

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052729.D
 Acq On : 7 Dec 2018 16:19
 Operator : MD\SY
 Sample : J6214-53
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-5

Quant Time: Dec 07 22:20:53 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

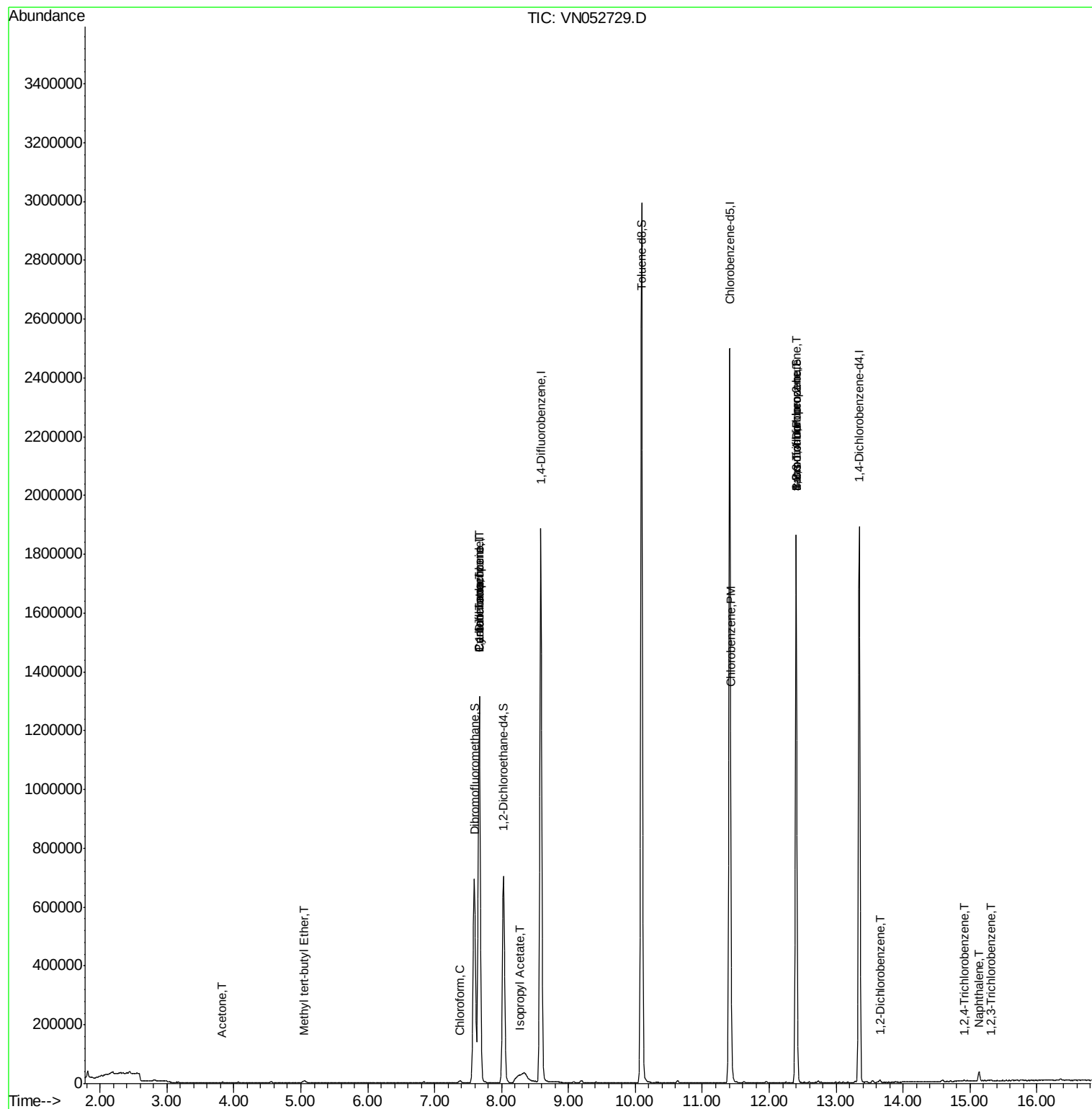
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1126336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1755427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1502729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	533451	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	603059	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	7.59	113	546578	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.02%	
50) Toluene-d8	10.09	98	2119153	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	639590	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	4687	1.449	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	12282	0.438	ug/l	96
30) Chloroform	7.38	83	10364	0.476	ug/l	91
31) Cyclohexane	7.67	56	20860	0.627	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79117	4.773	ug/l #	49
38) Carbon Tetrachloride	7.67	117	100201	6.677	ug/l #	16
43) Isopropyl Acetate	8.28	43	43956	2.567	ug/l #	51
65) Chlorobenzene	11.43	112	58704	1.895	ug/l	96
71) Bromoform	12.40	173	4474	0.627	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	305636	37.154	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	305636	124.078	ug/l #	11
91) 1,2-Dichlorobenzene	13.66	146	4254	0.246	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	1014	2.931	ug/l #	57
95) Naphthalene	15.14	128	28394	4.745	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	854	2.820	ug/l #	58

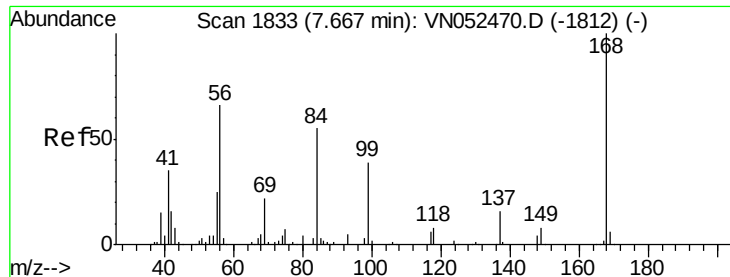
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

Instrument :

MSVOA_N

ClientSampled :

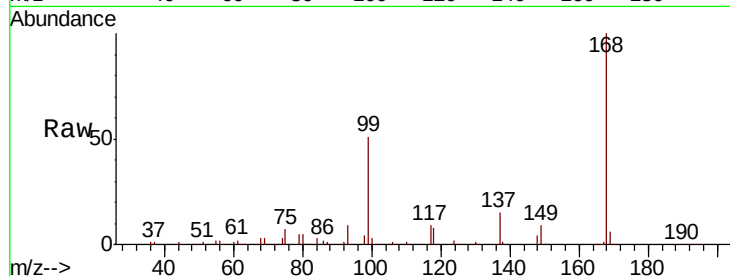
TW-5

Tot Ion:168 Resp: 1126336

Ion Ratio Lower Upper

168 100

99 50.6 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

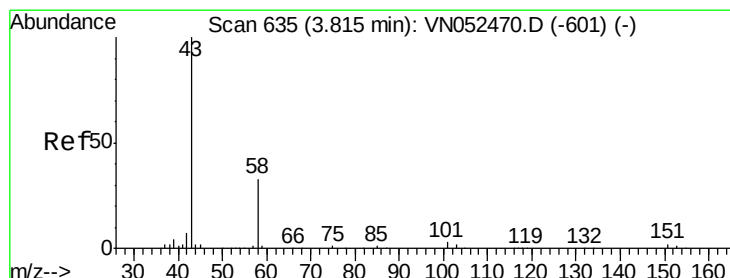
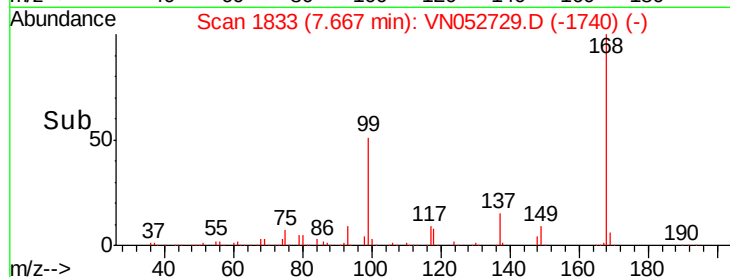
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.449 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052729.D

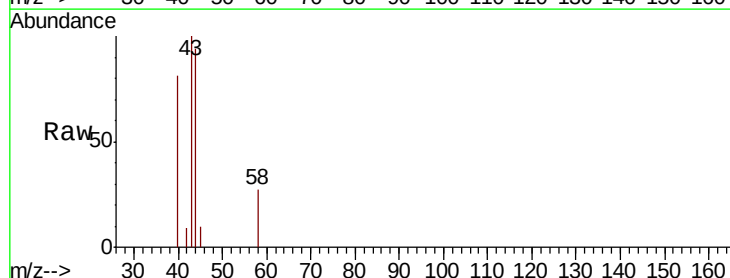
Acq: 7 Dec 2018 16:19

Tgt Ion: 43 Resp: 4687

Ion Ratio Lower Upper

43 100

58 27.2 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

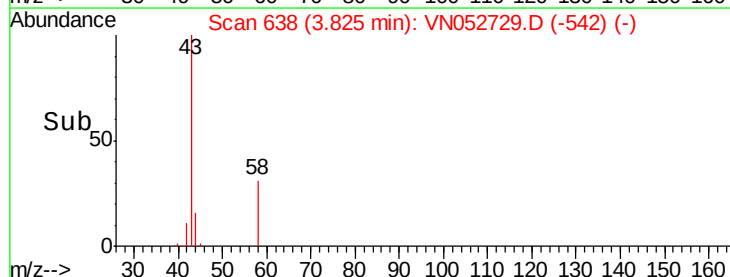
1500

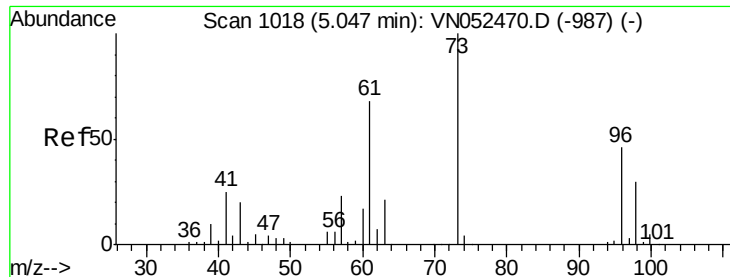
1000

500

0

Time-->

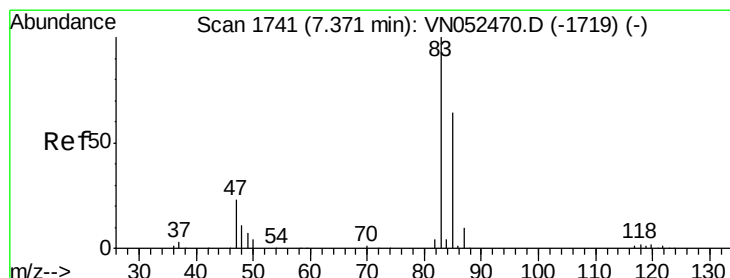
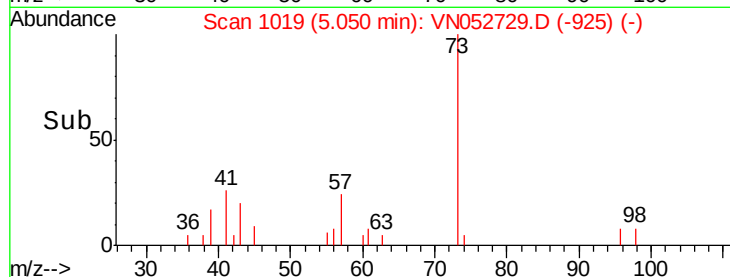
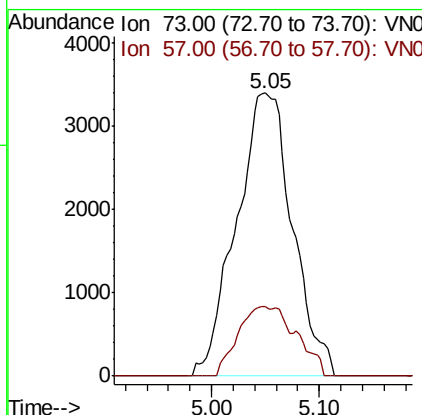
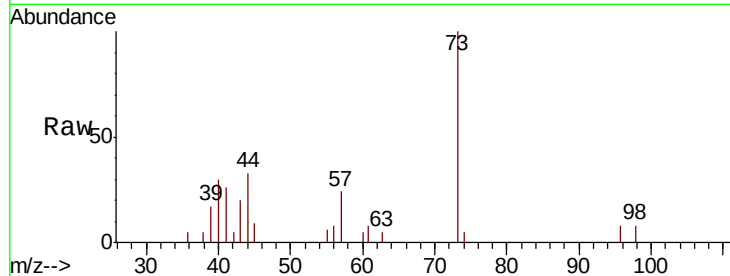




#19
Methyl tert-butyl Ether
Concen: 0.438 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052729.D
Acq: 7 Dec 2018 16:19

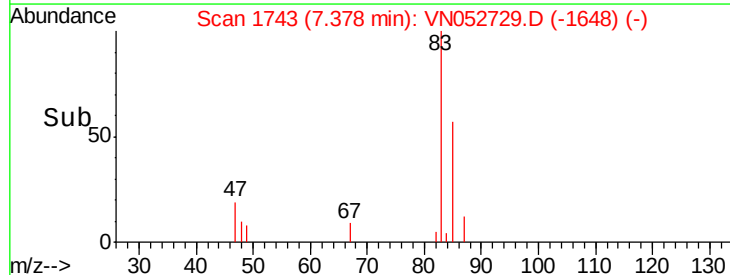
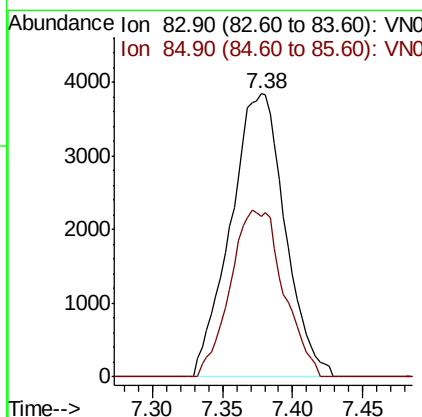
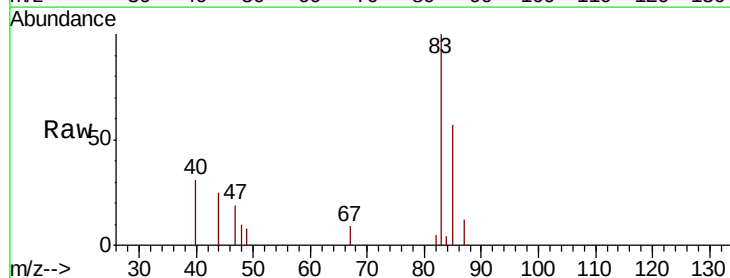
Instrument :
MSVOA_N
ClientSampled :
TW-5

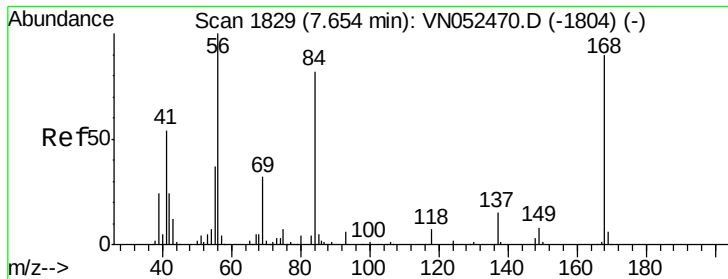
Tot Ion: 73 Resp: 12282
Ion Ratio Lower Upper
73 100
57 24.5 18.2 27.2



#30
Chloroform
Concen: 0.476 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN052729.D
Acq: 7 Dec 2018 16:19

Tgt Ion: 83 Resp: 10364
Ion Ratio Lower Upper
83 100
85 56.5 51.0 76.4

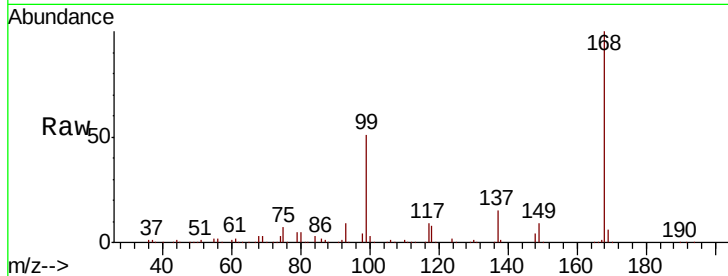




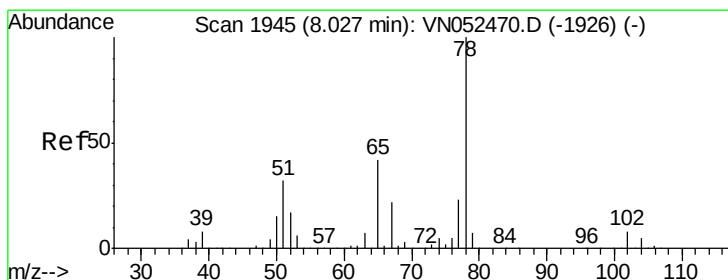
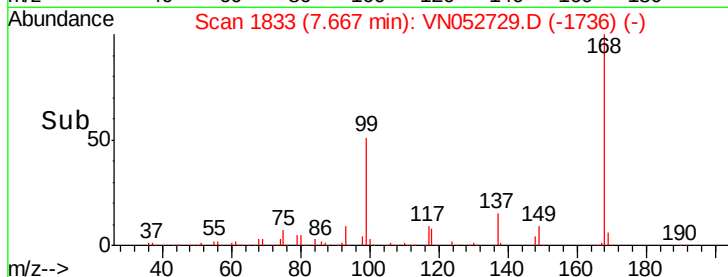
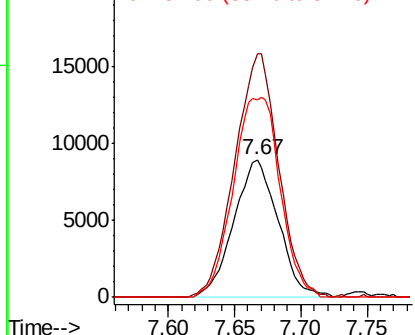
#31
Cyclohexane
Concen: 0.627 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052729.D
Acq: 7 Dec 2018 16:19

Instrument :
MSVOA_N
ClientSampled :
TW-5

Tot Ion: 56 Resp: 20860
Ion Ratio Lower Upper
56 100
69 177.0 25.8 38.6#
84 143.9 65.3 97.9#

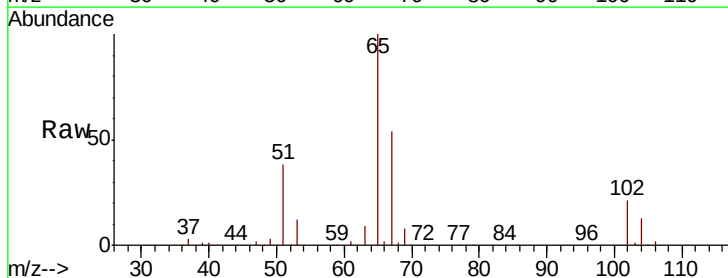


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

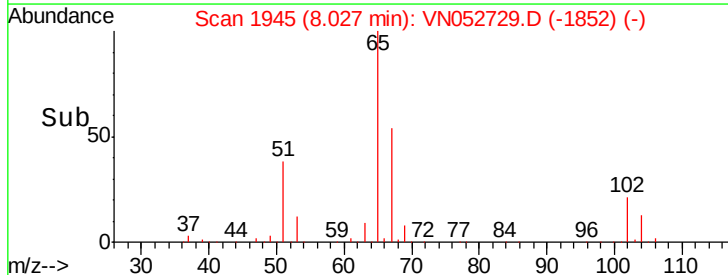
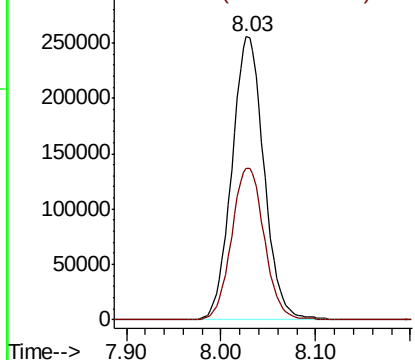


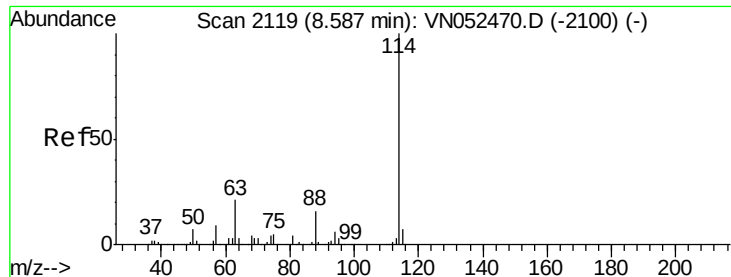
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052729.D
Acq: 7 Dec 2018 16:19

Tgt Ion: 65 Resp: 603059
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.8



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

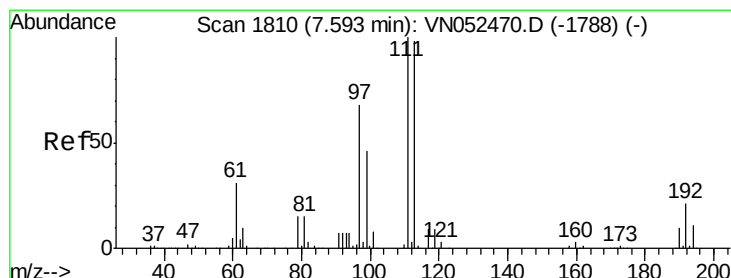
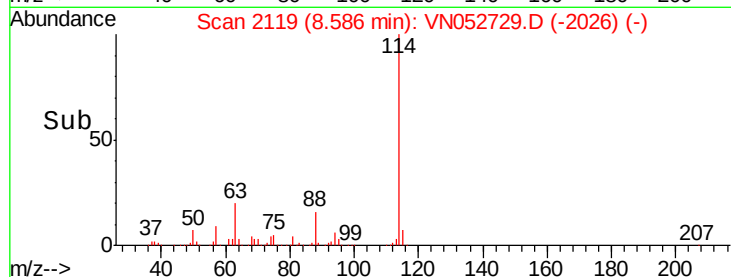
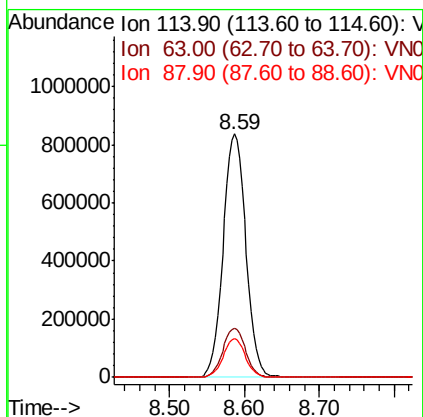
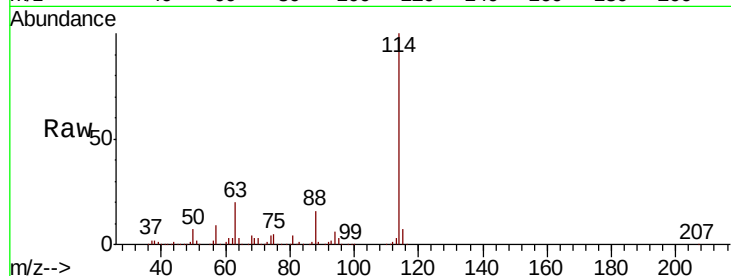




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052729.D
 Acq: 7 Dec 2018 16:19

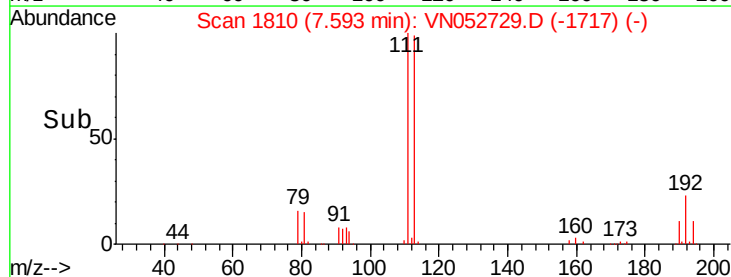
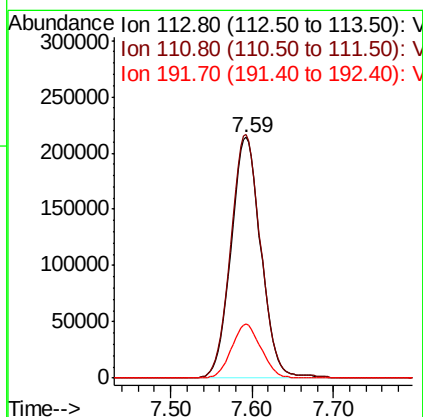
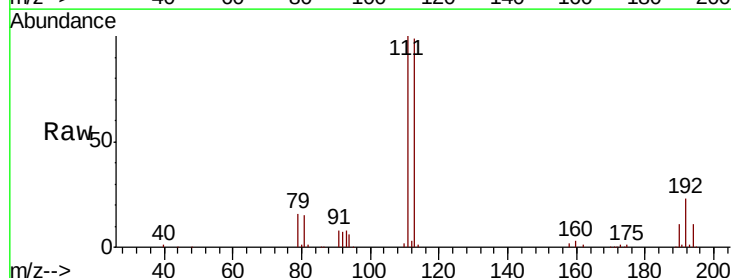
Instrument :
 MSVOA_N
 ClientSampled :
 TW-5

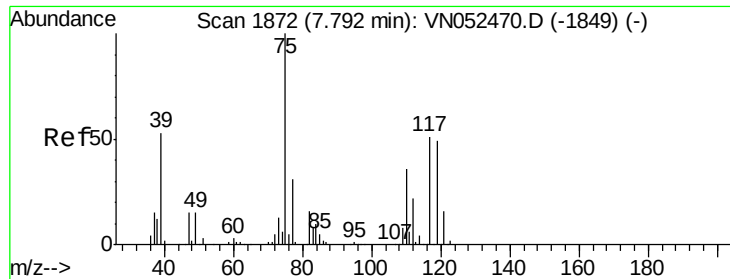
Tot Ion:114 Resp: 1755427
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.8 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052729.D
 Acq: 7 Dec 2018 16:19

Tgt Ion:113 Resp: 546578
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 22.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

Instrument :

MSVOA_N

ClientSampled :

TW-5

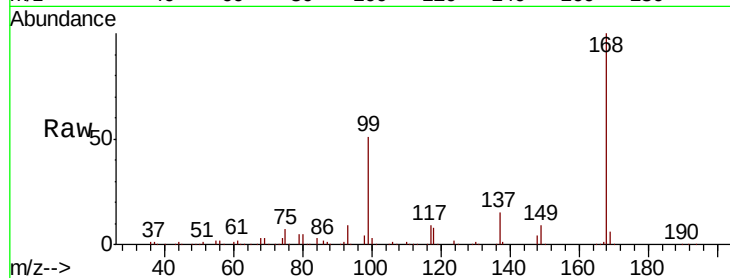
Tot Ion: 75 Resp: 79117

Ion Ratio Lower Upper

75 100

110 8.2 17.5 52.6#

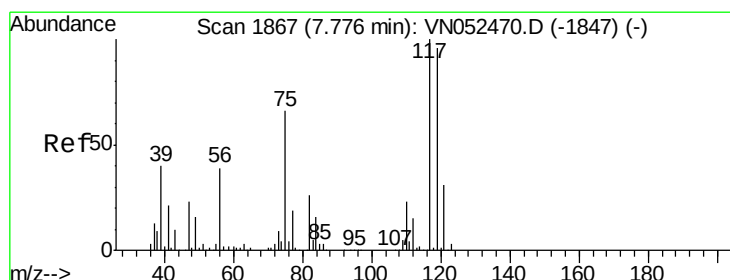
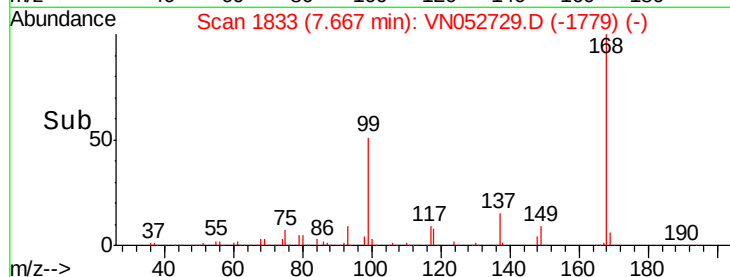
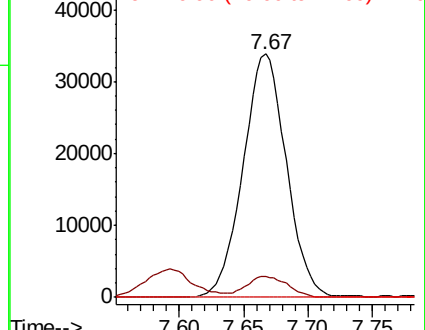
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN052729.D (-1774) (-)

Ion 109.90 (109.60 to 110.60): VN052729.D (-1774) (-)

Ion 76.90 (76.60 to 77.60): VN052729.D (-1774) (-)



#38

Carbon Tetrachloride

Concen: 6.677 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

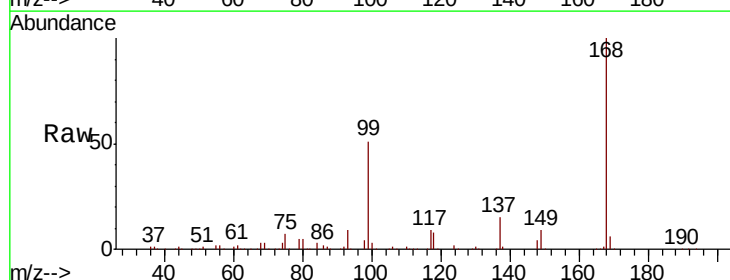
Tgt Ion: 117 Resp: 100201

Ion Ratio Lower Upper

117 100

119 5.3 76.8 115.2#

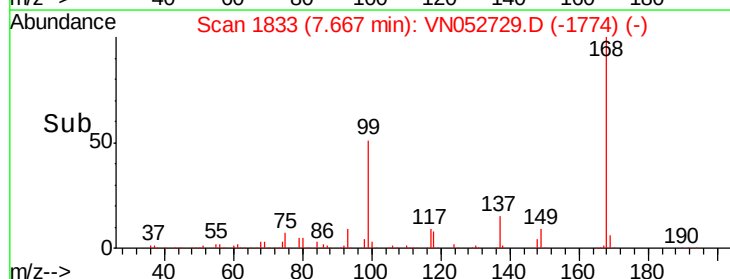
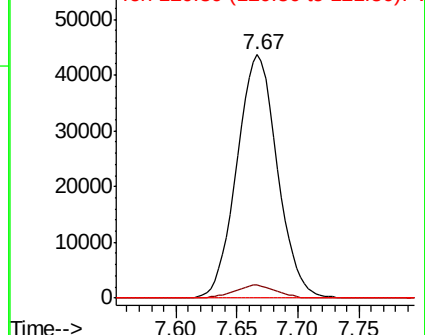
121 0.0 24.9 37.3#

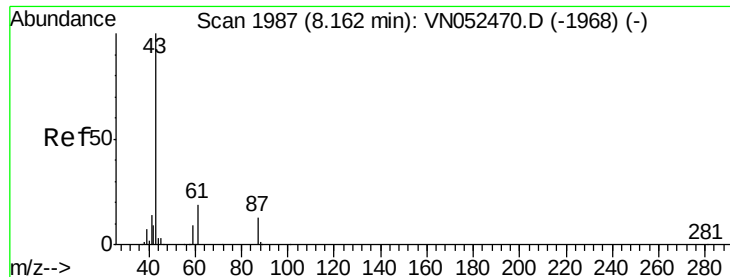


Abundance Ion 116.80 (116.50 to 117.50): VN052729.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052729.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052729.D (-1774) (-)





#43

Isopropyl Acetate

Concen: 2.567 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

Instrument :

MSVOA_N

ClientSampleId :

TW-5

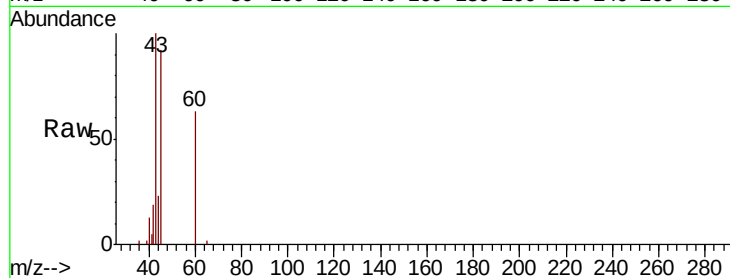
Tot Ion: 43 Resp: 43956

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

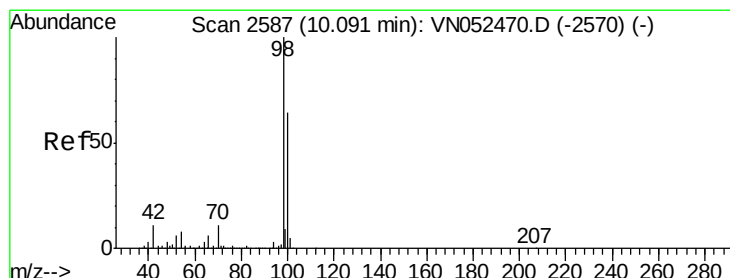
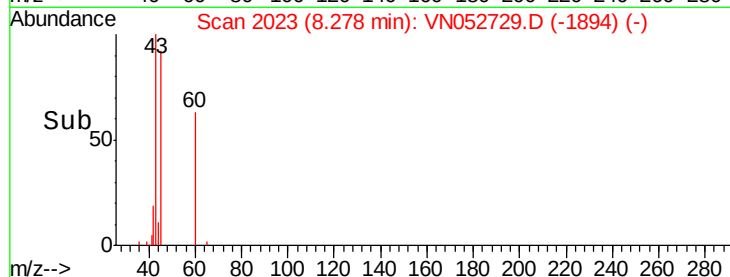
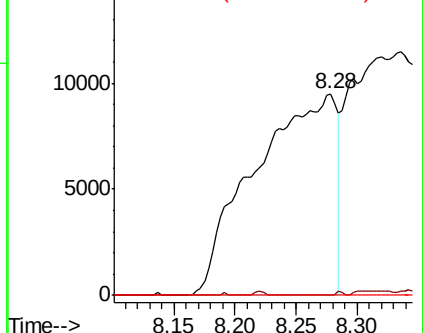
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): 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: VN052729.D

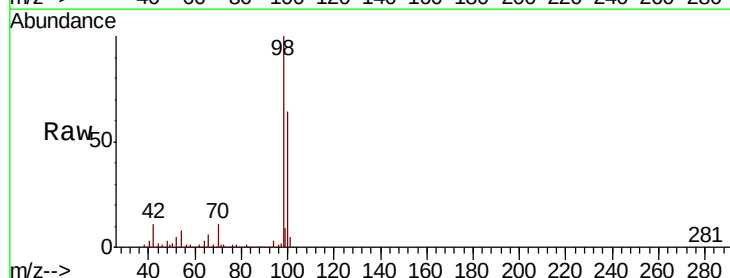
Acq: 7 Dec 2018 16:19

Tgt Ion: 98 Resp: 2119153

Ion Ratio Lower Upper

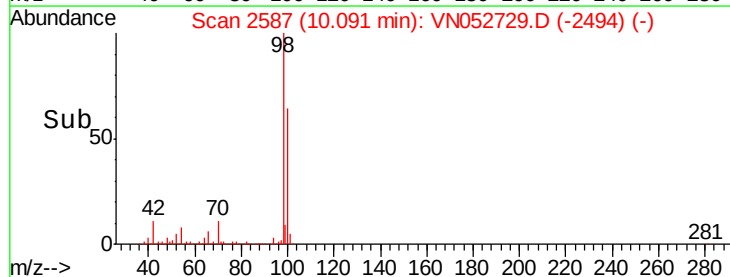
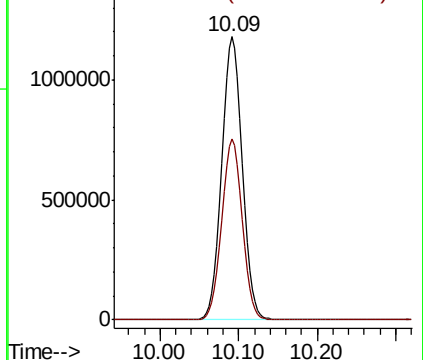
98 100

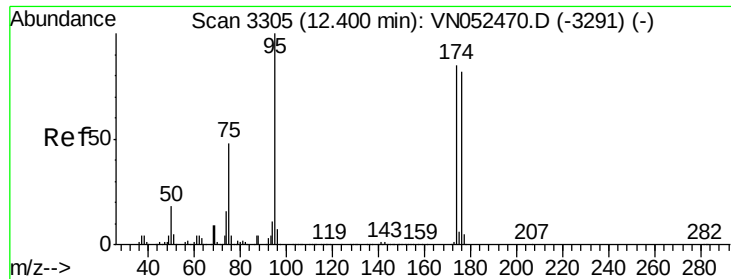
100 63.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

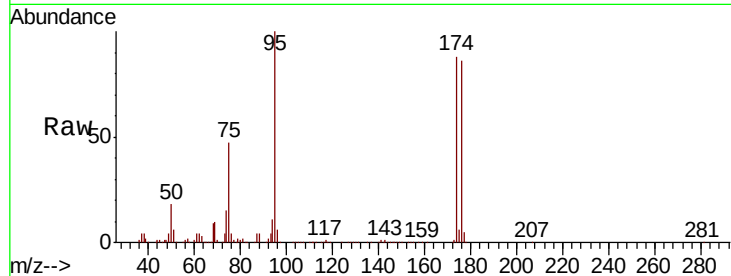




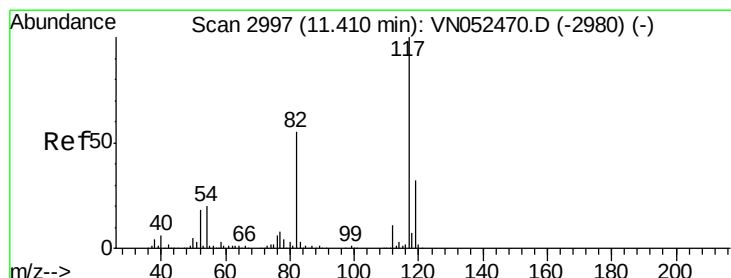
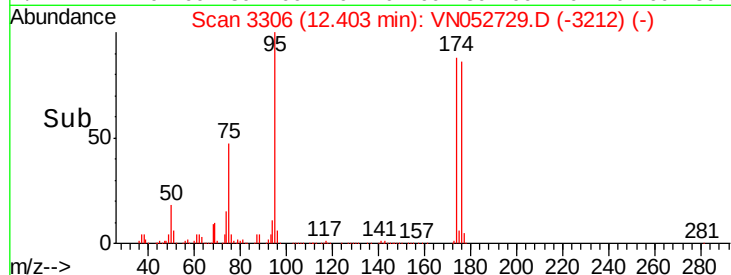
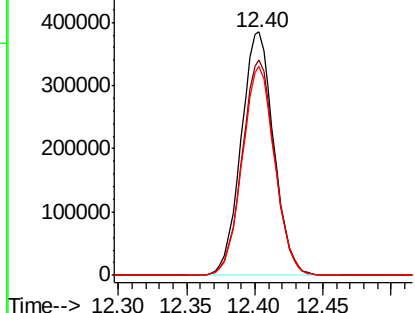
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052729.D
Acq: 7 Dec 2018 16:19

Instrument :
MSVOA_N
ClientSampled :
TW-5

Tot Ion: 95 Resp: 639590
Ion Ratio Lower Upper
95 100
174 88.4 0.0 173.0
176 85.4 0.0 166.2

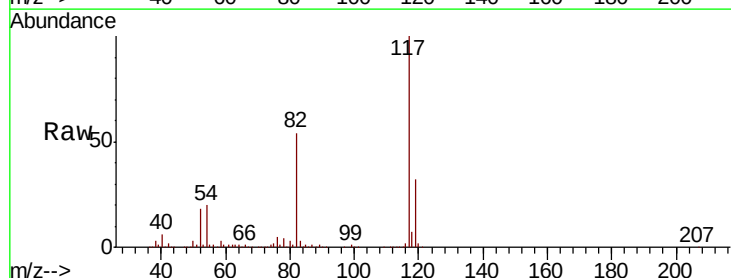


Abundance Ion 94.90 (94.60 to 95.60): VN
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

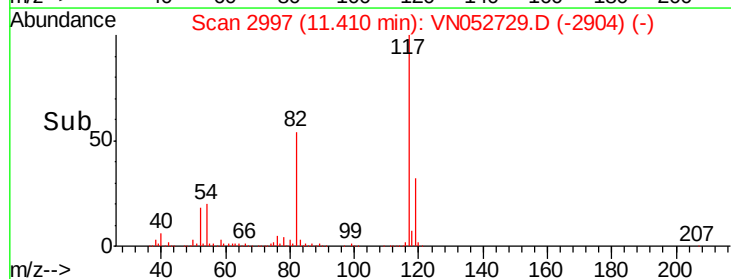
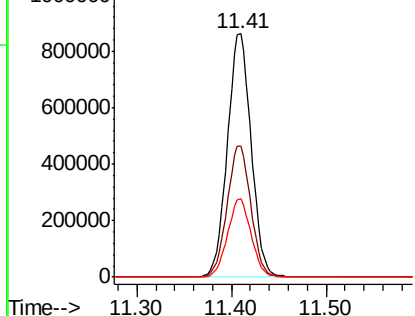


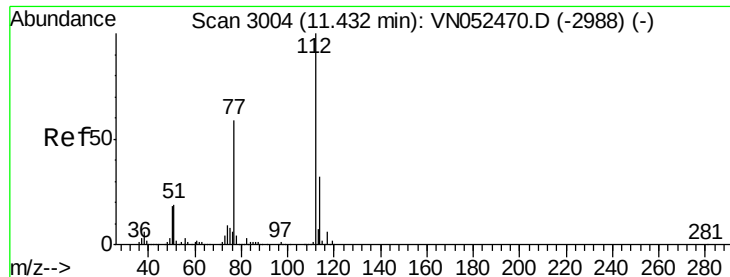
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052729.D
Acq: 7 Dec 2018 16:19

Tgt Ion: 117 Resp: 1502729
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.2 25.4 38.2



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

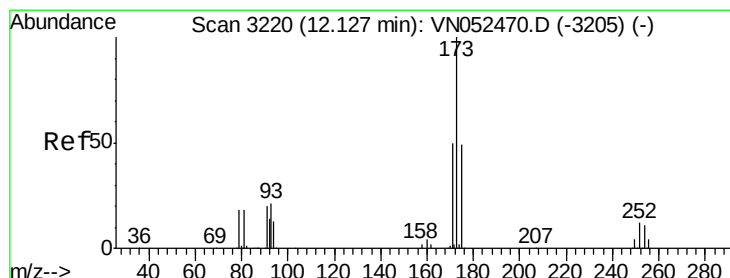
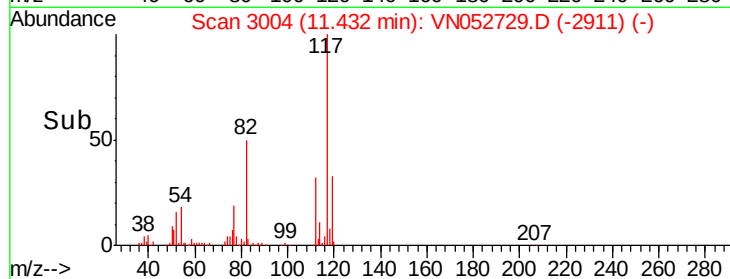
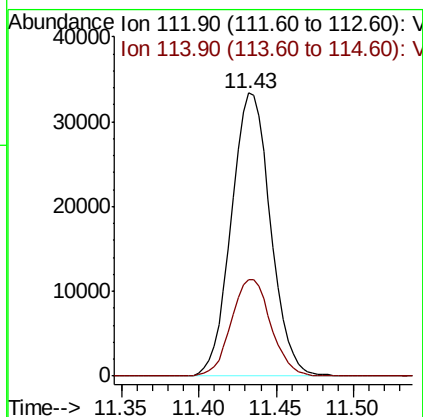
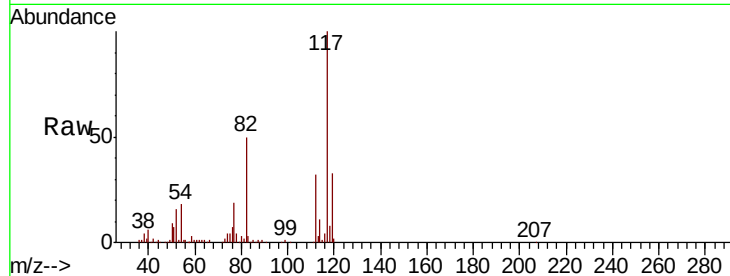




#65
Chlorobenzene
Concen: 1.895 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052729.D
Acq: 7 Dec 2018 16:19

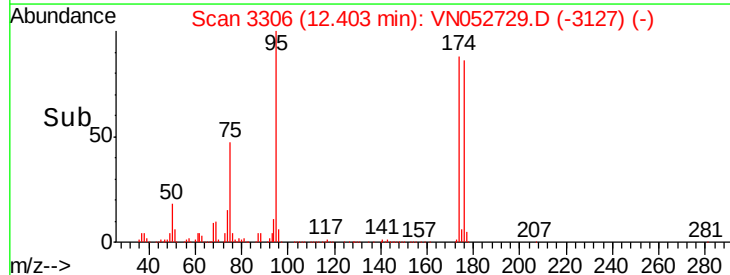
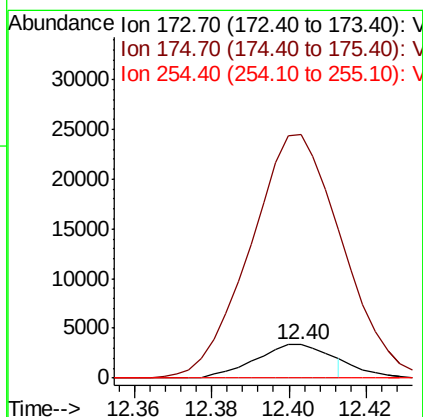
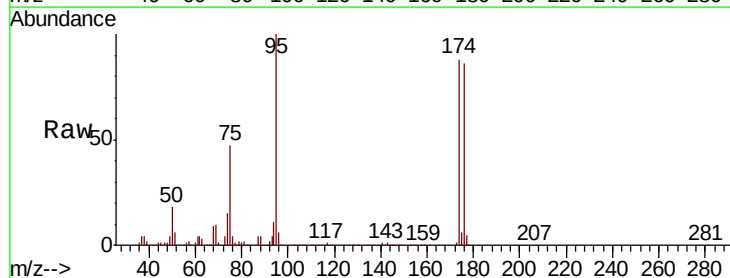
Instrument :
MSVOA_N
ClientSampled :
TW-5

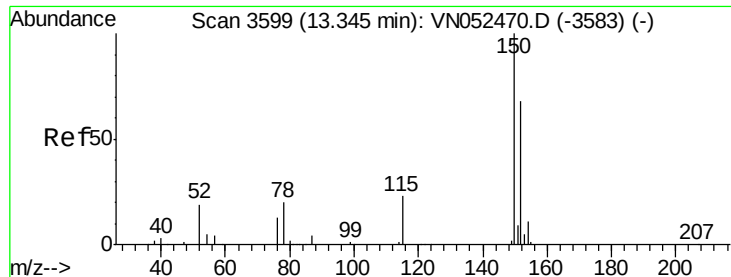
Tot Ion:112 Resp: 58704
Ion Ratio Lower Upper
112 100
114 34.3 25.8 38.6



#71
Bromoform
Concen: 0.627 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052729.D
Acq: 7 Dec 2018 16:19

Tgt Ion:173 Resp: 4474
Ion Ratio Lower Upper
173 100
175 782.3 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

Instrument :

MSVOA_N

ClientSampled :

TW-5

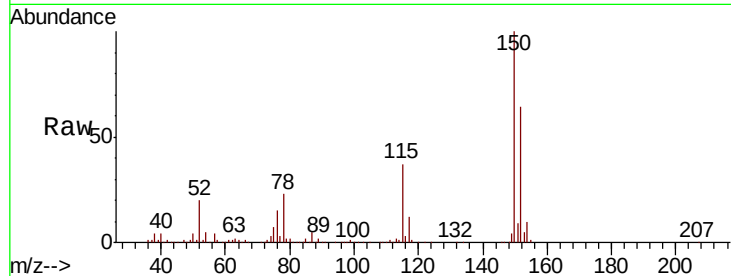
Tot Ion:152 Resp: 533451

Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.2

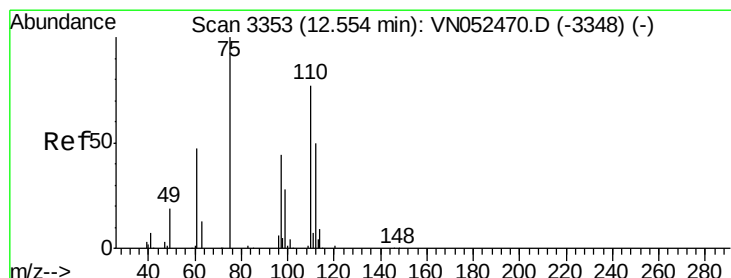
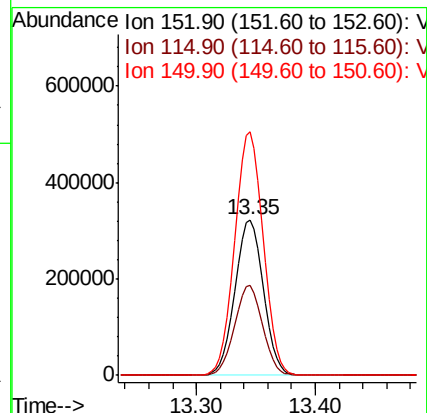
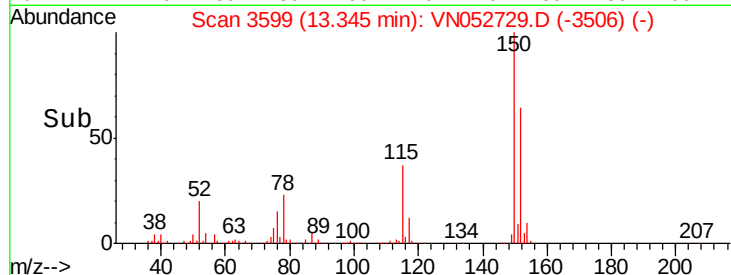
150 157.2 0.0 346.0



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: 37.154 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052729.D

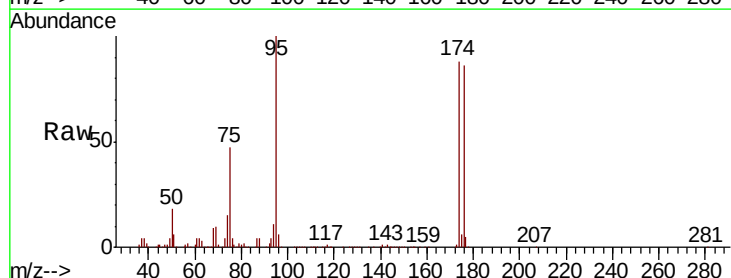
Acq: 7 Dec 2018 16:19

Tgt Ion: 75 Resp: 305636

Ion Ratio Lower Upper

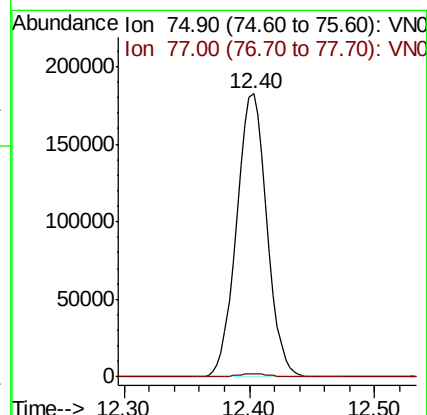
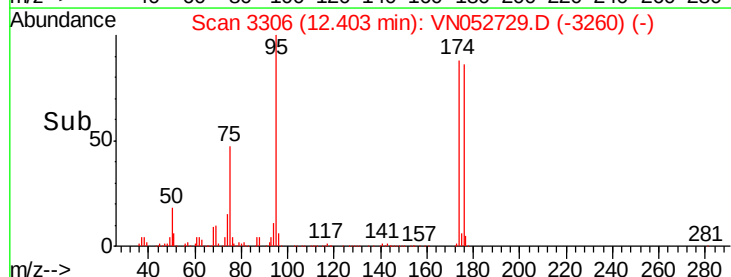
75 100

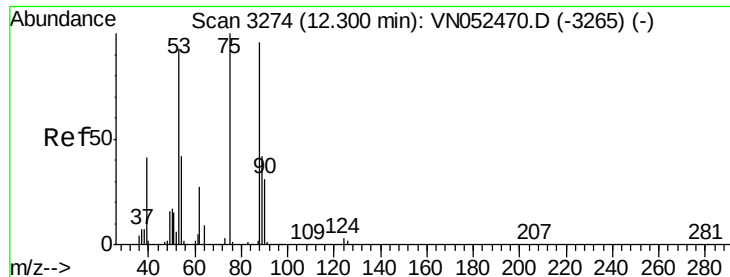
77 1.2 0.0 0.0#



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: 124.078 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

Instrument :

MSVOA_N

ClientSampled :

TW-5

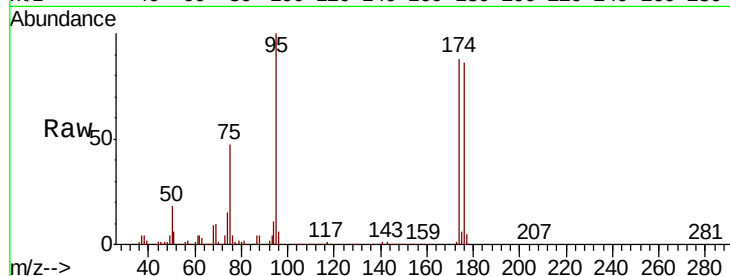
Tot Ion: 75 Resp: 305636

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

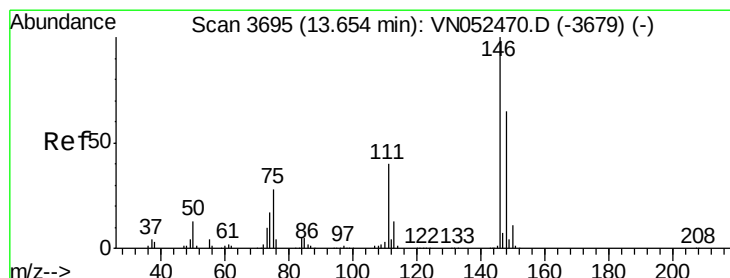
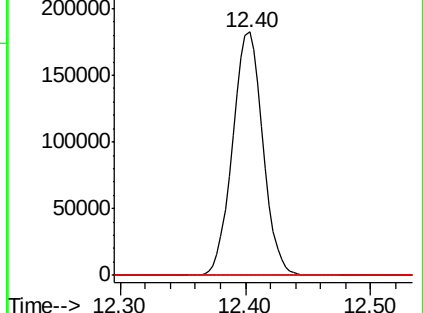
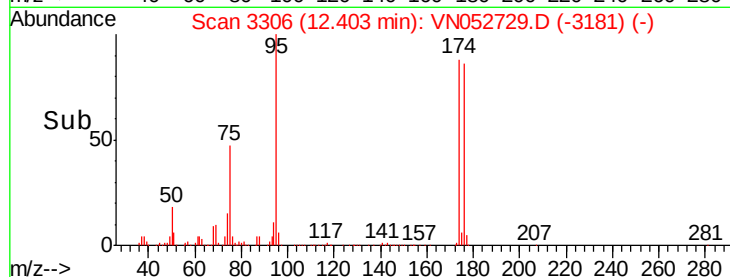
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052729.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052729.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052729.D (-3181) (-)



#91

1,2-Dichlorobenzene

Concen: 0.246 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

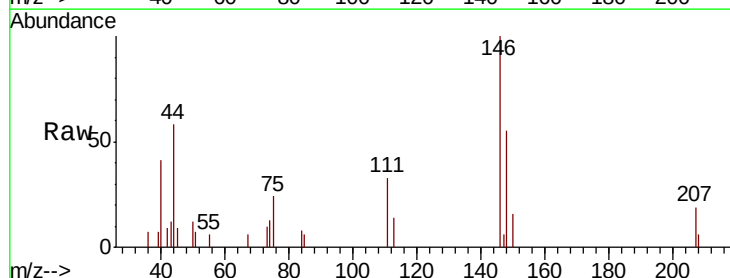
Tgt Ion: 146 Resp: 4254

Ion Ratio Lower Upper

146 100

111 40.4 20.0 60.0

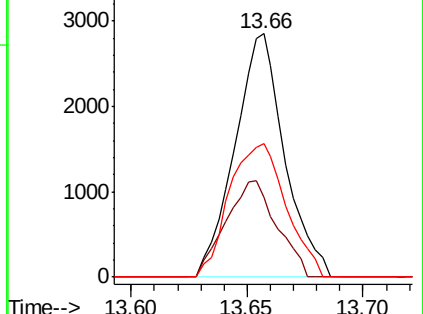
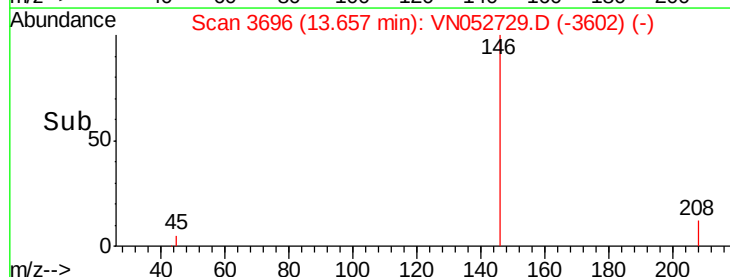
148 62.7 32.0 96.2

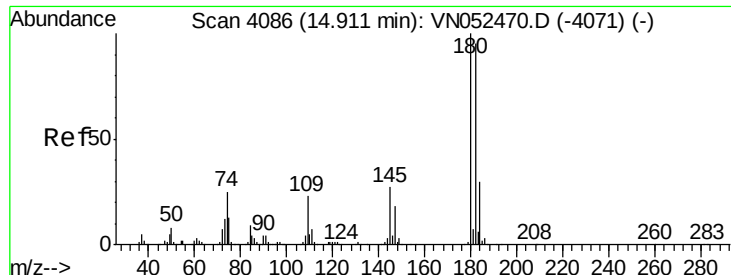


Abundance Ion 145.90 (145.60 to 146.60): VN052729.D (-3602) (-)

Ion 110.90 (110.60 to 111.60): VN052729.D (-3602) (-)

Ion 147.90 (147.60 to 148.60): VN052729.D (-3602) (-)





#93

1,2,4-Trichlorobenzene

Concen: 2.931 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

Instrument :

MSVOA_N

ClientSampled :

TW-5

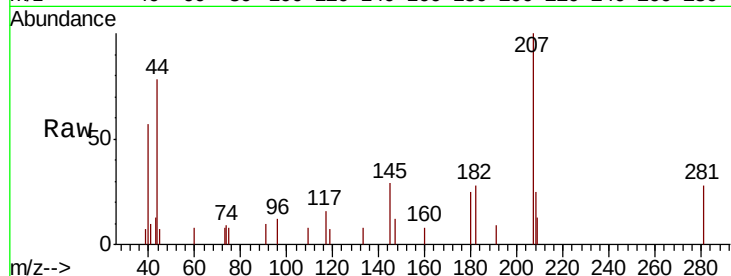
Tot Ion:180 Resp: 1014

Ion Ratio Lower Upper

180 100

182 83.9 47.8 143.4

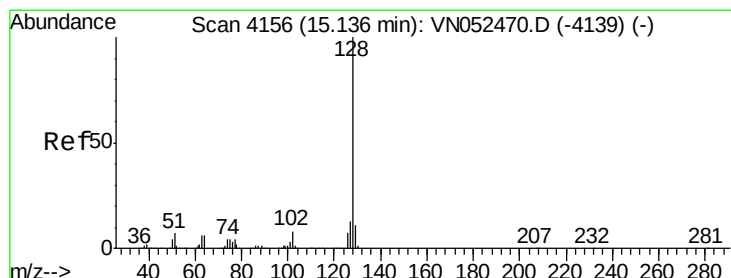
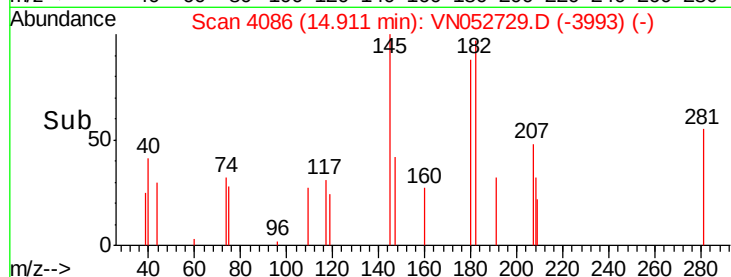
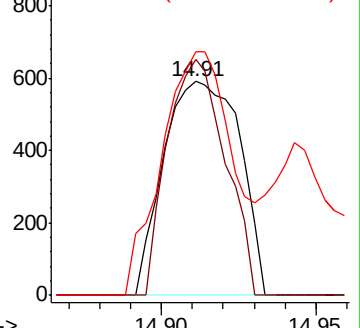
145 106.0 14.1 42.3#



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: 4.745 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052729.D

Acq: 7 Dec 2018 16:19

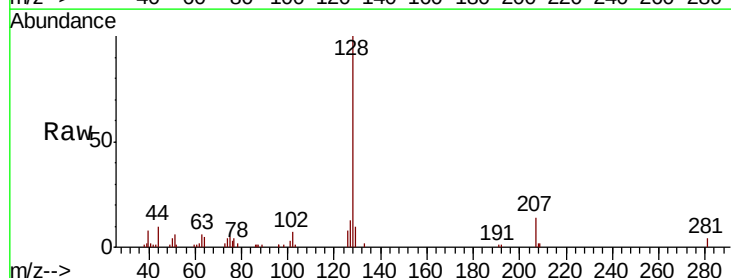
Tgt Ion:128 Resp: 28394

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

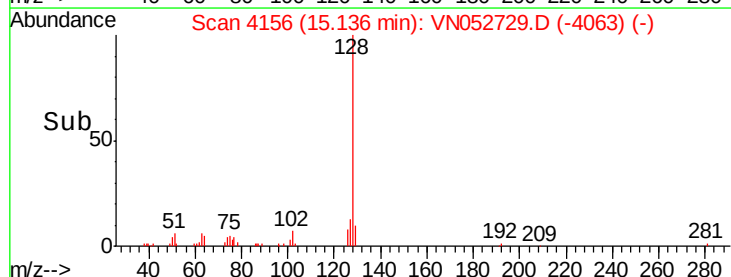
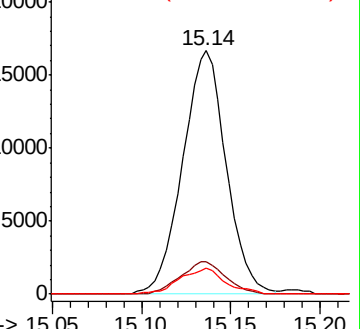
129 11.1 8.7 13.1

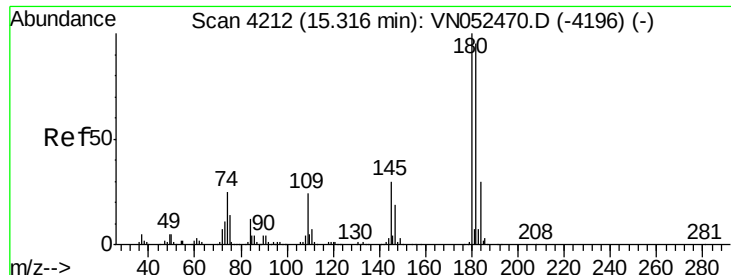


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.820 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052729.D
 Acq: 7 Dec 2018 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.7	47.8	143.3
145	102.3	15.2	45.5

