

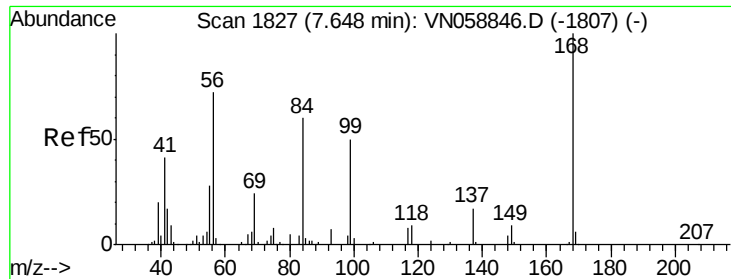
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059045.D
 Acq On : 31 Oct 2019 17:28
 Operator : JC/SP
 Sample : K5626-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003EW296-191029

Quant Time: Nov 01 03:16:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	382300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	598659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	549499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	257859	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	275388	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
35) Dibromofluoromethane	7.57	113	206305	52.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.82%	
50) Toluene-d8	10.08	98	774359	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.41	95	275393	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.16%	
Target Compounds						
					Qvalue	
16) Acetone	3.80	43	15060	5.436	ug/l	96
18) Methyl Acetate	4.32	43	5884	0.934	ug/l #	79
40) Benzene	8.03	78	34889	1.939	ug/l	97
65) Chlorobenzene	11.43	112	4871300	435.441	ug/l #	71
67) Ethyl Benzene	11.51	91	14518	0.740	ug/l	89
69) o-Xylene	11.95	106	3316	0.478	ug/l	93
78) n-propylbenzene	12.60	91	6747	0.303	ug/l	96
79) 2-Chlorotoluene	12.68	91	8673	0.636	ug/l	94
80) 1,3,5-Trimethylbenzene	12.74	105	4548	0.287	ug/l	89
87) 1,3-Dichlorobenzene	13.29	146	890112	107.173	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	2265958	272.505	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	7144288	875.188	ug/l #	67
93) 1,2,4-Trichlorobenzene	14.92	180	21320	6.460	ug/l	97
95) Naphthalene	15.13	128	6946	2.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	2727	2.913	ug/l #	86

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

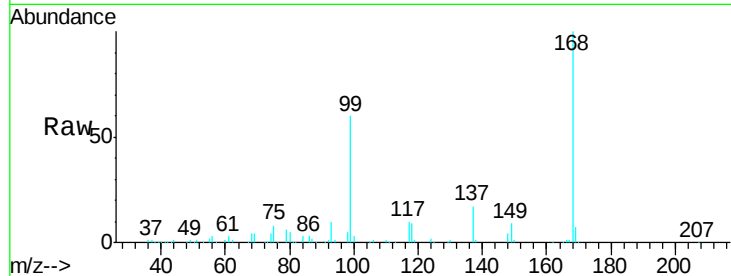
SS003EW296-191029

Tgt Ion:168 Resp: 382300

Ion Ratio Lower Upper

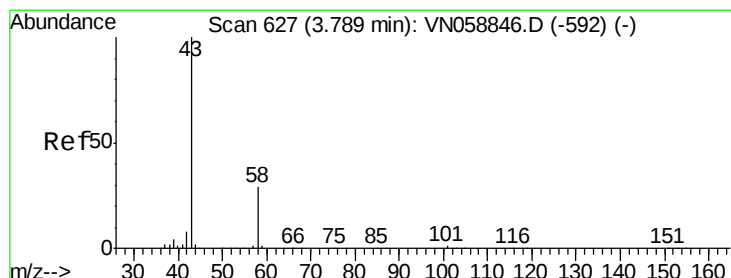
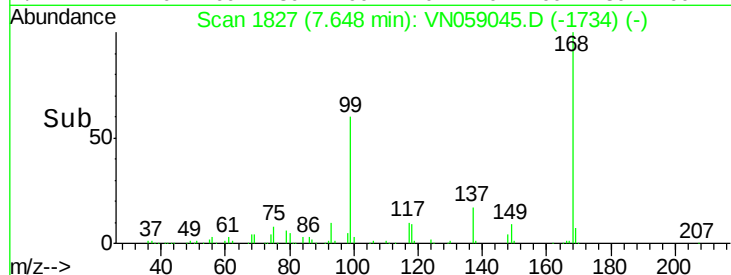
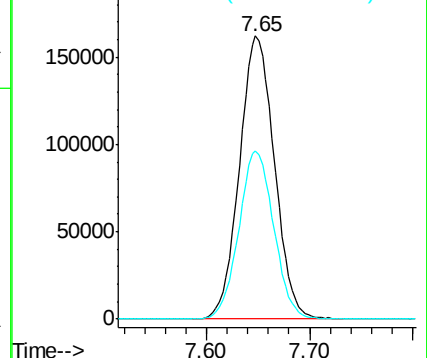
168 100

99 59.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058846.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1807) (-)



#16

Acetone

Concen: 5.436 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059045.D

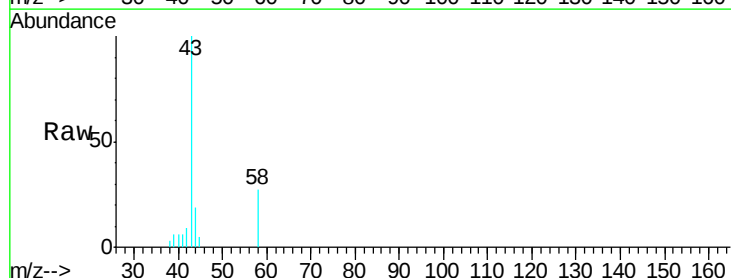
Acq: 31 Oct 2019 17:28

Tgt Ion: 43 Resp: 15060

Ion Ratio Lower Upper

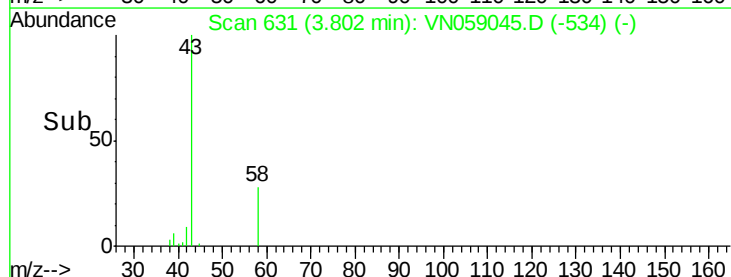
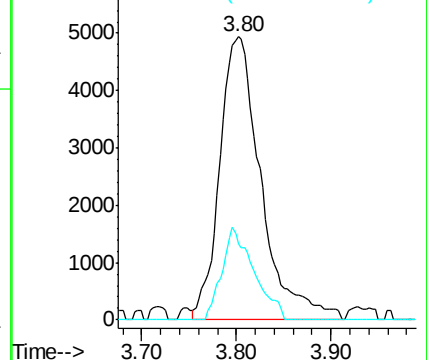
43 100

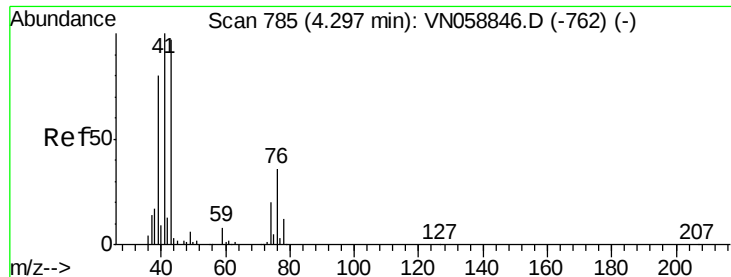
58 26.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

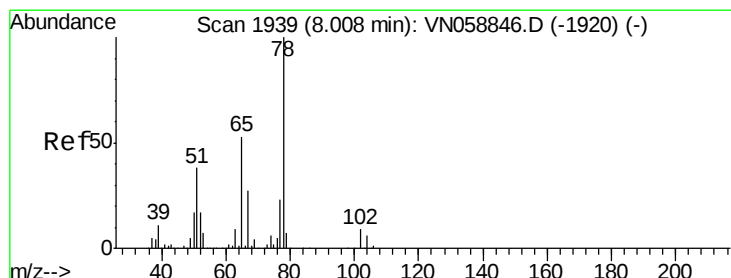
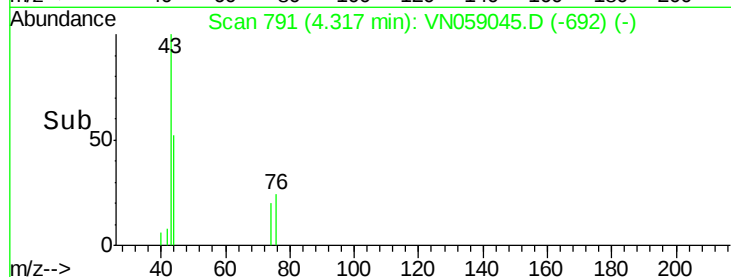
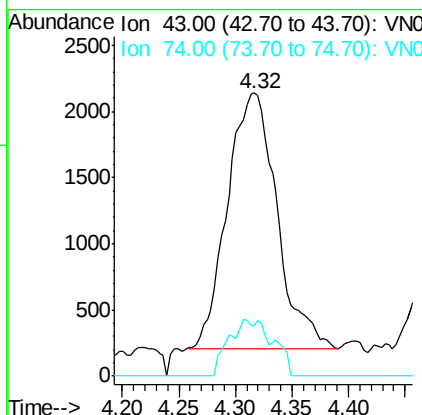
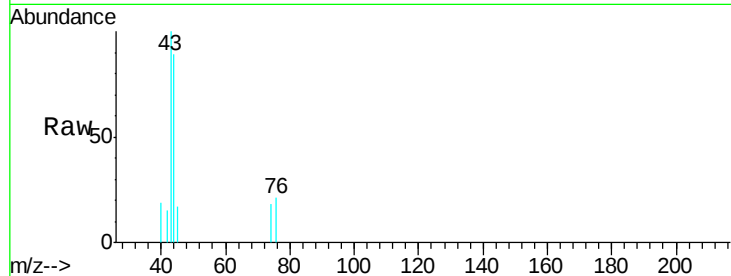




#18
Methyl Acetate
Concen: 0.934 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VN059045.D
Acq: 31 Oct 2019 17:28

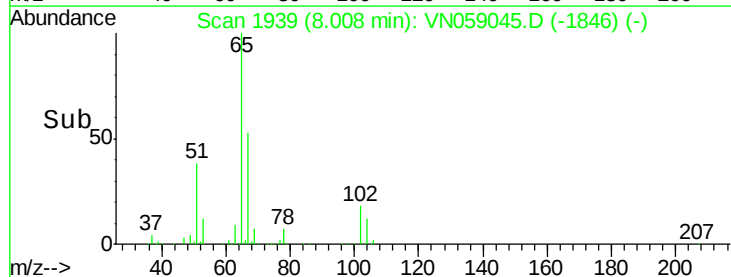
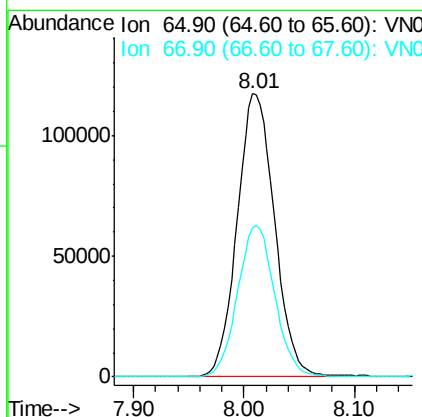
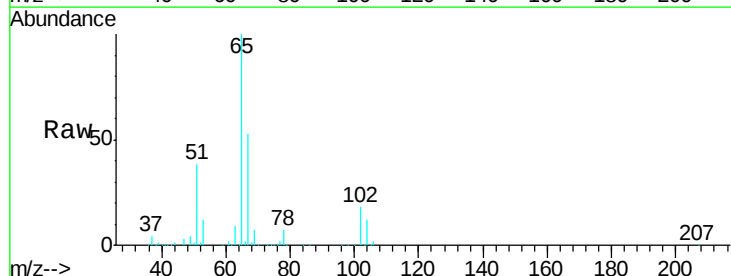
Instrument :
MSVOA_N
ClientSampleId :
SS003EW296-191029

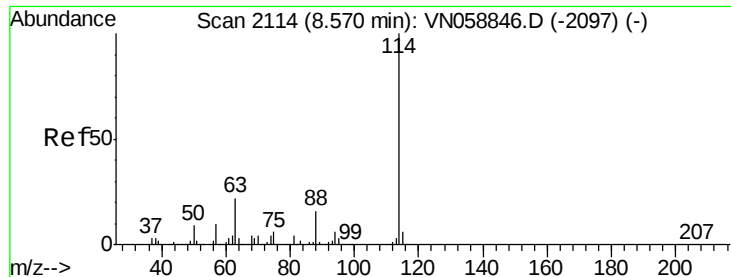
Tgt Ion: 43 Resp: 5884
Ion Ratio Lower Upper
43 100
74 11.3 17.1 25.7#



#33
1,2-Dichloroethane-d4
Concen: 49.115 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059045.D
Acq: 31 Oct 2019 17:28

Tgt Ion: 65 Resp: 275388
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

SS003EW296-191029

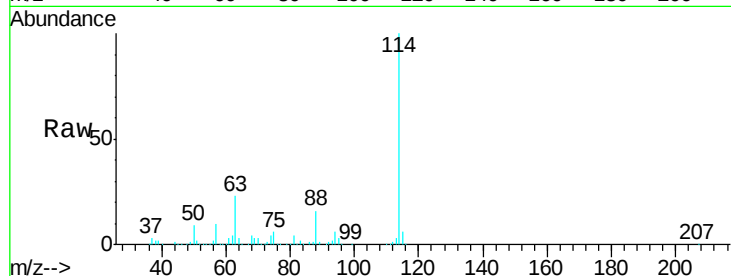
Tgt Ion:114 Resp: 598659

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.4

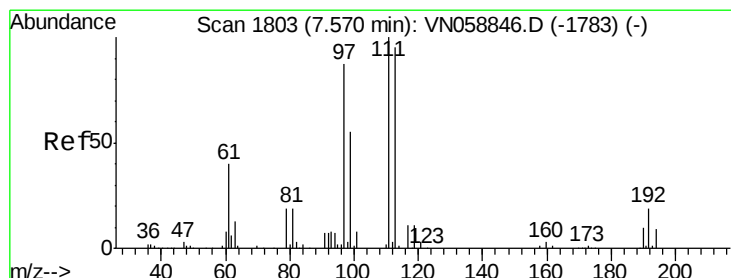
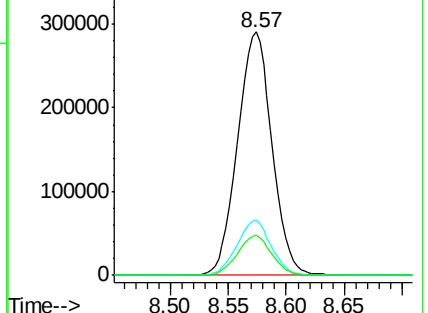
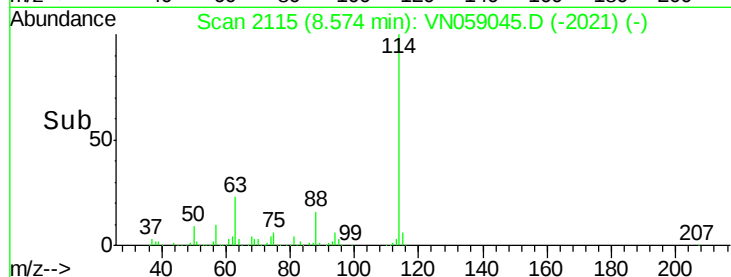
88 16.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 52.415 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

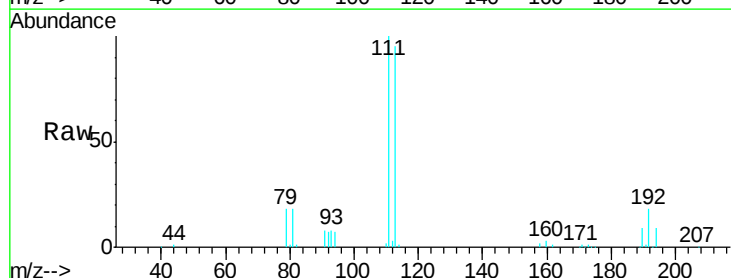
Tgt Ion:113 Resp: 206305

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

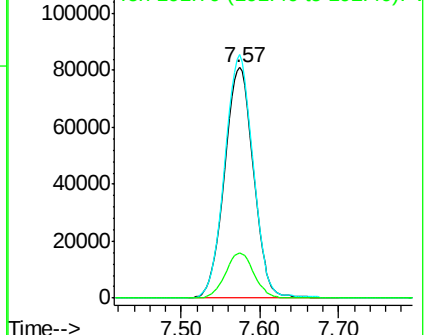
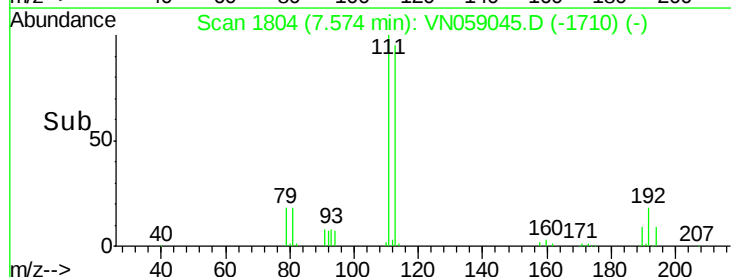
192 19.0 15.0 22.6

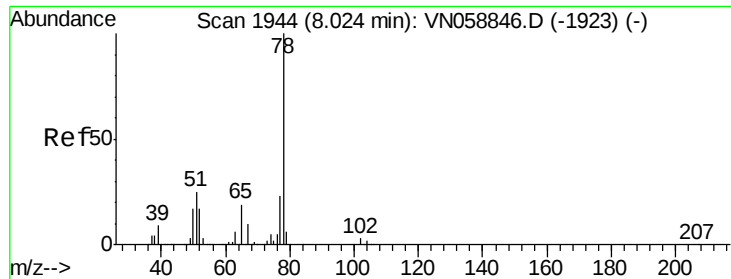


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.939 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

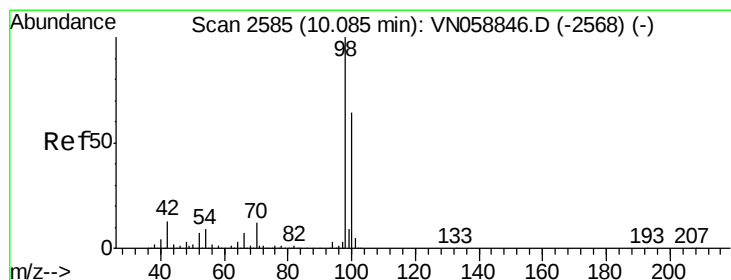
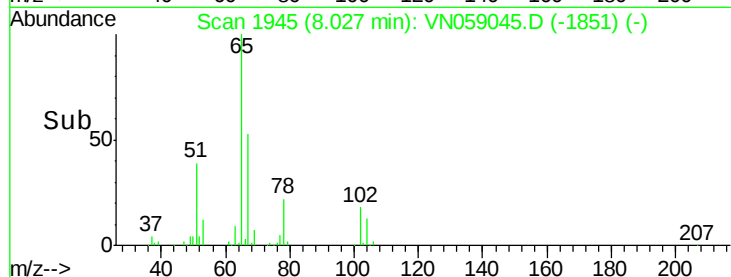
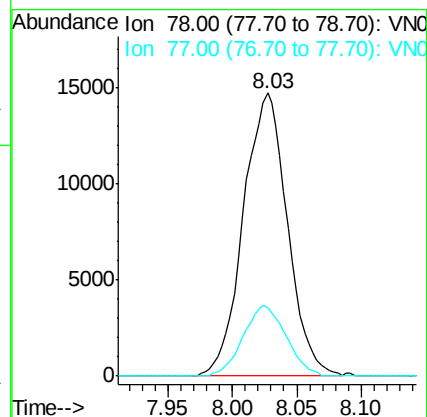
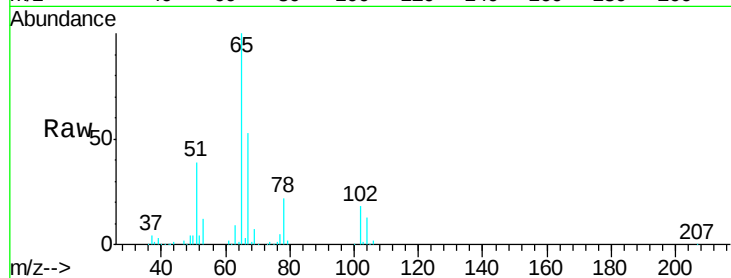
SS003EW296-191029

Tgt Ion: 78 Resp: 34889

Ion Ratio Lower Upper

78 100

77 24.3 18.2 27.2



#50

Toluene-d8

Concen: 50.681 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN059045.D

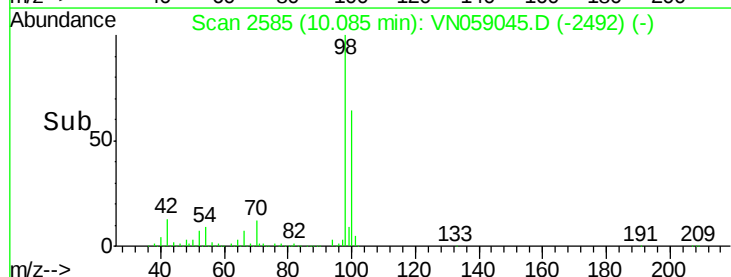
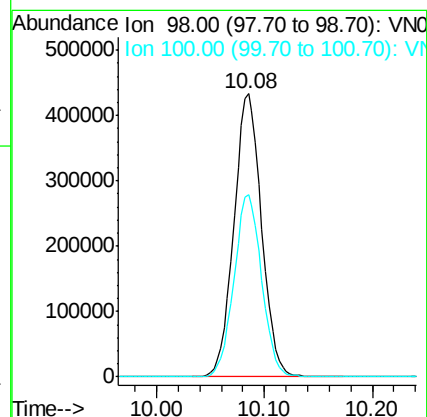
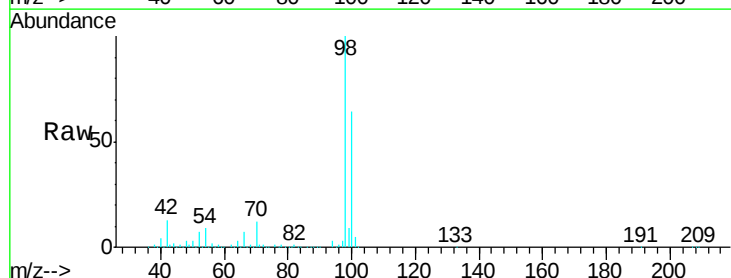
Acq: 31 Oct 2019 17:28

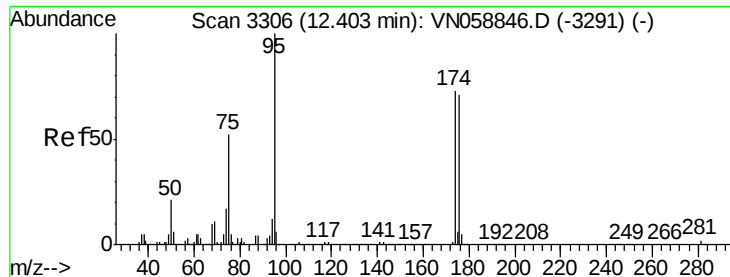
Tgt Ion: 98 Resp: 774359

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 49.082 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

SS003EW296-191029

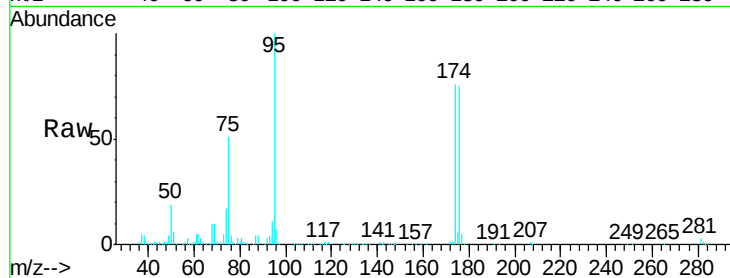
Tgt Ion: 95 Resp: 275393

Ion Ratio Lower Upper

95 100

174 76.5 0.0 147.6

176 74.0 0.0 143.2

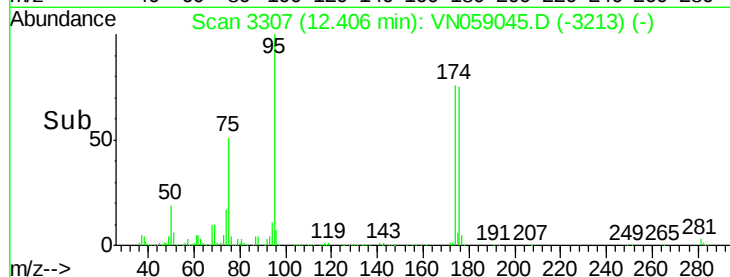


Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)

Time--> 12.30 12.40 12.50

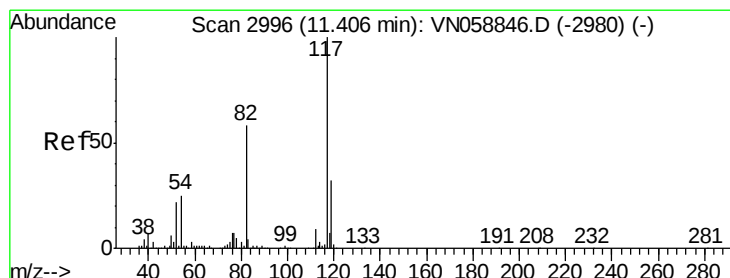


Abundance Ion 94.90 (94.60 to 95.60): VN059045.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN059045.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN059045.D (-3213) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

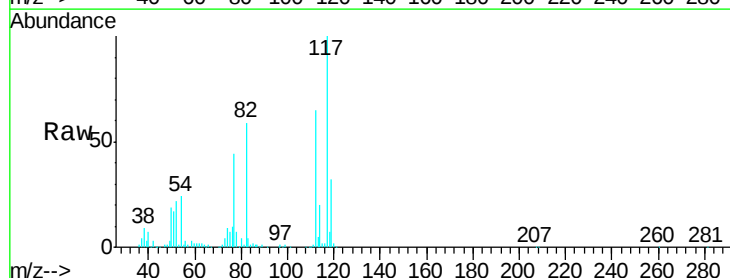
Tgt Ion: 117 Resp: 549499

Ion Ratio Lower Upper

117 100

82 59.0 46.6 69.8

119 31.7 25.6 38.4

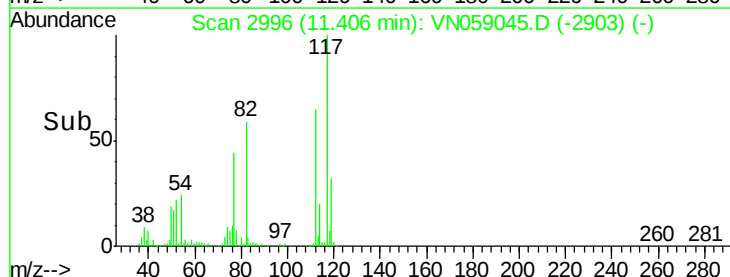


Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)

Time--> 11.30 11.40 11.50

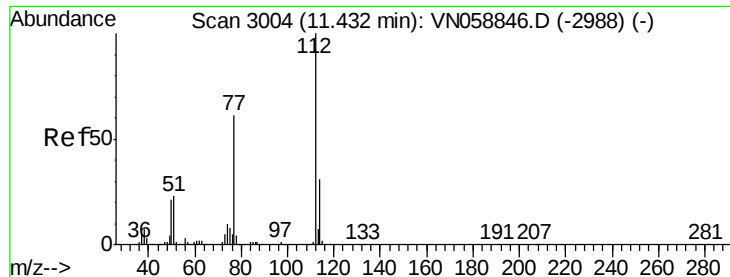


Abundance Ion 116.90 (116.60 to 117.60): VN059045.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN059045.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN059045.D (-2903) (-)

Time--> 11.30 11.40 11.50



#65

Chlorobenzene

Concen: 435.441 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

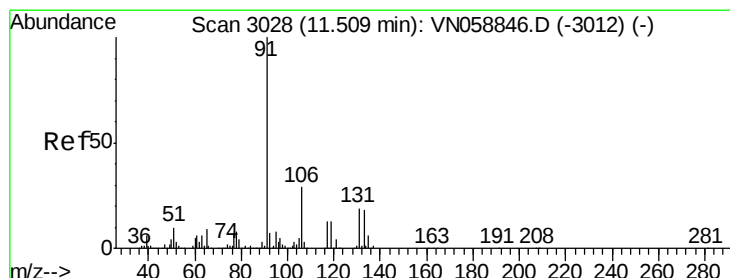
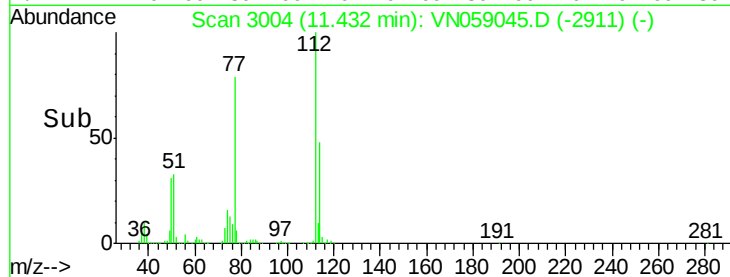
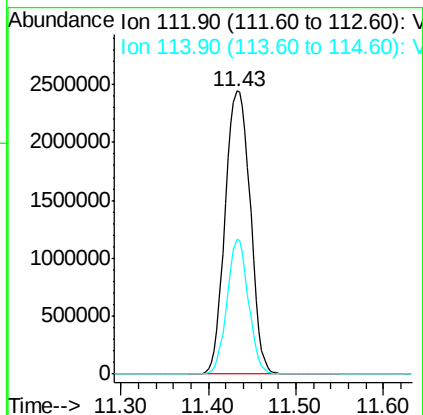
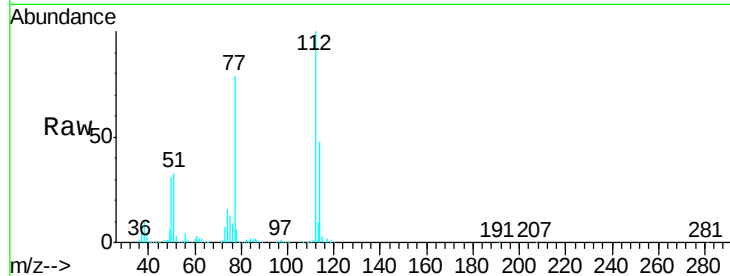
SS003EW296-191029

Tgt Ion:112 Resp: 4871300

Ion Ratio Lower Upper

112 100

114 47.6 25.1 37.7#



#67

Ethyl Benzene

Concen: 0.740 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059045.D

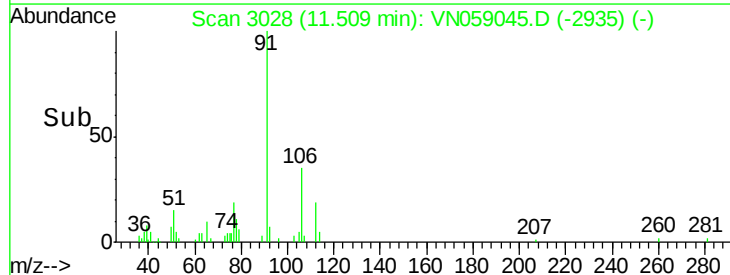
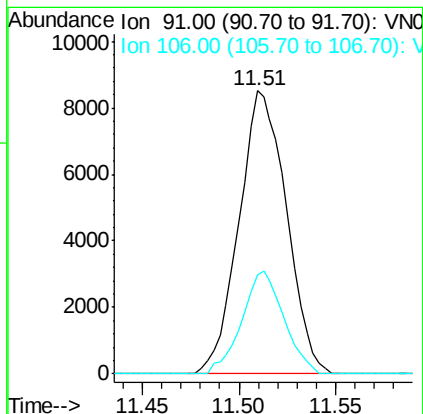
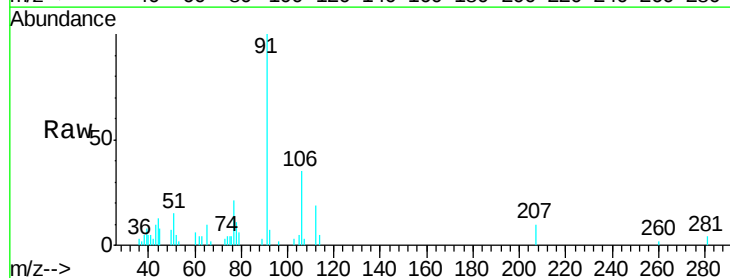
Acq: 31 Oct 2019 17:28

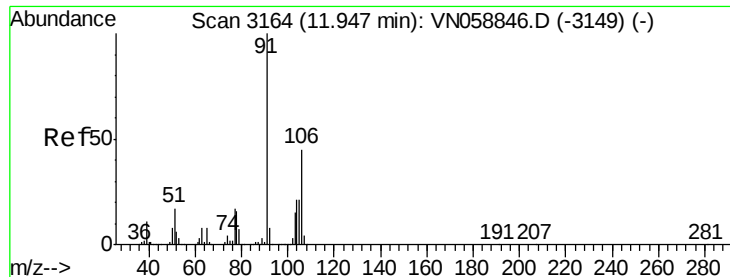
Tgt Ion: 91 Resp: 14518

Ion Ratio Lower Upper

91 100

106 34.9 23.4 35.0

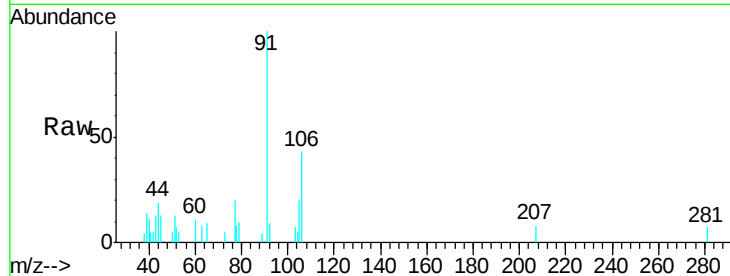




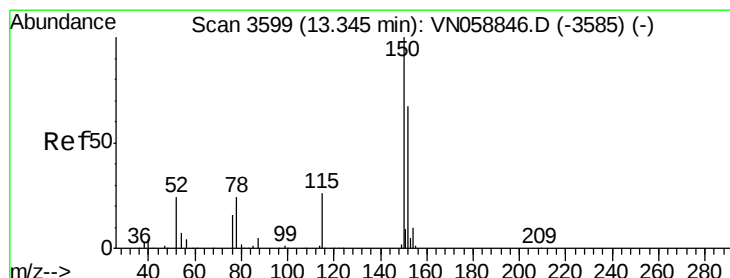
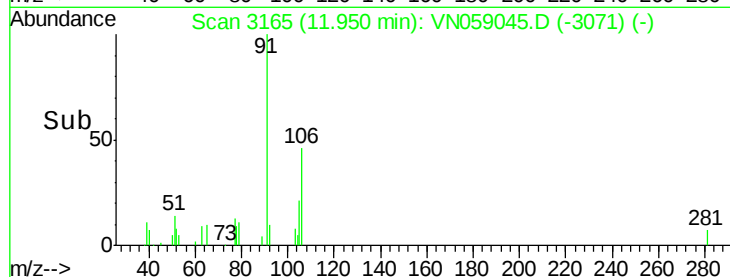
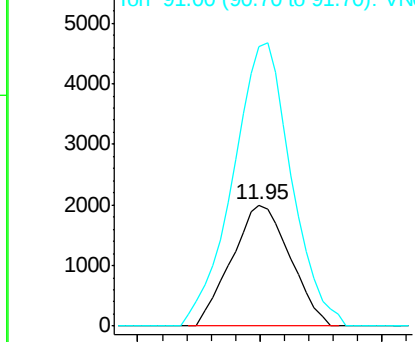
#69
o-Xylene
Concen: 0.478 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059045.D
Acq: 31 Oct 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
SS003EW296-191029

Tgt Ion:106 Resp: 3316
Ion Ratio Lower Upper
106 100
91 233.9 111.5 334.4

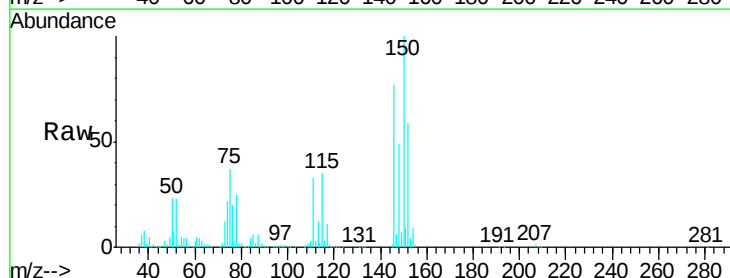


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VNO

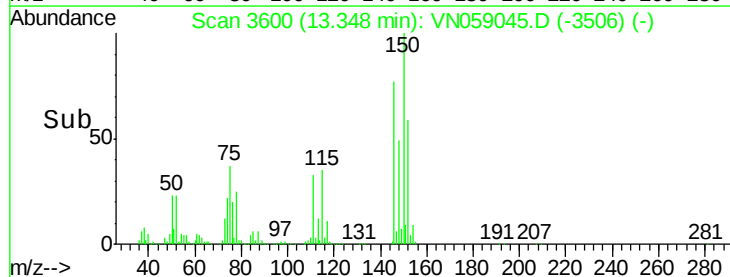
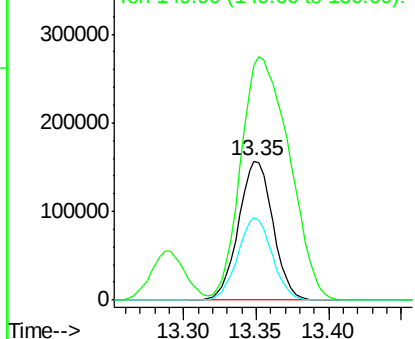


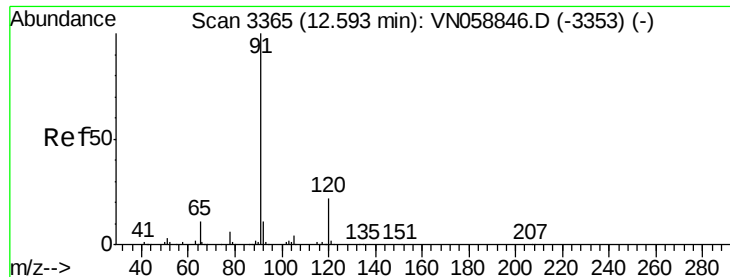
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059045.D
Acq: 31 Oct 2019 17:28

Tgt Ion:152 Resp: 257859
Ion Ratio Lower Upper
152 100
115 59.3 30.5 91.5
150 247.6 0.0 344.4



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





#78

n-propylbenzene

Concen: 0.303 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

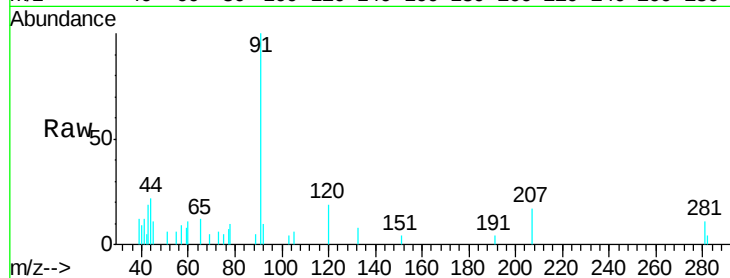
SS003EW296-191029

Tgt Ion: 91 Resp: 6747

Ion Ratio Lower Upper

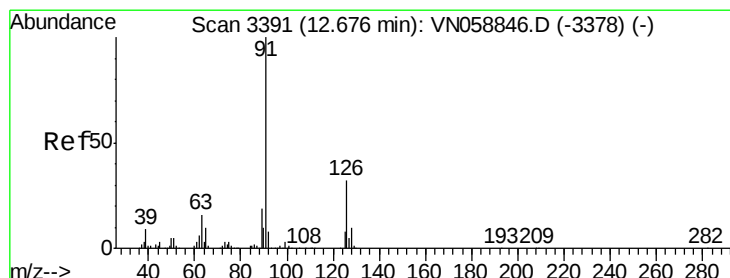
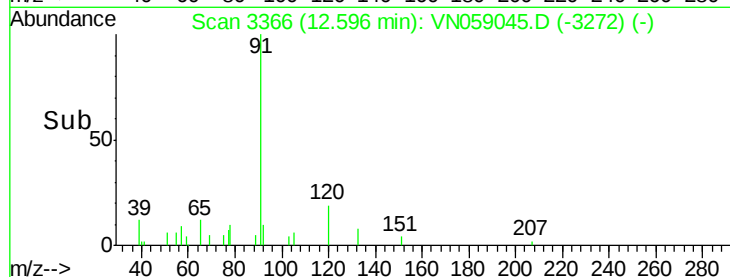
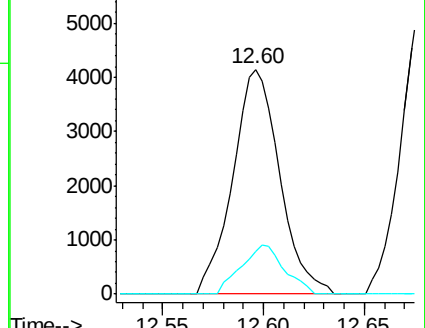
91 100

120 20.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3353) (-)



#79

2-Chlorotoluene

Concen: 0.636 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN059045.D

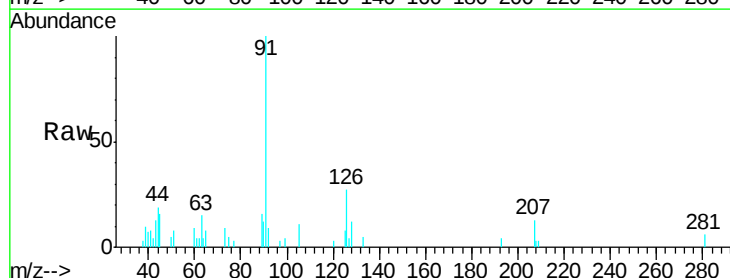
Acq: 31 Oct 2019 17:28

Tgt Ion: 91 Resp: 8673

Ion Ratio Lower Upper

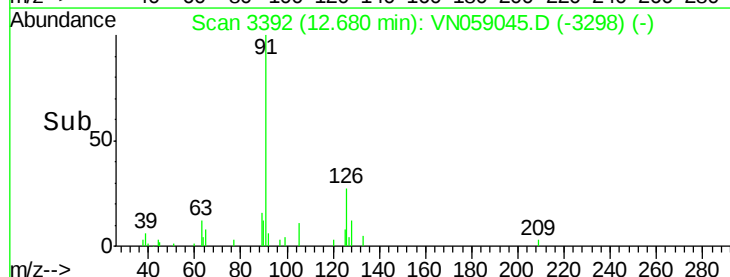
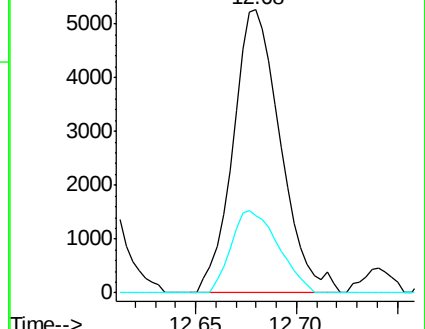
91 100

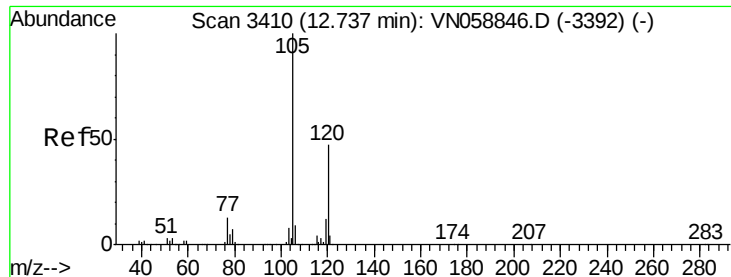
126 28.9 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.287 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

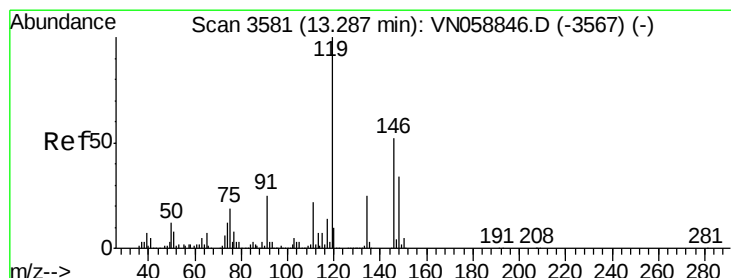
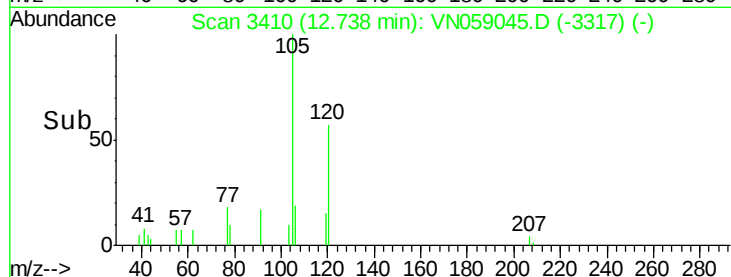
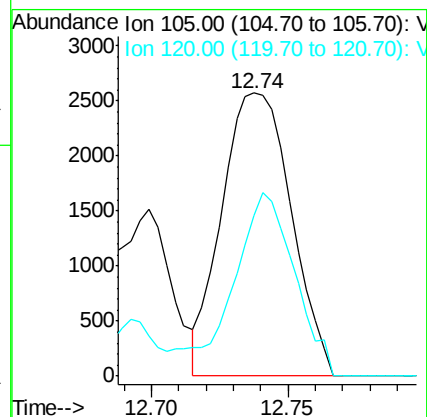
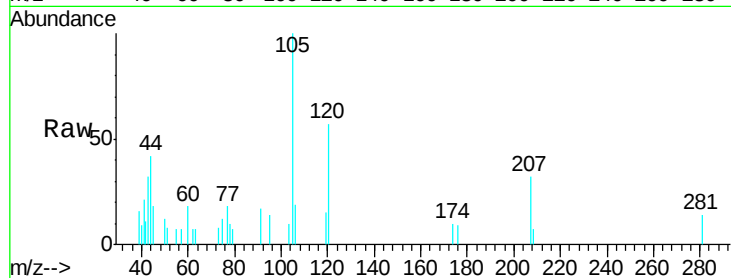
SS003EW296-191029

Tgt Ion:105 Resp: 4548

Ion Ratio Lower Upper

105 100

120 55.4 23.8 71.5



#87

1,3-Dichlorobenzene

Concen: 107.173 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059045.D

Acq: 31 Oct 2019 17:28

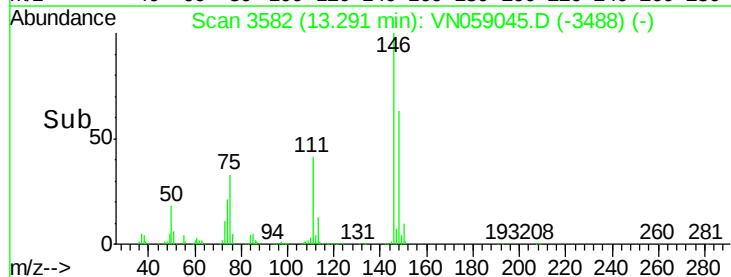
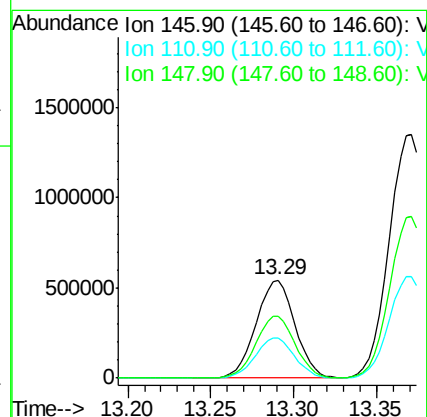
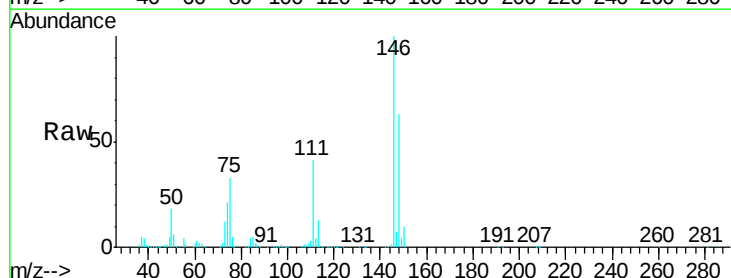
Tgt Ion:146 Resp: 890112

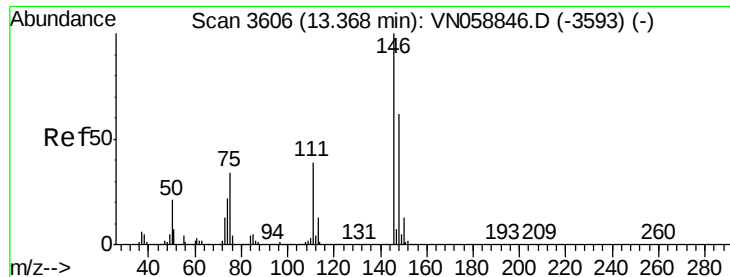
Ion Ratio Lower Upper

146 100

111 41.4 21.0 63.0

148 63.8 32.1 96.3

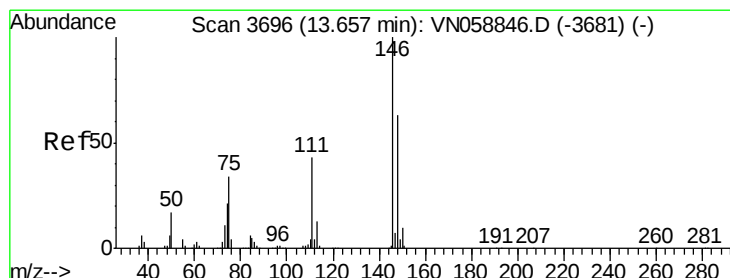
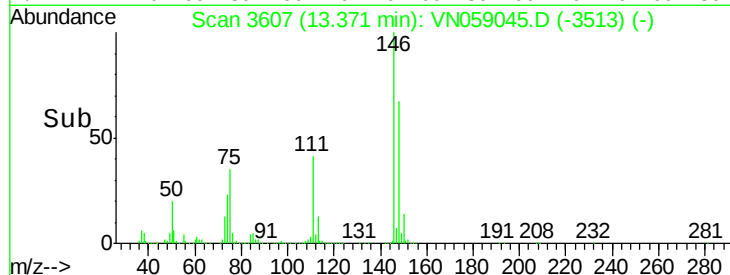
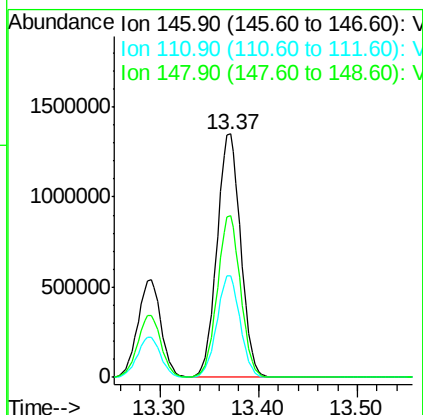
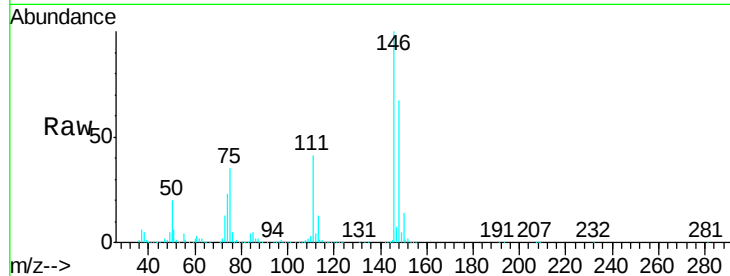




#88
 1,4-Dichlorobenzene
 Concen: 272.505 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN059045.D
 Acq: 31 Oct 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003EW296-191029

Tgt Ion:146 Resp: 2265958
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.2 60.6
 148 65.4 31.6 94.7



#91
 1,2-Dichlorobenzene
 Concen: 875.188 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN059045.D
 Acq: 31 Oct 2019 17:28

Tgt Ion:146 Resp: 7144288
 Ion Ratio Lower Upper
 146 100
 111 69.2 21.6 64.8#
 148 85.4 31.9 95.9

