

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059237.D
 Acq On : 14 Nov 2019 16:28
 Operator : JC/SP
 Sample : K5842-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S36-0160

Quant Time: Nov 15 07:54:35 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	480404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	747815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	647889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	234194	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	300579	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	7.57	113	233697	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	10.08	98	901374	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.40	95	290295	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

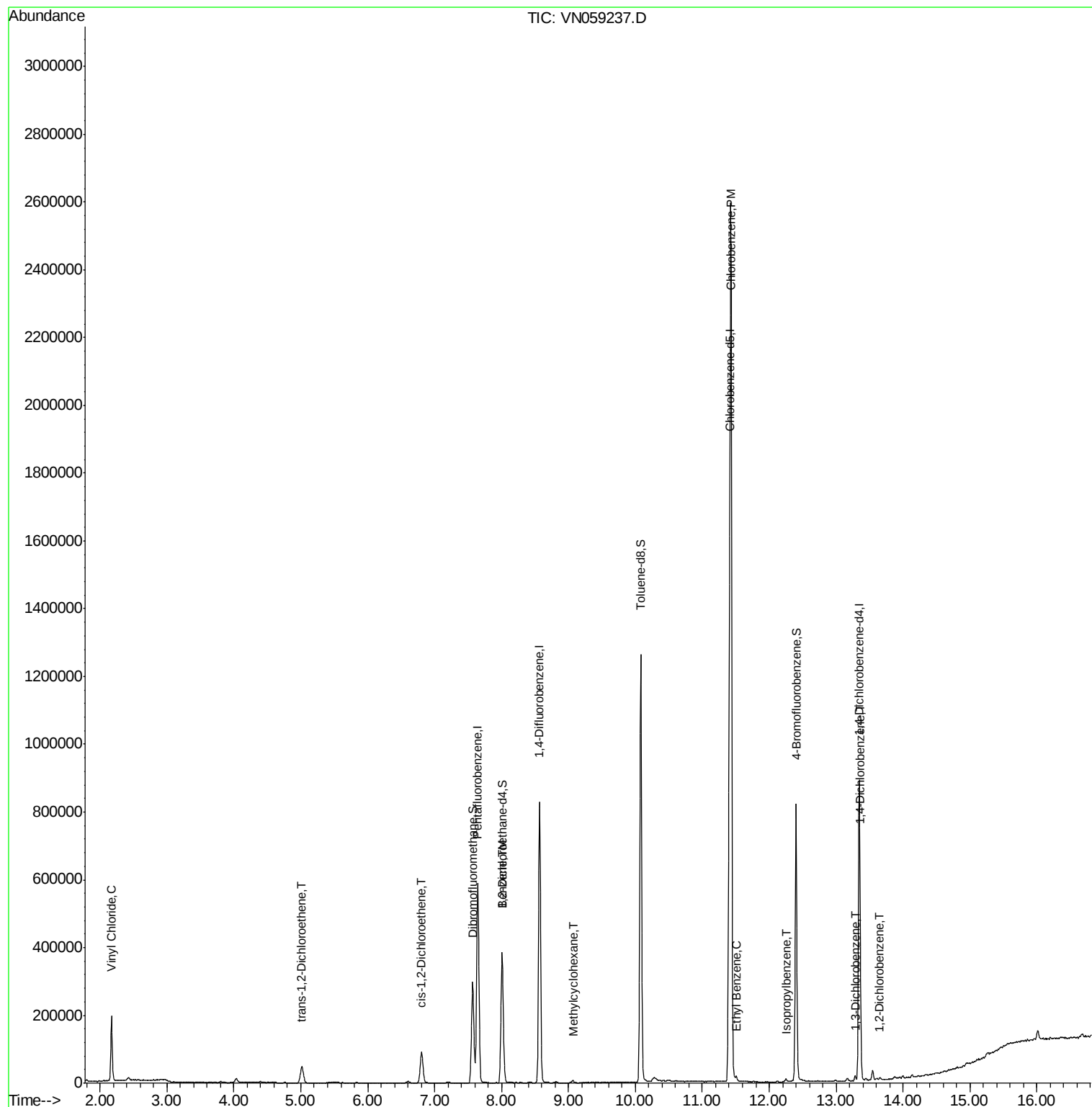
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	181477	28.449	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	30641	6.370	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	61802	11.074	ug/l	87
39) Methylcyclohexane	9.06	83	2464	0.304	ug/l	87
40) Benzene	8.02	78	67357	3.200	ug/l	98
65) Chlorobenzene	11.43	112	1390872	110.125	ug/l	98
67) Ethyl Benzene	11.51	91	10447	0.466	ug/l	98
73) Isopropylbenzene	12.25	105	5322	0.312	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	6682	0.912	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	61405	8.374	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	3388	0.470	ug/l	93

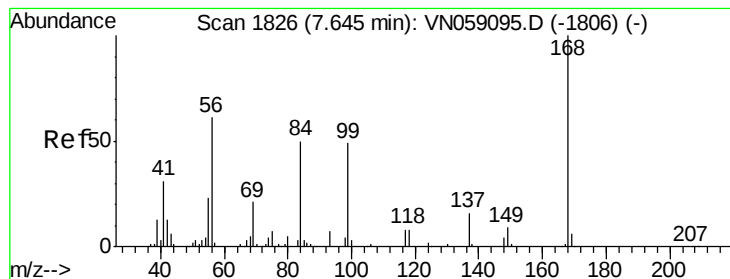
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111419\
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Quant Time: Nov 15 07:54:35 2019
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
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: VN059237.D

Acq: 14 Nov 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

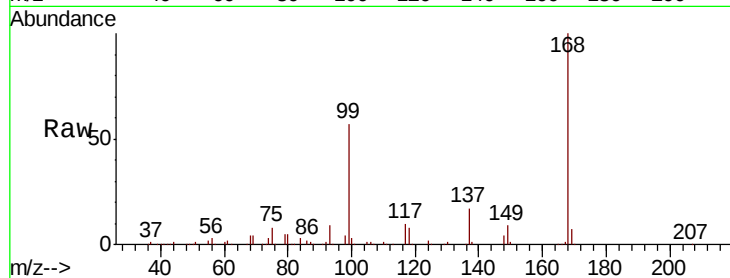
S36-0160

Tot Ion:168 Resp: 480404

Ion Ratio Lower Upper

168 100

99 57.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

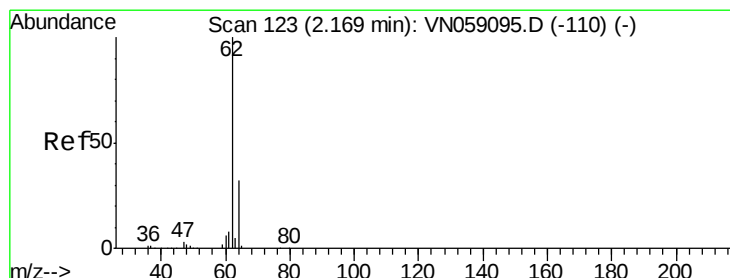
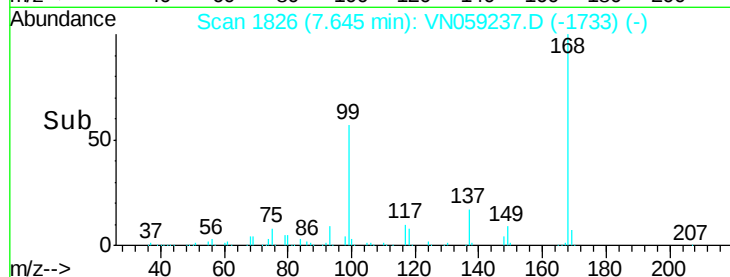
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 28.449 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059237.D

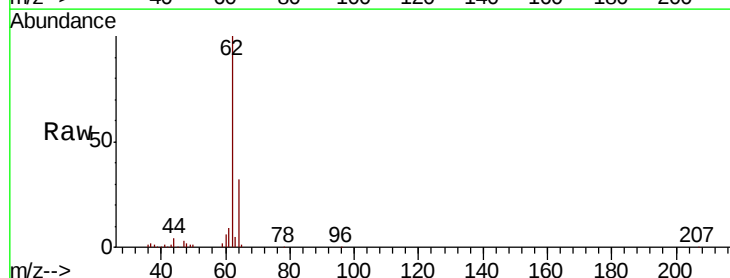
Acq: 14 Nov 2019 16:28

Tgt Ion: 62 Resp: 181477

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

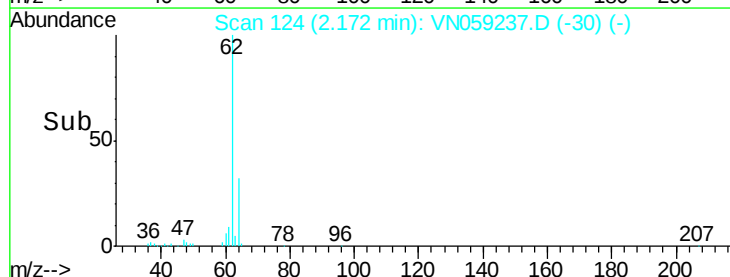
2.17

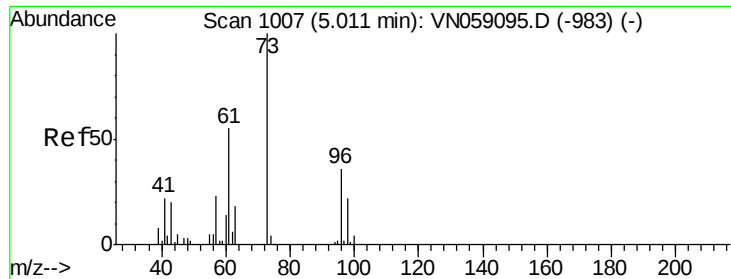
100000

50000

0

Time--> 2.10 2.20 2.30





#21

trans-1,2-Dichloroethene

Concen: 6.370 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

S36-0160

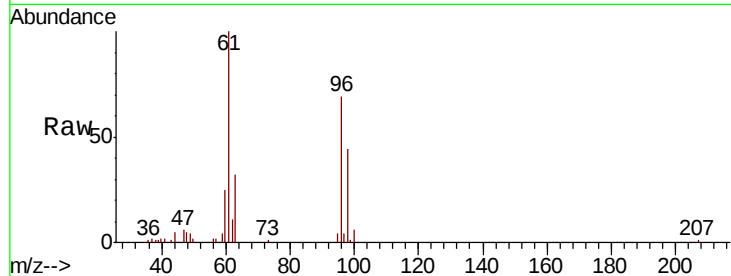
Tot Ion: 96 Resp: 30641

Ion Ratio Lower Upper

96 100

61 143.9 122.6 183.8

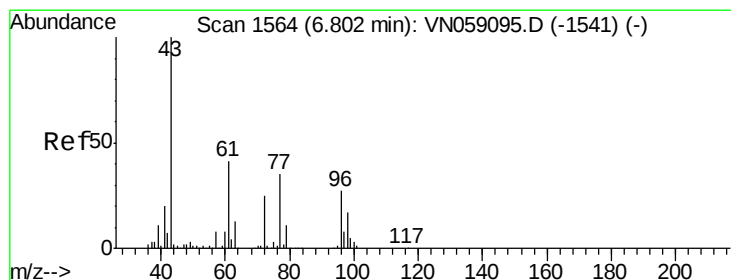
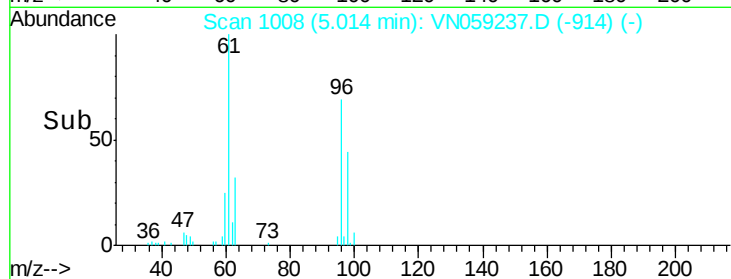
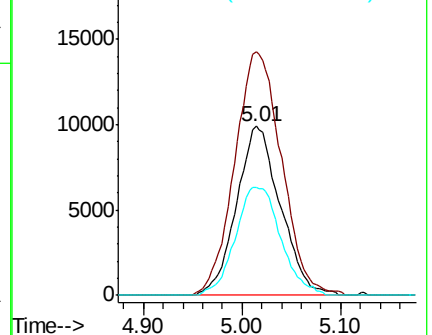
98 63.8 50.3 75.5



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: 11.074 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

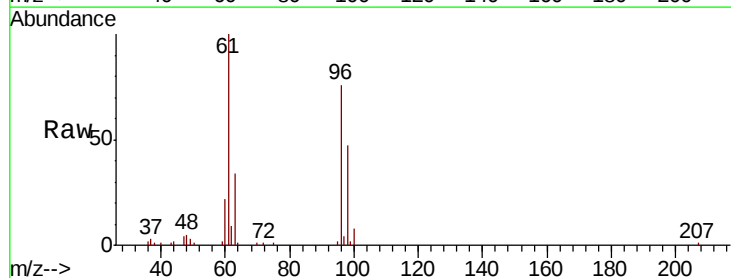
Tgt Ion: 96 Resp: 61802

Ion Ratio Lower Upper

96 100

61 133.8 0.0 311.6

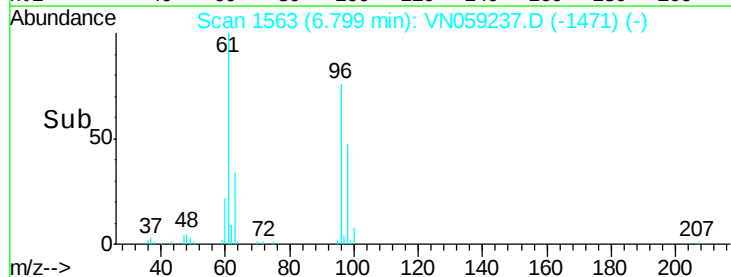
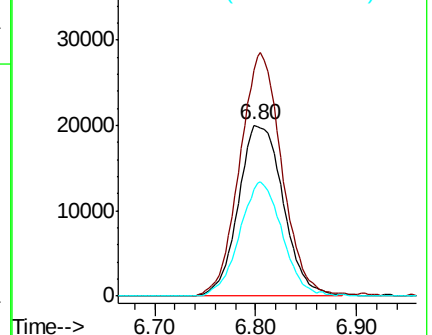
98 63.3 0.0 129.8

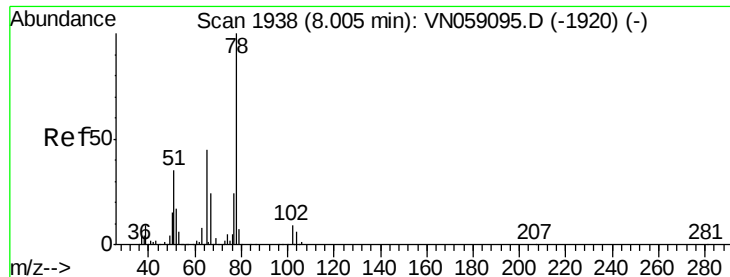


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.899 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

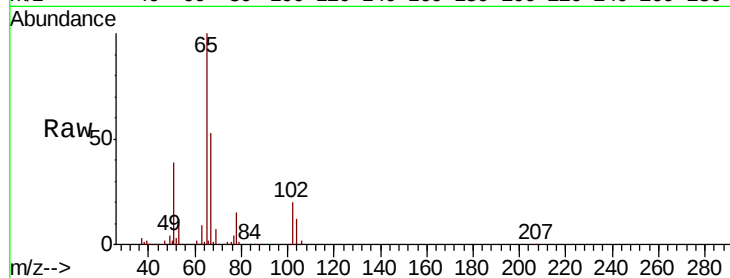
S36-0160

Tot Ion: 65 Resp: 300579

Ion Ratio Lower Upper

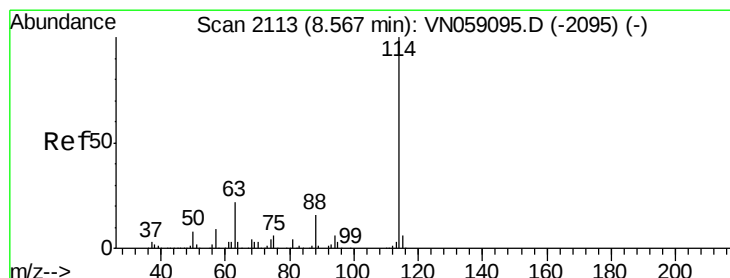
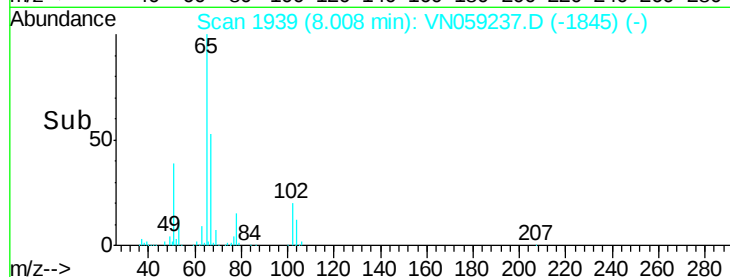
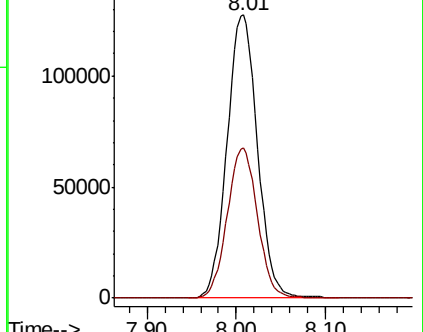
65 100

67 52.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059237.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059237.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

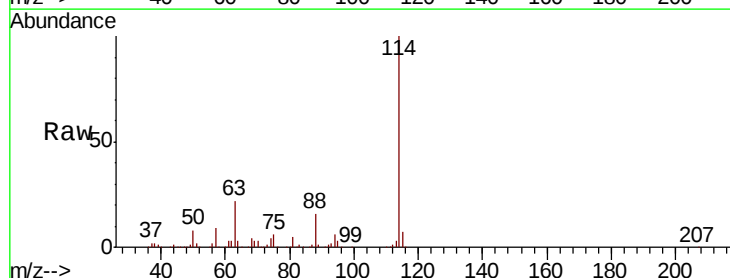
Tgt Ion:114 Resp: 747815

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

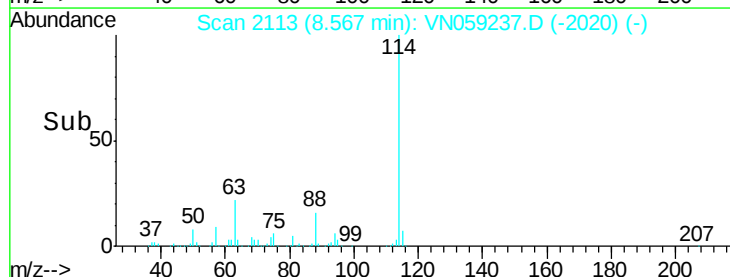
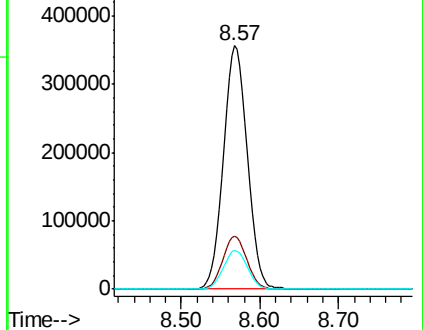
88 16.0 0.0 32.2

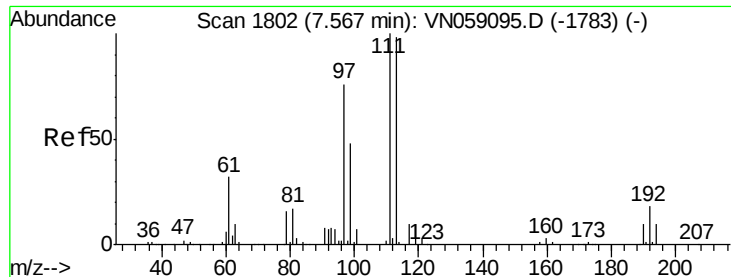


Abundance Ion 113.90 (113.60 to 114.60): VN059237.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059237.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059237.D (-2020) (-)

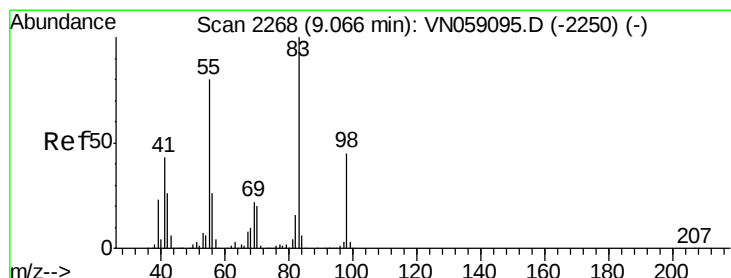
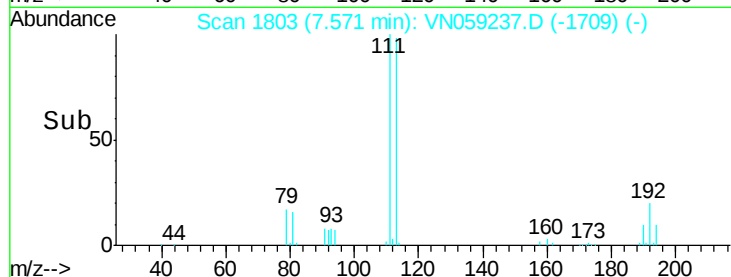
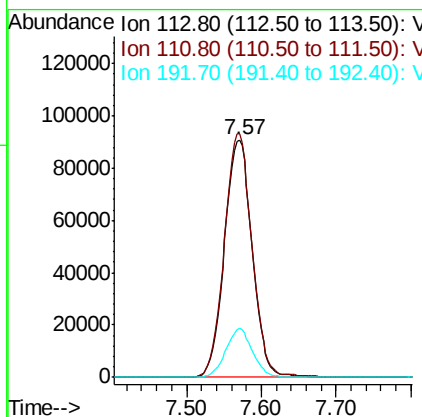
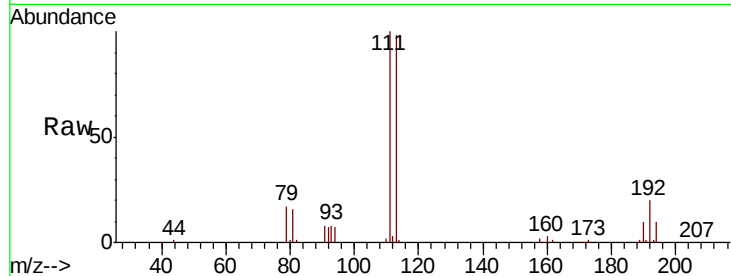




#35
Dibromofluoromethane
Concen: 52.338 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059237.D
Acq: 14 Nov 2019 16:28

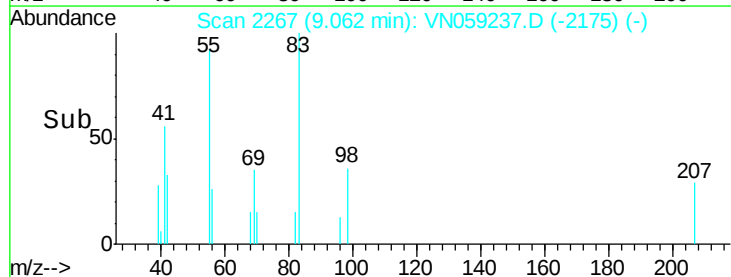
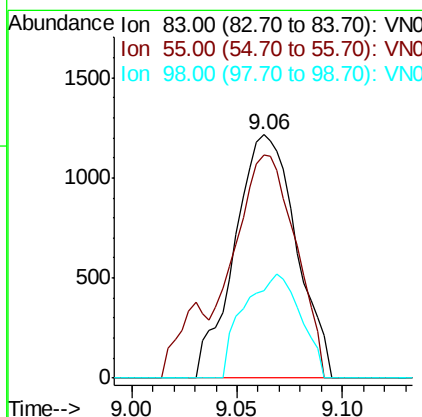
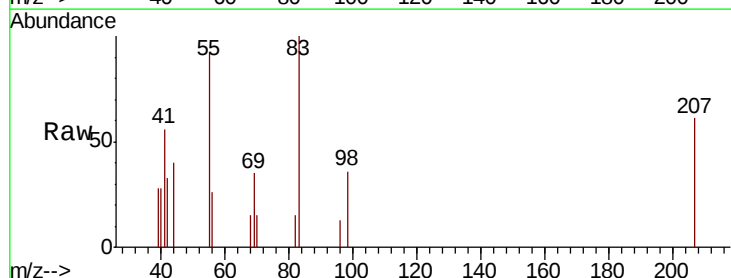
Instrument :
MSVOA_N
ClientSampleId :
S36-0160

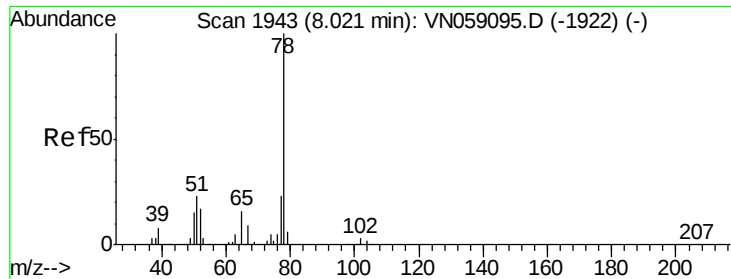
Tot Ion:113 Resp: 233697
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 19.8 16.1 24.1



#39
Methylcyclohexane
Concen: 0.304 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059237.D
Acq: 14 Nov 2019 16:28

Tgt Ion: 83 Resp: 2464
Ion Ratio Lower Upper
83 100
55 91.6 63.9 95.9
98 35.9 35.6 53.4





#40

Benzene

Concen: 3.200 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

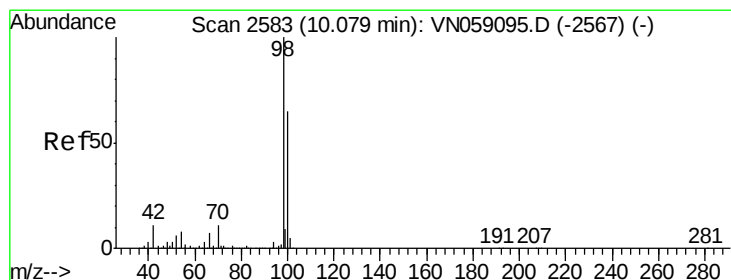
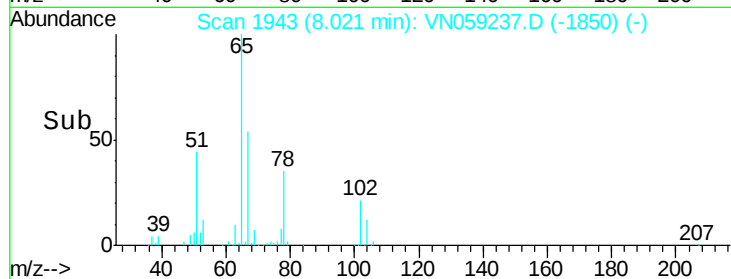
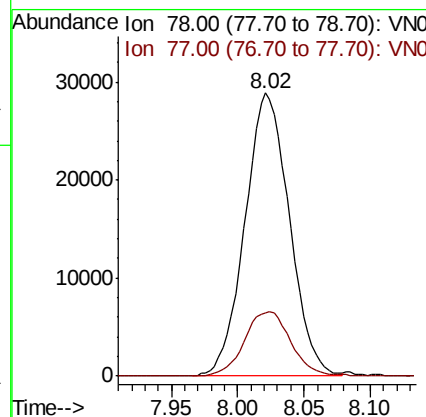
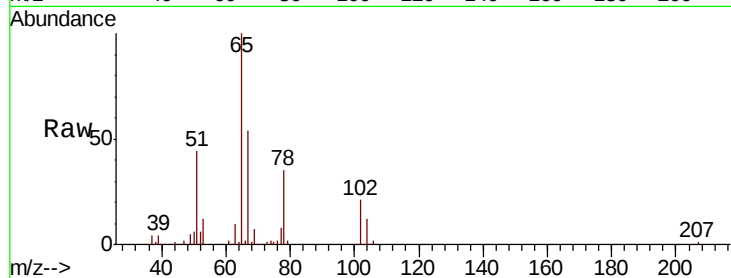
S36-0160

Tot Ion: 78 Resp: 67357

Ion Ratio Lower Upper

78 100

77 22.5 18.8 28.2



#50

Toluene-d8

Concen: 51.249 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059237.D

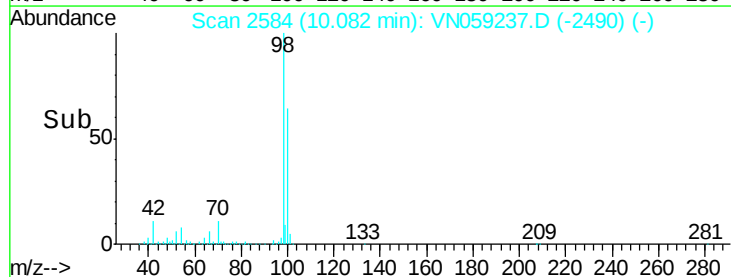
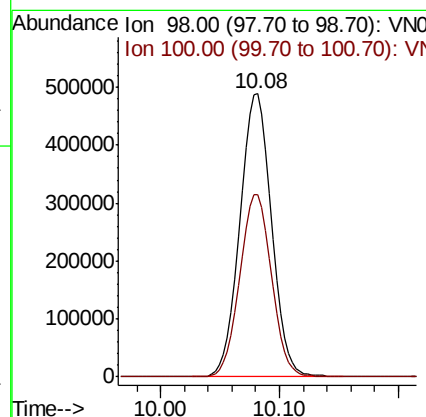
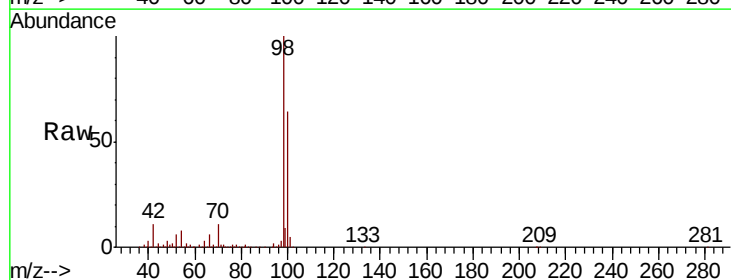
Acq: 14 Nov 2019 16:28

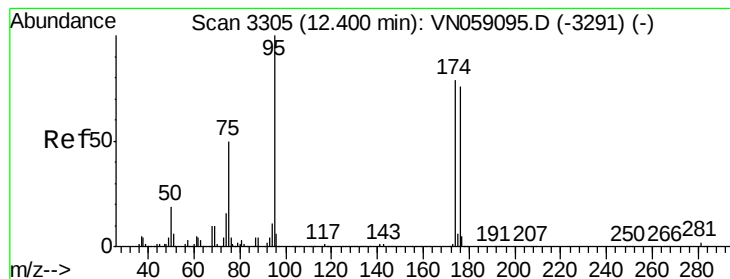
Tgt Ion: 98 Resp: 901374

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 45.777 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

S36-0160

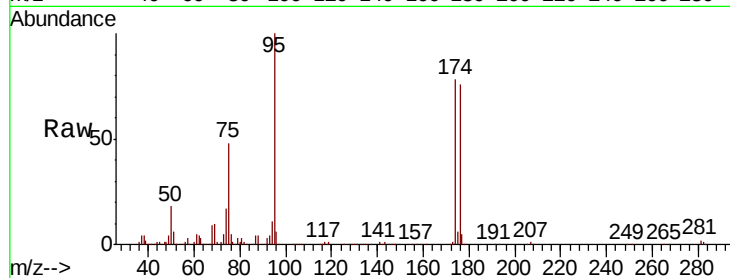
Tot Ion: 95 Resp: 290295

Ion Ratio Lower Upper

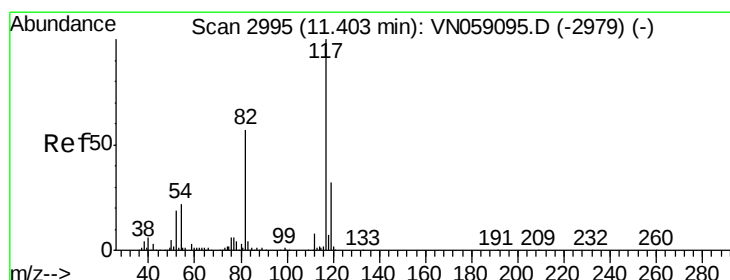
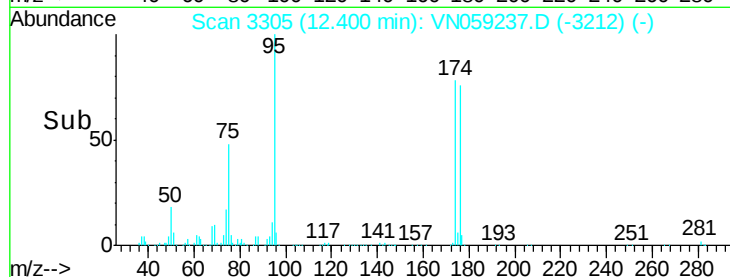
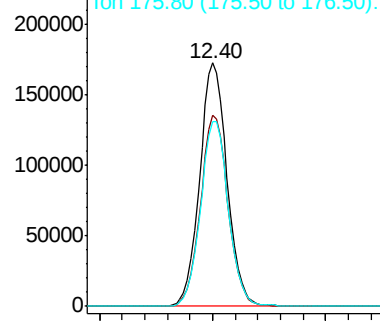
95 100

174 79.0 0.0 158.2

176 77.2 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059237.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

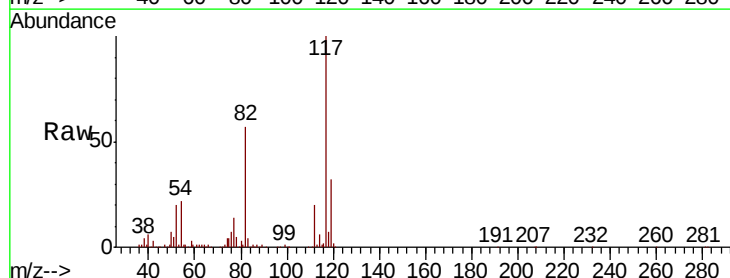
Tgt Ion: 117 Resp: 647889

Ion Ratio Lower Upper

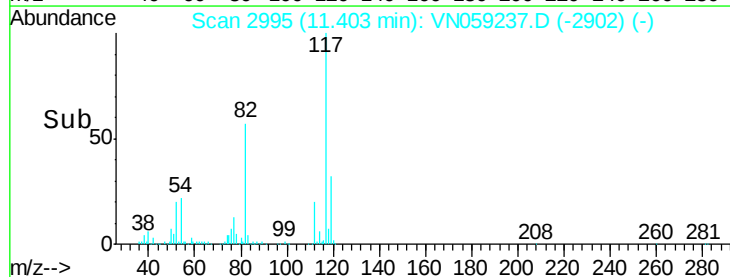
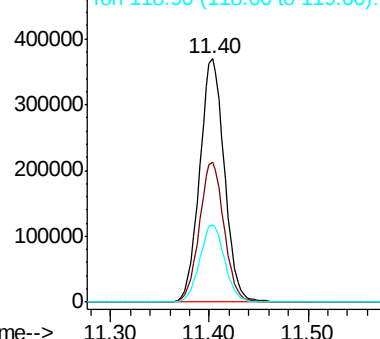
117 100

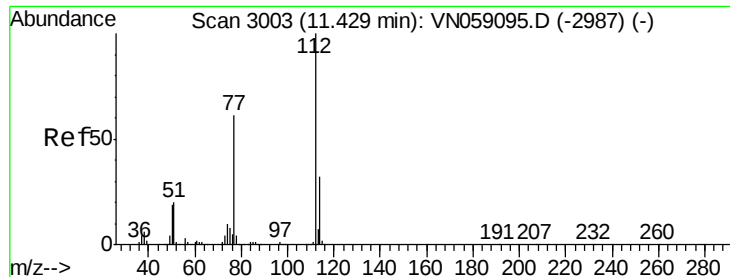
82 57.4 45.8 68.8

119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN059237.D (-2902) (-)





#65

Chlorobenzene

Concen: 110.125 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

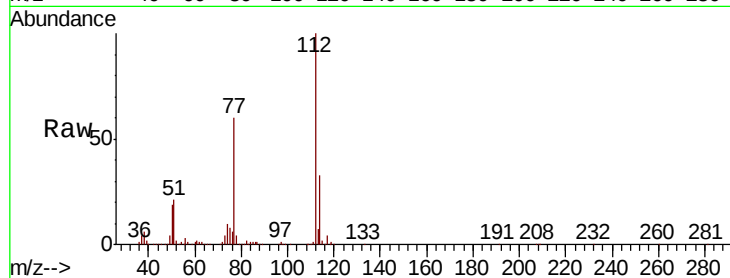
S36-0160

Tot Ion:112 Resp: 1390872

Ion Ratio Lower Upper

112 100

114 32.8 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

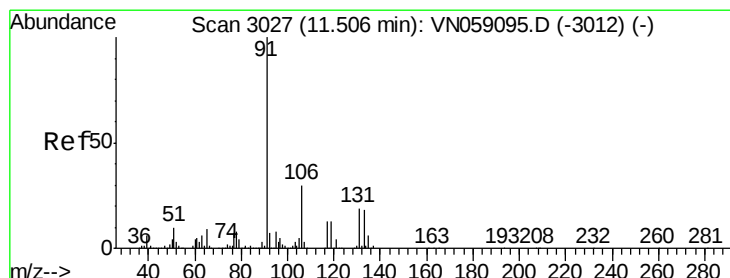
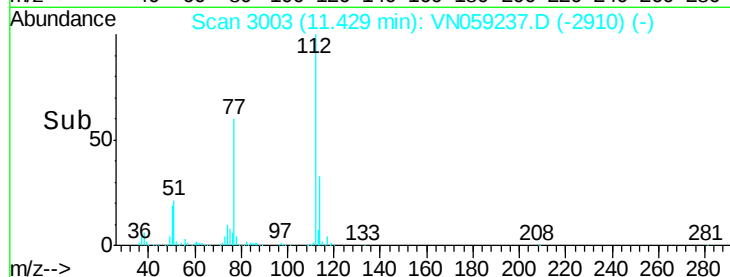
400000

200000

0

11.40 11.50

Time-->



#67

Ethyl Benzene

Concen: 0.466 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059237.D

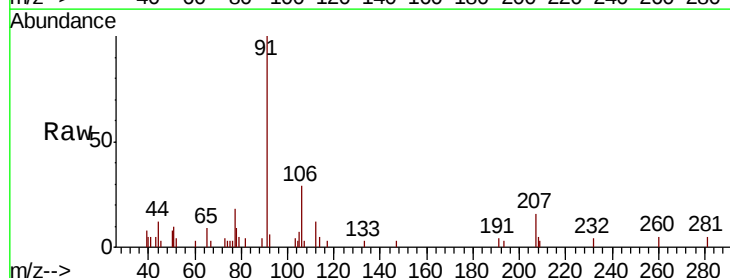
Acq: 14 Nov 2019 16:28

Tgt Ion: 91 Resp: 10447

Ion Ratio Lower Upper

91 100

106 29.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.51

6000

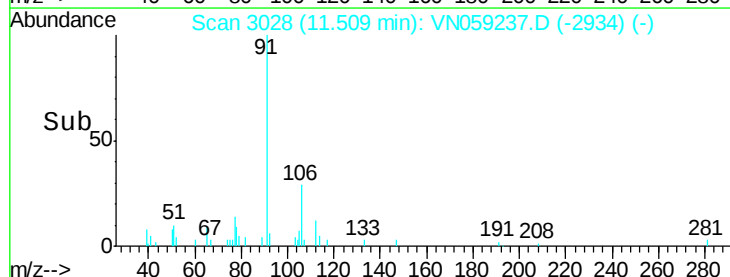
4000

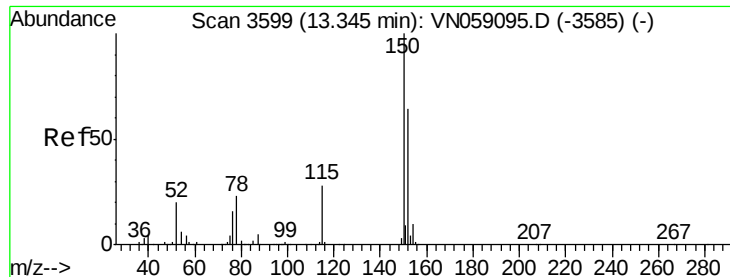
2000

0

11.45 11.50 11.55

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

S36-0160

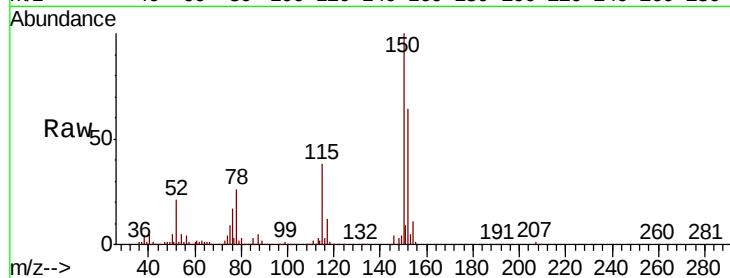
Tot Ion:152 Resp: 234194

Ion Ratio Lower Upper

152 100

115 60.1 29.4 88.2

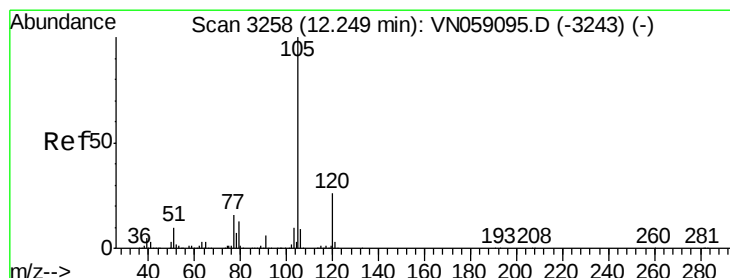
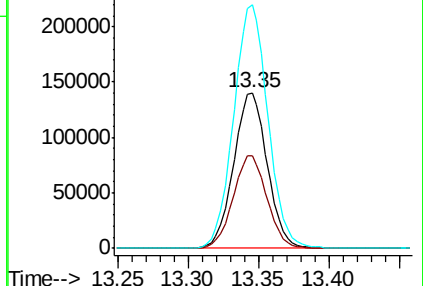
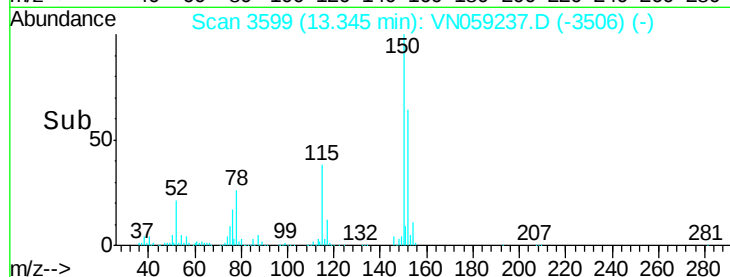
150 159.3 0.0 345.8



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



#73

Isopropylbenzene

Concen: 0.312 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059237.D

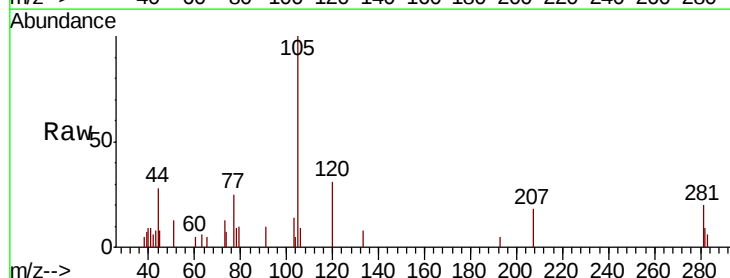
Acq: 14 Nov 2019 16:28

Tgt Ion:105 Resp: 5322

Ion Ratio Lower Upper

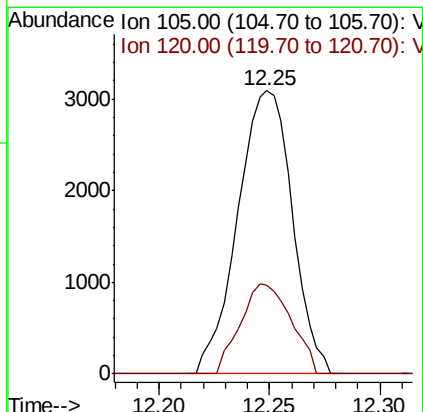
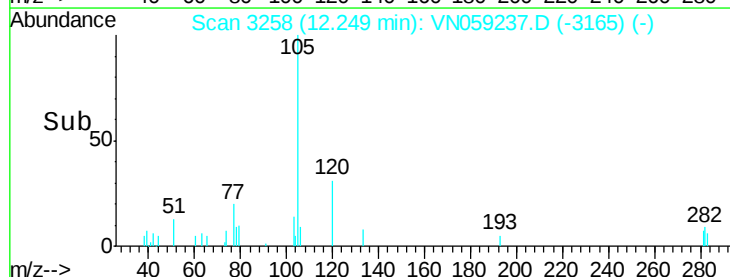
105 100

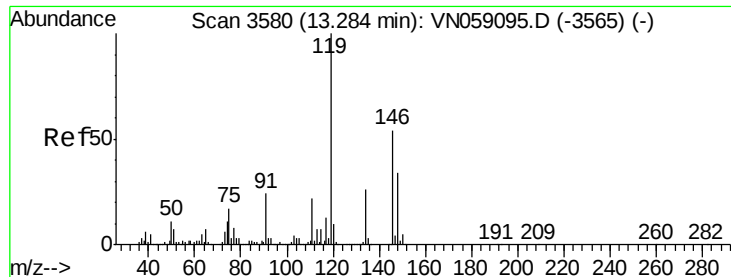
120 29.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

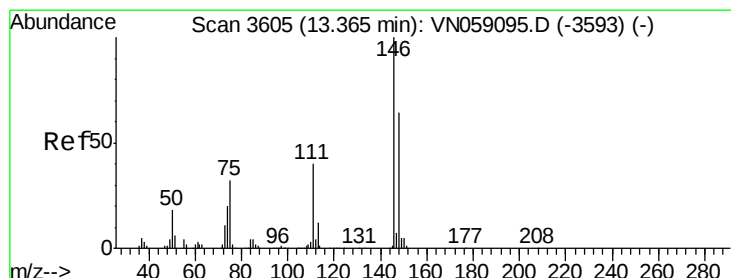
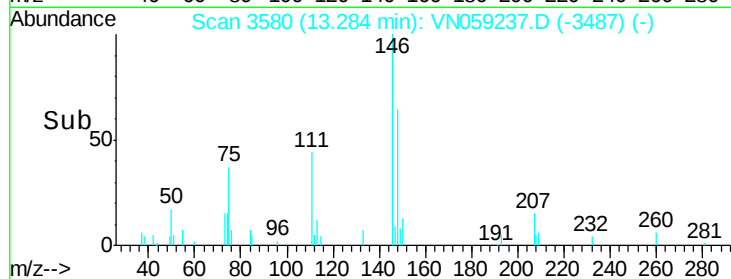
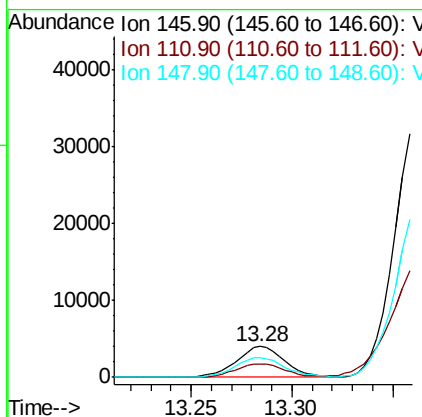
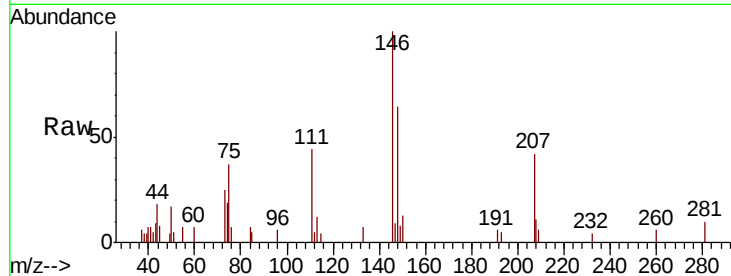




#87
 1,3-Dichlorobenzene
 Concen: 0.912 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059237.D
 Acq: 14 Nov 2019 16:28

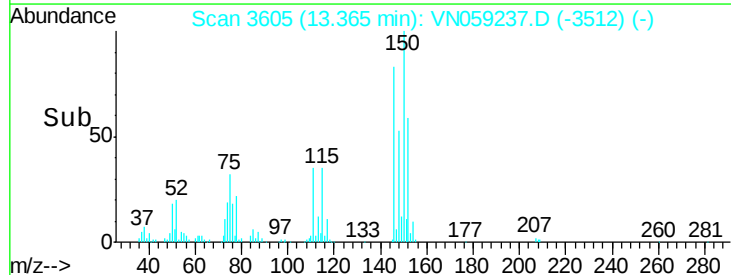
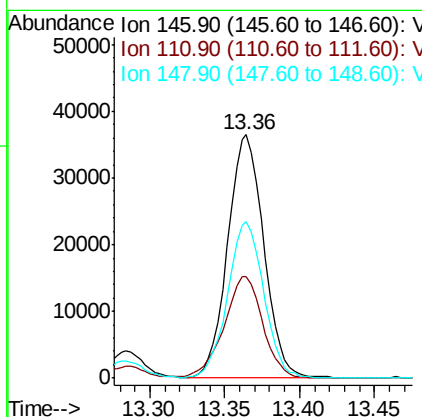
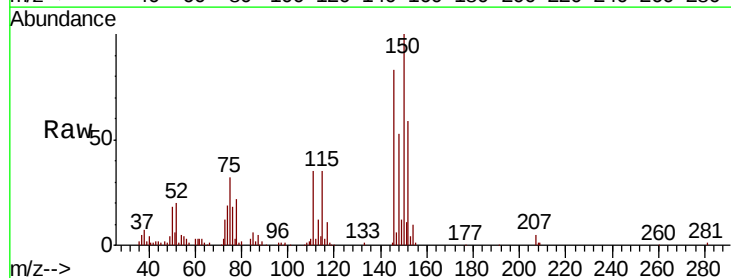
Instrument :
 MSVOA_N
 ClientSampled :
 S36-0160

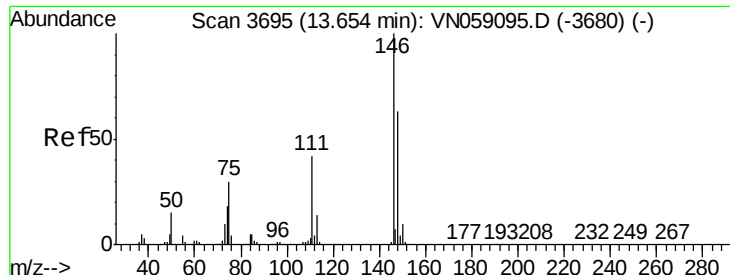
Tot Ion:146 Resp: 6682
 Ion Ratio Lower Upper
 146 100
 111 44.3 20.4 61.3
 148 66.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 8.374 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059237.D
 Acq: 14 Nov 2019 16:28

Tgt Ion:146 Resp: 61405
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.3 60.9
 148 64.3 31.9 95.7





#91

1,2-Dichlorobenzene

Concen: 0.470 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059237.D

Acq: 14 Nov 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

S36-0160

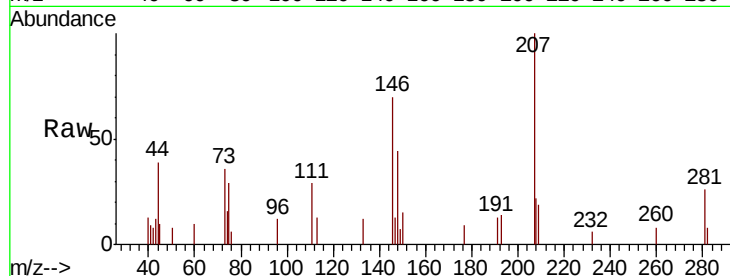
Tot Ion:146 Resp: 3388

Ion Ratio Lower Upper

146 100

111 35.1 21.2 63.6

148 65.7 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

