

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052736.D
 Acq On : 7 Dec 2018 19:24
 Operator : MD\SY
 Sample : J6019-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Dec 07 22:22:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1113594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1730068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1535485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	707469	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	598631	49.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	476551	44.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.36%	
50) Toluene-d8	10.09	98	2126774	51.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	709032	50.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.64%	

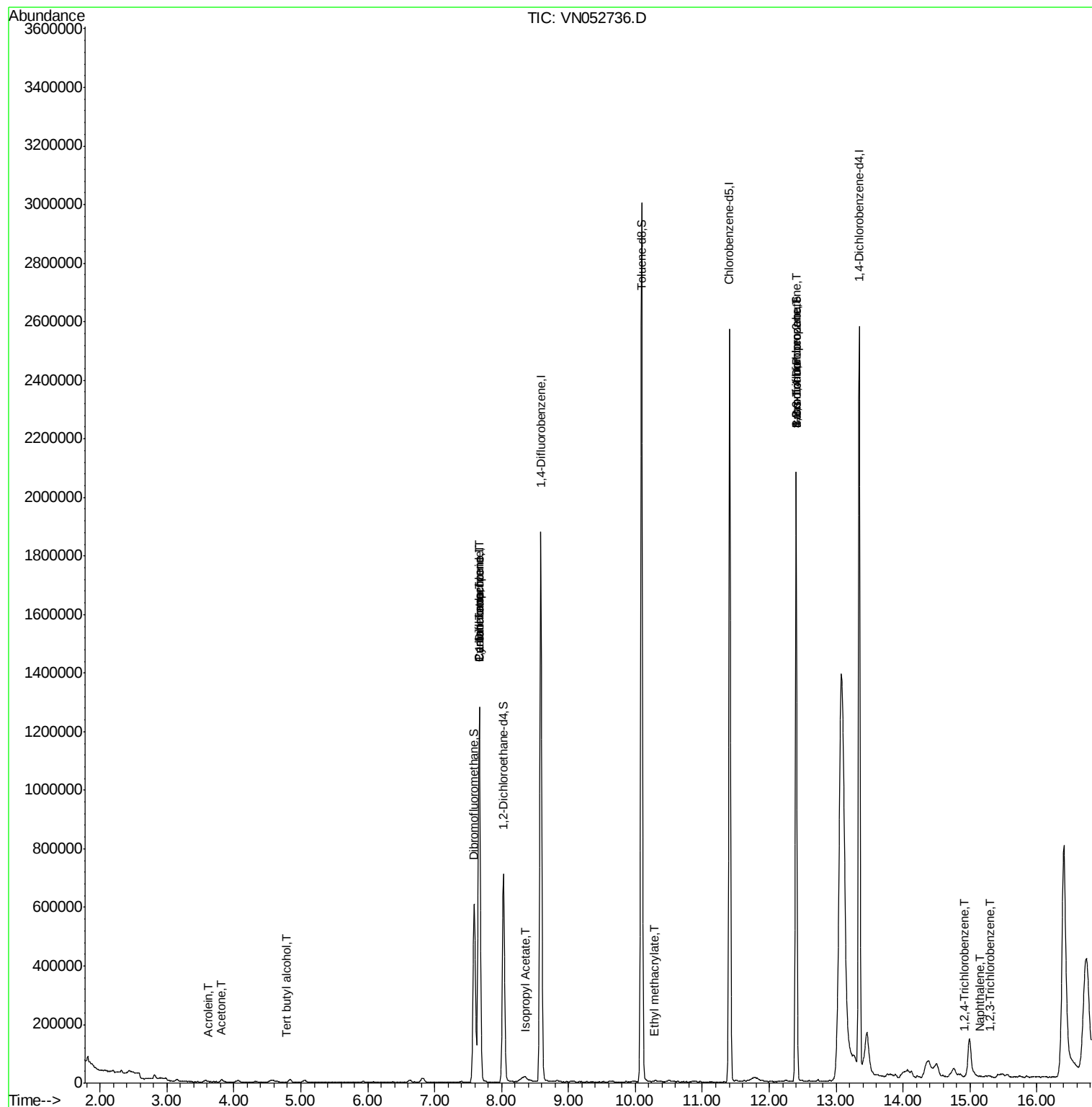
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	148	0.244	ug/l #	73
13) Acrolein	3.62	56	972	0.921	ug/l #	14
16) Acetone	3.82	43	11971	3.743	ug/l	94
31) Cyclohexane	7.67	56	21703	0.679	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	78354	4.796	ug/l #	49
38) Carbon Tetrachloride	7.67	117	97745	6.609	ug/l #	17
43) Isopropyl Acetate	8.34	43	25408	1.506	ug/l #	51
56) Ethyl methacrylate	10.27	69	69	2.698	ug/l #	1
71) Bromoform	12.40	173	4418	0.606	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	338900	31.064	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	338900	103.741	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.92	180	403	2.860	ug/l #	29
95) Naphthalene	15.13	128	1029	3.464	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.32	180	263	2.748	ug/l #	41

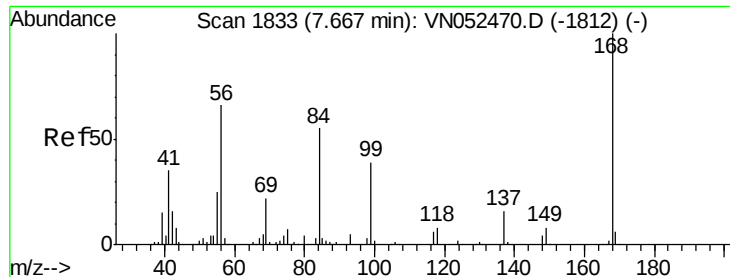
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 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: VN052736.D

Acq: 7 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampled :

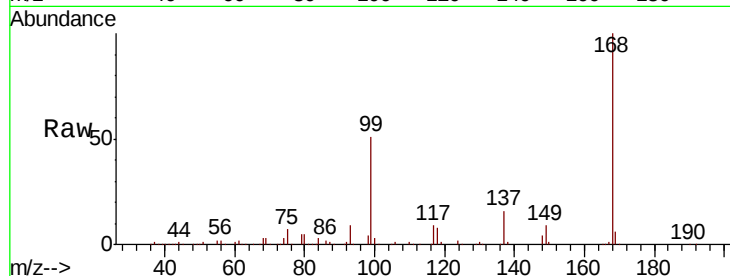
MW-1

Tot Ion:168 Resp: 1113594

Ion Ratio Lower Upper

168 100

99 51.4 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052736.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052736.D (-1740) (-)

7.67

500000

400000

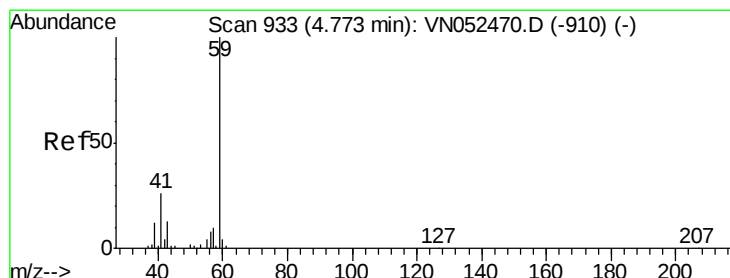
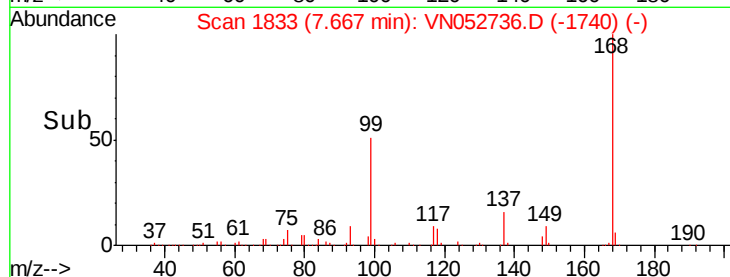
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.244 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN052736.D

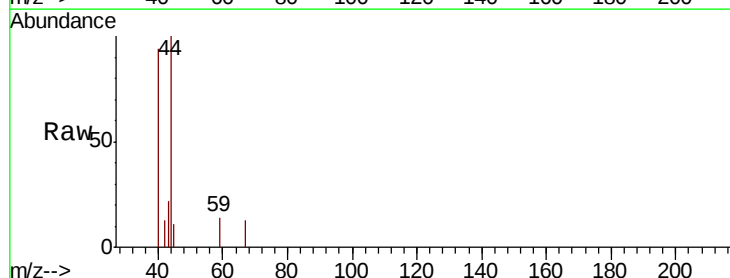
Acq: 7 Dec 2018 19:24

Tgt Ion: 59 Resp: 148

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN052736.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN052736.D (-840) (-)

4.78

200

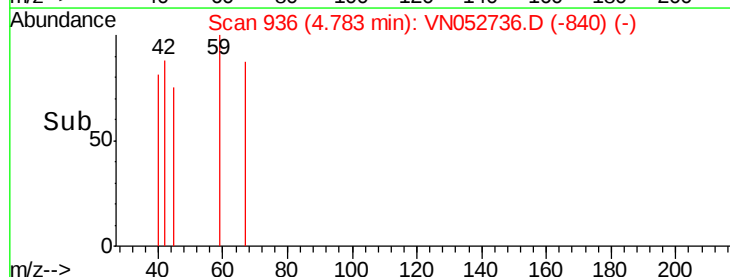
150

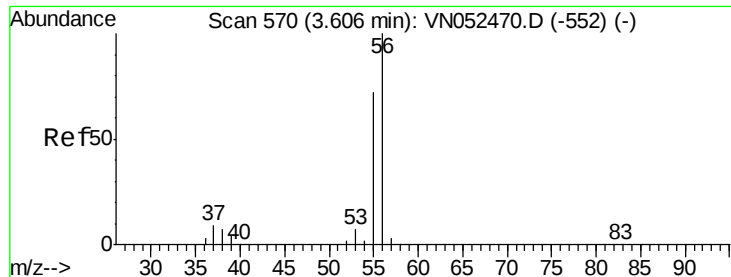
100

50

0

Time-->





#13

Acrolein

Concen: 0.921 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampled :

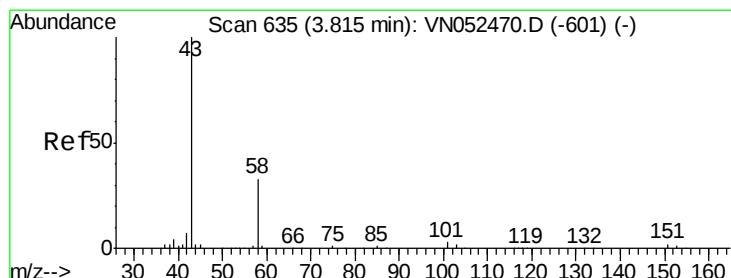
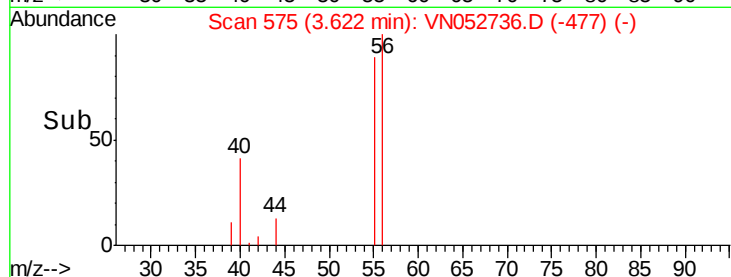
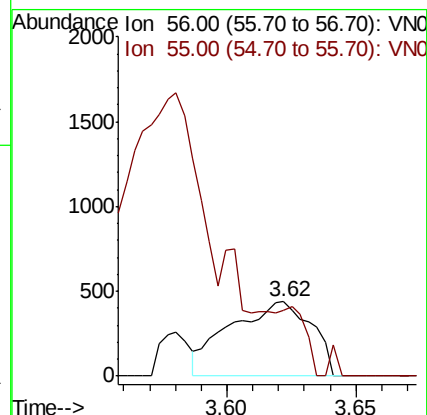
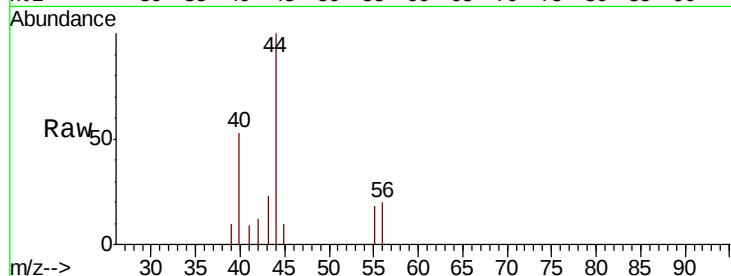
MW-1

Tot Ion: 56 Resp: 972

Ion Ratio Lower Upper

56 100

55 0.0 56.8 85.2#



#16

Acetone

Concen: 3.743 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052736.D

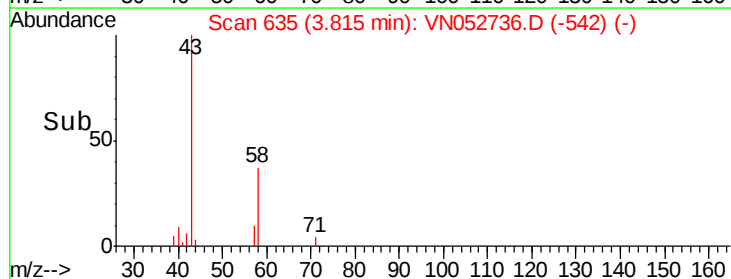
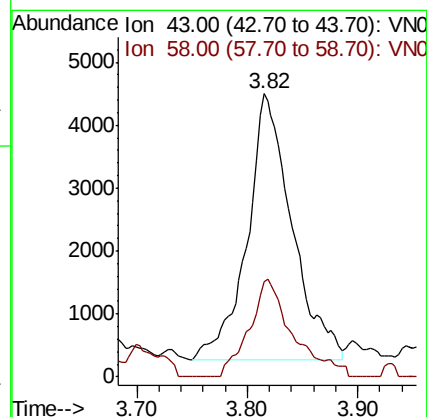
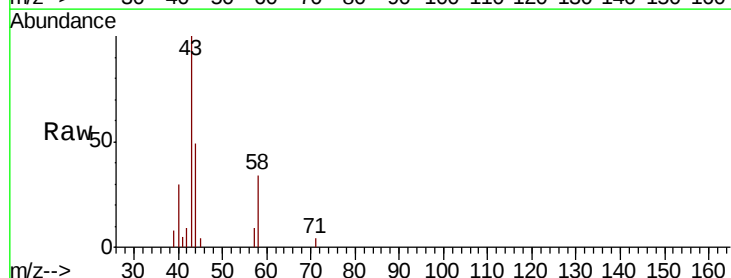
Acq: 7 Dec 2018 19:24

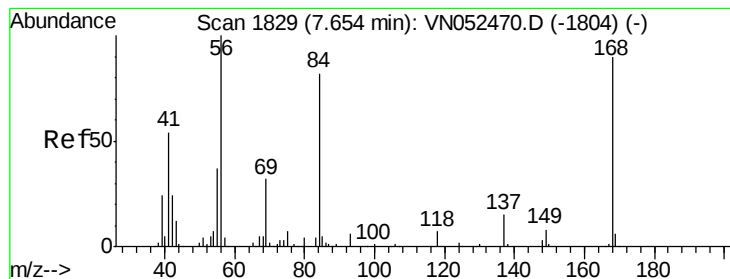
Tgt Ion: 43 Resp: 11971

Ion Ratio Lower Upper

43 100

58 35.6 26.0 39.0





#31

Cyclohexane

Concen: 0.679 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1

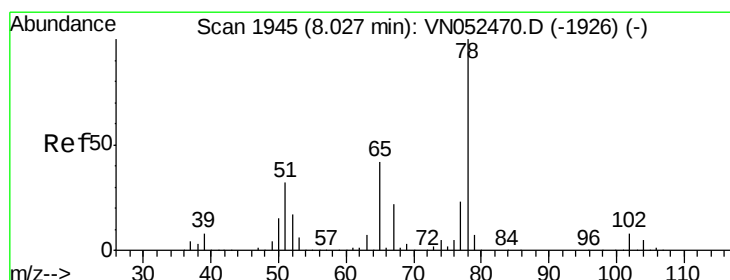
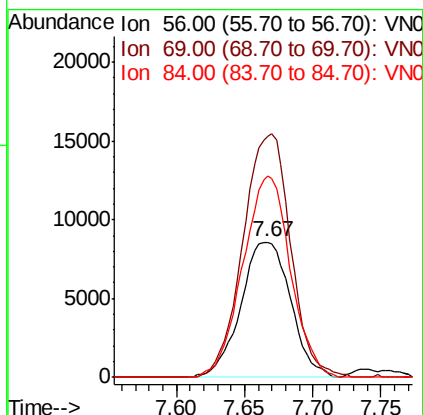
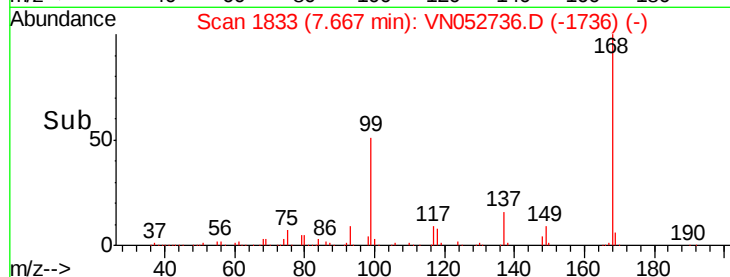
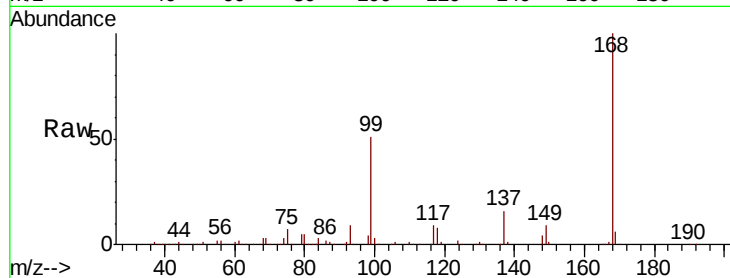
Tot Ion: 56 Resp: 21703

Ion Ratio Lower Upper

56 100

69 178.7 25.8 38.6#

84 149.2 65.3 97.9#



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052736.D

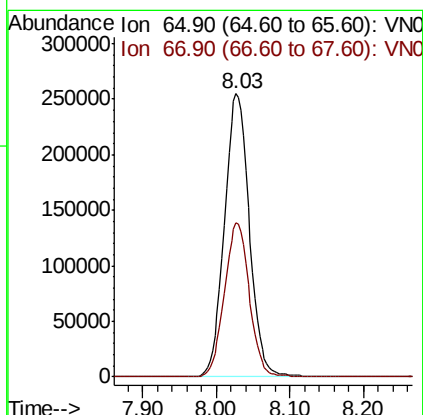
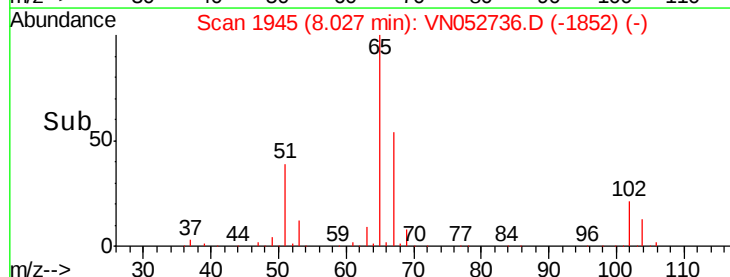
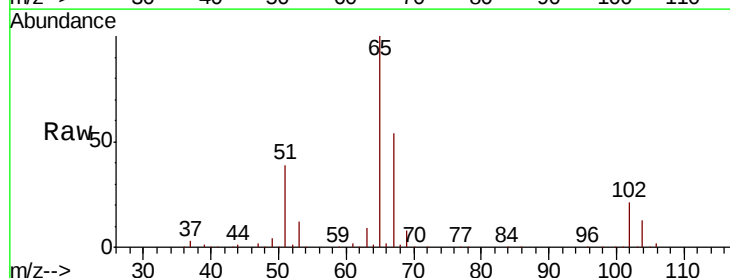
Acq: 7 Dec 2018 19:24

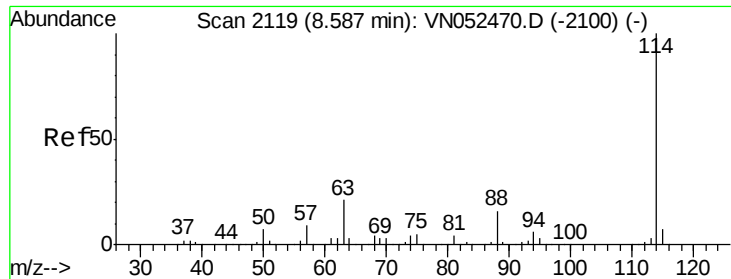
Tgt Ion: 65 Resp: 598631

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.8

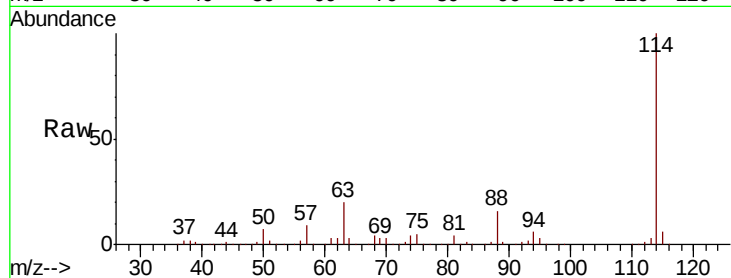




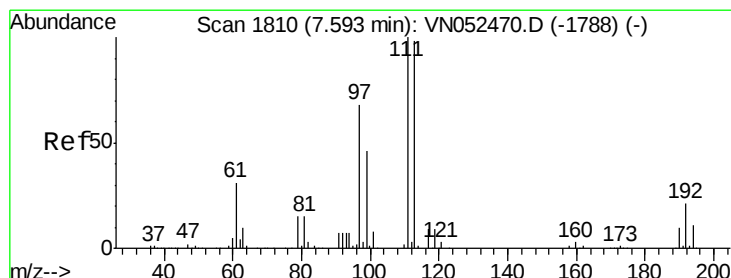
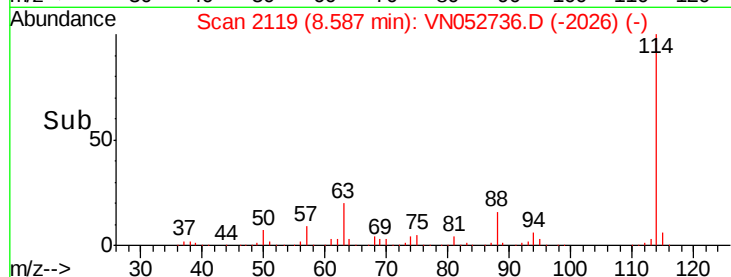
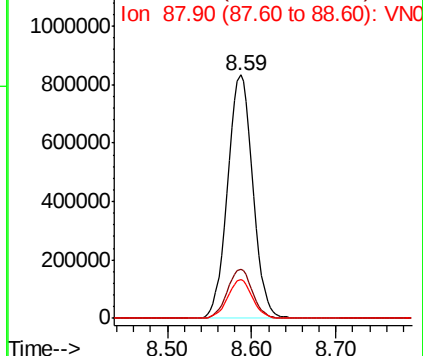
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052736.D
 Acq: 7 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion:114 Resp: 1730068
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 15.7 0.0 31.6

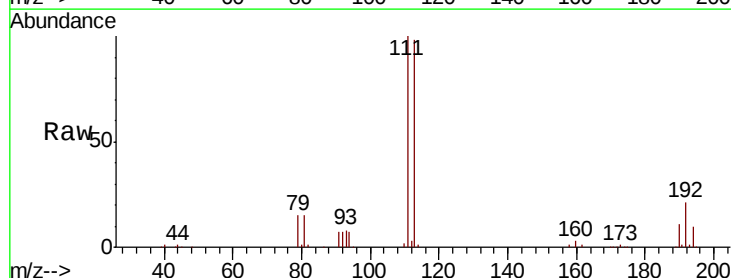


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

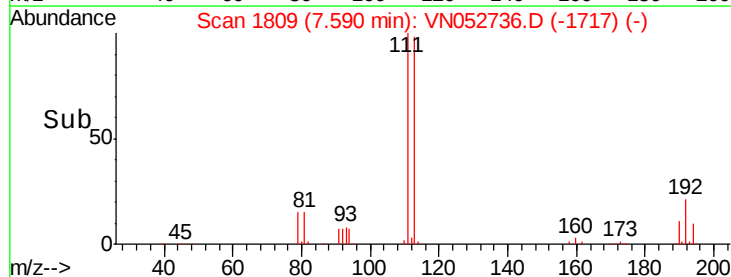
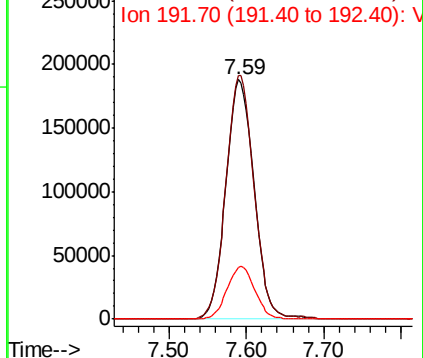


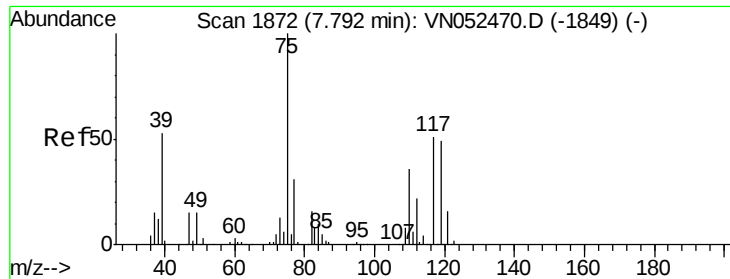
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052736.D
 Acq: 7 Dec 2018 19:24

Tgt Ion:113 Resp: 476551
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.0 123.0
 192 21.7 17.0 25.6



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

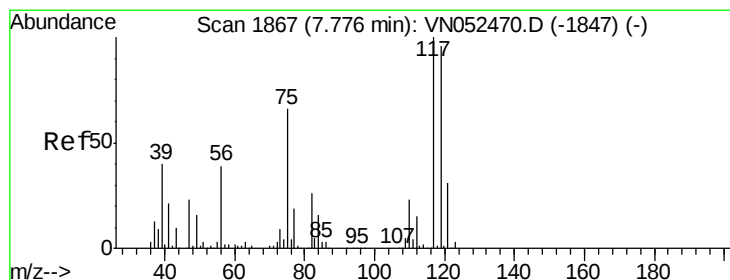
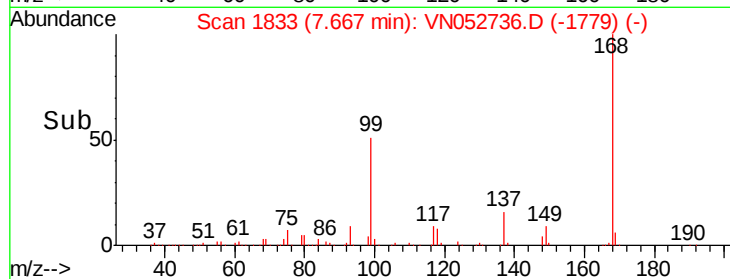
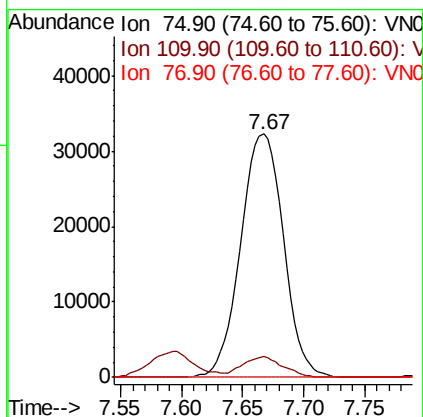
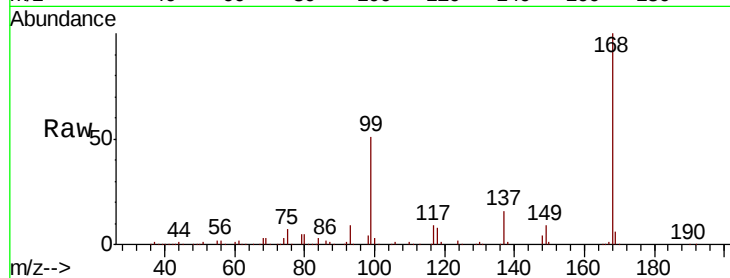




#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052736.D
 Acq: 7 Dec 2018 19:24

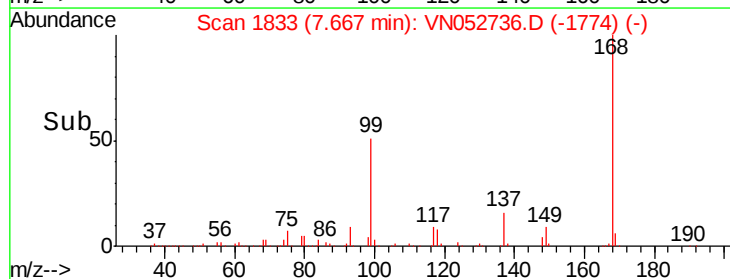
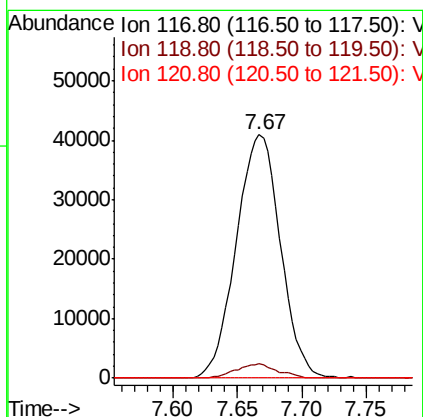
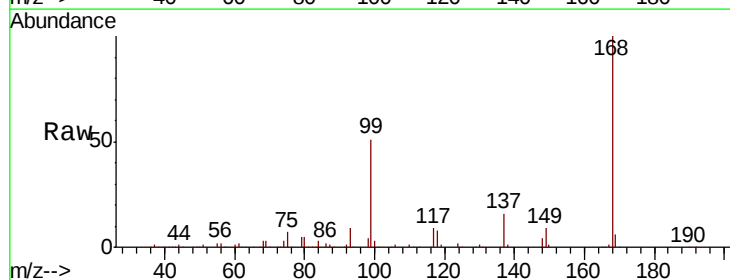
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

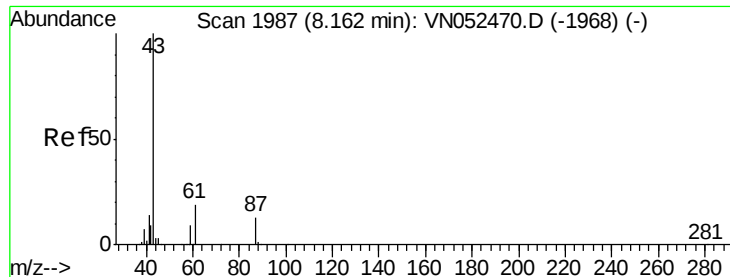
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.609 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052736.D
 Acq: 7 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 1.506 ug/l

RT: 8.34 min Scan# 2043

Delta R.T. 0.18 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1

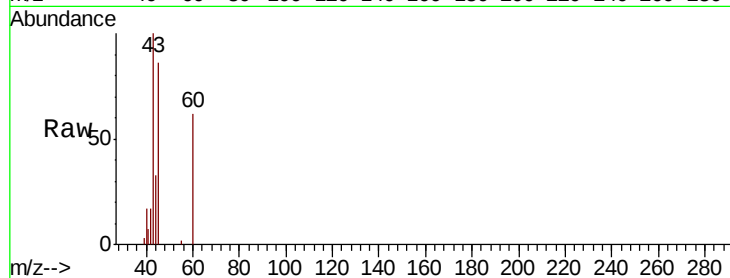
Tot Ion: 43 Resp: 25408

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

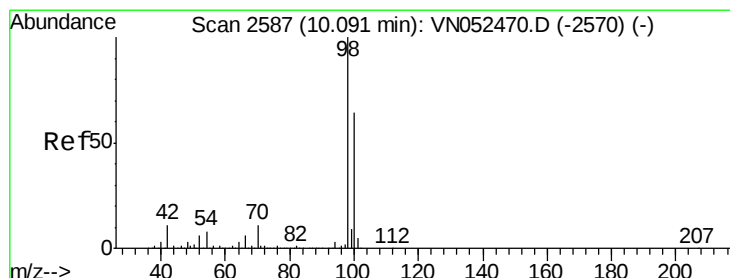
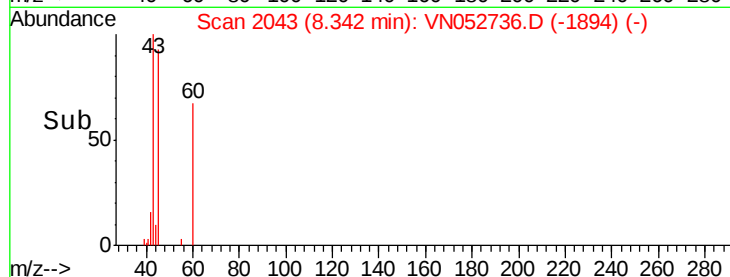
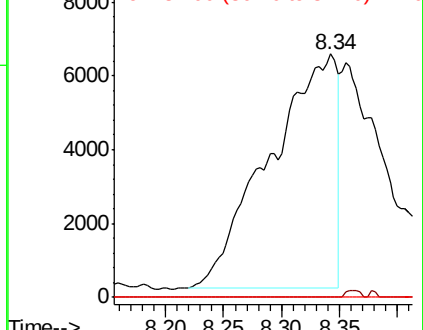
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052736.D (-2043) (-)

Ion 61.00 (60.70 to 61.70): VN052736.D (-2043) (-)

Ion 87.00 (86.70 to 87.70): VN052736.D (-2043) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052736.D

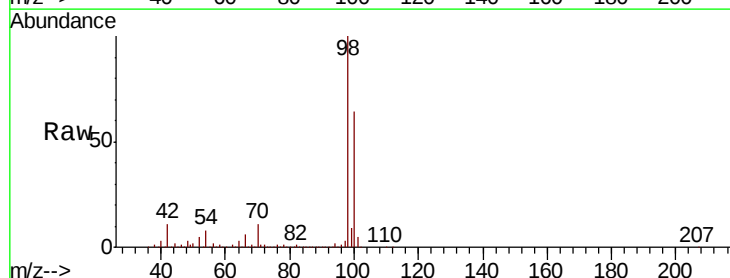
Acq: 7 Dec 2018 19:24

Tgt Ion: 98 Resp: 2126774

Ion Ratio Lower Upper

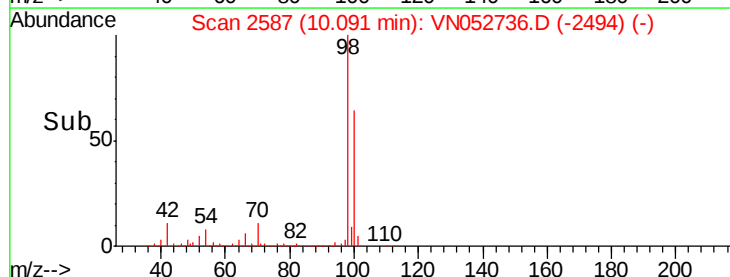
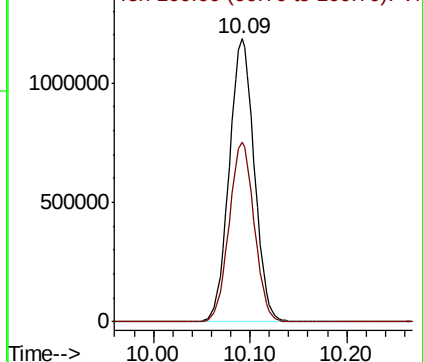
98 100

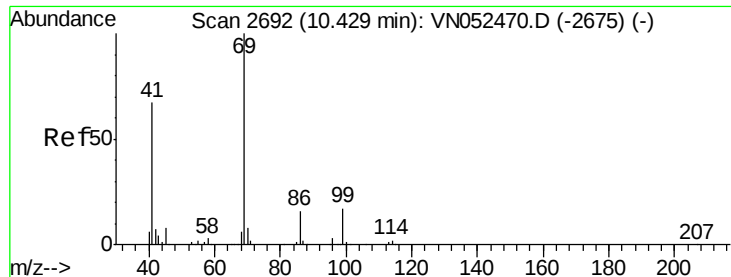
100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052736.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN052736.D (-2587) (-)





#56

Ethyl methacrylate

Concen: 2.698 ug/l

RT: 10.27 min Scan# 2643

Delta R.T. -0.16 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

MW-1

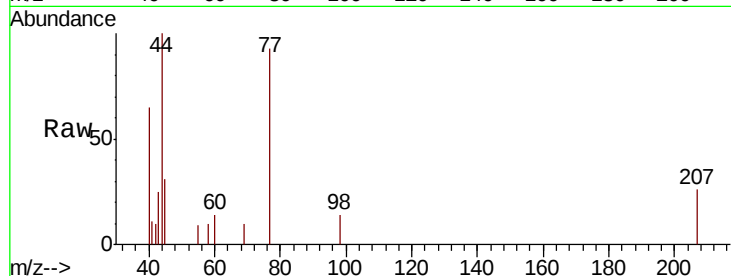
Tot Ion: 69 Resp: 69

Ion Ratio Lower Upper

69 100

41 297.1 52.6 79.0#

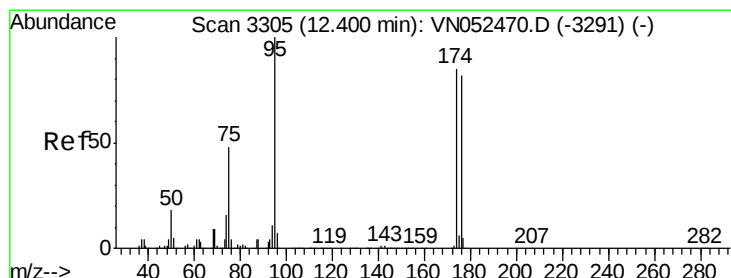
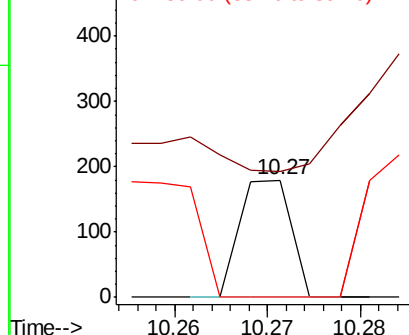
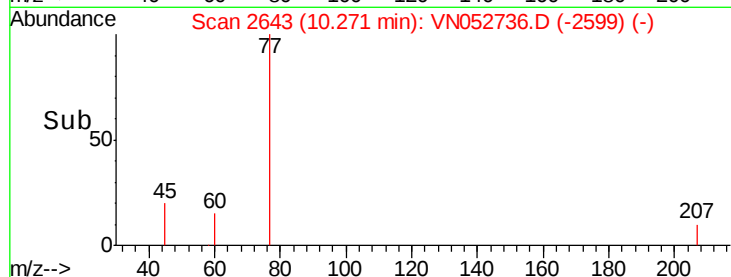
39 169.6 25.9 38.9#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

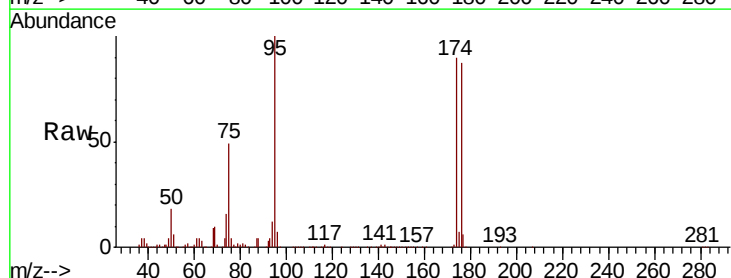
Tgt Ion: 95 Resp: 709032

Ion Ratio Lower Upper

95 100

174 88.7 0.0 173.0

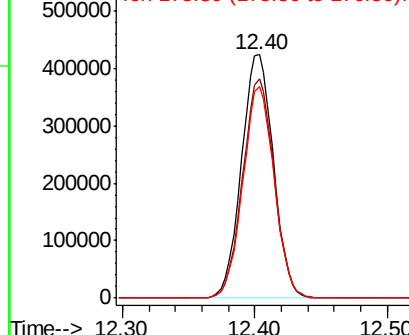
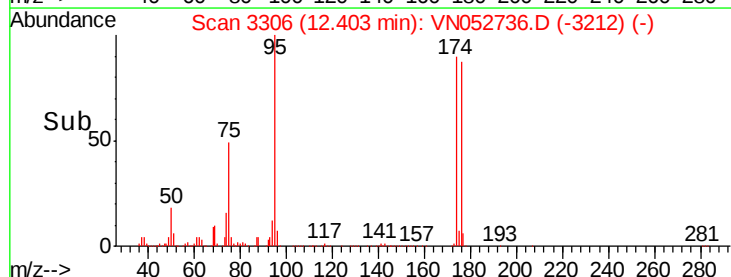
176 85.3 0.0 166.2

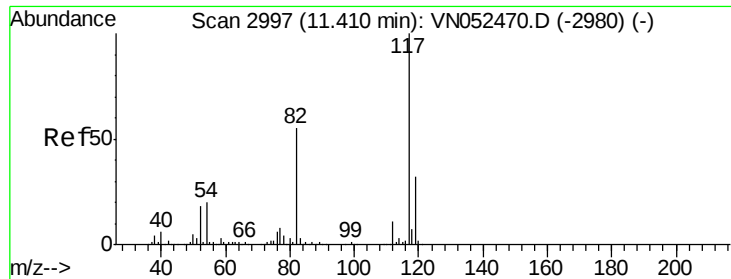


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

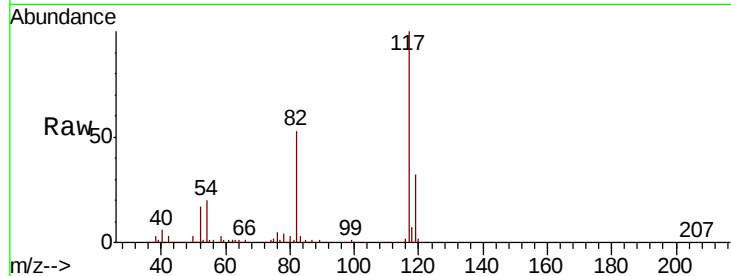




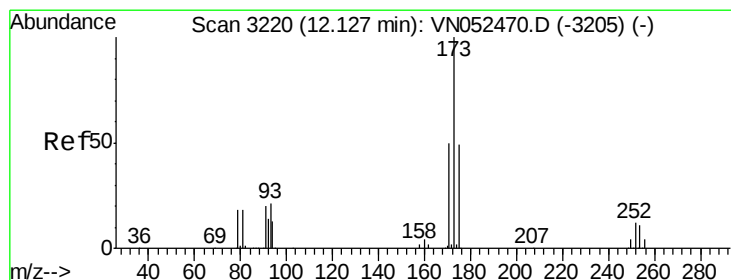
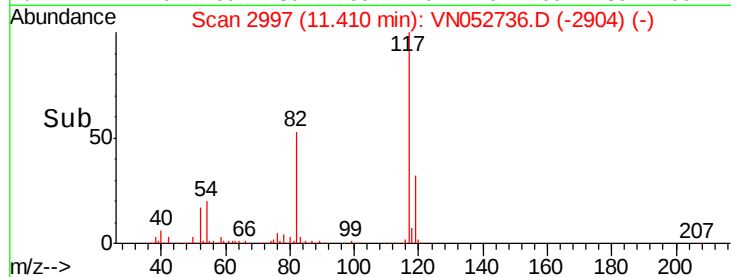
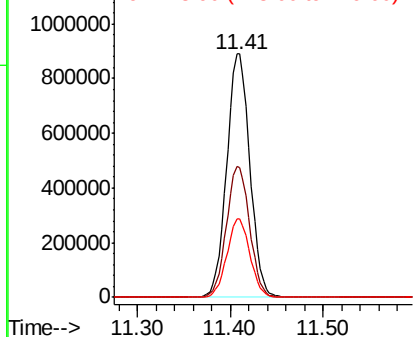
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052736.D
Acq: 7 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion:117 Resp: 1535485
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.1 25.4 38.2

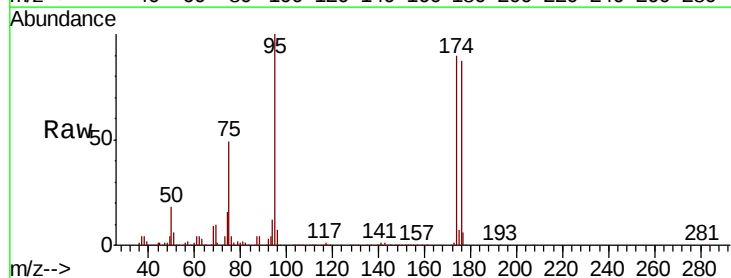


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

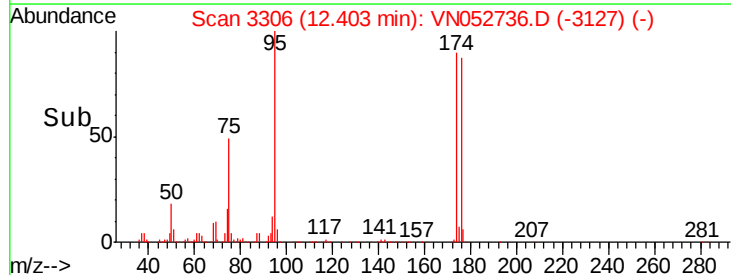
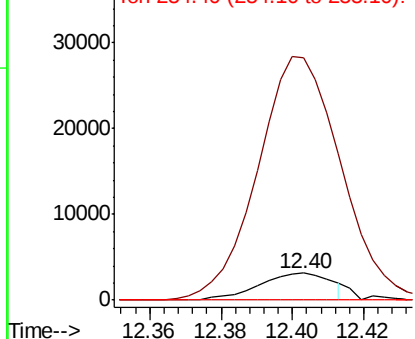


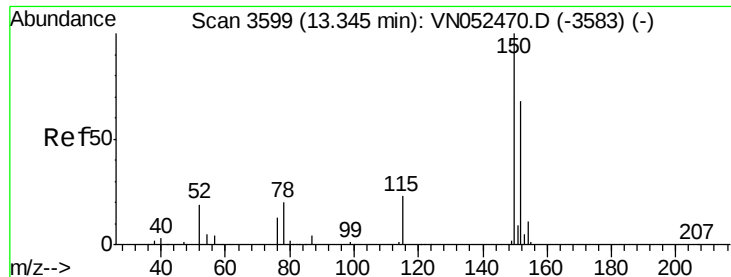
#71
Bromoform
Concen: 0.606 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052736.D
Acq: 7 Dec 2018 19:24

Tgt Ion:173 Resp: 4418
Ion Ratio Lower Upper
173 100
175 903.2 24.4 73.2#
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: VN052736.D

Acq: 7 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampled :

MW-1

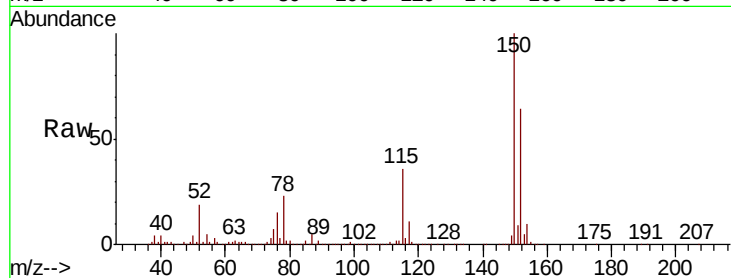
Tot Ion:152 Resp: 707469

Ion Ratio Lower Upper

152 100

115 56.1 28.4 85.2

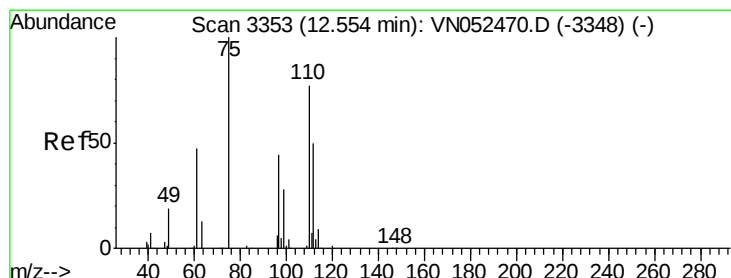
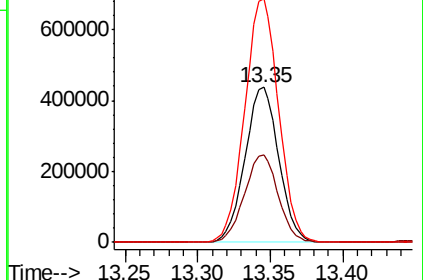
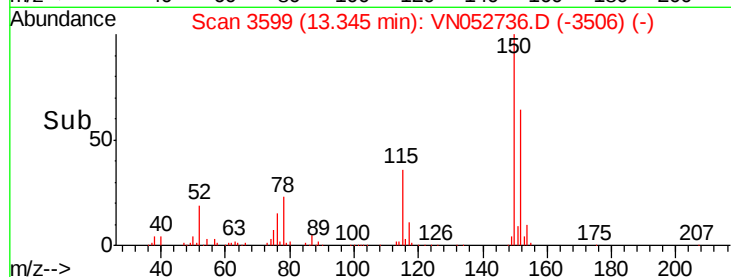
150 157.7 0.0 346.0



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: 31.064 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052736.D

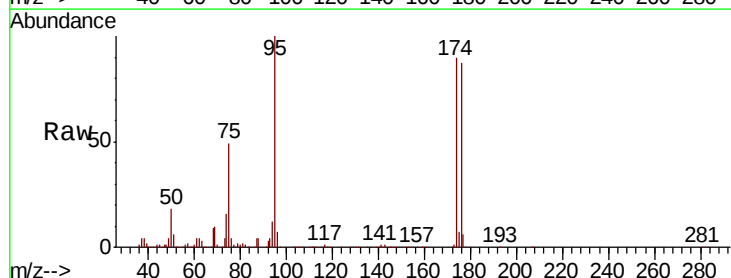
Acq: 7 Dec 2018 19:24

Tgt Ion: 75 Resp: 338900

Ion Ratio Lower Upper

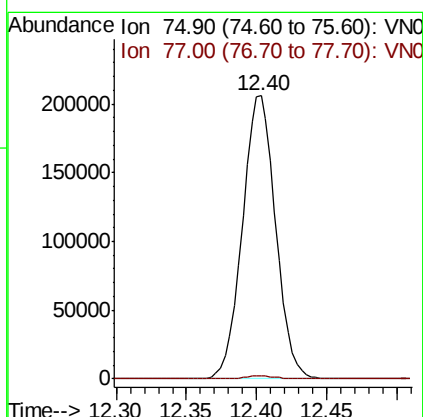
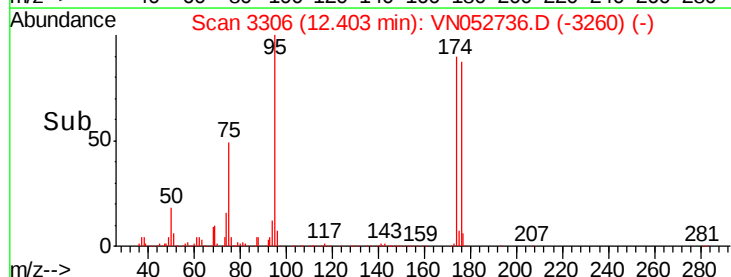
75 100

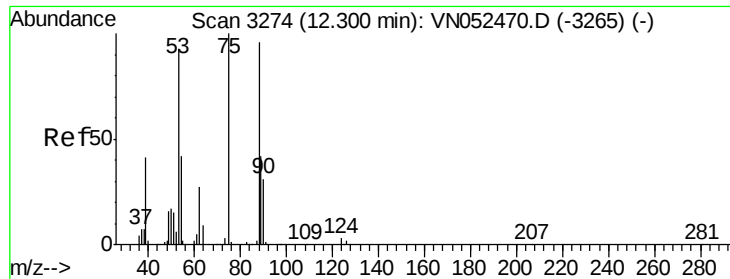
77 1.2 0.0 0.0#



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: 103.741 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampled :

MW-1

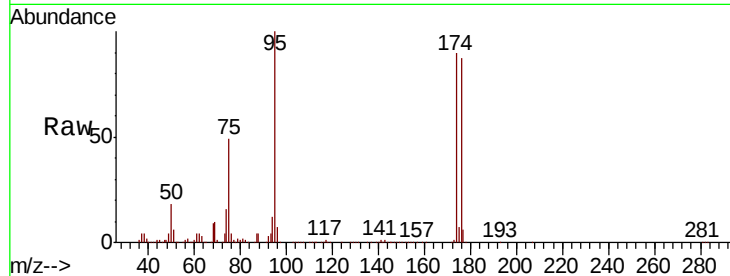
Tot Ion: 75 Resp: 338900

Ion Ratio Lower Upper

75 100

53 0.1 77.4 116.0#

89 0.0 35.4 53.2#

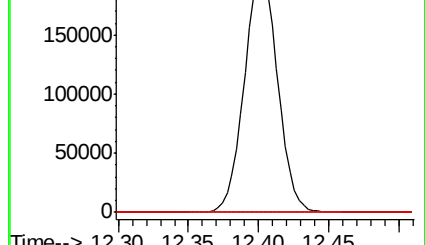


Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

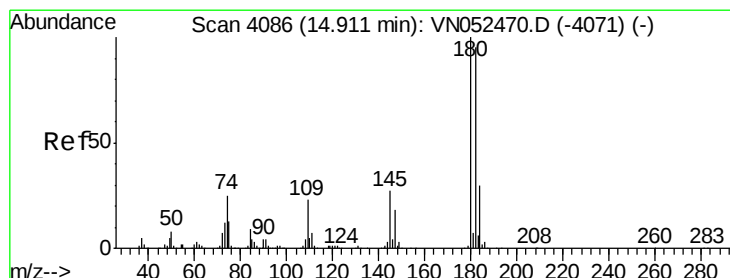
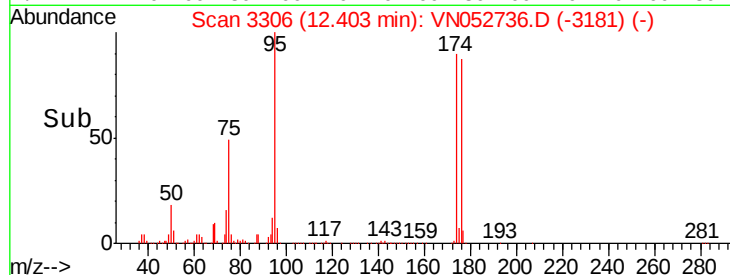
Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)

12.40



Time--> 12.30 12.35 12.40 12.45



#93

1,2,4-Trichlorobenzene

Concen: 2.860 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

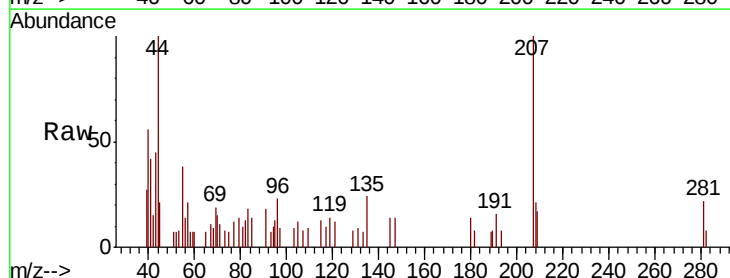
Tgt Ion: 180 Resp: 403

Ion Ratio Lower Upper

180 100

182 78.9 47.8 143.4

145 162.0 14.1 42.3#

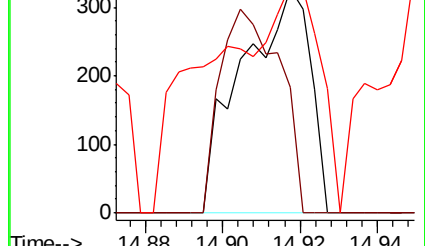


Abundance Ion 179.80 (179.50 to 180.50): VN052470.D (-4071) (-)

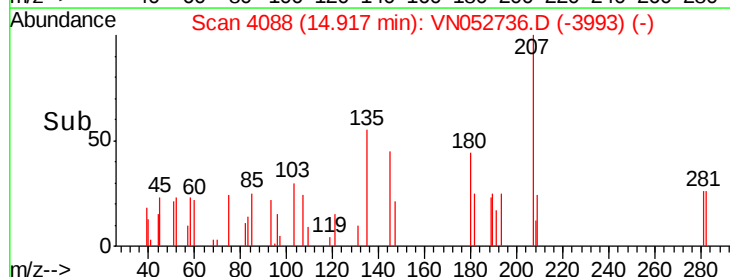
Ion 181.80 (181.50 to 182.50): VN052470.D (-4071) (-)

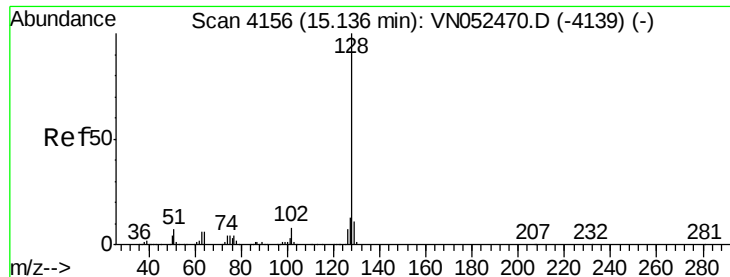
Ion 144.80 (144.50 to 145.50): VN052470.D (-4071) (-)

14.92



Time--> 14.88 14.90 14.92 14.94





#95

Naphthalene

Concen: 3.464 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampled :

MW-1

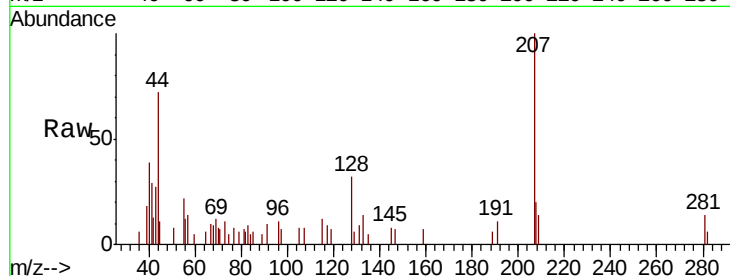
Tot Ion:128 Resp: 1029

Ion Ratio Lower Upper

128 100

127 10.0 10.2 15.2#

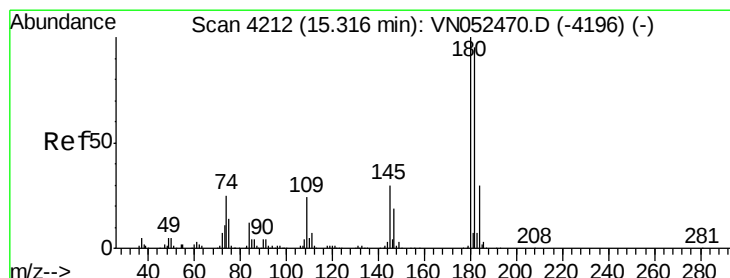
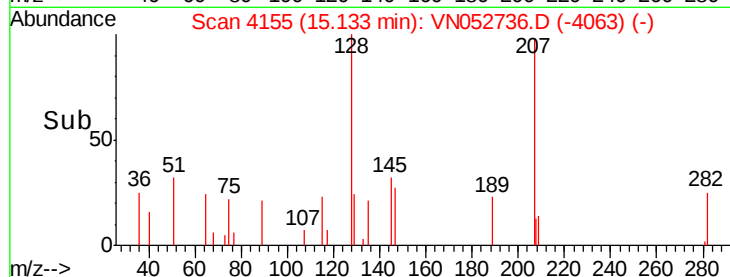
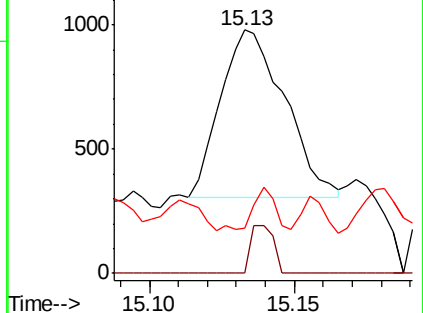
129 27.5 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.748 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052736.D

Acq: 7 Dec 2018 19:24

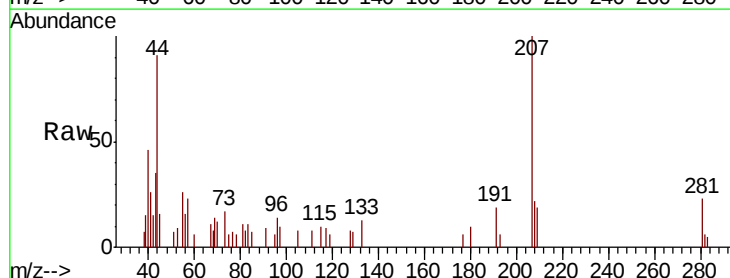
Tgt Ion:180 Resp: 263

Ion Ratio Lower Upper

180 100

182 47.1 47.8 143.3#

145 77.6 15.2 45.5#



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

