

Data File : VN058862.D
Acq On : 18 Oct 2019 16:49
Operator : JC/SP
Sample : K5452-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FA19-GMZ4-TB1

Quant Time: Oct 21 08:00:07 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	399330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	641895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	310035	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	7.57	113	218530	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.09	98	819490	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.40	95	265155	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	

Target Compounds

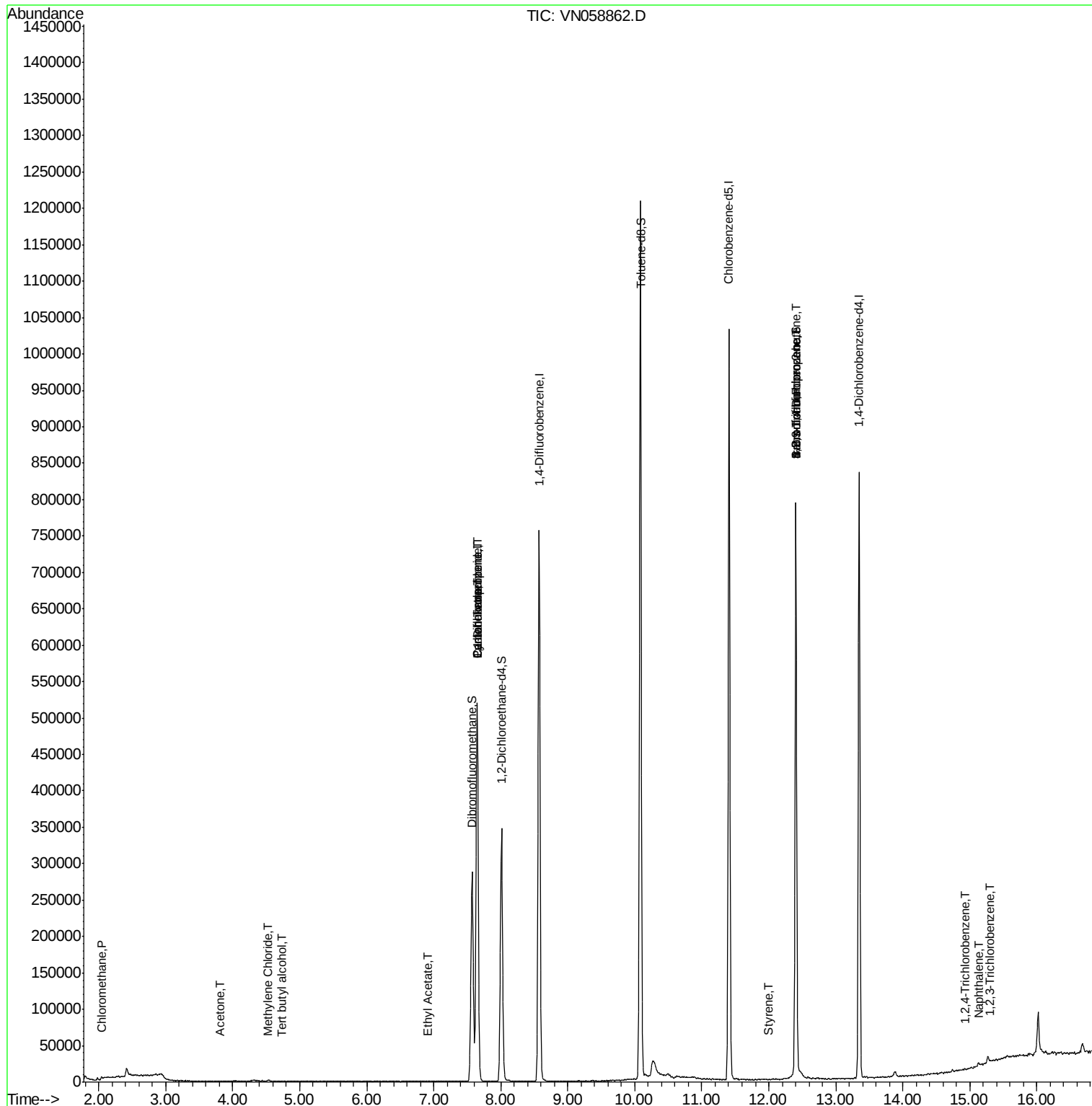
						Qvalue
3) Chloromethane	2.04	50	1992	0.323	ug/l	95
11) Tert butyl alcohol	4.74	59	336	0.346	ug/l #	72
16) Acetone	3.81	43	1080	0.373	ug/l #	46
20) Methylene Chloride	4.53	84	1111	0.225	ug/l #	77
31) Cyclohexane	7.64	56	9608	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	33690	5.127	ug/l #	51
37) Ethyl Acetate	6.91	43	2293	0.320	ug/l #	70
38) Carbon Tetrachloride	7.65	117	40956	6.050	ug/l #	16
70) Styrene	11.98	104	65	1.718	ug/l #	24
71) Bromoform	12.40	173	1502	0.442	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	143456	29.570	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	143456	77.033	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	354	2.601	ug/l #	54
95) Naphthalene	15.14	128	1498	2.345	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.30	180	643	2.545	ug/l	68

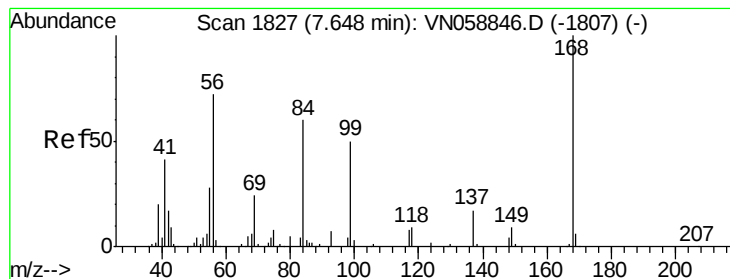
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058862.D

Acq: 18 Oct 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

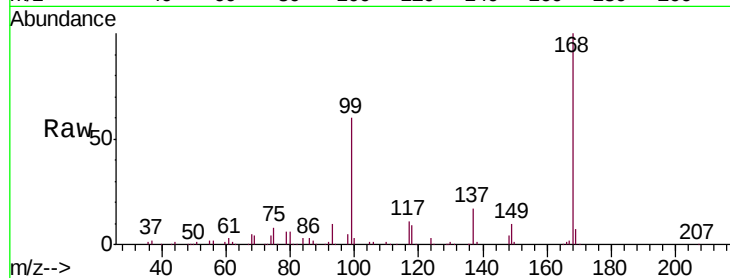
FA19-GMZ4-TB1

Tgt Ion:168 Resp: 399330

Ion Ratio Lower Upper

168 100

99 60.3 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

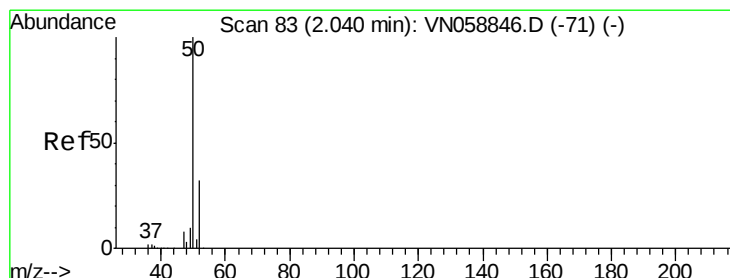
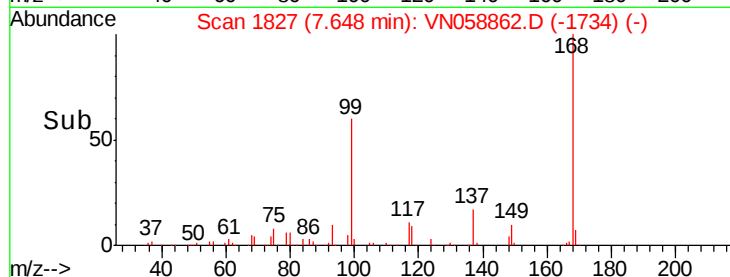
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.323 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058862.D

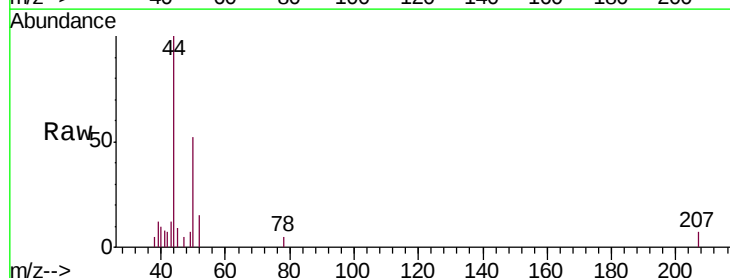
Acq: 18 Oct 2019 16:49

Tgt Ion: 50 Resp: 1992

Ion Ratio Lower Upper

50 100

52 29.3 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

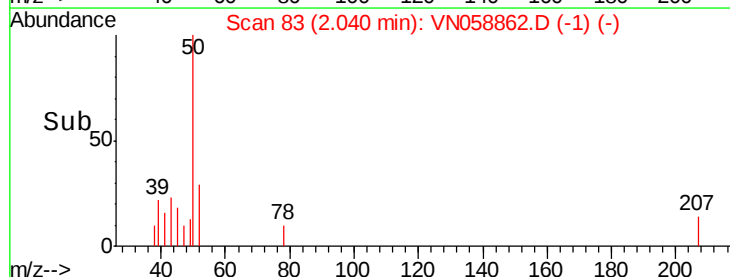
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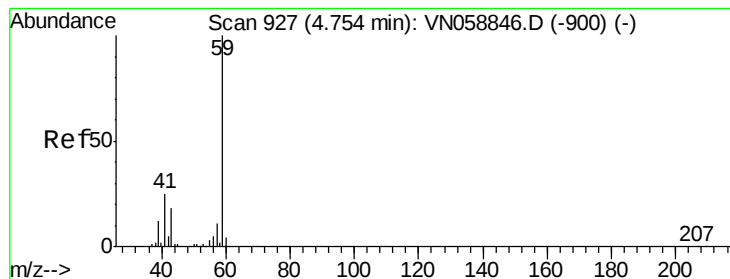
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 0.346 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.01 min

Lab File: VN058862.D

Acq: 18 Oct 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

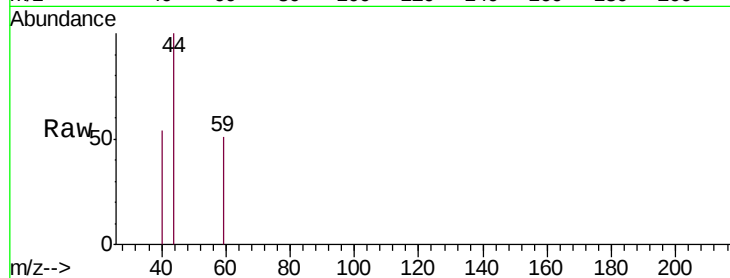
FA19-GMZ4-TB1

Tgt Ion: 59 Resp: 336

Ion Ratio Lower Upper

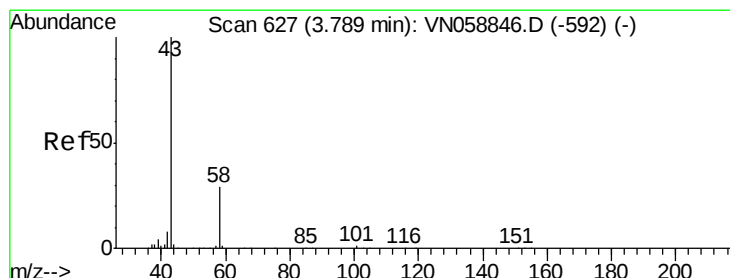
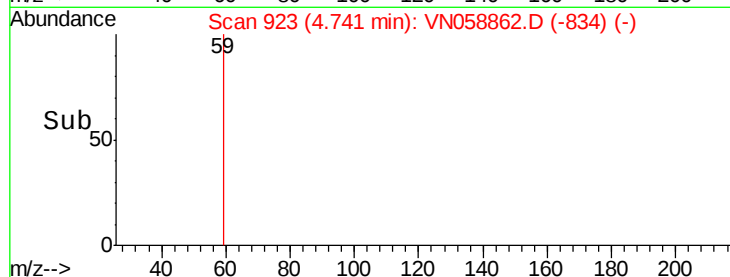
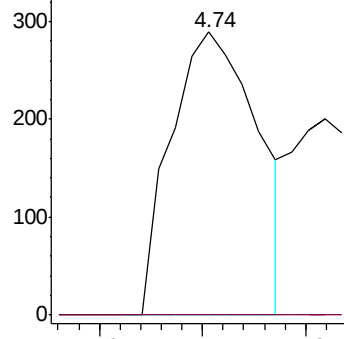
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 0.373 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN058862.D

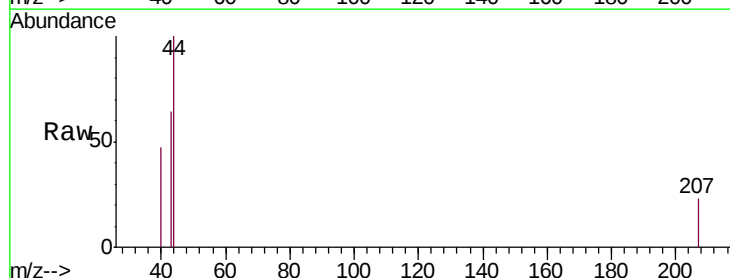
Acq: 18 Oct 2019 16:49

Tgt Ion: 43 Resp: 1080

Ion Ratio Lower Upper

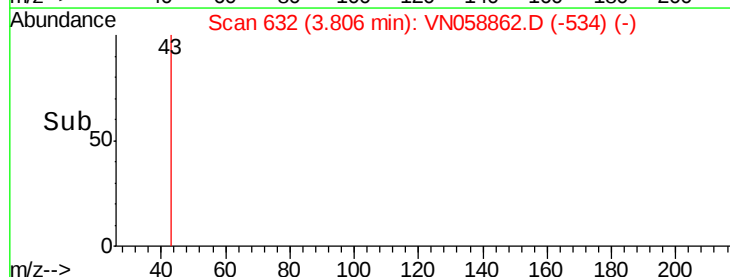
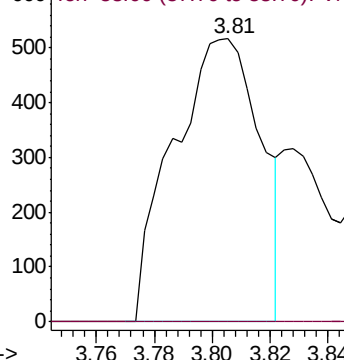
43 100

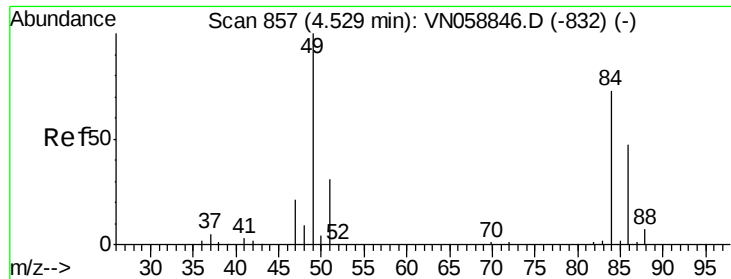
58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

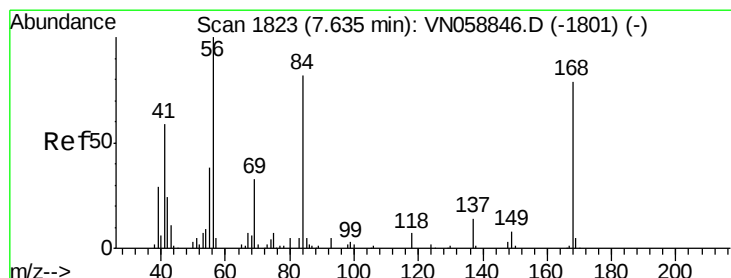
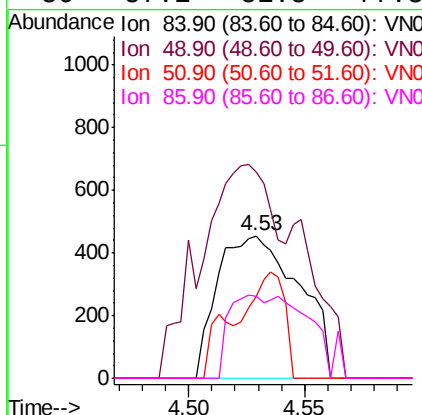
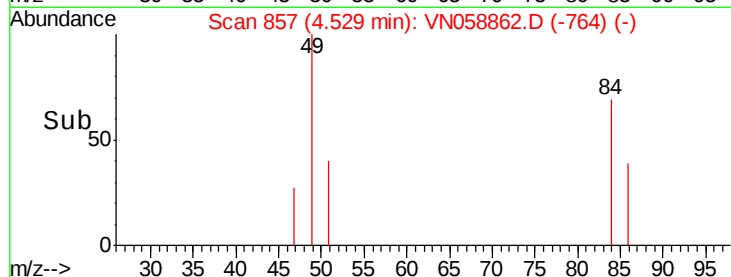
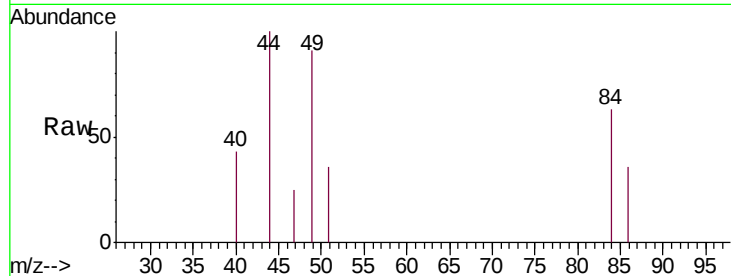




#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058862.D
Acq: 18 Oct 2019 16:49

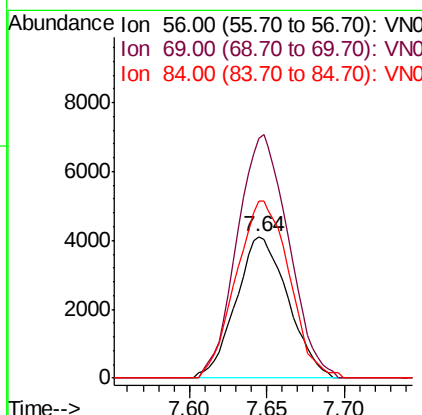
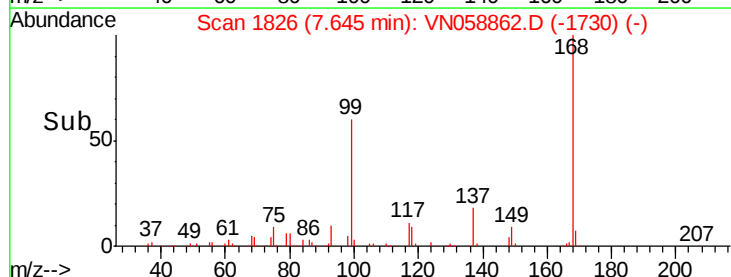
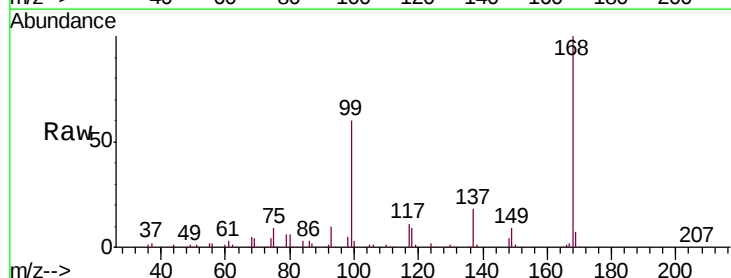
Instrument :
MSVOA_N
ClientSampled :
FA19-GMZ4-TB1

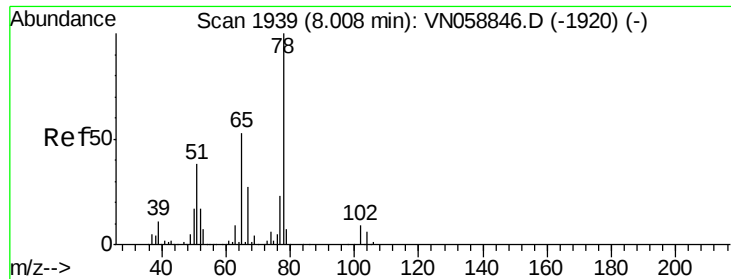
Tgt Ion: 84 Resp: 1111
Ion Ratio Lower Upper
84 100
49 101.5 109.6 164.4#
51 57.8 33.8 50.6#
86 57.1 51.5 77.3



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058862.D
Acq: 18 Oct 2019 16:49

Tgt Ion: 56 Resp: 9608
Ion Ratio Lower Upper
56 100
69 169.1 26.2 39.4#
84 125.2 65.6 98.4#

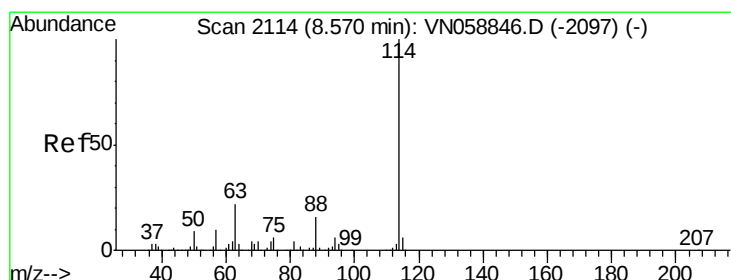
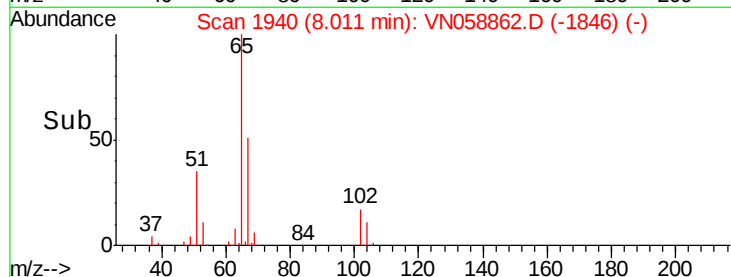
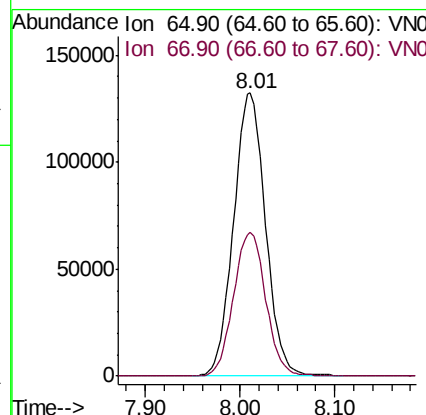
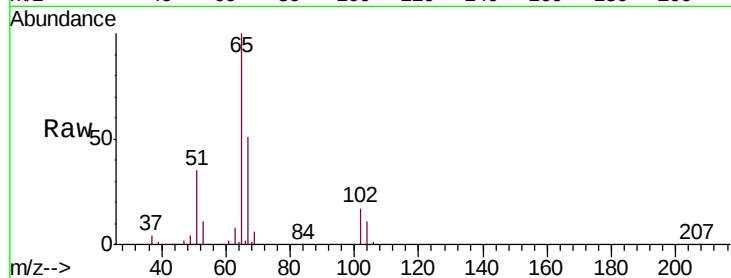




#33
 1,2-Dichloroethane-d4
 Concen: 52.936 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058862.D
 Acq: 18 Oct 2019 16:49

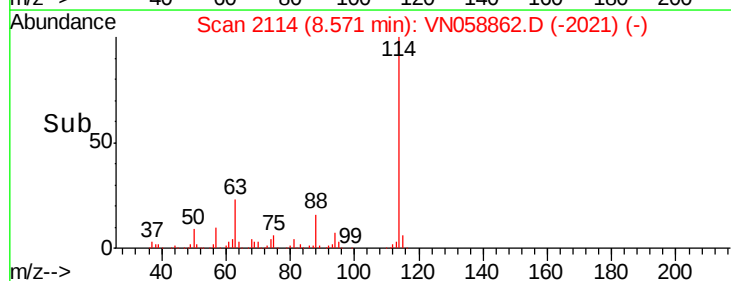
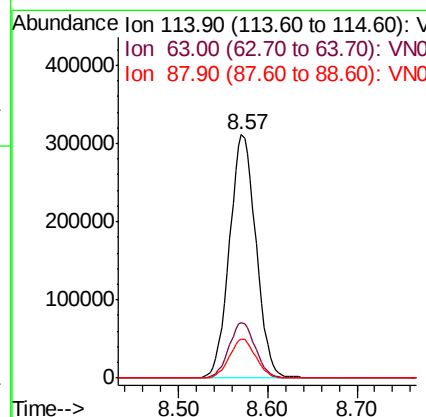
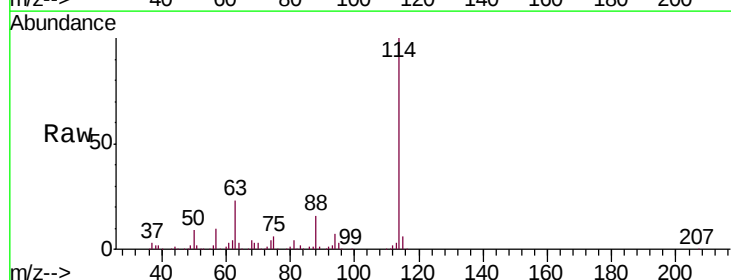
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-GMZ4-TB1

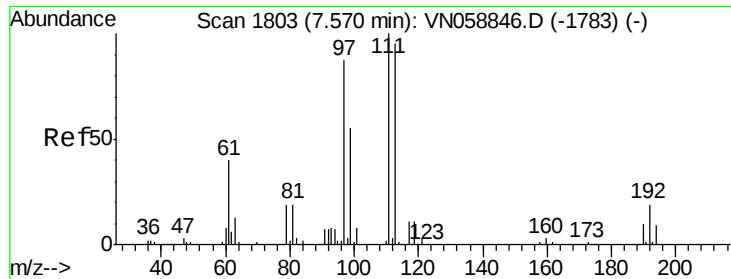
Tgt Ion: 65 Resp: 310035
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058862.D
 Acq: 18 Oct 2019 16:49

Tgt Ion: 114 Resp: 641895
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.4
 88 15.9 0.0 31.4

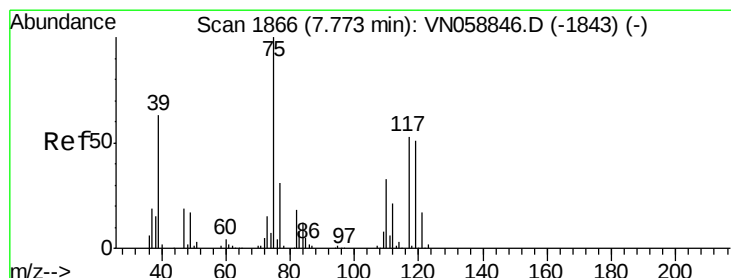
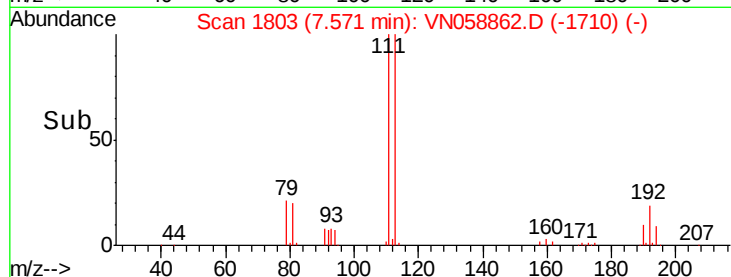
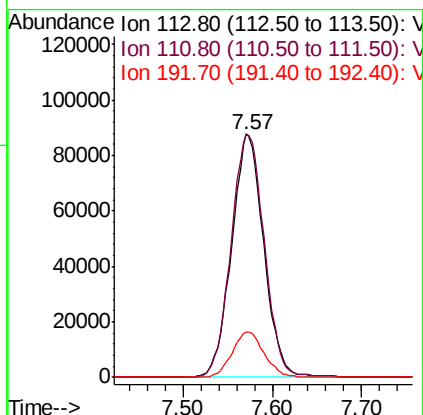
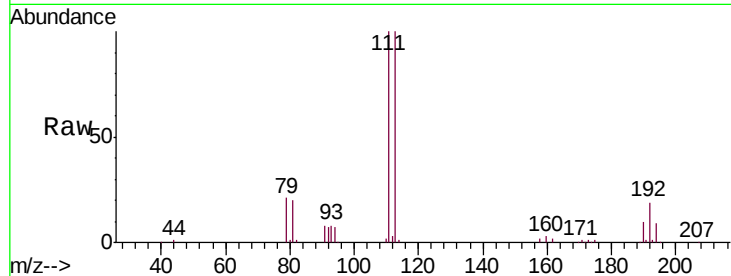




#35
 Dibromofluoromethane
 Concen: 51.781 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058862.D
 Acq: 18 Oct 2019 16:49

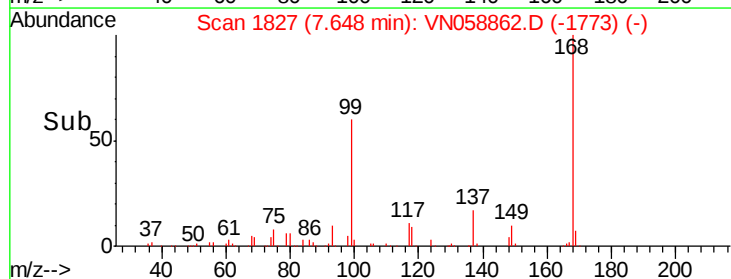
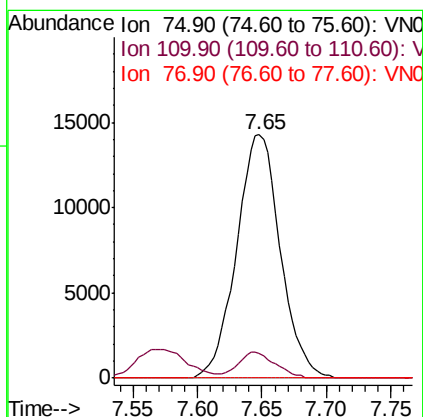
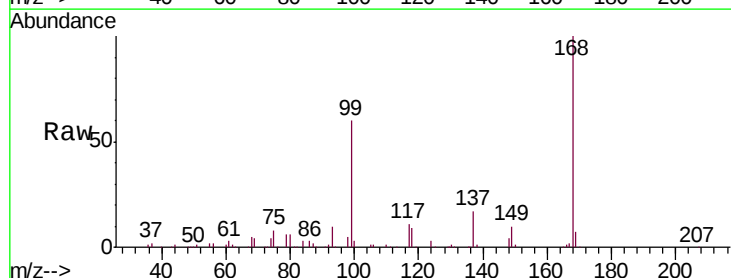
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-GMZ4-TB1

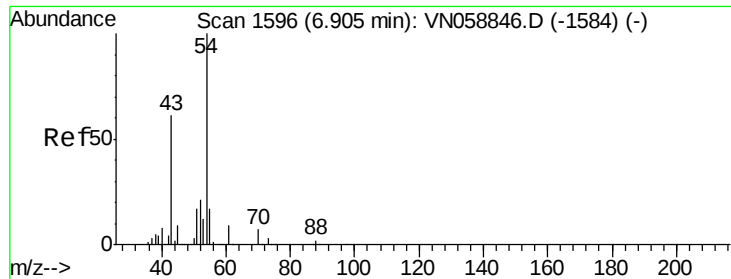
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	18.5	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058862.D
 Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.3	48.9#
77	0.0	24.6	36.8#

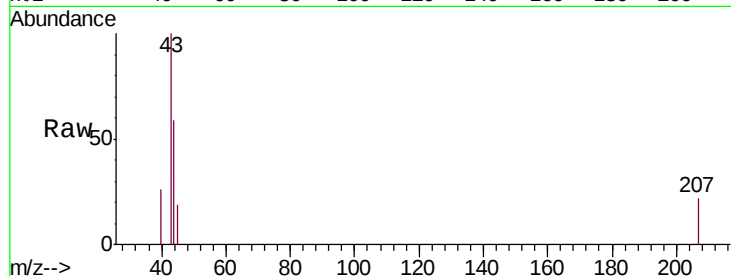




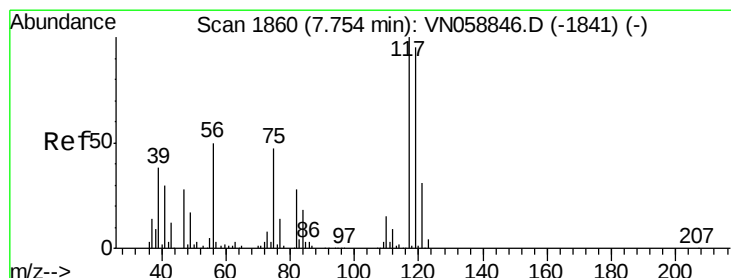
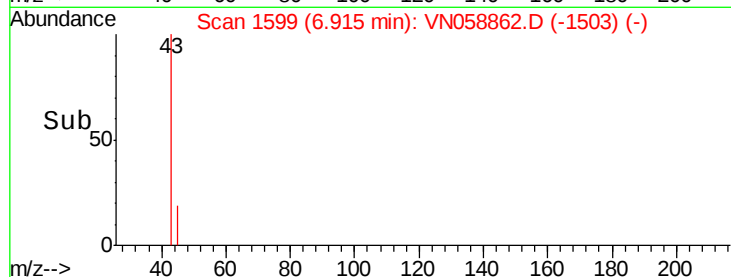
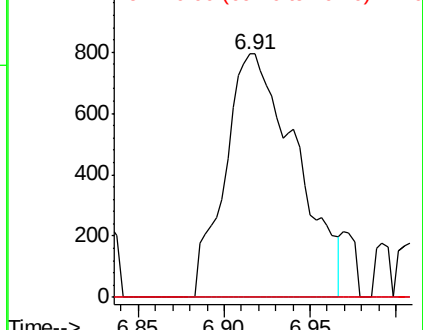
#37
Ethyl Acetate
Concen: 0.320 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN058862.D
Acq: 18 Oct 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
FA19-GMZ4-TB1

Tgt Ion: 43 Resp: 2293
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.6 11.4#

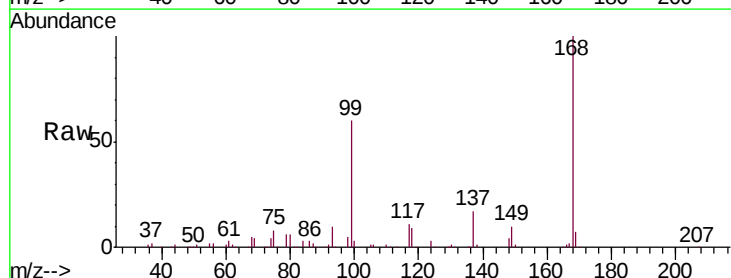


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

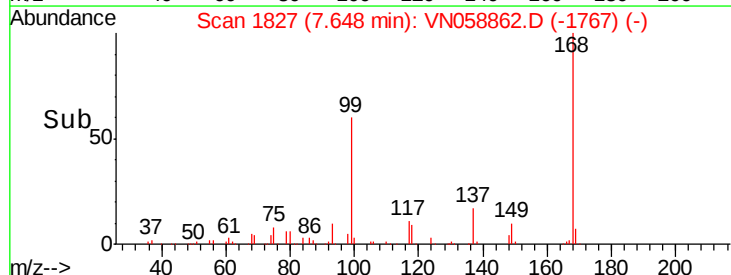
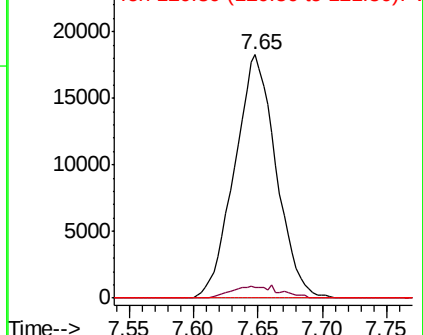


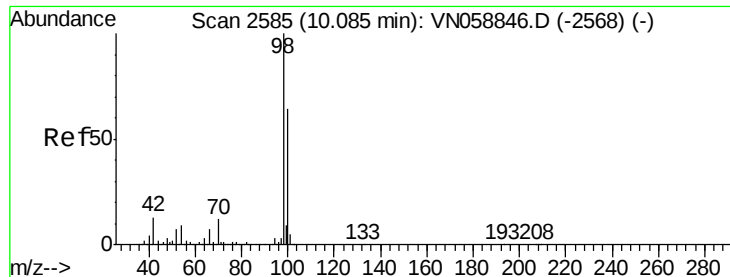
#38
Carbon Tetrachloride
Concen: 6.050 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058862.D
Acq: 18 Oct 2019 16:49

Tgt Ion: 117 Resp: 40956
Ion Ratio Lower Upper
117 100
119 4.5 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: 50.022 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058862.D

Acq: 18 Oct 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

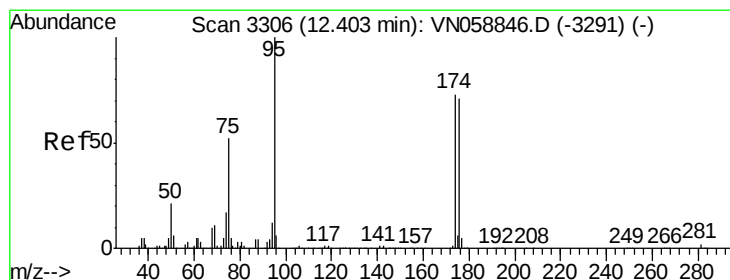
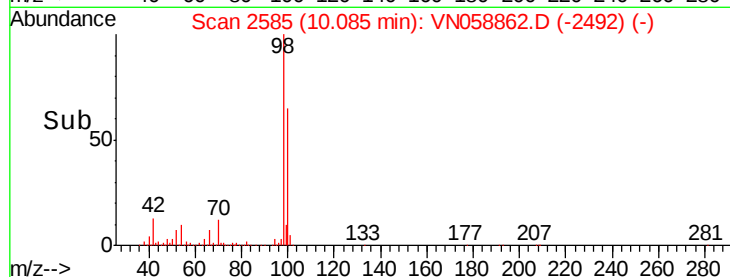
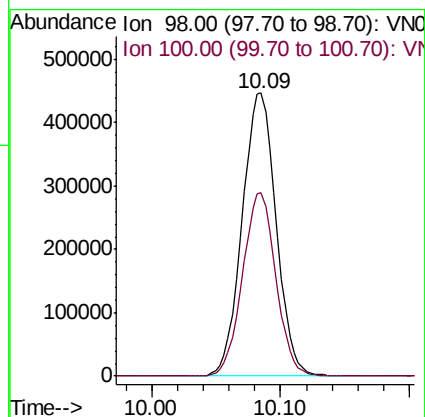
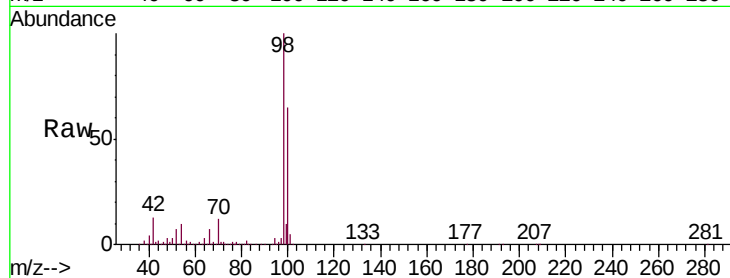
FA19-GMZ4-TB1

Tgt Ion: 98 Resp: 819490

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 44.074 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058862.D

Acq: 18 Oct 2019 16:49

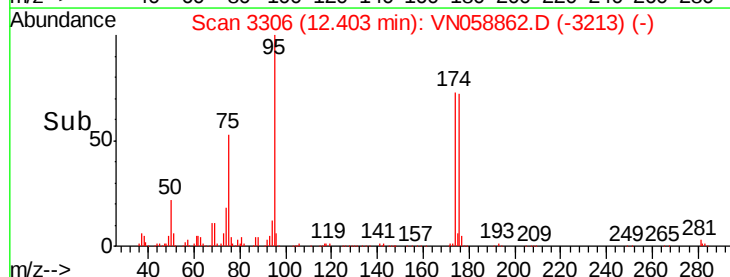
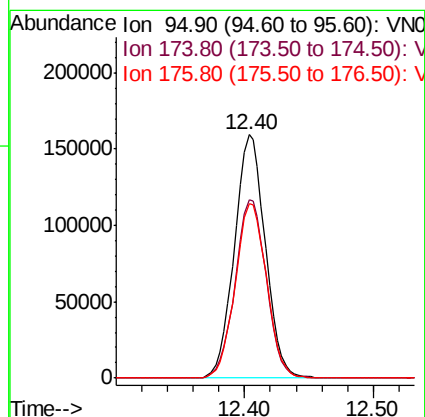
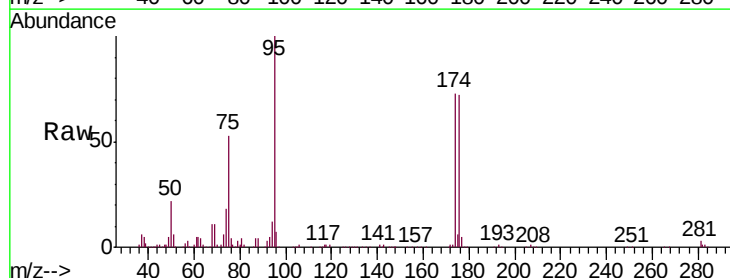
Tgt Ion: 95 Resp: 265155

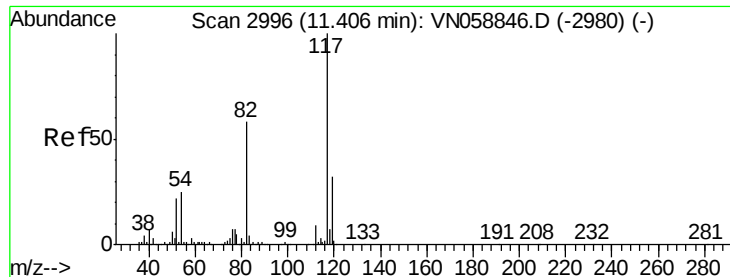
Ion Ratio Lower Upper

95 100

174 74.2 0.0 147.6

176 73.0 0.0 143.2

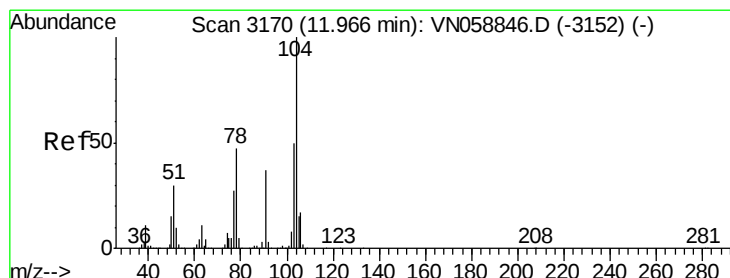
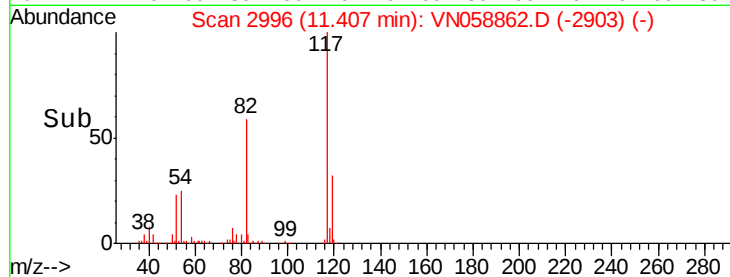
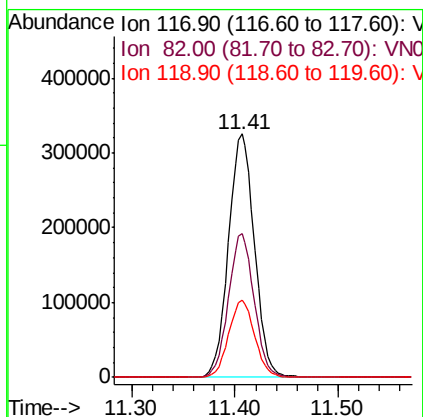
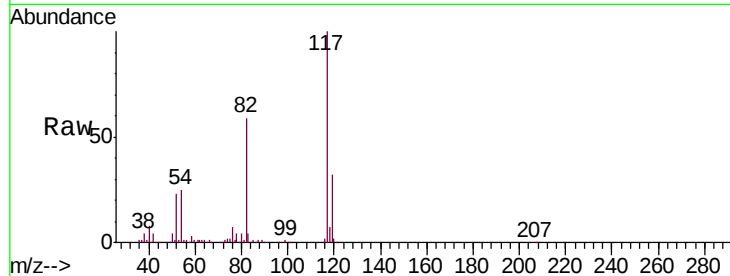




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058862.D
Acq: 18 Oct 2019 16:49

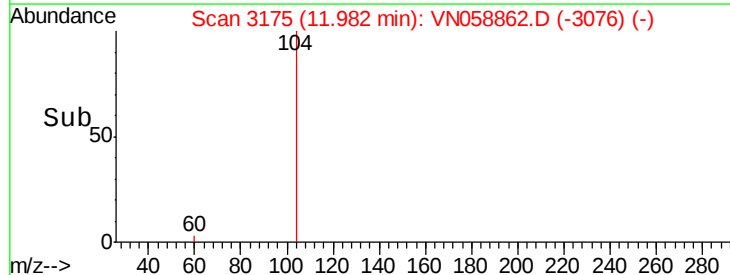
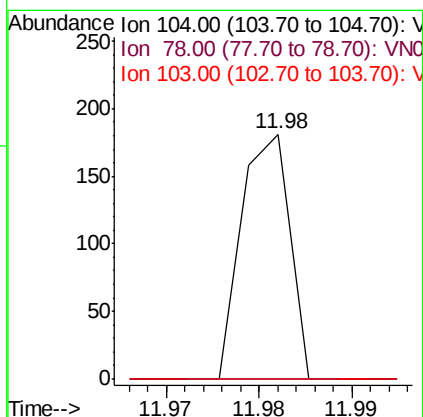
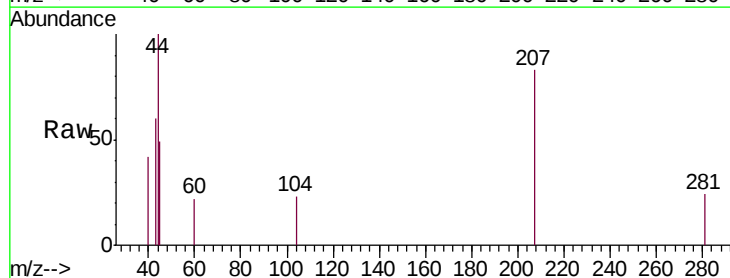
Instrument :
MSVOA_N
ClientSampled :
FA19-GMZ4-TB1

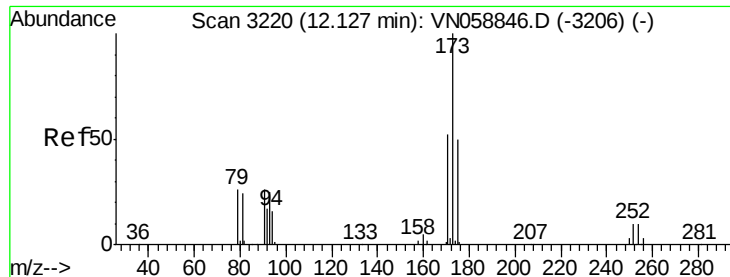
Tgt Ion:117 Resp: 570598
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 31.7 25.6 38.4



#70
Styrene
Concen: 1.718 ug/l
RT: 11.98 min Scan# 3175
Delta R.T. 0.02 min
Lab File: VN058862.D
Acq: 18 Oct 2019 16:49

Tgt Ion:104 Resp: 65
Ion Ratio Lower Upper
104 100
78 0.0 42.8 64.2#
103 0.0 44.3 66.5#





#71

Bromoform

Concen: 0.442 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058862.D

Acq: 18 Oct 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

FA19-GMZ4-TB1

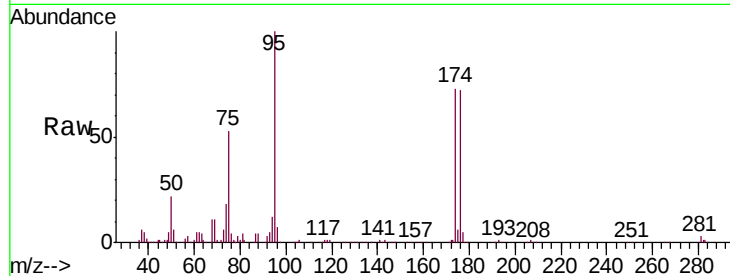
Tgt Ion:173 Resp: 1502

Ion Ratio Lower Upper

173 100

175 784.6 24.7 74.1#

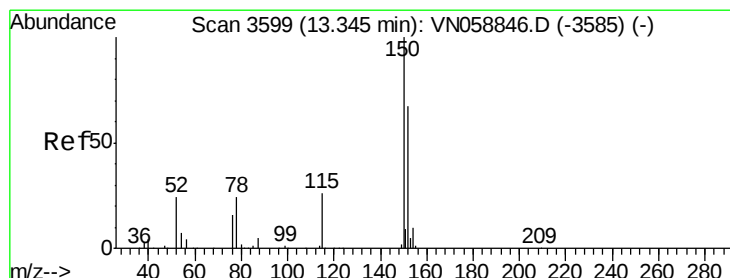
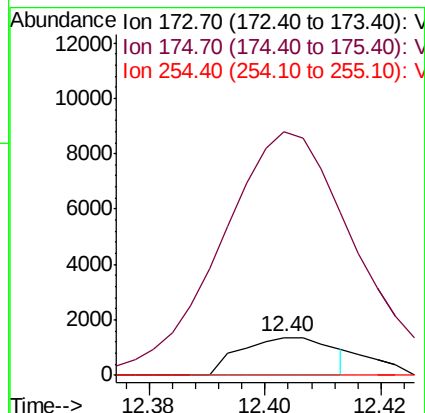
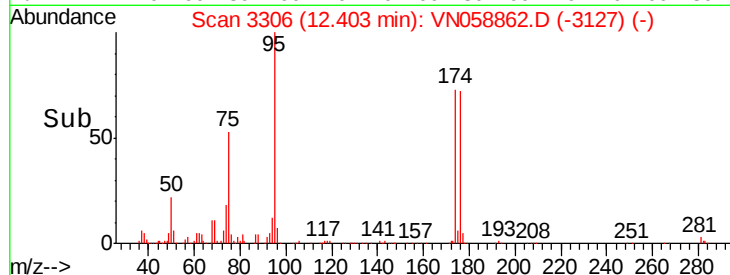
254 0.0 0.0 0.0



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: VN058862.D

Acq: 18 Oct 2019 16:49

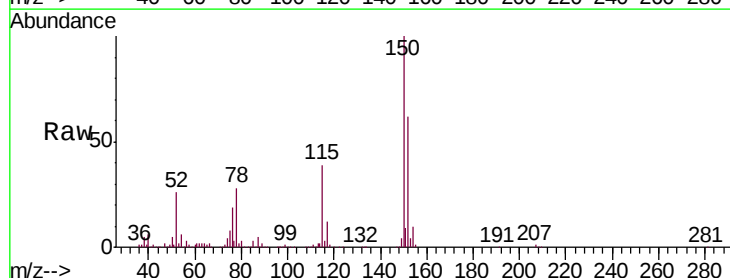
Tgt Ion:152 Resp: 209325

Ion Ratio Lower Upper

152 100

115 61.9 30.5 91.5

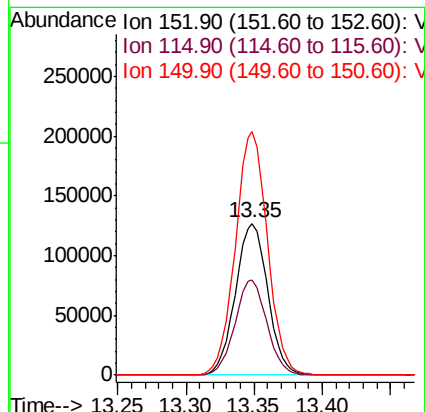
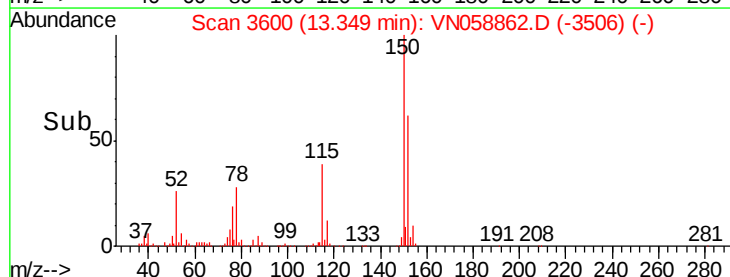
150 159.2 0.0 344.4

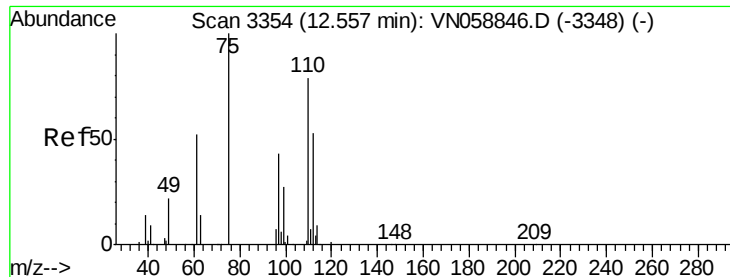


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.570 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058862.D

Acq: 18 Oct 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

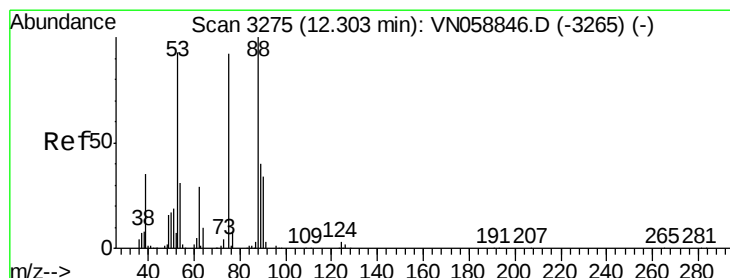
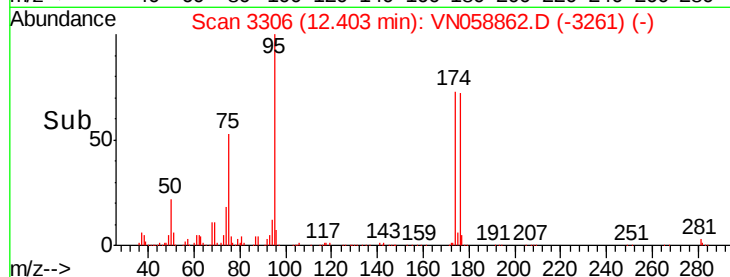
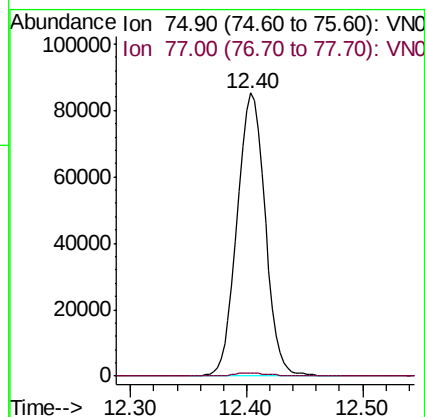
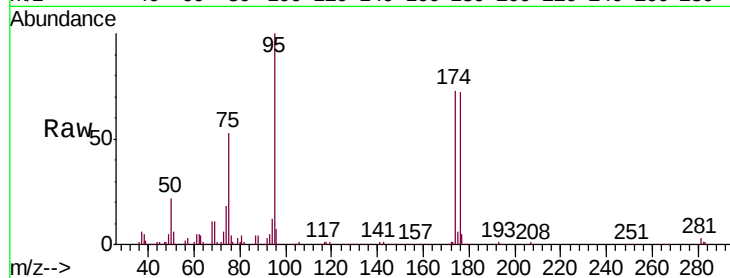
FA19-GMZ4-TB1

Tgt Ion: 75 Resp: 143456

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.033 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058862.D

Acq: 18 Oct 2019 16:49

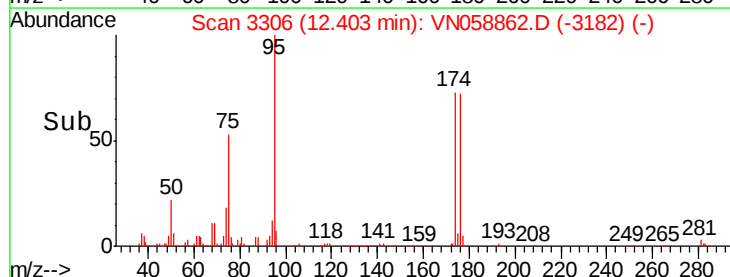
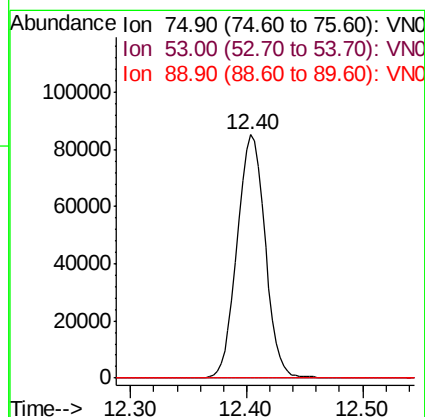
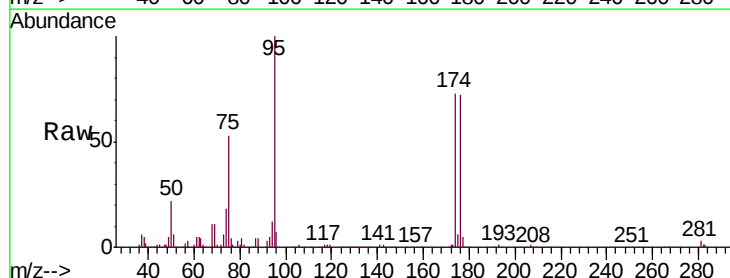
Tgt Ion: 75 Resp: 143456

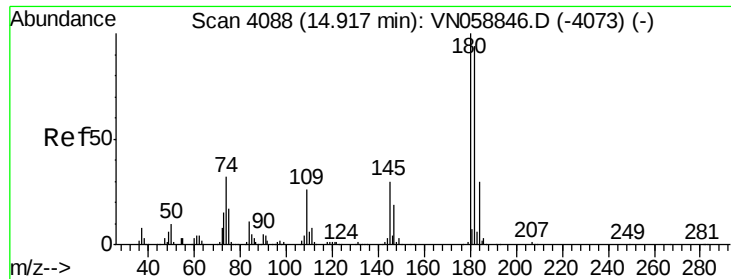
Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

89 0.0 35.4 53.0#





#93

1,2,4-Trichlorobenzene

Concen: 2.601 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058862.D

Acq: 18 Oct 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

FA19-GMZ4-TB1

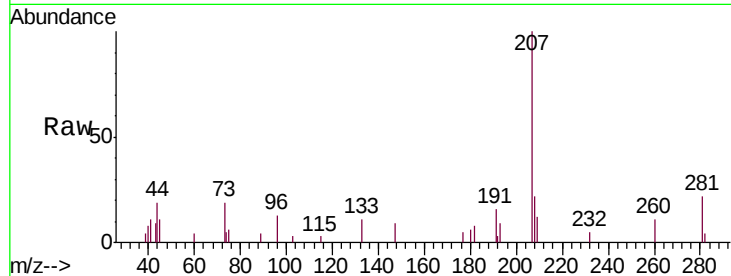
Tgt Ion:180 Resp: 354

Ion Ratio Lower Upper

180 100

182 136.7 47.3 142.0

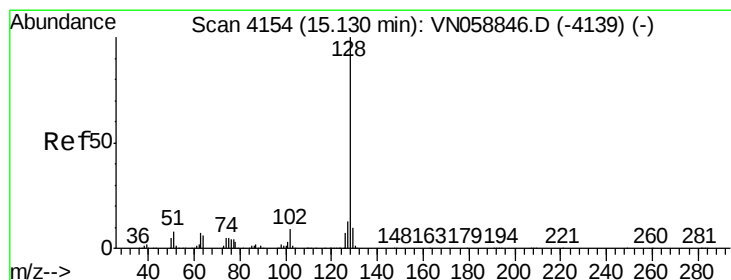
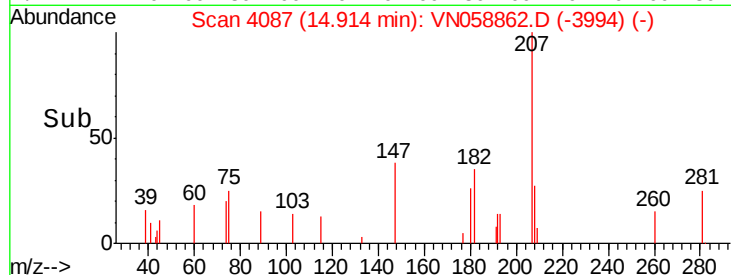
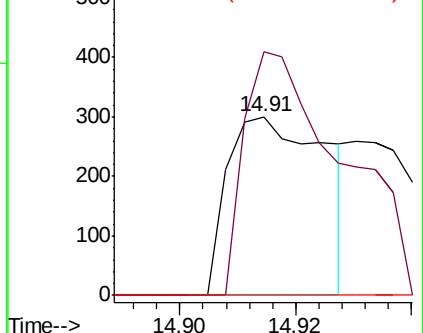
145 0.0 15.3 45.8#



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: 2.345 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058862.D

Acq: 18 Oct 2019 16:49

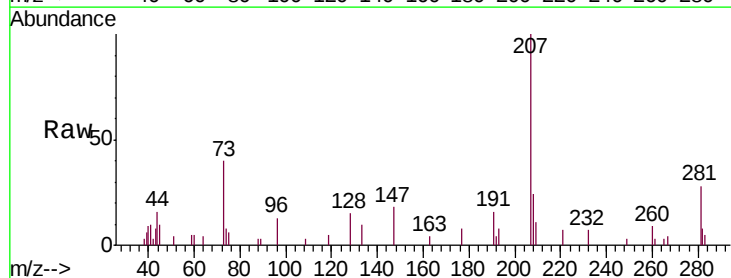
Tgt Ion:128 Resp: 1498

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

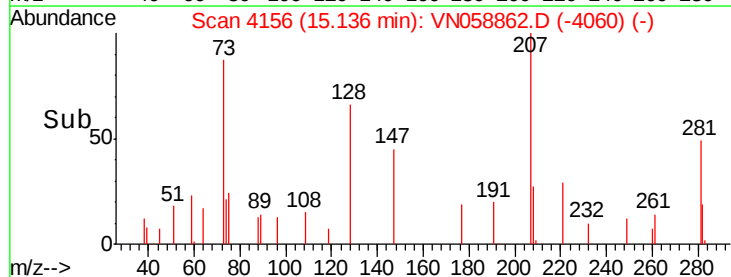
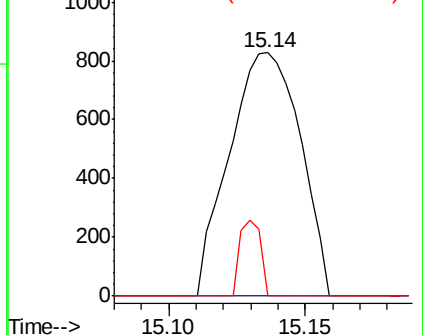
129 9.1 8.4 12.6

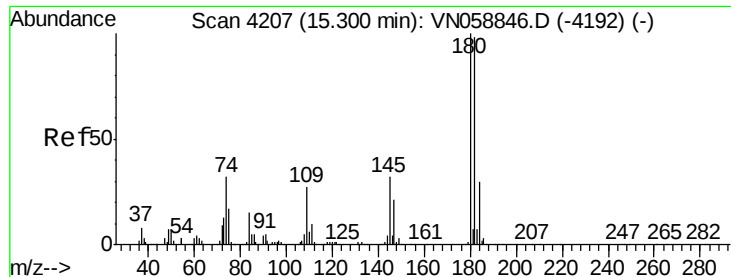


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.545 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058862.D
 Acq: 18 Oct 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-GMZ4-TB1

Tgt Ion	Ratio	Lower	Upper
180	100		
182	62.5	47.9	143.7
145	16.8	15.9	47.7

