

Data File : VN057052.D
Acq On : 2 Aug 2019 9:30
Operator : JC/SP
Sample : VN0802WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBL01

Quant Time: Aug 03 04:20:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	571145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	823568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	668881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	312707	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
35) Dibromofluoromethane	7.58	113	290851	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
50) Toluene-d8	10.08	98	1085876	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.40	95	284863	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	

Target Compounds

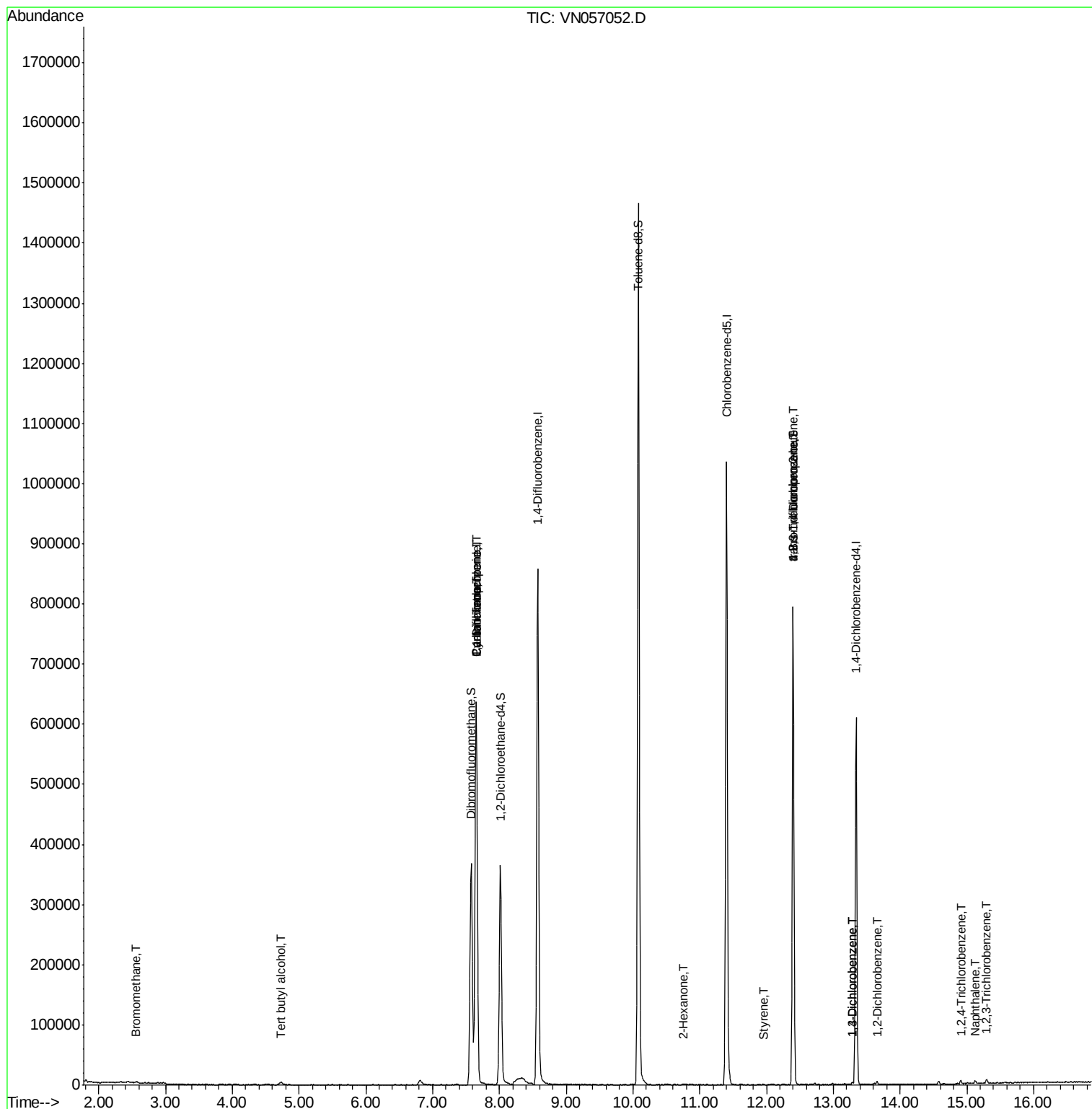
						Qvalue
5) Bromomethane	2.57	94	1143	0.284	ug/l	87
11) Tert butyl alcohol	4.73	59	4075	5.157	ug/l #	74
31) Cyclohexane	7.65	56	8545	0.889	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	36204	4.996	ug/l #	44
38) Carbon Tetrachloride	7.65	117	49545	7.228	ug/l #	17
59) 2-Hexanone	10.75	43	1052	2.737	ug/l #	57
70) Styrene	11.97	104	292	1.886	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	131330	35.832	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131330	115.126	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	1720	0.278	ug/l	87
88) 1,4-Dichlorobenzene	13.28	146	1720	0.289	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	2811	0.461	ug/l	87
93) 1,2,4-Trichlorobenzene	14.91	180	2662	3.512	ug/l	98
94) Hexachlorobutadiene	15.01	225	348	Below Cal	#	64
95) Naphthalene	15.12	128	4713	4.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	3464	3.095	ug/l	93

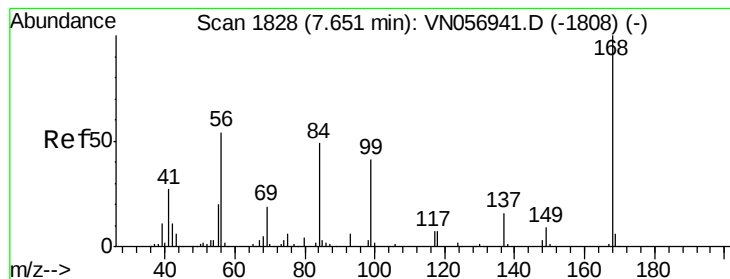
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057052.D

Acq: 2 Aug 2019 9:30

Instrument :

MSVOA_N

ClientSampled :

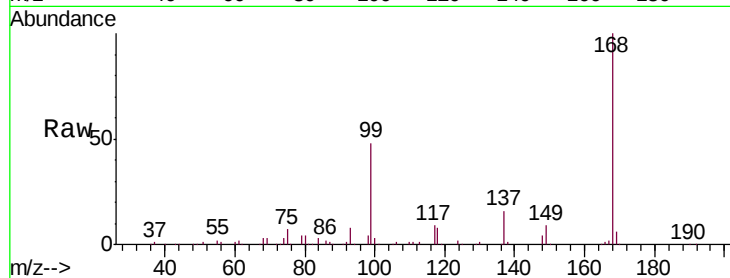
VN0802WBL01

Tgt Ion:168 Resp: 571145

Ion Ratio Lower Upper

168 100

99 48.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

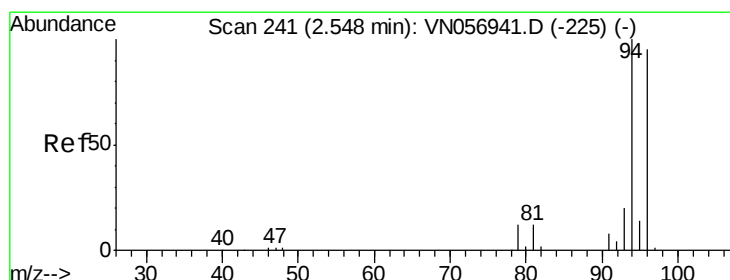
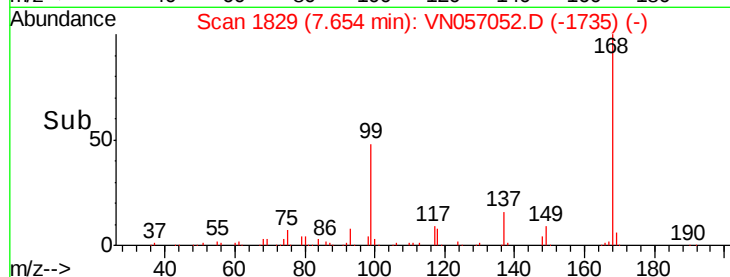
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.284 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN057052.D

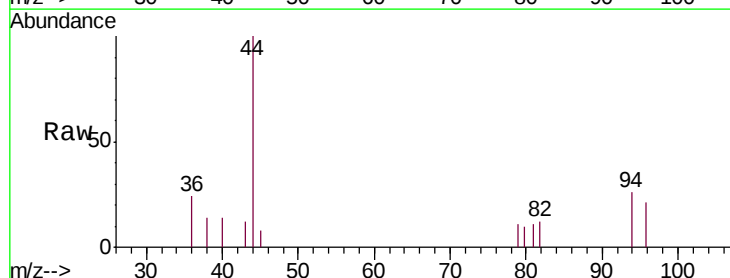
Acq: 2 Aug 2019 9:30

Tgt Ion: 94 Resp: 1143

Ion Ratio Lower Upper

94 100

96 82.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

600

500

400

300

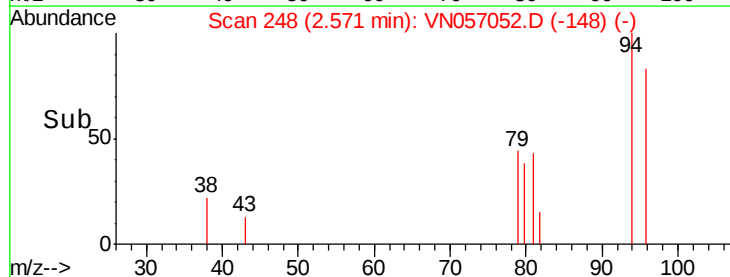
200

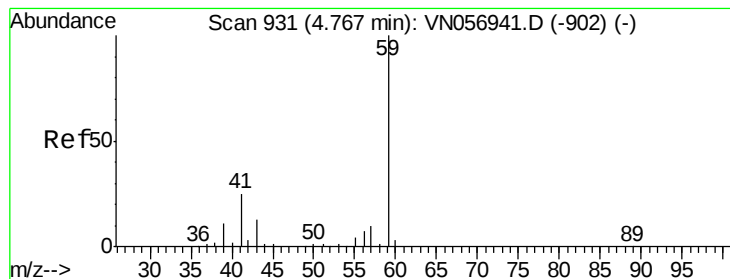
100

0

2.55 2.60

Time-->



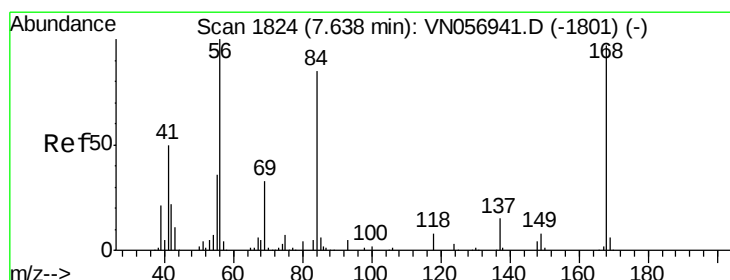
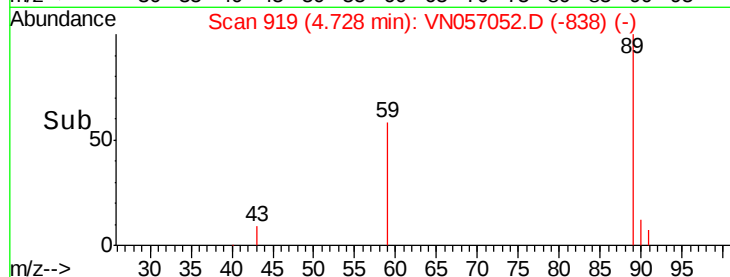
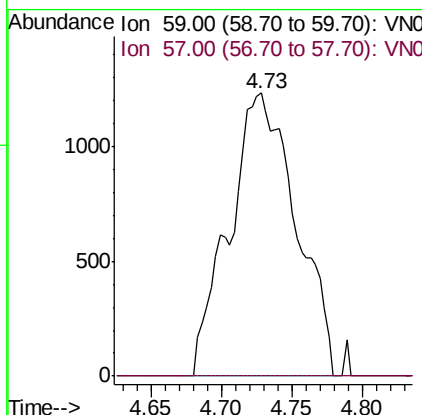
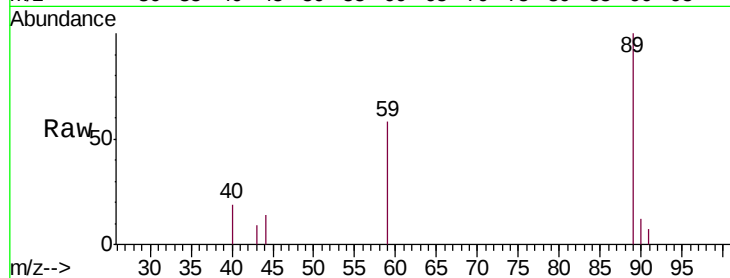


#11

Tert butyl alcohol
 Concen: 5.157 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.04 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBL01

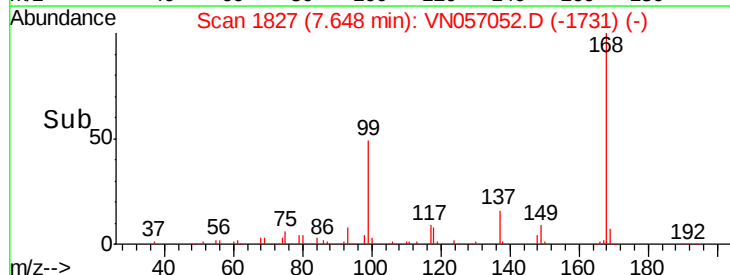
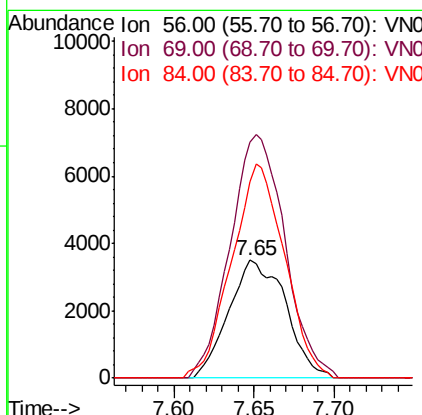
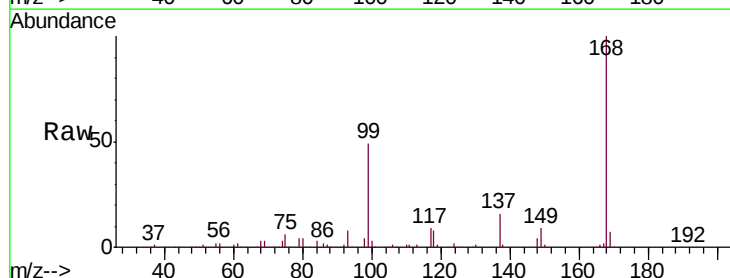
Tgt Ion: 59 Resp: 4075
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

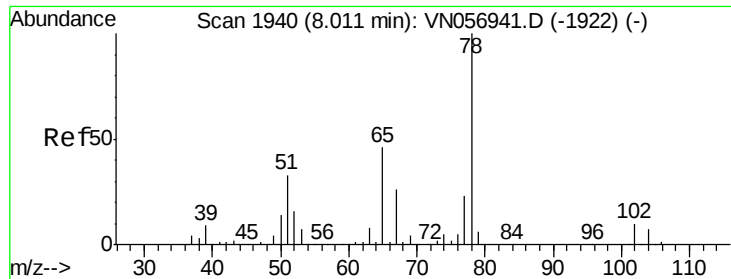


#31

Cyclohexane
 Concen: 0.889 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

Tgt Ion: 56 Resp: 8545
 Ion Ratio Lower Upper
 56 100
 69 200.2 26.2 39.2#
 84 166.8 68.2 102.2#

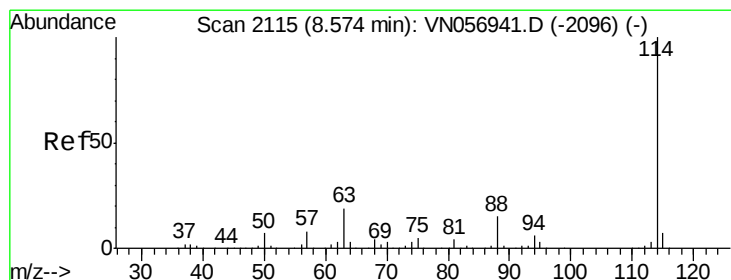
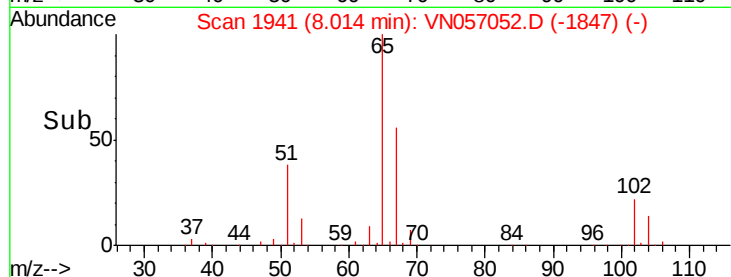
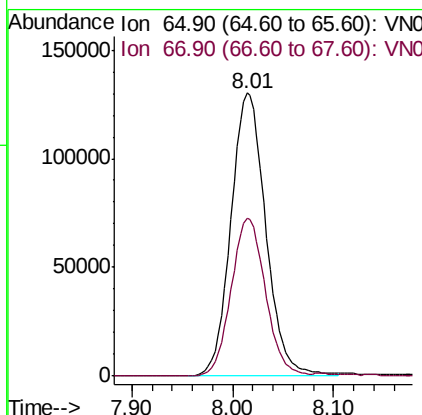
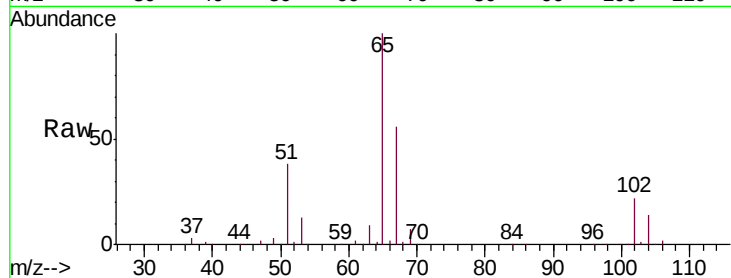




#33
 1,2-Dichloroethane-d4
 Concen: 53.486 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

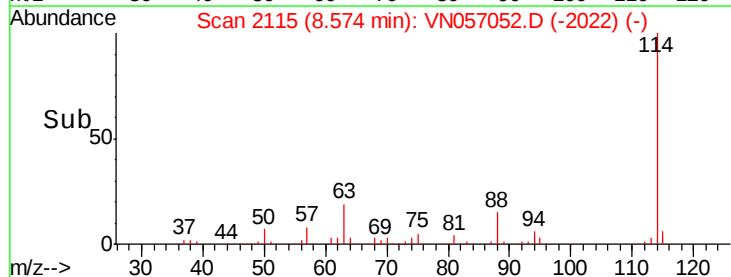
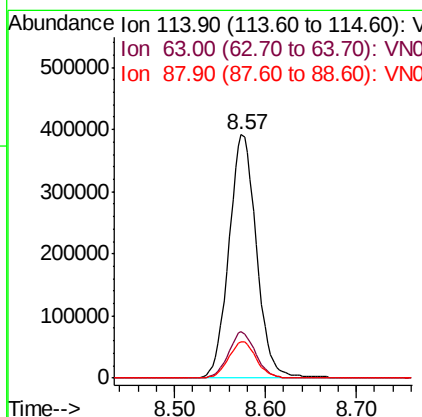
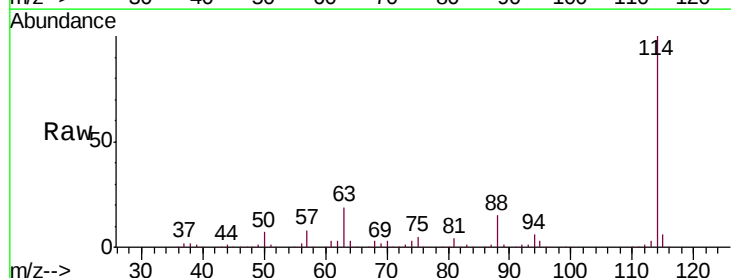
Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBL01

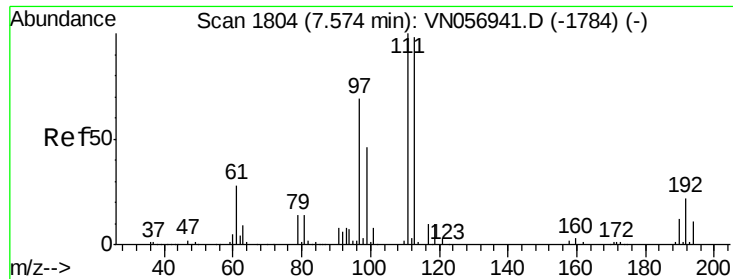
Tgt Ion: 65 Resp: 312707
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

Tgt Ion: 114 Resp: 823568
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.1 0.0 30.0

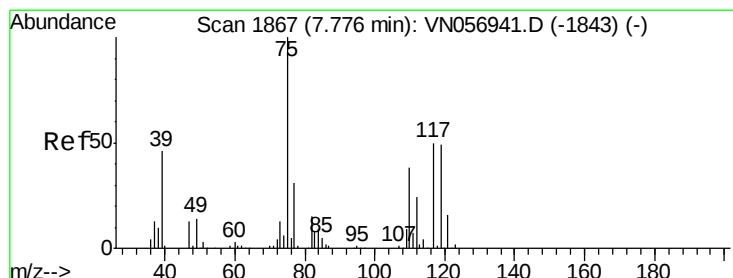
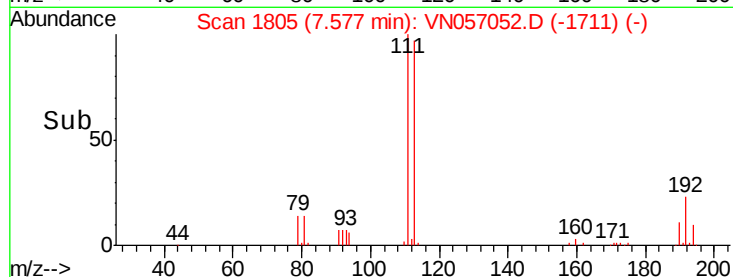
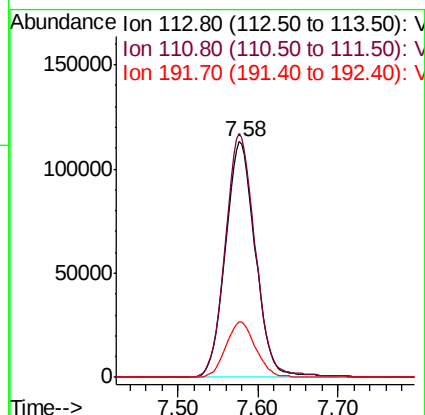
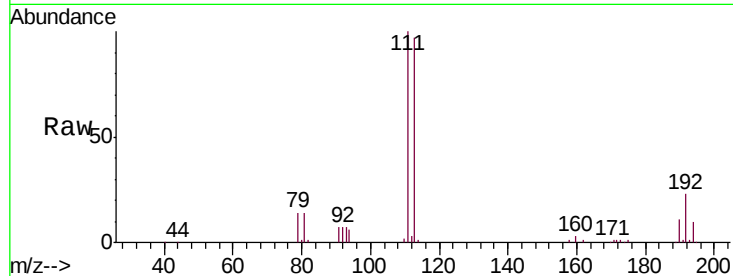




#35
 Dibromofluoromethane
 Concen: 55.167 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

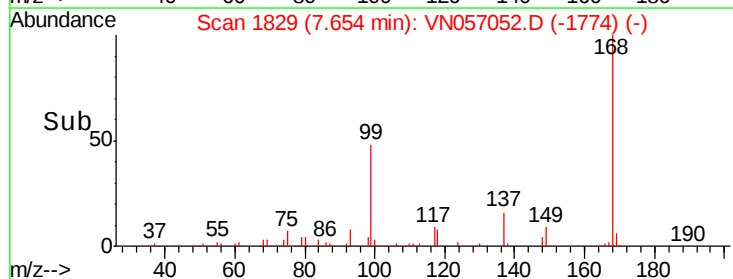
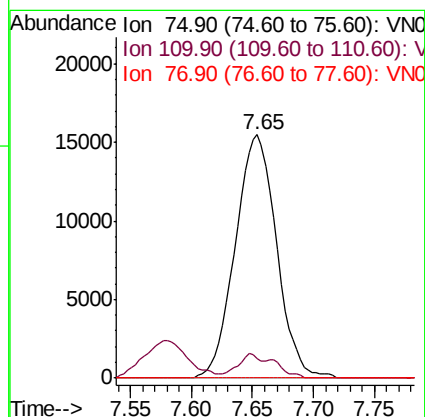
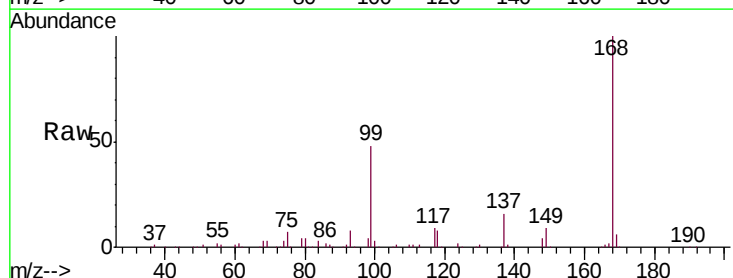
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBL01

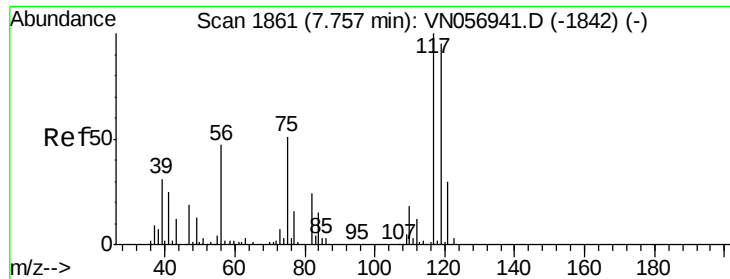
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	23.3	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.3	18.6	55.8#
77	0.0	25.2	37.8#

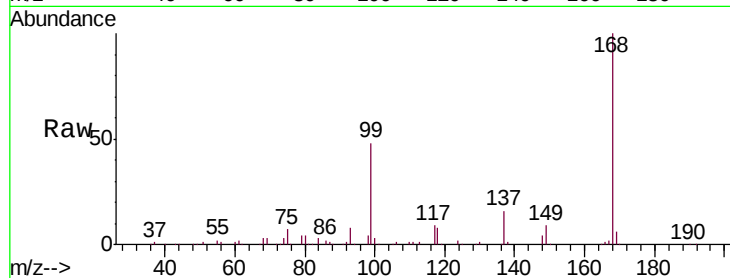




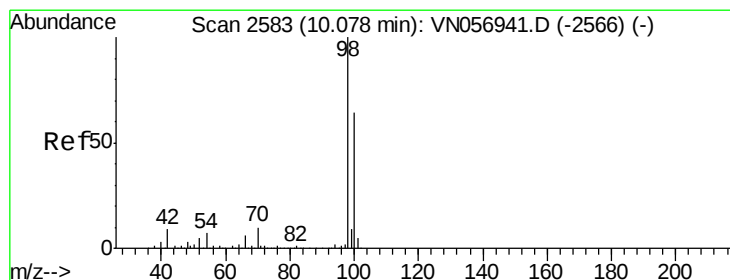
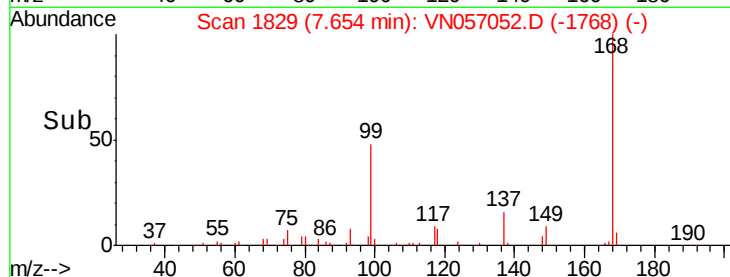
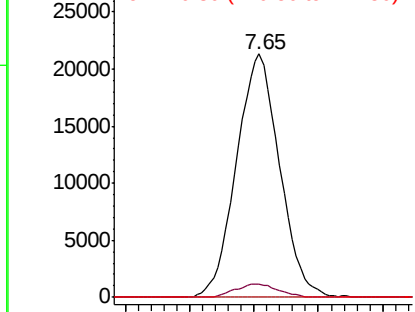
#38
Carbon Tetrachloride
Concen: 7.228 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.10 min
Lab File: VN057052.D
Acq: 2 Aug 2019 9:30

Instrument :
MSVOA_N
ClientSampled :
VN0802WBL01

Tgt Ion:117 Resp: 49545
Ion Ratio Lower Upper
117 100
119 5.4 75.3 112.9#
121 0.0 24.2 36.4#

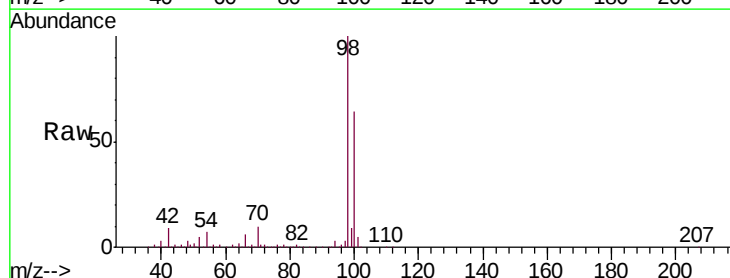


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

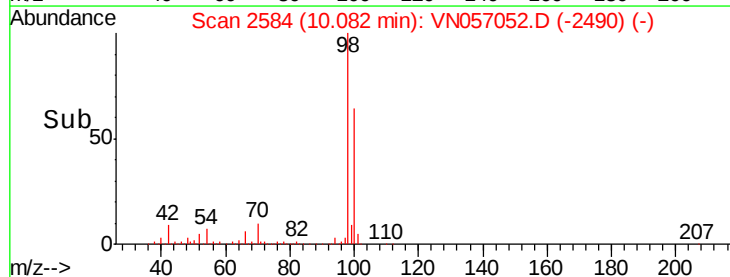
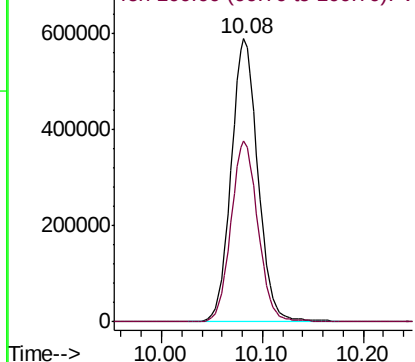


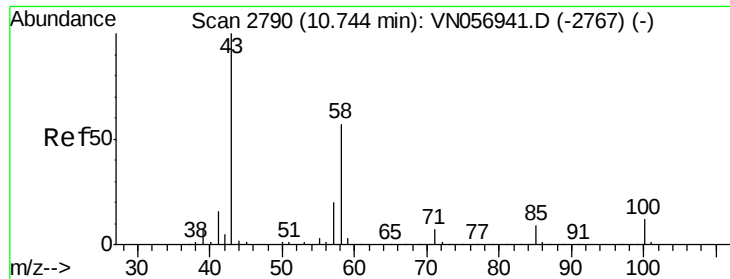
#50
Toluene-d8
Concen: 54.009 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057052.D
Acq: 2 Aug 2019 9:30

Tgt Ion: 98 Resp: 1085876
Ion Ratio Lower Upper
98 100
100 64.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#59

2-Hexanone

Concen: 2.737 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN057052.D

Acq: 2 Aug 2019 9:30

Instrument :

MSVOA_N

ClientSampled :

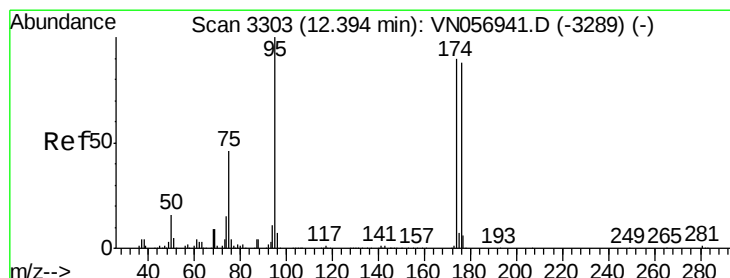
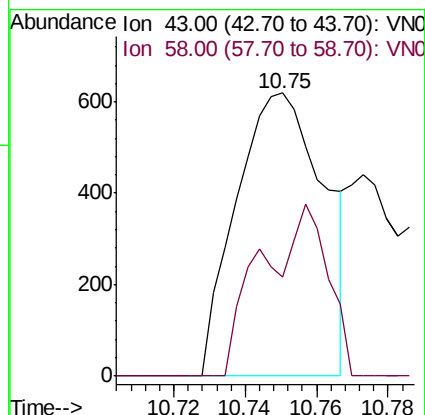
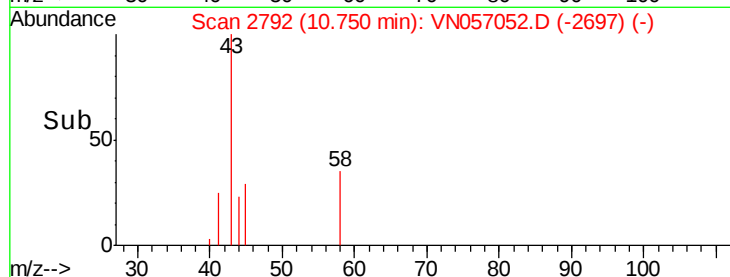
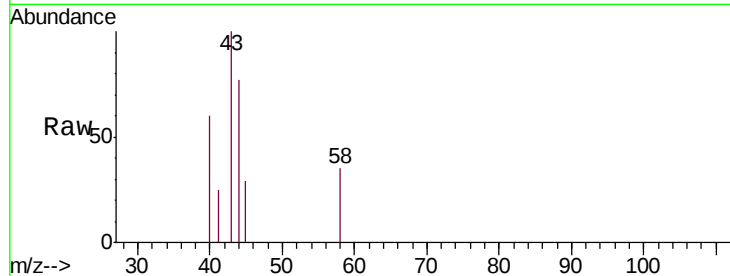
VN0802WBL01

Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

43 100

58 25.1 28.5 85.5#



#62

4-Bromofluorobenzene

Concen: 43.522 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057052.D

Acq: 2 Aug 2019 9:30

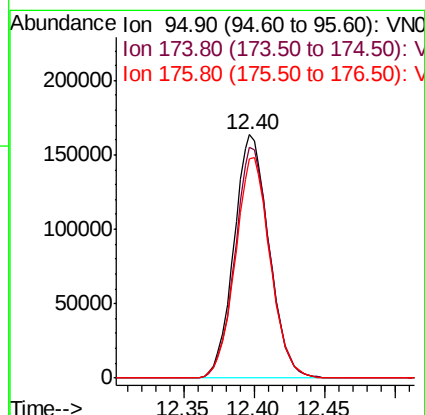
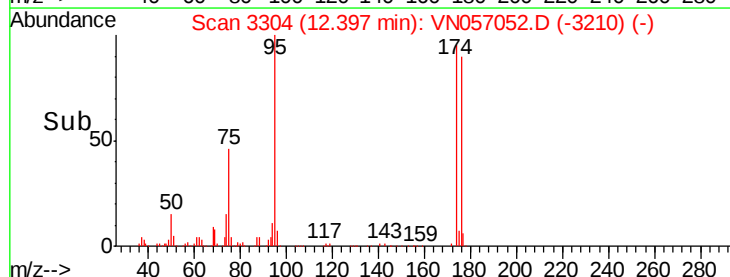
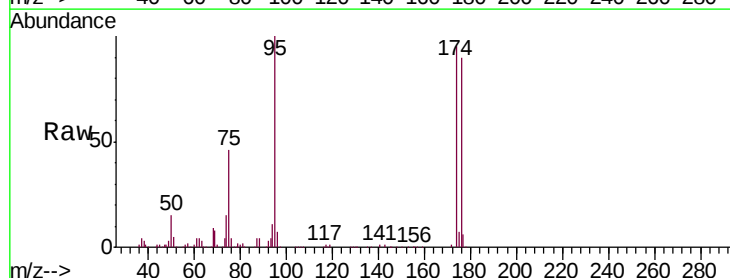
Tgt Ion: 95 Resp: 284863

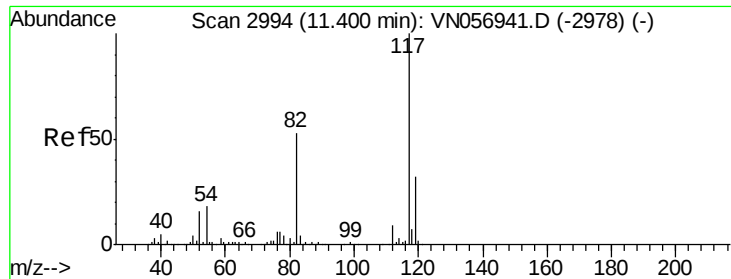
Ion Ratio Lower Upper

95 100

174 94.3 0.0 182.2

176 90.3 0.0 179.4

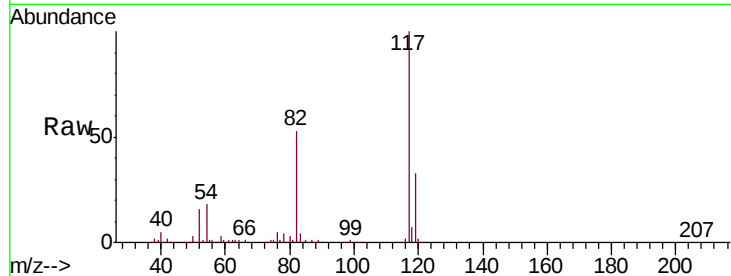




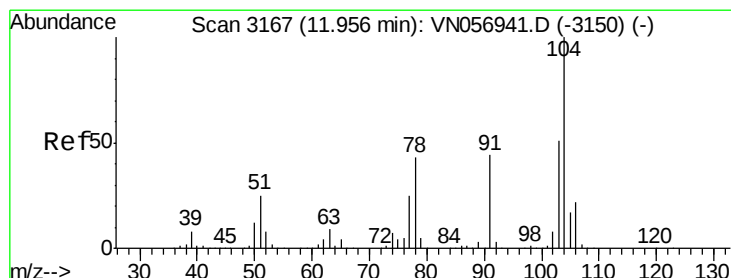
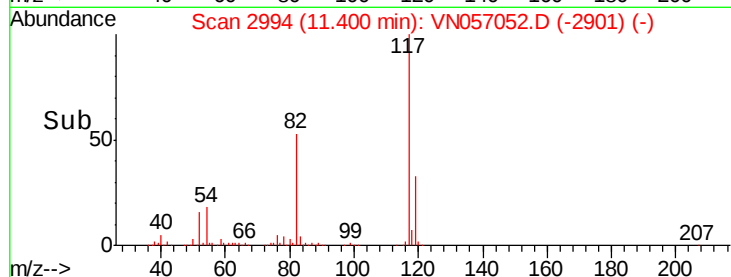
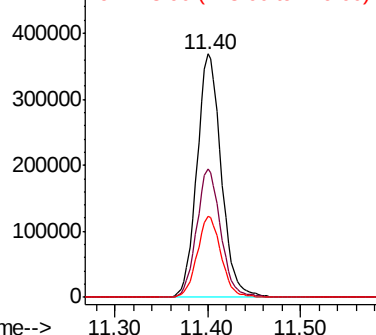
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057052.D
Acq: 2 Aug 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBL01

Tgt Ion:117 Resp: 668881
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 33.1 25.8 38.6

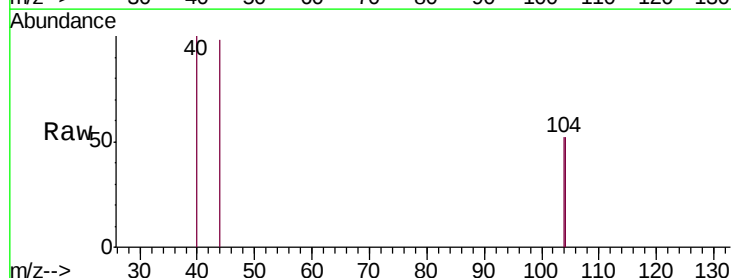


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

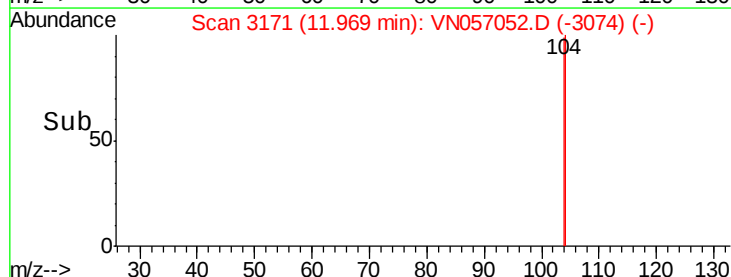
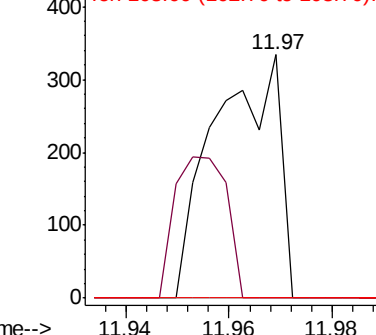


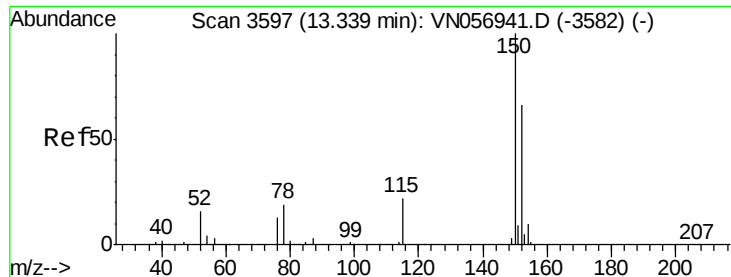
#70
Styrene
Concen: 1.886 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN057052.D
Acq: 2 Aug 2019 9:30

Tgt Ion:104 Resp: 292
Ion Ratio Lower Upper
104 100
78 46.2 38.1 57.1
103 0.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057052.D

Acq: 2 Aug 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBL01

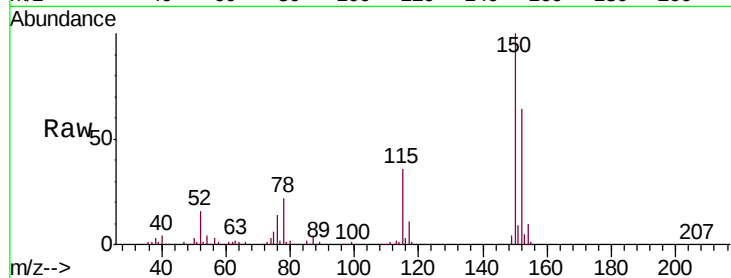
Tgt Ion:152 Resp: 180477

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.6

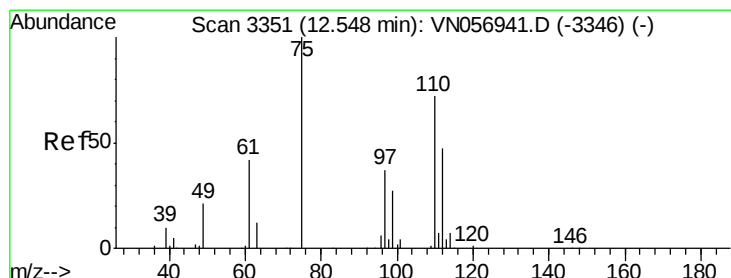
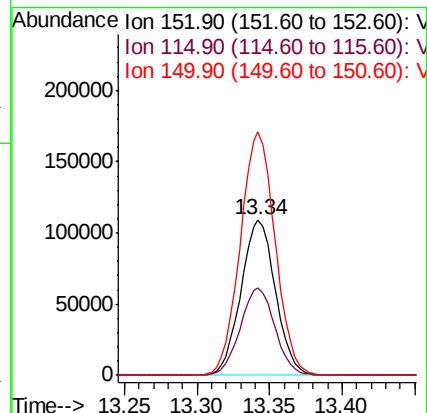
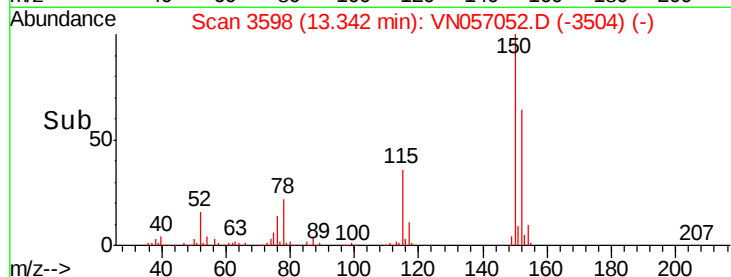
150 158.2 0.0 349.4



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



#76

1,2,3-Trichloropropane

Concen: 35.832 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057052.D

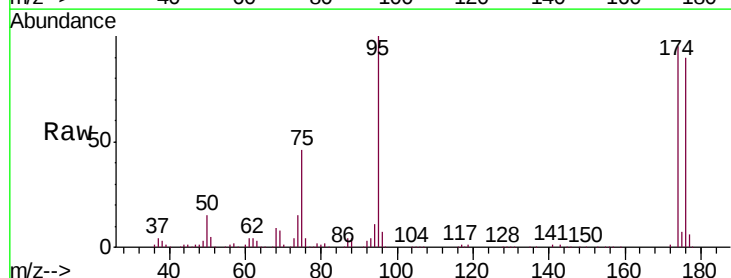
Acq: 2 Aug 2019 9:30

Tgt Ion: 75 Resp: 131330

Ion Ratio Lower Upper

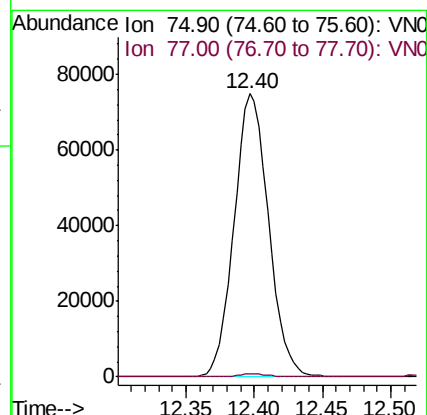
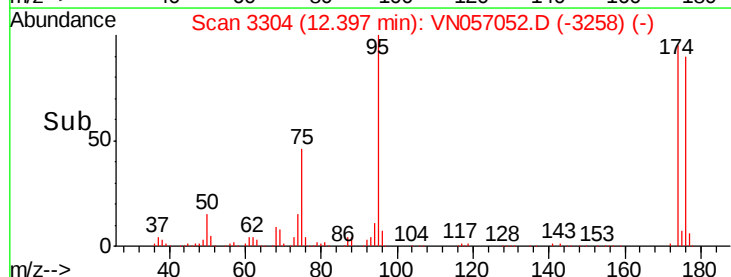
75 100

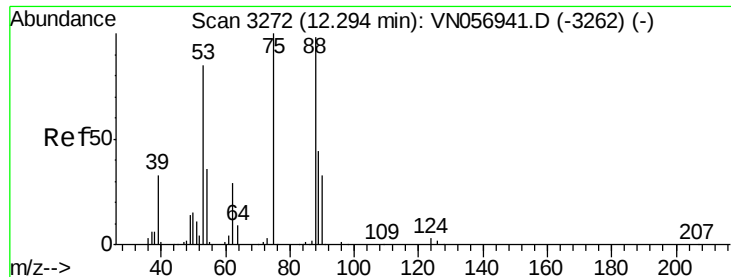
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

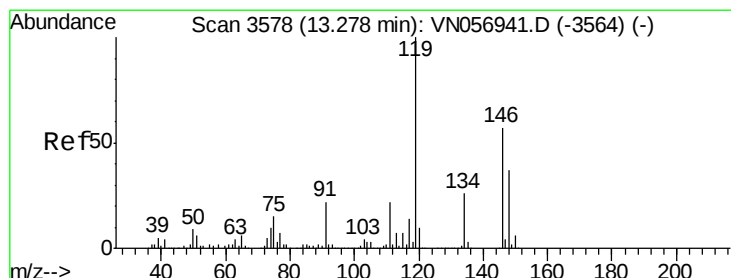
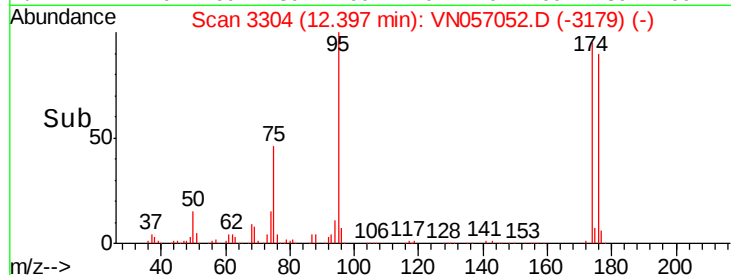
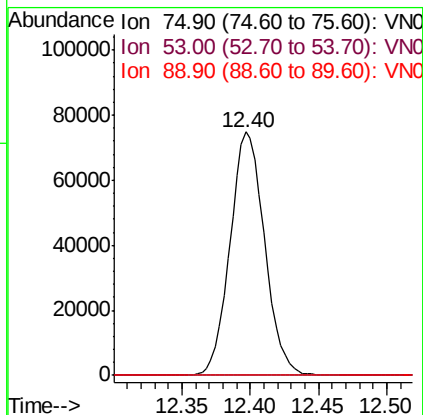
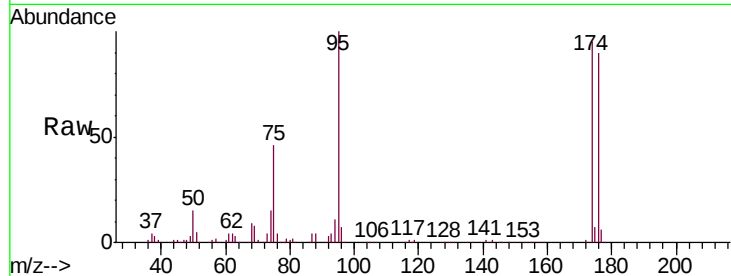




#81
trans-1,4-Dichloro-2-butene
Concen: 115.126 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN057052.D
Acq: 2 Aug 2019 9:30

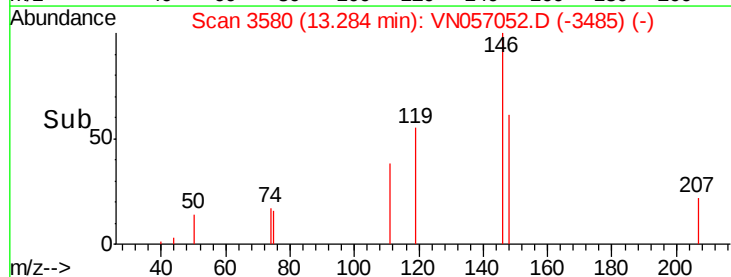
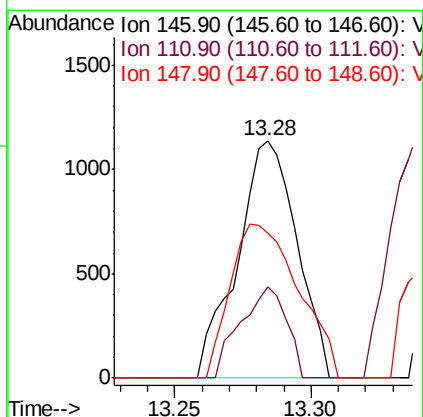
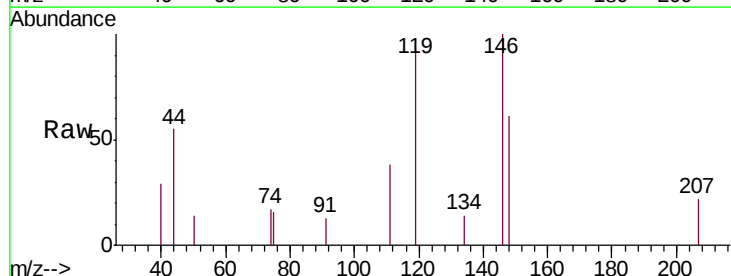
Instrument :
MSVOA_N
ClientSampled :
VN0802WBL01

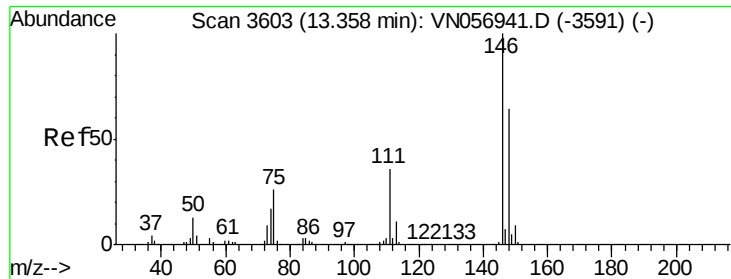
Tgt Ion: 75 Resp: 131330
Ion Ratio Lower Upper
75 100
53 0.0 69.3 103.9#
89 0.0 35.8 53.6#



#87
1,3-Dichlorobenzene
Concen: 0.278 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.01 min
Lab File: VN057052.D
Acq: 2 Aug 2019 9:30

Tgt Ion: 146 Resp: 1720
Ion Ratio Lower Upper
146 100
111 29.8 18.6 55.8
148 74.7 32.2 96.6

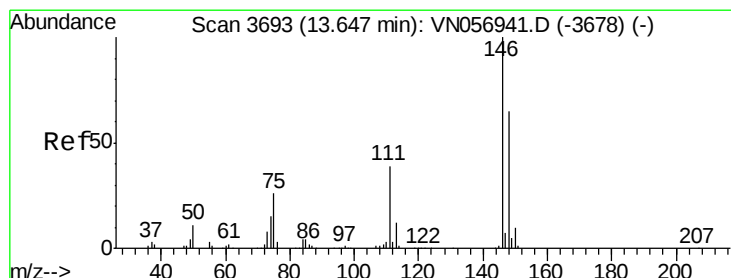
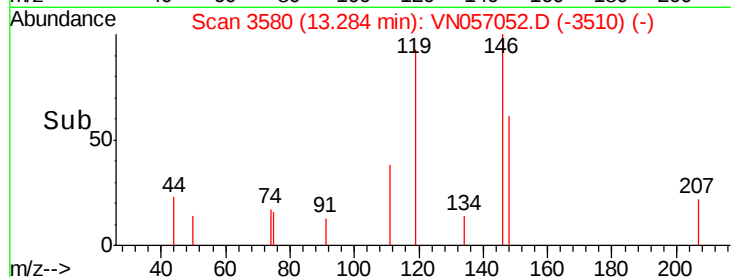
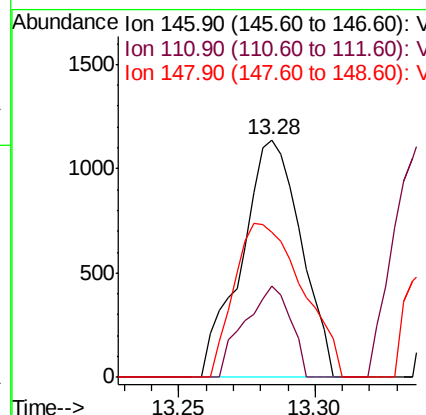
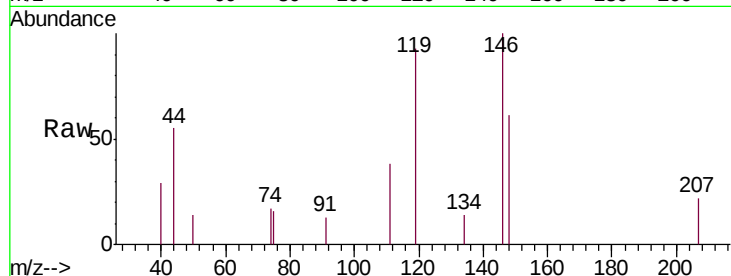




#88
 1,4-Dichlorobenzene
 Concen: 0.289 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.07 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

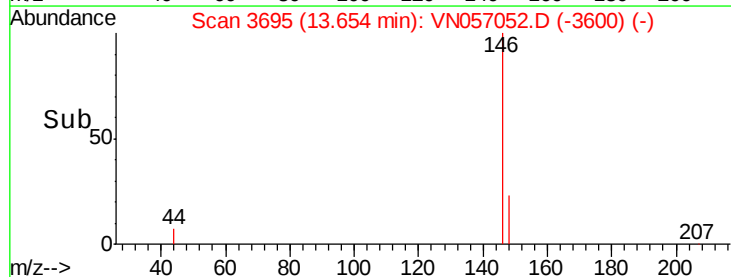
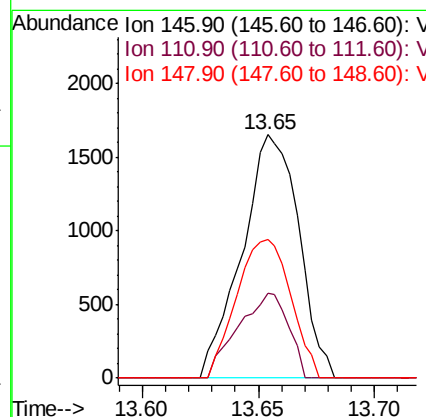
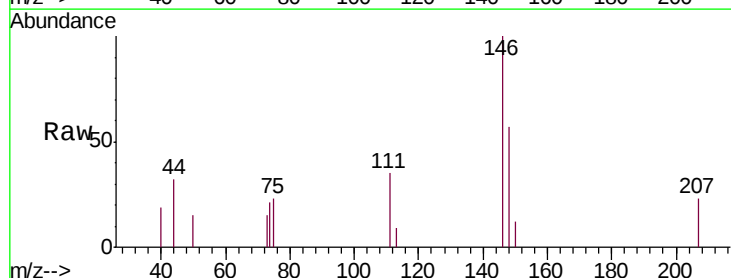
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBL01

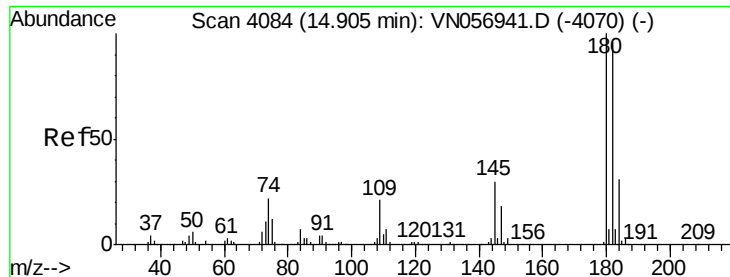
Tgt Ion:146 Resp: 1720
 Ion Ratio Lower Upper
 146 100
 111 29.8 18.4 55.2
 148 74.7 32.3 96.9



#91
 1,2-Dichlorobenzene
 Concen: 0.461 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.01 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

Tgt Ion:146 Resp: 2811
 Ion Ratio Lower Upper
 146 100
 111 30.7 19.4 58.4
 148 54.2 32.2 96.6

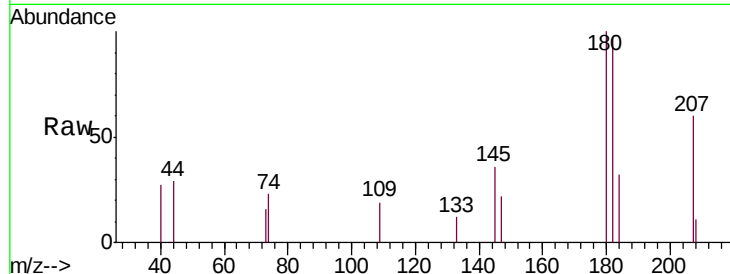




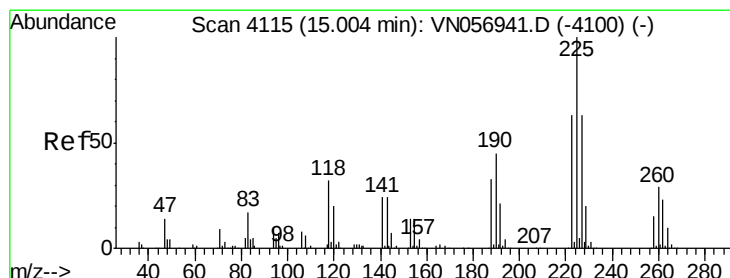
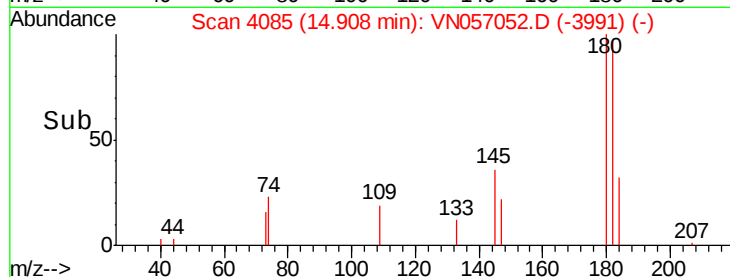
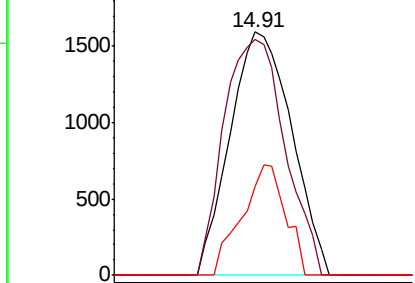
#93
 1,2,4-Trichlorobenzene
 Concen: 3.512 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBL01

Tgt Ion:180 Resp: 2662
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.6 142.8
 145 32.2 14.2 42.8

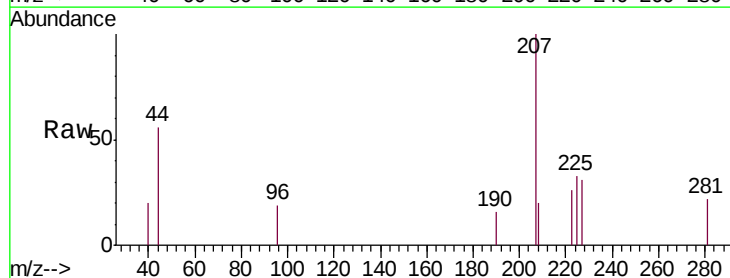


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

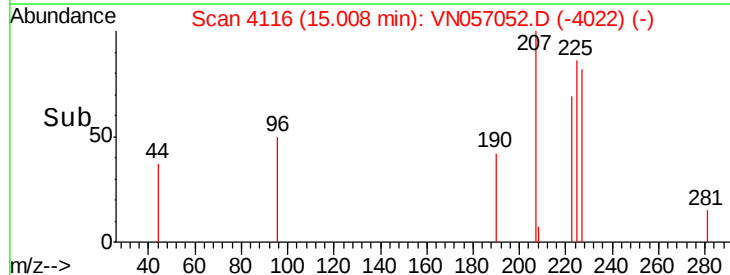
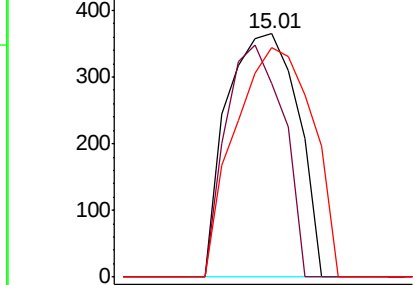


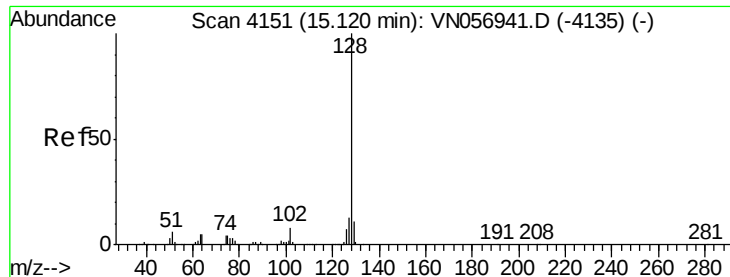
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN057052.D
 Acq: 2 Aug 2019 9:30

Tgt Ion:225 Resp: 348
 Ion Ratio Lower Upper
 225 100
 223 77.0 30.8 92.4
 227 102.6 31.1 93.5#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.158 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN057052.D

Acq: 2 Aug 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBL01

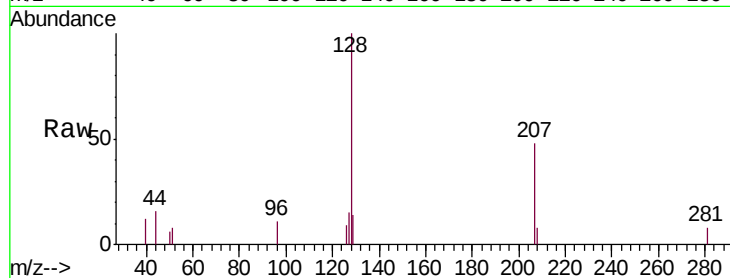
Tgt Ion:128 Resp: 4713

Ion Ratio Lower Upper

128 100

127 11.9 10.0 15.0

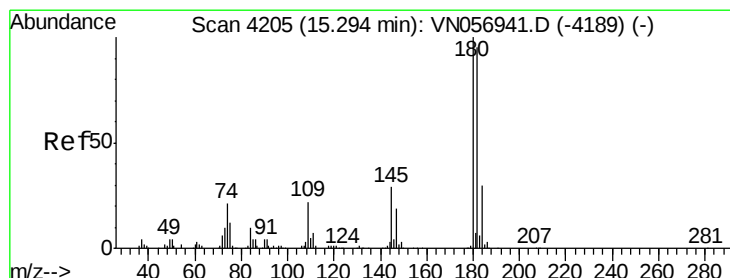
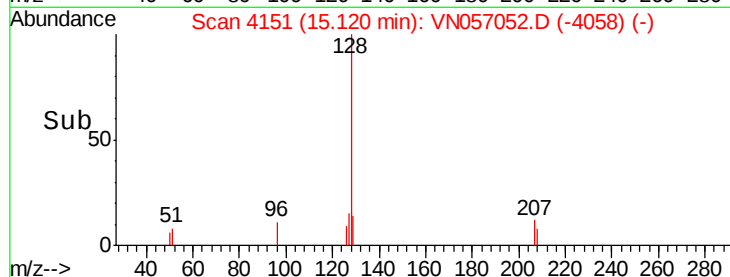
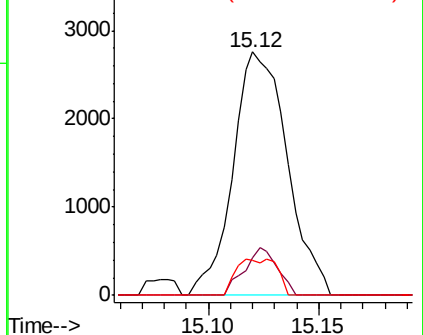
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.095 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057052.D

Acq: 2 Aug 2019 9:30

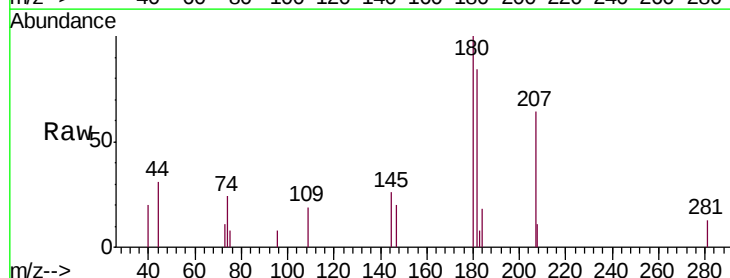
Tgt Ion:180 Resp: 3464

Ion Ratio Lower Upper

180 100

182 88.7 48.0 144.2

145 26.5 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

