

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058751.D
 Acq On : 14 Oct 2019 15:49
 Operator : JC/SP
 Sample : K5358-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:11:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	388725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	653355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	583093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	234664	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	304207	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	
35) Dibromofluoromethane	7.57	113	214445	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	10.08	98	791777	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.41	95	263209	43.09	ug/l	0.00
Spiked Amount			Recovery	=	86.18%	

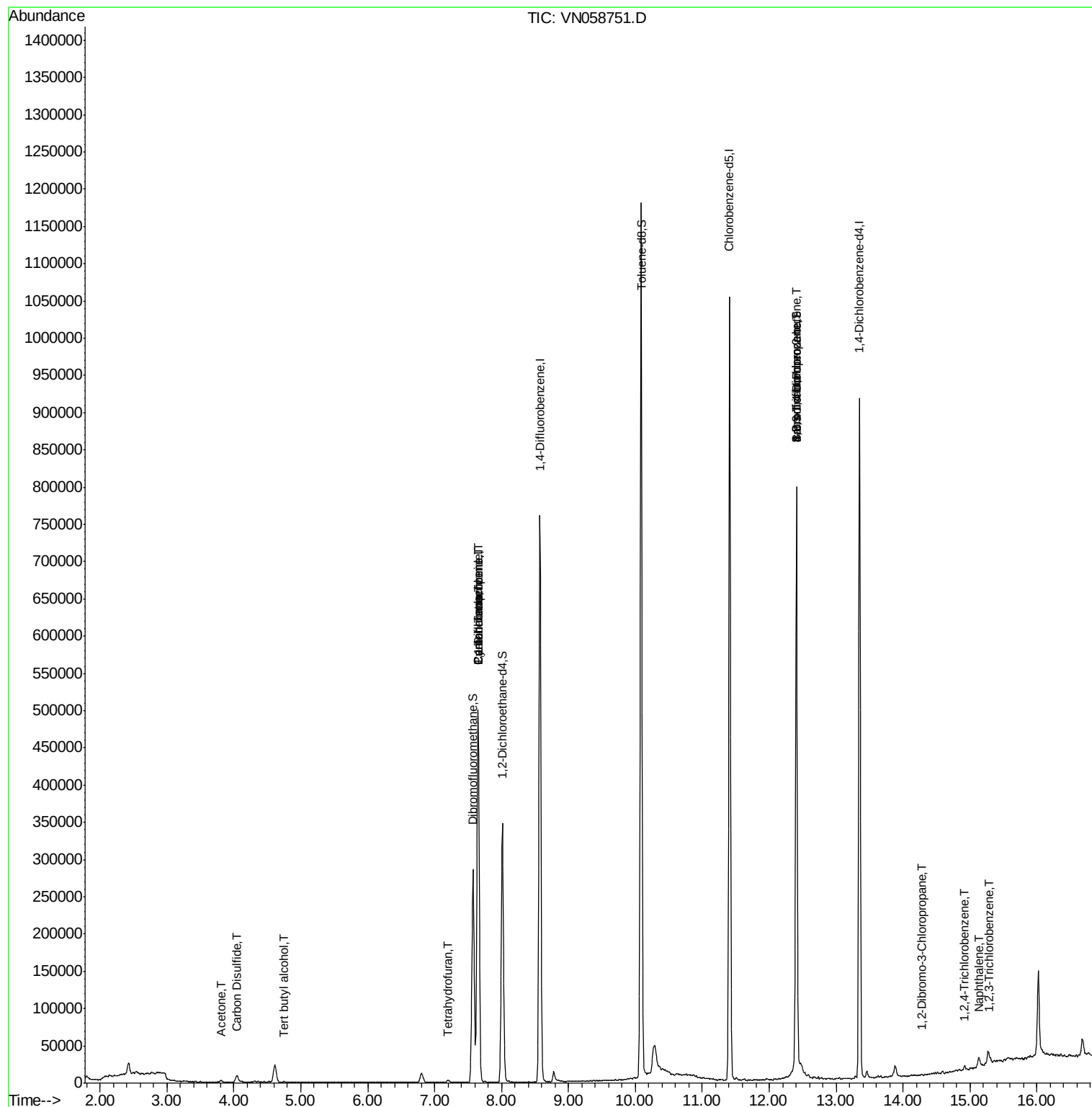
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	676	0.767	ug/l #	72
16) Acetone	3.81	43	3373	1.497	ug/l #	88
17) Carbon Disulfide	4.03	76	3086	0.259	ug/l #	75
29) Tetrahydrofuran	7.19	42	2546	1.210	ug/l #	74
31) Cyclohexane	7.65	56	9230	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32447	4.912	ug/l #	50
38) Carbon Tetrachloride	7.65	117	39686	6.164	ug/l #	16
71) Bromoform	12.40	173	1322	0.412	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	141130	27.415	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	141130	73.435	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	593	0.453	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.92	180	1678	0.370	ug/l	92
95) Naphthalene	15.14	128	7405	0.568	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	1910	0.432	ug/l	89

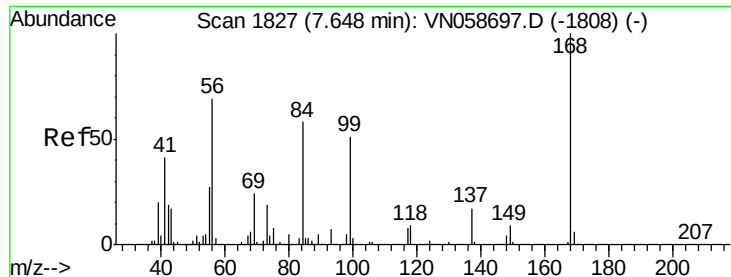
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

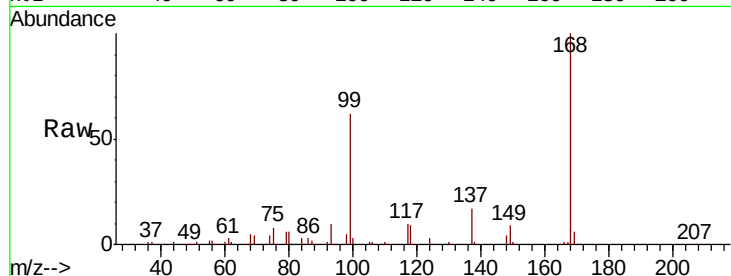
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 388725

Ion Ratio Lower Upper

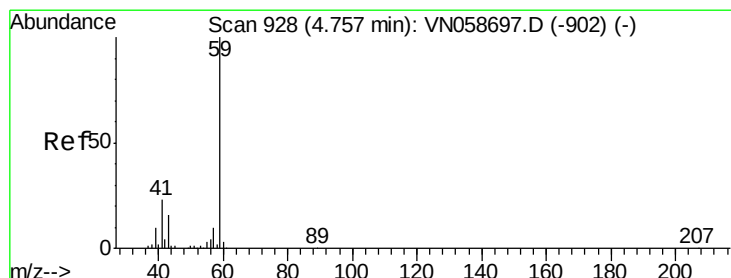
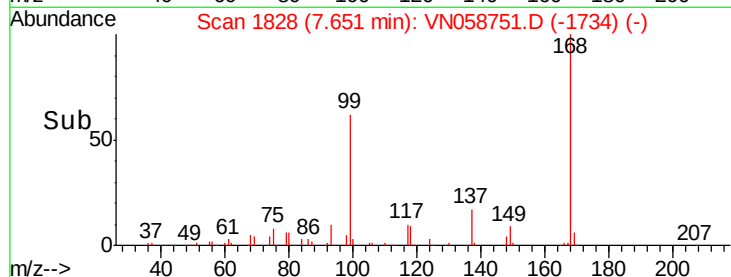
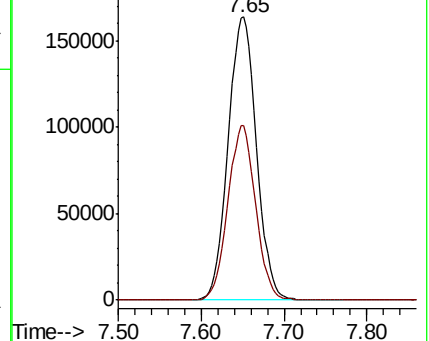
168 100

99 61.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.767 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN058751.D

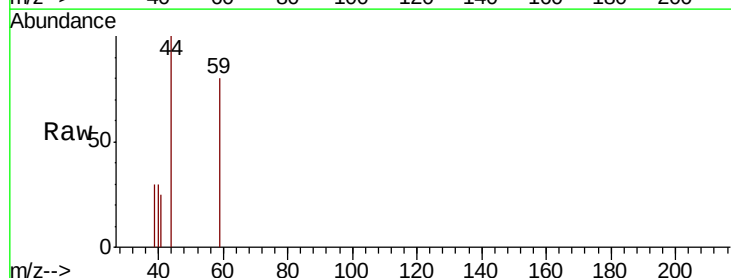
Acq: 14 Oct 2019 15:49

Tgt Ion: 59 Resp: 676

Ion Ratio Lower Upper

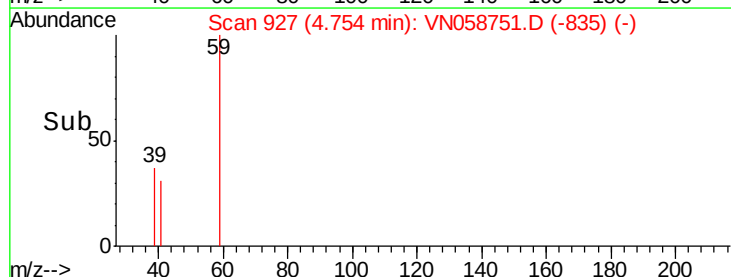
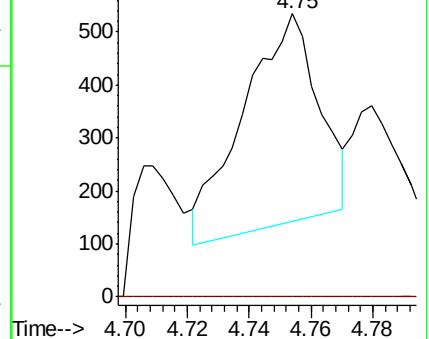
59 100

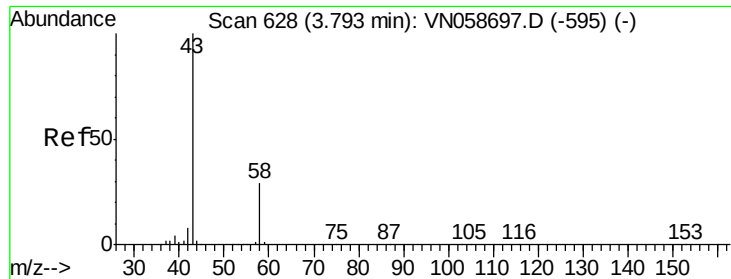
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 1.497 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

Instrument :

MSVOA_N

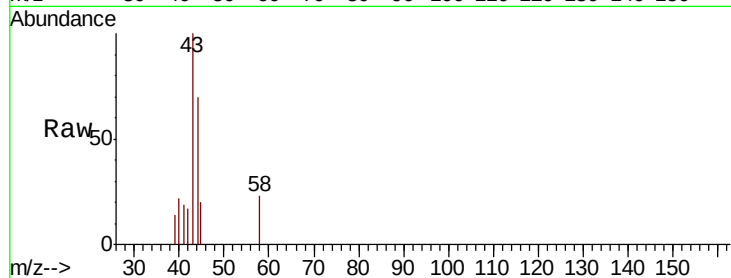
ClientSampled :

Tot Ion: 43 Resp: 3373

Ion Ratio Lower Upper

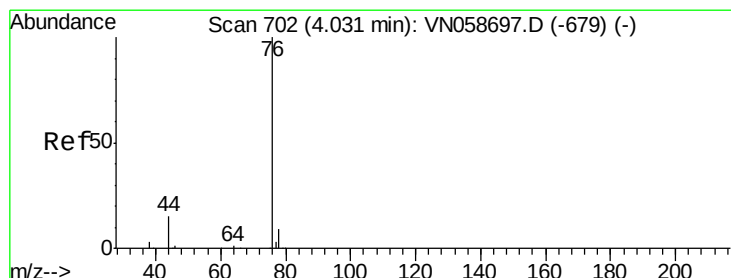
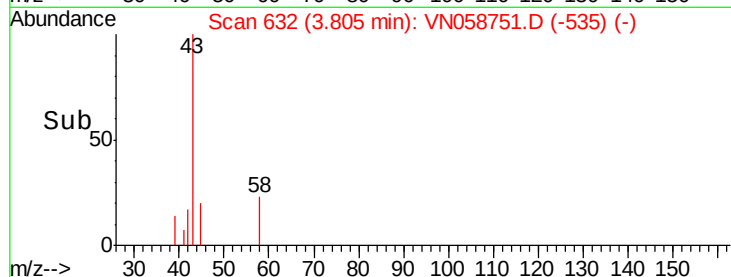
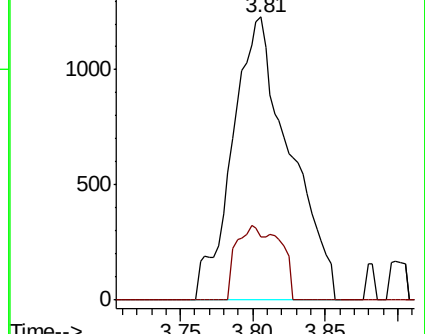
43 100

58 22.5 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.259 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058751.D

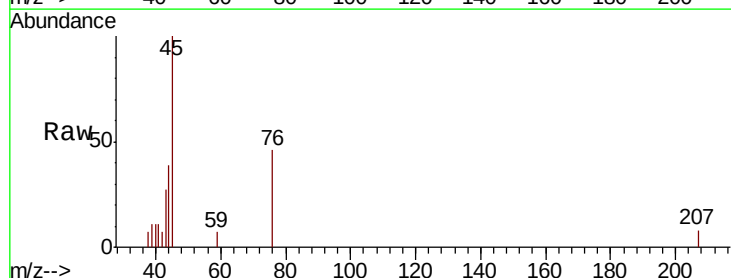
Acq: 14 Oct 2019 15:49

Tgt Ion: 76 Resp: 3086

Ion Ratio Lower Upper

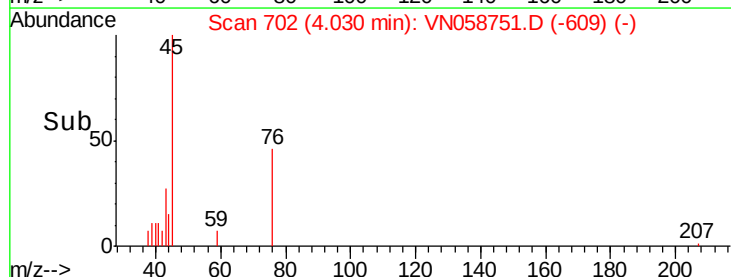
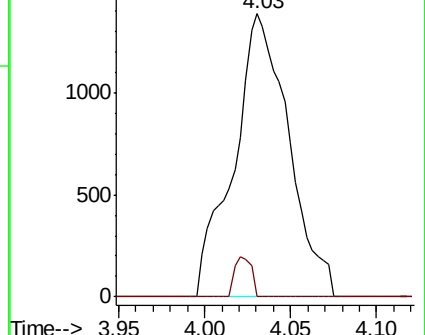
76 100

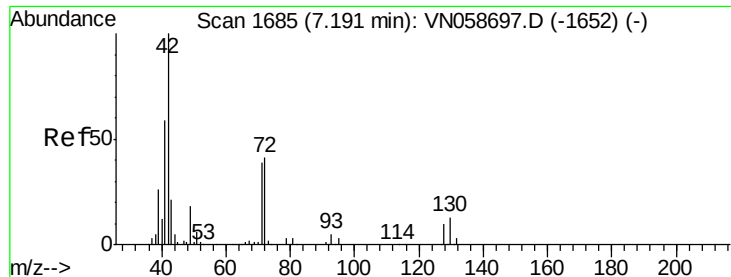
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

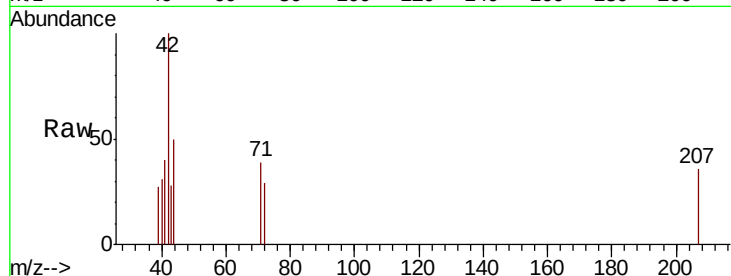




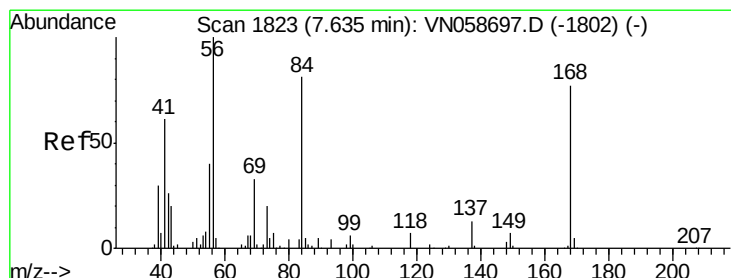
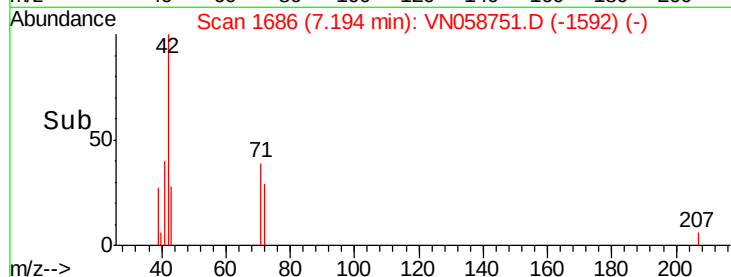
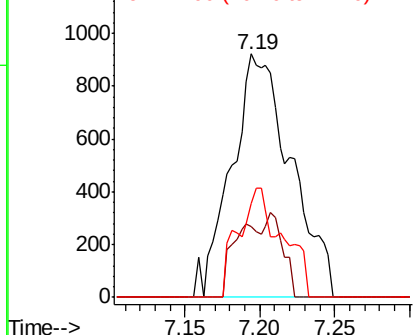
#29
Tetrahydrofuran
Concen: 1.210 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058751.D
Acq: 14 Oct 2019 15:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 2546
Ion Ratio Lower Upper
42 100
72 14.3 32.8 49.2#
71 33.4 31.1 46.7

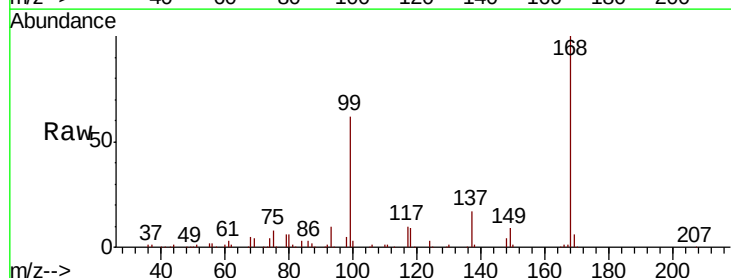


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

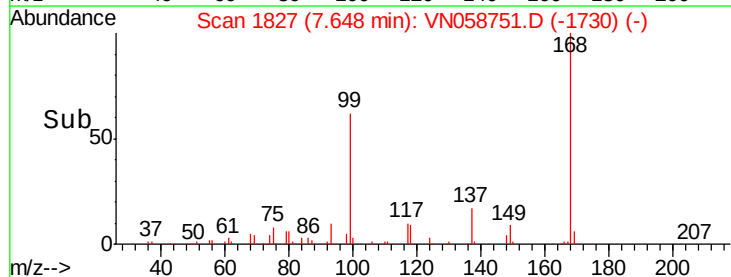
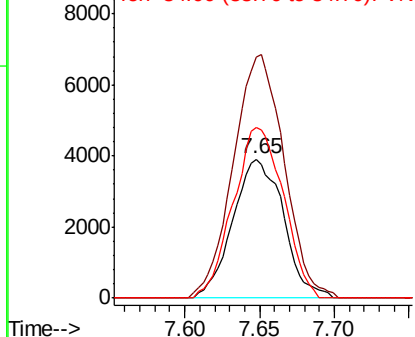


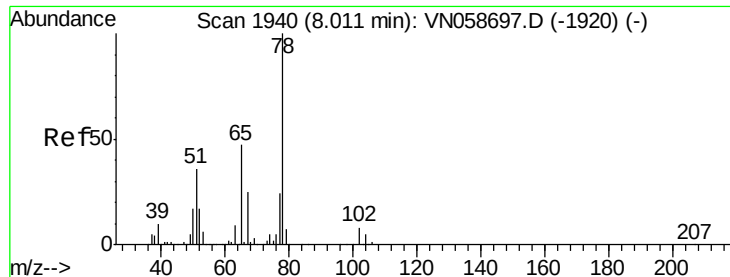
#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058751.D
Acq: 14 Oct 2019 15:49

Tgt Ion: 56 Resp: 9230
Ion Ratio Lower Upper
56 100
69 172.9 26.2 39.4#
84 122.6 64.9 97.3#



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

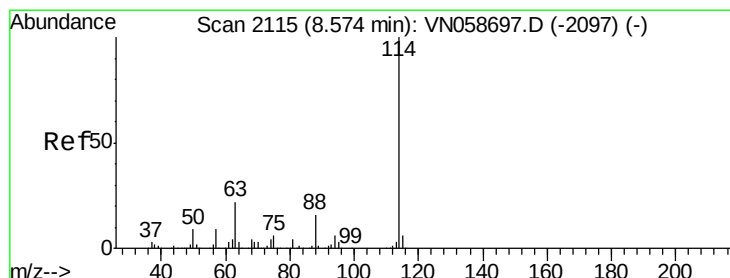
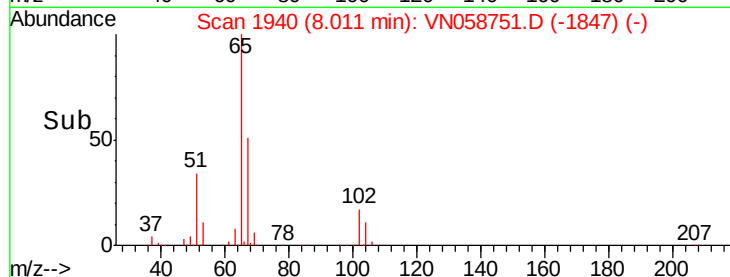
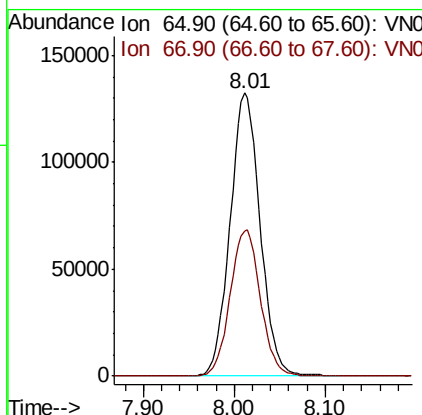
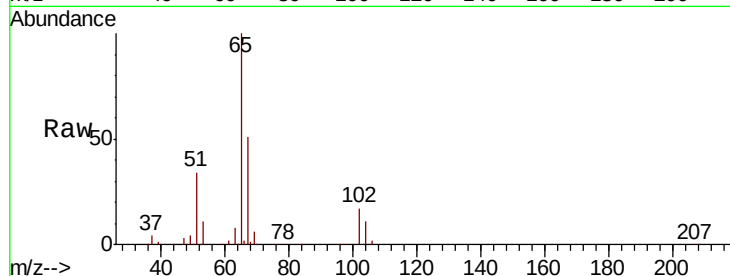




#33
 1,2-Dichloroethane-d4
 Concen: 55.899 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058751.D
 Acq: 14 Oct 2019 15:49

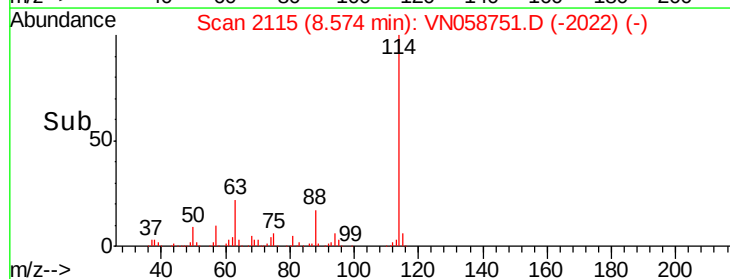
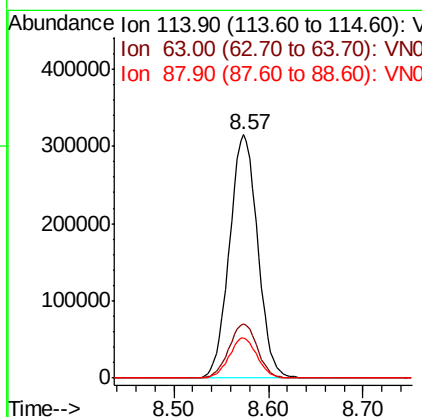
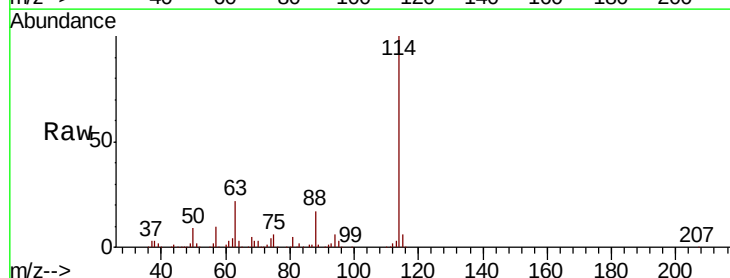
Instrument :
 MSVOA_N
 ClientSampled :

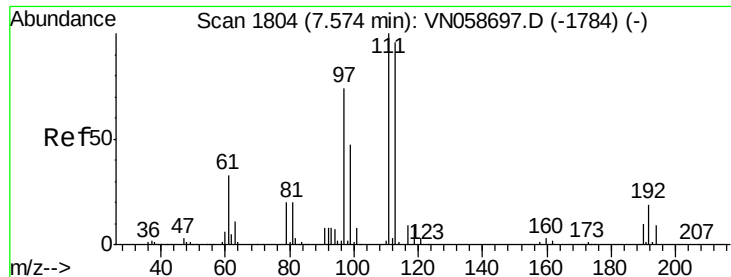
Tot Ion: 65 Resp: 304207
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058751.D
 Acq: 14 Oct 2019 15:49

Tgt Ion: 114 Resp: 653355
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.138 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

Instrument :
MSVOA_N
ClientSampled :

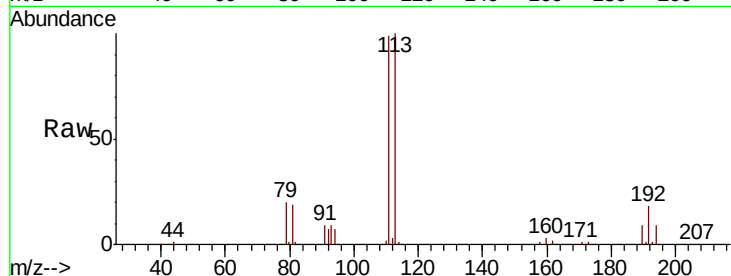
Tot Ion:113 Resp: 214445

Ion Ratio Lower Upper

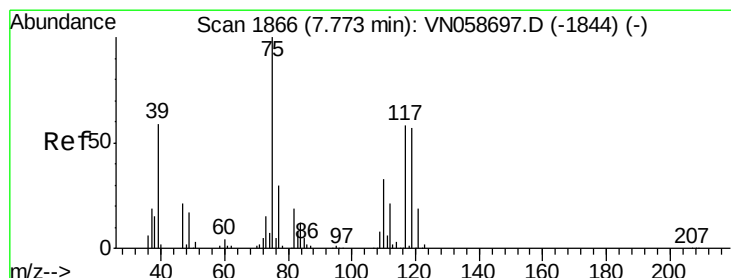
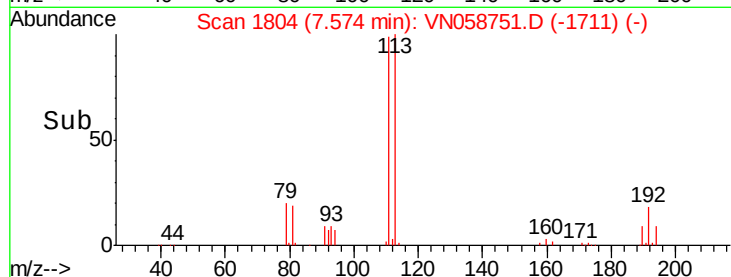
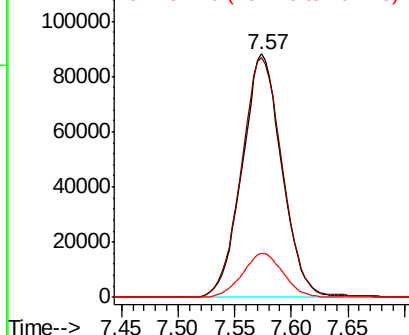
113 100

111 102.3 82.3 123.5

192 18.6 15.0 22.6



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: 4.912 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

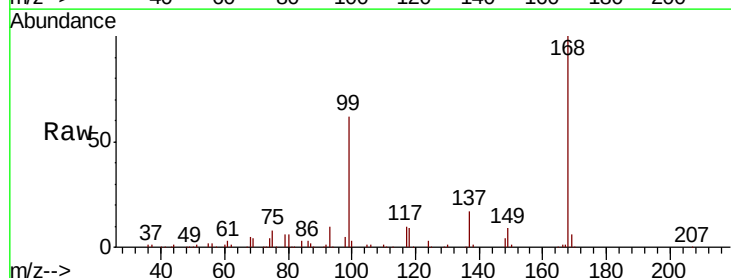
Tgt Ion: 75 Resp: 32447

Ion Ratio Lower Upper

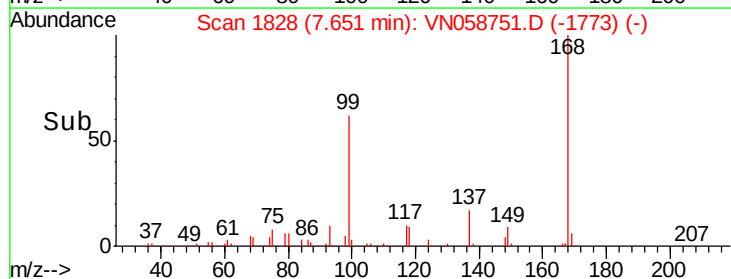
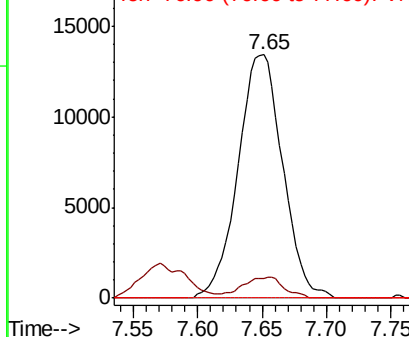
75 100

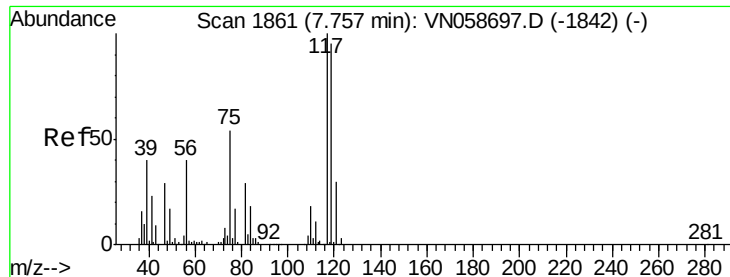
110 8.1 16.6 49.8#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.164 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

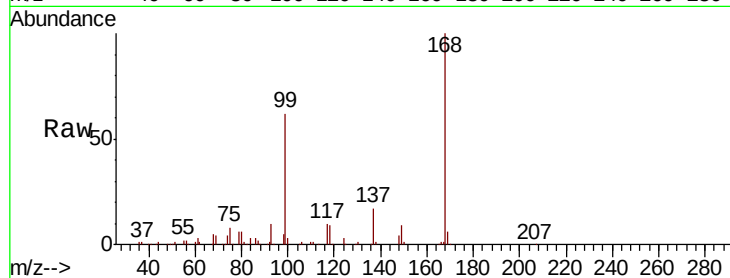
Tot Ion:117 Resp: 39686

Ion Ratio Lower Upper

117 100

119 4.3 75.7 113.5#

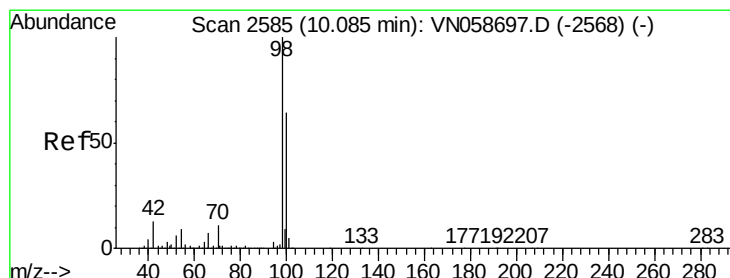
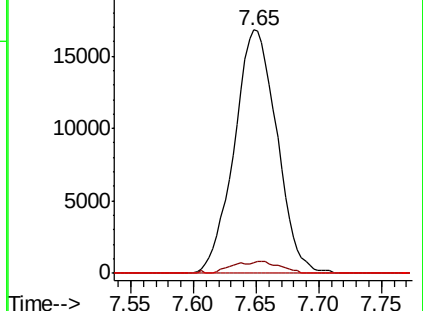
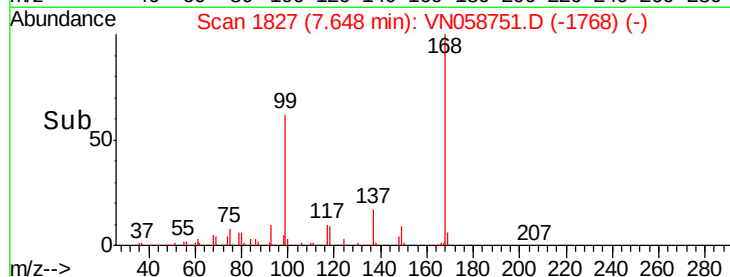
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.063 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058751.D

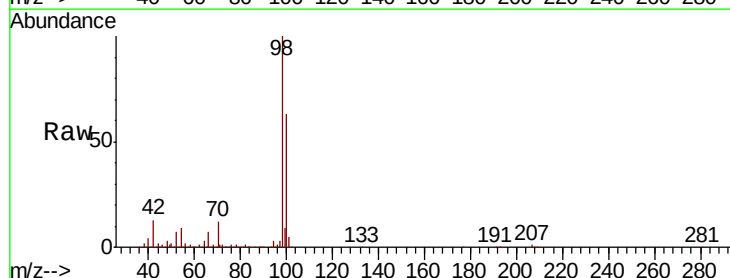
Acq: 14 Oct 2019 15:49

Tgt Ion: 98 Resp: 791777

Ion Ratio Lower Upper

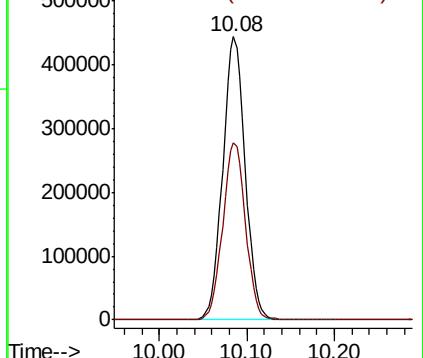
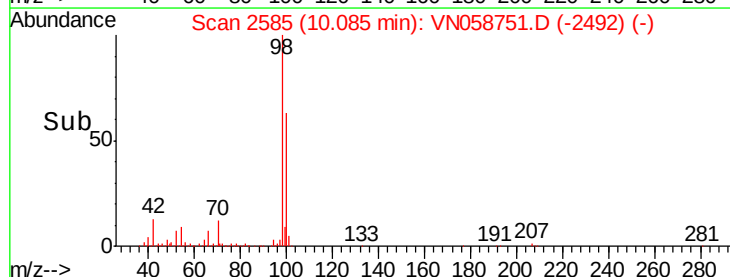
98 100

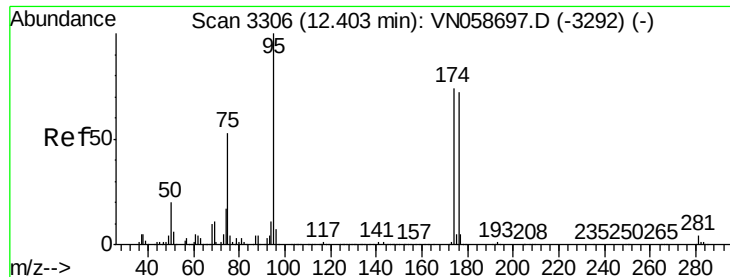
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

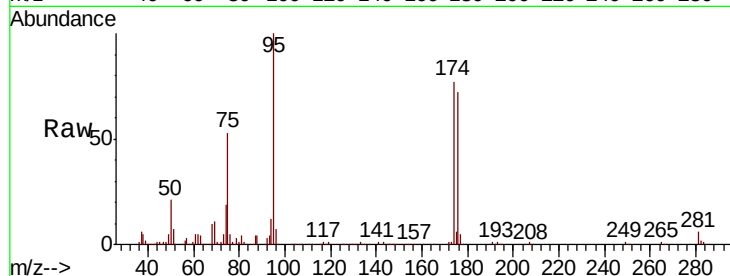




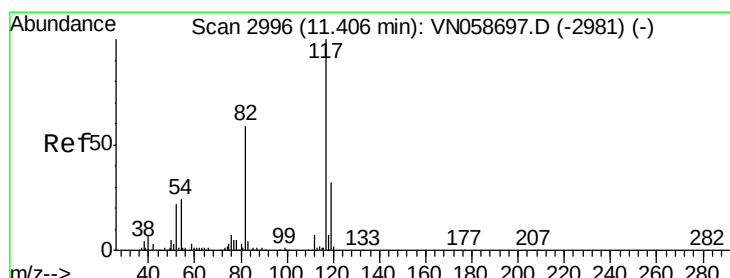
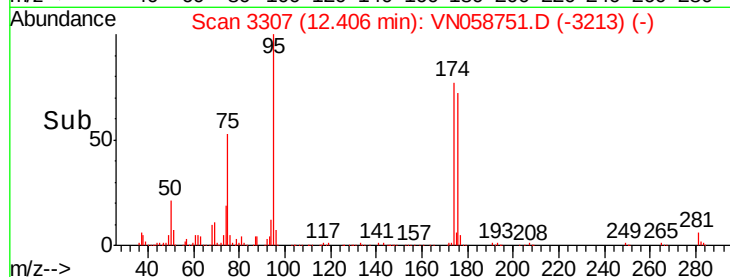
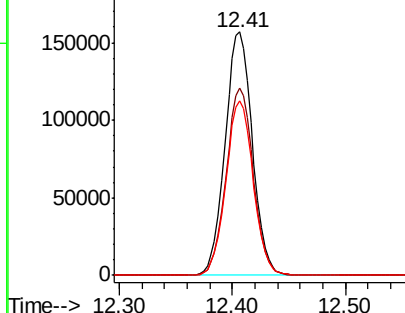
#62
4-Bromofluorobenzene
Concen: 43.088 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058751.D
Acq: 14 Oct 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 95 Resp: 263209
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.4
176 72.0 0.0 146.8

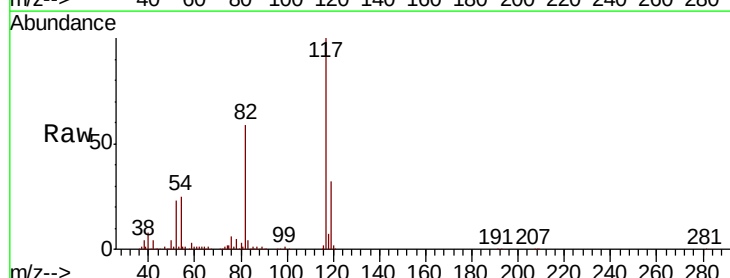


Abundance Ion 94.90 (94.60 to 95.60): VN058697.D (-3292) (-)
Ion 173.80 (173.50 to 174.50): VN058697.D (-3292) (-)
Ion 175.80 (175.50 to 176.50): VN058697.D (-3292) (-)

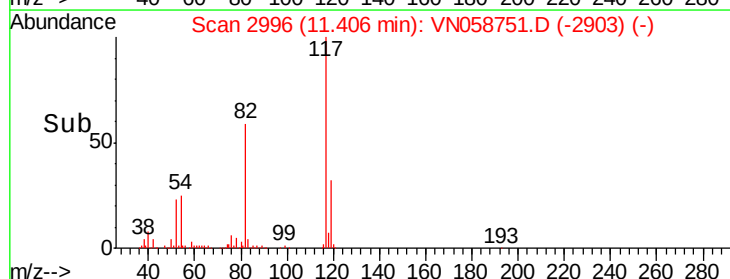
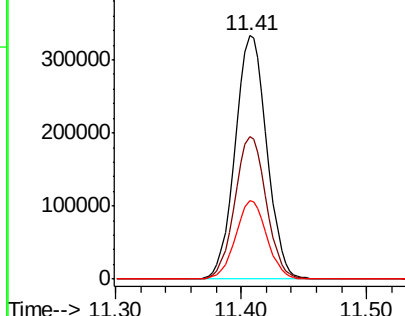


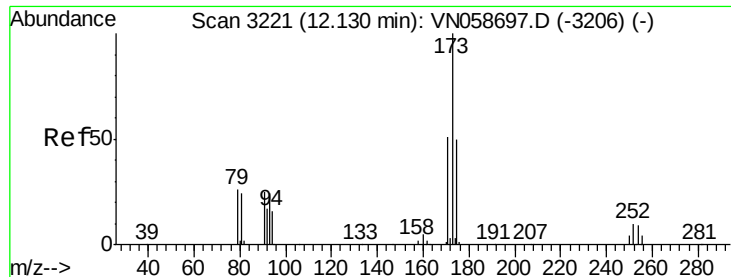
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058751.D
Acq: 14 Oct 2019 15:49

Tgt Ion: 117 Resp: 583093
Ion Ratio Lower Upper
117 100
82 58.6 47.0 70.4
119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN058697.D (-2981) (-)
Ion 82.00 (81.70 to 82.70): VN058697.D (-2981) (-)
Ion 118.90 (118.60 to 119.60): VN058697.D (-2981) (-)





#71

Bromoform

Concen: 0.412 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

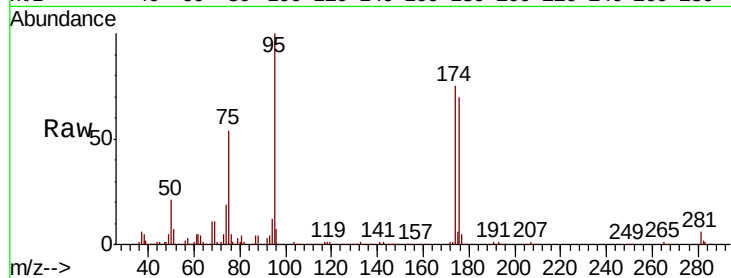
Tot Ion:173 Resp: 1322

Ion Ratio Lower Upper

173 100

175 971.5 24.6 73.8#

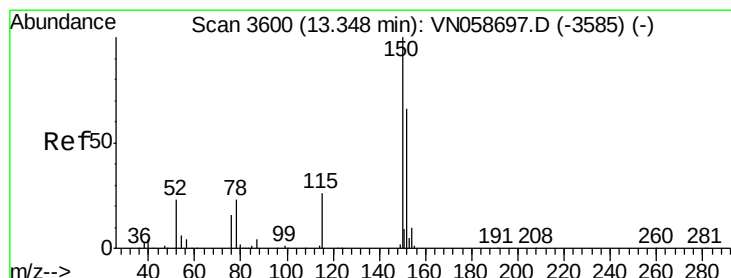
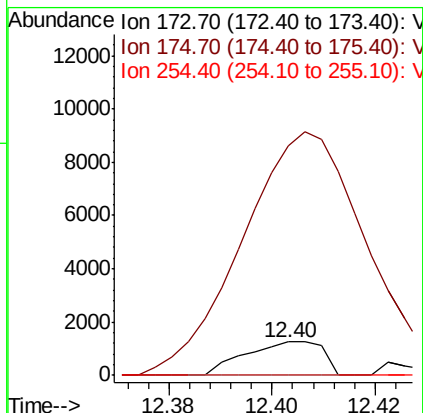
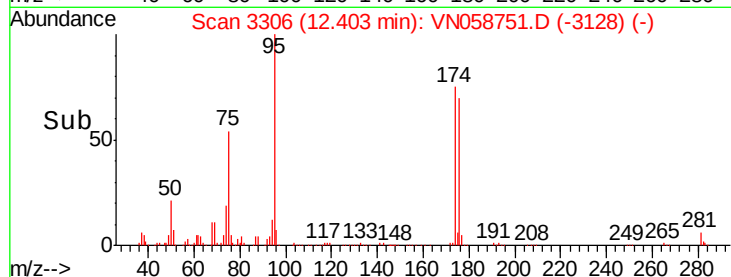
254 0.0 0.1 0.1#



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# 3600

Delta R.T. -0.00 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

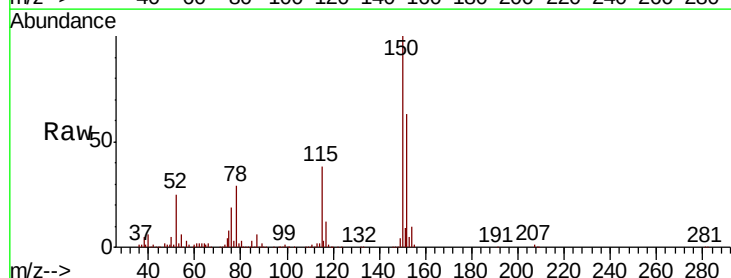
Tgt Ion:152 Resp: 234664

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.2

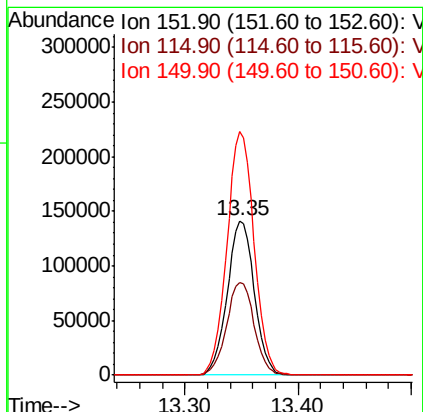
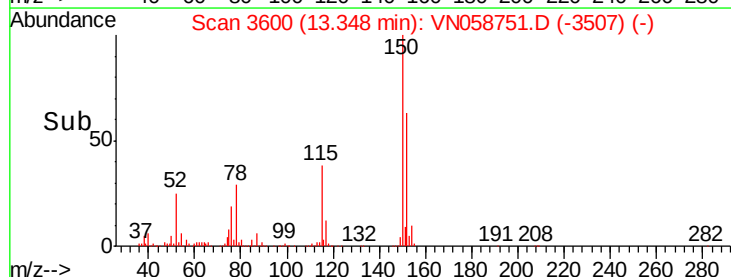
150 157.9 0.0 345.4

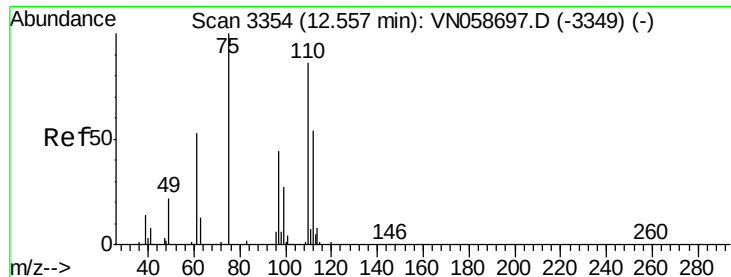


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.415 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

Instrument :

MSVOA_N

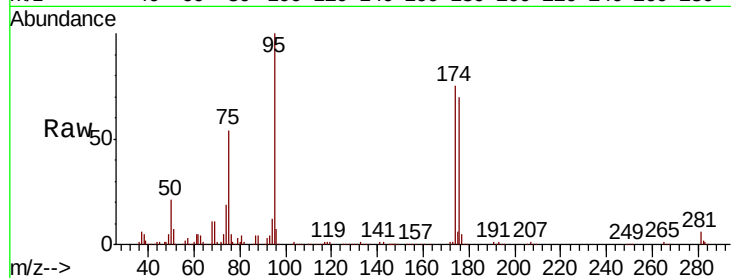
ClientSampled :

Tot Ion: 75 Resp: 141130

Ion Ratio Lower Upper

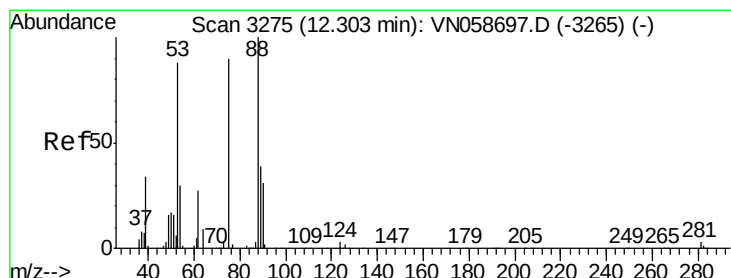
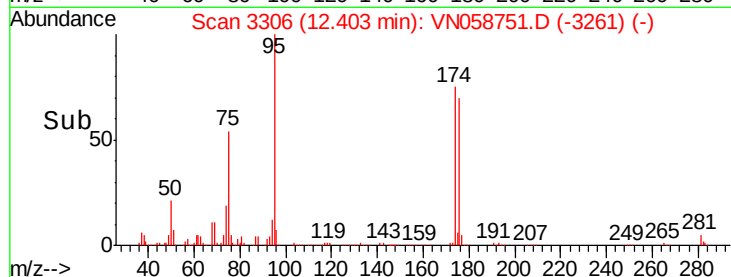
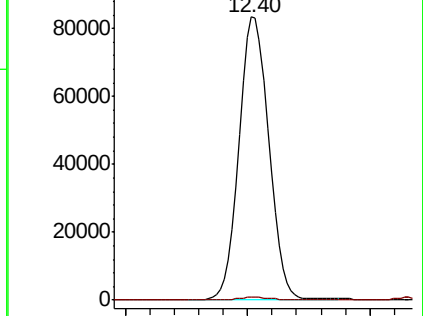
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 73.435 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

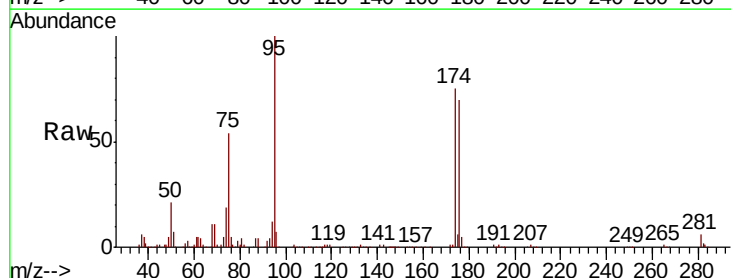
Tgt Ion: 75 Resp: 141130

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

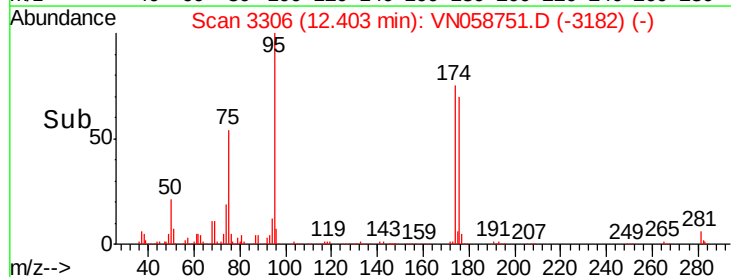
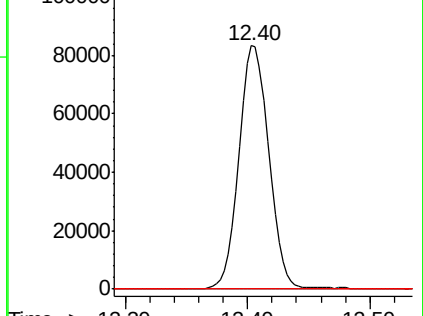
89 0.0 34.9 52.3#

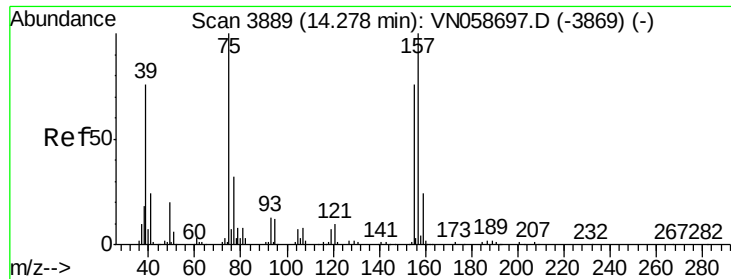


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

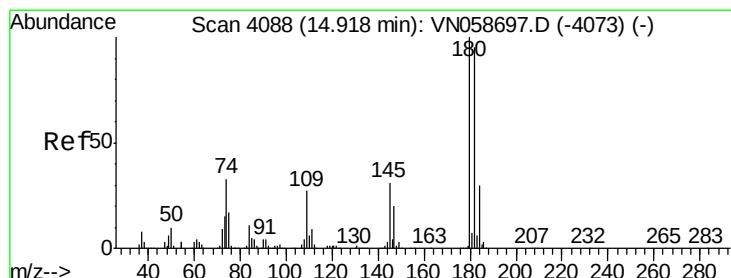
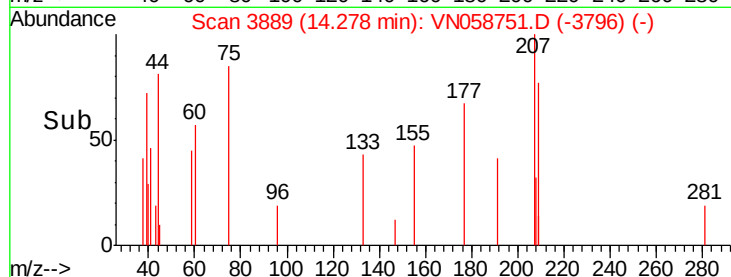
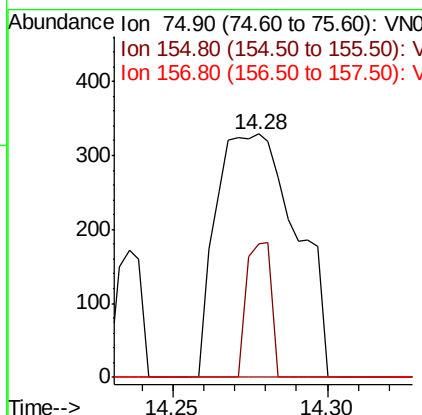
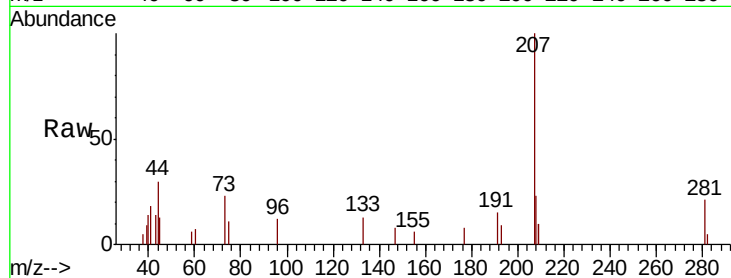




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.453 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058751.D
 Acq: 14 Oct 2019 15:49

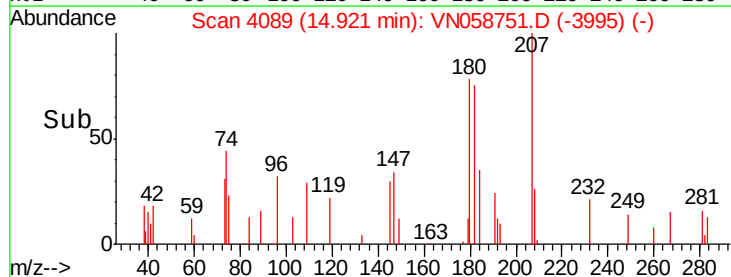
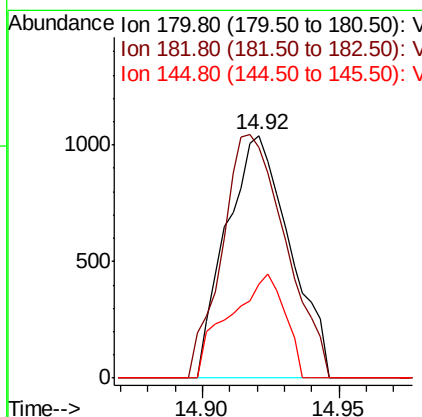
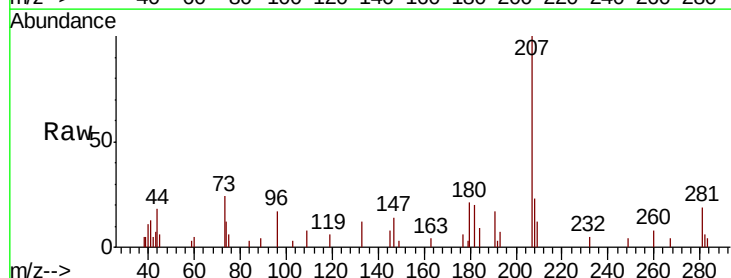
Instrument :
 MSVOA_N
 ClientSampled :

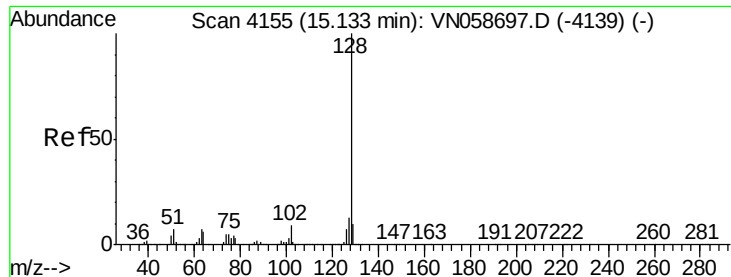
Tot Ion: 75 Resp: 593
 Ion Ratio Lower Upper
 75 100
 155 17.0 37.9 113.6#
 157 0.0 49.4 148.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.370 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058751.D
 Acq: 14 Oct 2019 15:49

Tgt Ion: 180 Resp: 1678
 Ion Ratio Lower Upper
 180 100
 182 100.8 47.4 142.2
 145 37.5 15.4 46.2





#95

Naphthalene

Concen: 0.568 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

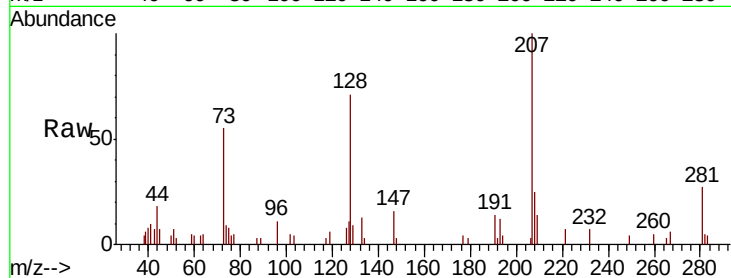
Tot Ion:128 Resp: 7405

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

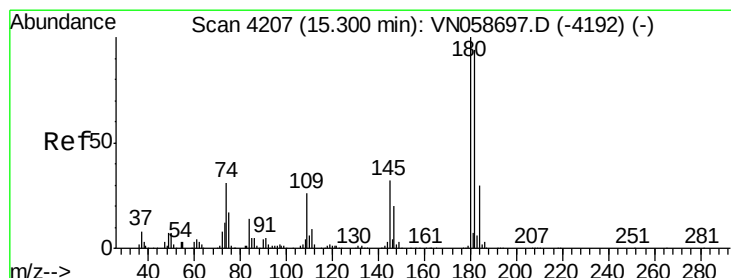
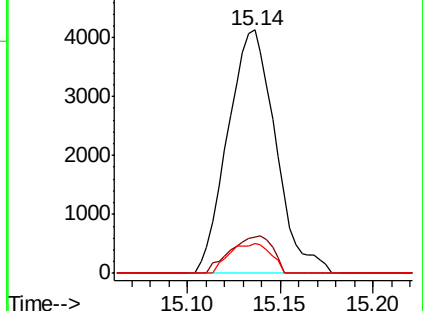
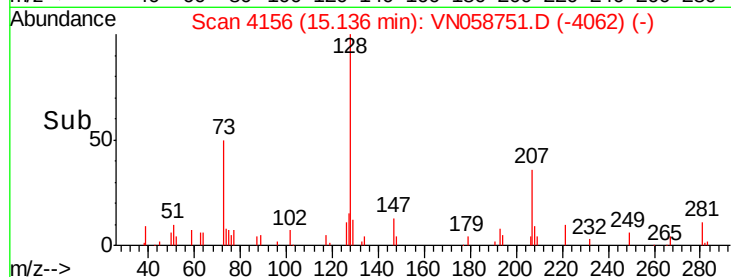
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.432 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058751.D

Acq: 14 Oct 2019 15:49

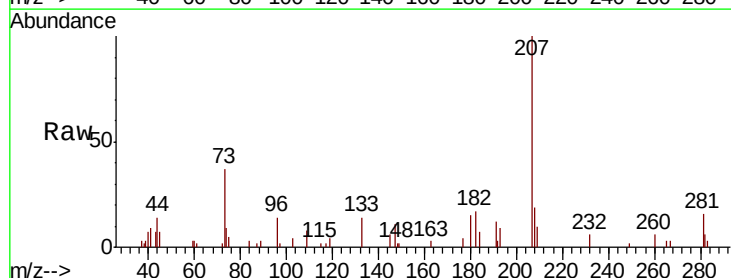
Tgt Ion:180 Resp: 1910

Ion Ratio Lower Upper

180 100

182 108.4 47.3 142.0

145 32.7 16.2 48.6



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

