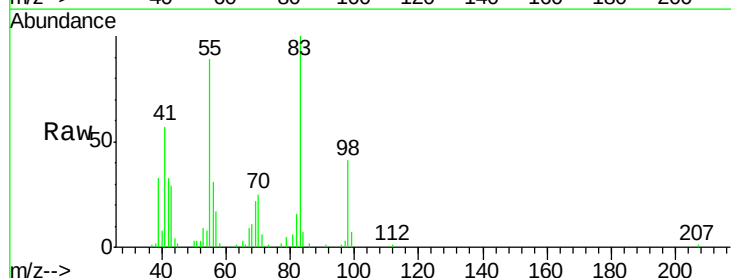
Tgt Ion: 83 Resp: 68885

Ion Ratio Lower Upper

83 100

55 88.1 61.6 92.4

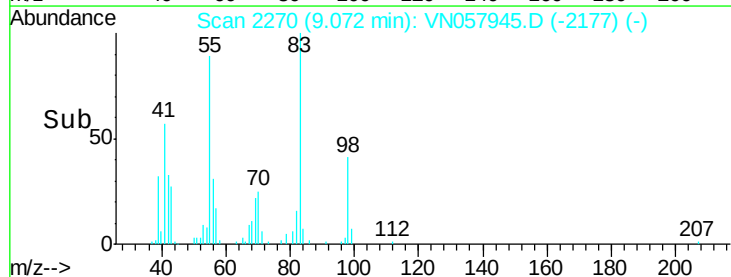
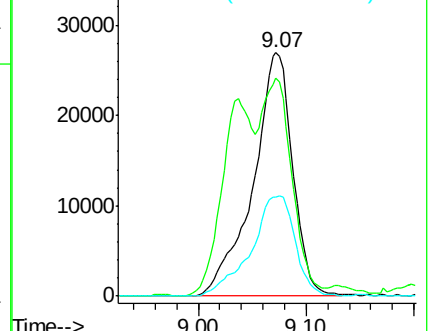
98 40.9 34.9 52.3

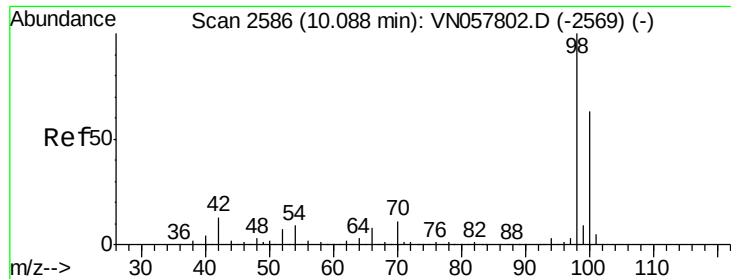


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

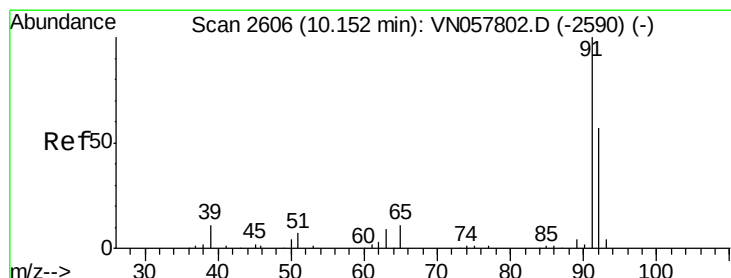
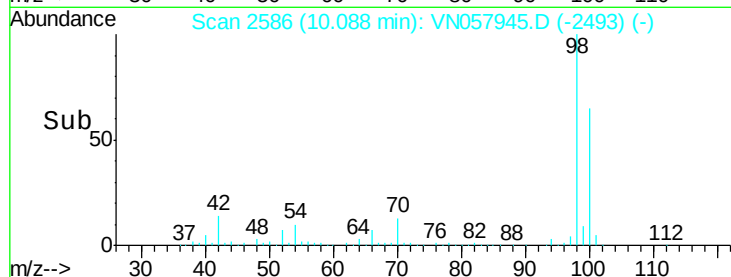
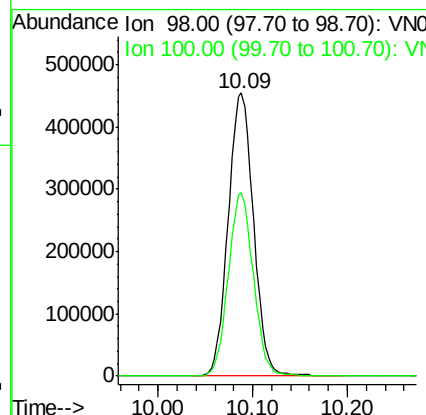
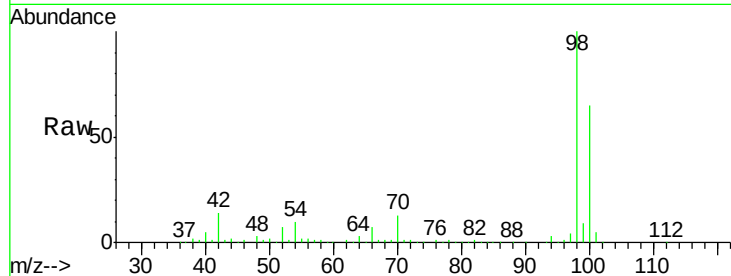




#50
Toluene-d8
Concen: 49.591 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057945.D
Acq: 11 Sep 2019 23:29

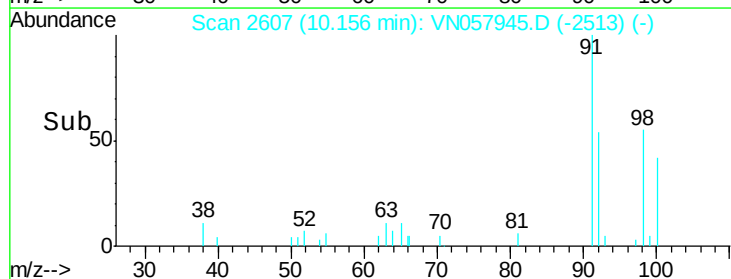
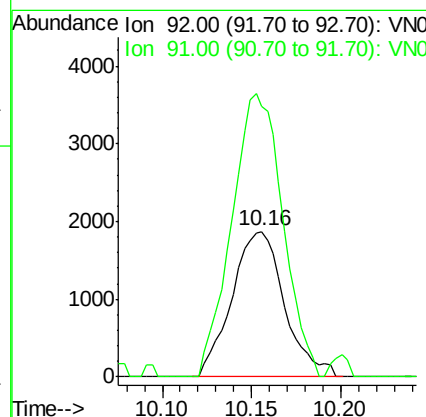
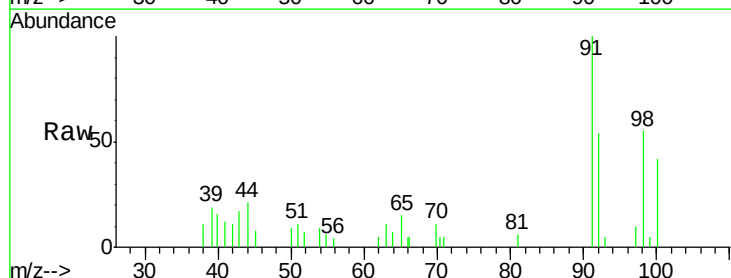
Instrument :
MSVOA_N
ClientSampled :
MW-2

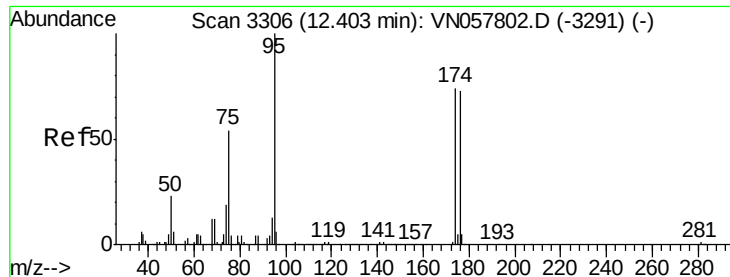
Tot Ion: 98 Resp: 848386
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5



#52
Toluene
Concen: 0.367 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN057945.D
Acq: 11 Sep 2019 23:29

Tgt Ion: 92 Resp: 3858
Ion Ratio Lower Upper
92 100
91 188.4 141.0 211.6





#62

4-Bromofluorobenzene

Concen: 45.017 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_N

ClientSampled :

MW-2

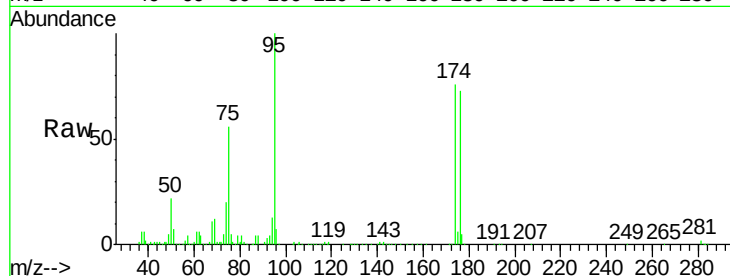
Tot Ion: 95 Resp: 293490

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.2

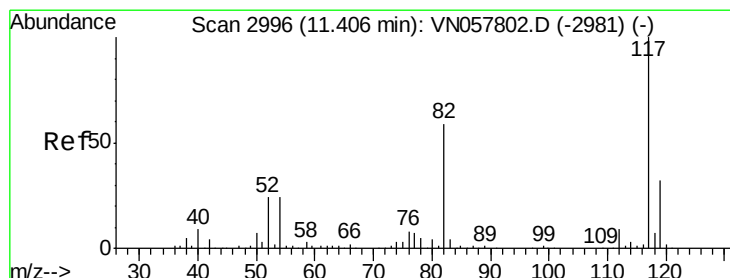
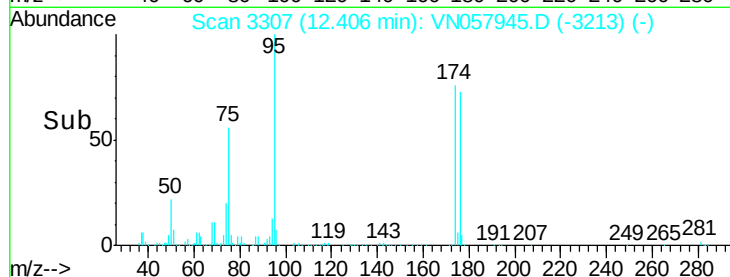
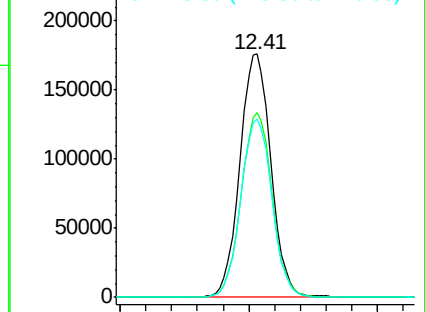
176 73.7 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

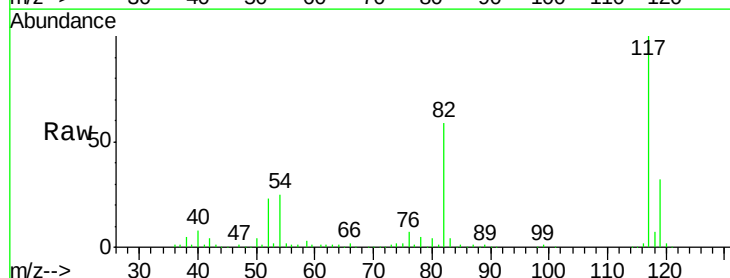
Tgt Ion: 117 Resp: 431030

Ion Ratio Lower Upper

117 100

82 59.4 47.2 70.8

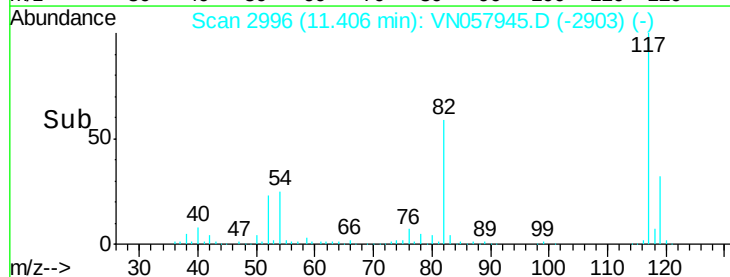
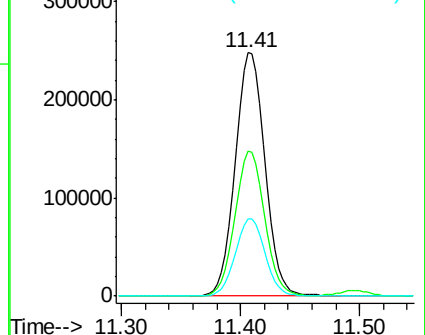
119 31.6 25.3 37.9

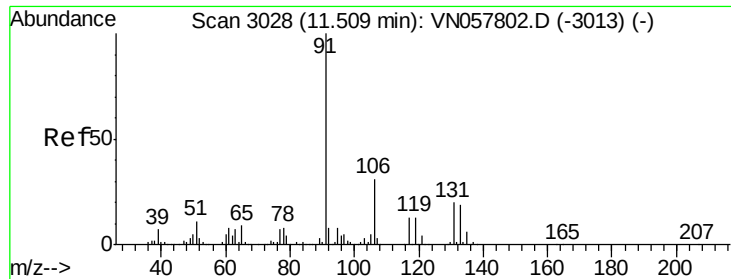


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)





#67

Ethyl Benzene

Concen: 1.602 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_N

ClientSampled :

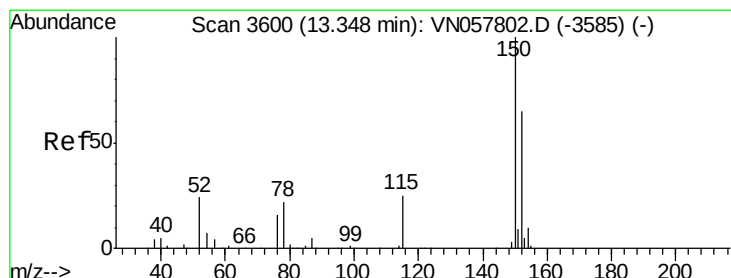
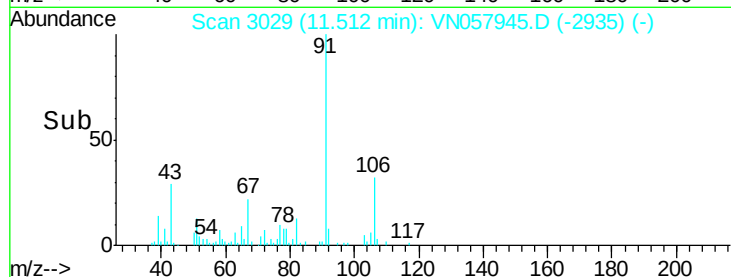
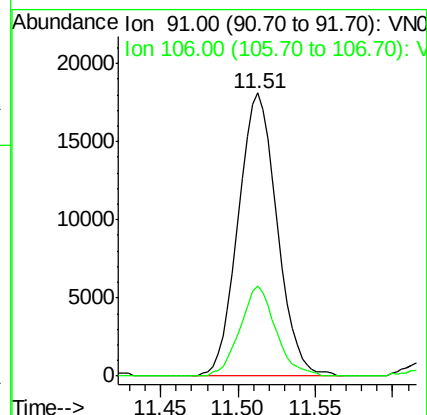
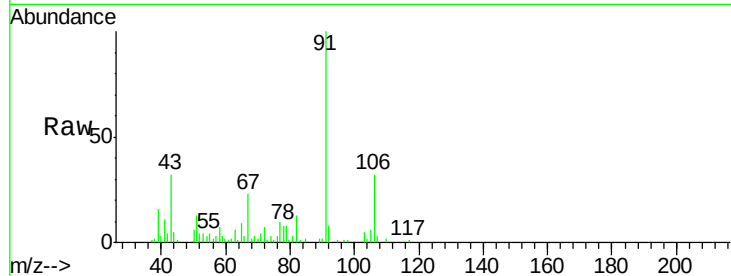
MW-2

Tot Ion: 91 Resp: 31679

Ion Ratio Lower Upper

91 100

106 32.0 24.4 36.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

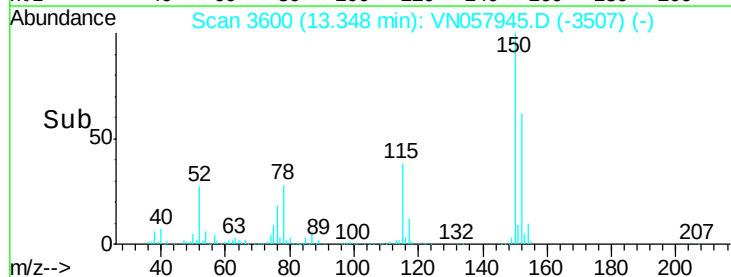
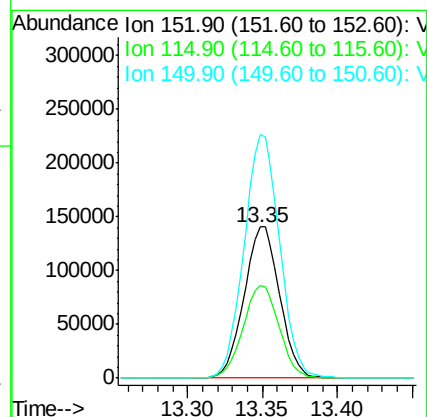
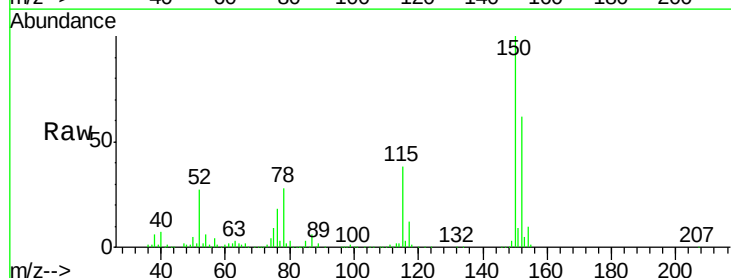
Tgt Ion: 152 Resp: 232446

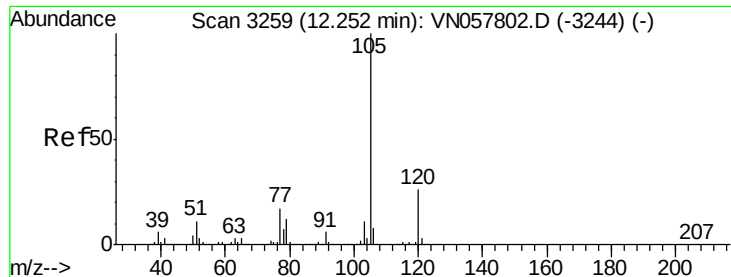
Ion Ratio Lower Upper

152 100

115 62.1 30.3 91.0

150 161.5 0.0 352.4





#73

Isopropylbenzene

Concen: 31.868 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057945.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_N

ClientSampled :

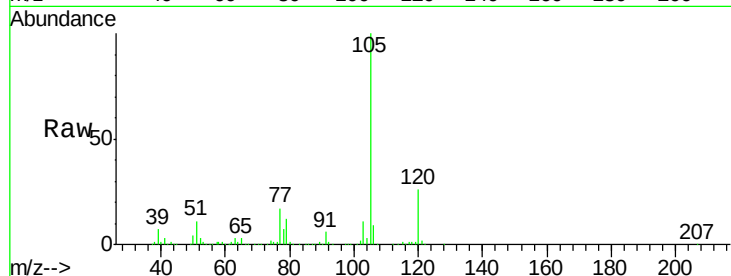
MW-2

Tot Ion:105 Resp: 574810

Ion Ratio Lower Upper

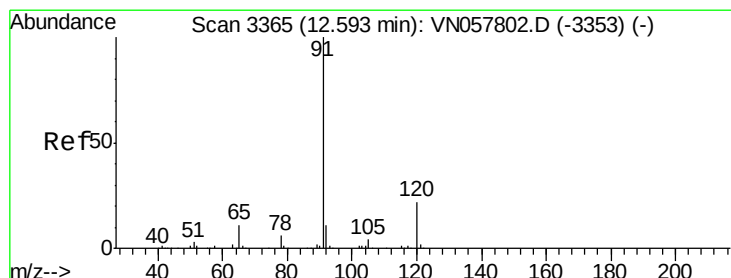
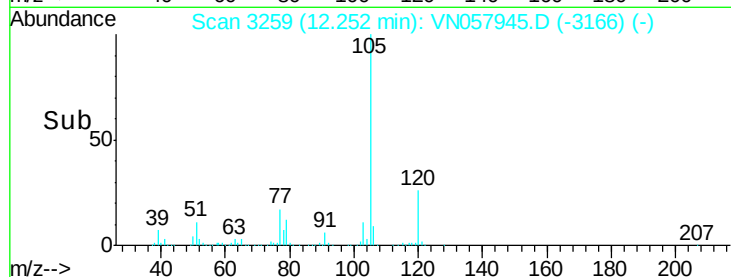
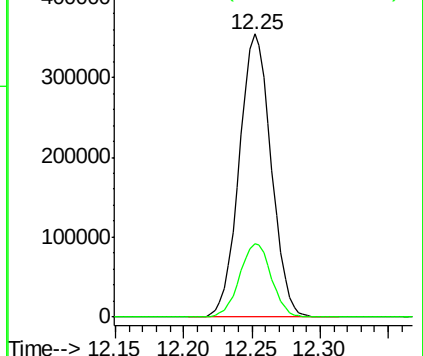
105 100

120 26.0 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: 75.432 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057945.D

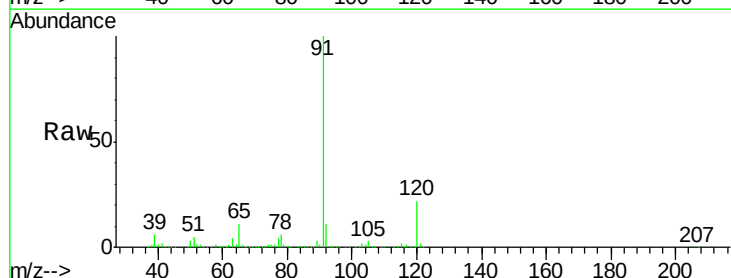
Acq: 11 Sep 2019 23:29

Tgt Ion: 91 Resp: 1562348

Ion Ratio Lower Upper

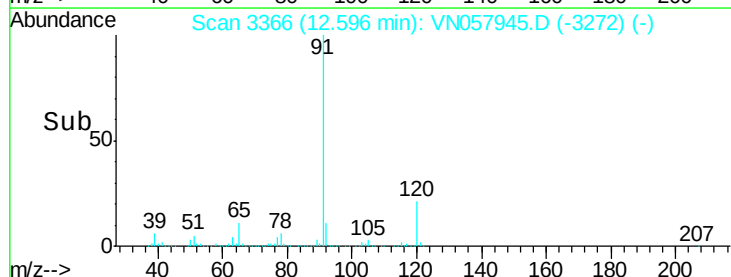
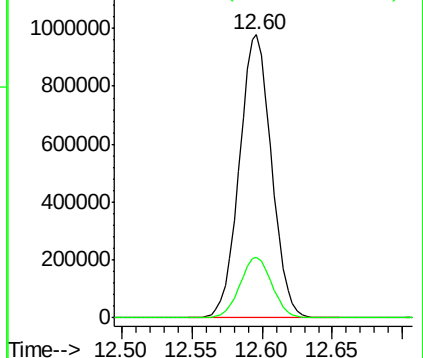
91 100

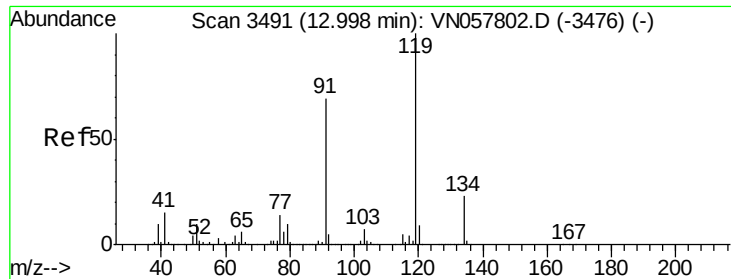
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

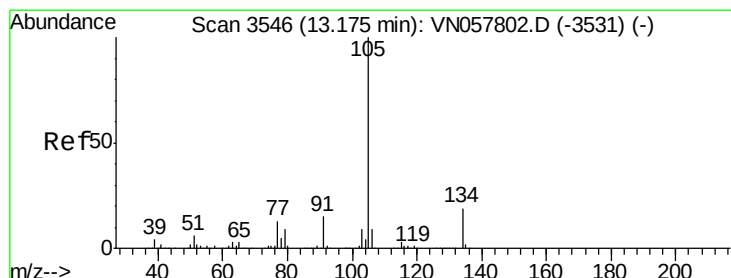
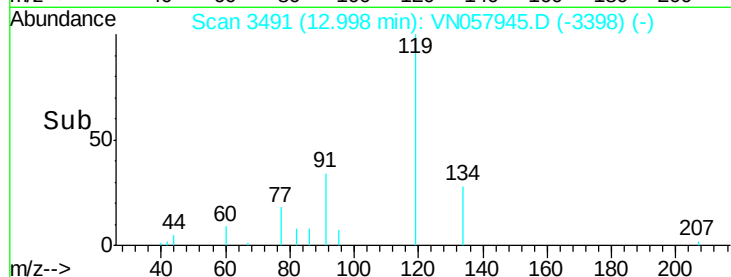
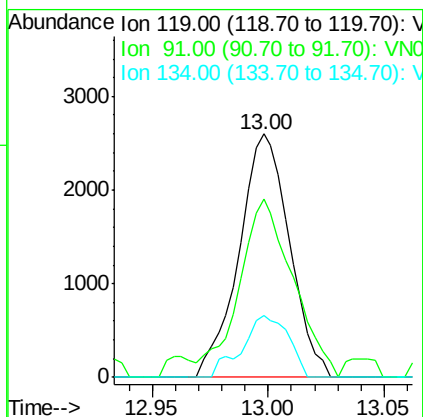
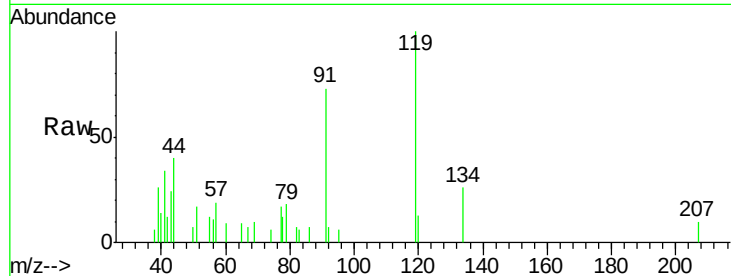




#83
tert-Butylbenzene
Concen: 0.290 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057945.D
Acq: 11 Sep 2019 23:29

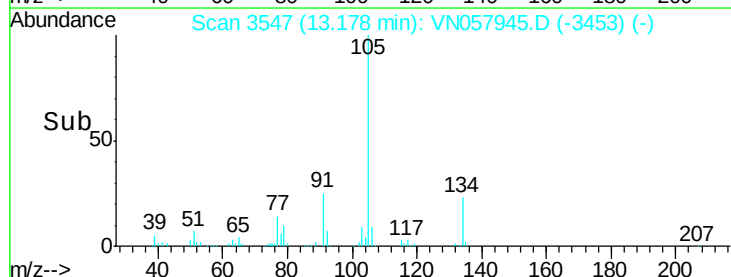
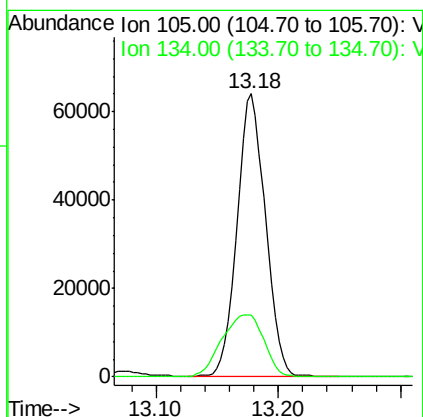
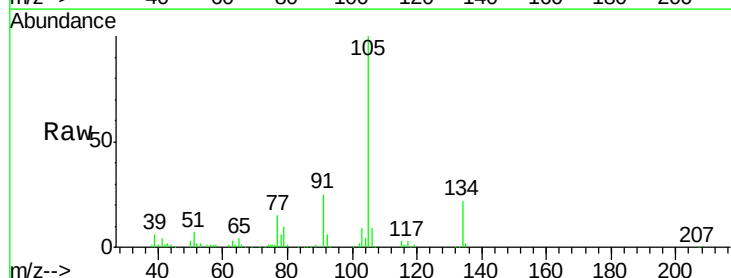
Instrument :
MSVOA_N
ClientSampled :
MW-2

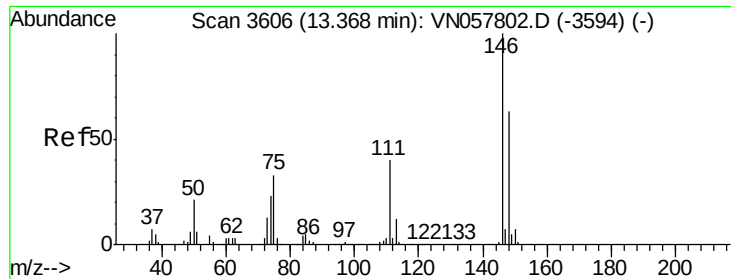
Tot Ion:119 Resp: 3927
Ion Ratio Lower Upper
119 100
91 78.2 33.6 100.8
134 0.0 11.7 35.0#



#85
sec-Butylbenzene
Concen: 5.743 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN057945.D
Acq: 11 Sep 2019 23:29

Tgt Ion:105 Resp: 103115
Ion Ratio Lower Upper
105 100
134 32.5 9.6 28.6#

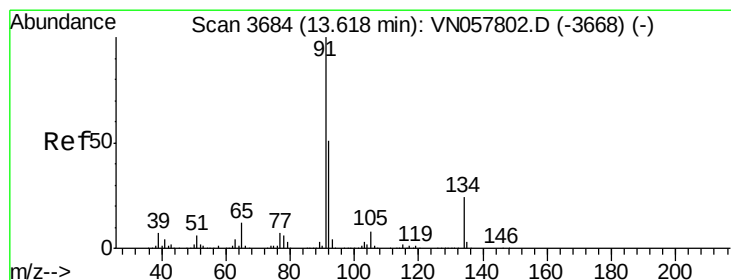
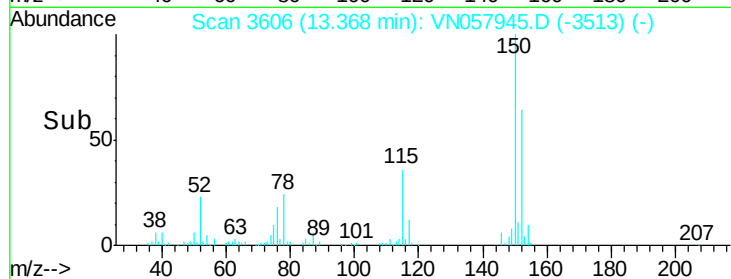
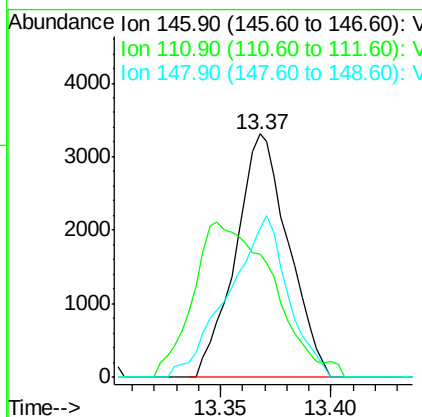
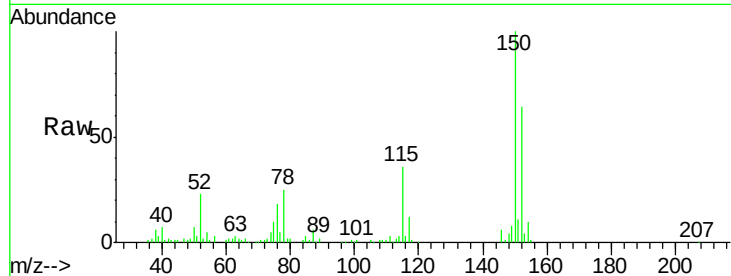




#88
 1,4-Dichlorobenzene
 Concen: 0.658 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057945.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

Tot Ion:146 Resp: 5509
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.4 61.2#
 148 74.3 31.8 95.4



#89
 n-Butylbenzene
 Concen: 3.447 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN057945.D
 Acq: 11 Sep 2019 23:29

Tgt Ion: 91 Resp: 51505
 Ion Ratio Lower Upper
 91 100
 92 43.3 25.7 77.0
 134 49.1 11.9 35.7#

