

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052834.D
 Acq On : 12 Dec 2018 18:27
 Operator : MD\SY
 Sample : J6319-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 069_FB-120718

Quant Time: Dec 13 04:12:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1164740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1808373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1574613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	621826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	601791	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.59	113	509855	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	2188615	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	695888	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

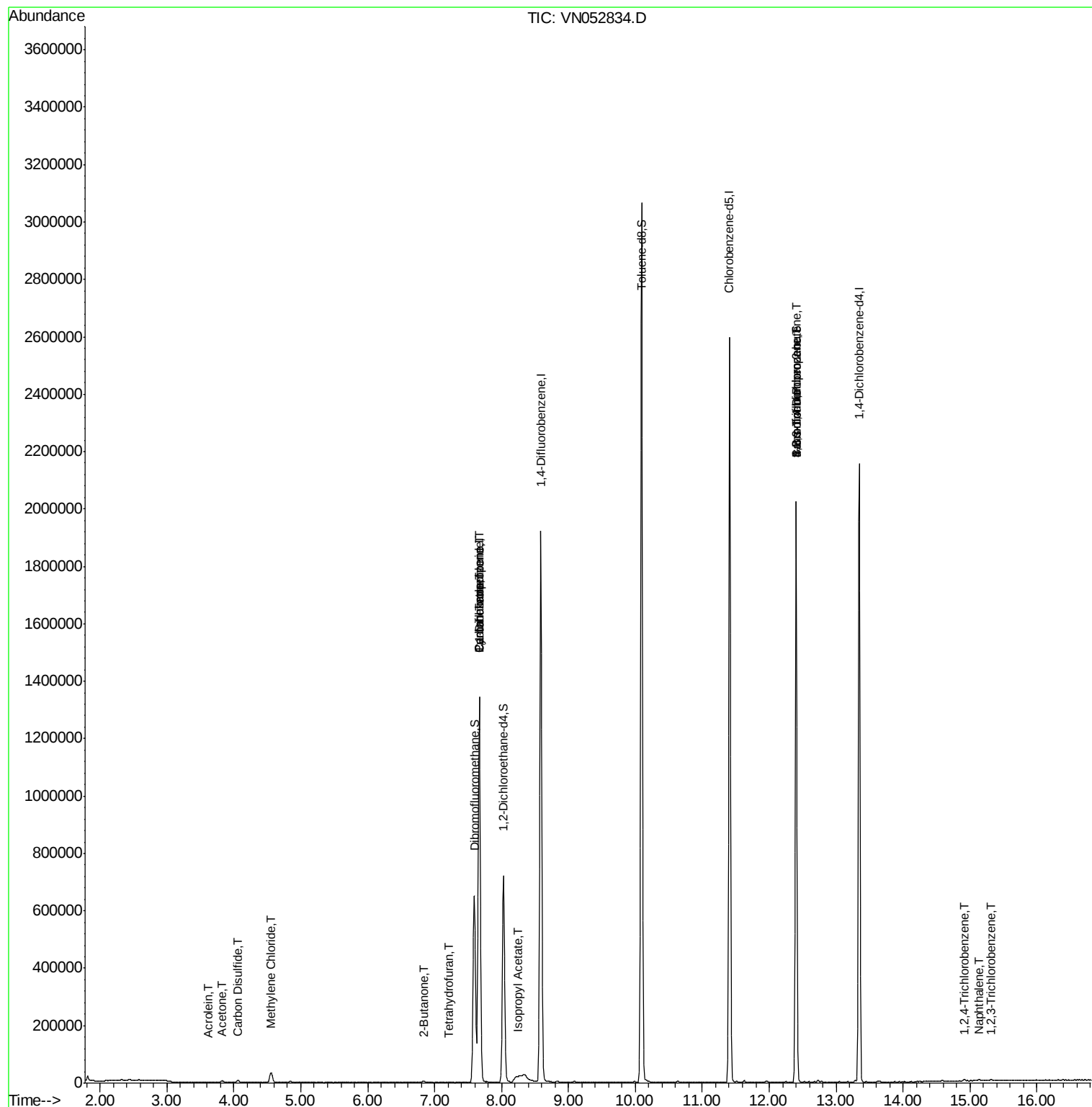
					Qvalue	
13) Acrolein	3.62	56	774	1.188	ug/l	95
16) Acetone	3.82	43	10408	3.742	ug/l	93
17) Carbon Disulfide	4.06	76	9789	0.298	ug/l #	93
20) Methylene Chloride	4.55	84	25908	2.070	ug/l	97
25) 2-Butanone	6.85	43	2251	0.522	ug/l	98
29) Tetrahydrofuran	7.22	42	805	0.273	ug/l #	48
31) Cyclohexane	7.67	56	20735	0.413	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	78315	4.703	ug/l #	48
38) Carbon Tetrachloride	7.67	117	101460	6.619	ug/l #	16
43) Isopropyl Acetate	8.24	43	29189	1.423	ug/l #	53
71) Bromoform	12.40	173	4135	0.536	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	328836	35.843	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	328836	115.145	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	2306	0.210	ug/l	92
95) Naphthalene	15.14	128	5355	0.236	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	2096	0.208	ug/l	88

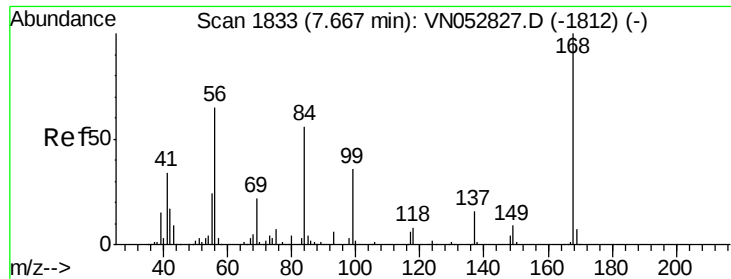
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

Instrument :

MSVOA_N

ClientSampleId :

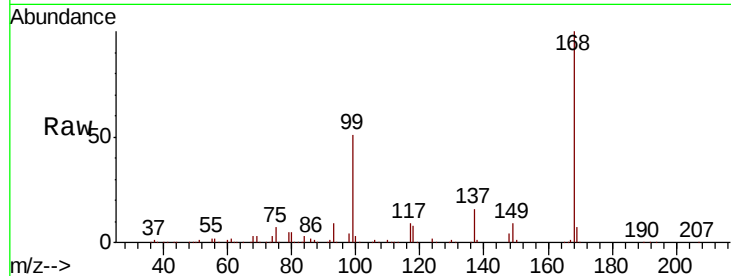
069_FB-120718

Tot Ion:168 Resp: 1164740

Ion Ratio Lower Upper

168 100

99 51.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

500000

400000

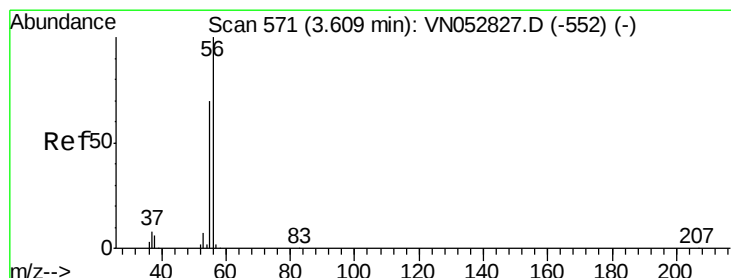
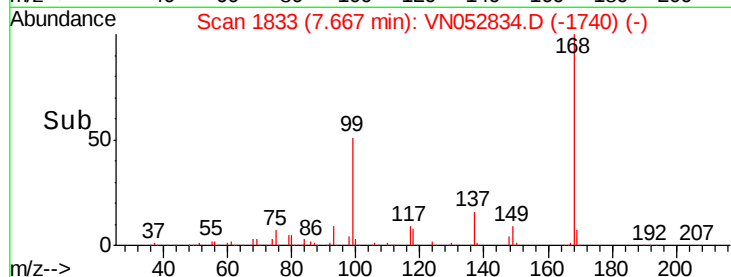
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 1.188 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052834.D

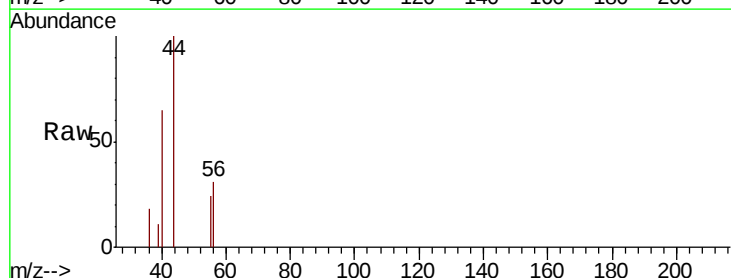
Acq: 12 Dec 2018 18:27

Tgt Ion: 56 Resp: 774

Ion Ratio Lower Upper

56 100

55 74.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052827.D (-552) (-)

3.62

500

400

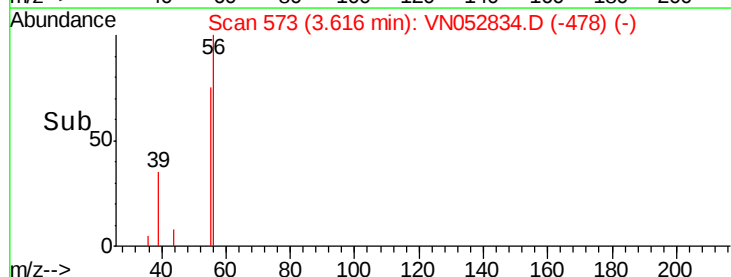
300

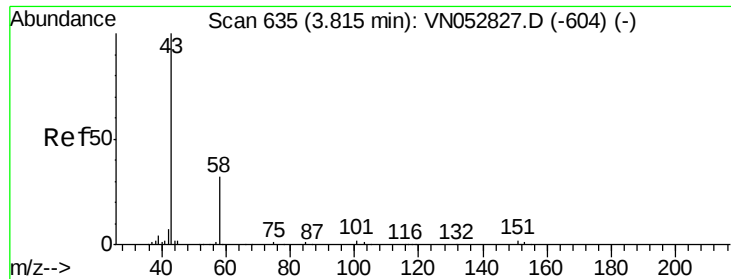
200

100

0

Time-->





#16

Acetone

Concen: 3.742 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

Instrument :

MSVOA_N

ClientSampleId :

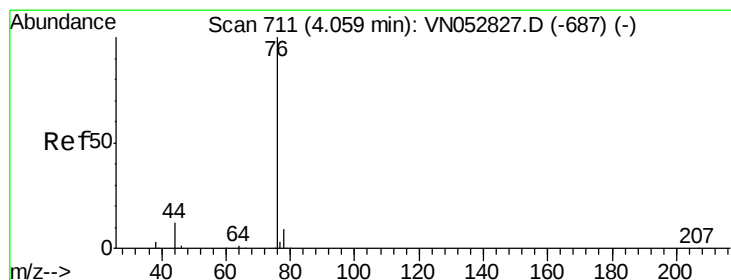
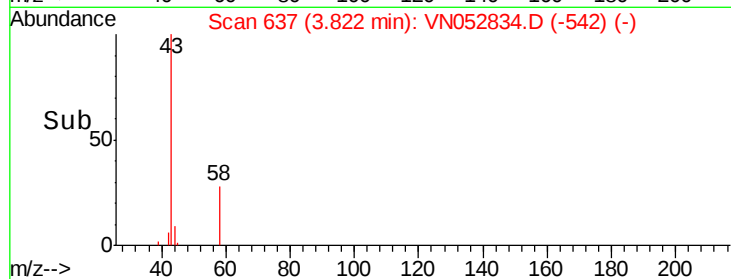
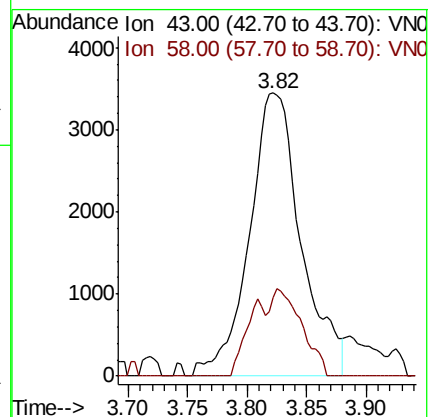
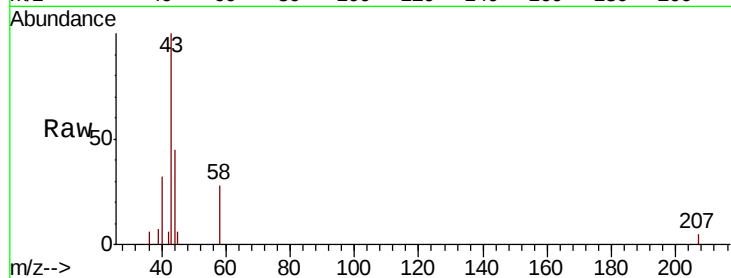
069_FB-120718

Tot Ion: 43 Resp: 10408

Ion Ratio Lower Upper

43 100

58 27.6 25.4 38.0



#17

Carbon Disulfide

Concen: 0.298 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052834.D

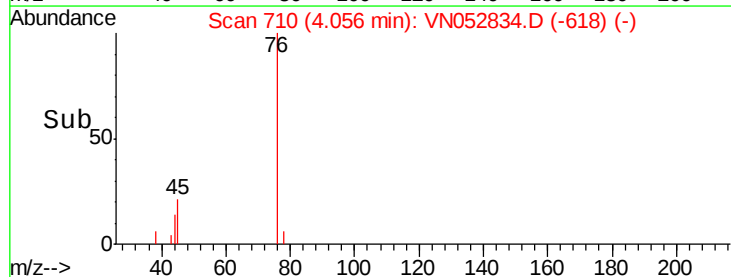
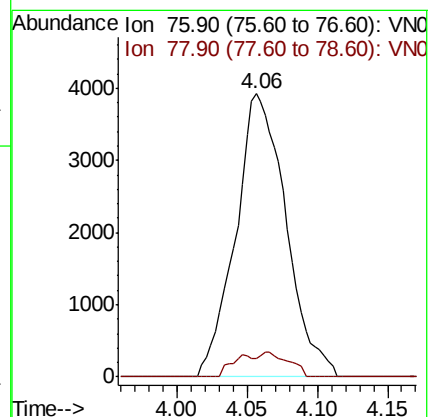
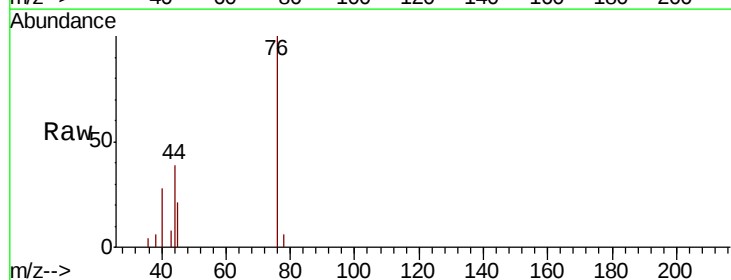
Acq: 12 Dec 2018 18:27

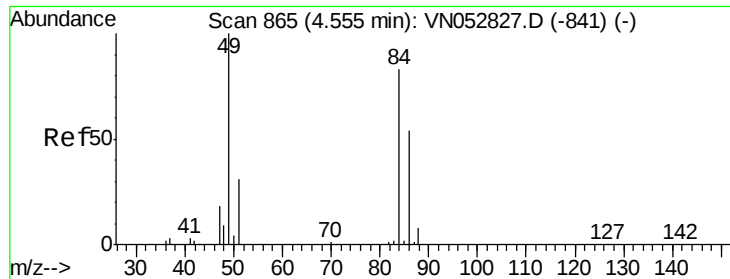
Tgt Ion: 76 Resp: 9789

Ion Ratio Lower Upper

76 100

78 6.3 7.1 10.7#

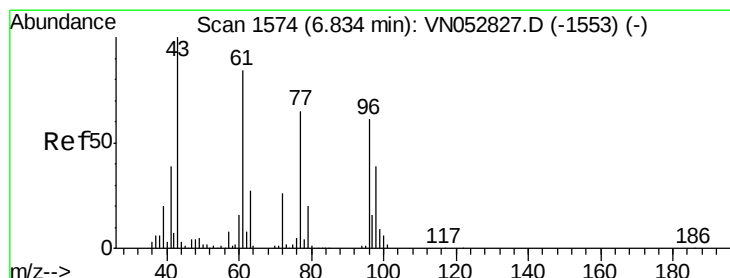
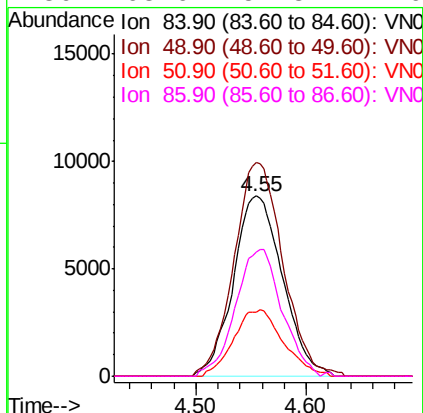
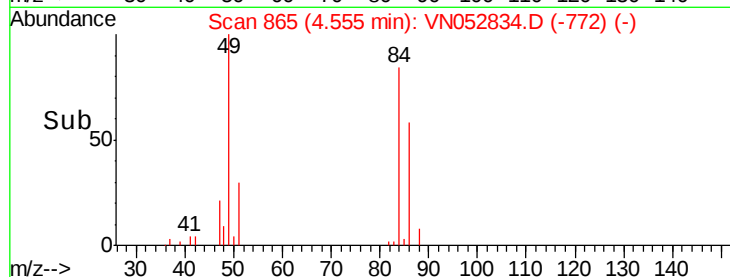
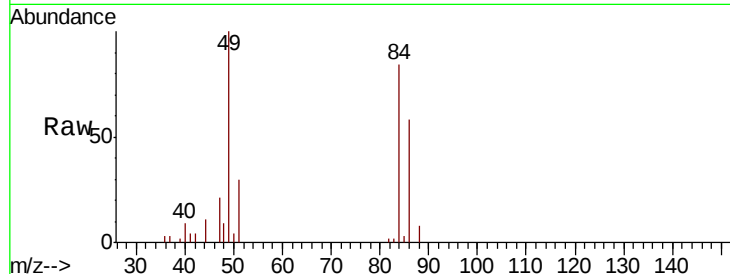




#20
Methvlene Chloride
Concen: 2.070 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052834.D
Acq: 12 Dec 2018 18:27

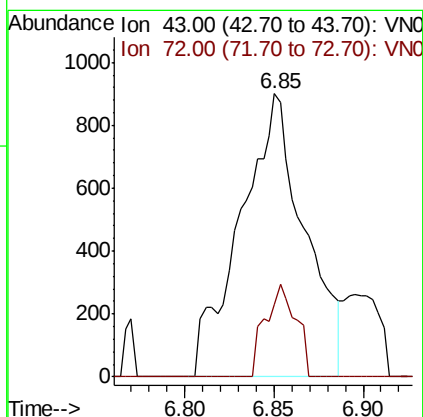
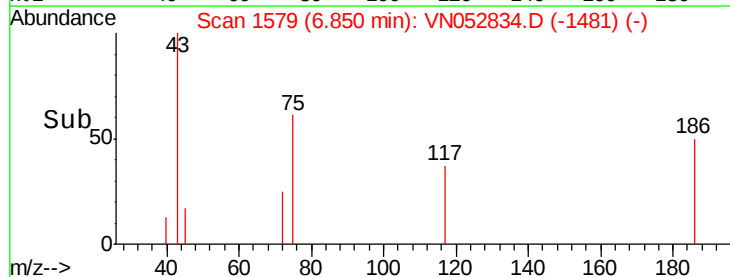
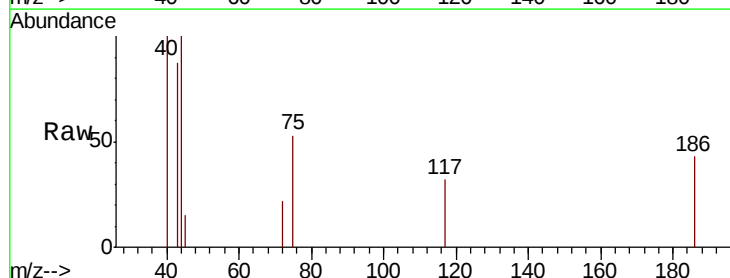
Instrument :
MSVOA_N
ClientSampleId :
069_FB-120718

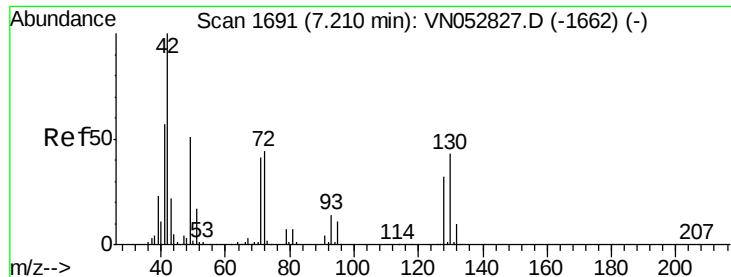
Tot Ion: 84 Resp: 25908
Ion Ratio Lower Upper
84 100
49 118.5 96.8 145.2
51 35.7 29.9 44.9
86 68.6 51.8 77.6



#25
2-Butanone
Concen: 0.522 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN052834.D
Acq: 12 Dec 2018 18:27

Tgt Ion: 43 Resp: 2251
Ion Ratio Lower Upper
43 100
72 25.4 21.0 31.6

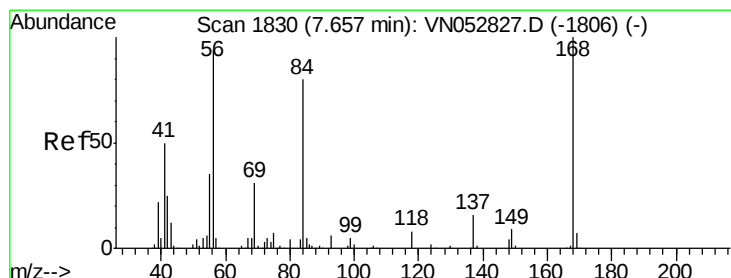
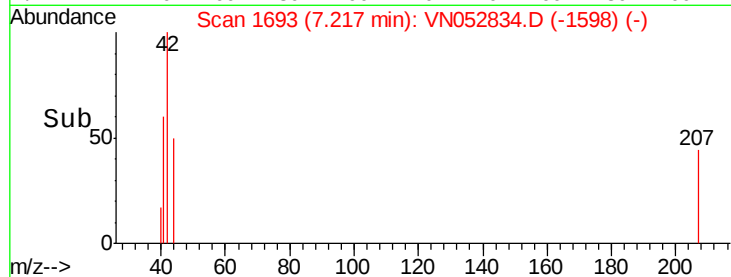
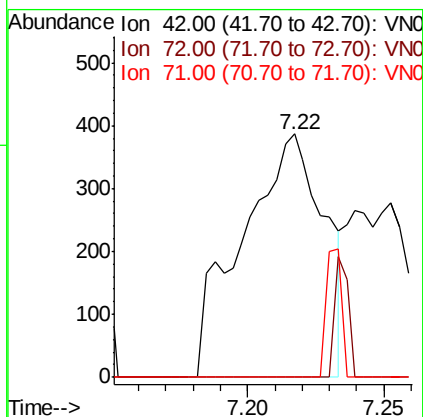
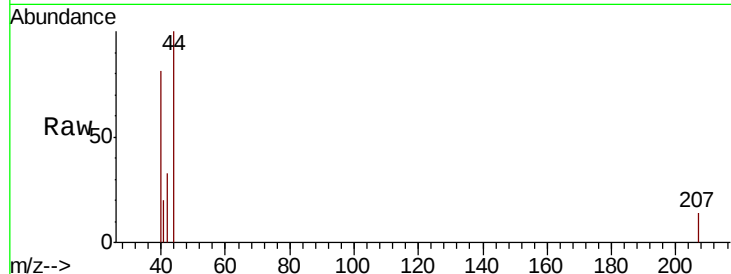




#29
Tetrahydrofuran
Concen: 0.273 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052834.D
Acq: 12 Dec 2018 18:27

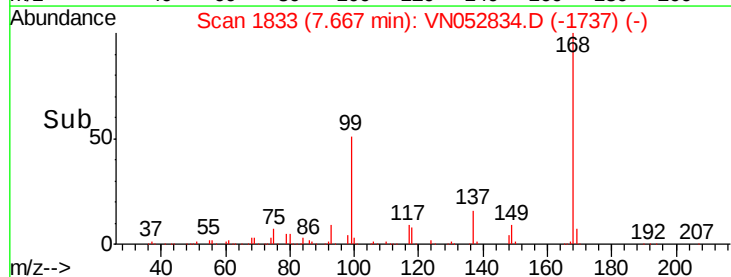
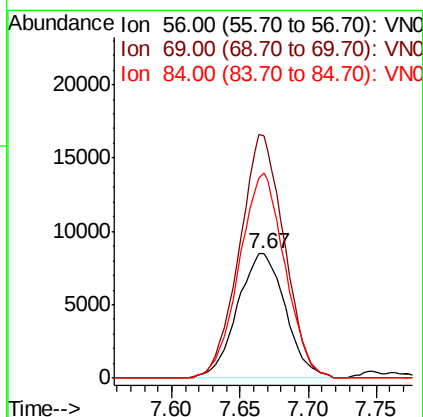
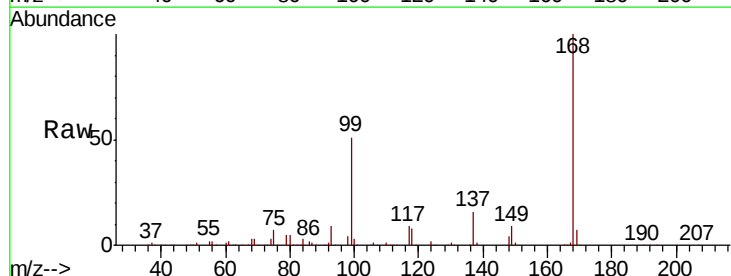
Instrument :
MSVOA_N
ClientSampleId :
069_FB-120718

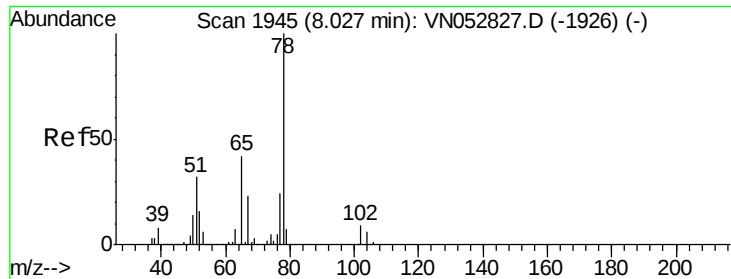
Tot Ion: 42 Resp: 805
Ion Ratio Lower Upper
42 100
72 8.3 34.7 52.1#
71 9.7 32.3 48.5#



#31
Cyclohexane
Concen: 0.413 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052834.D
Acq: 12 Dec 2018 18:27

Tgt Ion: 56 Resp: 20735
Ion Ratio Lower Upper
56 100
69 194.8 26.6 39.8#
84 164.7 68.4 102.6#

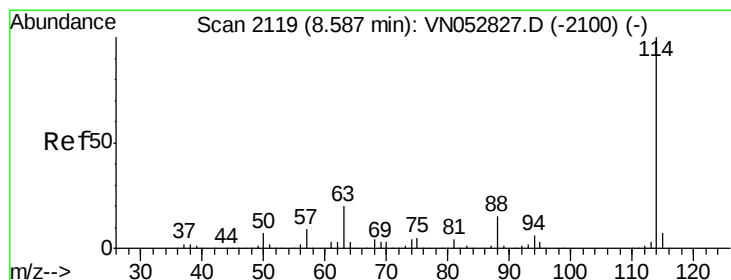
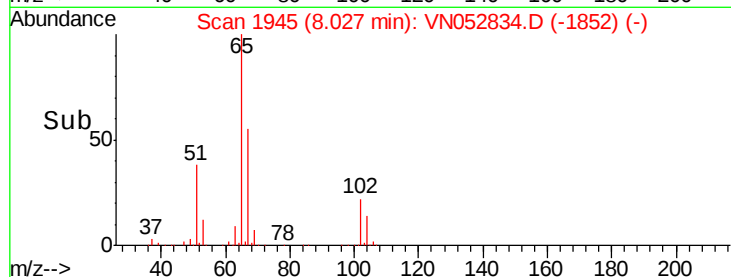
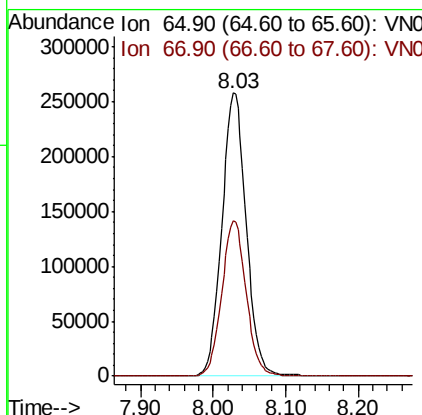
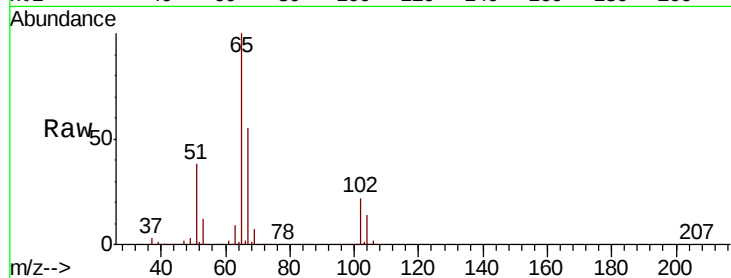




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052834.D
 Acq: 12 Dec 2018 18:27

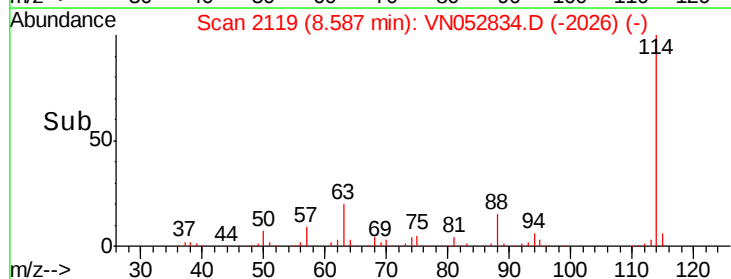
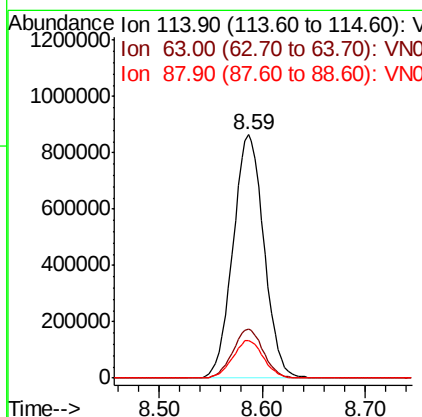
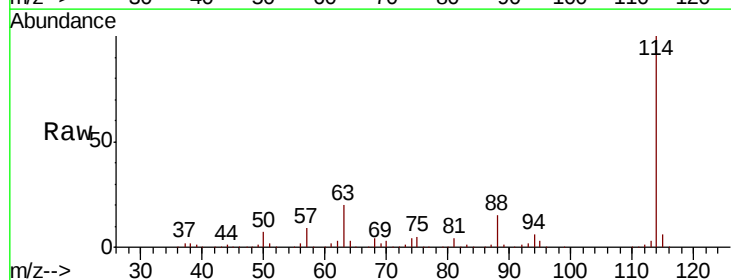
Instrument :
 MSVOA_N
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 069_FB-120718

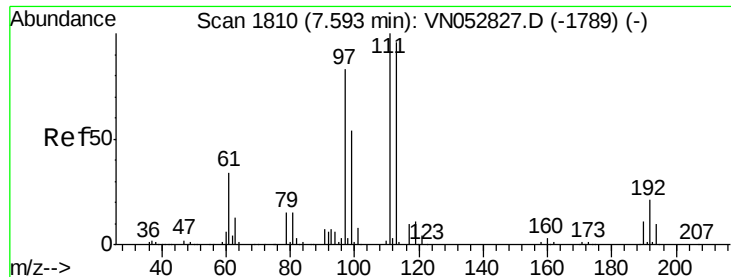
Tot Ion: 65 Resp: 601791
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052834.D
 Acq: 12 Dec 2018 18:27

Tgt Ion: 114 Resp: 1808373
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.5 0.0 31.0

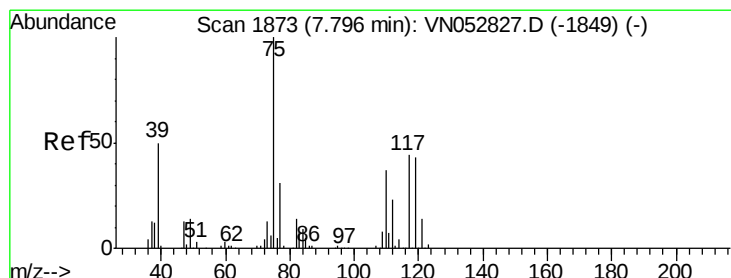
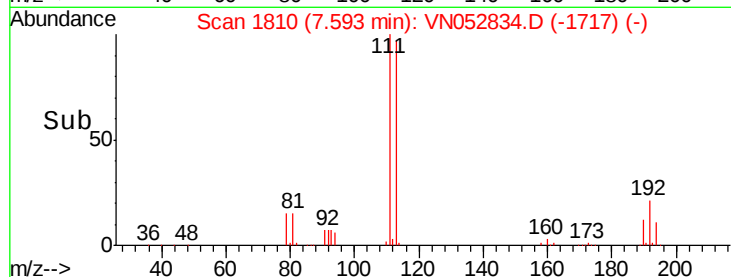
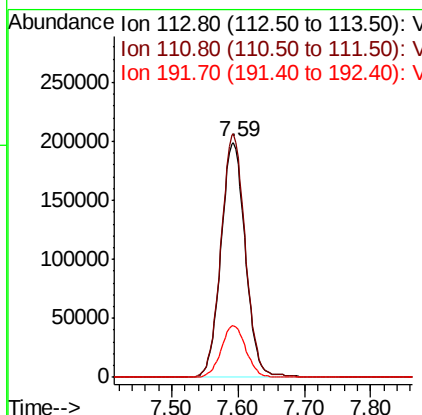
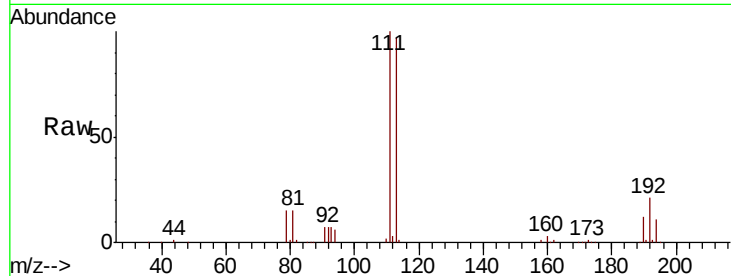




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052834.D
 Acq: 12 Dec 2018 18:27

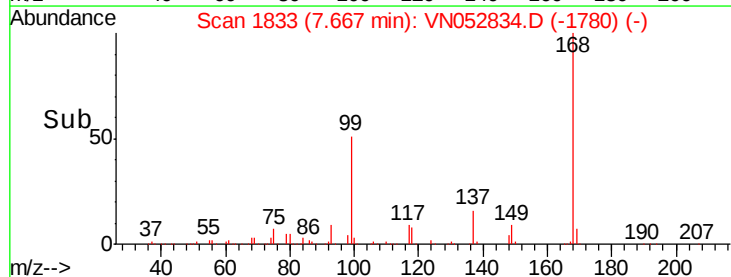
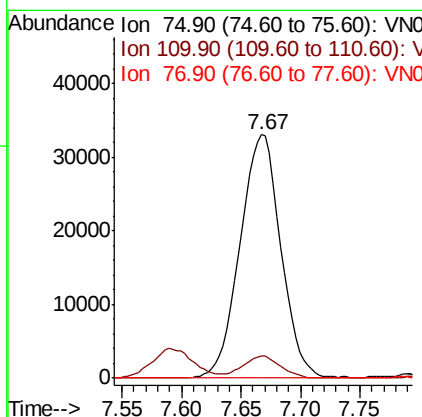
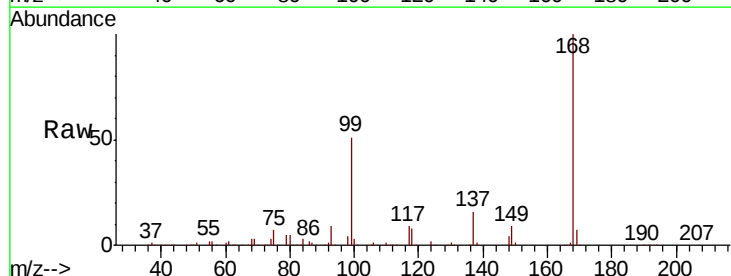
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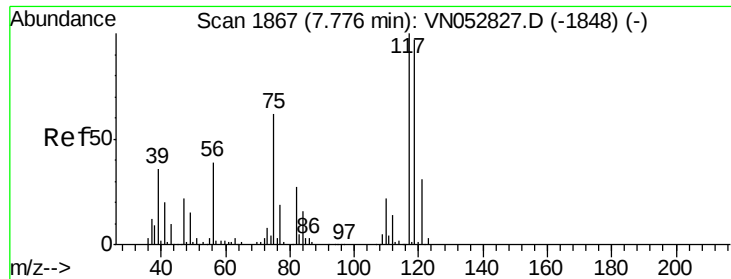
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.4
192	22.3	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052834.D
 Acq: 12 Dec 2018 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.619 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

Instrument :

MSVOA_N

ClientSampleId :

069_FB-120718

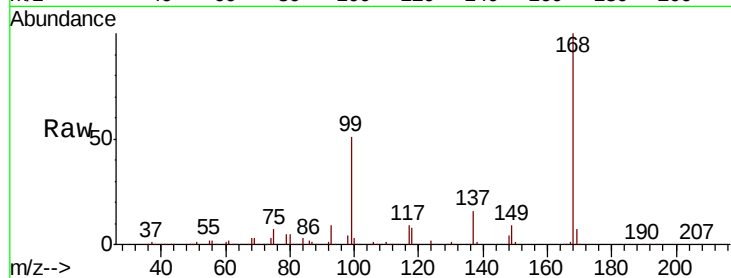
Tot Ion:117 Resp: 101460

Ion Ratio Lower Upper

117 100

119 5.3 77.1 115.7#

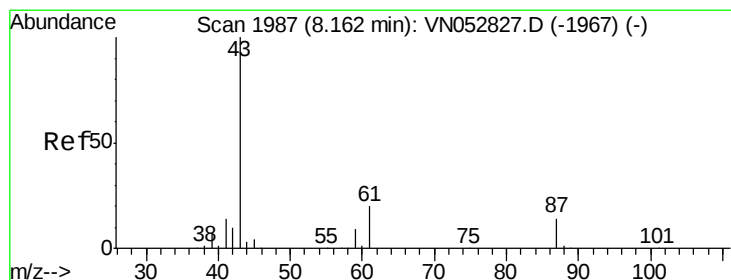
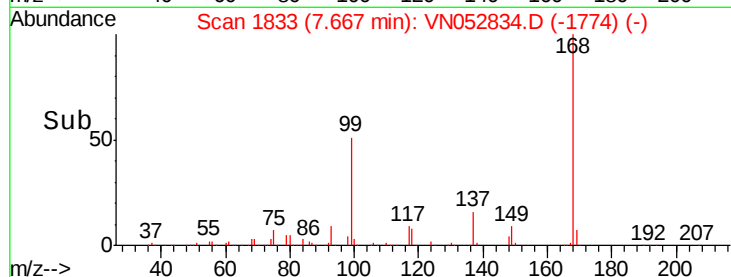
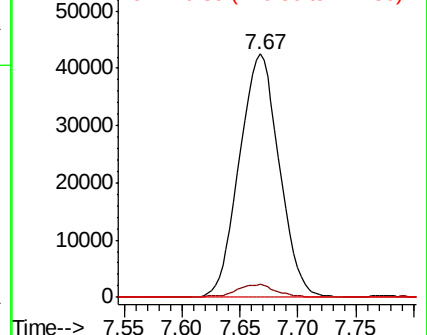
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 1.423 ug/l

RT: 8.24 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

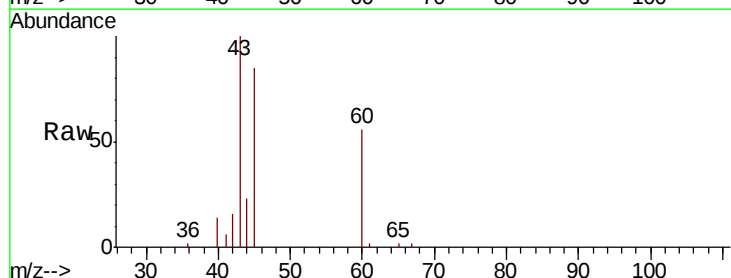
Tgt Ion: 43 Resp: 29189

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

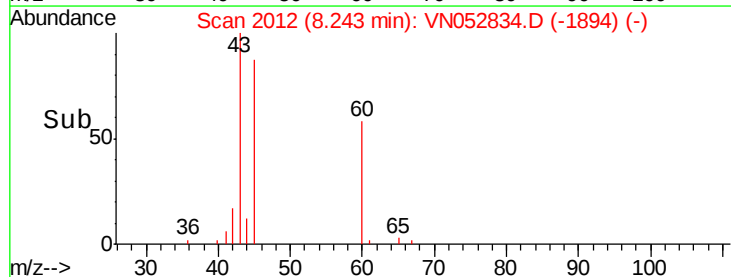
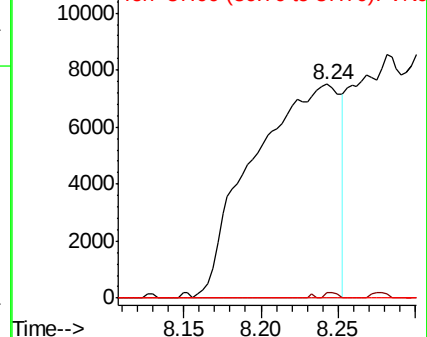
87 0.0 10.6 15.8#

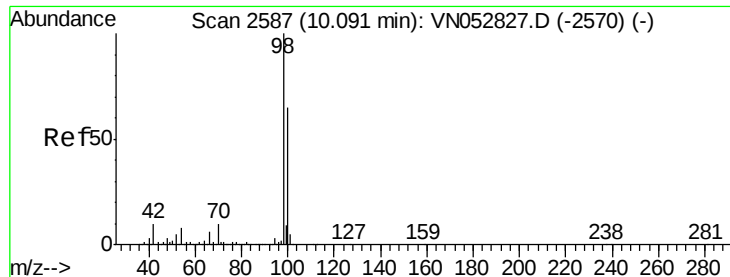


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

Instrument :

MSVOA_N

ClientSampleId :

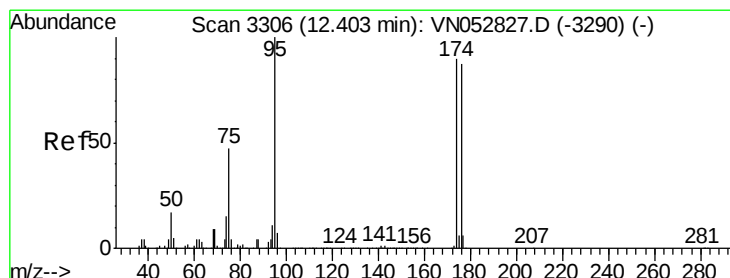
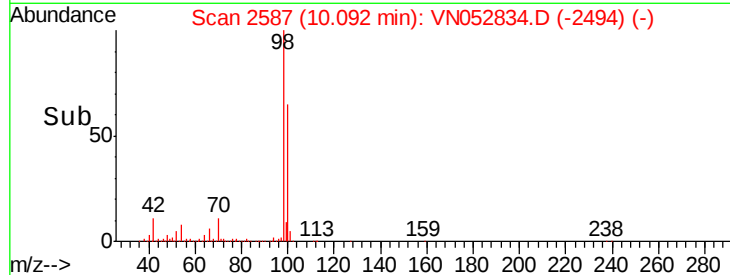
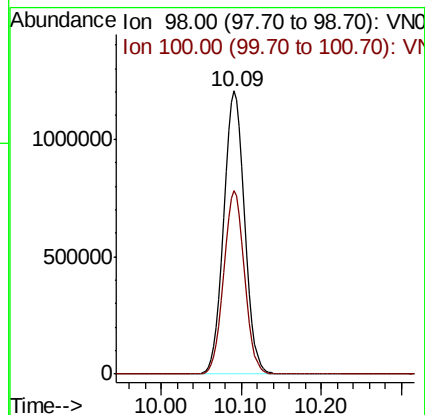
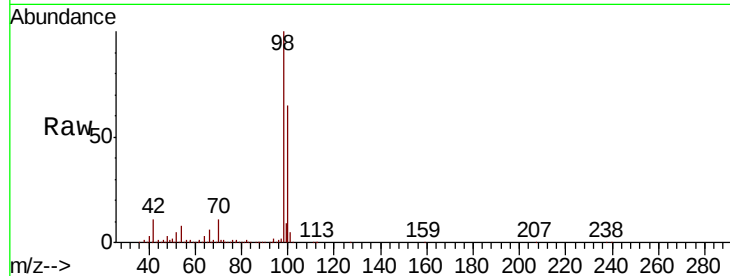
069_FB-120718

Tot Ion: 98 Resp: 2188615

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

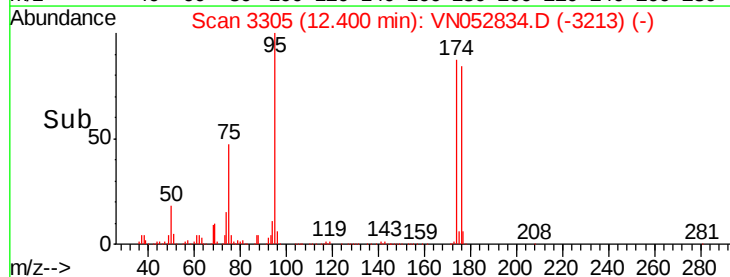
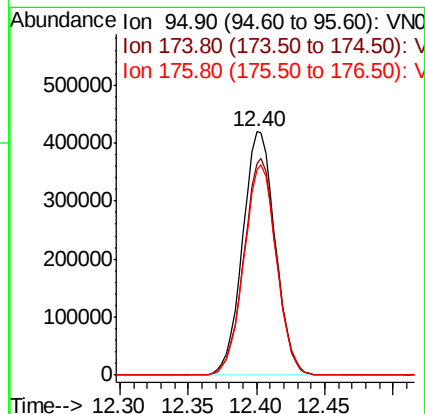
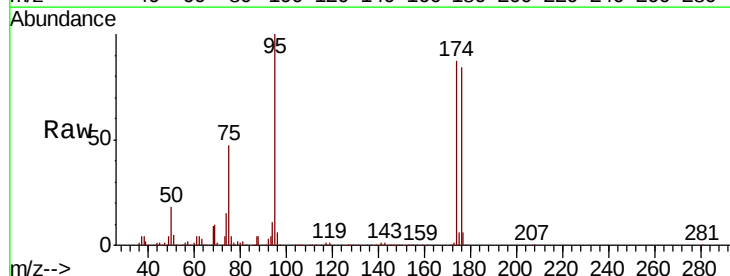
Tgt Ion: 95 Resp: 695888

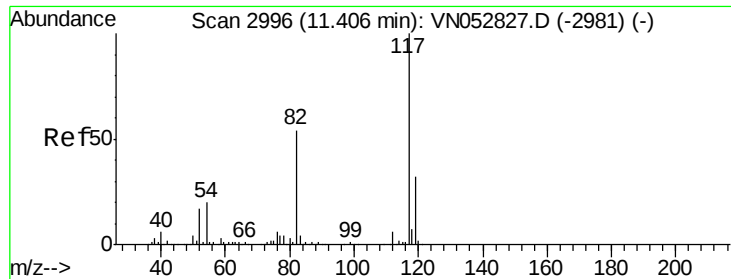
Ion Ratio Lower Upper

95 100

174 88.7 0.0 178.8

176 86.2 0.0 173.8

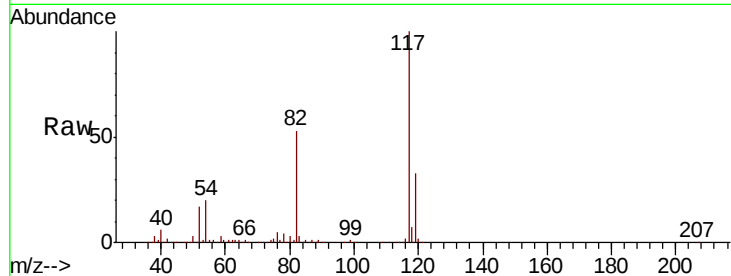




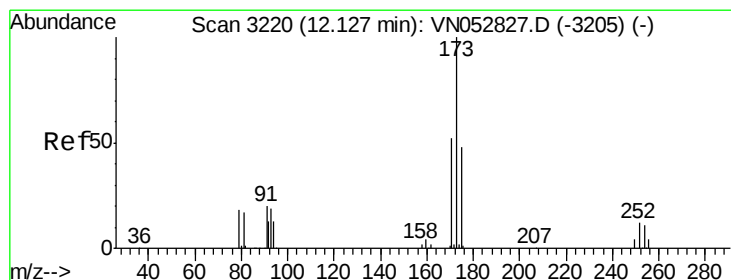
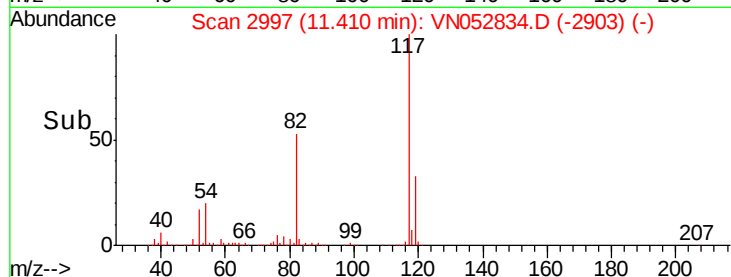
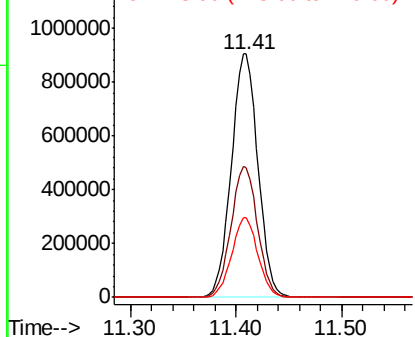
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052834.D
Acq: 12 Dec 2018 18:27

Instrument :
MSVOA_N
ClientSampleId :
069_FB-120718

Tot Ion:117 Resp: 1574613
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.6 25.5 38.3

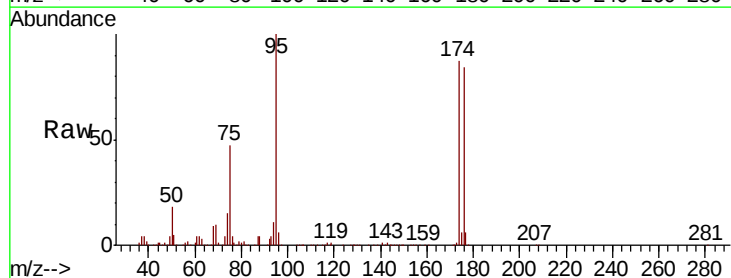


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

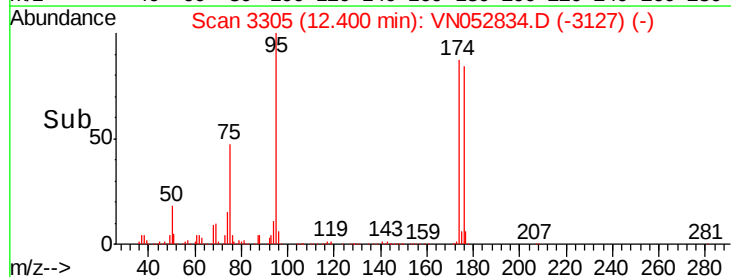
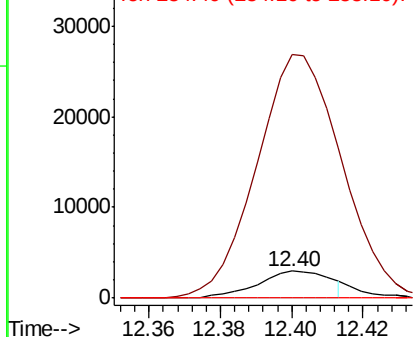


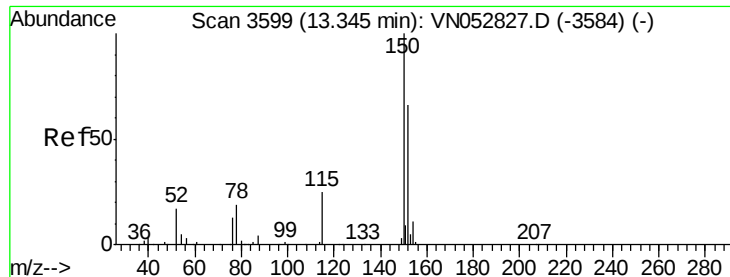
#71
Bromoform
Concen: 0.536 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052834.D
Acq: 12 Dec 2018 18:27

Tgt Ion:173 Resp: 4135
Ion Ratio Lower Upper
173 100
175 928.4 24.3 72.9#
254 0.0 0.1 0.1#



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: VN052834.D

Acq: 12 Dec 2018 18:27

Instrument :

MSVOA_N

ClientSampleId :

069_FB-120718

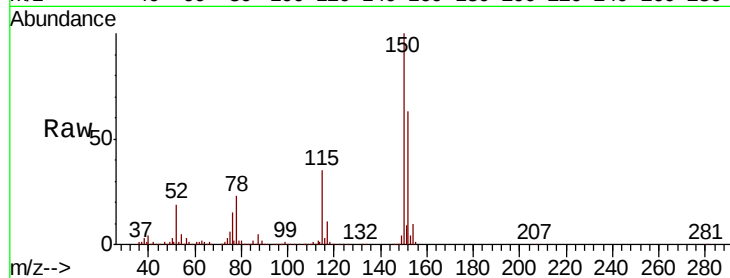
Tot Ion:152 Resp: 621826

Ion Ratio Lower Upper

152 100

115 55.9 28.3 85.0

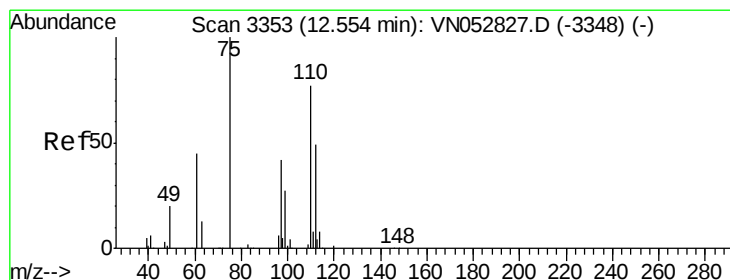
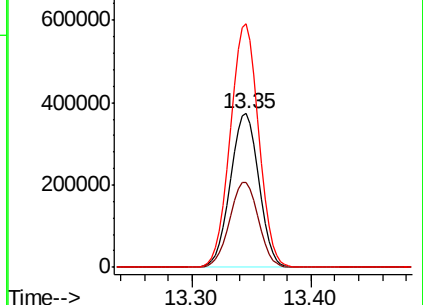
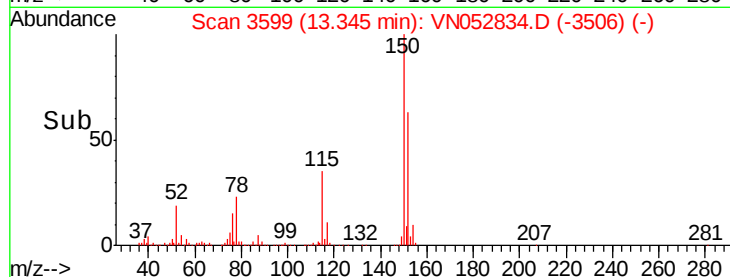
150 157.2 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 35.843 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052834.D

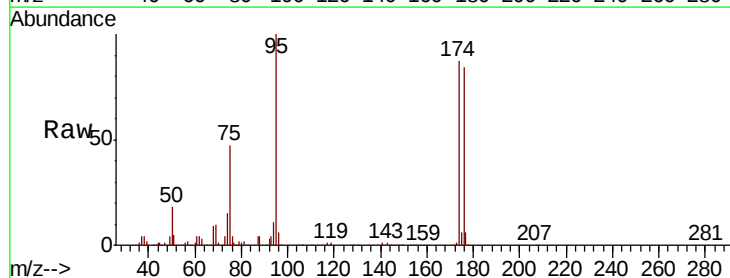
Acq: 12 Dec 2018 18:27

Tgt Ion: 75 Resp: 328836

Ion Ratio Lower Upper

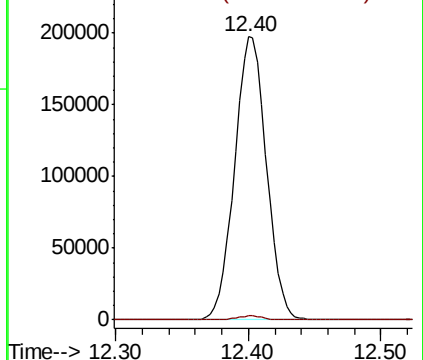
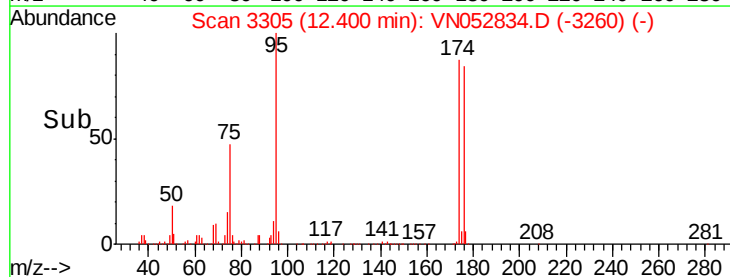
75 100

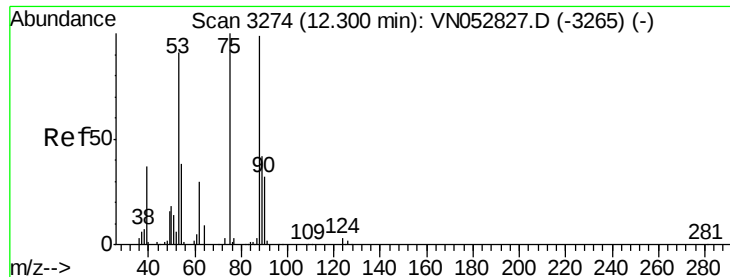
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 115.145 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

Instrument :

MSVOA_N

ClientSampled :

069_FB-120718

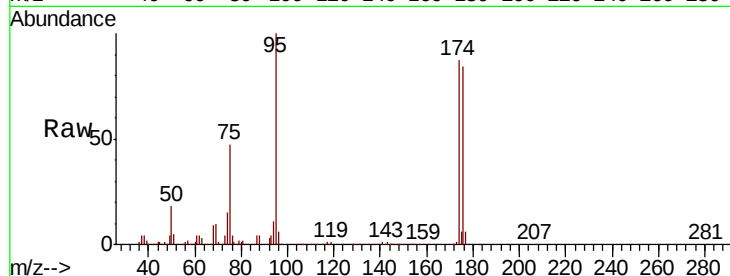
Tot Ion: 75 Resp: 328836

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

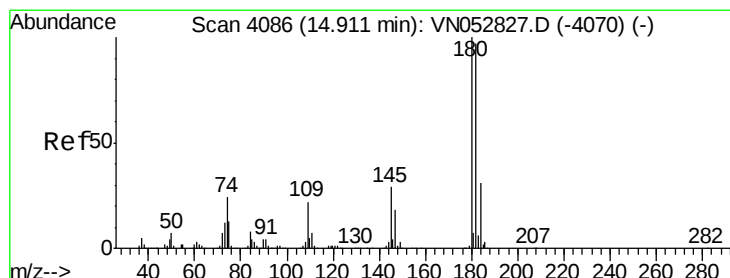
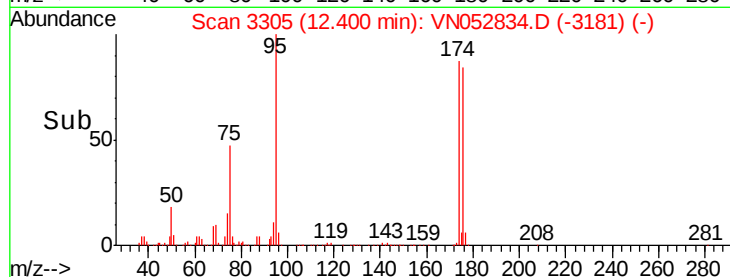
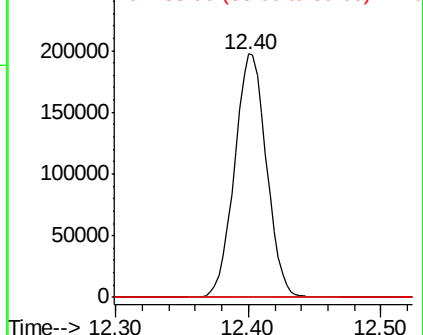


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 0.210 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

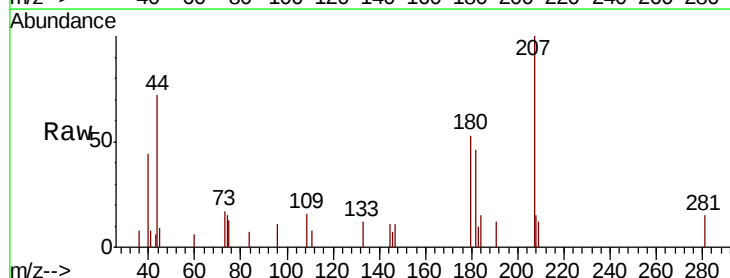
Tgt Ion:180 Resp: 2306

Ion Ratio Lower Upper

180 100

182 89.0 47.8 143.3

145 22.3 14.2 42.6

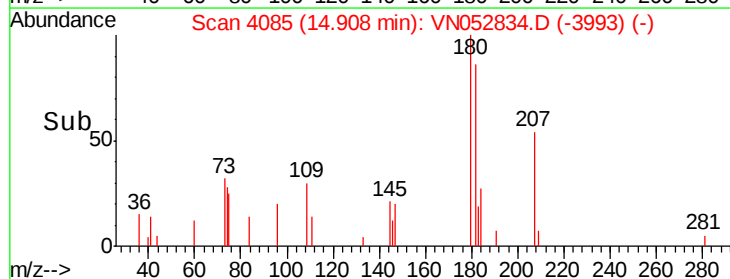
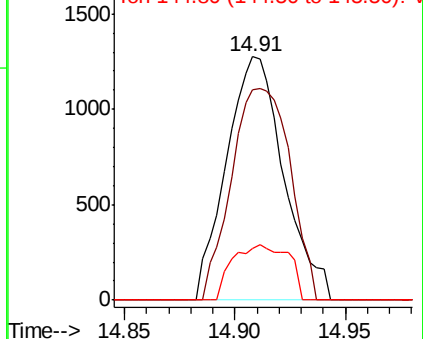


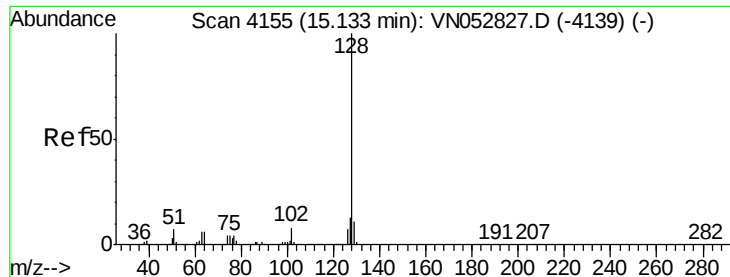
Abundance

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: 0.236 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

Instrument :

MSVOA_N

ClientSampleId :

069_FB-120718

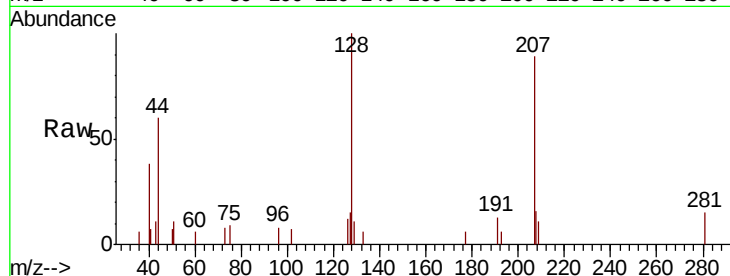
Tot Ion:128 Resp: 5355

Ion Ratio Lower Upper

128 100

127 11.7 10.2 15.4

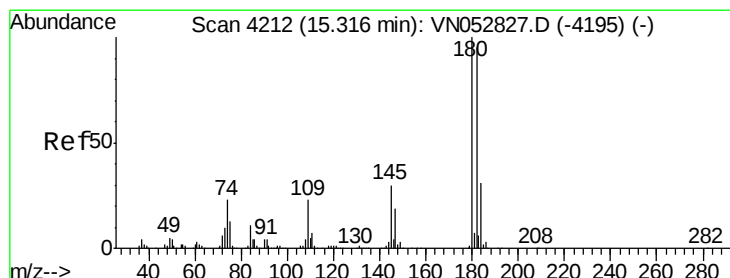
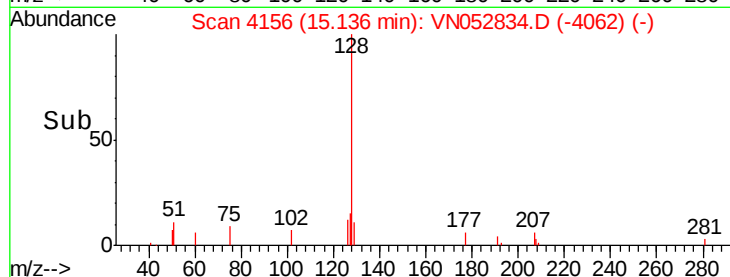
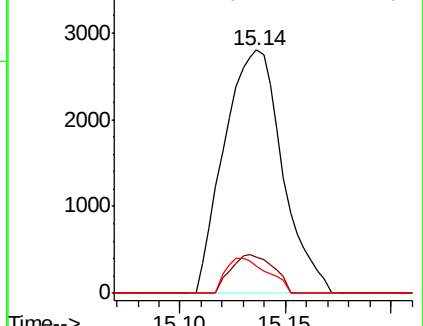
129 10.4 8.6 13.0



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: 0.208 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN052834.D

Acq: 12 Dec 2018 18:27

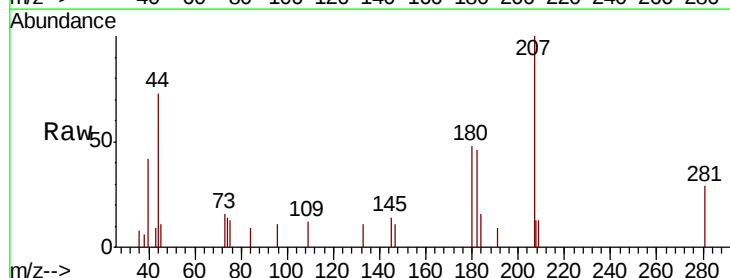
Tgt Ion:180 Resp: 2096

Ion Ratio Lower Upper

180 100

182 111.1 47.9 143.7

145 29.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

