

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052890.D
 Acq On : 14 Dec 2018 15:54
 Operator : MD\SY
 Sample : VN1214WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 02:58:03 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	1362756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2098363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1800823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	680224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	689705	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
35) Dibromofluoromethane	7.59	113	507934	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	
50) Toluene-d8	10.09	98	2518841	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	786048	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	

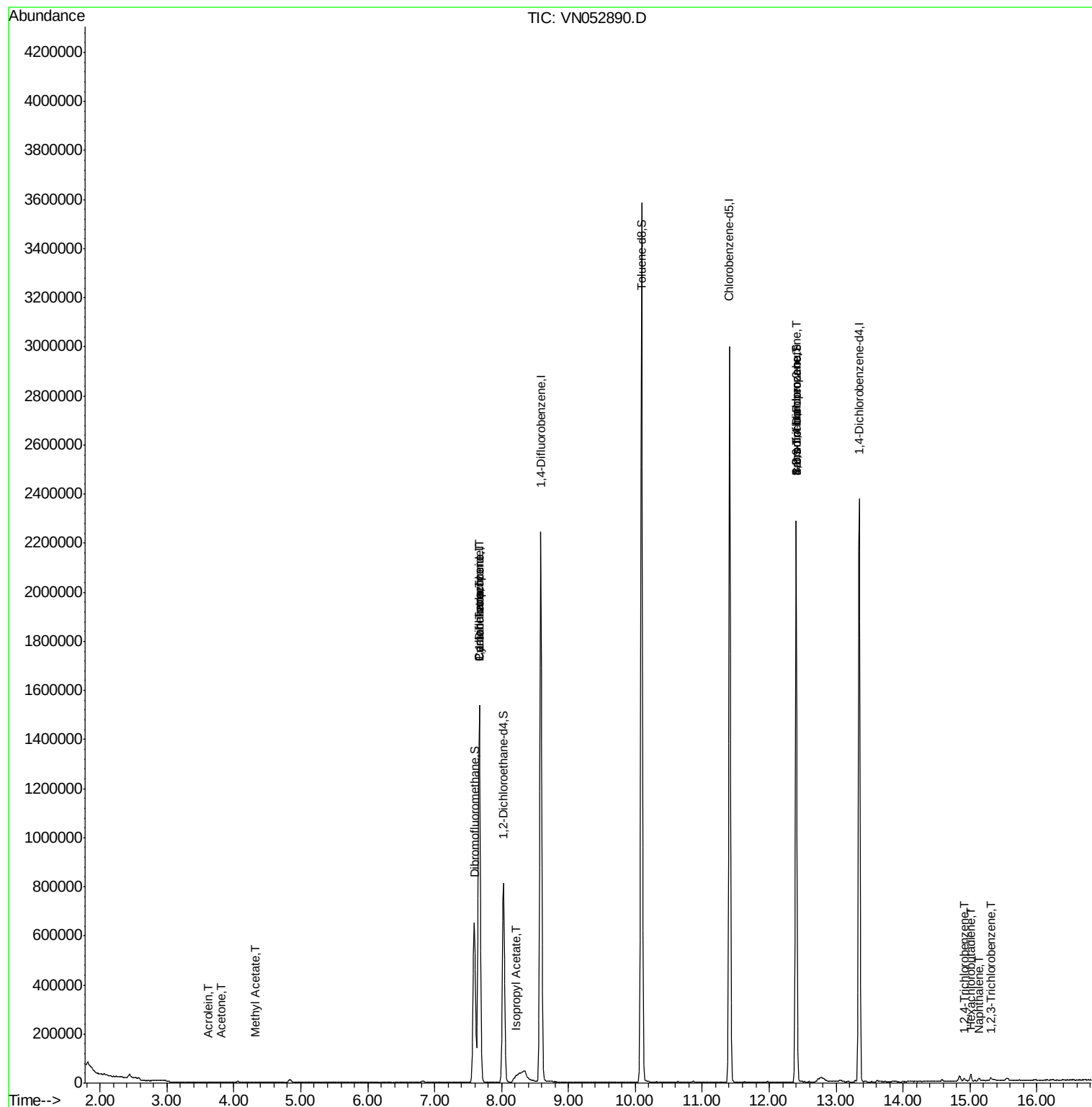
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	443	0.581	ug/l #	72
16) Acetone	3.81	43	1077	0.331	ug/l #	86
18) Methyl Acetate	4.32	43	5159	0.432	ug/l #	68
31) Cyclohexane	7.66	56	21801	0.311	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	90010	4.658	ug/l #	49
38) Carbon Tetrachloride	7.67	117	119305	6.708	ug/l #	16
43) Isopropyl Acetate	8.22	43	27109	1.139	ug/l #	53
71) Bromoform	12.40	173	4438	0.503	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	368155	36.684	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	368155	117.846	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	4032	0.336	ug/l	97
94) Hexachlorobutadiene	15.01	225	5900	0.849	ug/l	97
95) Naphthalene	15.14	128	10564	0.425	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	4674	0.424	ug/l	97

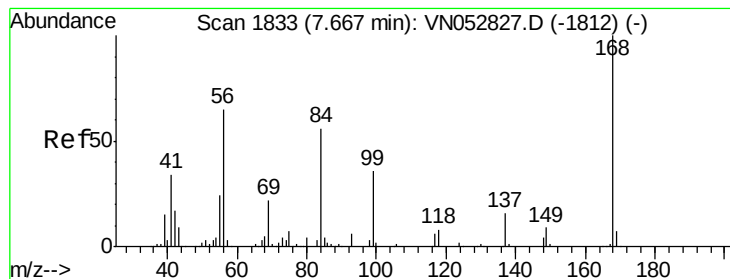
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
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: VN052890.D

Acq: 14 Dec 2018 15:54

Instrument :

MSVOA_N

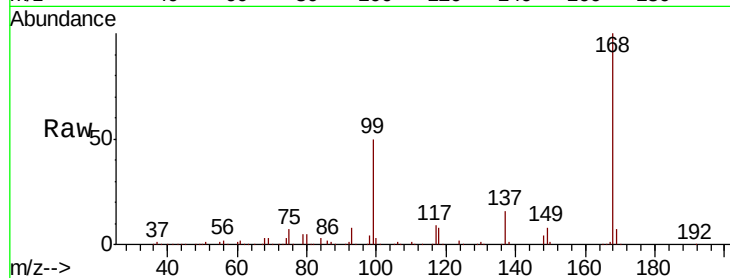
ClientSampleId :

Tot Ion:168 Resp: 1362756

Ion Ratio Lower Upper

168 100

99 50.2 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

600000

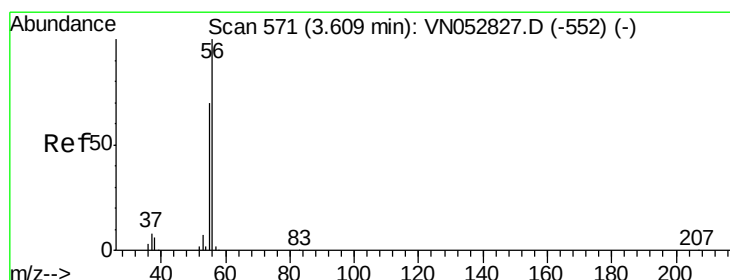
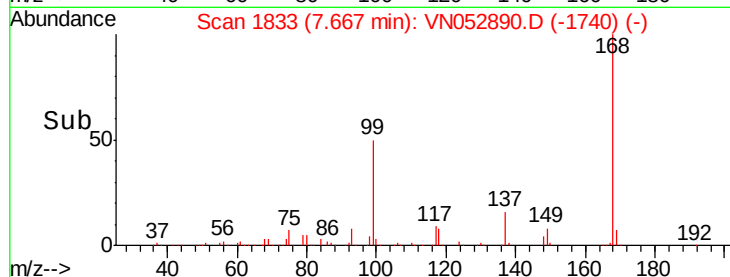
400000

200000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 0.581 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052890.D

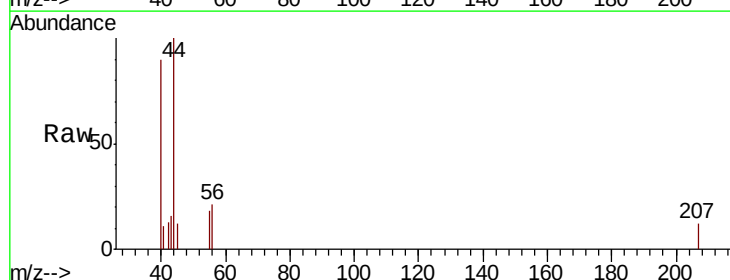
Acq: 14 Dec 2018 15:54

Tgt Ion: 56 Resp: 443

Ion Ratio Lower Upper

56 100

55 94.1 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) (-)

3.61

300

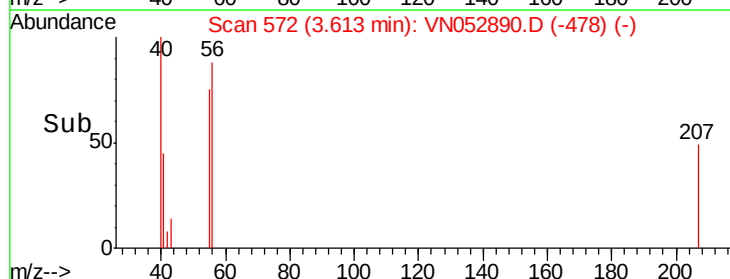
200

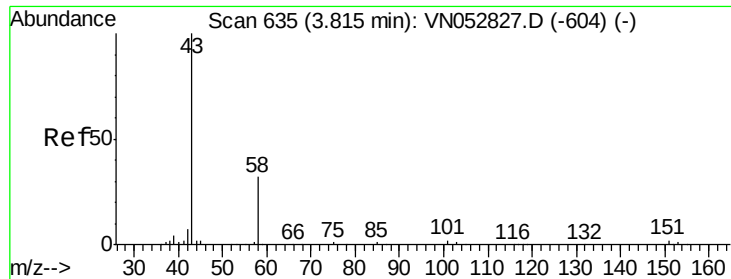
100

0

3.58 3.60 3.62 3.64

Time-->





#16

Acetone

Concen: 0.331 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052890.D

Acq: 14 Dec 2018 15:54

Instrument :

MSVOA_N

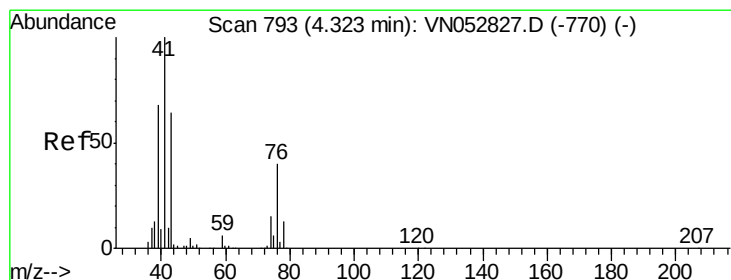
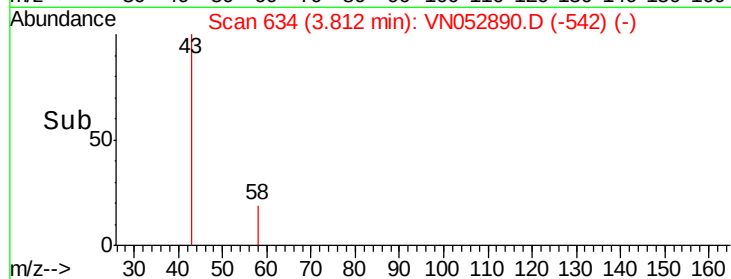
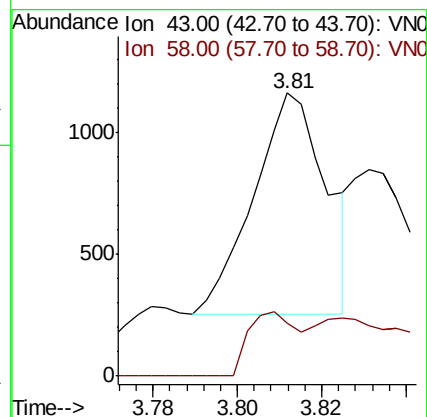
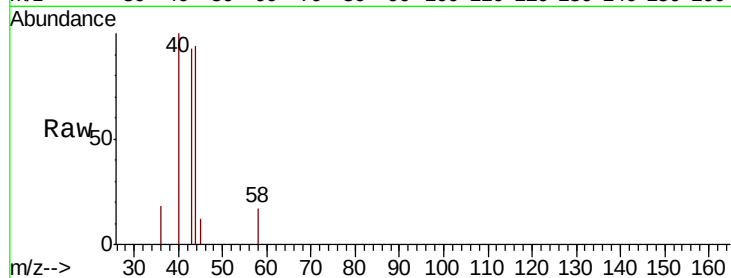
ClientSampled :

Tot Ion: 43 Resp: 1077

Ion Ratio Lower Upper

43 100

58 23.9 25.4 38.0#



#18

Methyl Acetate

Concen: 0.432 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052890.D

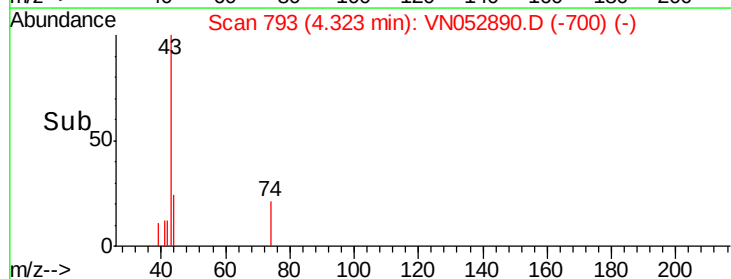
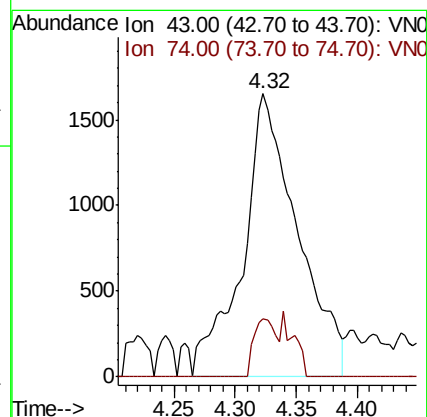
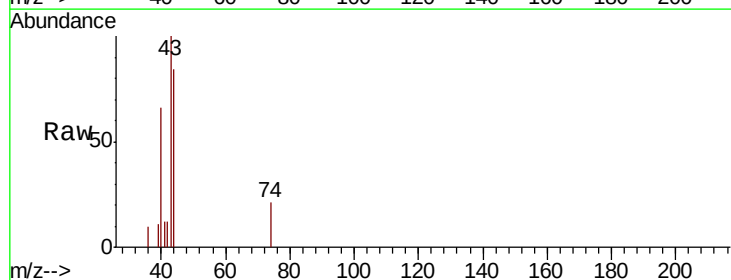
Acq: 14 Dec 2018 15:54

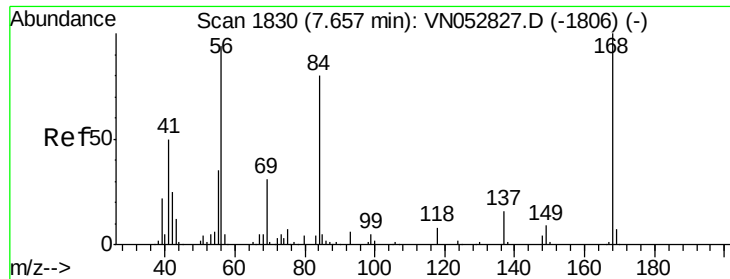
Tgt Ion: 43 Resp: 5159

Ion Ratio Lower Upper

43 100

74 8.1 19.2 28.8#

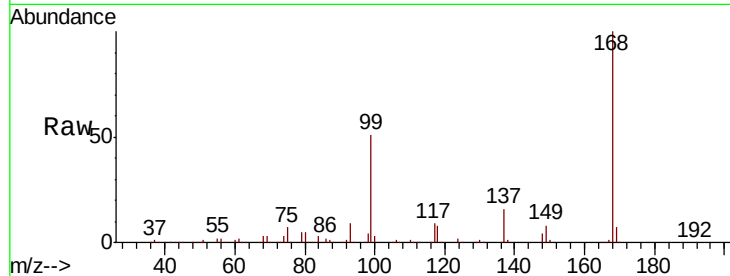




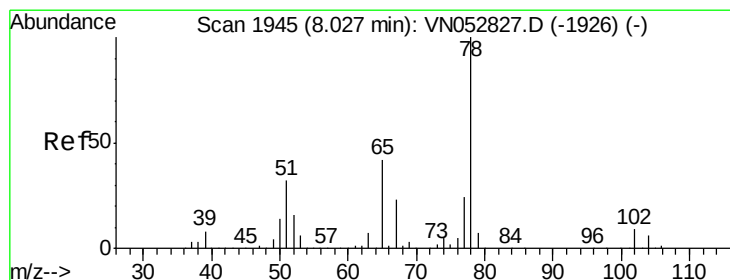
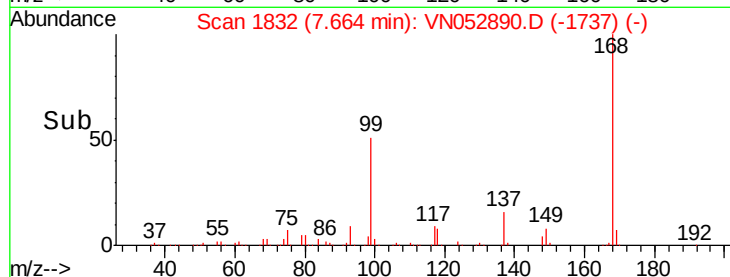
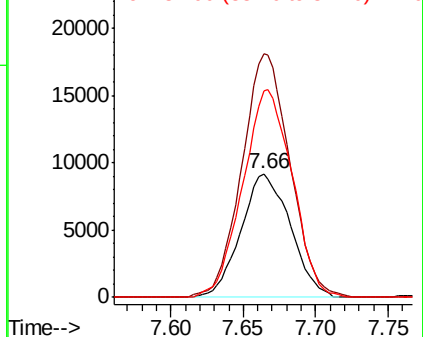
#31
Cyclohexane
Concen: 0.311 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052890.D
Acq: 14 Dec 2018 15:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 21801
Ion Ratio Lower Upper
56 100
69 197.4 26.6 39.8#
84 167.4 68.4 102.6#

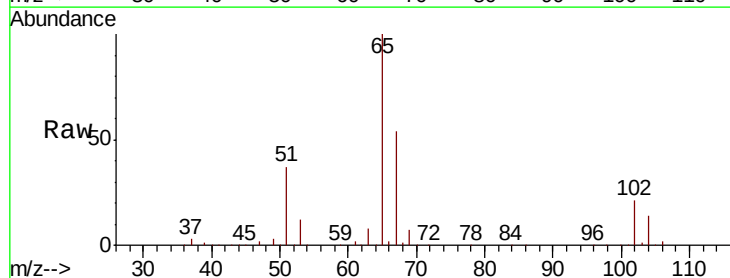


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

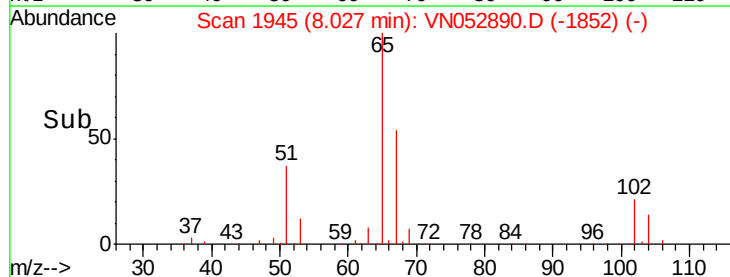
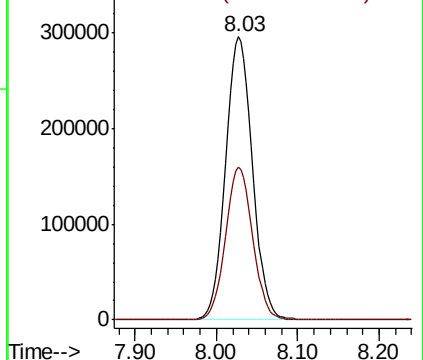


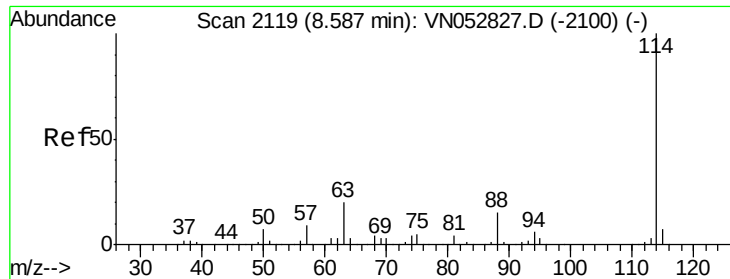
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052890.D
Acq: 14 Dec 2018 15:54

Tgt Ion: 65 Resp: 689705
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

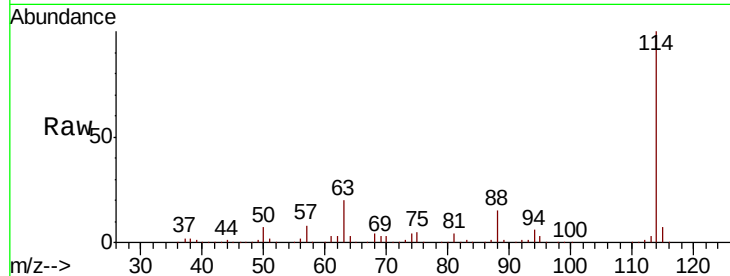




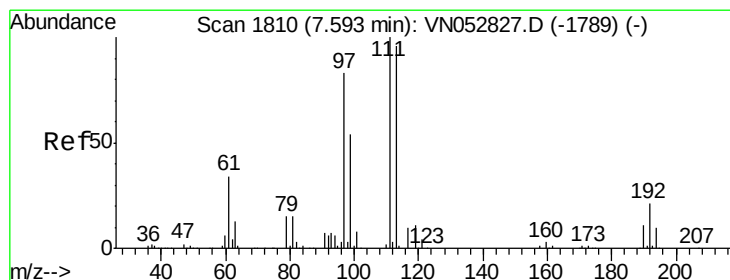
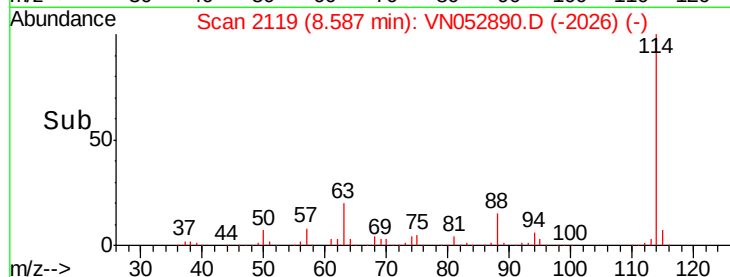
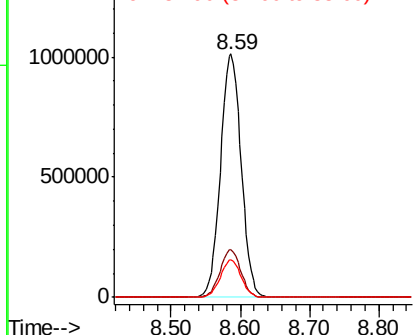
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052890.D
 Acq: 14 Dec 2018 15:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 2098363
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0

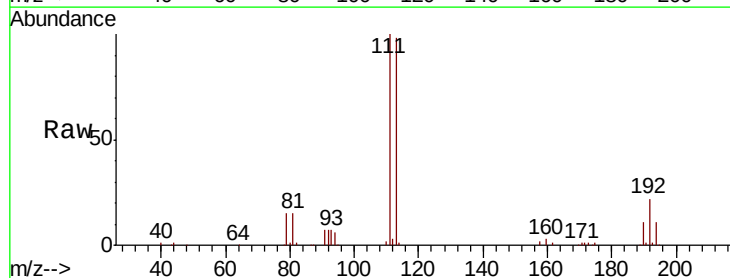


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

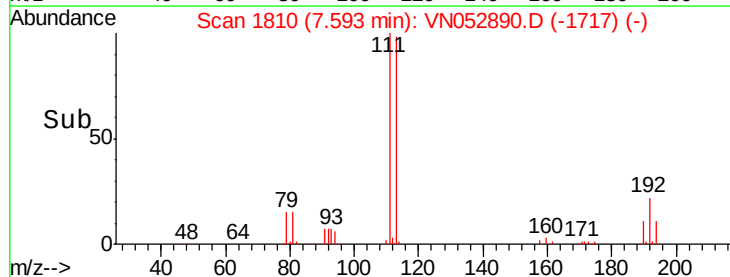
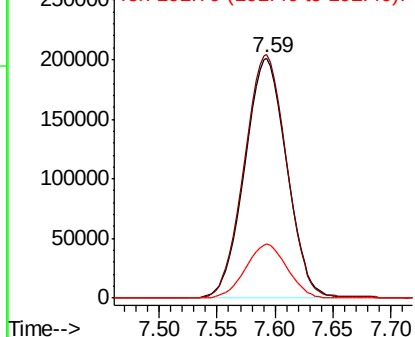


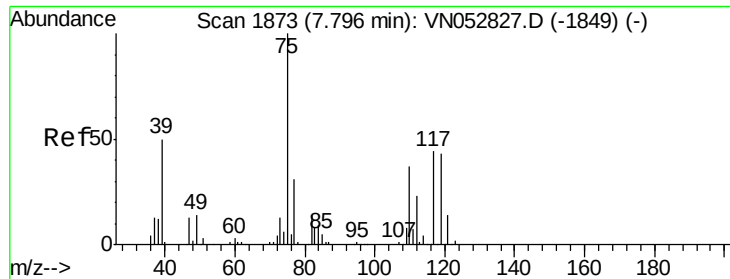
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052890.D
 Acq: 14 Dec 2018 15:54

Tgt Ion:113 Resp: 507934
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.4
 192 22.3 17.5 26.3



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

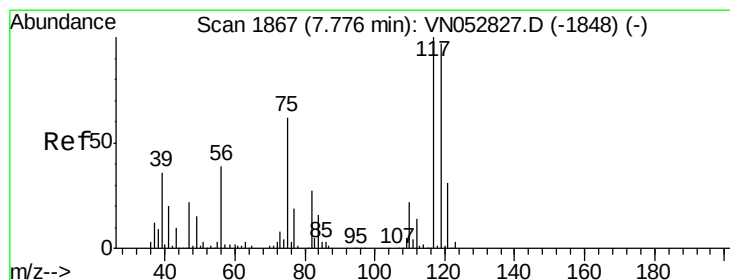
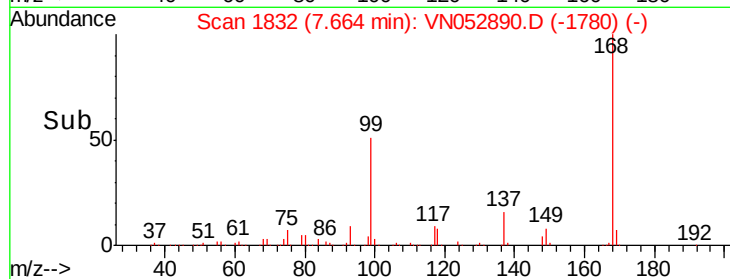
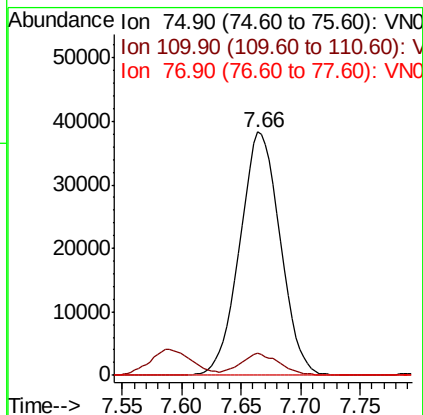
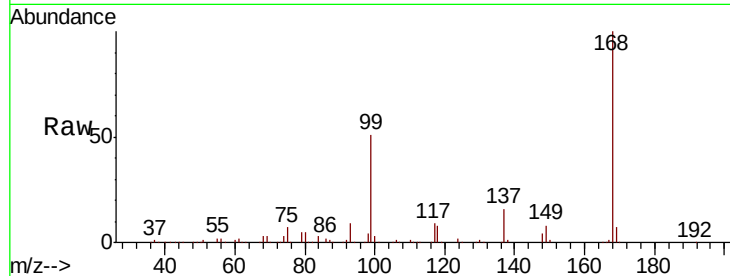




#36
 1,1-Dichloropropene
 Concen: 4.658 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052890.D
 Acq: 14 Dec 2018 15:54

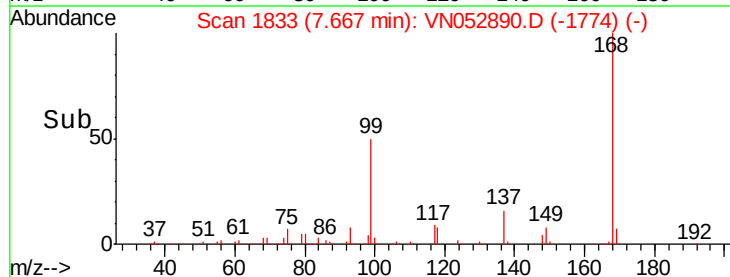
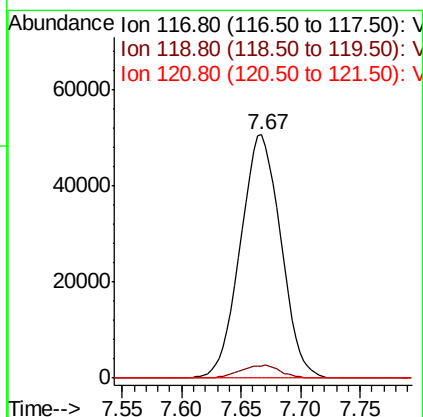
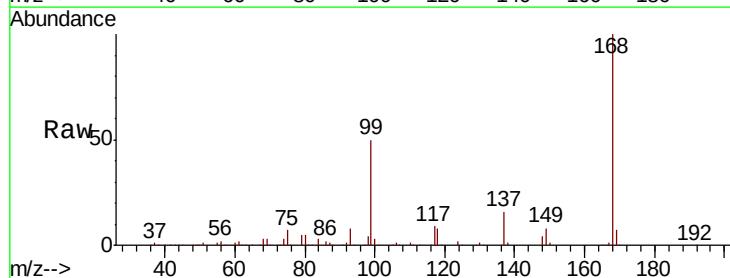
Instrument :
 MSVOA_N
 ClientSampled :

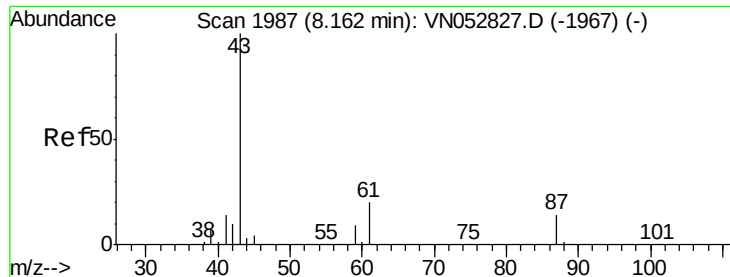
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.708 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052890.D
 Acq: 14 Dec 2018 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.1	115.7#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 1.139 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN052890.D

Acq: 14 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

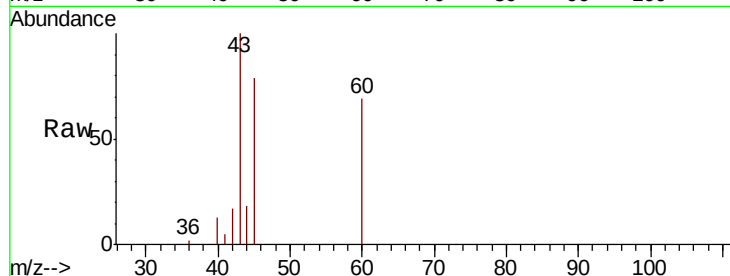
Tot Ion: 43 Resp: 27109

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

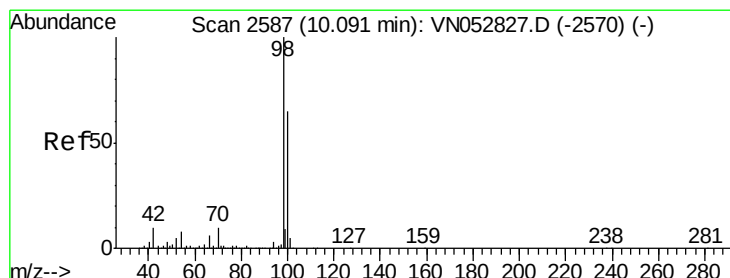
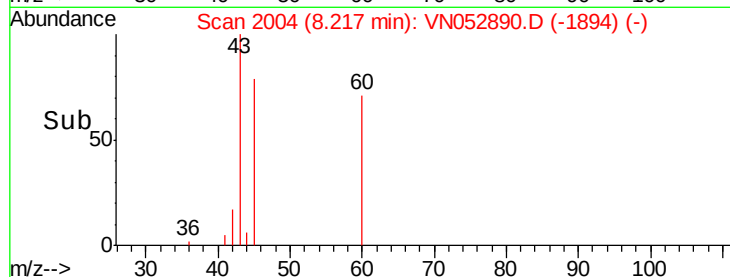
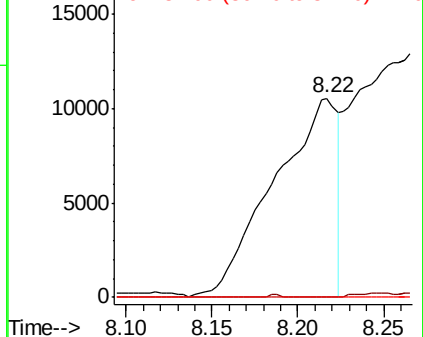
87 0.0 10.6 15.8#



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: VN052890.D

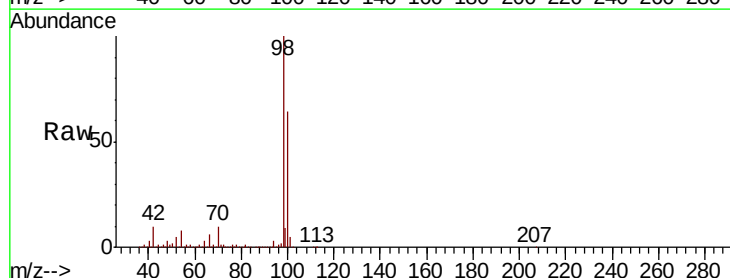
Acq: 14 Dec 2018 15:54

Tgt Ion: 98 Resp: 2518841

Ion Ratio Lower Upper

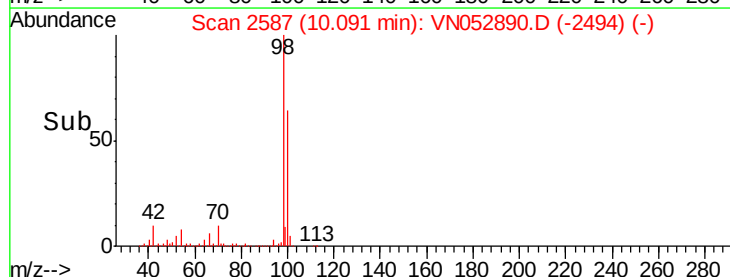
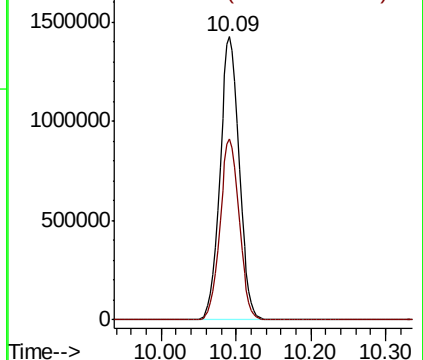
98 100

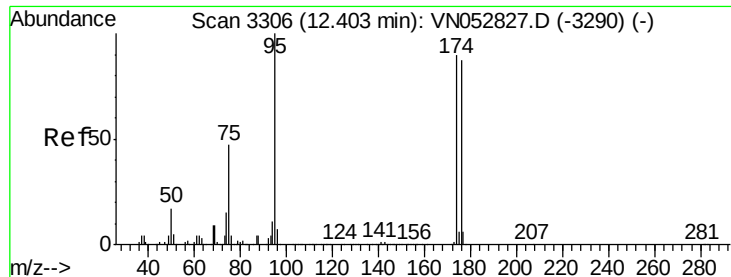
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052890.D

Acq: 14 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

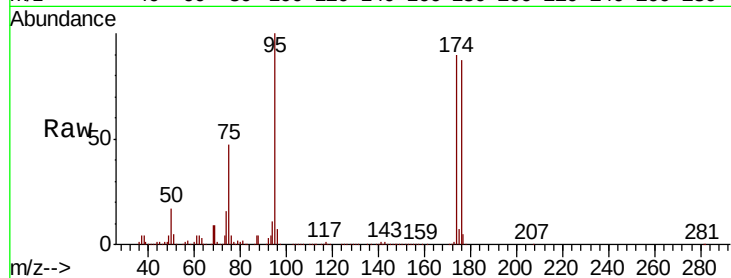
Tot Ion: 95 Resp: 786048

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 86.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052827.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052827.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052827.D (-3290) (-)

12.40

600000

500000

400000

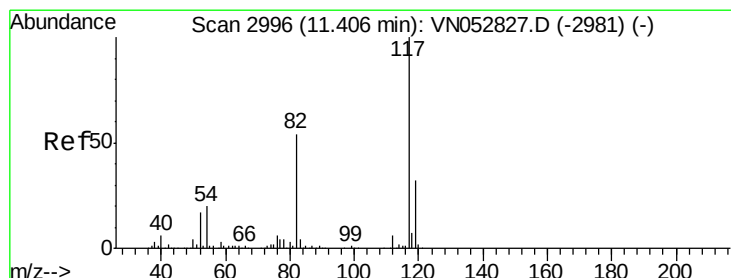
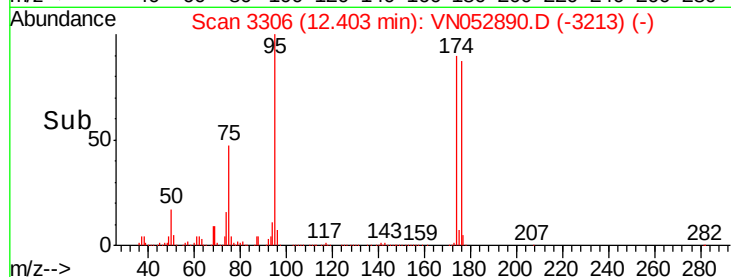
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052890.D

Acq: 14 Dec 2018 15:54

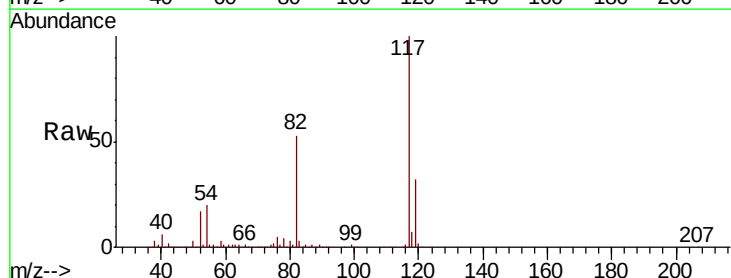
Tgt Ion: 117 Resp: 1800823

Ion Ratio Lower Upper

117 100

82 53.2 42.8 64.2

119 32.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052827.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052827.D (-2981) (-)

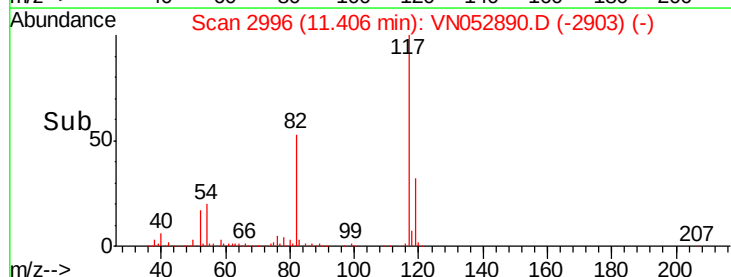
11.41

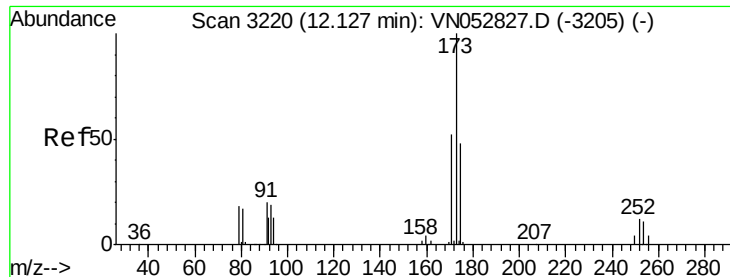
1000000

500000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.503 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052890.D

Acq: 14 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampled :

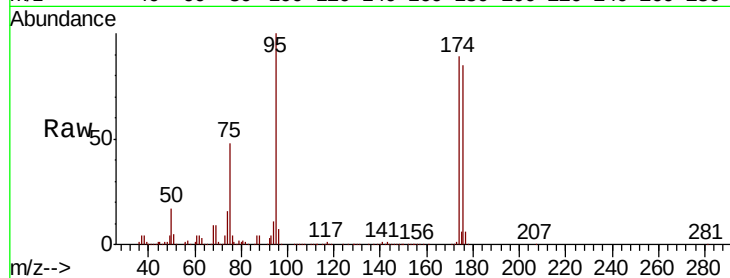
Tot Ion:173 Resp: 4438

Ion Ratio Lower Upper

173 100

175 1001.3 24.3 72.9#

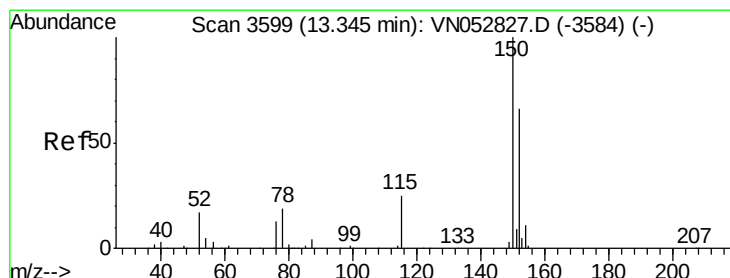
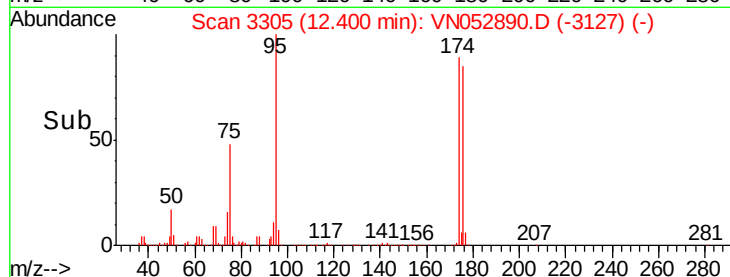
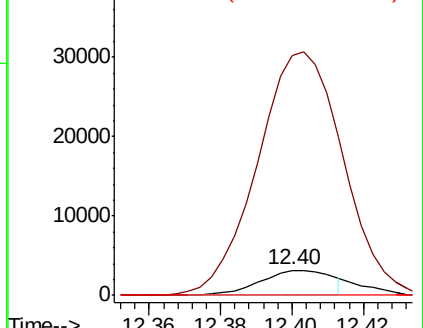
254 0.0 0.1 0.1#



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: VN052890.D

Acq: 14 Dec 2018 15:54

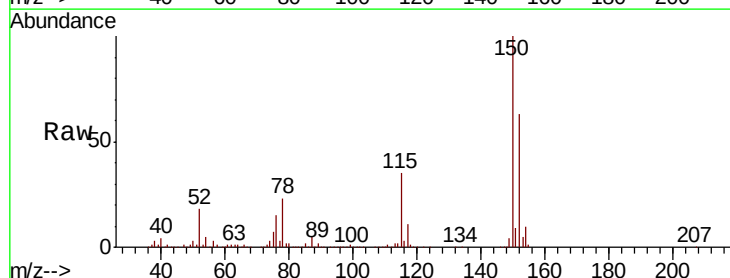
Tgt Ion:152 Resp: 680224

Ion Ratio Lower Upper

152 100

115 56.5 28.3 85.0

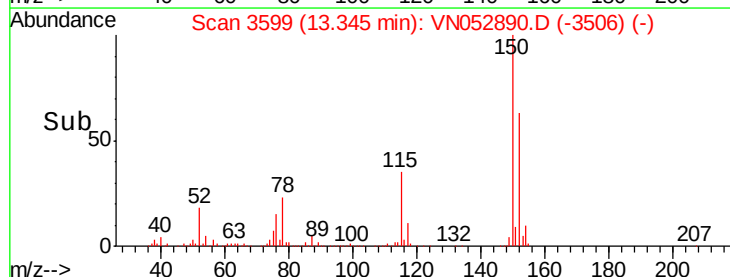
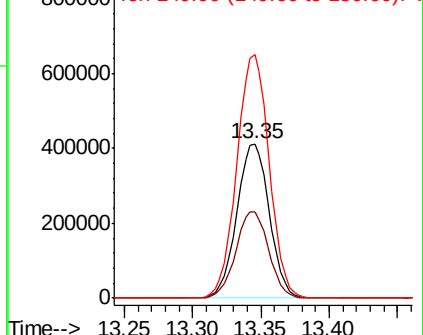
150 157.5 0.0 347.8

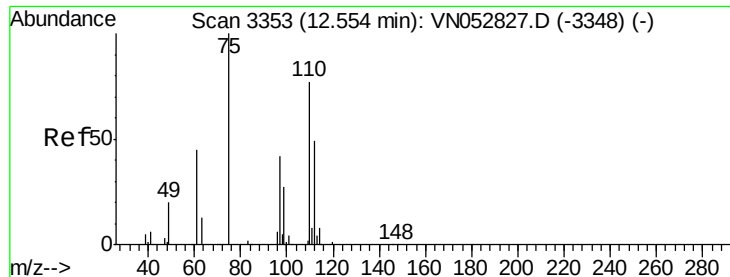


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.684 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052890.D

Acq: 14 Dec 2018 15:54

Instrument :

MSVOA_N

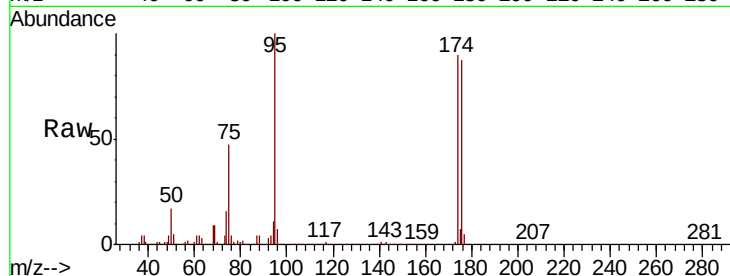
ClientSampled :

Tot Ion: 75 Resp: 368155

Ion Ratio Lower Upper

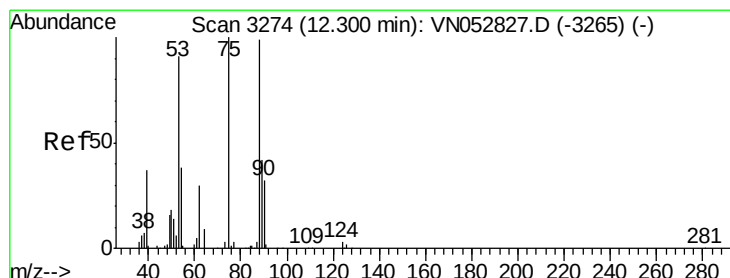
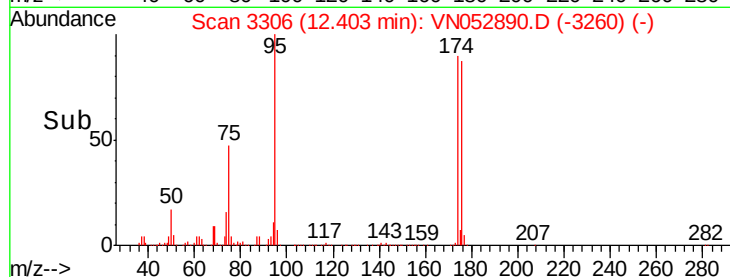
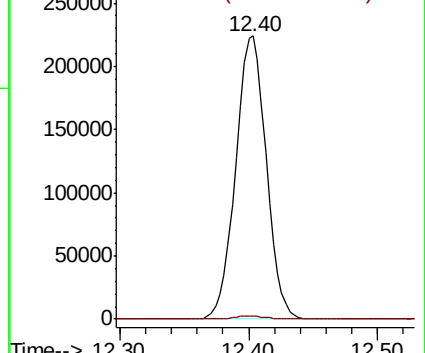
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 117.846 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052890.D

Acq: 14 Dec 2018 15:54

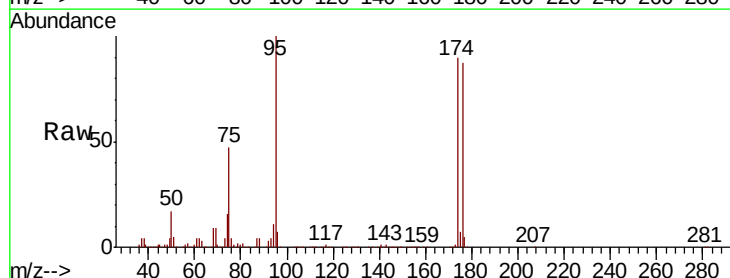
Tgt Ion: 75 Resp: 368155

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

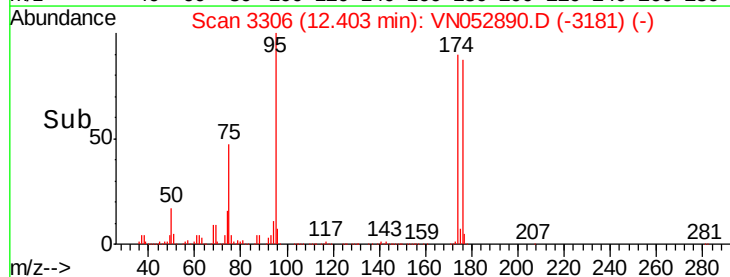
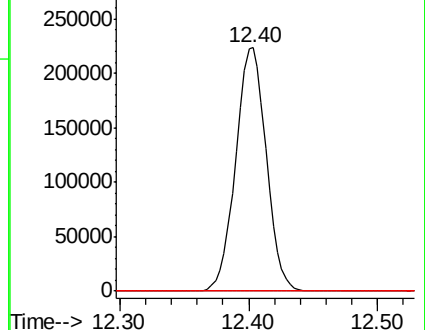
89 0.0 36.1 54.1#

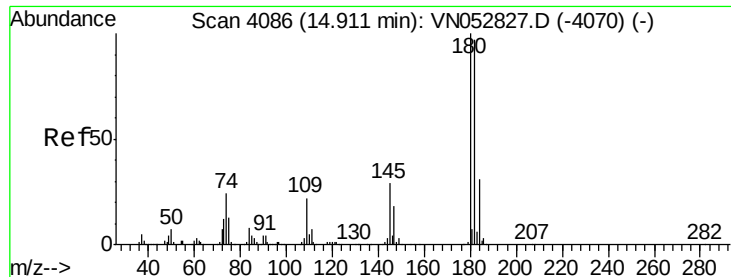


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

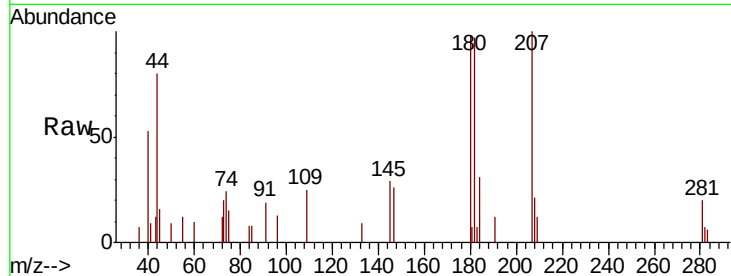




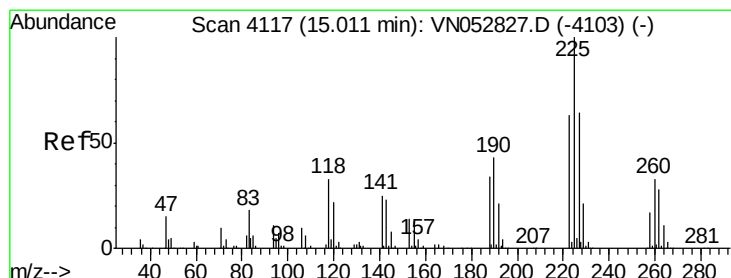
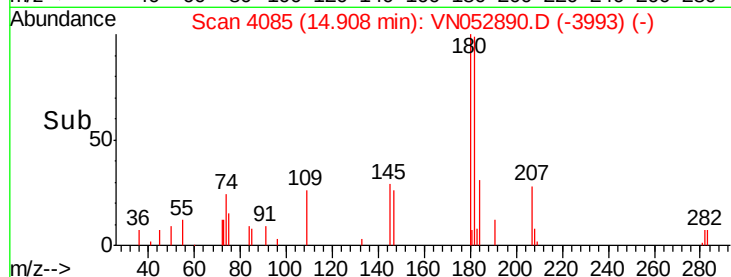
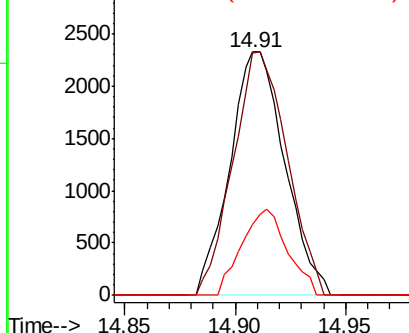
#93
 1,2,4-Trichlorobenzene
 Concen: 0.336 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052890.D
 Acq: 14 Dec 2018 15:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 4032
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.8 143.3
 145 29.5 14.2 42.6

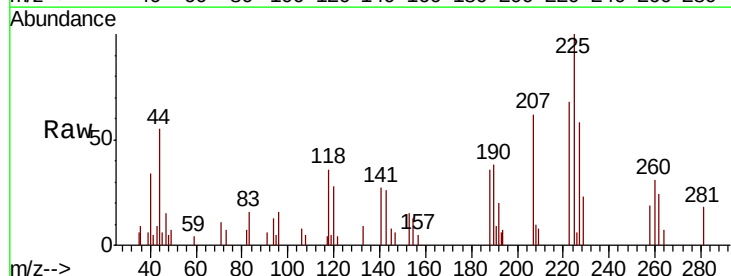


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

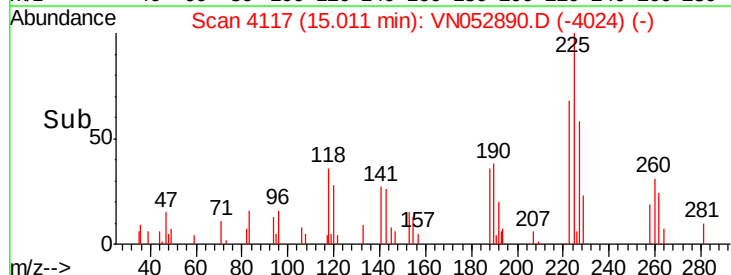
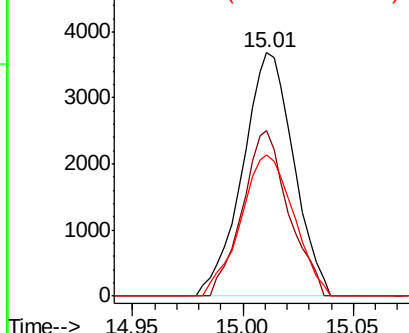


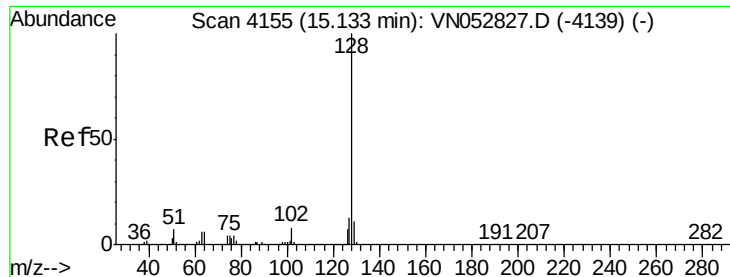
#94
 Hexachlorobutadiene
 Concen: 0.849 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052890.D
 Acq: 14 Dec 2018 15:54

Tgt Ion:225 Resp: 5900
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.5 94.5
 227 60.4 31.9 95.7



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

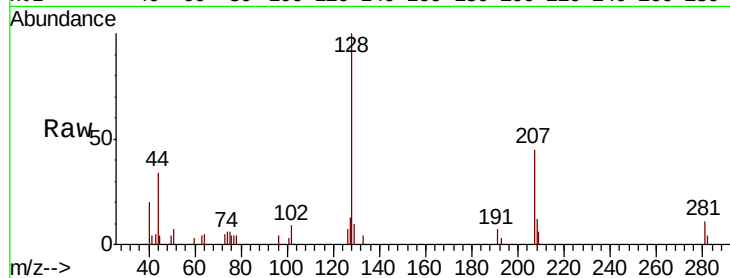




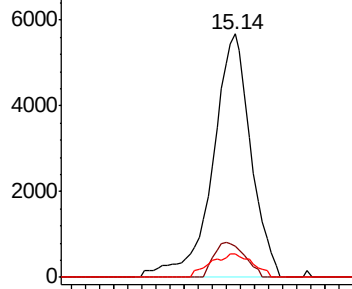
#95
Naphthalene
Concen: 0.425 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052890.D
Acq: 14 Dec 2018 15:54

Instrument :
MSVOA_N
ClientSampled :

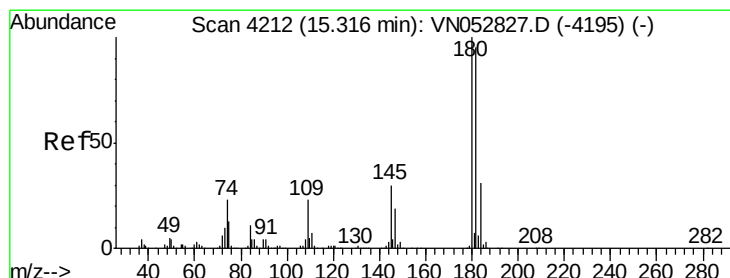
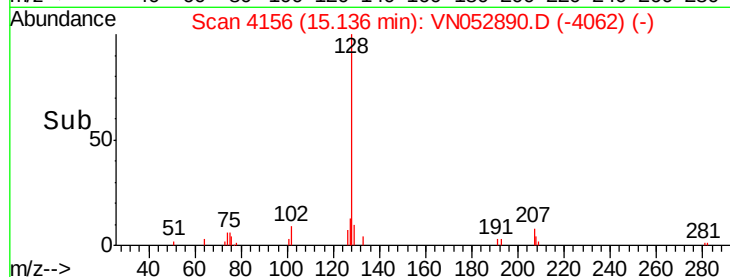
Tot Ion:128 Resp: 10564
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.4
129 10.7 8.6 13.0



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

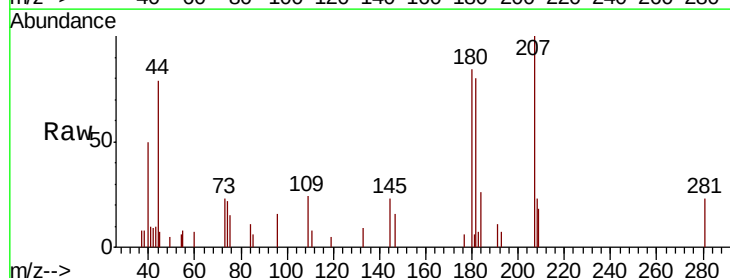


Time-->

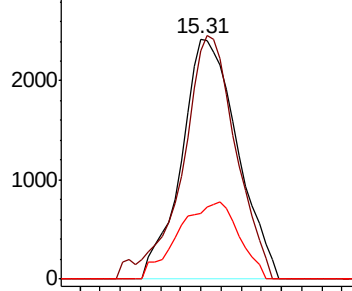


#96
1,2,3-Trichlorobenzene
Concen: 0.424 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.01 min
Lab File: VN052890.D
Acq: 14 Dec 2018 15:54

Tgt Ion:180 Resp: 4674
Ion Ratio Lower Upper
180 100
182 96.9 47.9 143.7
145 34.9 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



Time-->

