

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059238.D
 Acq On : 14 Nov 2019 16:50
 Operator : JC/SP
 Sample : K5842-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S36-0161

Quant Time: Nov 15 07:56:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	497273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	776669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	683588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262981	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	309920	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.57	113	239108	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
50) Toluene-d8	10.08	98	937564	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	314744	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

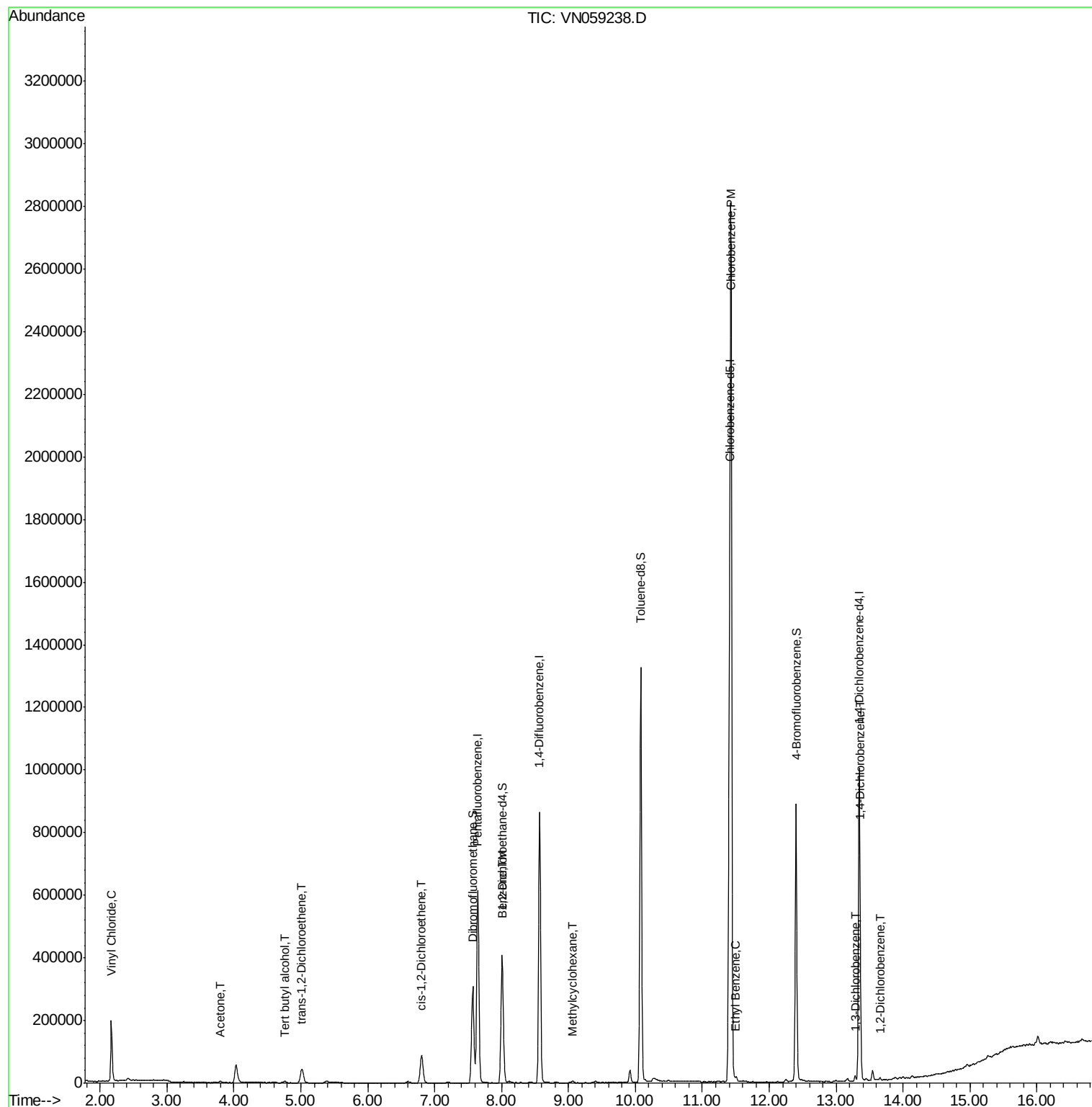
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	186418	28.232	ug/l	100
11) Tert butyl alcohol	4.76	59	8438	7.243	ug/l #	87
16) Acetone	3.80	43	7467	2.349	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	30146	6.054	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	59956	10.379	ug/l	89
39) Methylcyclohexane	9.06	83	2808	0.333	ug/l #	79
40) Benzene	8.02	78	72382	3.311	ug/l	99
65) Chlorobenzene	11.43	112	1495636	112.236	ug/l	99
67) Ethyl Benzene	11.51	91	10583	0.448	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	7209	0.876	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	67447	8.191	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	3676	0.454	ug/l	97

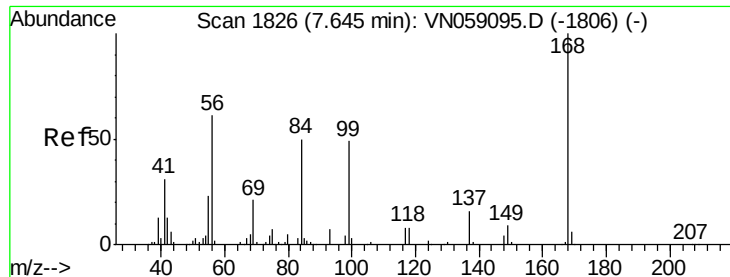
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampleId :

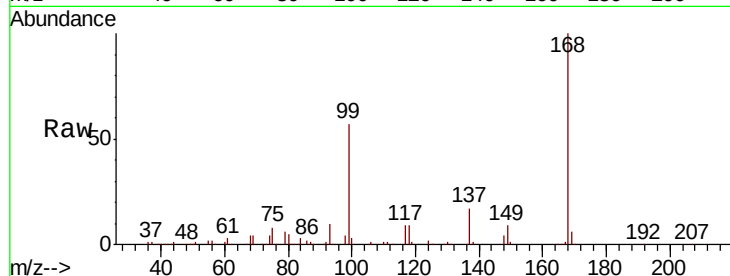
S36-0161

Tot Ion:168 Resp: 497273

Ion Ratio Lower Upper

168 100

99 57.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

250000

200000

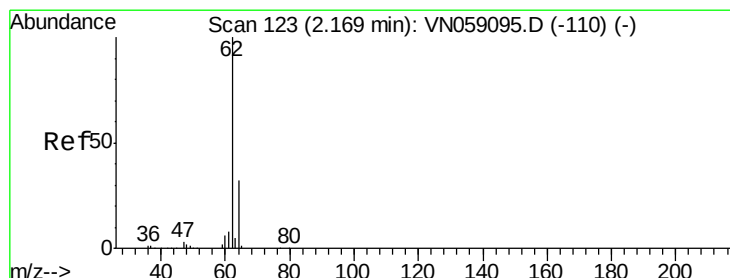
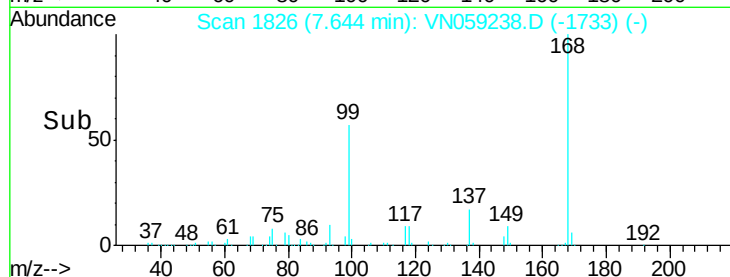
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 28.232 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059238.D

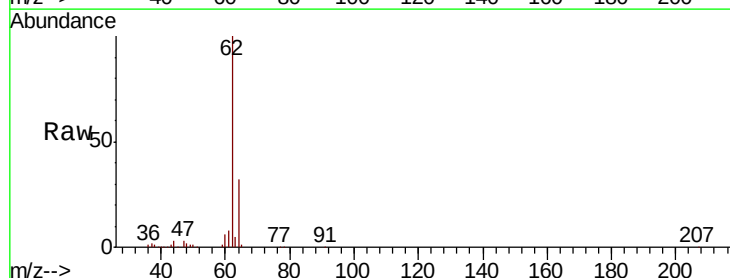
Acq: 14 Nov 2019 16:50

Tgt Ion: 62 Resp: 186418

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

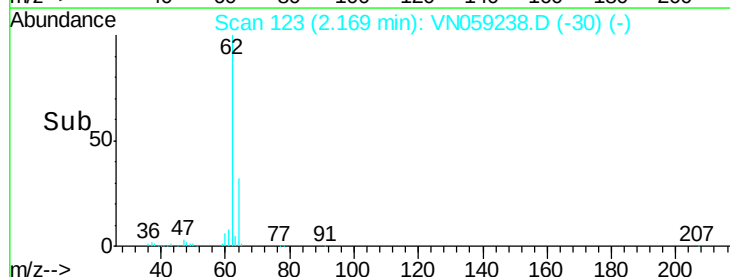
2.17

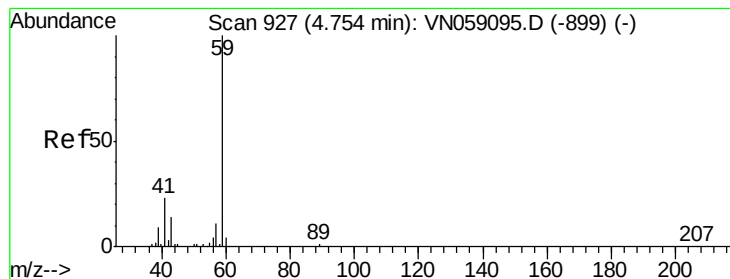
100000

50000

0

Time--> 2.10 2.20 2.30





#11

Tert butyl alcohol

Concen: 7.243 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampleId :

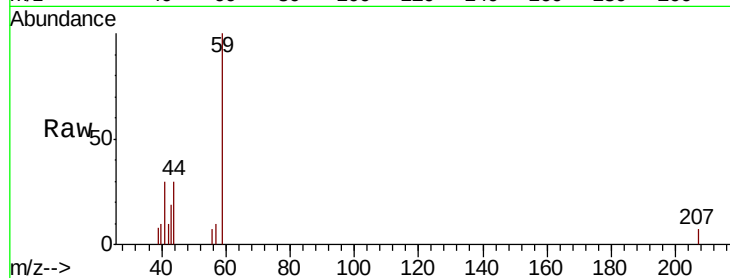
S36-0161

Tot Ion: 59 Resp: 8438

Ion Ratio Lower Upper

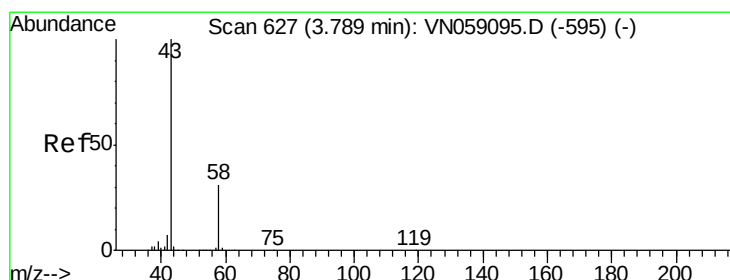
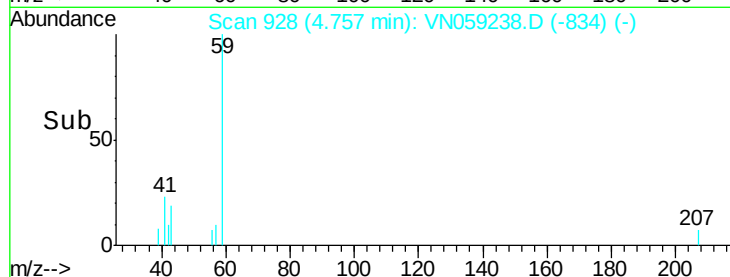
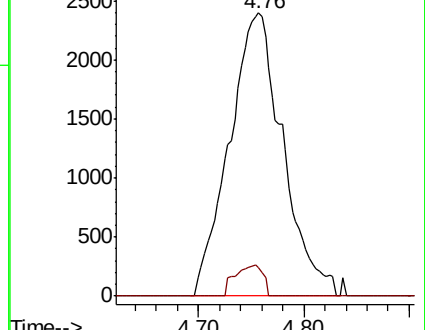
59 100

57 5.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059238.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059238.D (-834) (-)



#16

Acetone

Concen: 2.349 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059238.D

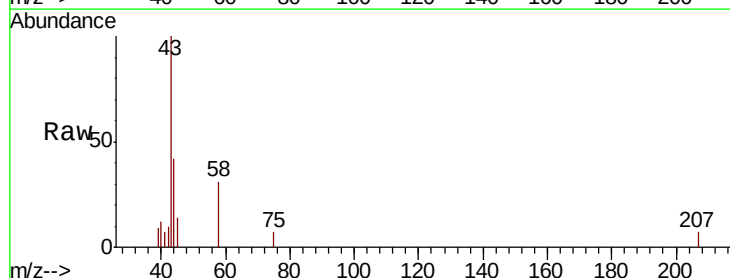
Acq: 14 Nov 2019 16:50

Tgt Ion: 43 Resp: 7467

Ion Ratio Lower Upper

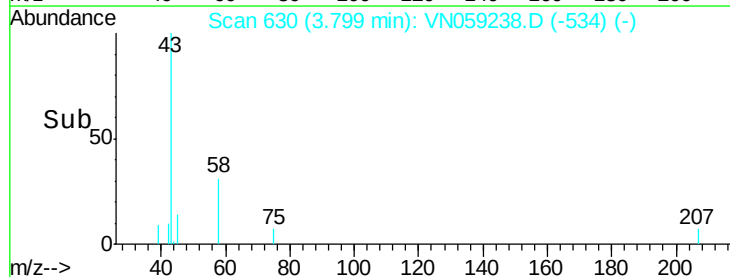
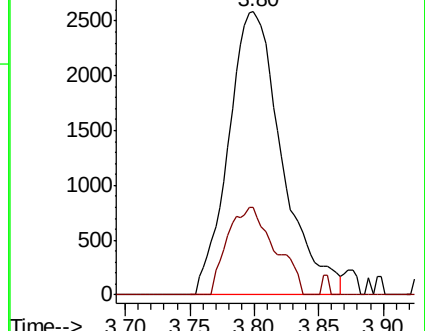
43 100

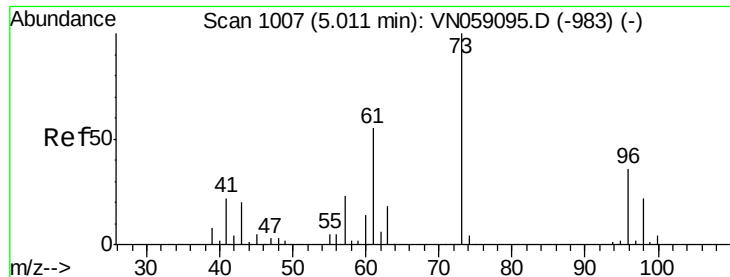
58 30.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059238.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059238.D (-534) (-)





#21

trans-1,2-Dichloroethene

Concen: 6.054 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

S36-0161

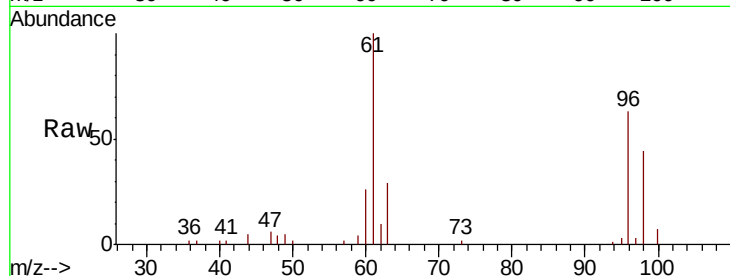
Tot Ion: 96 Resp: 30146

Ion Ratio Lower Upper

96 100

61 156.5 122.6 183.8

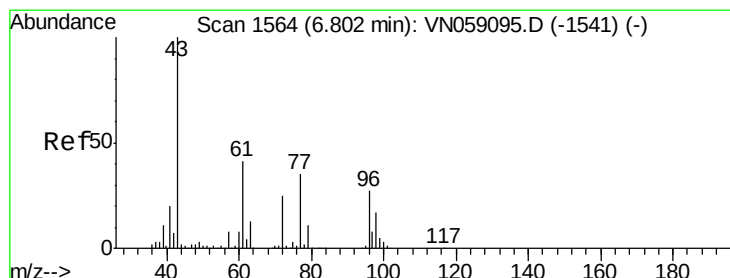
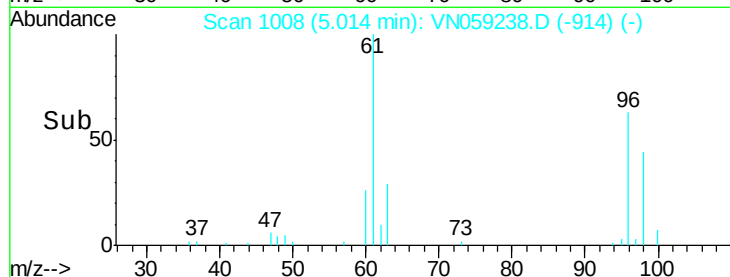
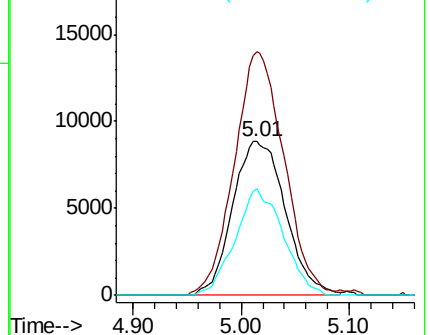
98 69.1 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 10.379 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

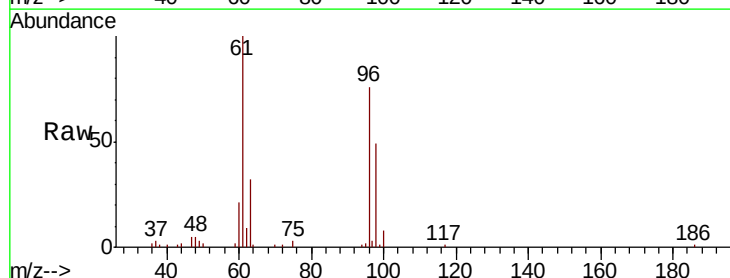
Tgt Ion: 96 Resp: 59956

Ion Ratio Lower Upper

96 100

61 136.6 0.0 311.6

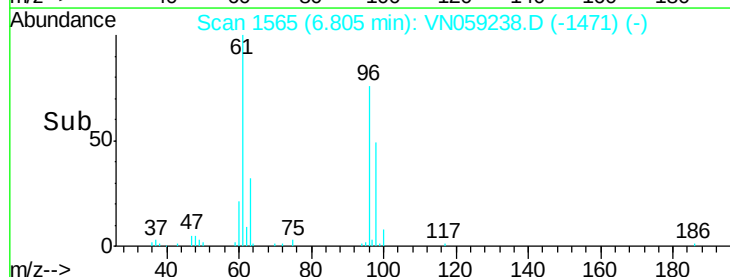
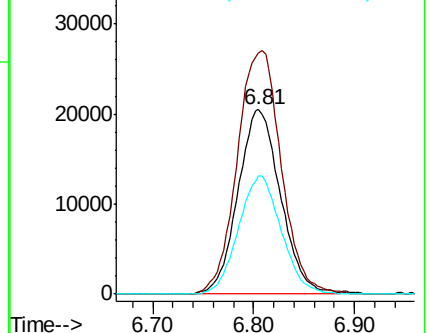
98 64.4 0.0 129.8

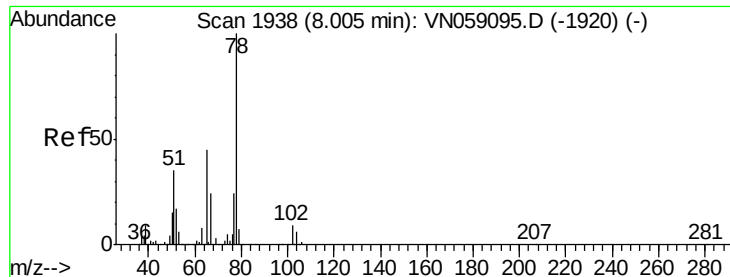


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

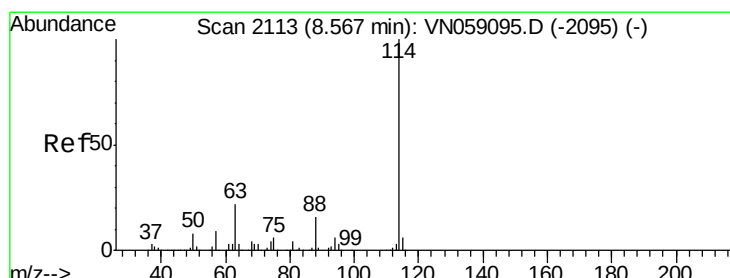
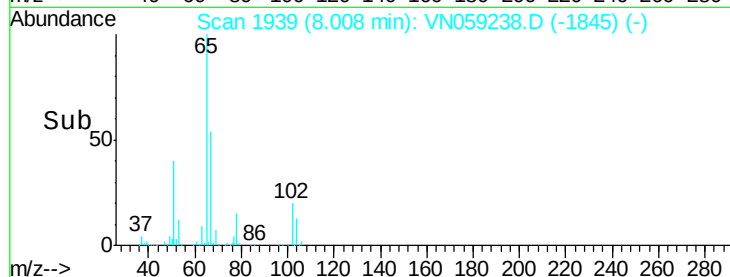
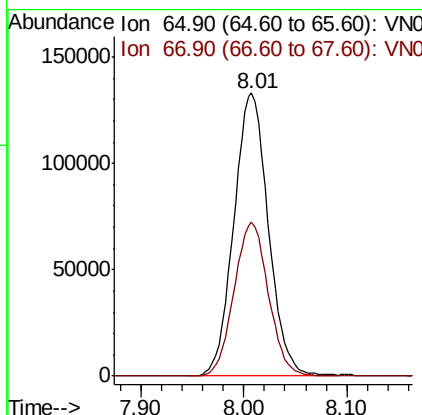
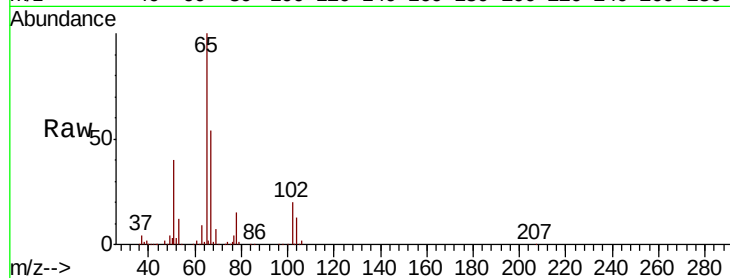




#33
 1,2-Dichloroethane-d4
 Concen: 50.700 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059238.D
 Acq: 14 Nov 2019 16:50

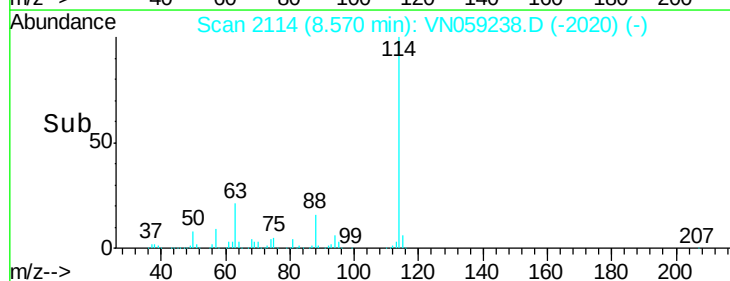
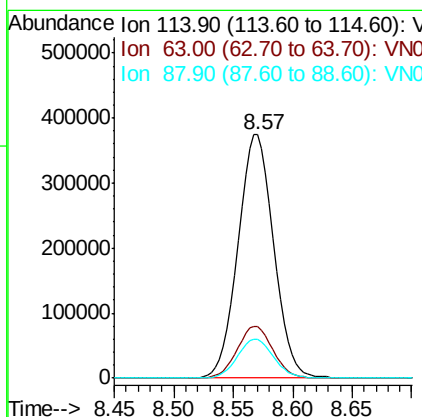
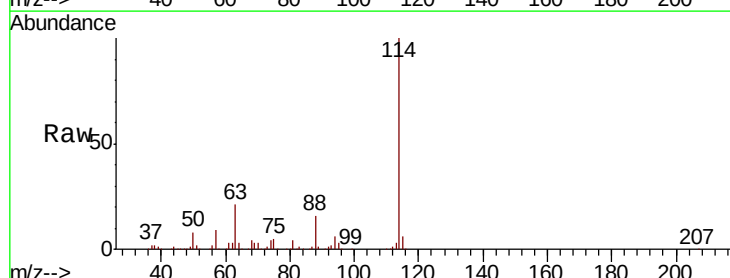
Instrument :
 MSVOA_N
 ClientSampled :
 S36-0161

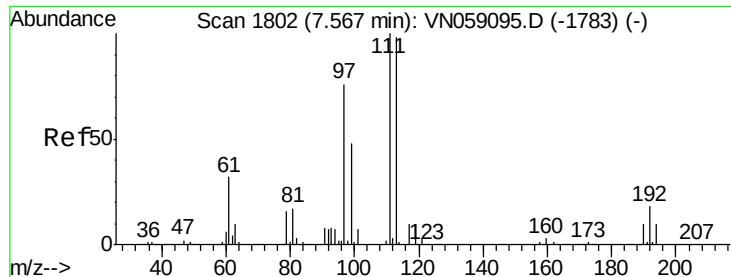
Tot Ion: 65 Resp: 309920
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059238.D
 Acq: 14 Nov 2019 16:50

Tgt Ion: 114 Resp: 776669
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.4
 88 15.9 0.0 32.2

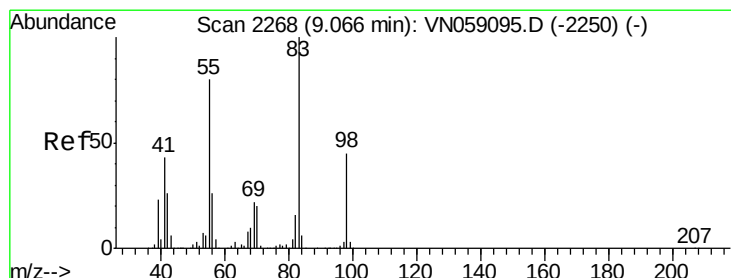
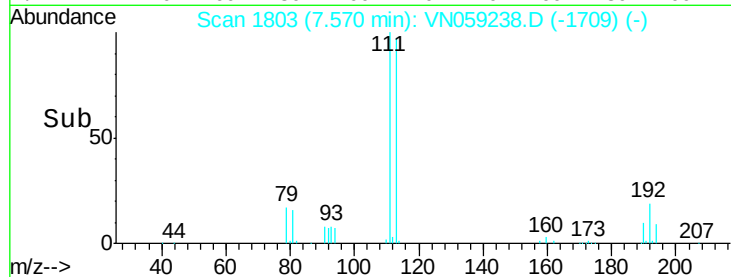
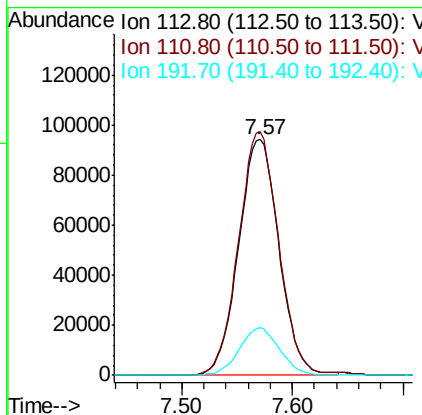
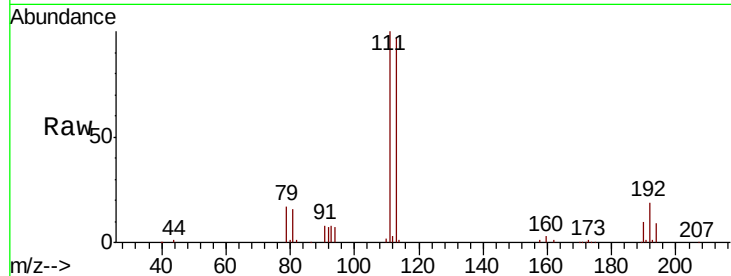




#35
 Dibromofluoromethane
 Concen: 51.560 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059238.D
 Acq: 14 Nov 2019 16:50

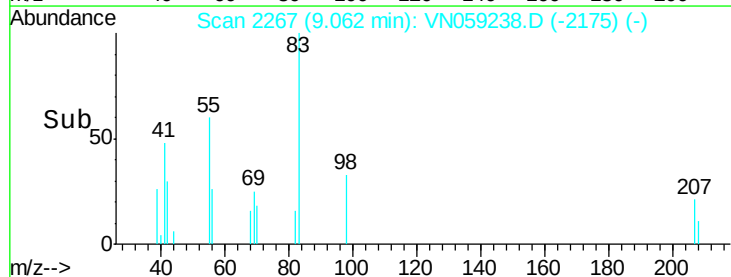
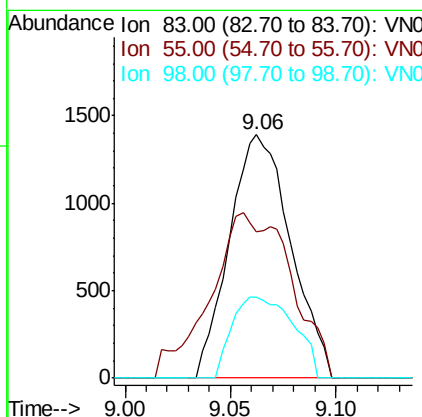
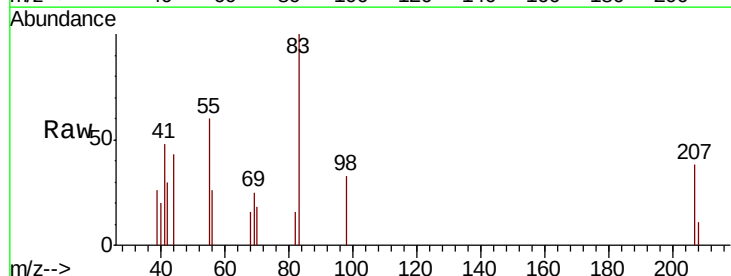
Instrument :
 MSVOA_N
 ClientSampled :
 S36-0161

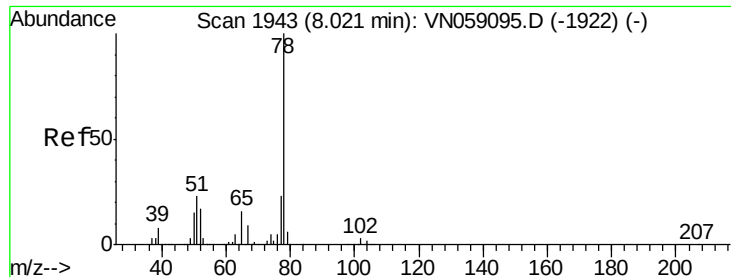
Tot Ion:113 Resp: 239108
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.8 124.2
 192 20.1 16.1 24.1



#39
 Methylcyclohexane
 Concen: 0.333 ug/l
 RT: 9.06 min Scan# 2267
 Delta R.T. -0.00 min
 Lab File: VN059238.D
 Acq: 14 Nov 2019 16:50

Tgt Ion: 83 Resp: 2808
 Ion Ratio Lower Upper
 83 100
 55 59.9 63.9 95.9#
 98 33.3 35.6 53.4#





#40

Benzene

Concen: 3.311 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampleId :

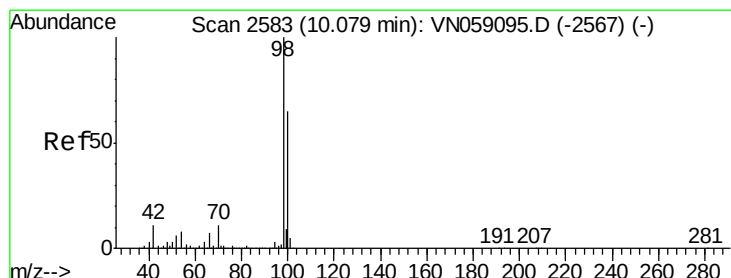
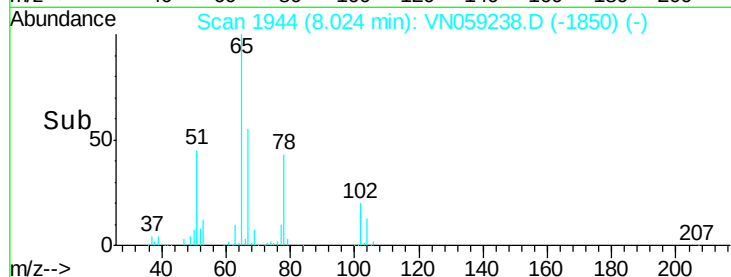
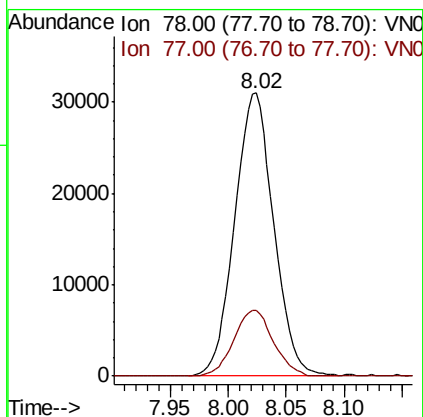
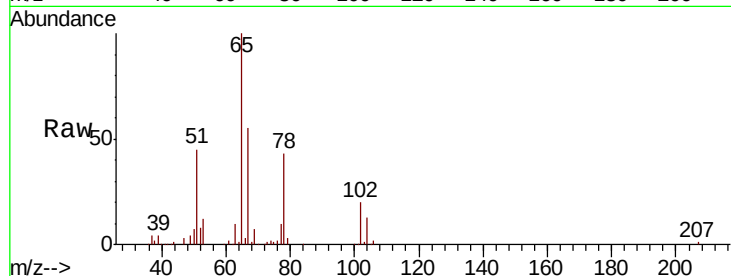
S36-0161

Tot Ion: 78 Resp: 72382

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2



#50

Toluene-d8

Concen: 51.327 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059238.D

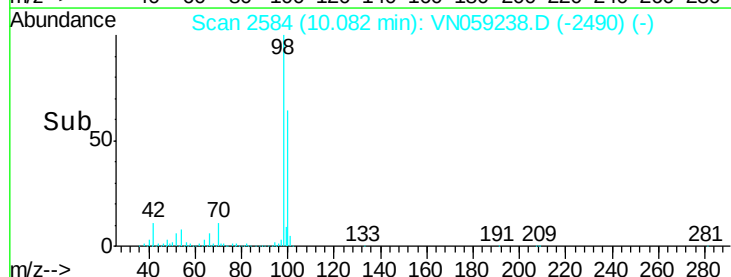
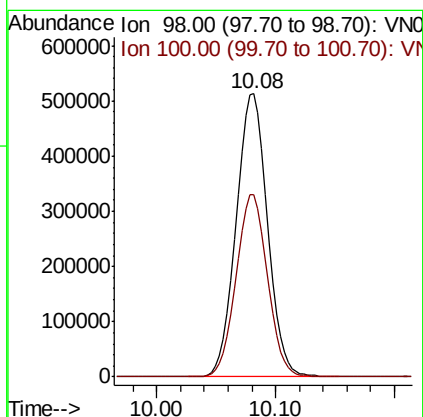
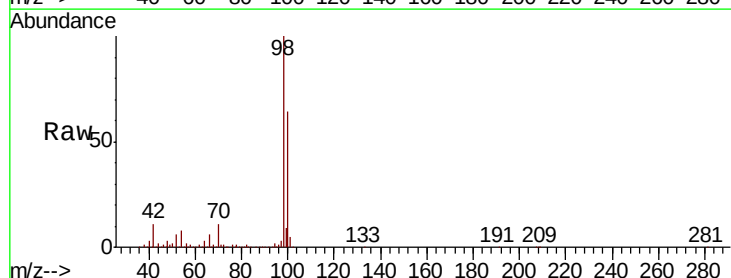
Acq: 14 Nov 2019 16:50

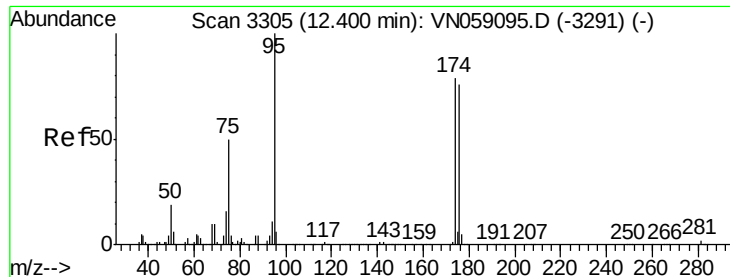
Tgt Ion: 98 Resp: 937564

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 47.788 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

S36-0161

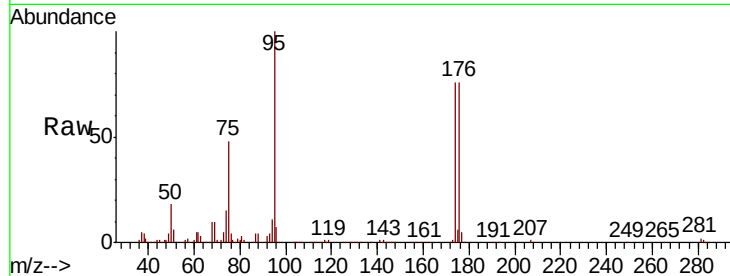
Tot Ion: 95 Resp: 314744

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.2

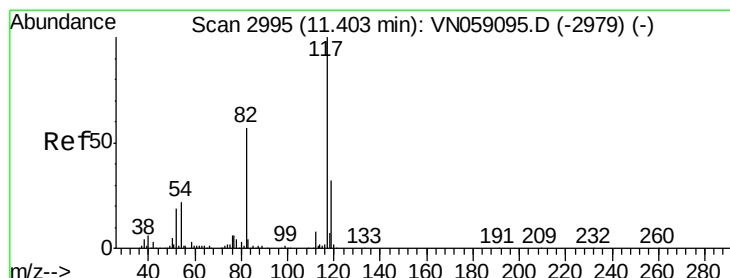
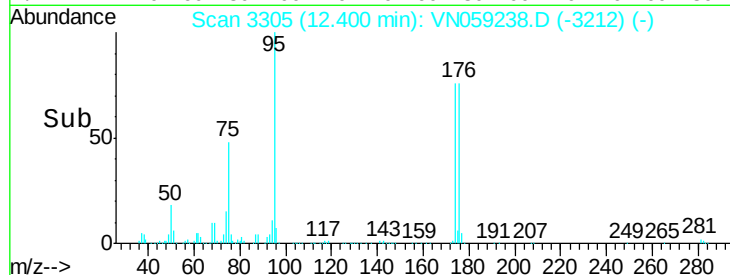
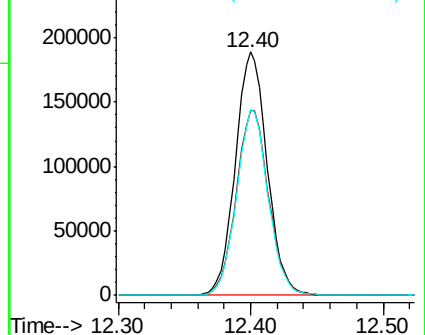
176 76.0 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

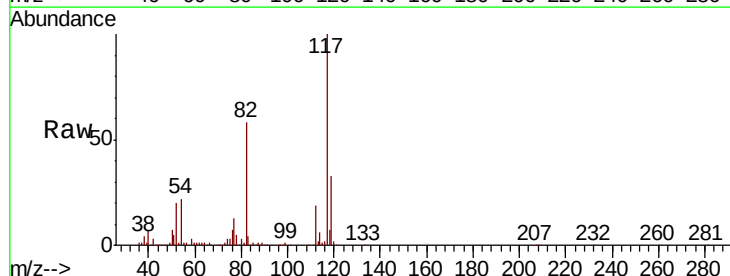
Tgt Ion: 117 Resp: 683588

Ion Ratio Lower Upper

117 100

82 57.6 45.8 68.8

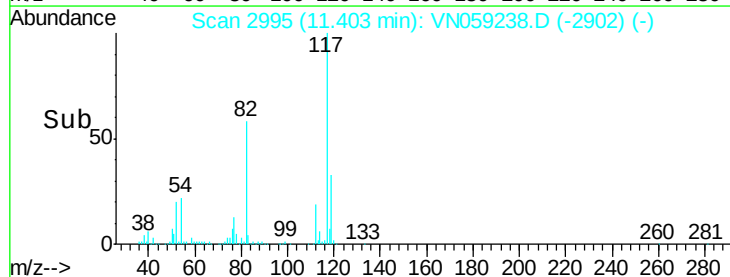
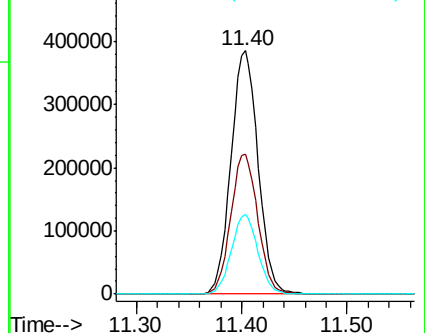
119 32.6 25.8 38.6

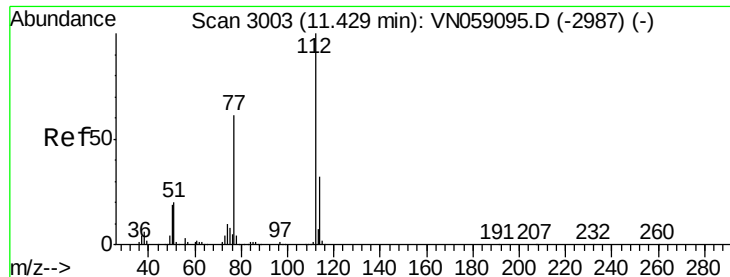


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#65

Chlorobenzene

Concen: 112.236 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampleId :

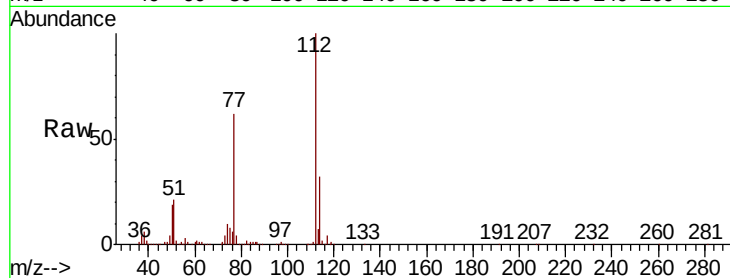
S36-0161

Tot Ion:112 Resp: 1495636

Ion Ratio Lower Upper

112 100

114 32.3 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

800000

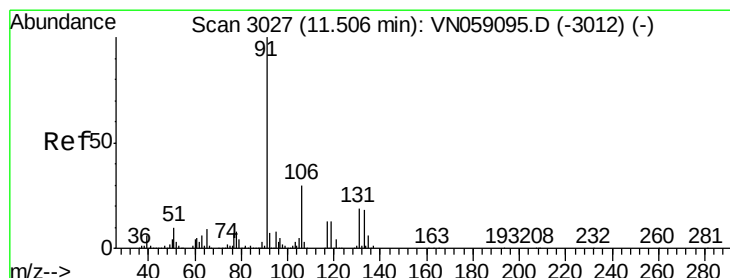
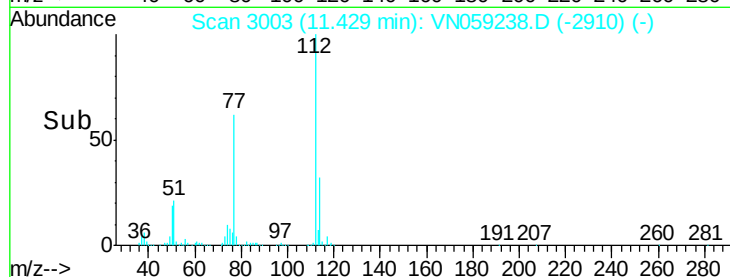
600000

400000

200000

0

Time--> 11.30 11.40 11.50



#67

Ethyl Benzene

Concen: 0.448 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059238.D

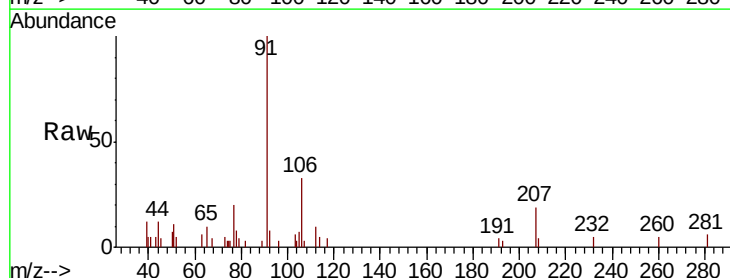
Acq: 14 Nov 2019 16:50

Tgt Ion: 91 Resp: 10583

Ion Ratio Lower Upper

91 100

106 32.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

11.51

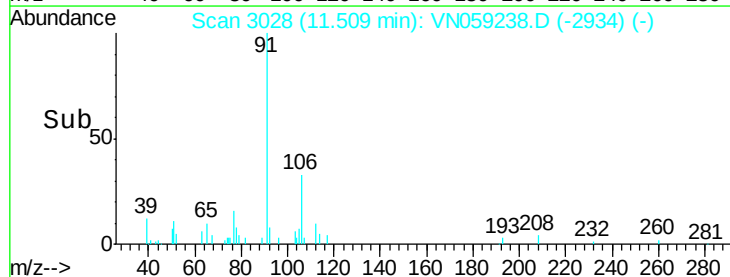
6000

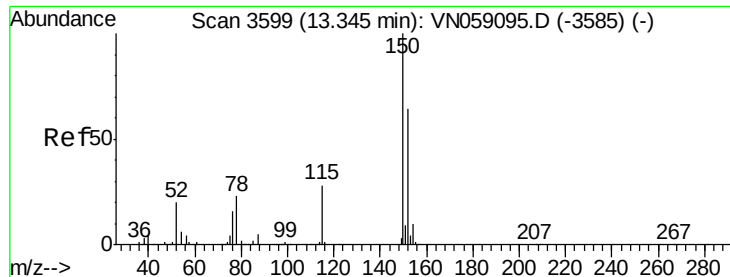
4000

2000

0

Time--> 11.45 11.50 11.55





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampleId :

S36-0161

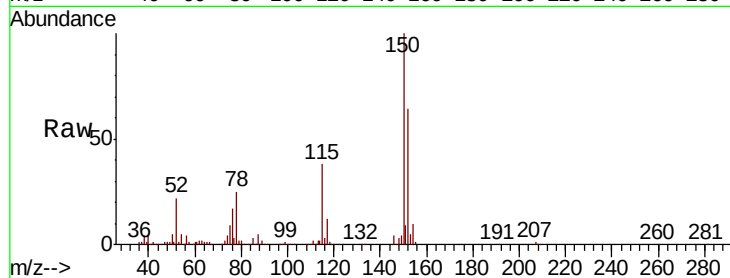
Tot Ion:152 Resp: 262981

Ion Ratio Lower Upper

152 100

115 59.3 29.4 88.2

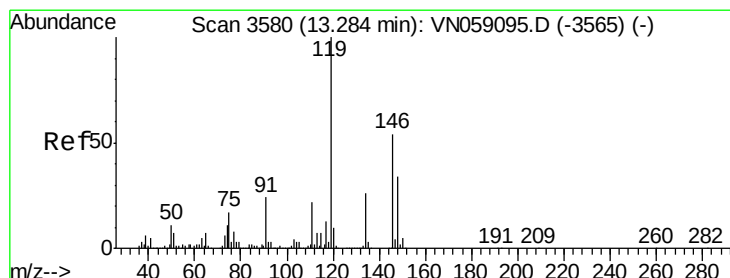
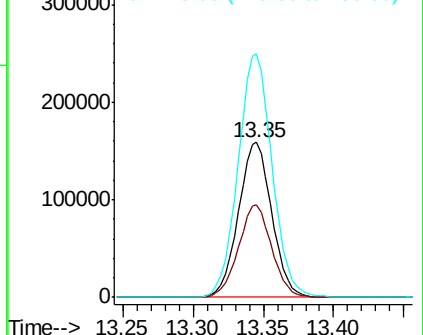
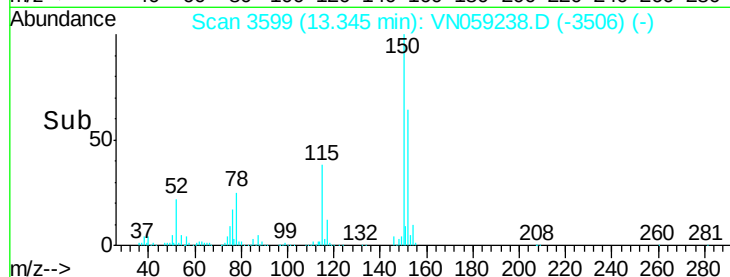
150 160.5 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#87

1,3-Dichlorobenzene

Concen: 0.876 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

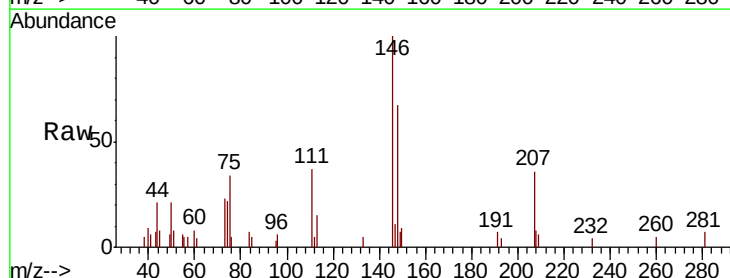
Tgt Ion:146 Resp: 7209

Ion Ratio Lower Upper

146 100

111 40.1 20.4 61.3

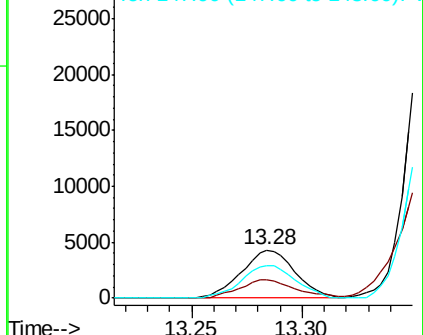
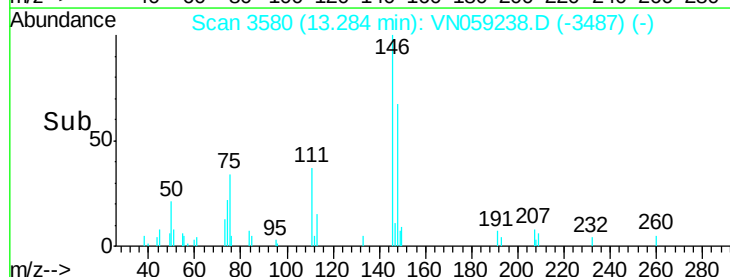
148 68.2 32.2 96.6

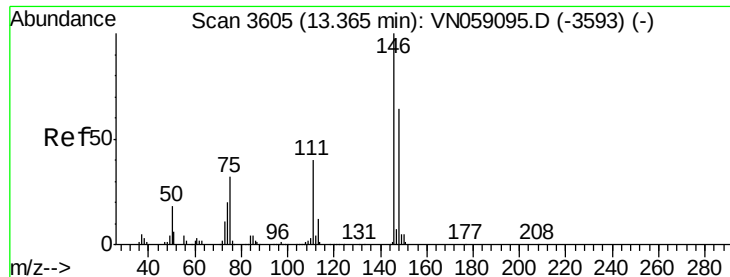


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 8.191 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

S36-0161

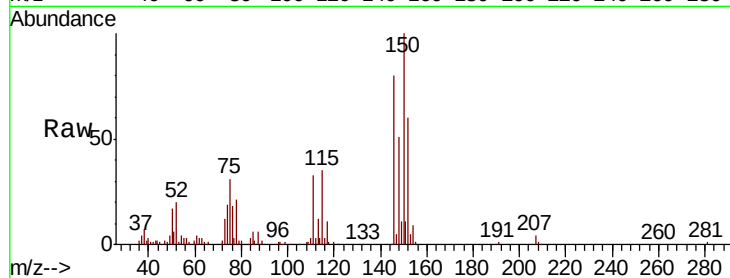
Tot Ion:146 Resp: 67447

Ion Ratio Lower Upper

146 100

111 45.7 20.3 60.9

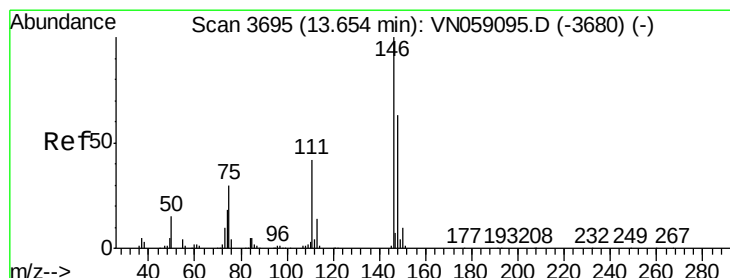
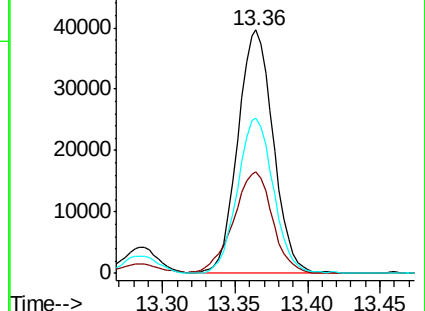
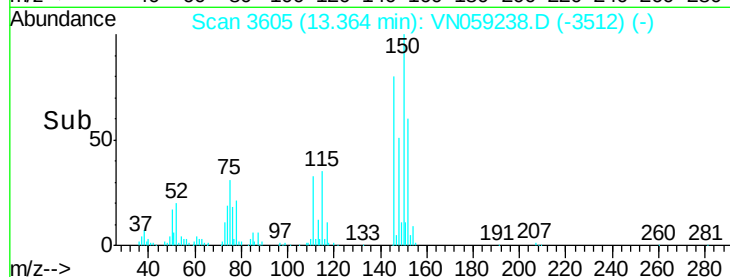
148 64.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.454 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059238.D

Acq: 14 Nov 2019 16:50

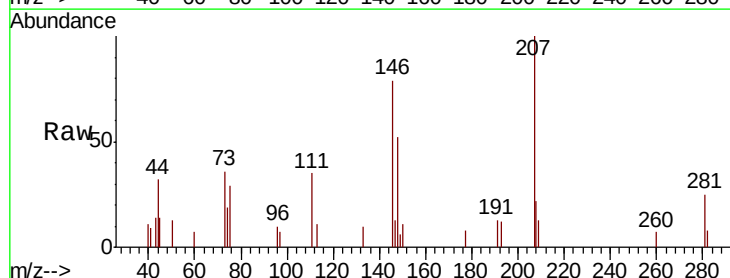
Tgt Ion:146 Resp: 3676

Ion Ratio Lower Upper

146 100

111 40.0 21.2 63.6

148 64.5 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

