

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056184.D
 Acq On : 10 Jun 2019 22:29
 Operator : JC/SP
 Sample : VN0610WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:23:45 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

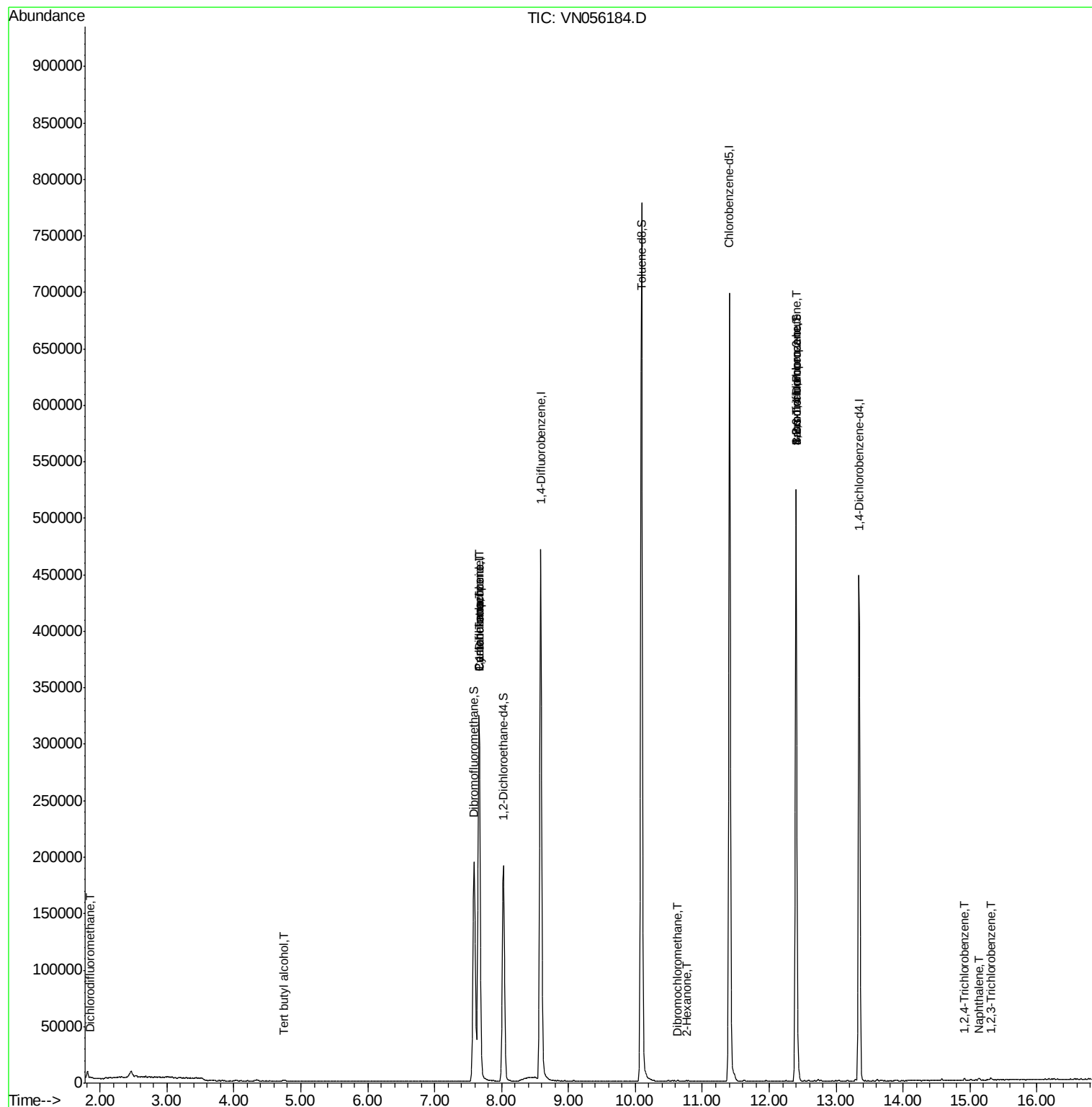
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	306527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	463428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	450960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140195	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	162823	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	7.59	113	149882	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
50) Toluene-d8	10.09	98	582979	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.40	95	185351	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	105	0.386	ug/l #	42
11) Tert butyl alcohol	4.74	59	599	1.131	ug/l #	74
31) Cyclohexane	7.66	56	4203	0.870	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17176	4.310	ug/l #	43
38) Carbon Tetrachloride	7.66	117	24417	6.646	ug/l #	15
59) 2-Hexanone	10.76	43	751	0.288	ug/l #	23
60) Dibromochloromethane	10.63	129	59	2.469	ug/l #	11
71) Bromoform	12.40	173	1343	3.230	ug/l #	1
73) Isopropylbenzene	12.24	105	250	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	84530	32.768	ug/l #	100
79) 2-Chlorotoluene	12.77	91	612	Below Cal		77
81) trans-1,4-Dichloro-2-buten	12.40	75	84530	109.124	ug/l #	15
83) tert-Butylbenzene	12.99	119	400	Below Cal	#	42
93) 1,2,4-Trichlorobenzene	14.91	180	931	4.599	ug/l #	91
94) Hexachlorobutadiene	15.01	225	332	Below Cal		71
95) Naphthalene	15.14	128	2238	4.159	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.31	180	1032	3.399	ug/l #	19

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

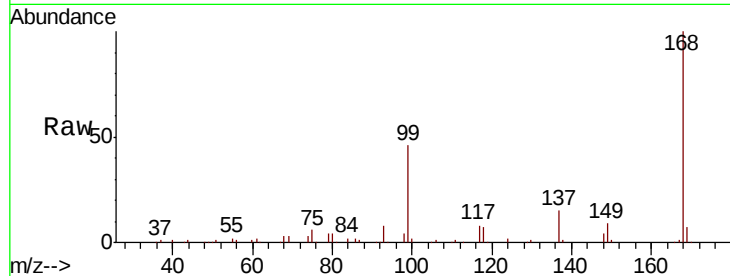
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 306527

Ion Ratio Lower Upper

168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

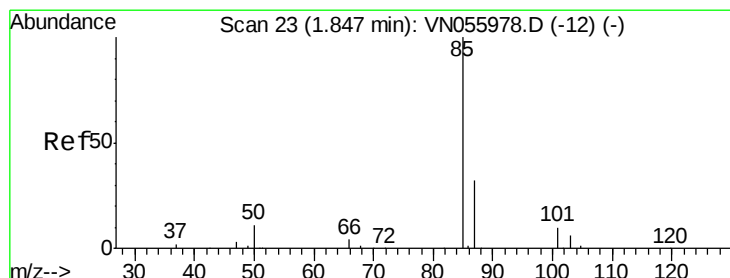
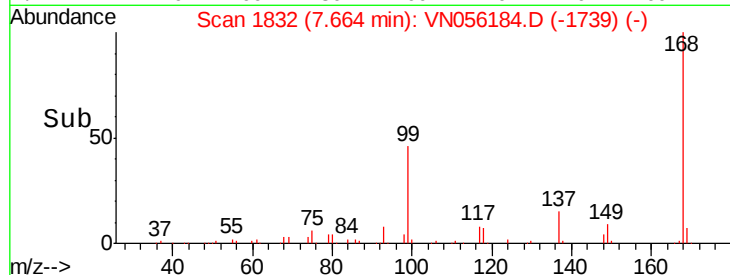
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 0.386 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056184.D

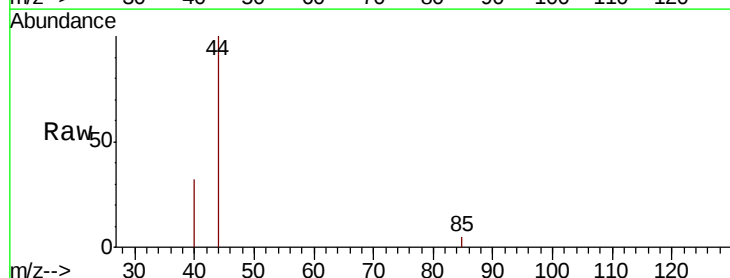
Acq: 10 Jun 2019 22:29

Tgt Ion: 85 Resp: 105

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200

150

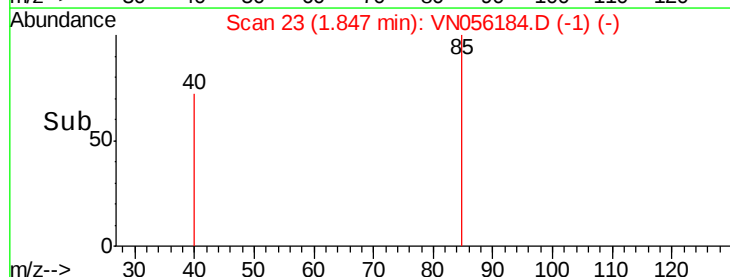
100

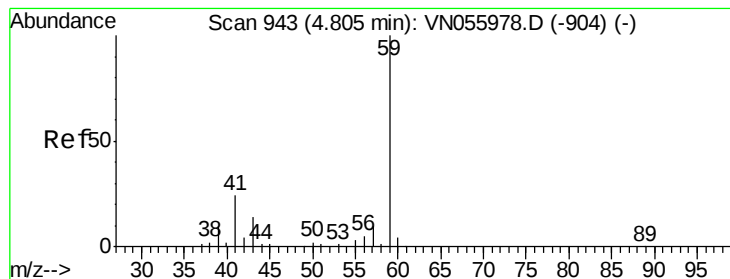
50

0

Time-->

1.83 1.84 1.85 1.86



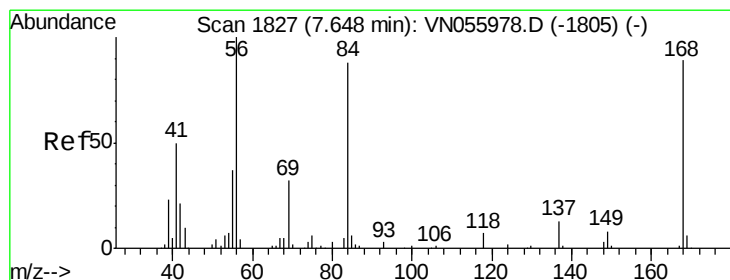
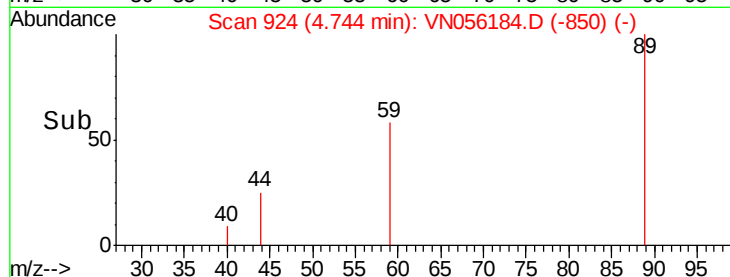
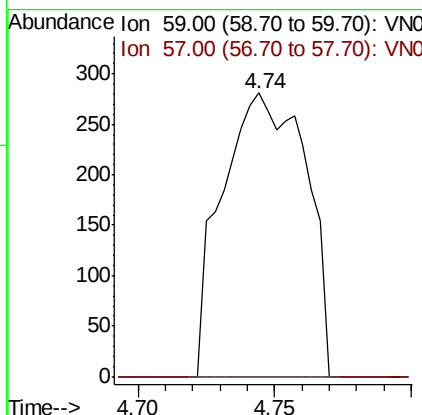
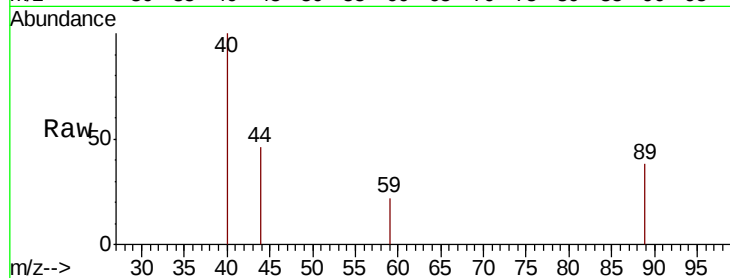


#11

Tert butyl alcohol
 Concen: 1.131 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.06 min
 Lab File: VN056184.D
 Acq: 10 Jun 2019 22:29

Instrument :
 MSVOA_N
 ClientSampled :

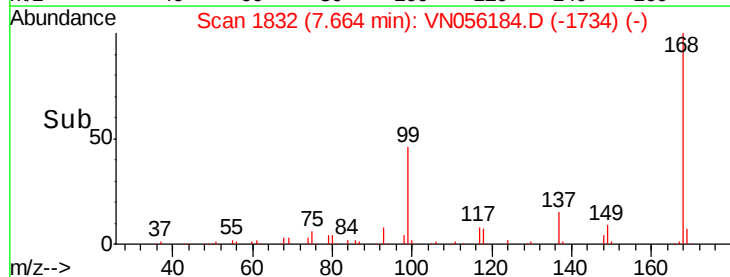
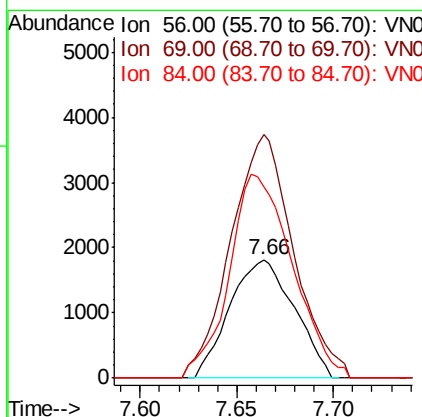
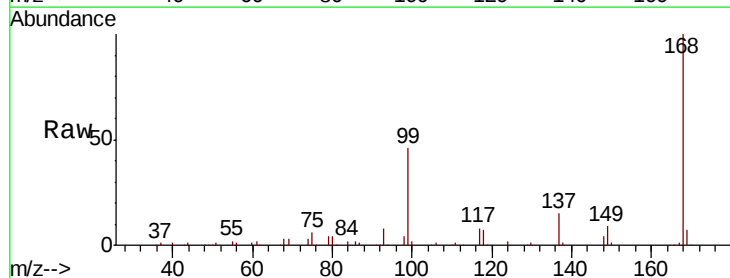
Tot Ion: 59 Resp: 599
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

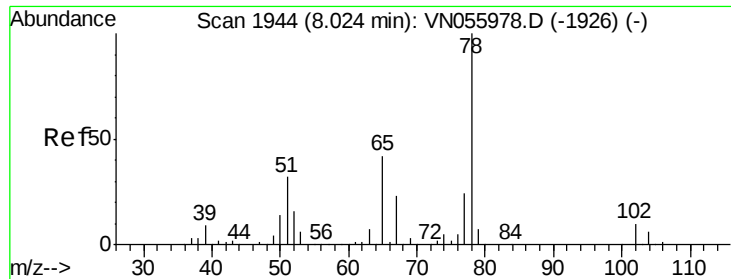


#31

Cyclohexane
 Concen: 0.870 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. 0.02 min
 Lab File: VN056184.D
 Acq: 10 Jun 2019 22:29

Tgt Ion: 56 Resp: 4203
 Ion Ratio Lower Upper
 56 100
 69 194.3 25.6 38.4#
 84 153.2 67.4 101.0#

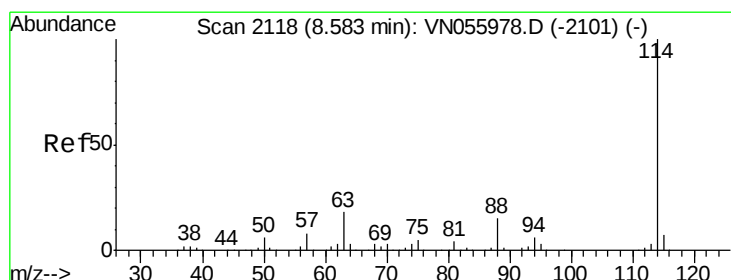
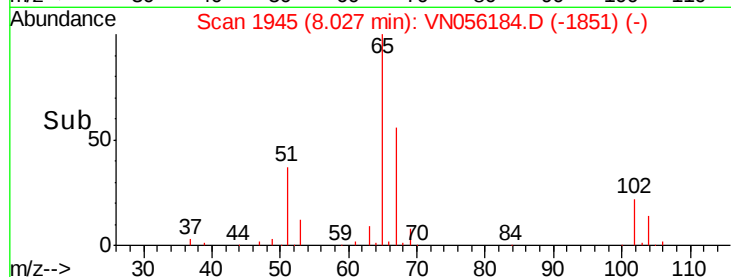
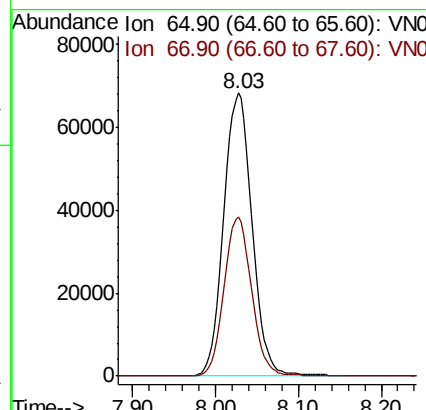
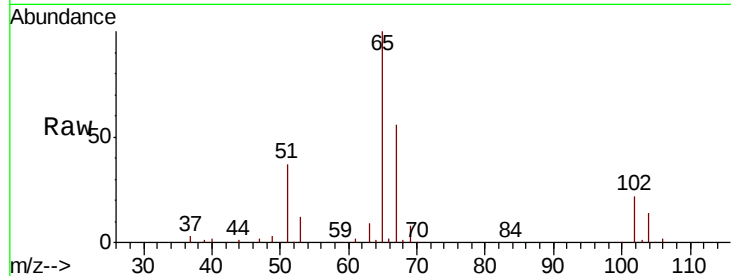




#33
 1,2-Dichloroethane-d4
 Concen: 53.498 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056184.D
 Acq: 10 Jun 2019 22:29

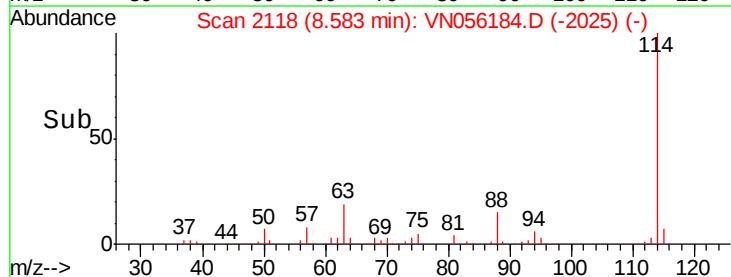
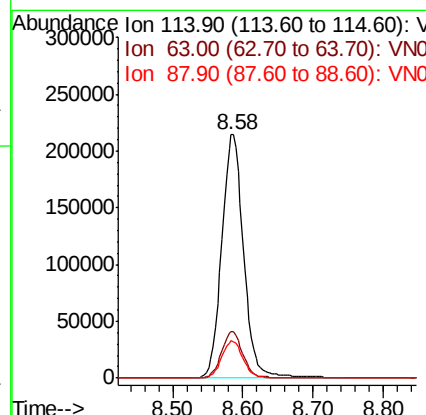
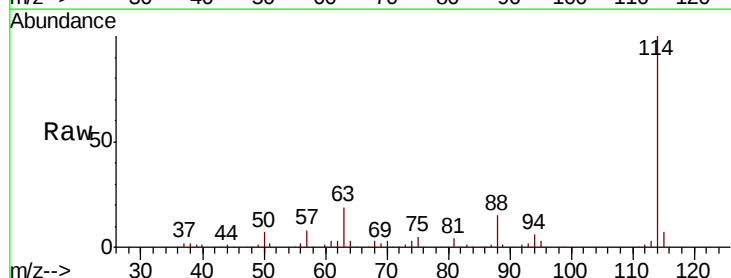
Instrument :
 MSVOA_N
 ClientSampleId :

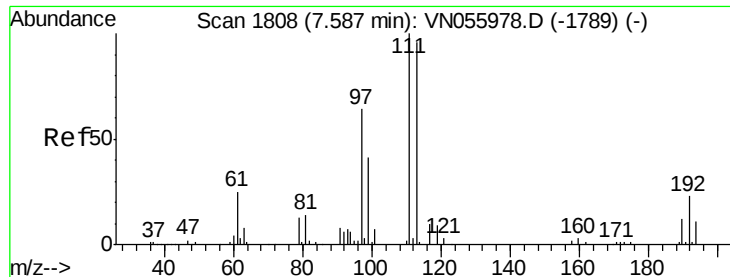
Tot Ion: 65 Resp: 162823
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056184.D
 Acq: 10 Jun 2019 22:29

Tgt Ion: 114 Resp: 463428
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 15.2 0.0 31.0

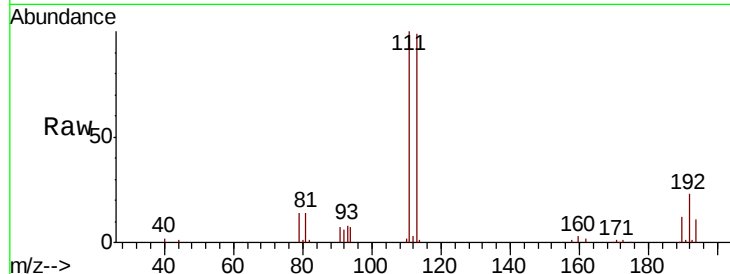




#35
 Dibromofluoromethane
 Concen: 52.714 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056184.D
 Acq: 10 Jun 2019 22:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.9	122.9
192	24.1	19.5	29.3

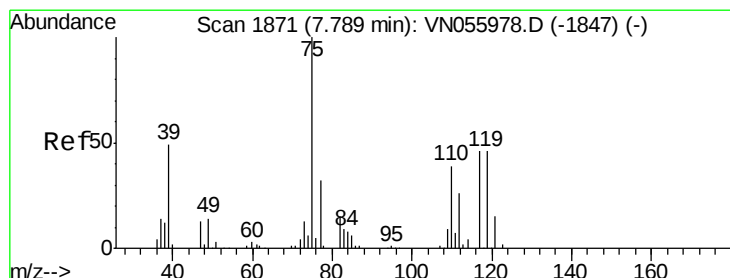
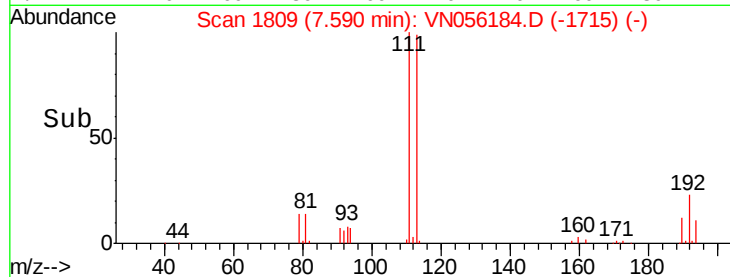
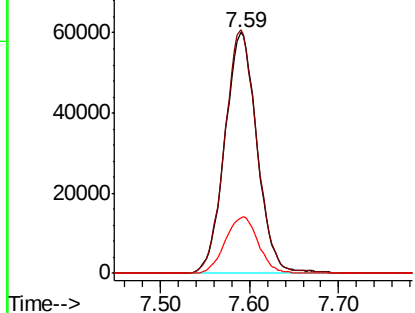


Abundance

Ion 112.80 (112.50 to 113.50): V

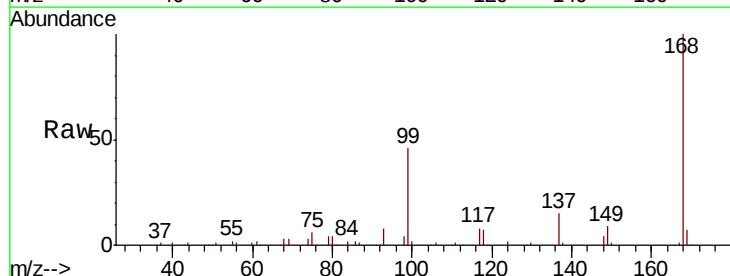
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.310 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056184.D
 Acq: 10 Jun 2019 22:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.9	19.0	57.0#
77	0.0	25.1	37.7#

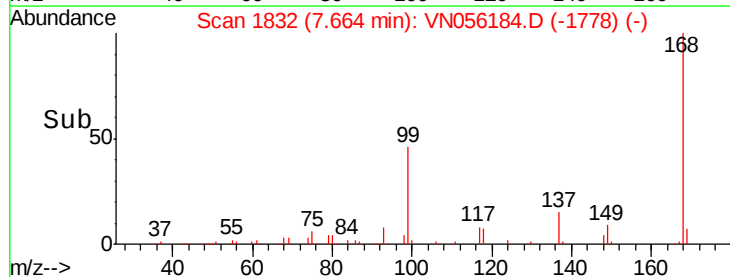
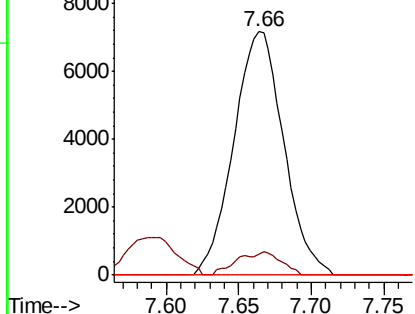


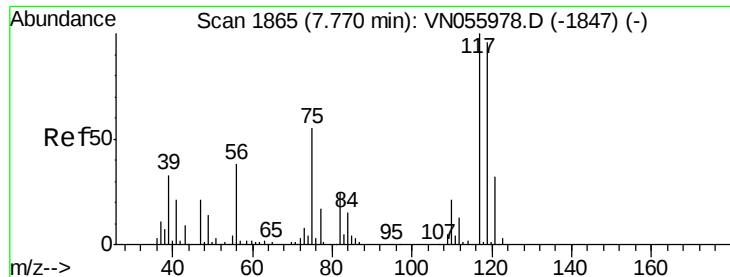
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.646 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

Instrument :

MSVOA_N

ClientSampleId :

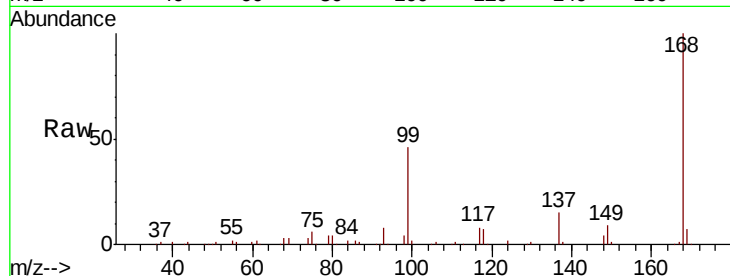
Tot Ion:117 Resp: 24417

Ion Ratio Lower Upper

117 100

119 5.1 79.0 118.6#

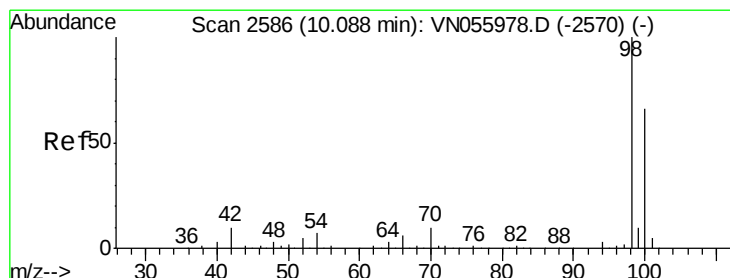
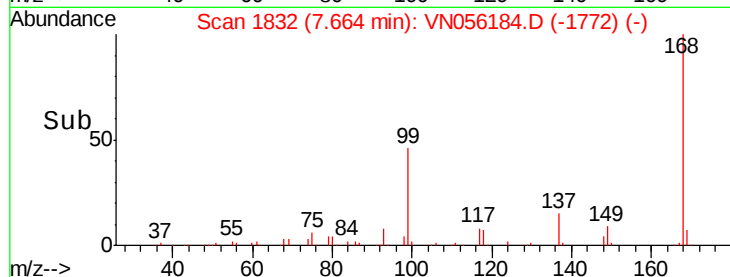
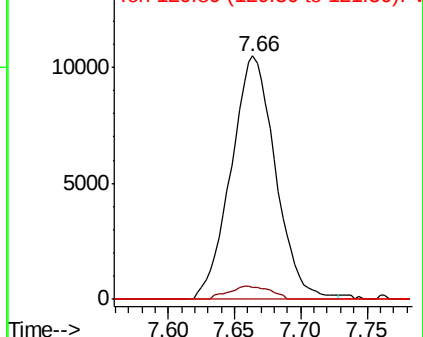
121 0.0 24.7 37.1#



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: 53.284 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056184.D

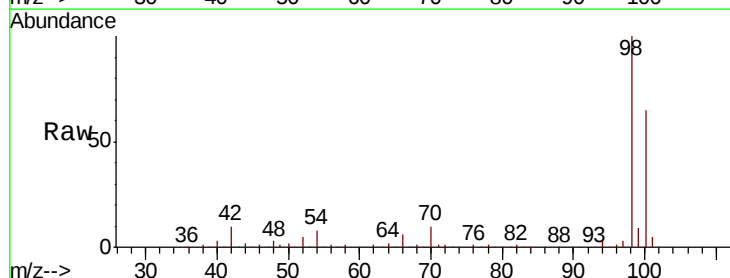
Acq: 10 Jun 2019 22:29

Tgt Ion: 98 Resp: 582979

Ion Ratio Lower Upper

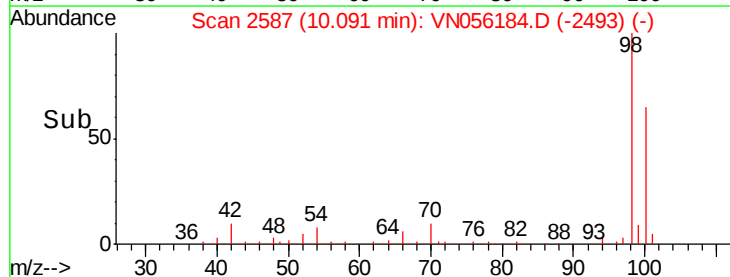
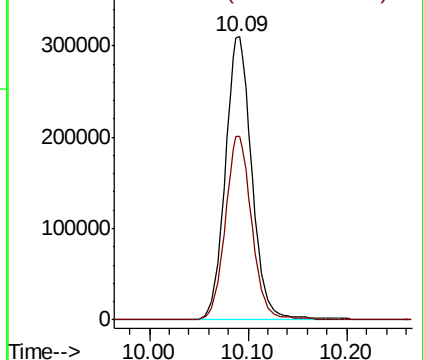
98 100

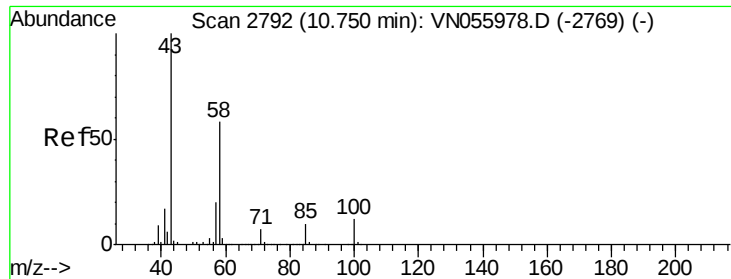
100 65.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

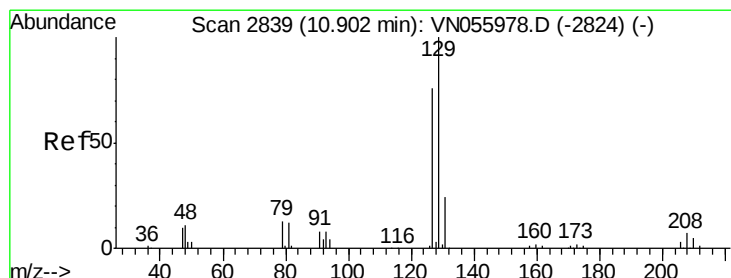
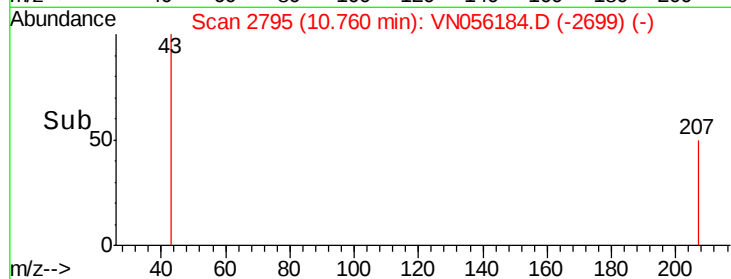
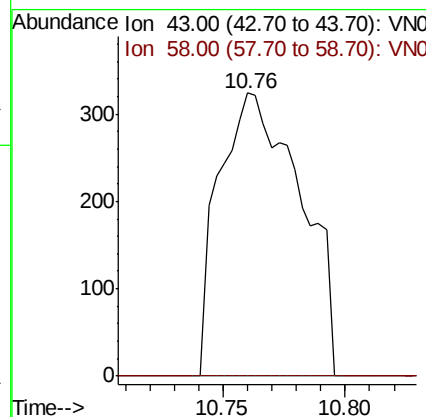
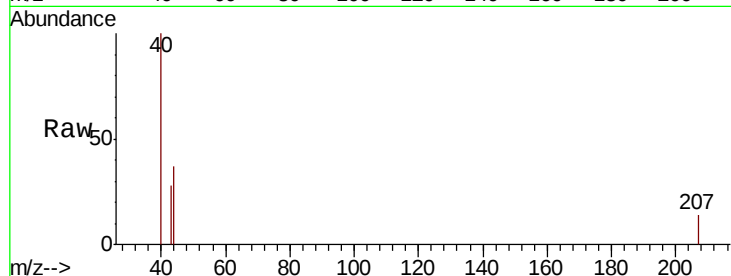




#59
2-Hexanone
Concen: 0.288 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN056184.D
Acq: 10 Jun 2019 22:29

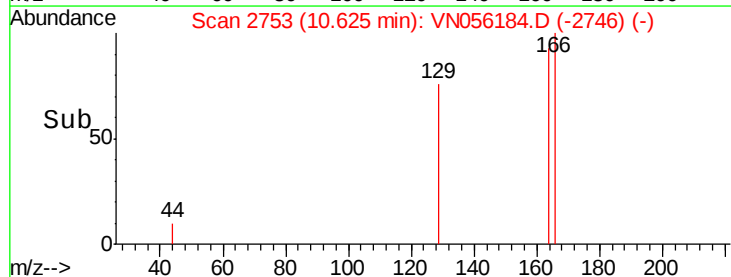
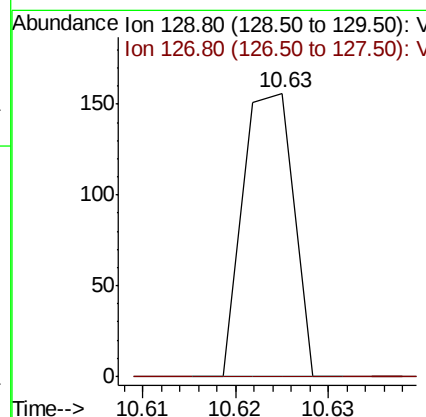
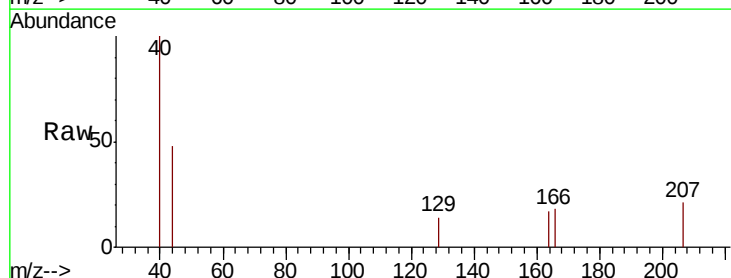
Instrument :
MSVOA_N
ClientSampleId :

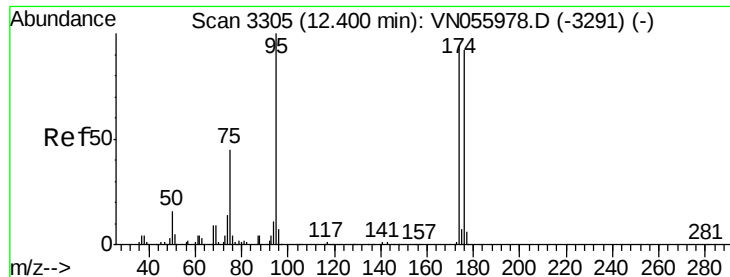
Tot Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 0.0 28.2 84.7#



#60
Dibromochloromethane
Concen: 2.469 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.28 min
Lab File: VN056184.D
Acq: 10 Jun 2019 22:29

Tgt Ion: 129 Resp: 59
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#





#62

4-Bromofluorobenzene

Concen: 49.815 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

Instrument :

MSVOA_N

ClientSampleId :

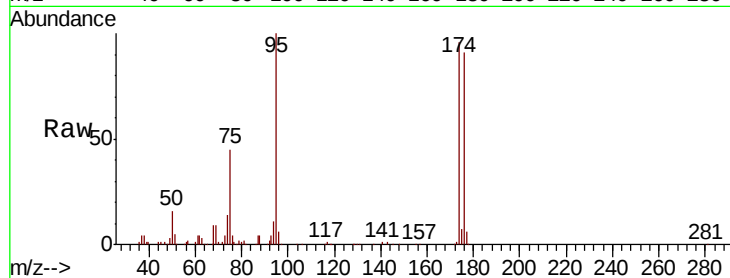
Tot Ion: 95 Resp: 185351

Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.0

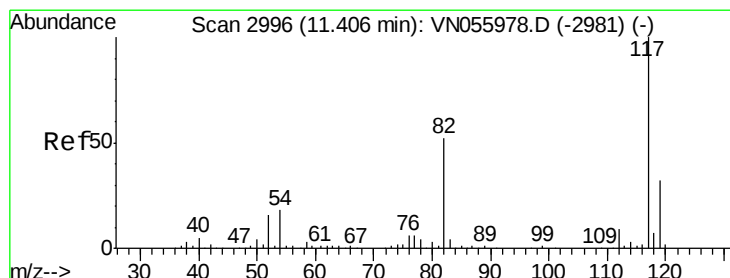
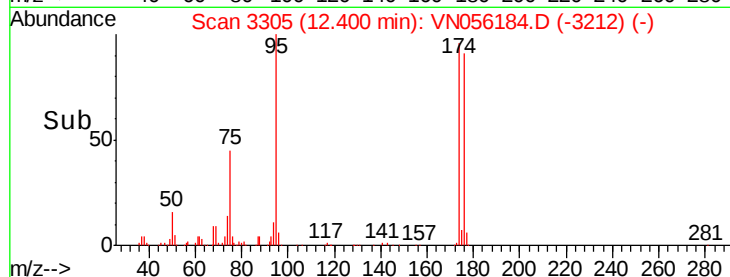
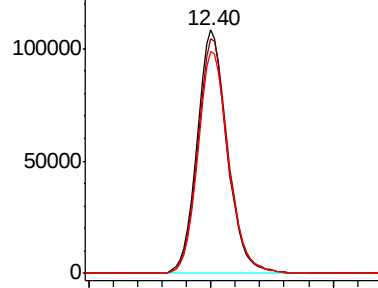
176 93.1 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

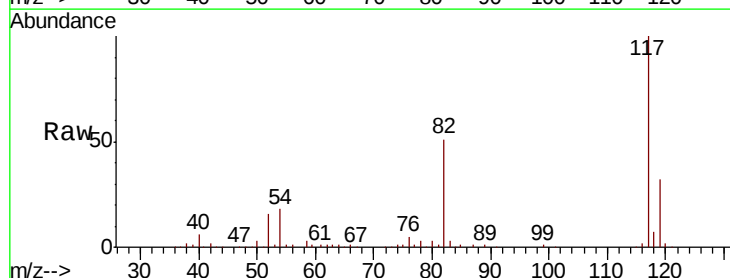
Tgt Ion: 117 Resp: 450960

Ion Ratio Lower Upper

117 100

82 51.1 41.8 62.8

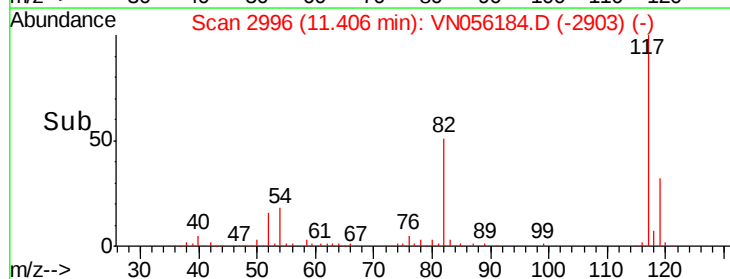
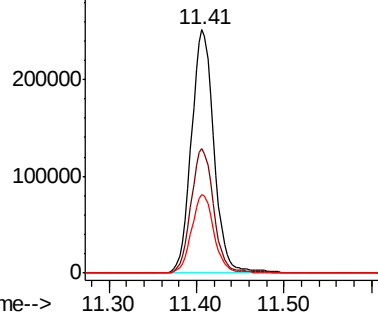
119 32.2 25.4 38.0

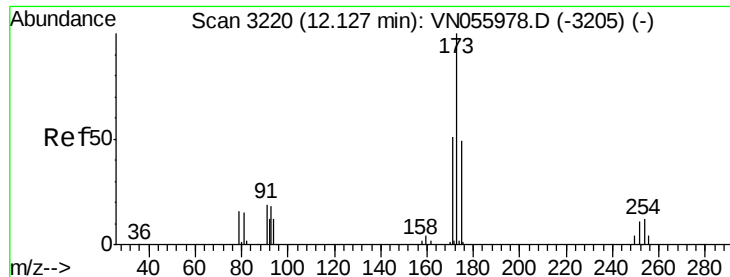


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#71

Bromoform

Concen: 3.230 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

Instrument :

MSVOA_N

ClientSampleId :

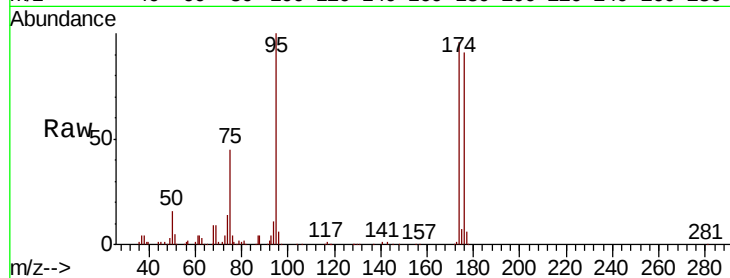
Tot Ion:173 Resp: 1343

Ion Ratio Lower Upper

173 100

175 839.8 24.3 72.8#

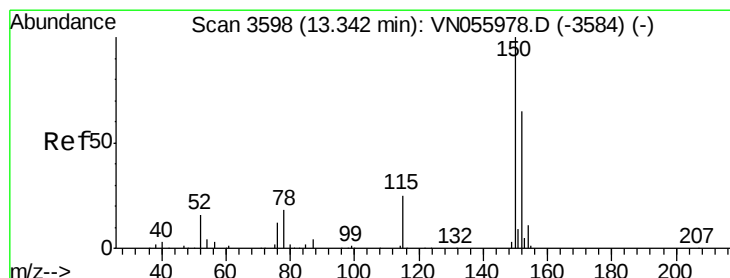
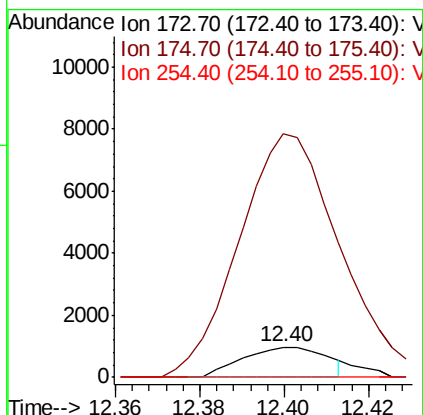
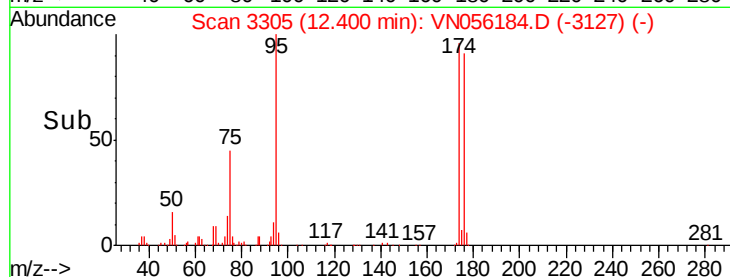
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

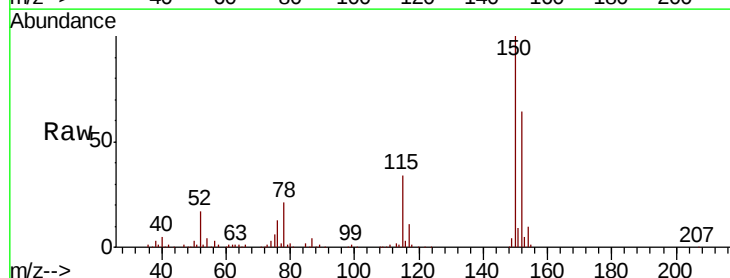
Tgt Ion:152 Resp: 140195

Ion Ratio Lower Upper

152 100

115 52.3 27.0 81.0

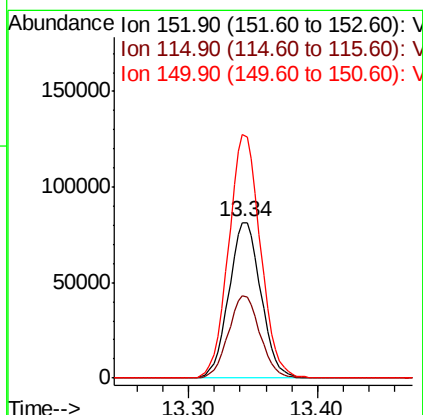
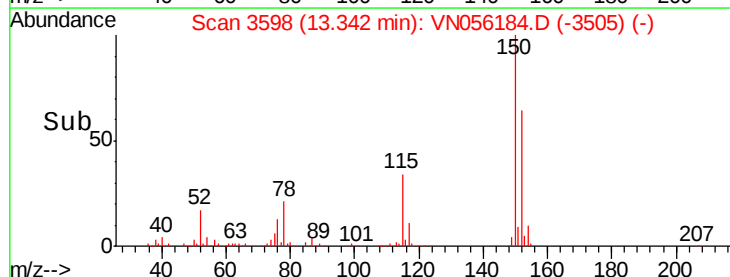
150 155.5 0.0 343.2

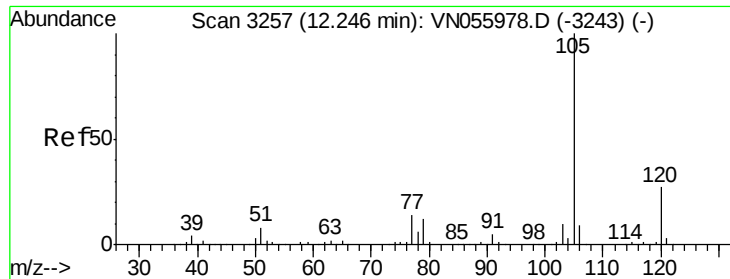


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

Instrument :

MSVOA_N

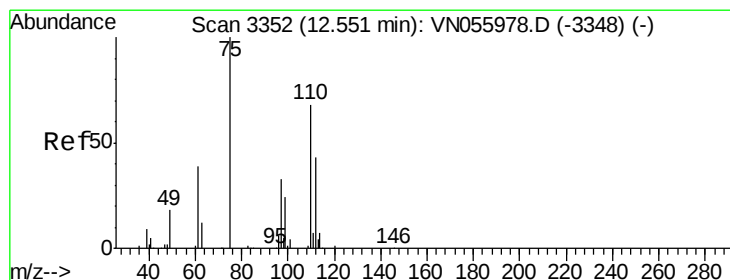
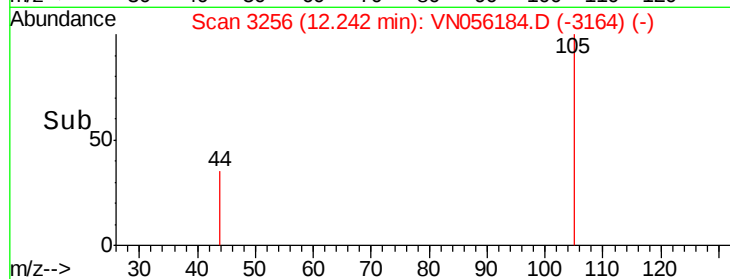
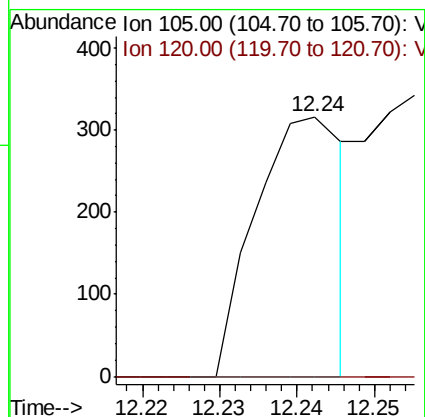
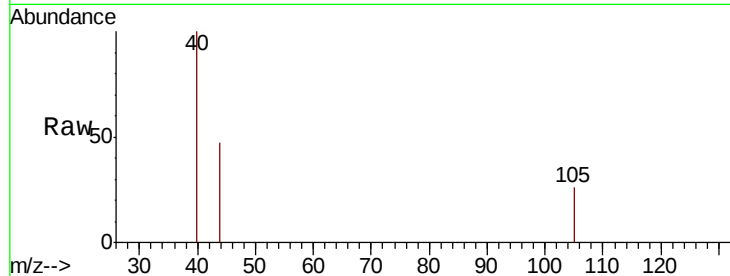
ClientSampled :

Tot Ion:105 Resp: 250

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 32.768 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056184.D

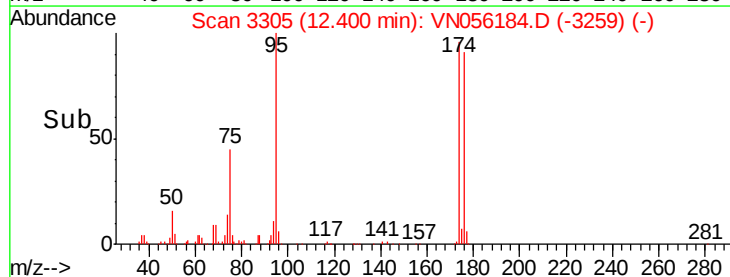
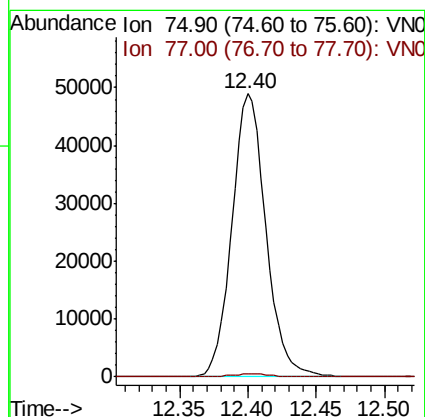
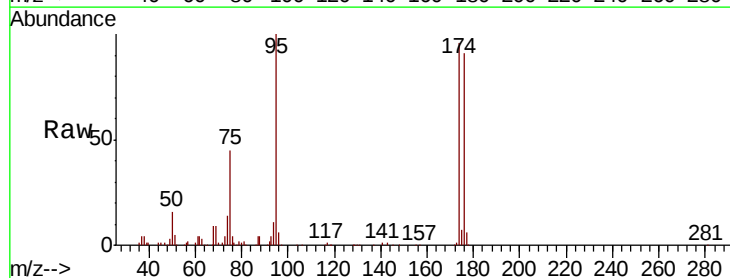
Acq: 10 Jun 2019 22:29

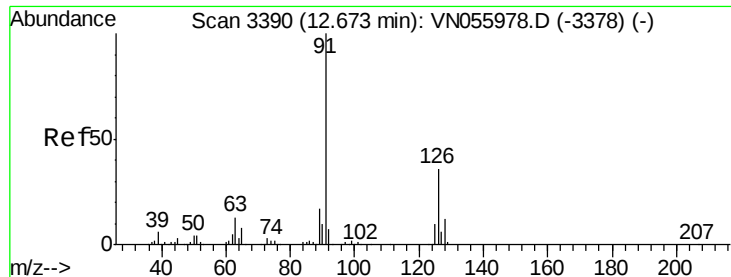
Tgt Ion: 75 Resp: 84530

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3420

Delta R.T. 0.10 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

Instrument :

MSVOA_N

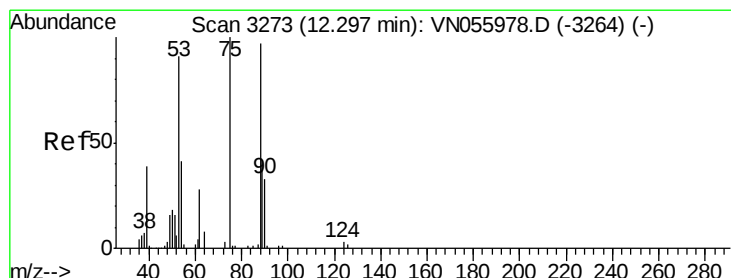
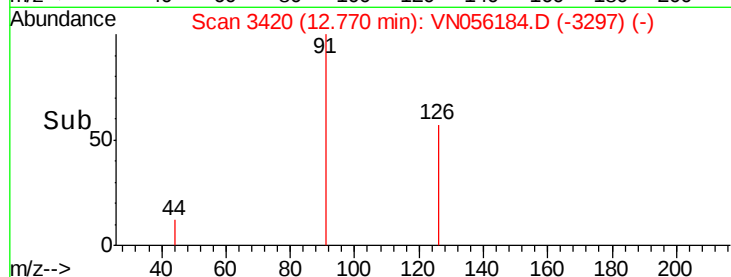
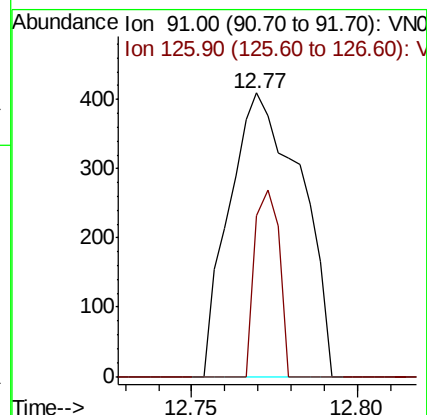
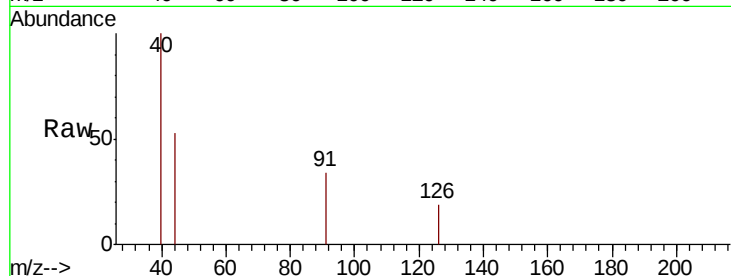
ClientSampled :

Tot Ion: 91 Resp: 612

Ion Ratio Lower Upper

91 100

126 22.7 18.1 54.4



#81

trans-1,4-Dichloro-2-butene

Concen: 109.124 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056184.D

Acq: 10 Jun 2019 22:29

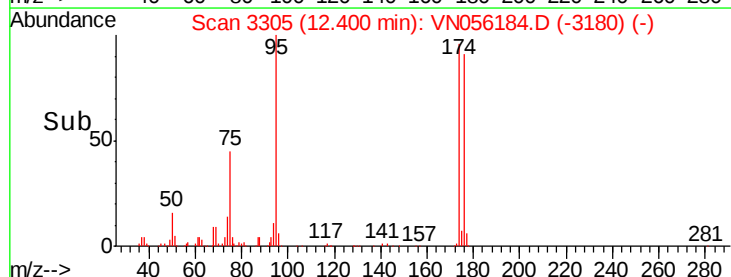
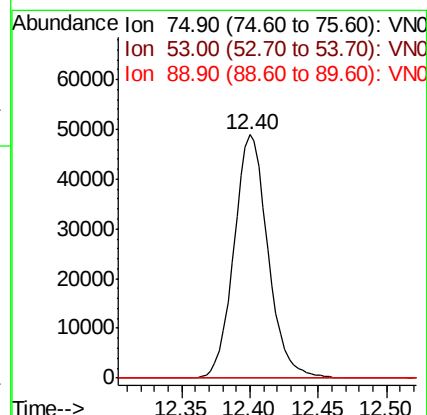
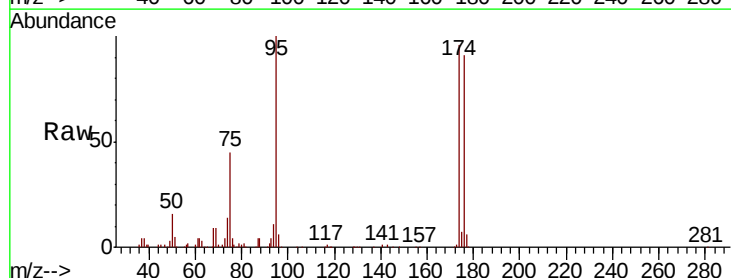
Tgt Ion: 75 Resp: 84530

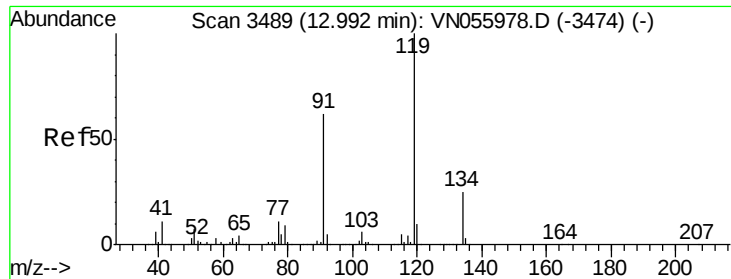
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

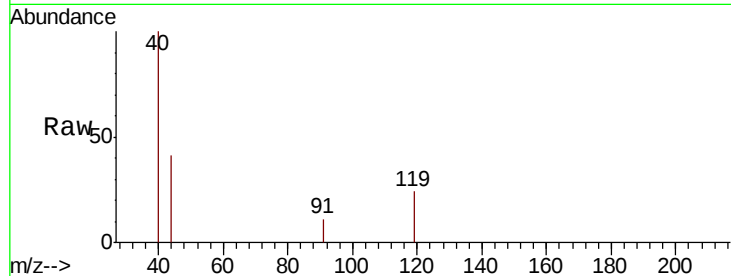




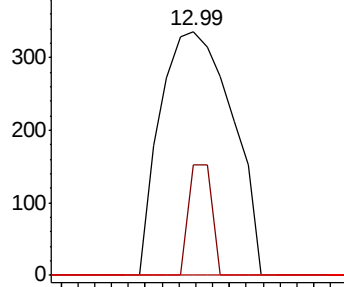
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056184.D
Acq: 10 Jun 2019 22:29

Instrument :
MSVOA_N
ClientSampleId :

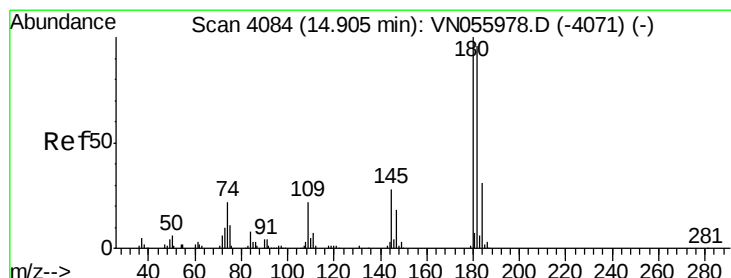
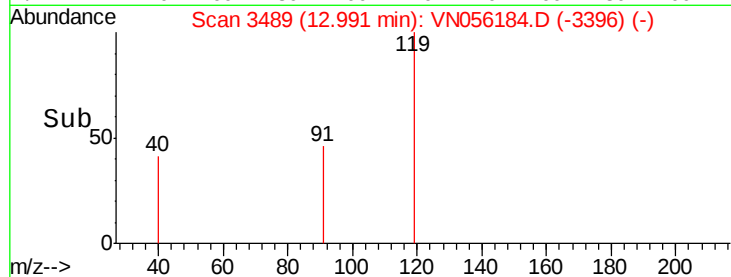
Tot Ion:119 Resp: 400
Ion Ratio Lower Upper
119 100
91 14.8 30.9 92.8#
134 0.0 13.3 39.8#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

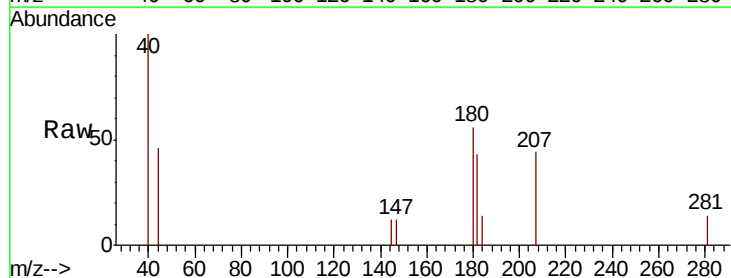


Time--> 12.96 12.98 13.00 13.02

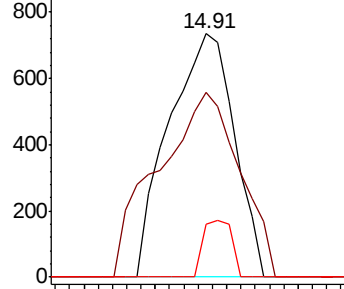


#93
1,2,4-Trichlorobenzene
Concen: 4.599 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN056184.D
Acq: 10 Jun 2019 22:29

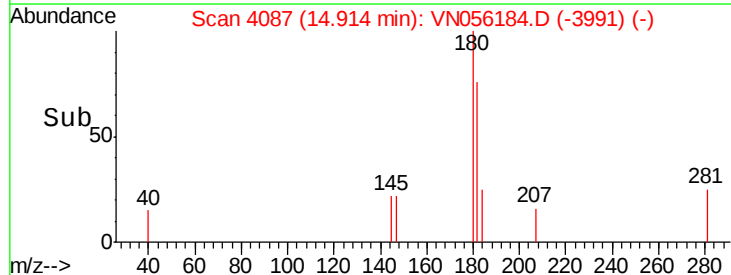
Tgt Ion:180 Resp: 931
Ion Ratio Lower Upper
180 100
182 95.3 48.3 144.9
145 10.2 14.0 41.9#

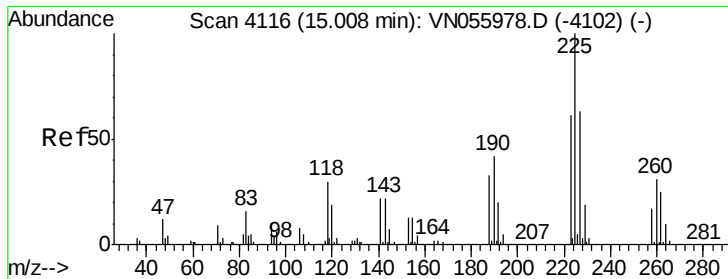


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



Time--> 14.88 14.90 14.92 14.94





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056184.D

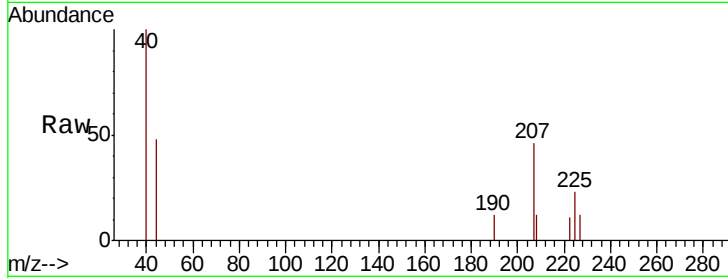
Acq: 10 Jun 2019 22:29

Instrument :

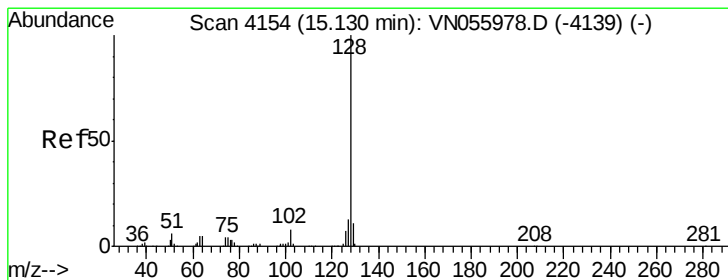
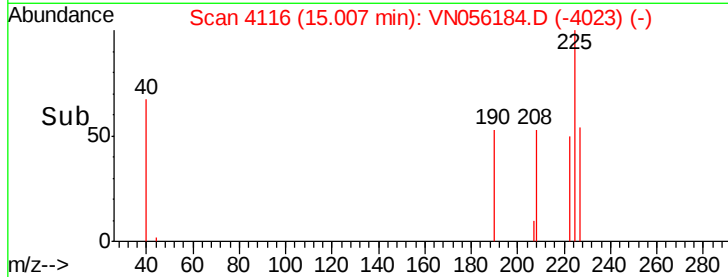
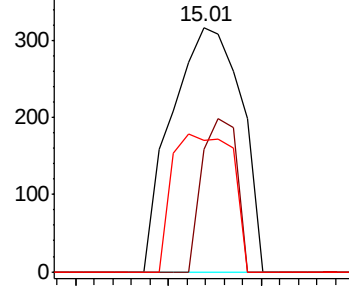
MSVOA_N

ClientSampled :

Tot Ion:	225	Resp:	332
Ion	Ratio	Lower	Upper
225	100		
223	31.6	30.9	92.7
227	48.2	31.6	94.7



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: 4.159 ug/l

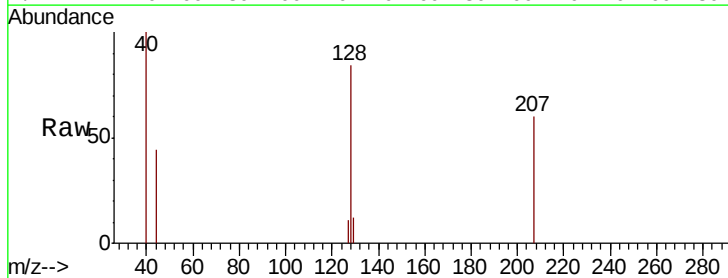
RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

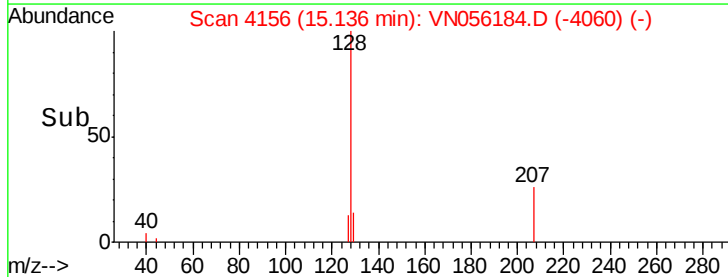
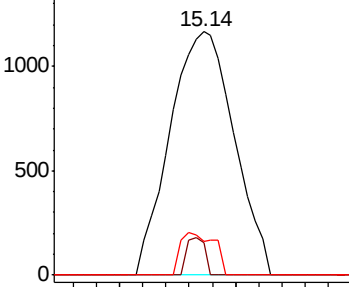
Lab File: VN056184.D

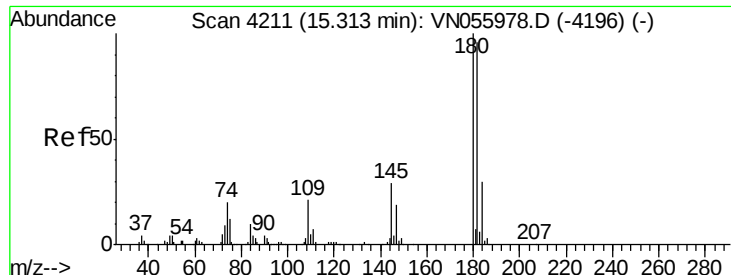
Acq: 10 Jun 2019 22:29

Tgt Ion:	128	Resp:	2238
Ion	Ratio	Lower	Upper
128	100		
127	4.3	10.3	15.5#
129	9.2	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: 3.399 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN056184.D
 Acq: 10 Jun 2019 22:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.7#
145	15.0	14.9	44.7

