

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056246.D
 Acq On : 12 Jun 2019 14:07
 Operator : JC/SP
 Sample : VN0612WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBL02

Quant Time: Jun 13 04:31:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

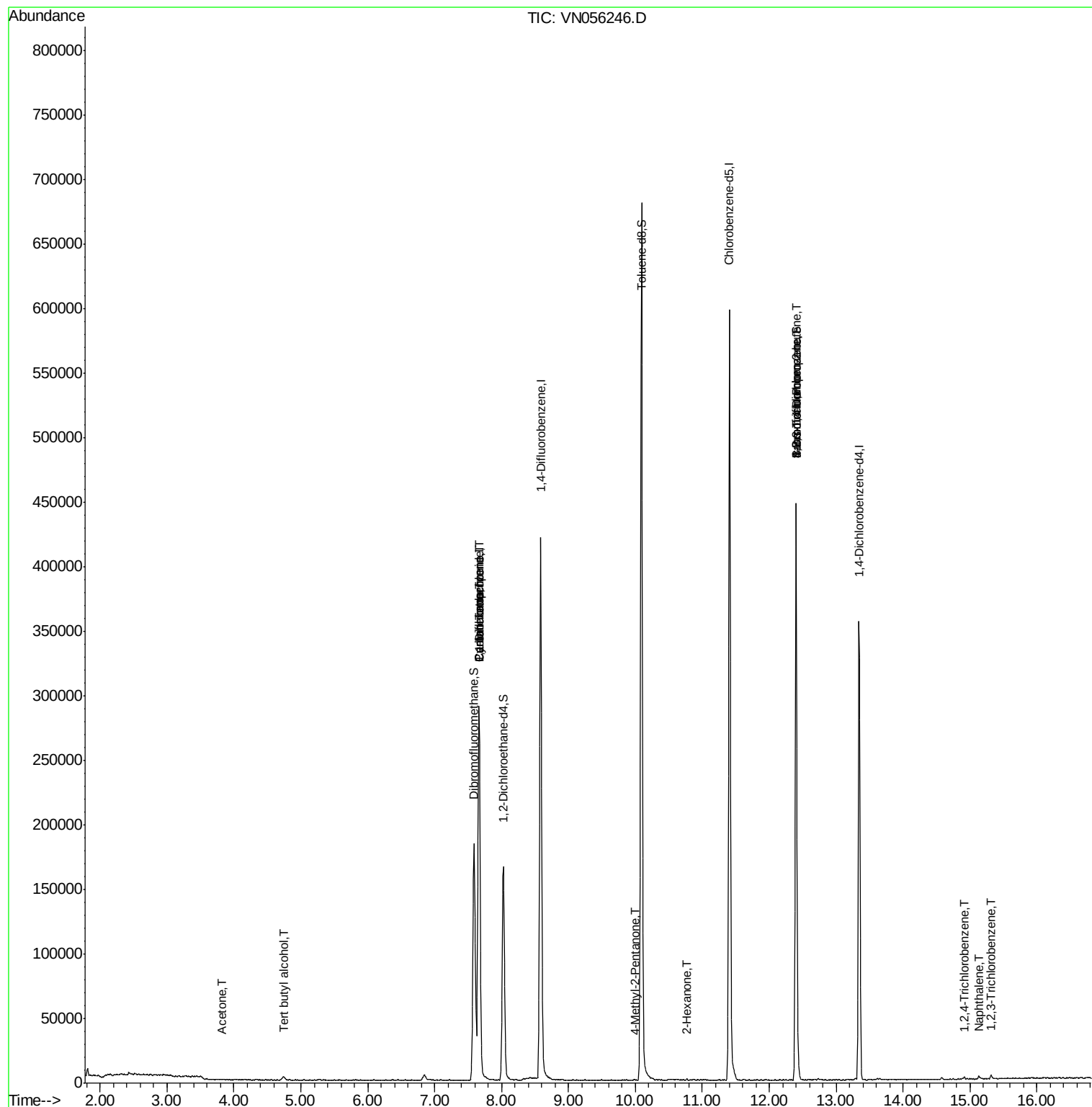
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	276567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	418746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	113906	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	144511	52.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.24%	
35) Dibromofluoromethane	7.59	113	138686	53.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.96%	
50) Toluene-d8	10.09	98	521665	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.54%	
62) 4-Bromofluorobenzene	12.40	95	155133	46.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.28%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	2159	4.518	ug/l #	74
16) Acetone	3.82	43	545	0.415	ug/l #	41
18) Methyl Acetate	4.34	43	678	Below Cal	#	51
31) Cyclohexane	7.66	56	3762	0.863	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	15447	4.290	ug/l #	48
38) Carbon Tetrachloride	7.66	117	22381	6.742	ug/l #	14
51) 4-Methyl-2-Pentanone	9.99	43	718	0.221	ug/l #	35
59) 2-Hexanone	10.76	43	931	0.396	ug/l	70
71) Bromoform	12.40	173	1029	3.169	ug/l #	1
73) Isopropylbenzene	12.25	105	225	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	71242	33.991	ug/l #	100
79) 2-Chlorotoluene	12.68	91	274	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	71242	113.196	ug/l #	15
83) tert-Butylbenzene	13.00	119	329	Below Cal	#	59
93) 1,2,4-Trichlorobenzene	14.91	180	1005	4.707	ug/l	88
94) Hexachlorobutadiene	15.01	225	172	Below Cal	#	19
95) Naphthalene	15.14	128	2716	4.311	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.32	180	1548	3.711	ug/l	95

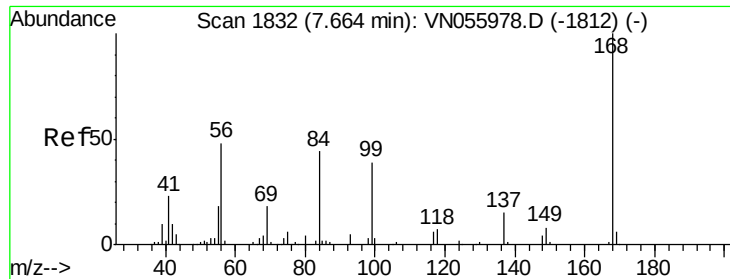
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061219\
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Quant Time: Jun 13 04:31:56 2019
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

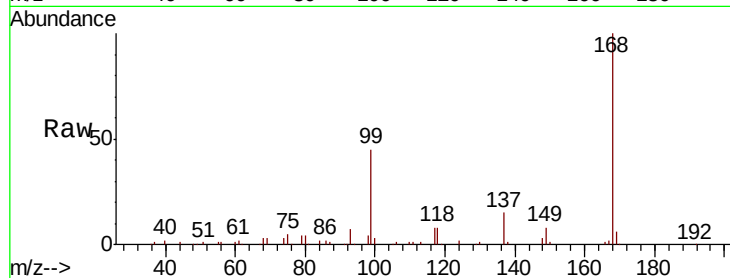
VN0612WBL02

Tot Ion:168 Resp: 276567

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

120000

100000

80000

60000

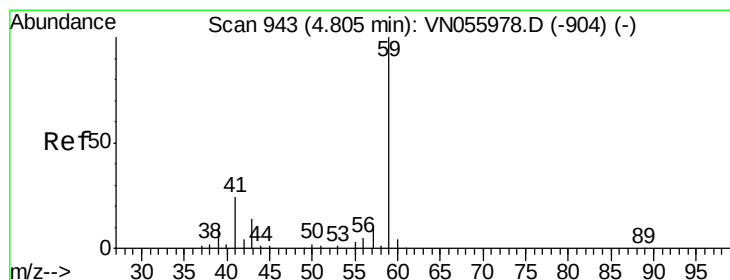
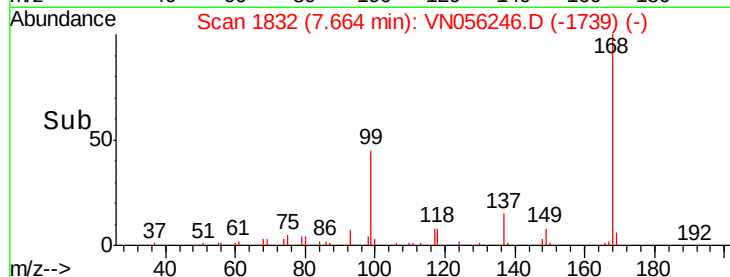
40000

20000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 4.518 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.06 min

Lab File: VN056246.D

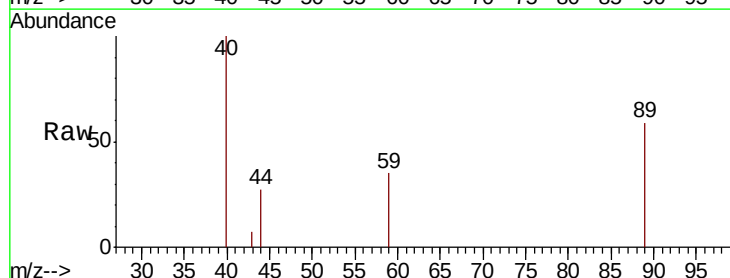
Acq: 12 Jun 2019 14:07

Tgt Ion: 59 Resp: 2159

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

800

600

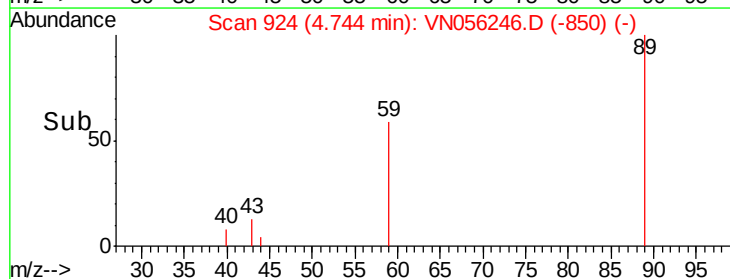
400

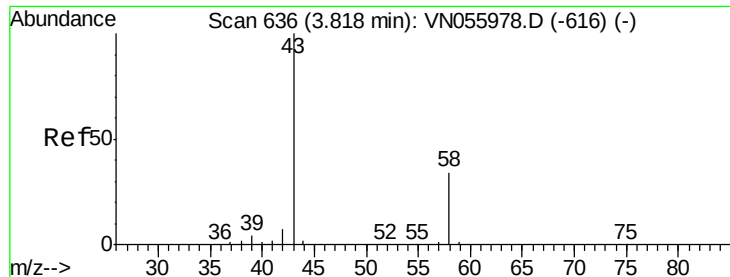
200

0

4.70 4.75 4.80

Time-->





#16

Acetone

Concen: 0.415 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

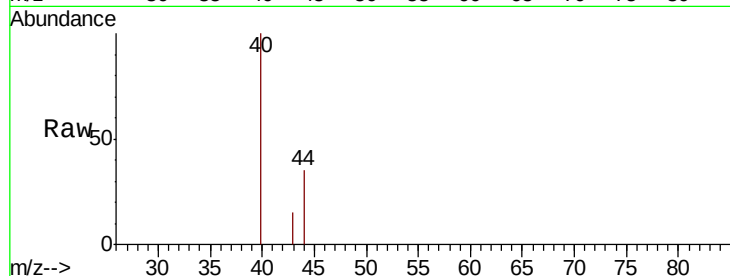
VN0612WBL02

Tot Ion: 43 Resp: 545

Ion Ratio Lower Upper

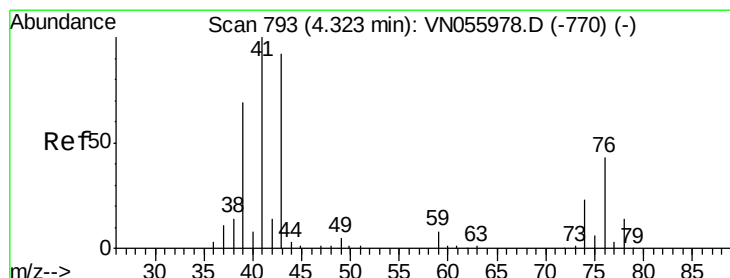
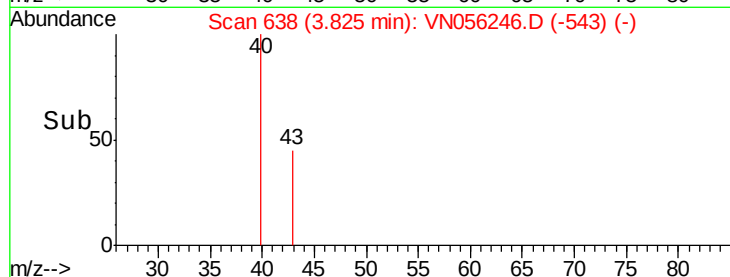
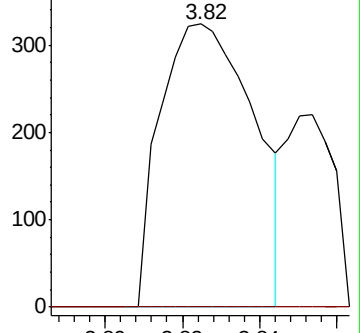
43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN056246.D

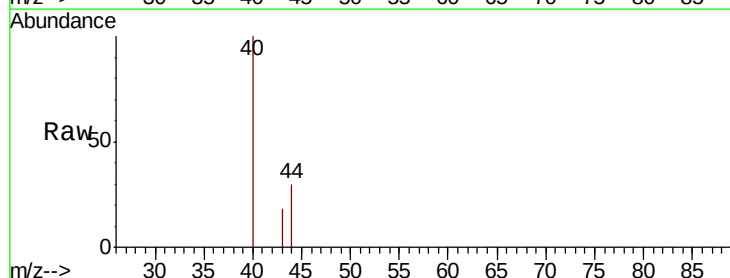
Acq: 12 Jun 2019 14:07

Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

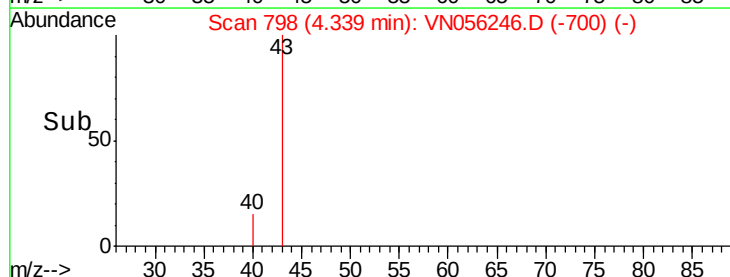
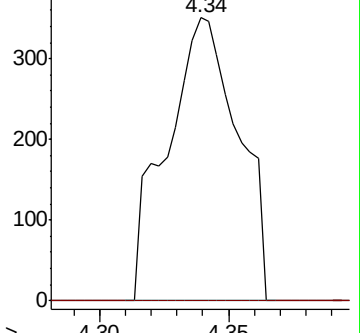
43 100

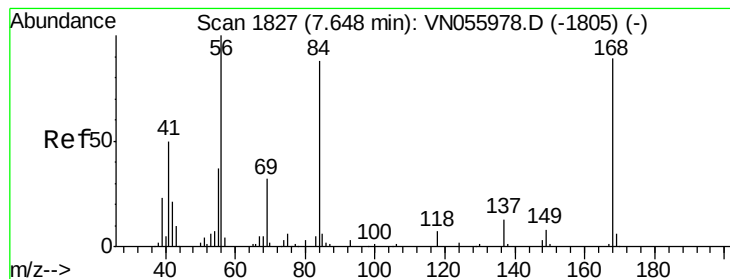
74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: 0.863 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL02

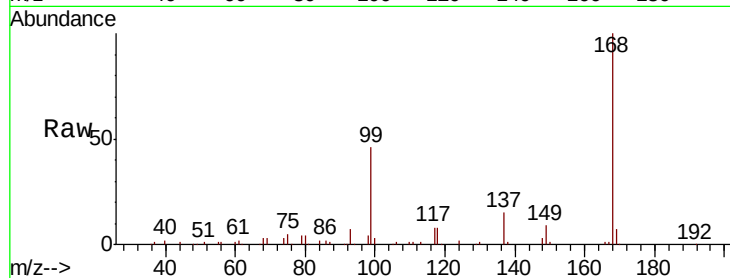
Tot Ion: 56 Resp: 3762

Ion Ratio Lower Upper

56 100

69 195.5 25.6 38.4#

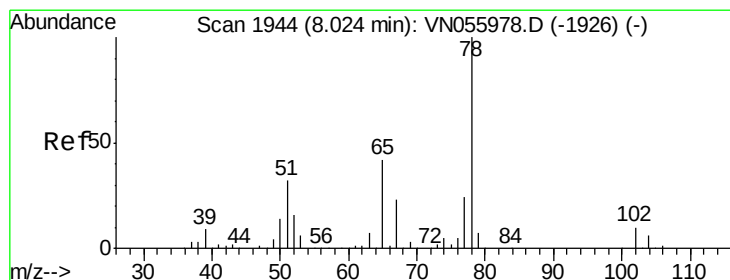
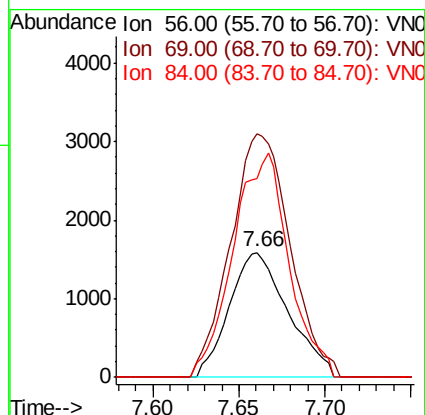
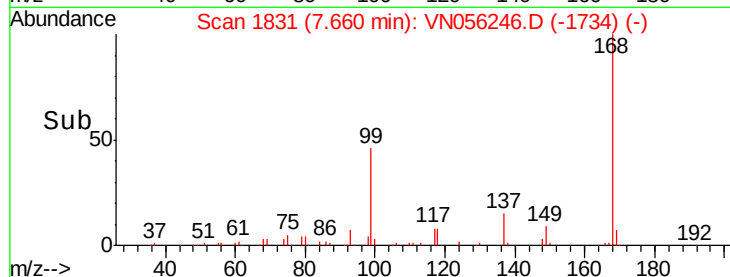
84 159.7 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.625 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056246.D

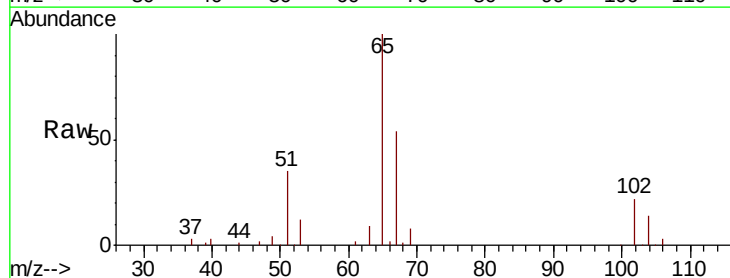
Acq: 12 Jun 2019 14:07

Tgt Ion: 65 Resp: 144511

Ion Ratio Lower Upper

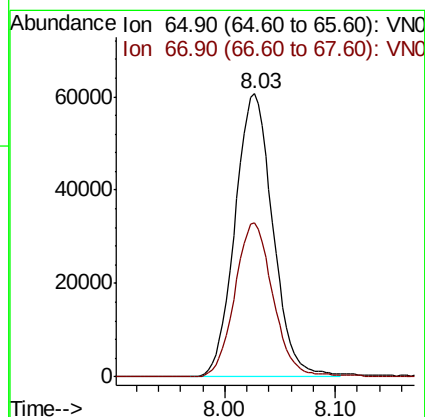
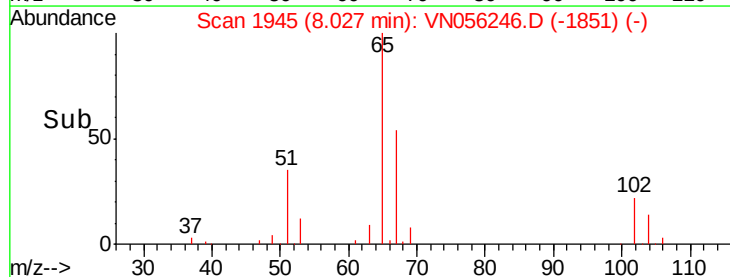
65 100

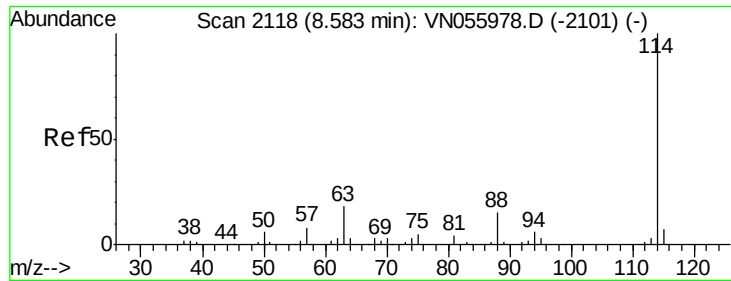
67 55.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL02

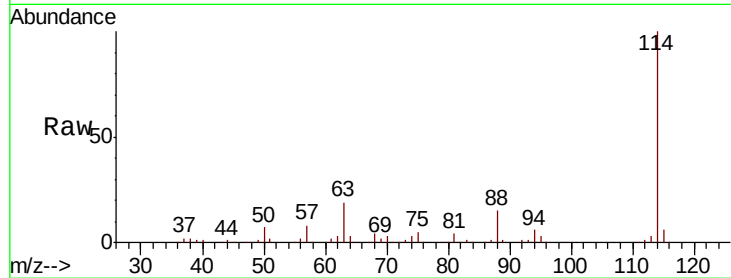
Tot Ion:114 Resp: 418746

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

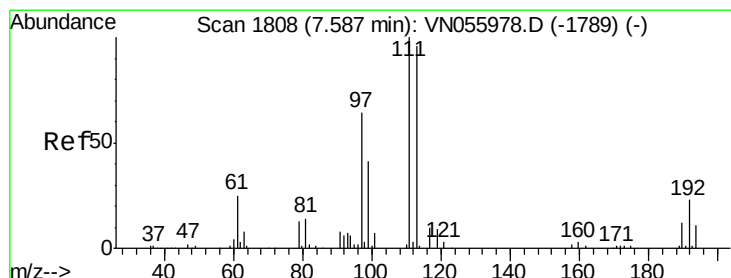
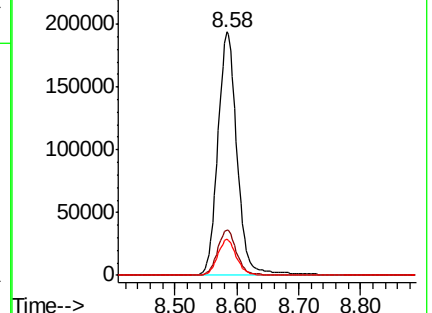
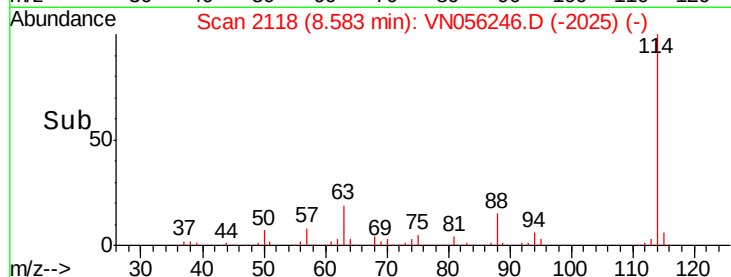
88 14.8 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 53.981 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

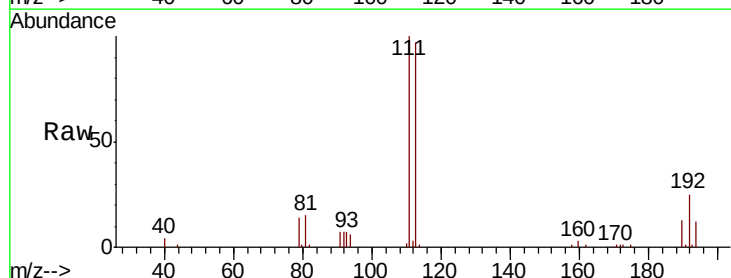
Tgt Ion:113 Resp: 138686

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

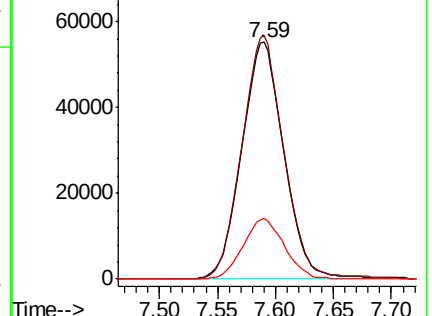
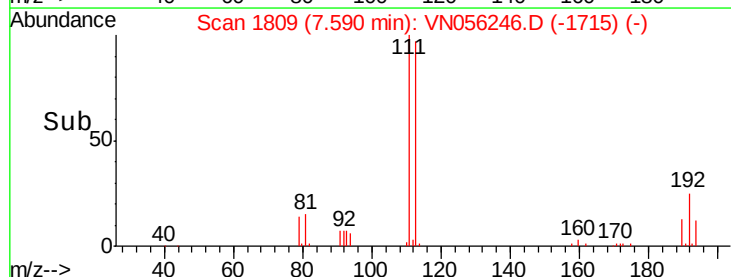
192 25.2 19.5 29.3

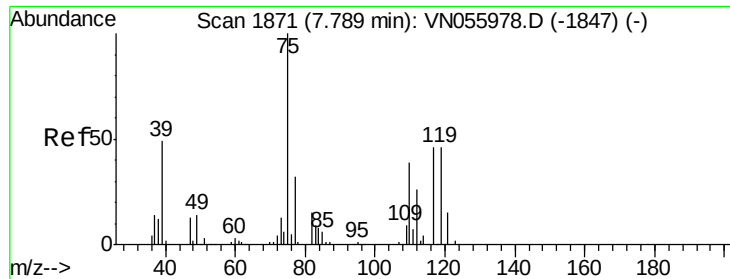


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

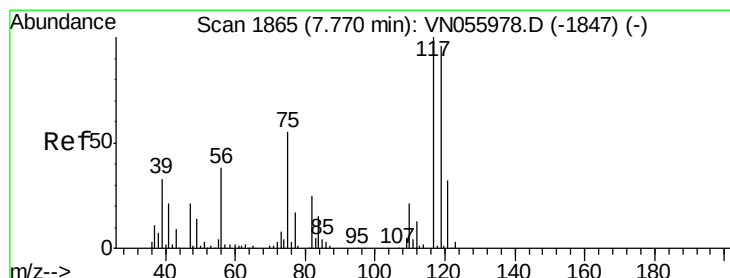
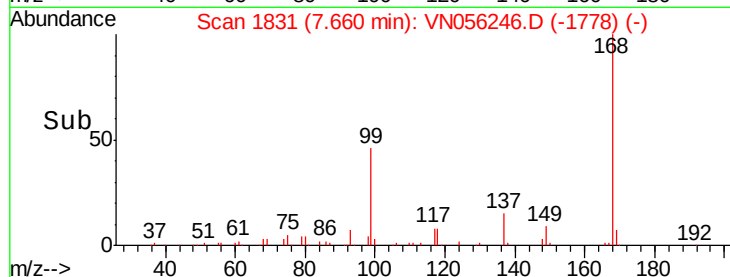
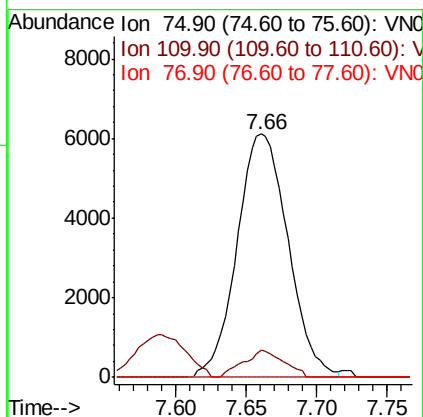
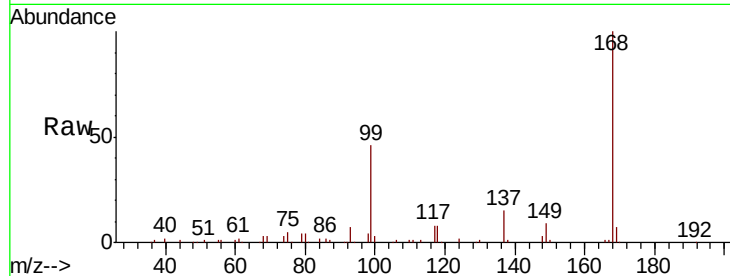




#36
 1,1-Dichloropropene
 Concen: 4.290 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056246.D
 Acq: 12 Jun 2019 14:07

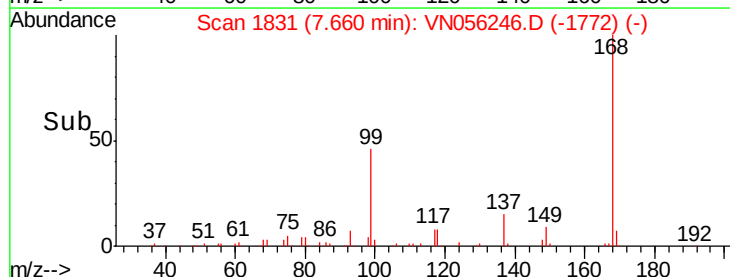
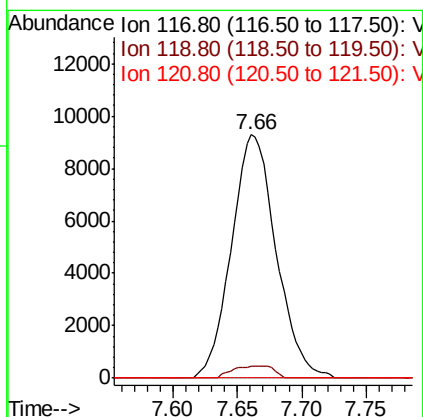
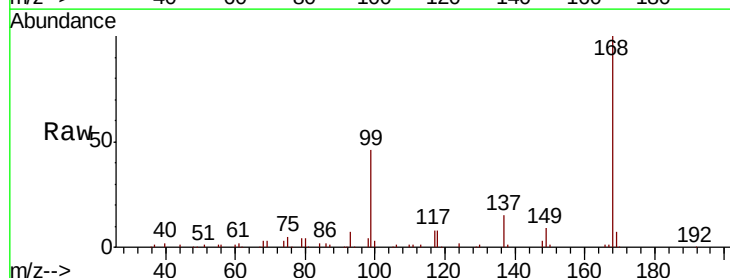
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBL02

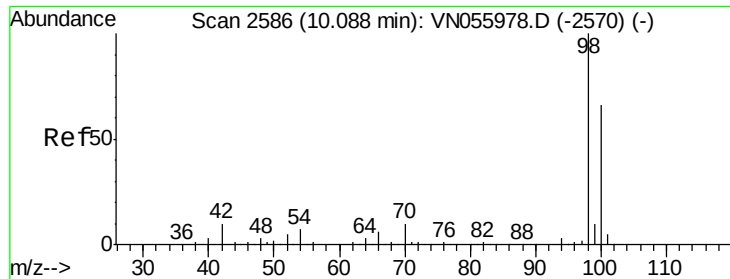
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.742 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056246.D
 Acq: 12 Jun 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	79.0	118.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 52.768 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampled :

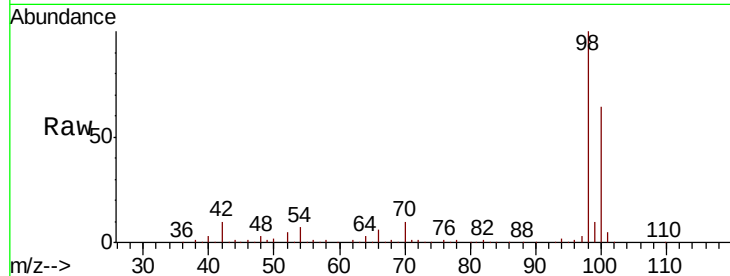
VN0612WBL02

Tot Ion: 98 Resp: 521665

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

300000

250000

200000

150000

100000

50000

0

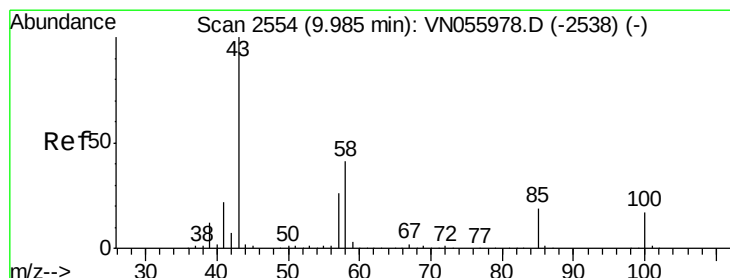
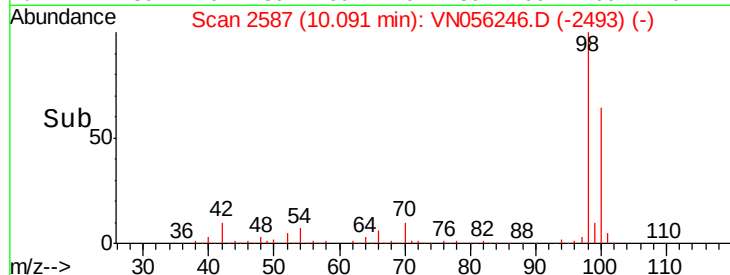
10.09

10.00

10.10

10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.221 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056246.D

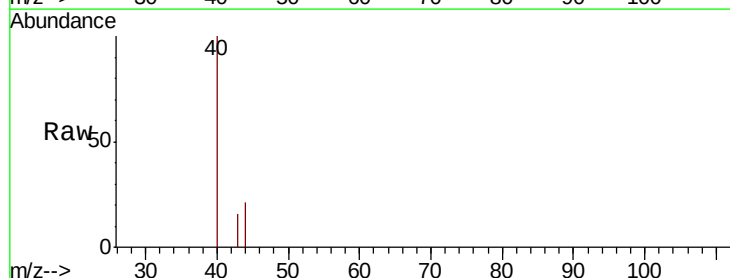
Acq: 12 Jun 2019 14:07

Tgt Ion: 43 Resp: 718

Ion Ratio Lower Upper

43 100

58 0.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400

300

200

100

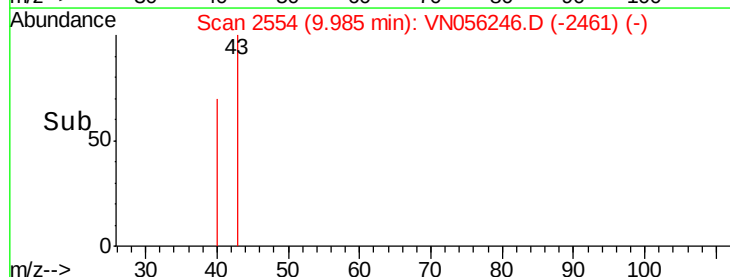
0

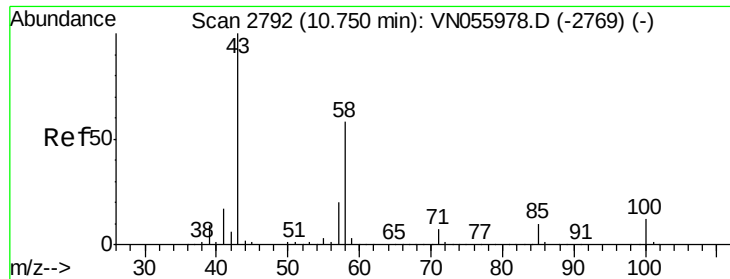
9.99

9.95

10.00

Time-->

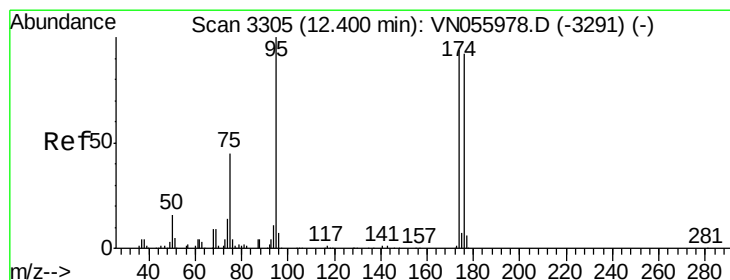
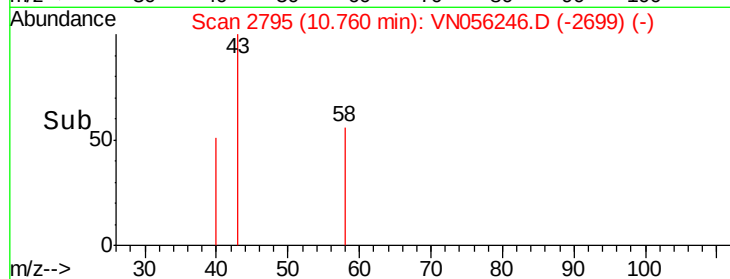
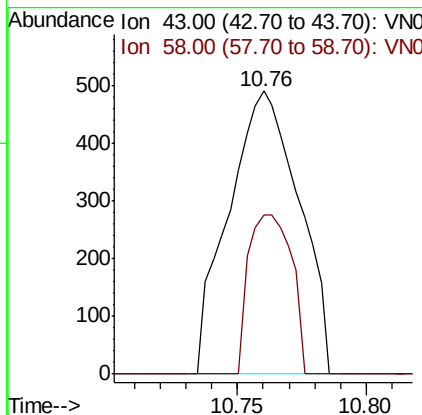
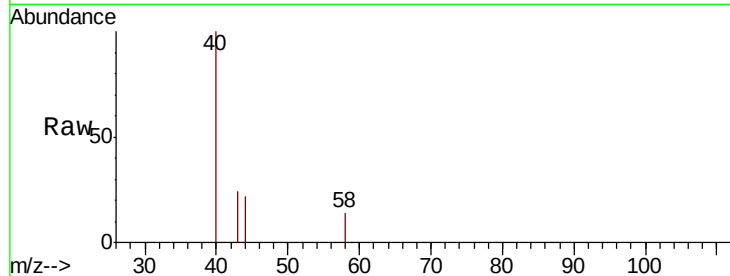




#59
2-Hexanone
Concen: 0.396 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN056246.D
Acq: 12 Jun 2019 14:07

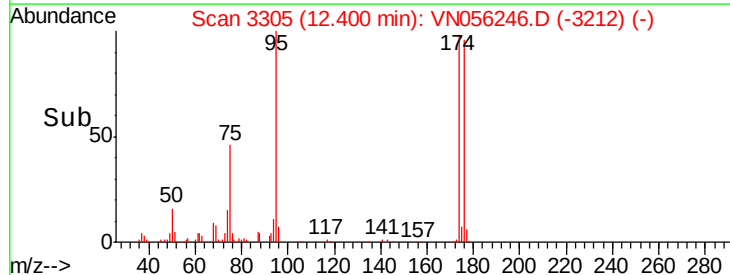
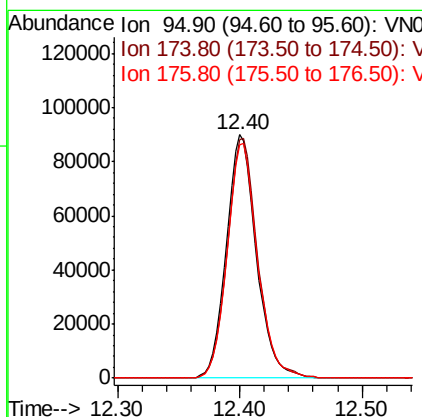
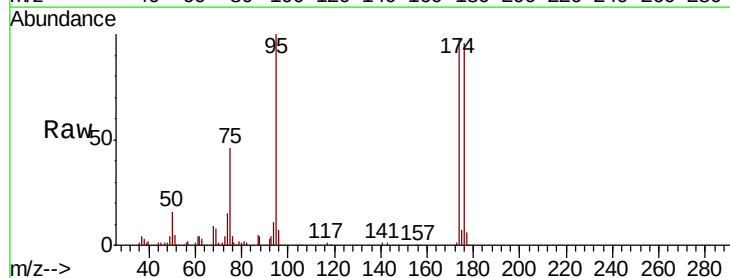
Instrument :
MSVOA_N
ClientSampled :
VN0612WBL02

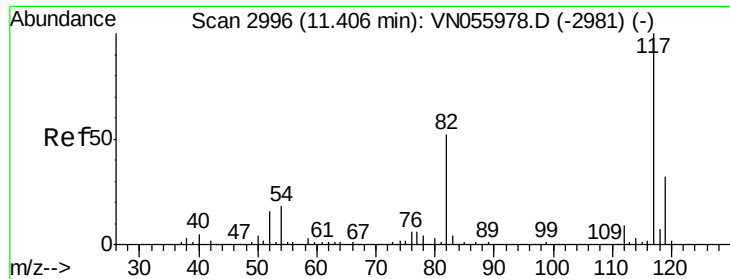
Tot Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
58 34.5 28.2 84.7



#62
4-Bromofluorobenzene
Concen: 46.143 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056246.D
Acq: 12 Jun 2019 14:07

Tgt Ion: 95 Resp: 155133
Ion Ratio Lower Upper
95 100
174 99.1 0.0 191.0
176 96.9 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampled :

VN0612WBL02

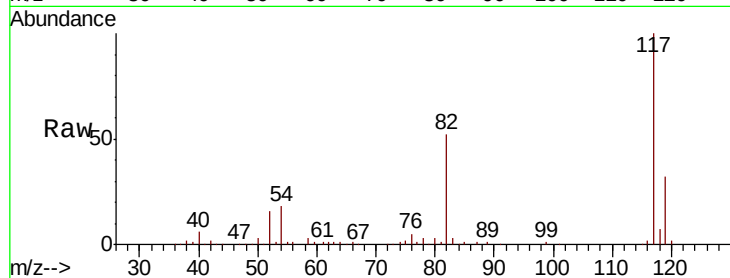
Tot Ion:117 Resp: 395084

Ion Ratio Lower Upper

117 100

82 52.1 41.8 62.8

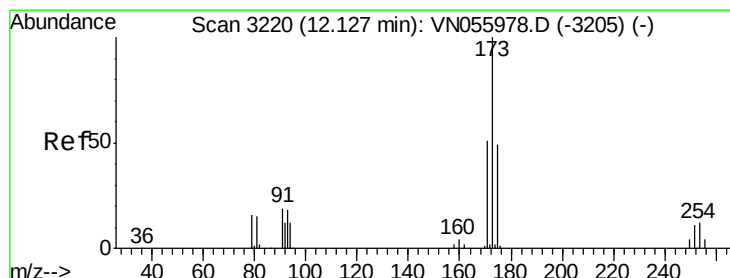
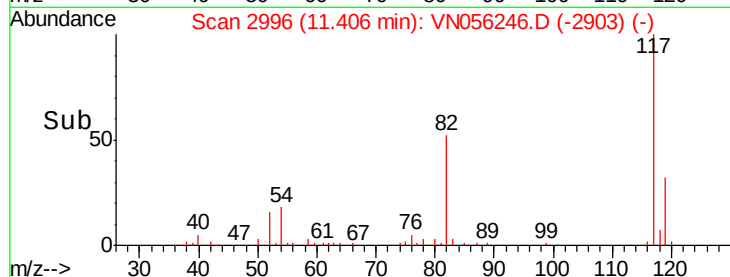
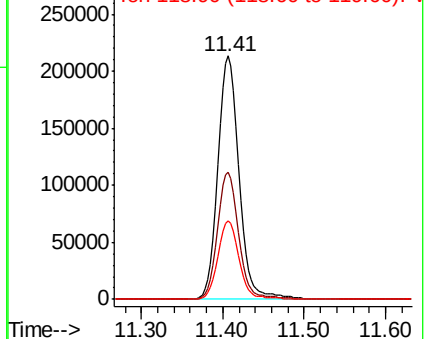
119 32.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 3.169 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

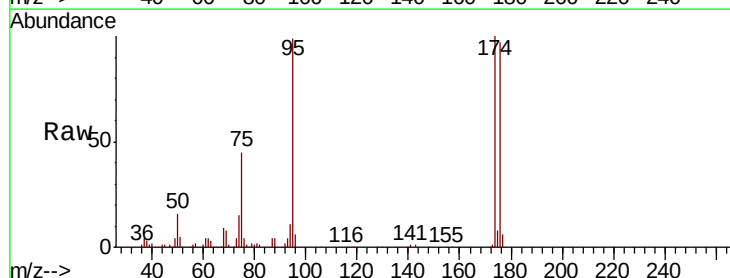
Tgt Ion:173 Resp: 1029

Ion Ratio Lower Upper

173 100

175 959.3 24.3 72.8#

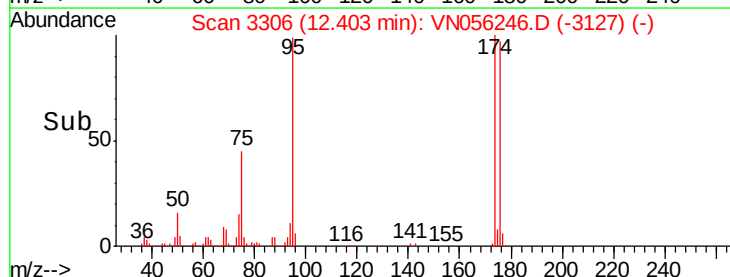
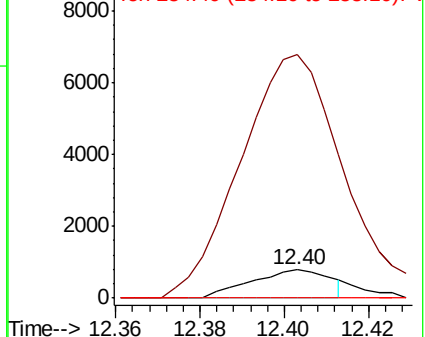
254 0.0 0.0 0.0

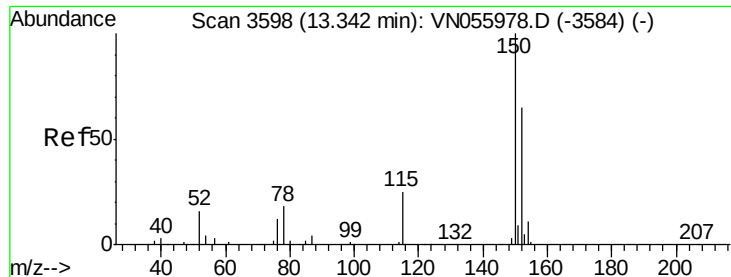


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampled :

VN0612WBL02

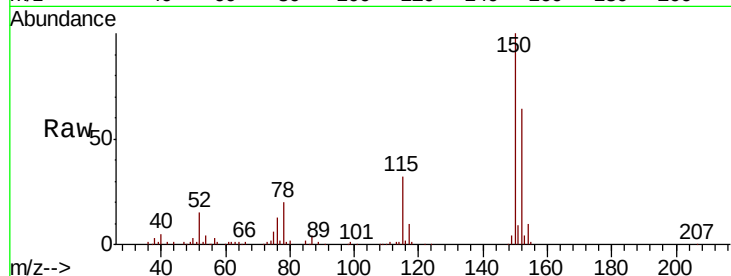
Tot Ion:152 Resp: 113906

Ion Ratio Lower Upper

152 100

115 51.7 27.0 81.0

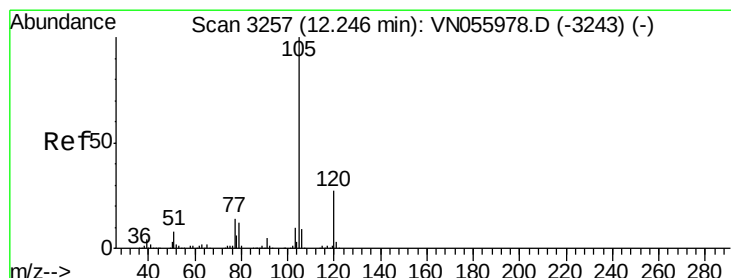
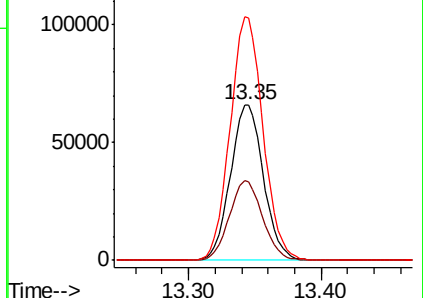
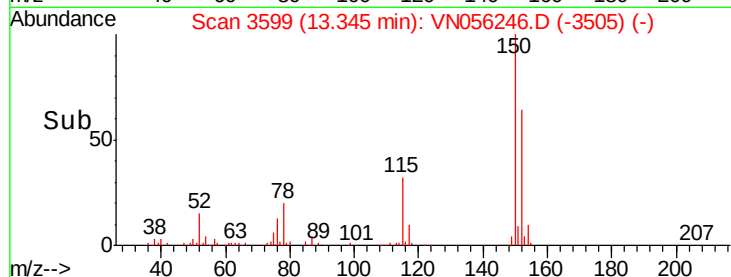
150 156.6 0.0 343.2



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: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056246.D

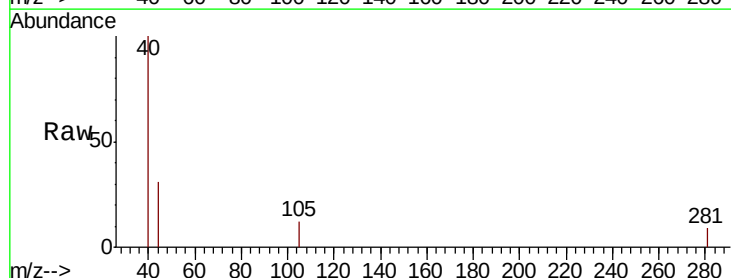
Acq: 12 Jun 2019 14:07

Tgt Ion:105 Resp: 225

Ion Ratio Lower Upper

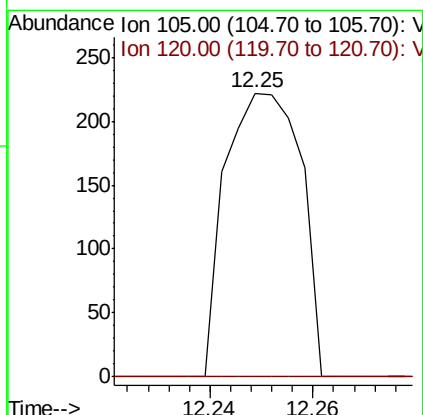
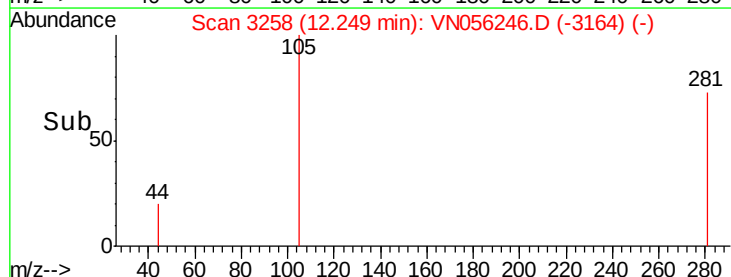
105 100

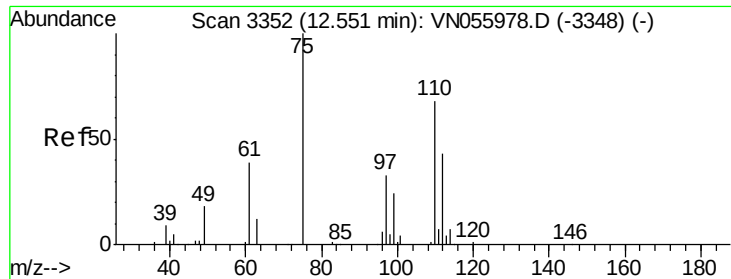
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 33.991 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampled :

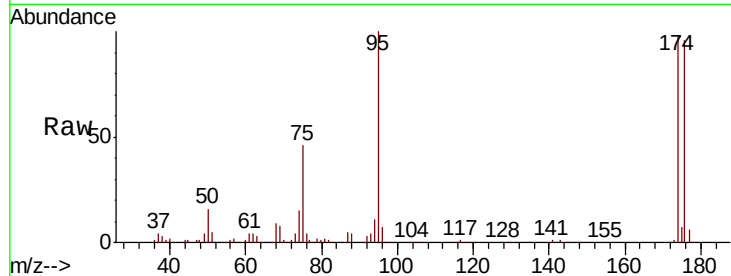
VN0612WBL02

Tot Ion: 75 Resp: 71242

Ion Ratio Lower Upper

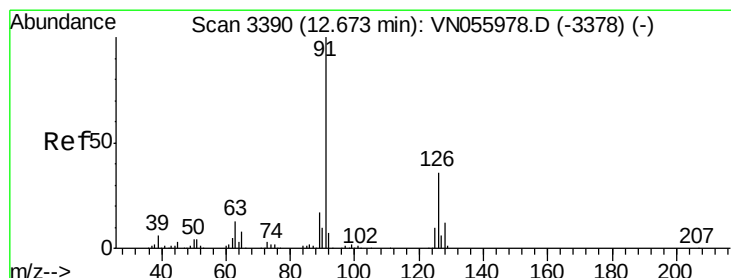
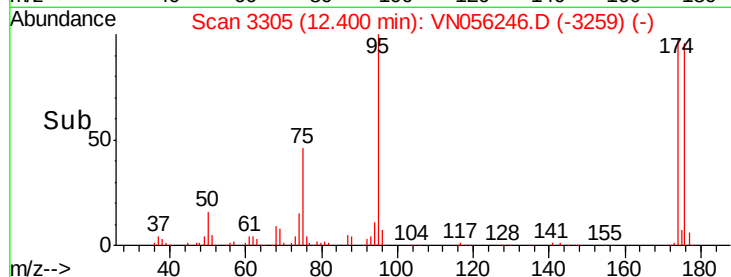
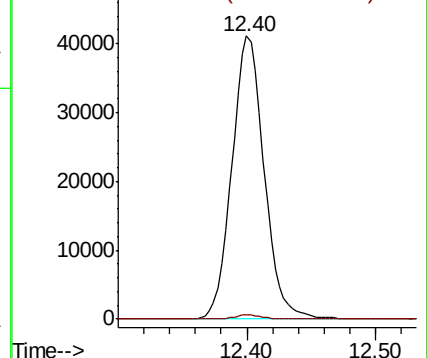
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN056246.D

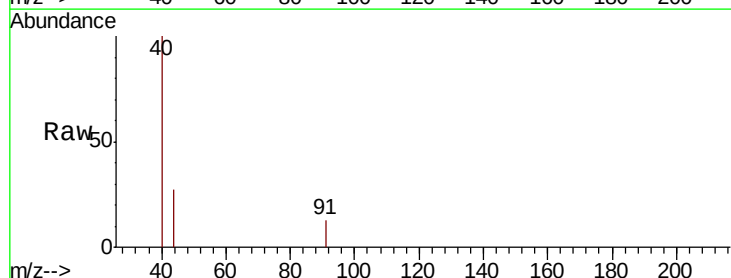
Acq: 12 Jun 2019 14:07

Tgt Ion: 91 Resp: 274

Ion Ratio Lower Upper

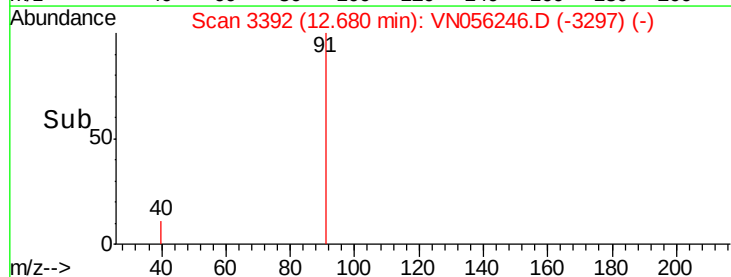
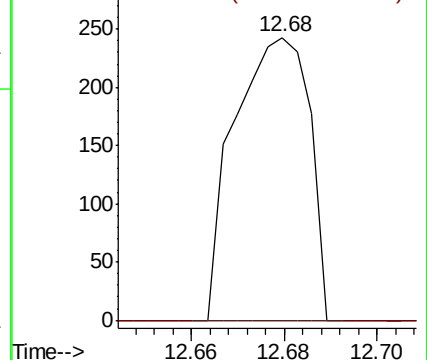
91 100

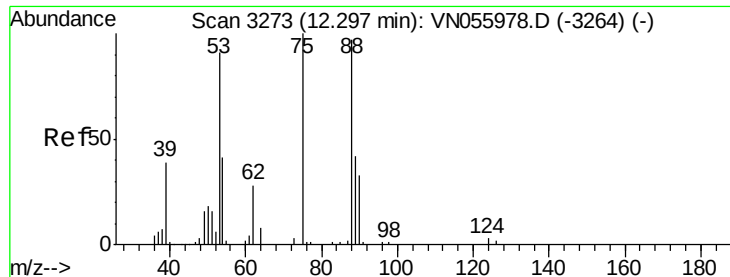
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.196 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampled :

VN0612WBL02

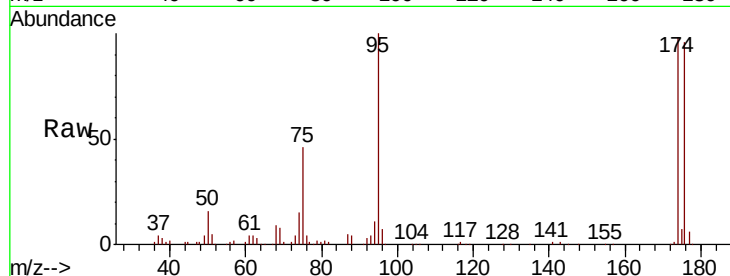
Tot Ion: 75 Resp: 71242

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

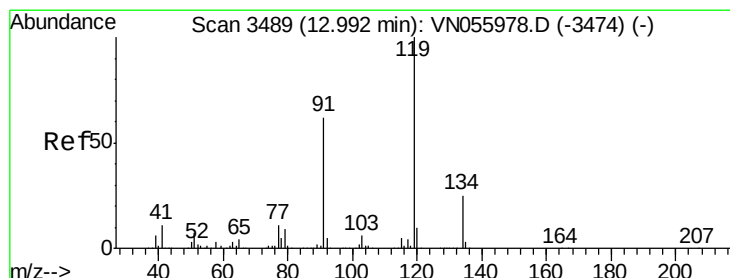
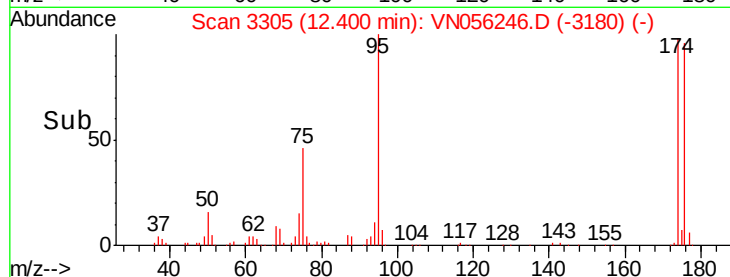
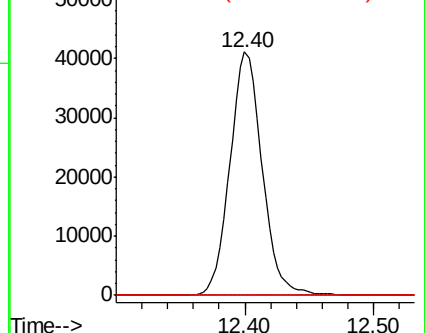
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3492

Delta R.T. 0.01 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

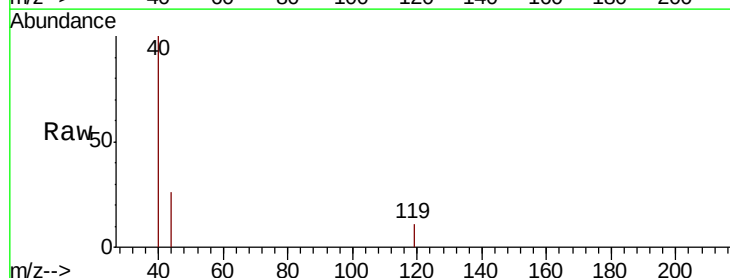
Tgt Ion: 119 Resp: 329

Ion Ratio Lower Upper

119 100

91 33.7 30.9 92.8

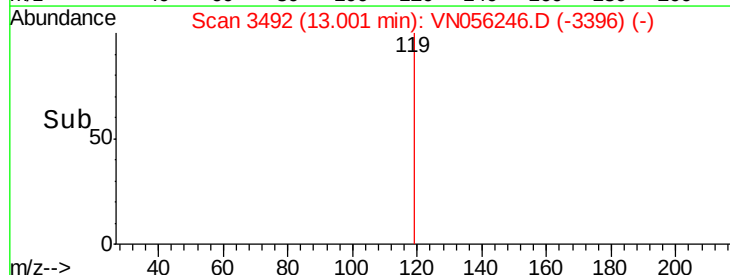
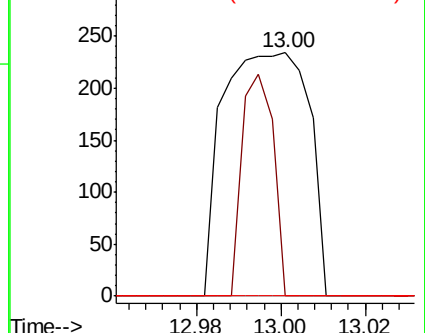
134 0.0 13.3 39.8#

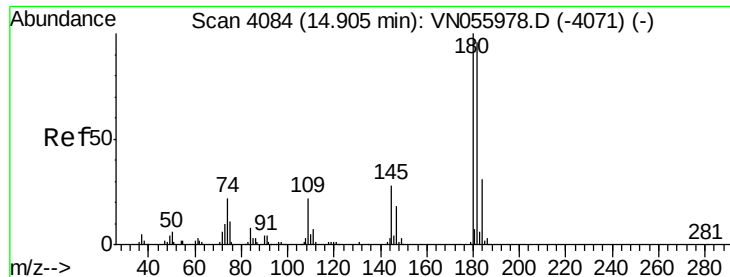


Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)

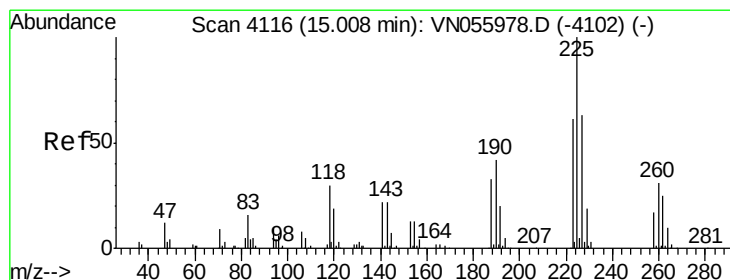
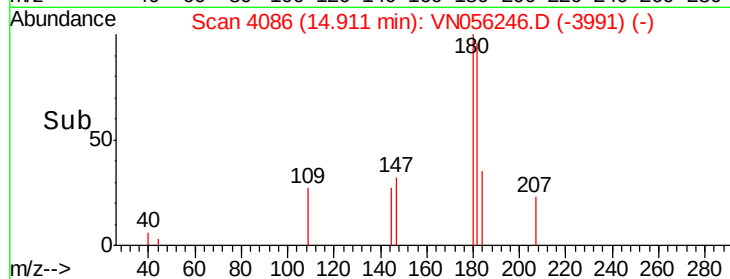
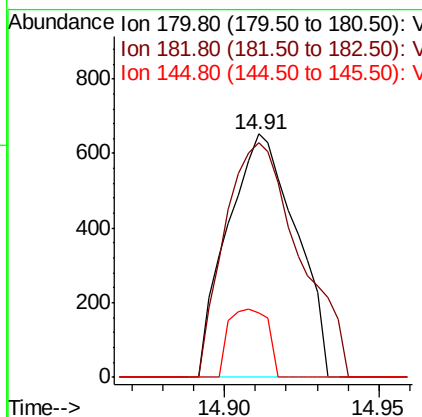
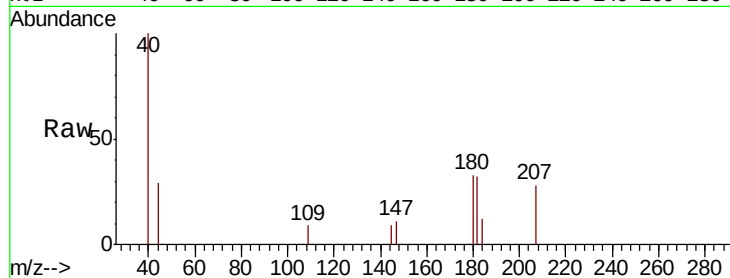




#93
 1,2,4-Trichlorobenzene
 Concen: 4.707 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056246.D
 Acq: 12 Jun 2019 14:07

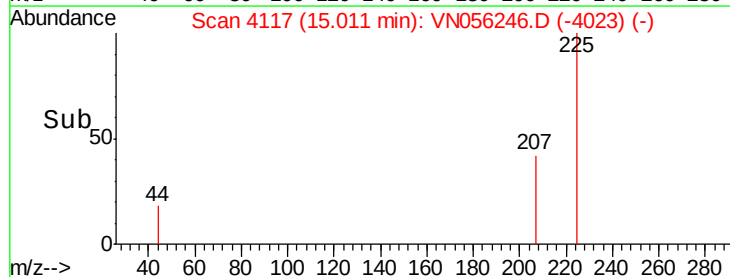
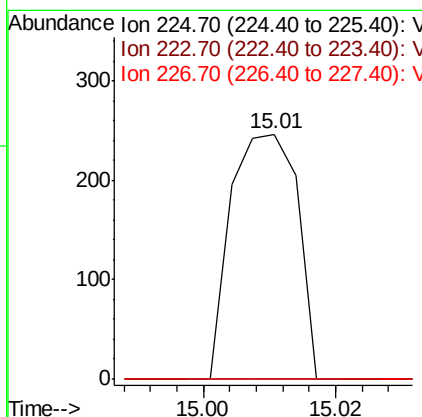
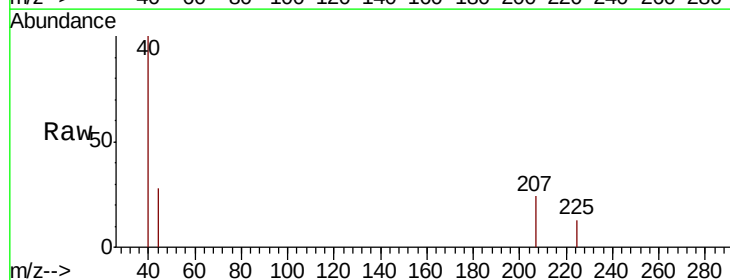
Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBL02

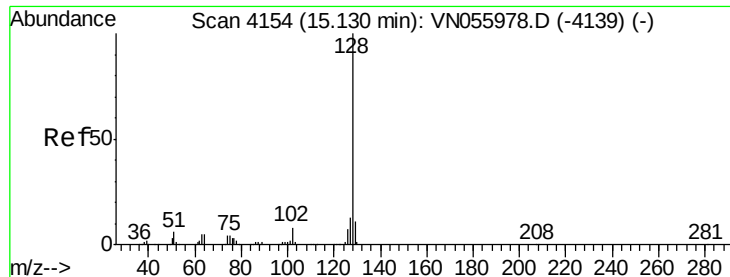
Tot Ion:180 Resp: 1005
 Ion Ratio Lower Upper
 180 100
 182 105.0 48.3 144.9
 145 16.2 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056246.D
 Acq: 12 Jun 2019 14:07

Tgt Ion:225 Resp: 172
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.9 92.7#
 227 0.0 31.6 94.7#





#95

Naphthalene

Concen: 4.311 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL02

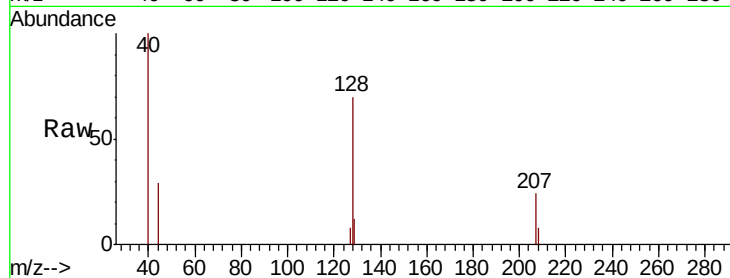
Tot Ion:128 Resp: 2716

Ion Ratio Lower Upper

128 100

127 5.4 10.3 15.5#

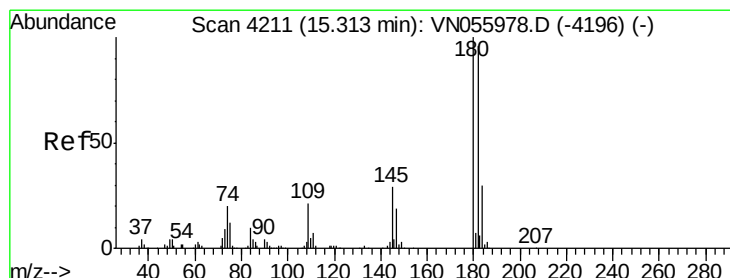
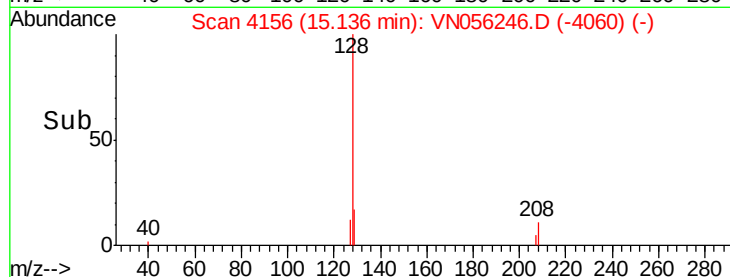
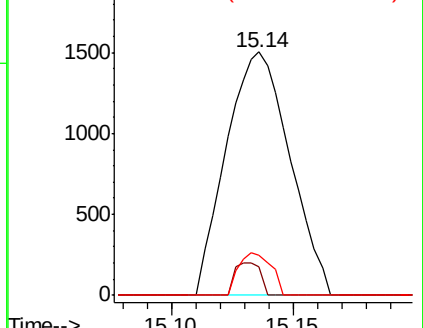
129 8.9 8.7 13.1



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: 3.711 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056246.D

Acq: 12 Jun 2019 14:07

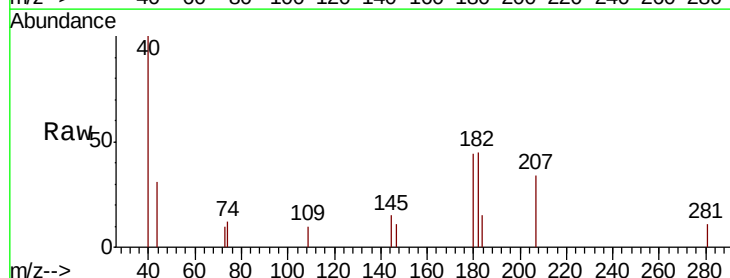
Tgt Ion:180 Resp: 1548

Ion Ratio Lower Upper

180 100

182 99.4 47.9 143.7

145 24.0 14.9 44.7



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

