

Data File : VN058863.D
Acq On : 18 Oct 2019 17:11
Operator : JC/SP
Sample : K5452-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0421A

Quant Time: Oct 21 08:00:33 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	383352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	608260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	533583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	189321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	294537	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.57	113	208501	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.08	98	782849	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	243821	42.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.54%	

Target Compounds

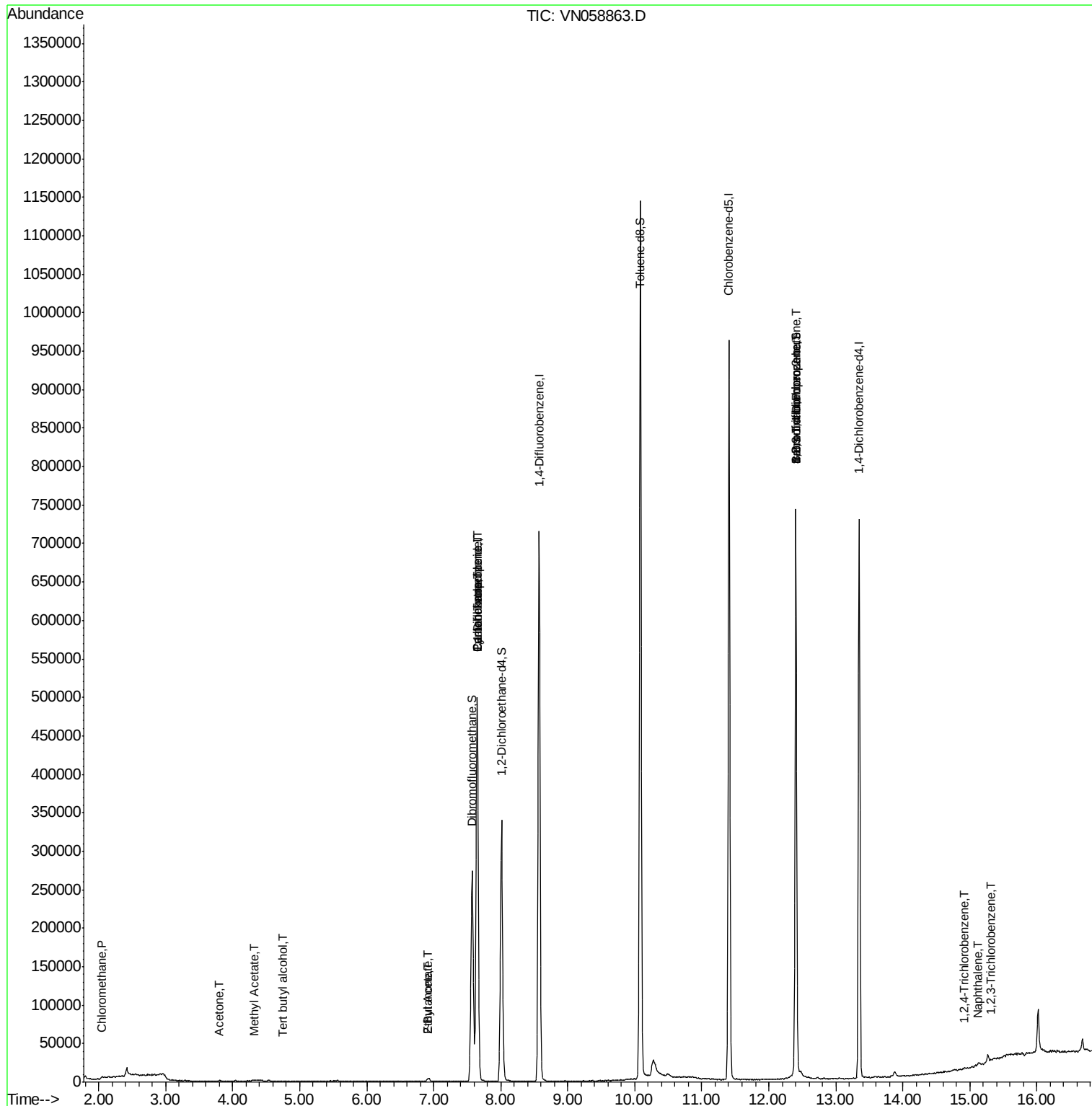
						Qvalue
3) Chloromethane	2.04	50	2067	0.349	ug/l	100
11) Tert butyl alcohol	4.74	59	307	0.329	ug/l #	72
16) Acetone	3.80	43	681	0.245	ug/l	89
18) Methyl Acetate	4.31	43	1808	0.286	ug/l #	62
25) 2-Butanone	6.92	43	8004	2.219	ug/l #	51
31) Cyclohexane	7.65	56	9273	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	33529	5.384	ug/l #	50
37) Ethyl Acetate	6.92	43	8004	1.180	ug/l #	84
38) Carbon Tetrachloride	7.65	117	38435	5.991	ug/l #	17
71) Bromoform	12.41	173	1489	0.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	131527	29.976	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131527	78.090	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.92	180	65	2.537	ug/l #	31
95) Naphthalene	15.14	128	759	2.292	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	106	2.422	ug/l #	35

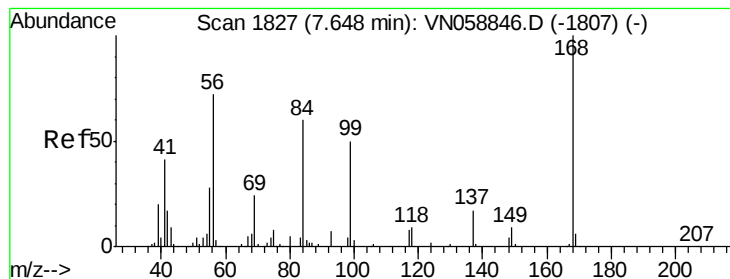
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

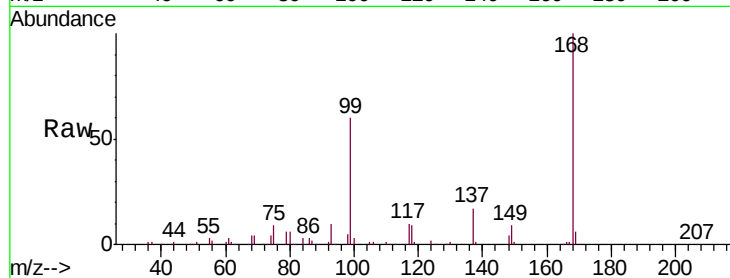
FA19-MMW0421A

Tgt Ion: 168 Resp: 383352

Ion Ratio Lower Upper

168 100

99 59.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

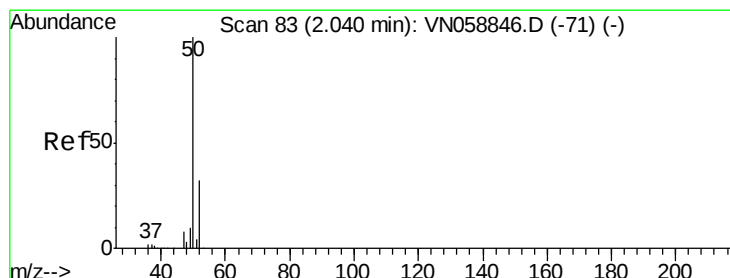
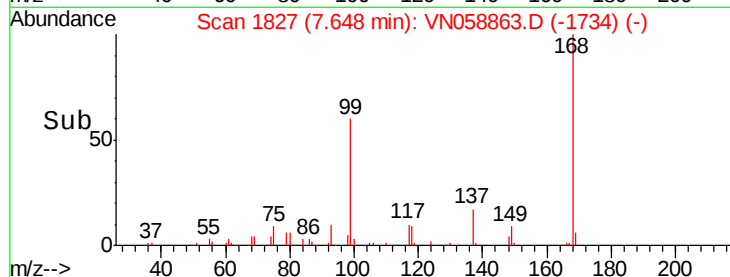
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.349 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058863.D

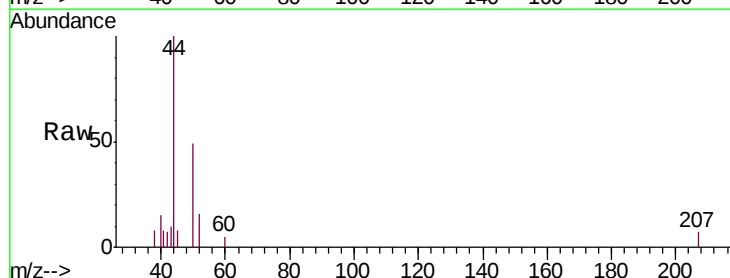
Acq: 18 Oct 2019 17:11

Tgt Ion: 50 Resp: 2067

Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1500

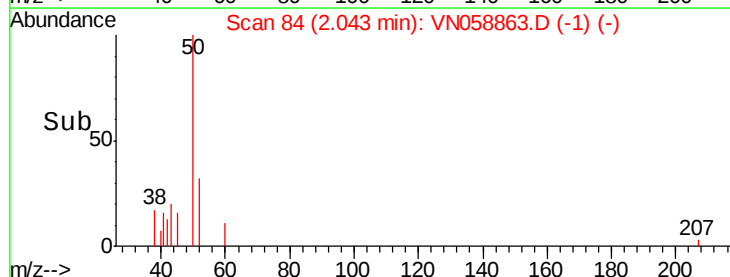
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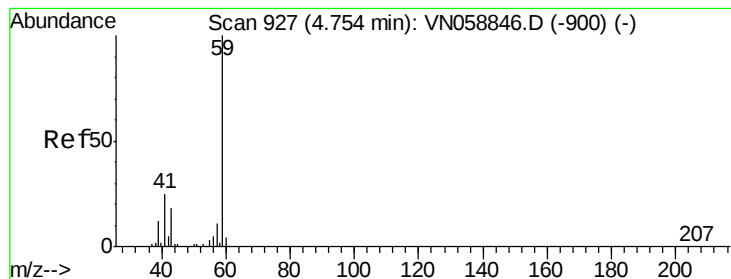
500

0

2.00 2.05

Time-->



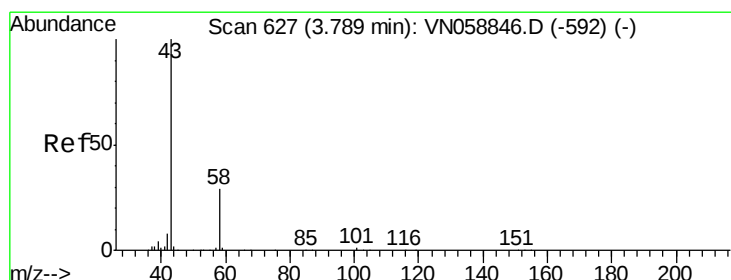
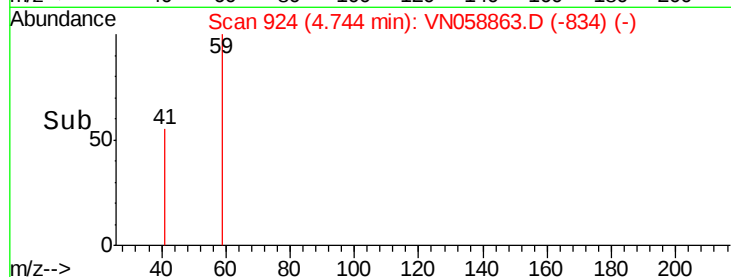
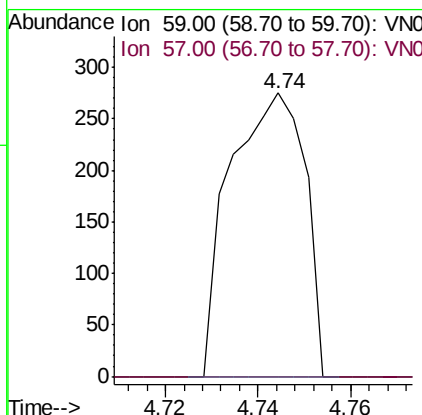
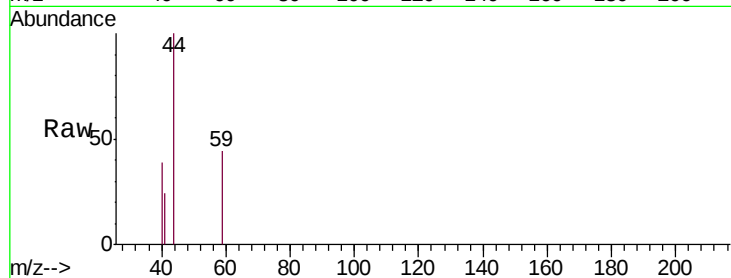


#11

Tert butyl alcohol
 Concen: 0.329 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VN058863.D
 Acq: 18 Oct 2019 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0421A

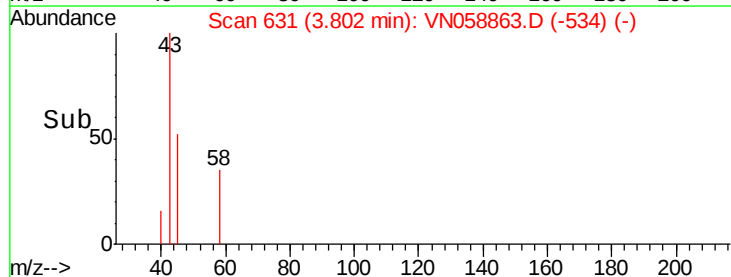
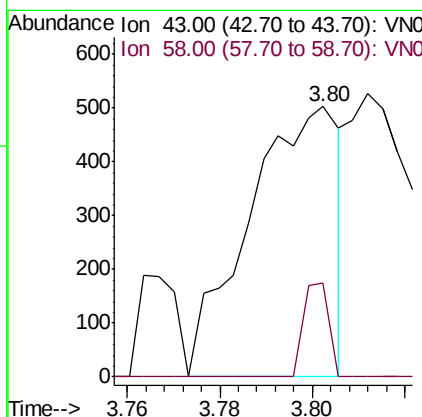
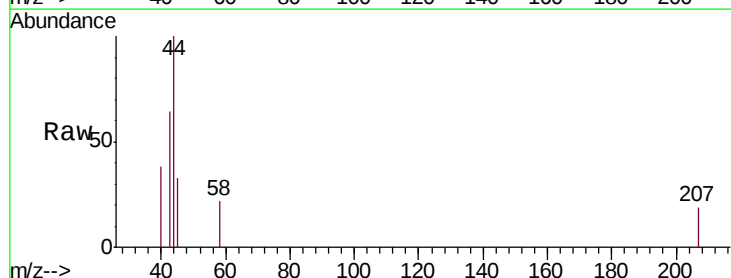
Tgt Ion: 59 Resp: 307
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

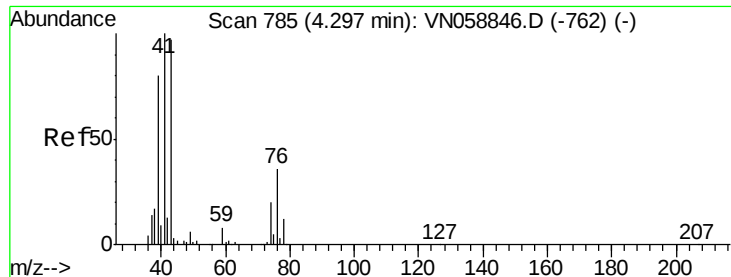


#16

Acetone
 Concen: 0.245 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN058863.D
 Acq: 18 Oct 2019 17:11

Tgt Ion: 43 Resp: 681
 Ion Ratio Lower Upper
 43 100
 58 34.6 23.1 34.7

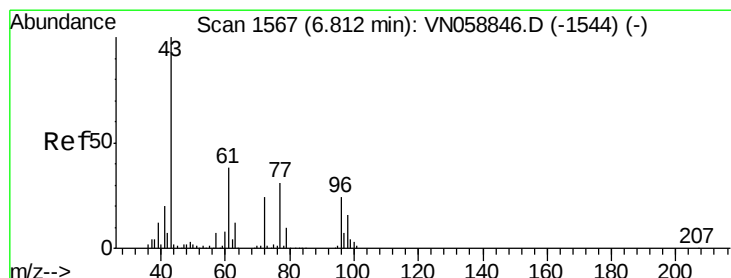
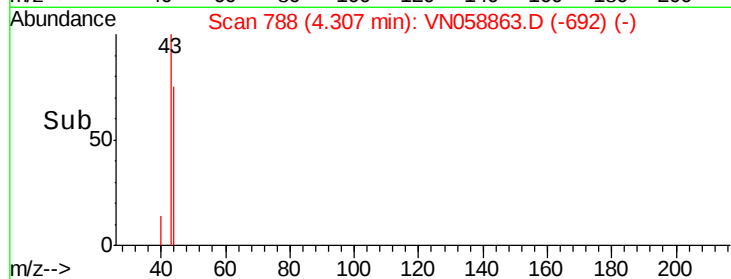
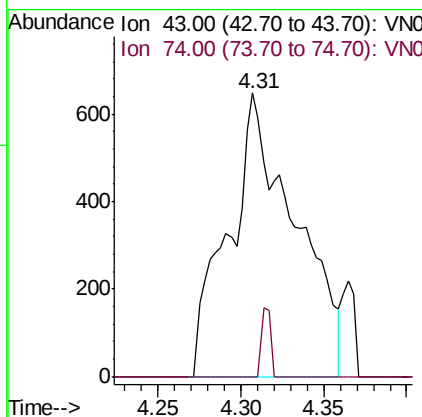
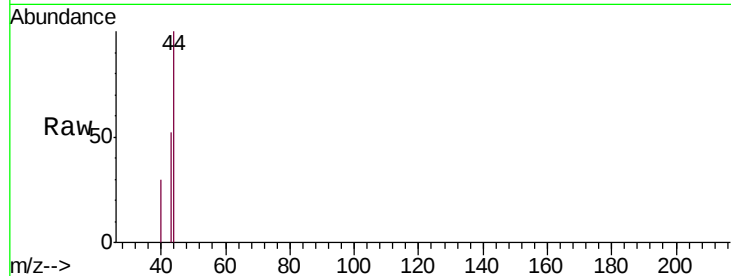




#18
Methyl Acetate
Concen: 0.286 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058863.D
Acq: 18 Oct 2019 17:11

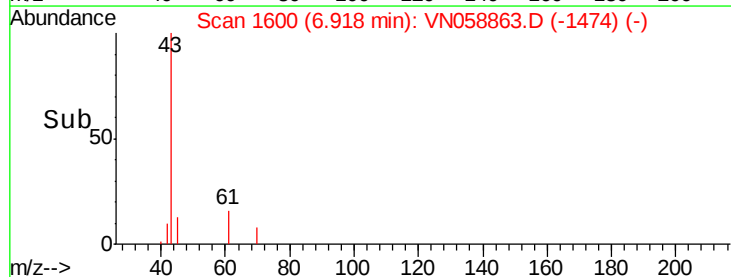
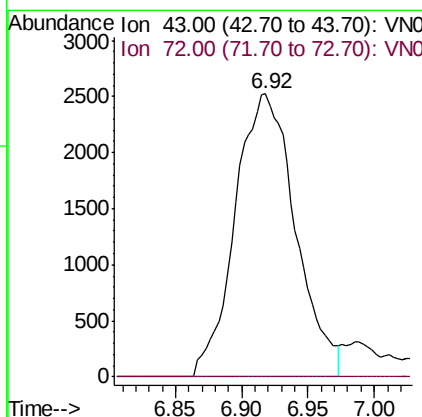
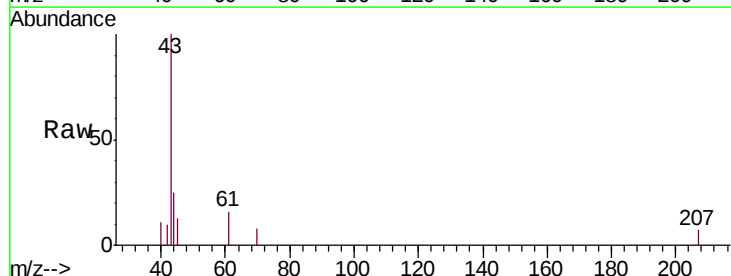
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0421A

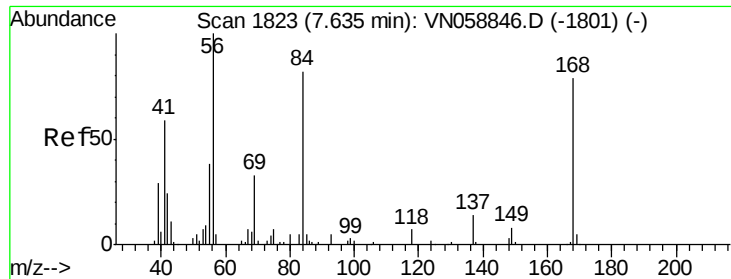
Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
74 3.3 17.1 25.7#



#25
2-Butanone
Concen: 2.219 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.11 min
Lab File: VN058863.D
Acq: 18 Oct 2019 17:11

Tgt Ion: 43 Resp: 8004
Ion Ratio Lower Upper
43 100
72 0.0 19.1 28.7#

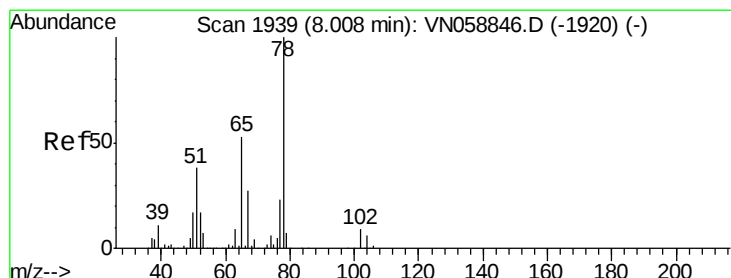
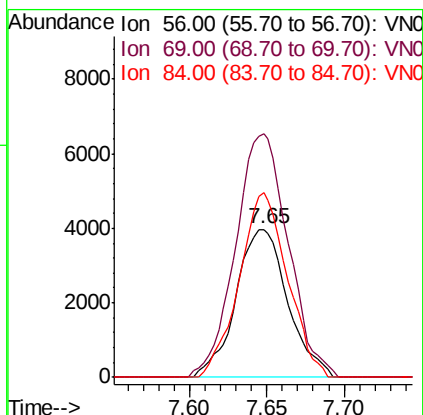
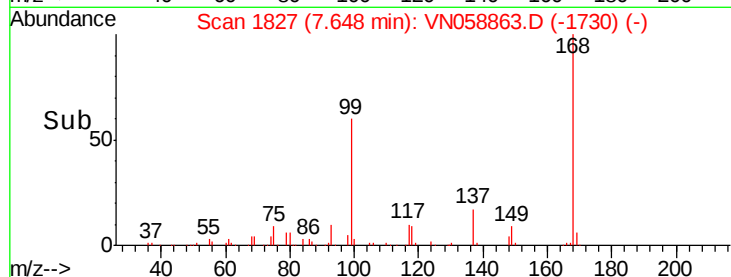
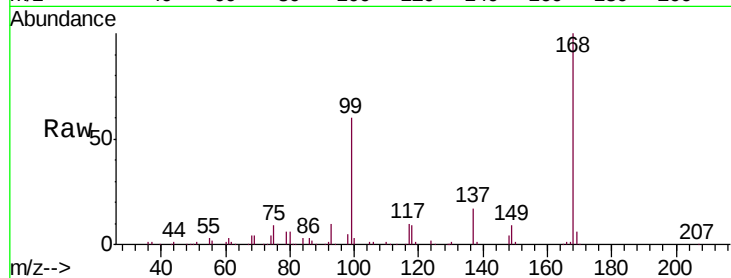




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058863.D
Acq: 18 Oct 2019 17:11

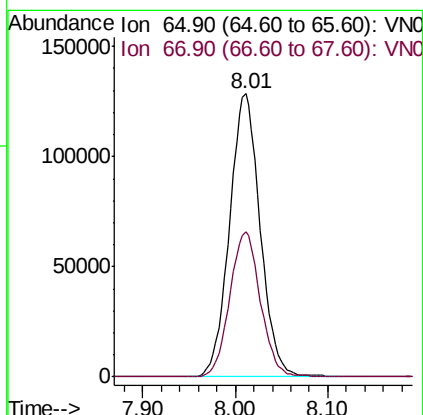
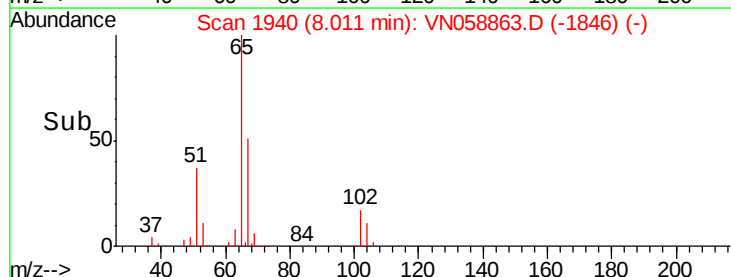
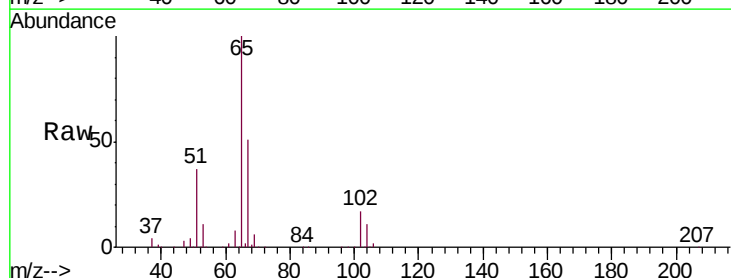
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0421A

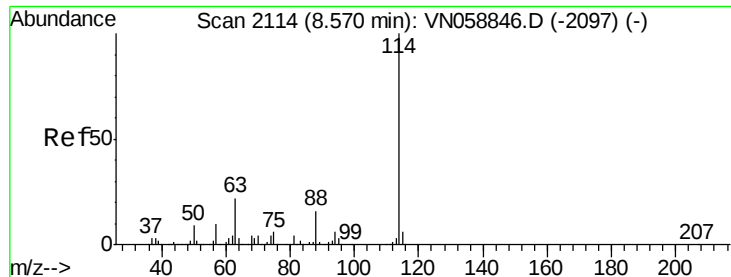
Tgt Ion: 56 Resp: 9273
Ion Ratio Lower Upper
56 100
69 164.3 26.2 39.4#
84 124.7 65.6 98.4#



#33
1,2-Dichloroethane-d4
Concen: 52.386 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058863.D
Acq: 18 Oct 2019 17:11

Tgt Ion: 65 Resp: 294537
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.2

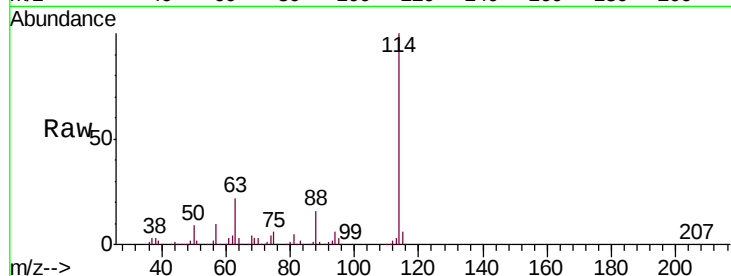




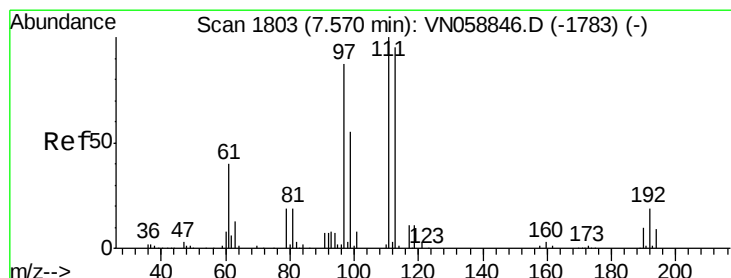
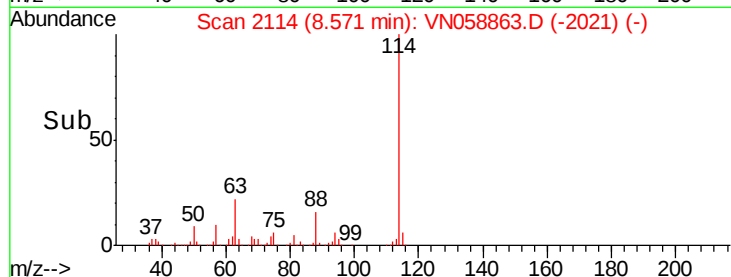
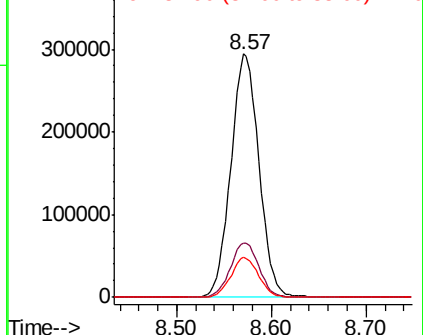
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VN058863.D
Acq: 18 Oct 2019 17:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0421A

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.4
88	16.2	0.0	31.4

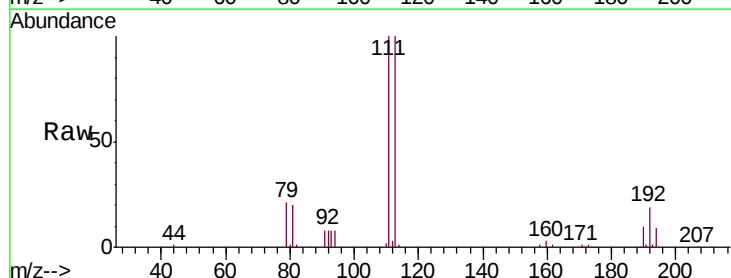


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

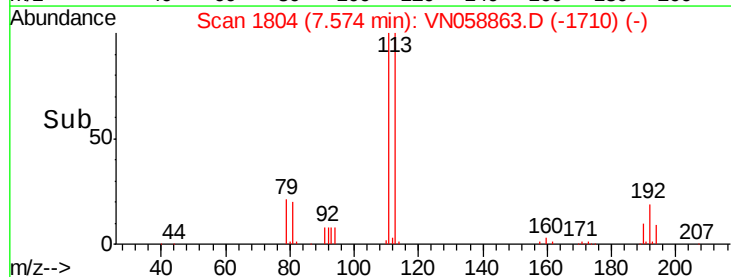
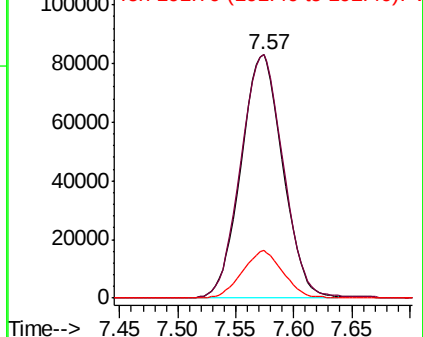


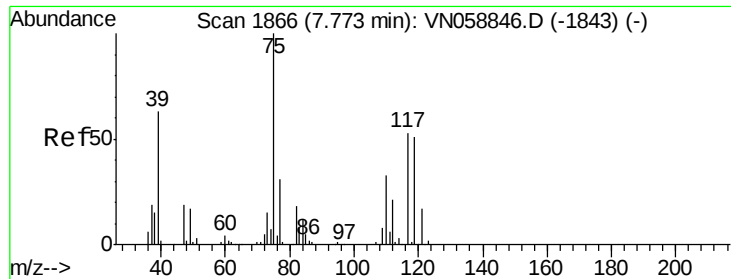
#35
Dibromofluoromethane
Concen: 52.136 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058863.D
Acq: 18 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	19.1	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

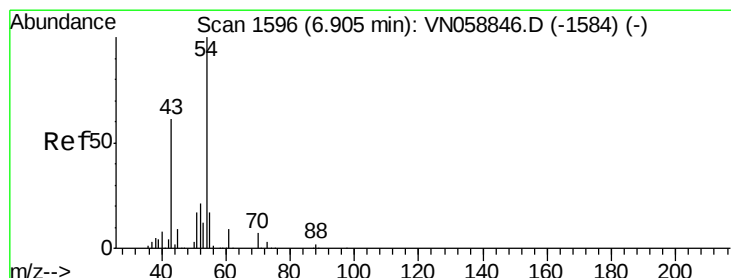
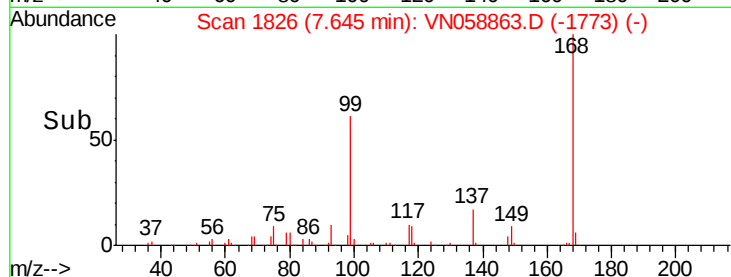
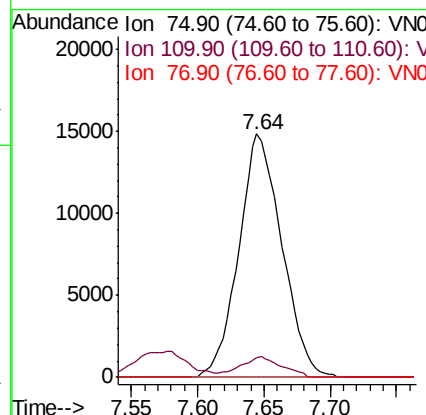
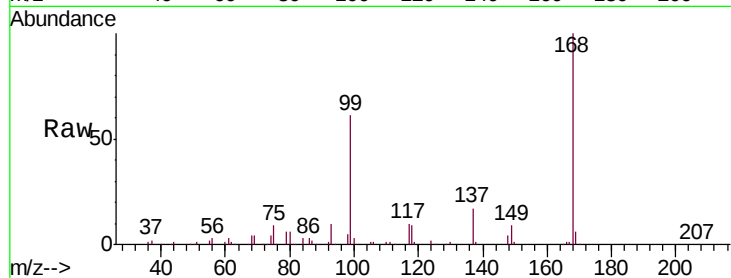




#36
 1,1-Dichloropropene
 Concen: 5.384 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058863.D
 Acq: 18 Oct 2019 17:11

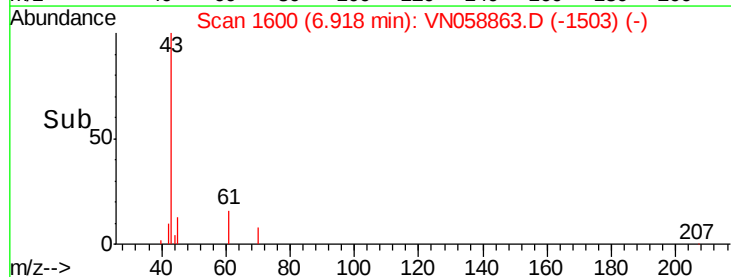
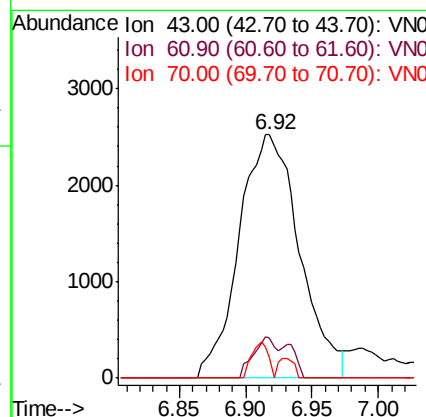
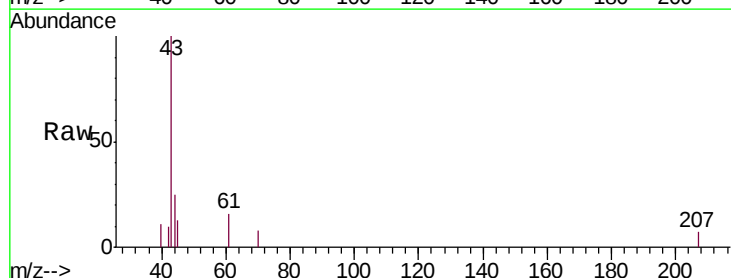
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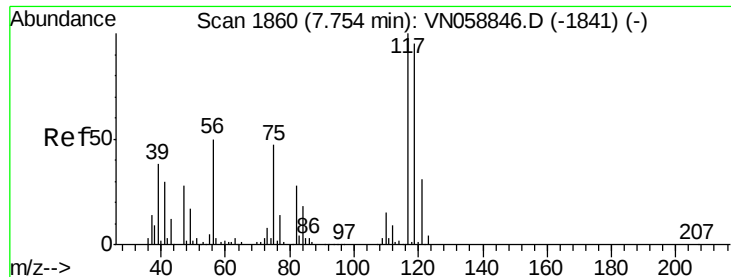
Tgt Ion: 75 Resp: 33529
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.3 48.9#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 1.180 ug/l
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VN058863.D
 Acq: 18 Oct 2019 17:11

Tgt Ion: 43 Resp: 8004
 Ion Ratio Lower Upper
 43 100
 61 6.4 10.5 15.7#
 70 4.0 7.6 11.4#

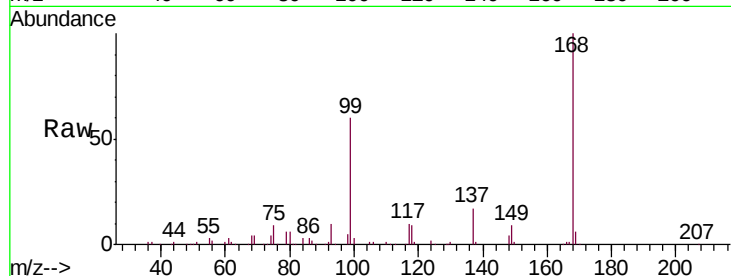




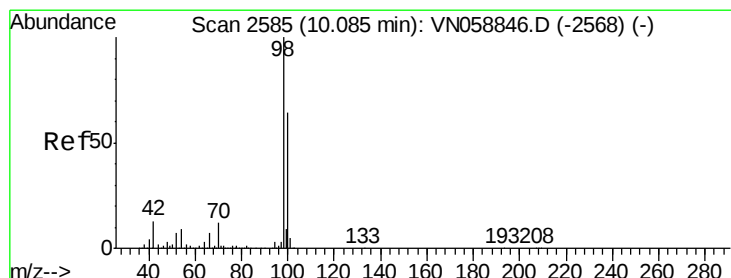
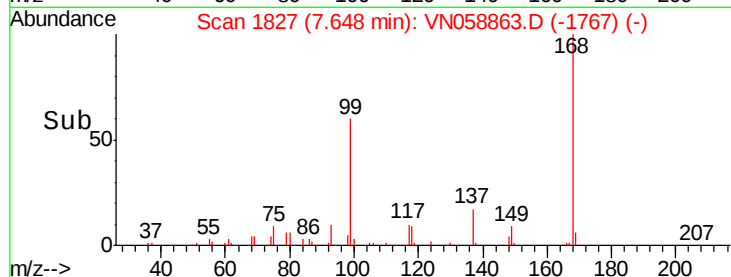
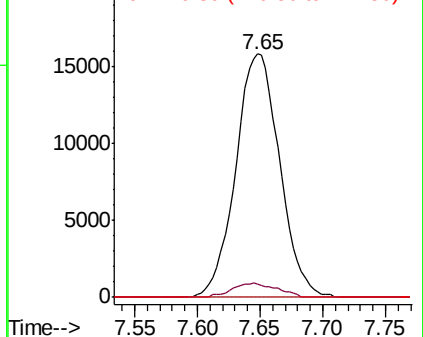
#38
Carbon Tetrachloride
Concen: 5.991 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058863.D
Acq: 18 Oct 2019 17:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0421A

Tgt Ion:117 Resp: 38435
Ion Ratio Lower Upper
117 100
119 5.6 75.7 113.5#
121 0.0 25.0 37.6#

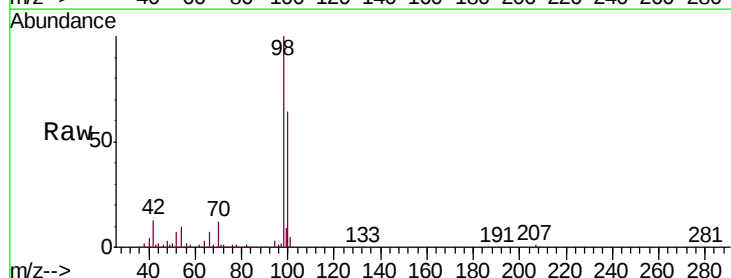


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

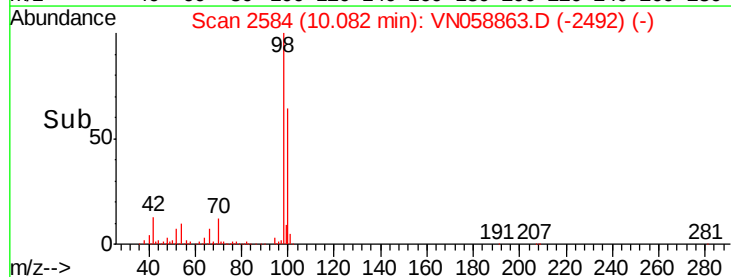
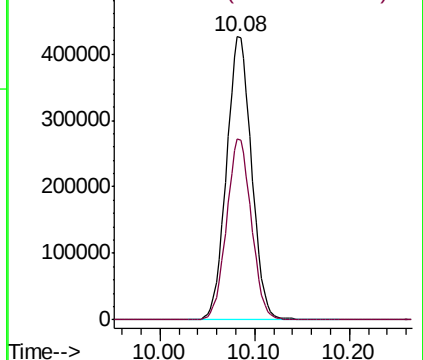


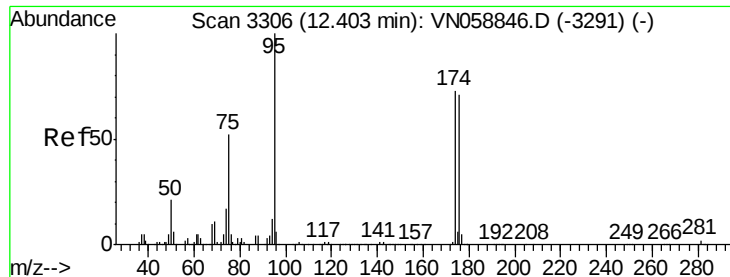
#50
Toluene-d8
Concen: 50.428 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058863.D
Acq: 18 Oct 2019 17:11

Tgt Ion: 98 Resp: 782849
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.2



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





#62

4-Bromofluorobenzene

Concen: 42.769 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0421A

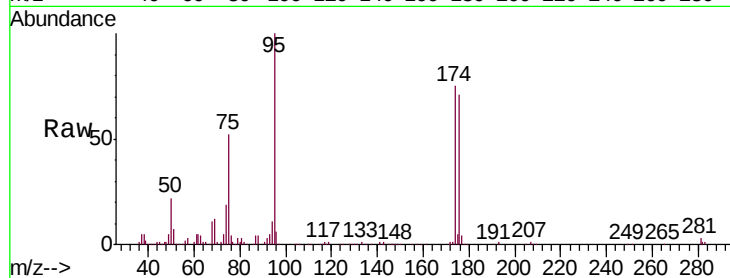
Tgt Ion: 95 Resp: 243821

Ion Ratio Lower Upper

95 100

174 75.7 0.0 147.6

176 73.1 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) (-)

200000

150000

100000

50000

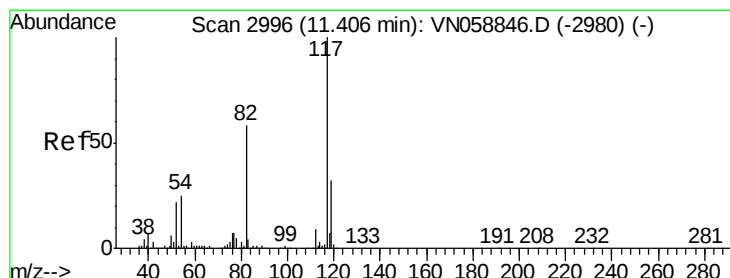
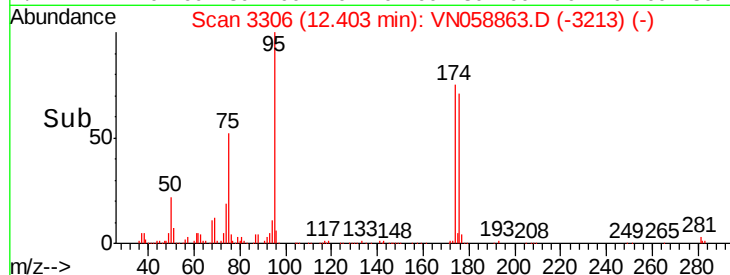
0

12.40

12.30

12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

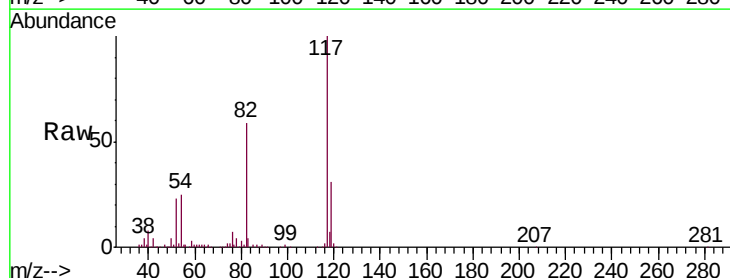
Tgt Ion: 117 Resp: 533583

Ion Ratio Lower Upper

117 100

82 58.8 46.6 69.8

119 31.4 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) (-)

400000

300000

200000

100000

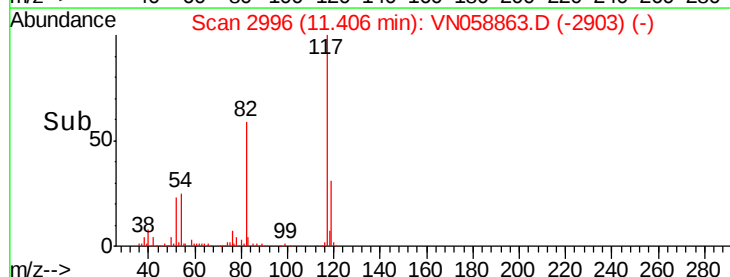
0

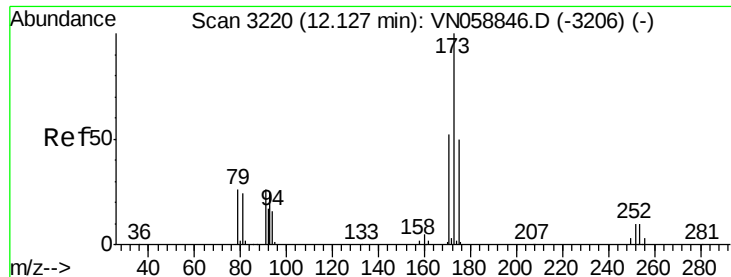
11.41

11.30

11.50

Time-->





#71

Bromoform

Concen: 0.468 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0421A

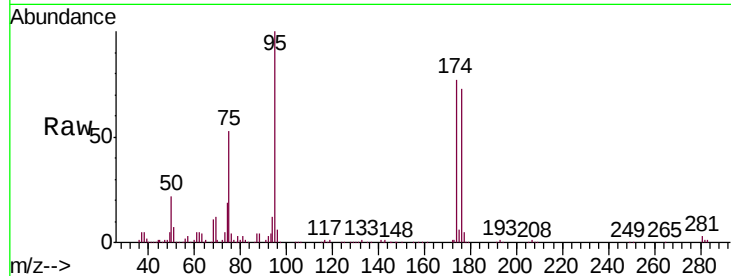
Tgt Ion:173 Resp: 1489

Ion Ratio Lower Upper

173 100

175 743.3 24.7 74.1#

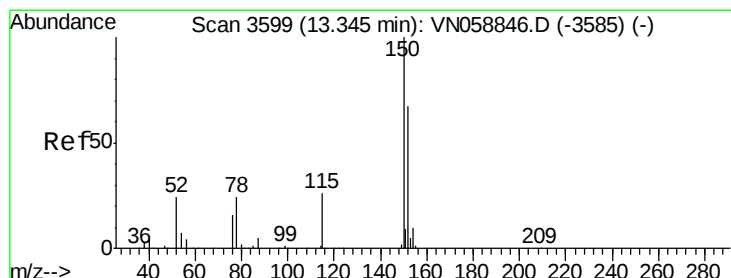
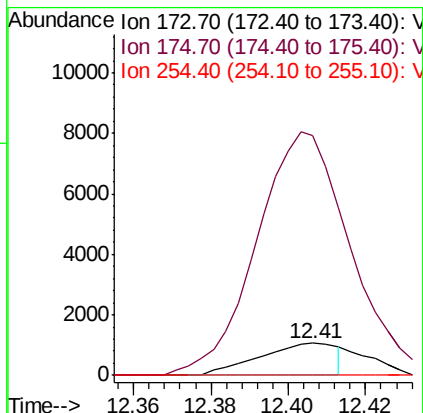
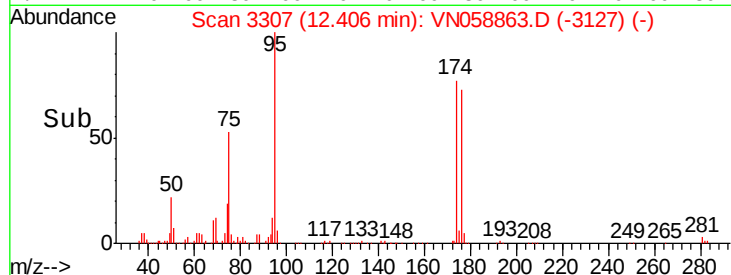
254 0.0 0.0 0.0



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# 3600

Delta R.T. 0.00 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

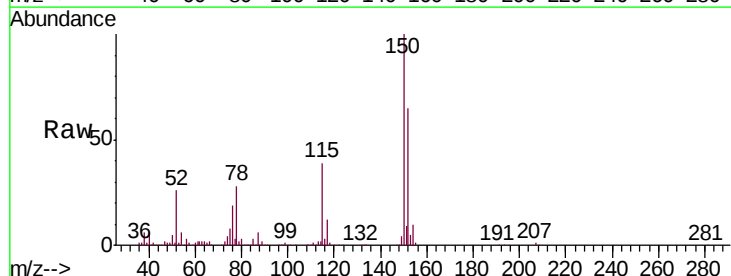
Tgt Ion:152 Resp: 189321

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

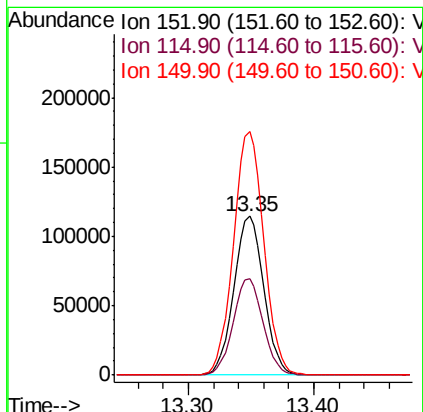
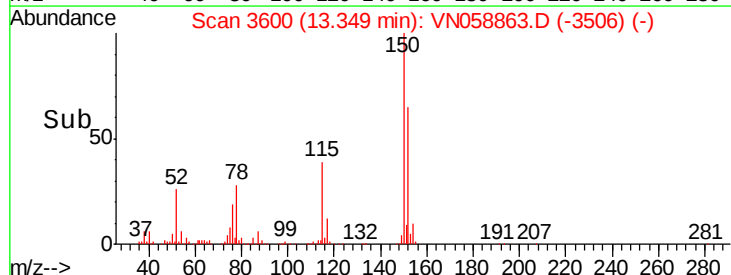
150 156.0 0.0 344.4

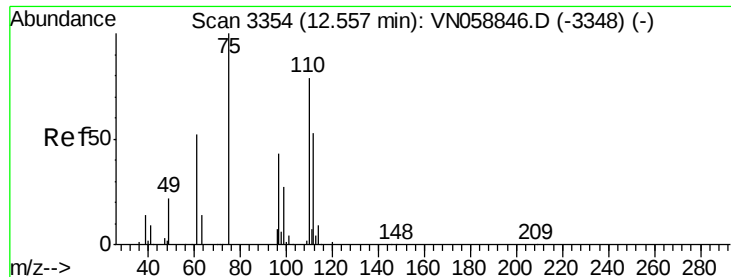


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.976 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

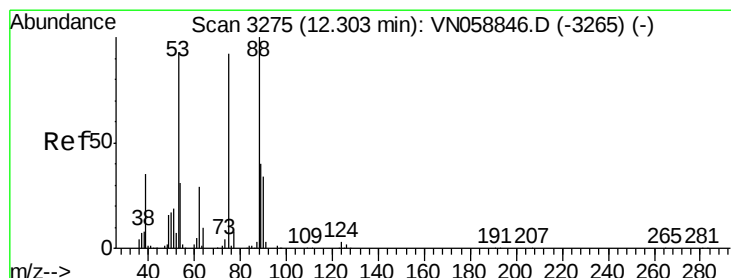
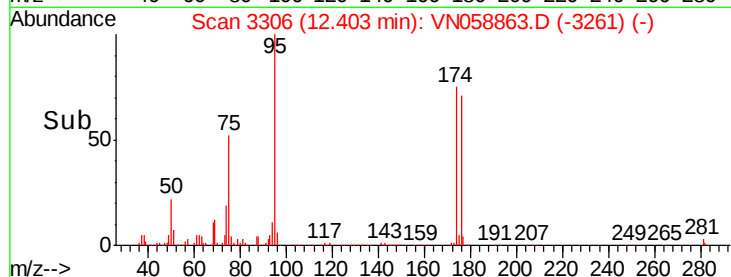
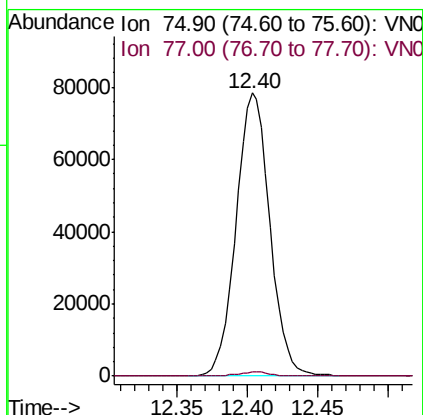
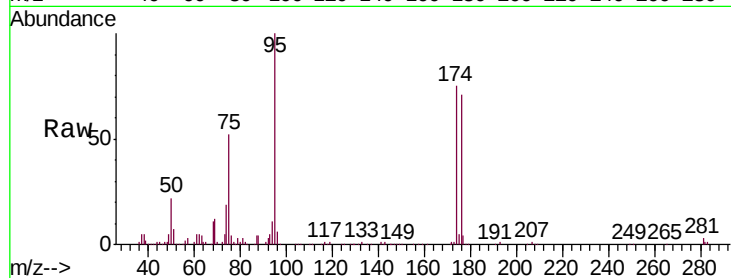
FA19-MMW0421A

Tgt Ion: 75 Resp: 131527

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.090 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

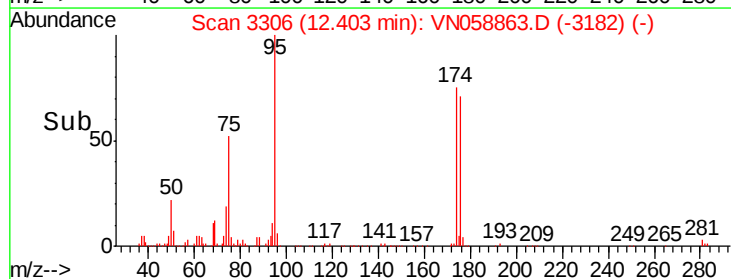
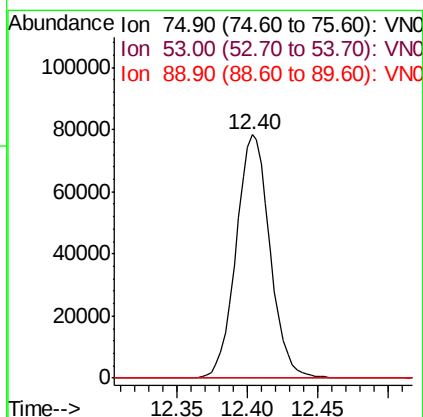
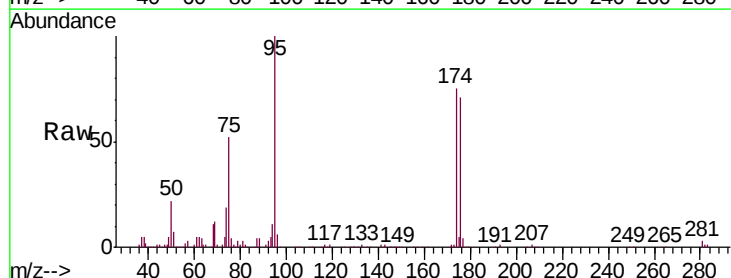
Tgt Ion: 75 Resp: 131527

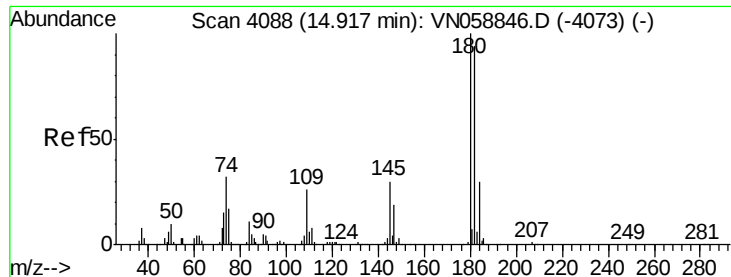
Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

89 0.0 35.4 53.0#





#93

1,2,4-Trichlorobenzene

Concen: 2.537 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

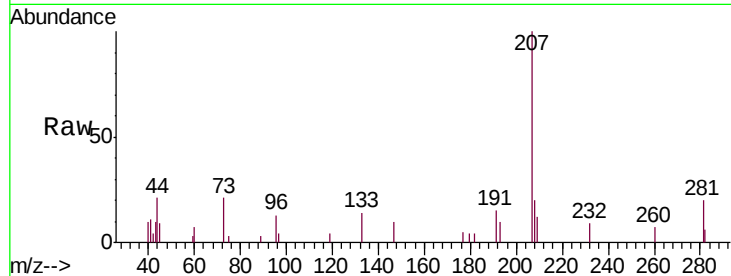
Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0421A

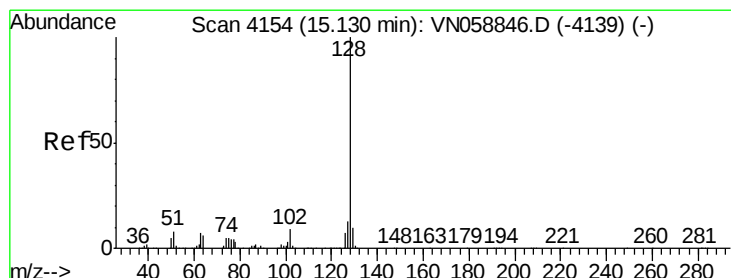
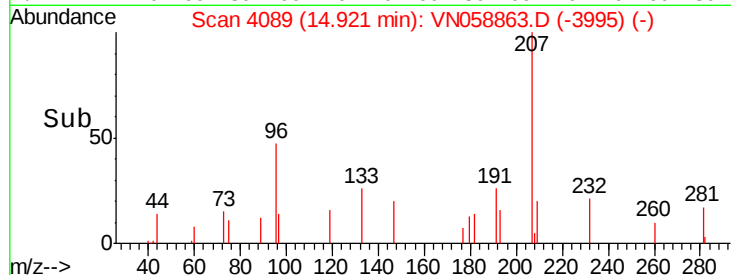
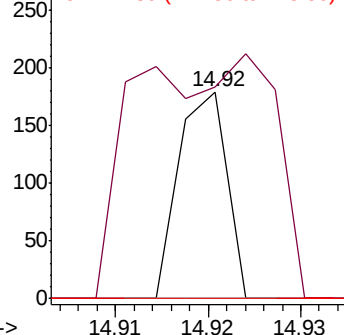
Tgt Ion:	180	Resp:	65
Ion	Ratio	Lower	Upper
180	100		
182	166.2	47.3	142.0#
145	0.0	15.3	45.8#



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



#95

Naphthalene

Concen: 2.292 ug/l

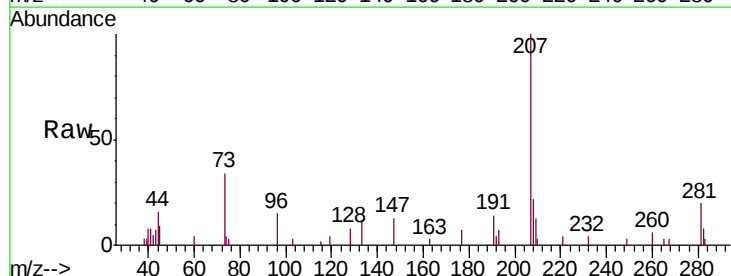
RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058863.D

Acq: 18 Oct 2019 17:11

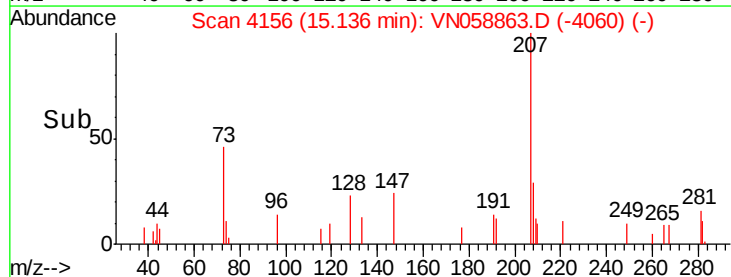
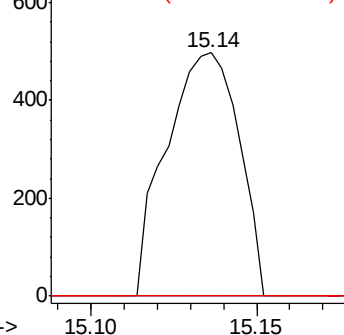
Tgt Ion:	128	Resp:	759
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.4	12.6#

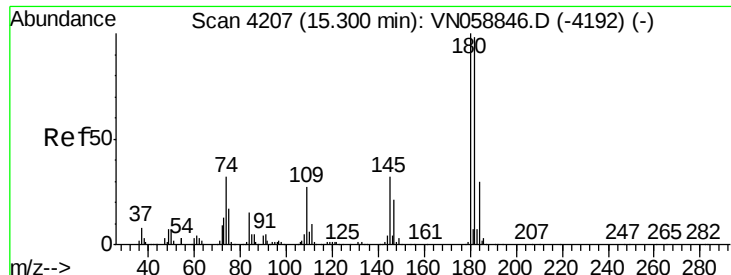


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.422 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058863.D
 Acq: 18 Oct 2019 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0421A

Tgt Ion	Ratio	Lower	Upper
180	100		
182	29.2	47.9	143.7#
145	0.0	15.9	47.7#

