

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056949.D
 Acq On : 26 Jul 2019 18:20
 Operator : JC/SP
 Sample : K4015-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Jul 27 00:55:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:47:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	740789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1082372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	900457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274074	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	354951	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	7.58	113	328280	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	10.08	98	1267090	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.40	95	350620	40.76	ug/l	0.00
Spiked Amount			Recovery	=	81.52%	

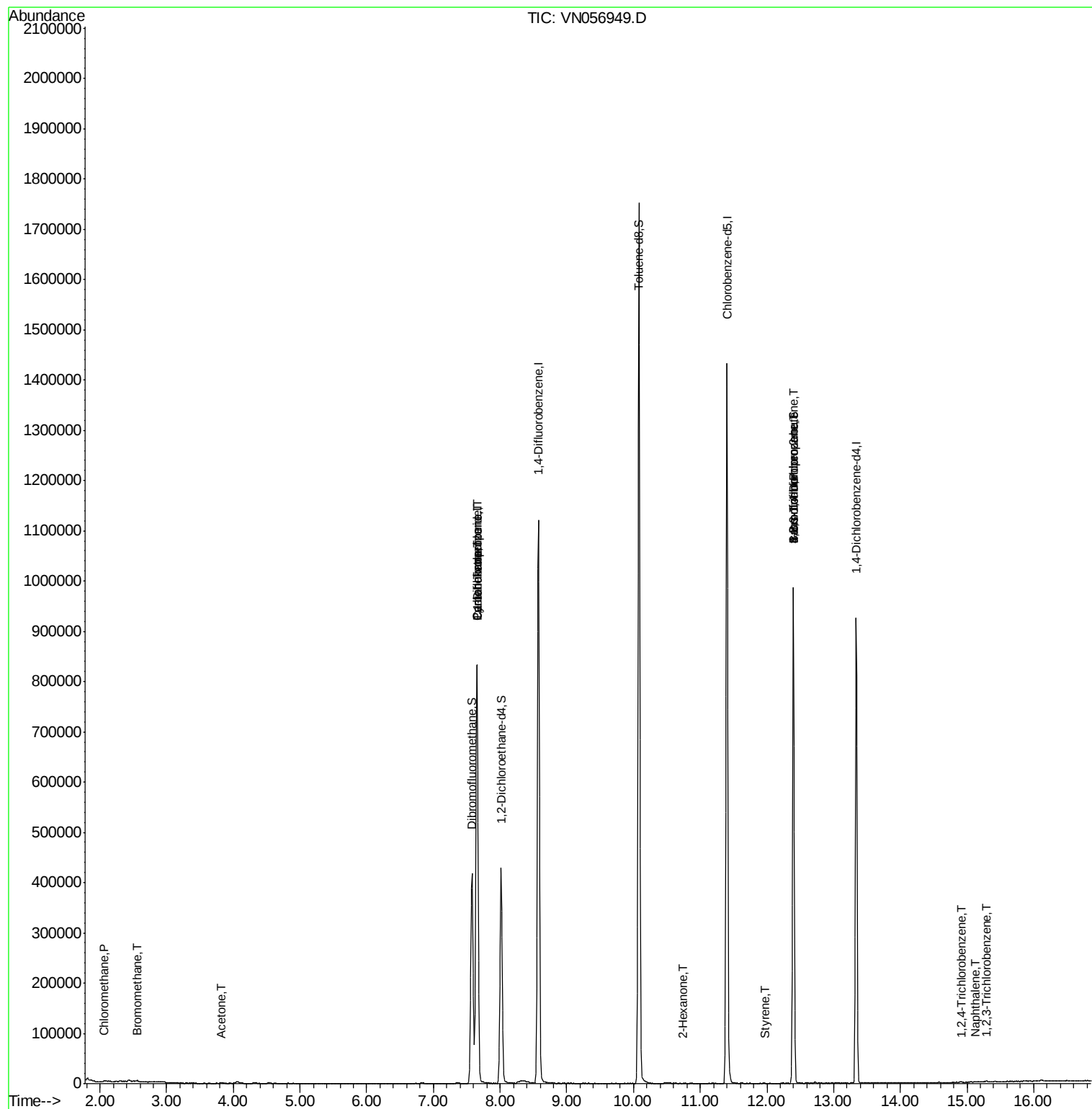
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2585	0.288	ug/l	96
5) Bromomethane	2.57	94	2124	0.406	ug/l	82
16) Acetone	3.81	43	1114	0.406	ug/l	96
31) Cyclohexane	7.65	56	11393	0.914	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	45513	4.779	ug/l #	48
38) Carbon Tetrachloride	7.65	117	62876	6.979	ug/l #	17
59) 2-Hexanone	10.74	43	31	2.505	ug/l #	23
70) Styrene	11.97	104	270	1.880	ug/l #	26
71) Bromoform	12.40	173	2580	0.535	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	158740	28.520	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	158740	91.633	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	523	2.815	ug/l #	85
95) Naphthalene	15.12	128	1373	3.697	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.29	180	622	2.173	ug/l #	70

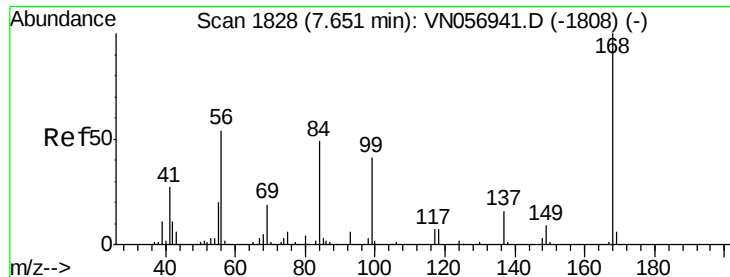
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:47:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

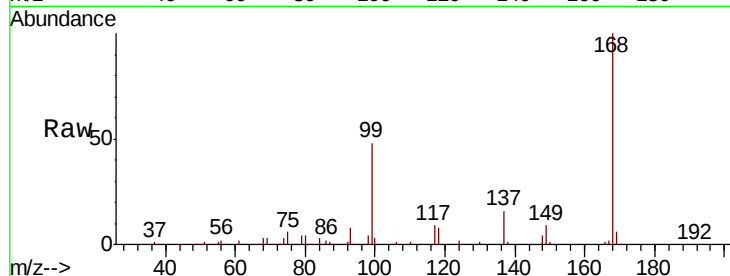
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 740789

Ion Ratio Lower Upper

168 100

99 48.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

300000

200000

100000

0

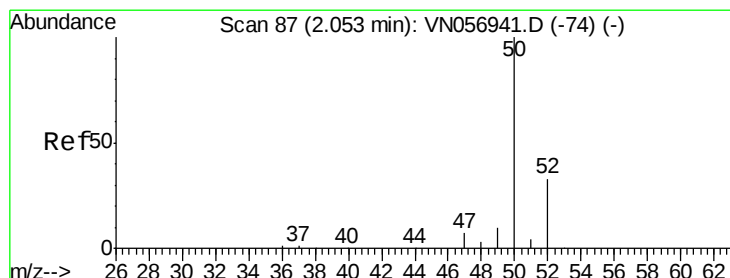
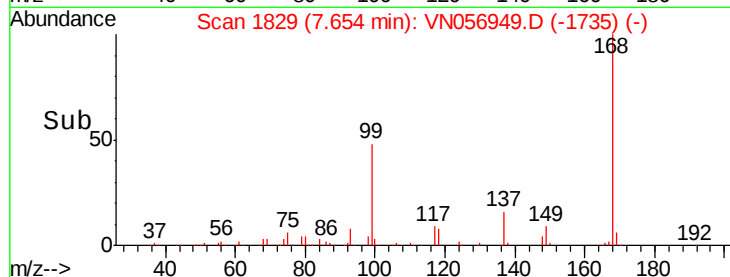
Time-->

7.50

7.60

7.70

7.80



#3

Chloromethane

Concen: 0.288 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN056949.D

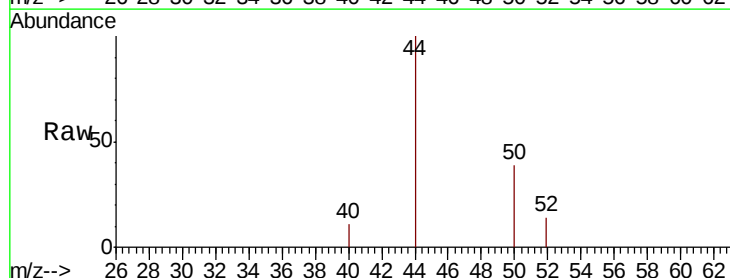
Acq: 26 Jul 2019 18:20

Tgt Ion: 50 Resp: 2585

Ion Ratio Lower Upper

50 100

52 35.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

1500

1000

500

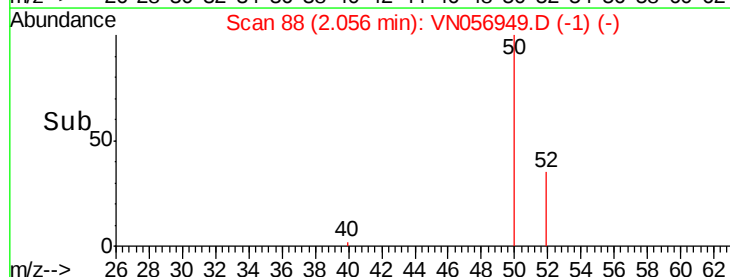
0

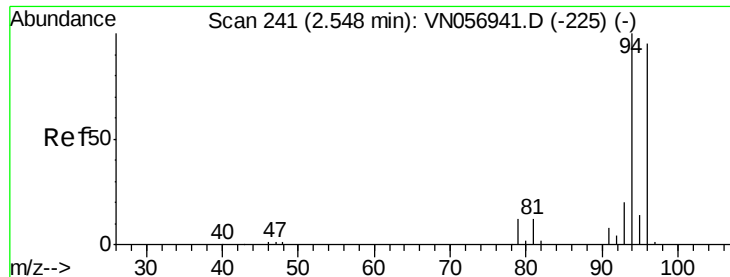
Time-->

2.00

2.05

2.10





#5

Bromomethane

Concen: 0.406 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

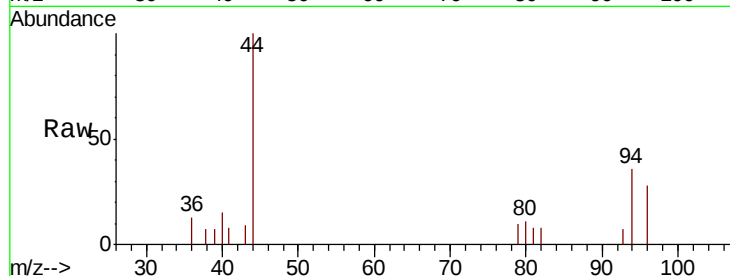
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 2124

Ion Ratio Lower Upper

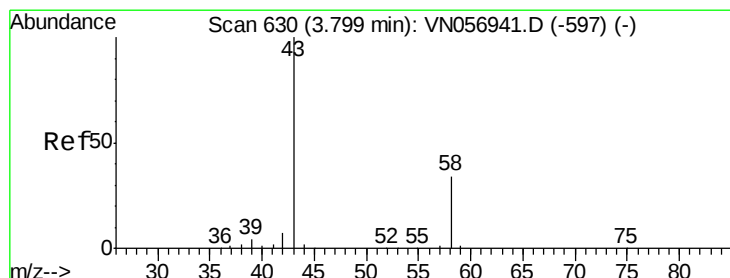
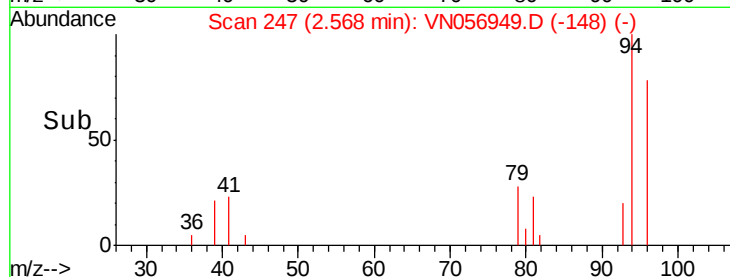
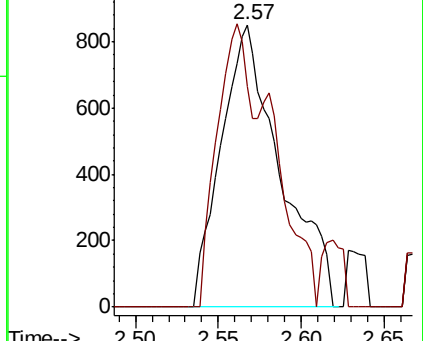
94 100

96 78.1 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN056949.D (-148) (-)

Ion 95.90 (95.60 to 96.60): VN056949.D (-148) (-)



#16

Acetone

Concen: 0.406 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN056949.D

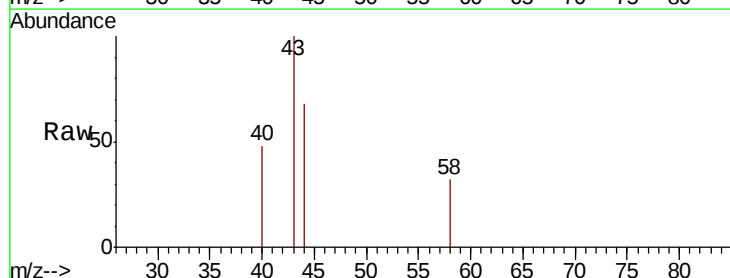
Acq: 26 Jul 2019 18:20

Tgt Ion: 43 Resp: 1114

Ion Ratio Lower Upper

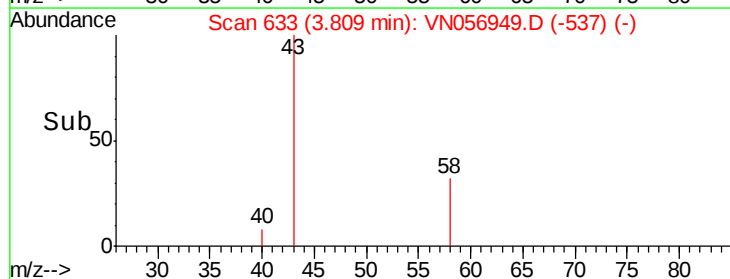
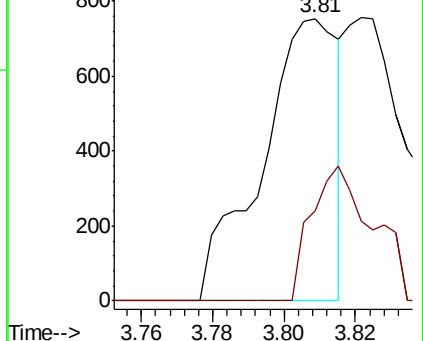
43 100

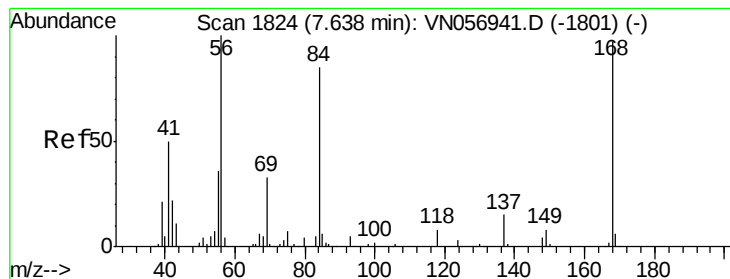
58 31.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN056949.D (-537) (-)

Ion 58.00 (57.70 to 58.70): VN056949.D (-537) (-)





#31

Cyclohexane

Concen: 0.914 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

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ClientSampleId :

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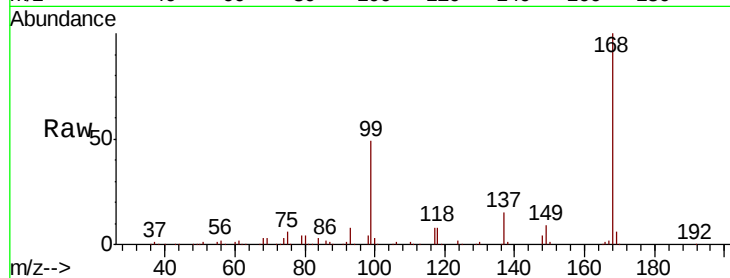
Tot Ion: 56 Resp: 11393

Ion Ratio Lower Upper

56 100

69 207.6 26.2 39.2#

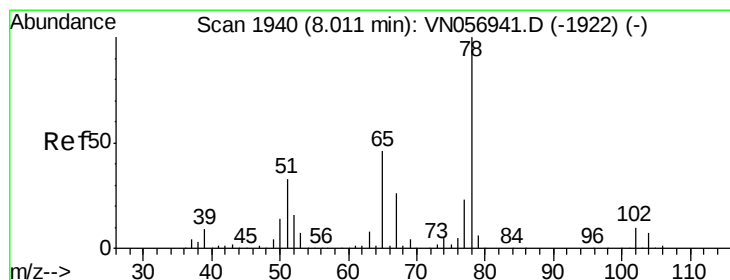
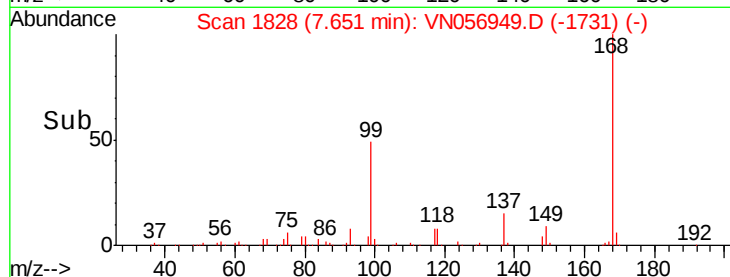
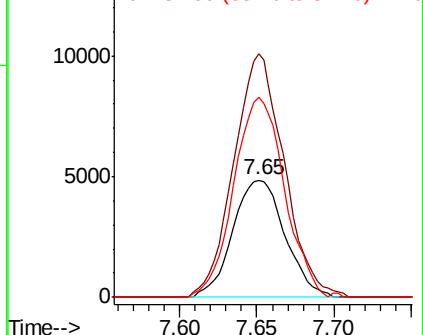
84 170.6 68.2 102.2#



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: 46.809 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN056949.D

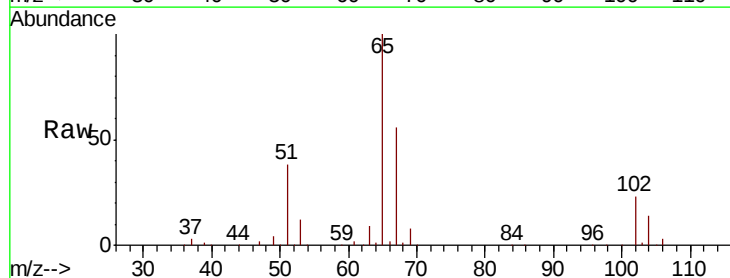
Acq: 26 Jul 2019 18:20

Tgt Ion: 65 Resp: 354951

Ion Ratio Lower Upper

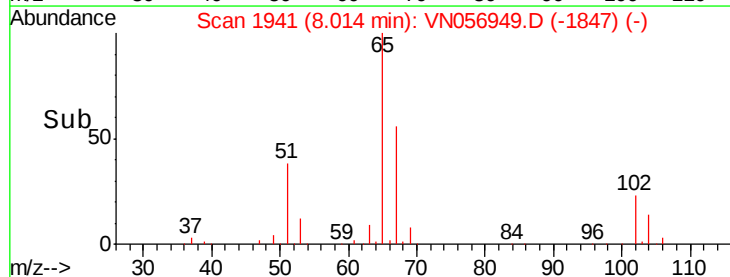
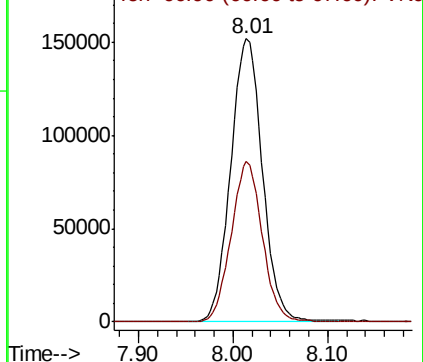
65 100

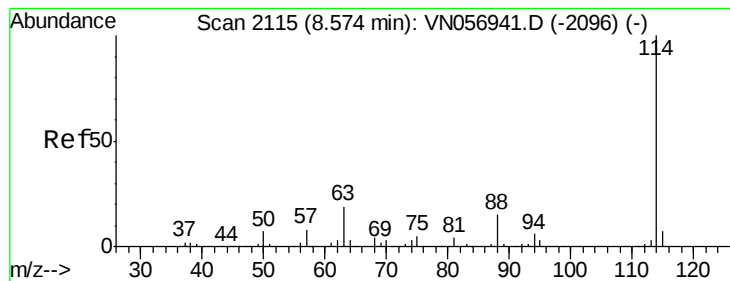
67 55.4 0.0 112.0



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: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

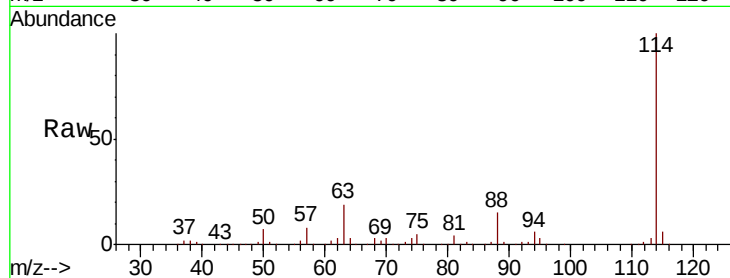
Tot Ion:114 Resp: 1082372

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

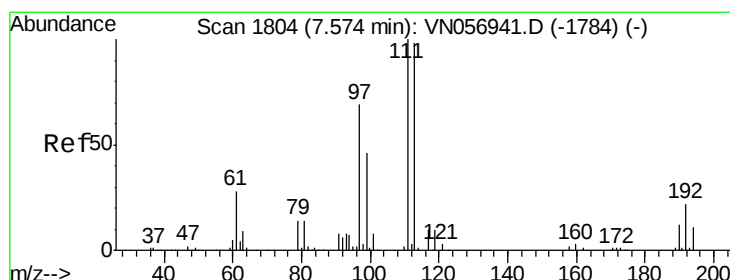
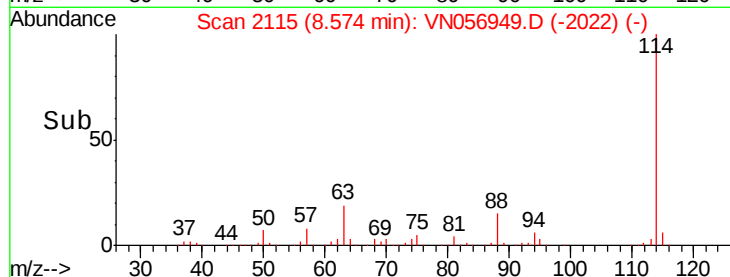
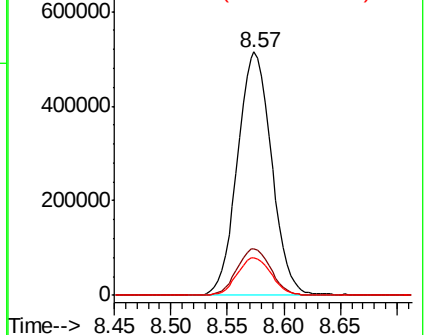
88 15.5 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.378 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

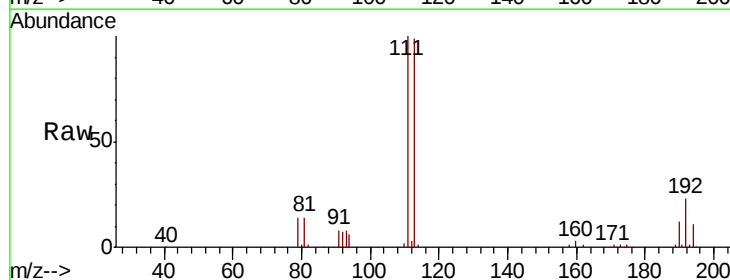
Tgt Ion:113 Resp: 328280

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

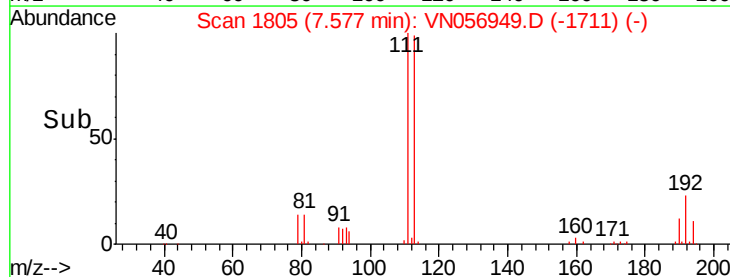
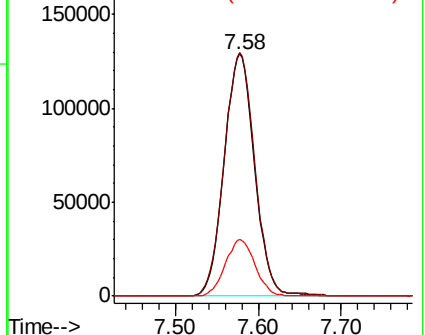
192 23.0 18.4 27.6

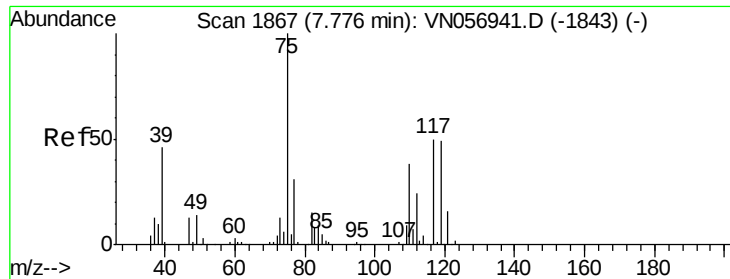


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

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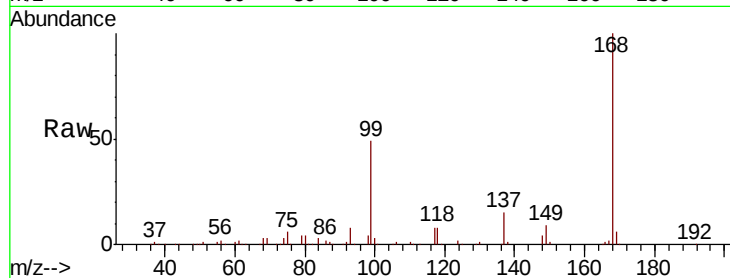
Tot Ion: 75 Resp: 45513

Ion Ratio Lower Upper

75 100

110 8.8 18.6 55.8#

77 0.0 25.2 37.8#

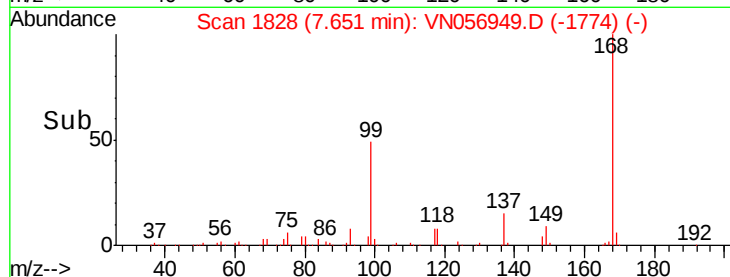


Abundance Ion 74.90 (74.60 to 75.60): VN056949.D (-1774) (-)

Ion 109.90 (109.60 to 110.60): VN056949.D (-1774) (-)

Ion 76.90 (76.60 to 77.60): VN056949.D (-1774) (-)

Time-->



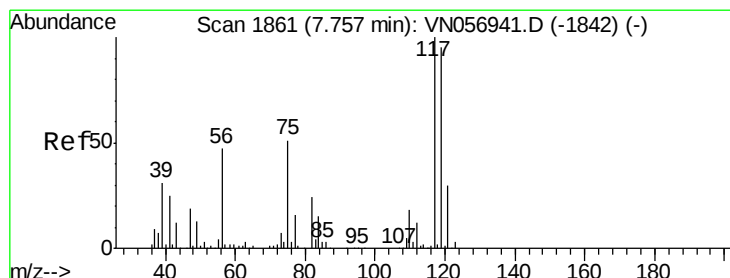
Abundance

Ion 74.90 (74.60 to 75.60): VN056949.D (-1774) (-)

Ion 109.90 (109.60 to 110.60): VN056949.D (-1774) (-)

Ion 76.90 (76.60 to 77.60): VN056949.D (-1774) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.979 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

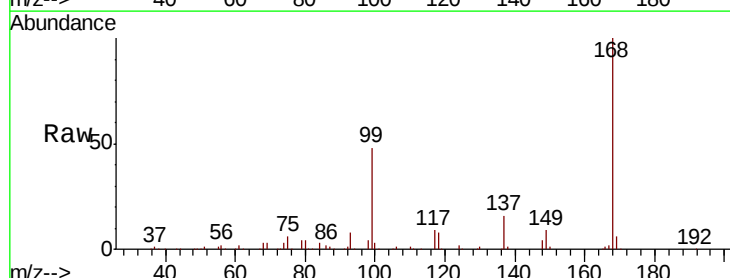
Tgt Ion: 117 Resp: 62876

Ion Ratio Lower Upper

117 100

119 5.3 75.3 112.9#

121 0.0 24.2 36.4#

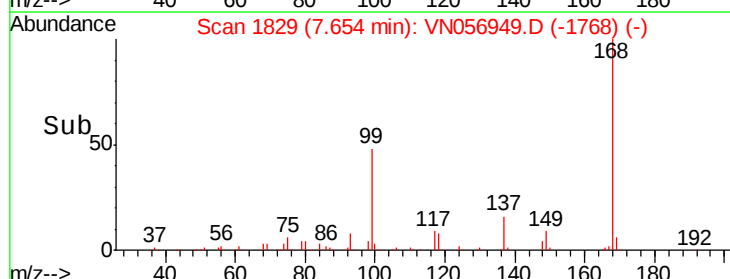


Abundance Ion 116.80 (116.50 to 117.50): VN056949.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN056949.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN056949.D (-1768) (-)

Time-->



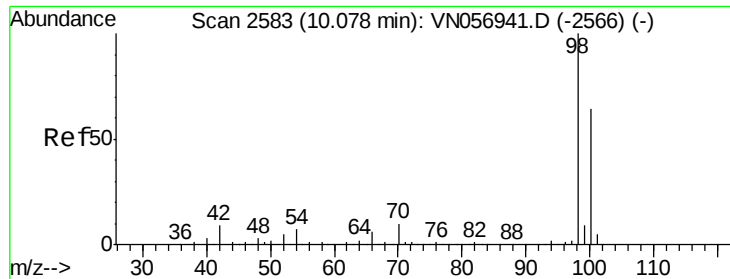
Abundance

Ion 116.80 (116.50 to 117.50): VN056949.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN056949.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN056949.D (-1768) (-)

Time-->



#50

Toluene-d8

Concen: 47.953 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

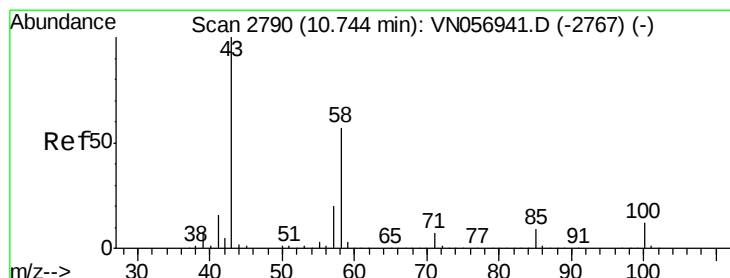
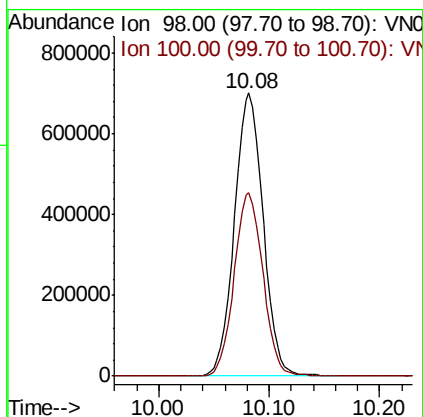
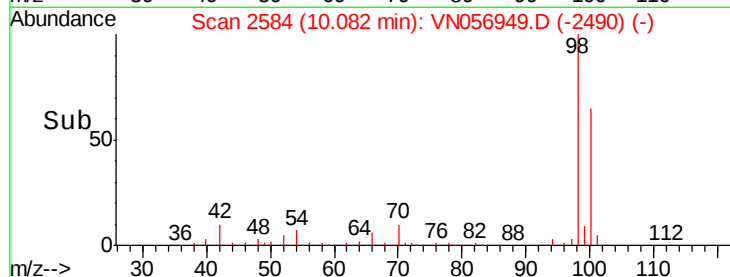
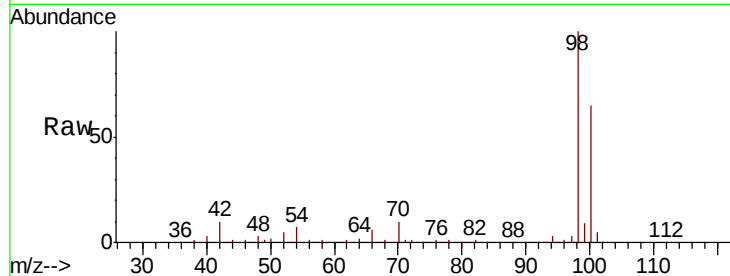
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 1267090

Ion Ratio Lower Upper

98 100

100 65.0 51.3 76.9



#59

2-Hexanone

Concen: 2.505 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.01 min

Lab File: VN056949.D

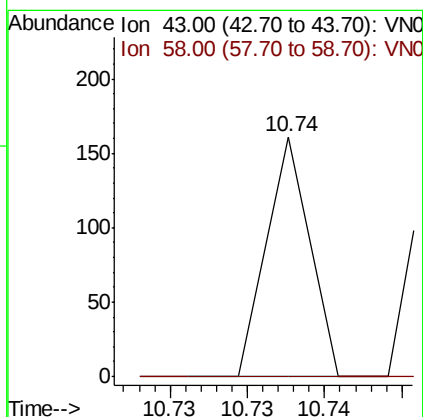
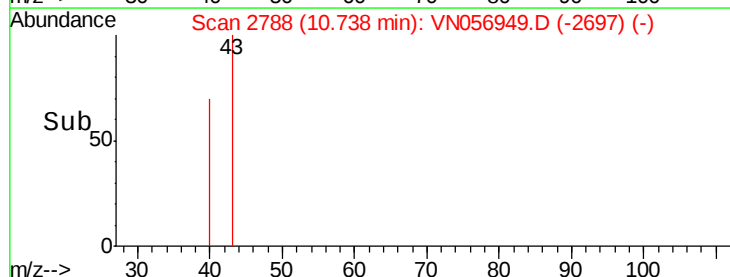
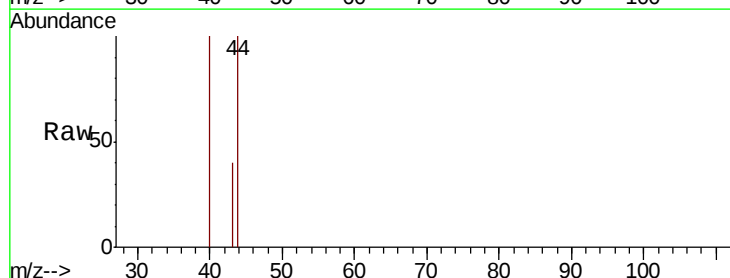
Acq: 26 Jul 2019 18:20

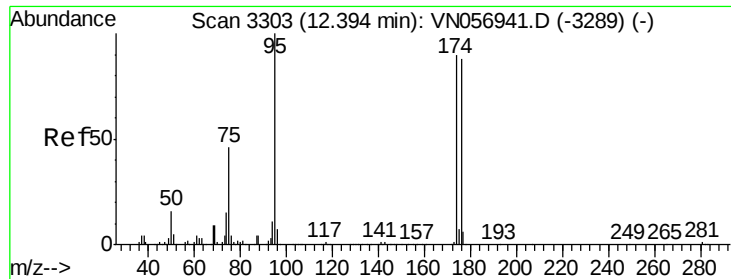
Tgt Ion: 43 Resp: 31

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#





#62

4-Bromofluorobenzene

Concen: 40.760 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

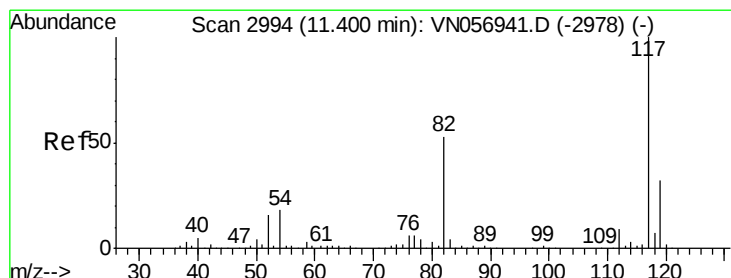
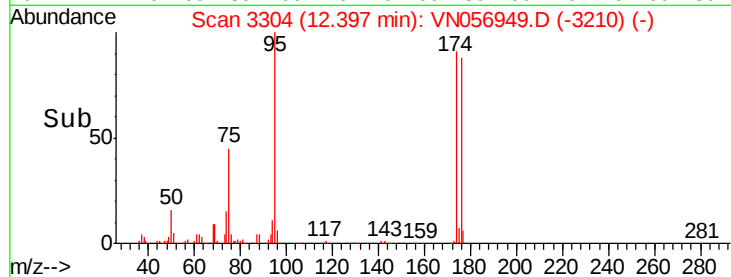
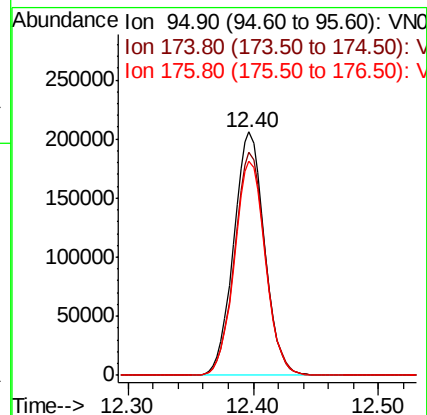
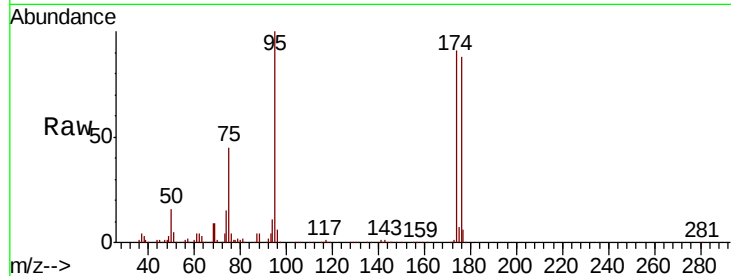
Tot Ion: 95 Resp: 350620

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.2

176 88.6 0.0 179.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

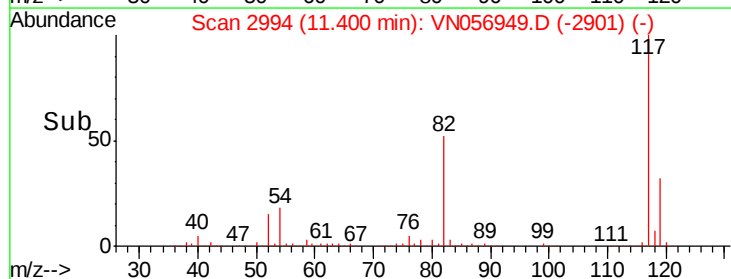
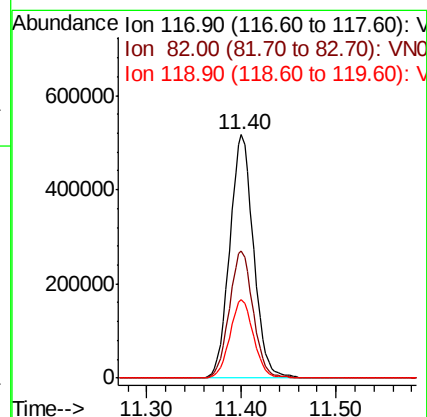
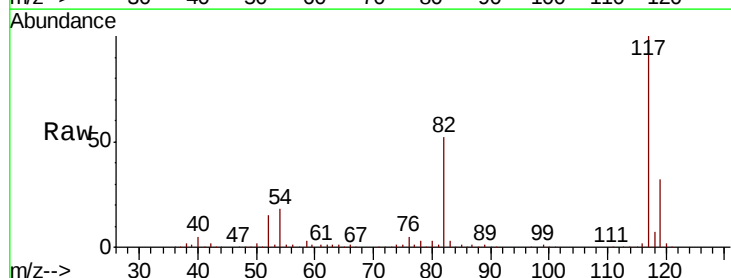
Tgt Ion: 117 Resp: 900457

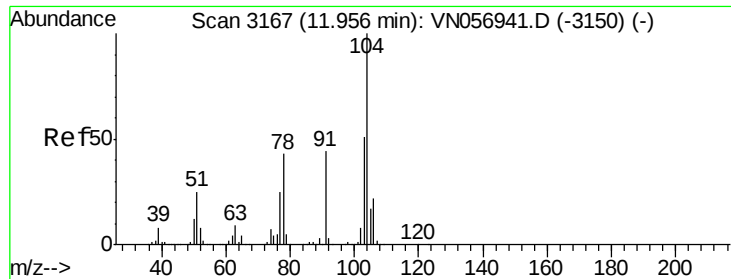
Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.4

119 32.0 25.8 38.6





#70

Stvrene

Concen: 1.880 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.01 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

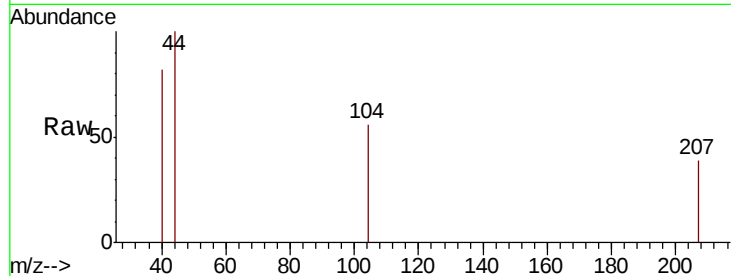
Tot Ion:104 Resp: 270

Ion Ratio Lower Upper

104 100

78 0.0 38.1 57.1#

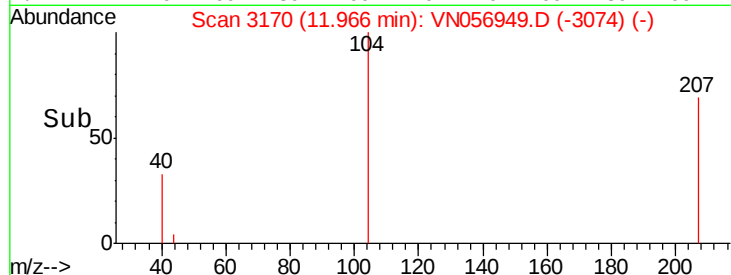
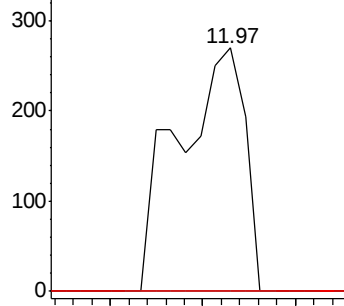
103 0.0 44.3 66.5#



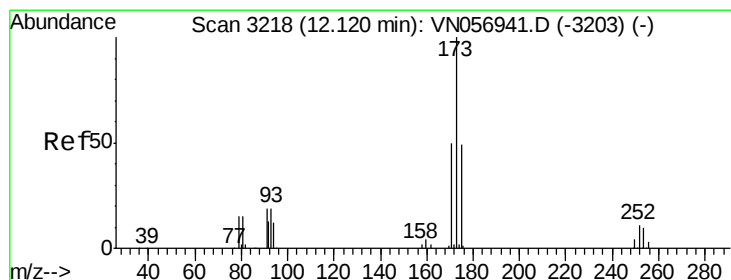
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



Time-->



#71

Bromoform

Concen: 0.535 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

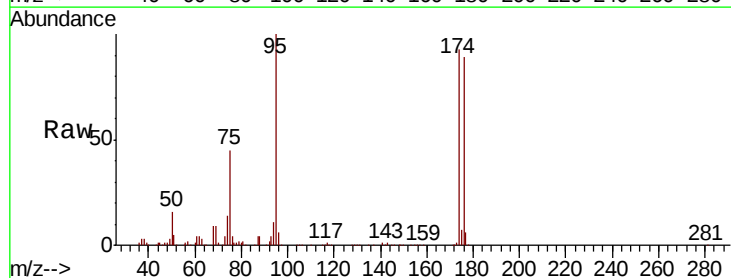
Tgt Ion:173 Resp: 2580

Ion Ratio Lower Upper

173 100

175 785.7 24.1 72.4#

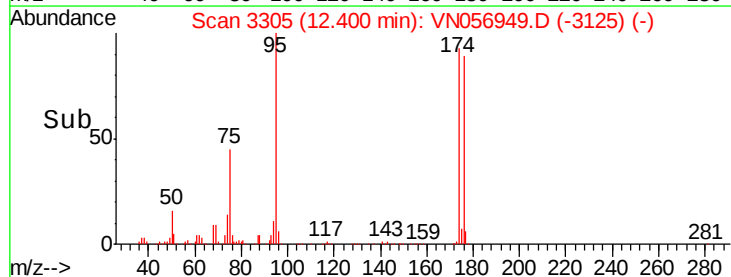
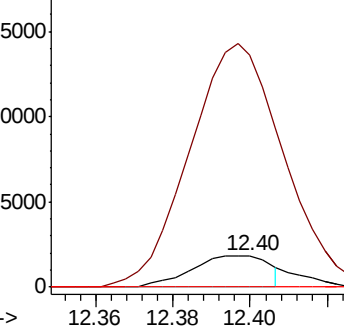
254 0.0 0.1 0.1#

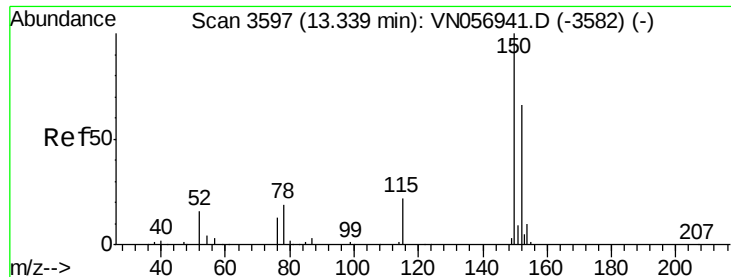


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

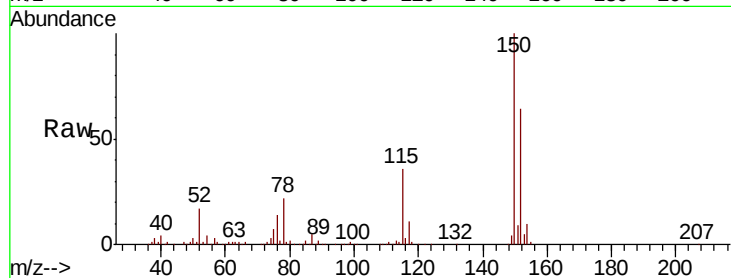
Tot Ion:152 Resp: 274074

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.6

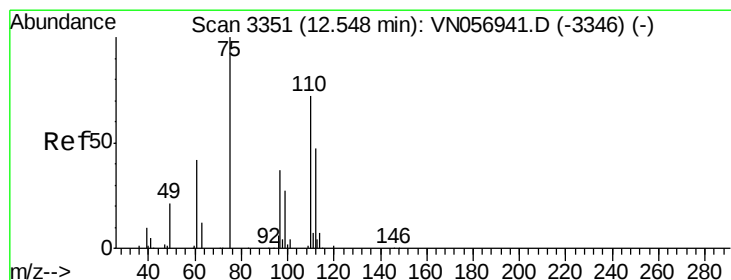
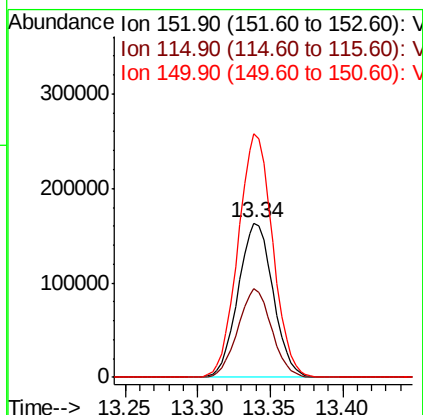
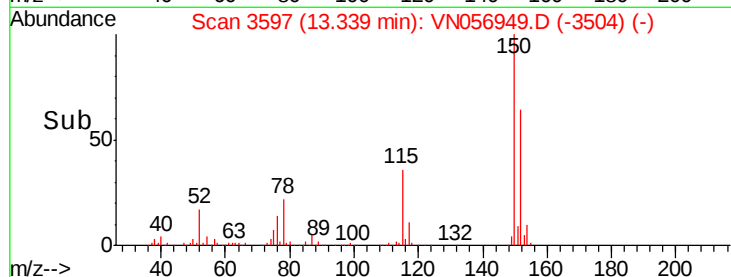
150 155.9 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 28.520 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN056949.D

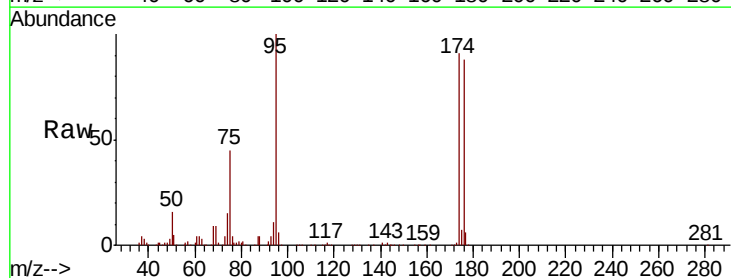
Acq: 26 Jul 2019 18:20

Tgt Ion: 75 Resp: 158740

Ion Ratio Lower Upper

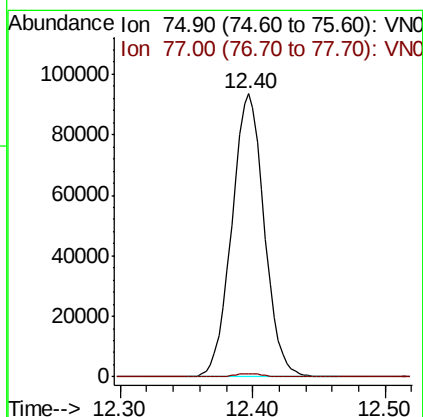
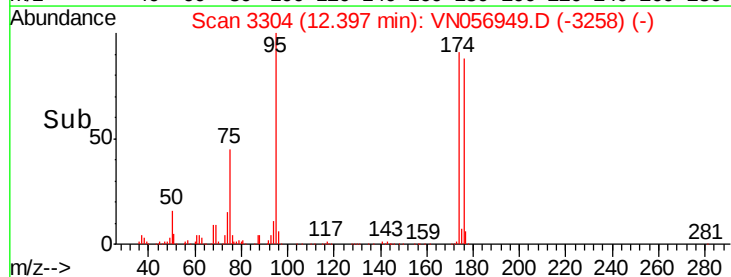
75 100

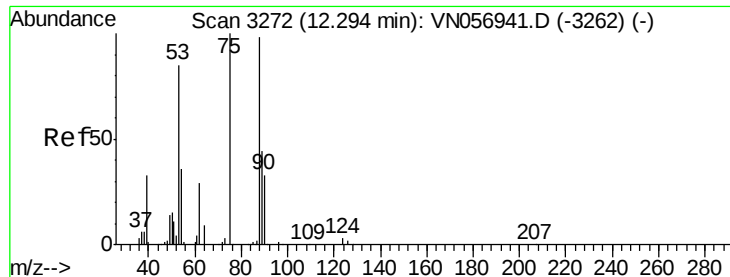
77 1.1 0.0 0.0#



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: 91.633 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

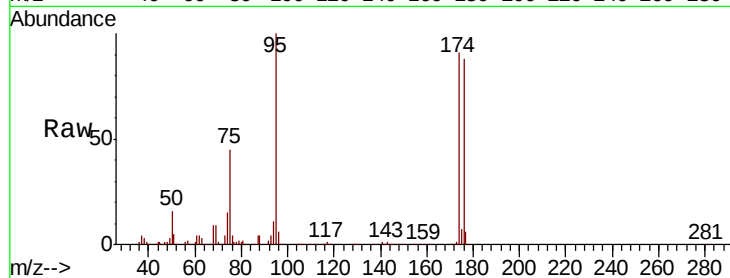
Tot Ion: 75 Resp: 158740

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

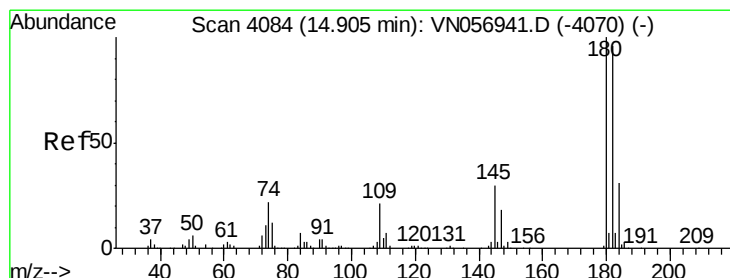
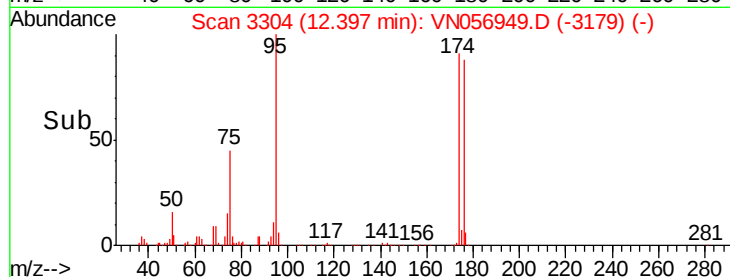
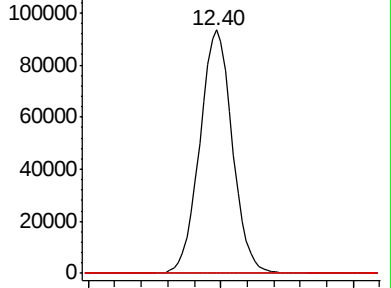
89 0.0 35.8 53.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN056941.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN056941.D (-3262) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.815 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

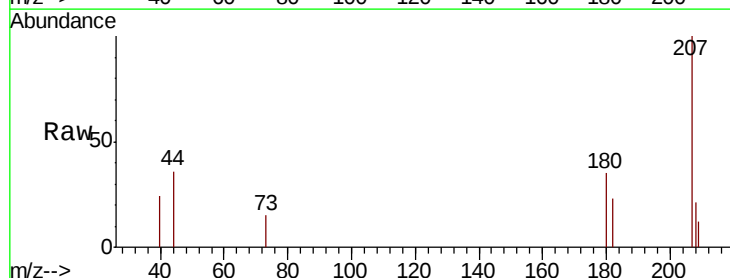
Tgt Ion: 180 Resp: 523

Ion Ratio Lower Upper

180 100

182 91.6 47.6 142.8

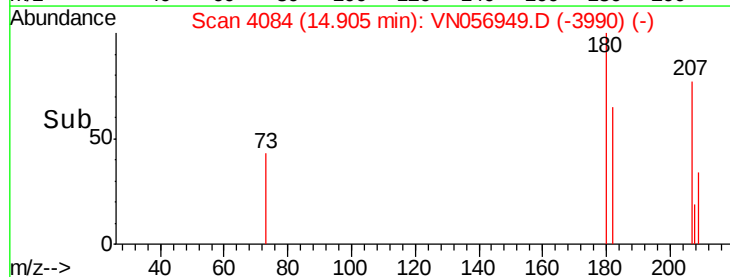
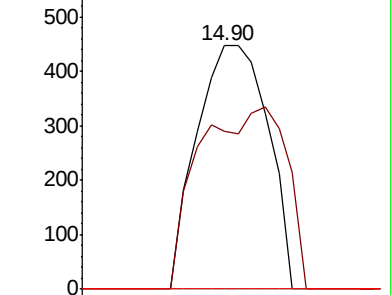
145 0.0 14.2 42.8#

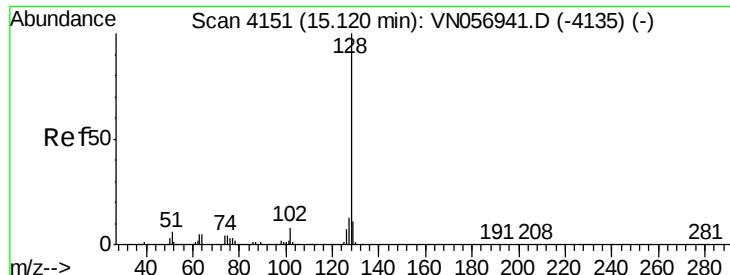


Abundance Ion 179.80 (179.50 to 180.50): VN056941.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN056941.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN056941.D (-4070) (-)





#95

Naphthalene

Concen: 3.697 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

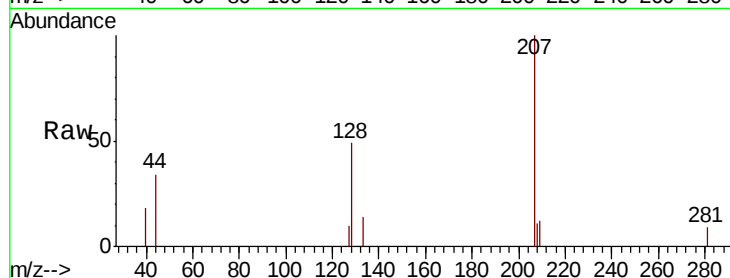
Tot Ion:128 Resp: 1373

Ion Ratio Lower Upper

128 100

127 2.3 10.0 15.0#

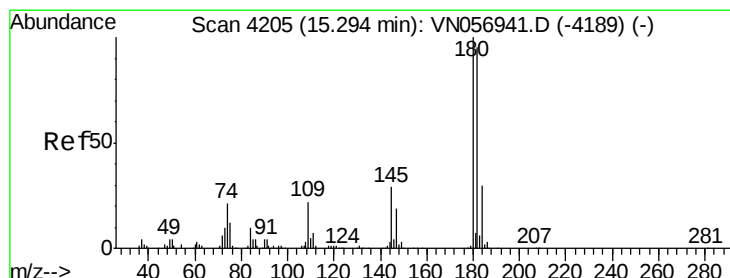
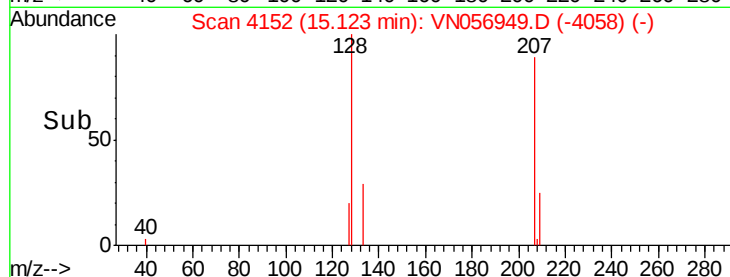
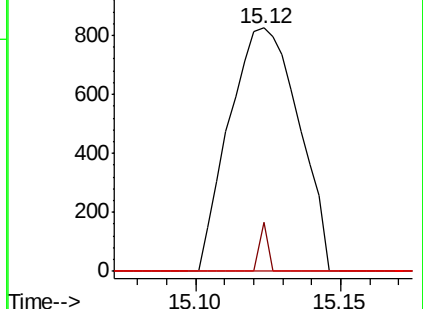
129 0.0 8.7 13.1#



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: 2.173 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.00 min

Lab File: VN056949.D

Acq: 26 Jul 2019 18:20

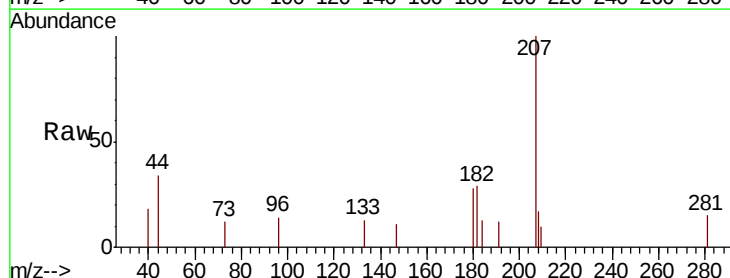
Tgt Ion:180 Resp: 622

Ion Ratio Lower Upper

180 100

182 118.2 48.0 144.2

145 0.0 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

