

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058573.D
 Acq On : 7 Oct 2019 17:53
 Operator : JC/SP
 Sample : K5197-03DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 14:06:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	505623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	793829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	695958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285079	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	340816	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
35) Dibromofluoromethane	7.57	113	239110	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	10.08	98	967602	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.41	95	331165	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

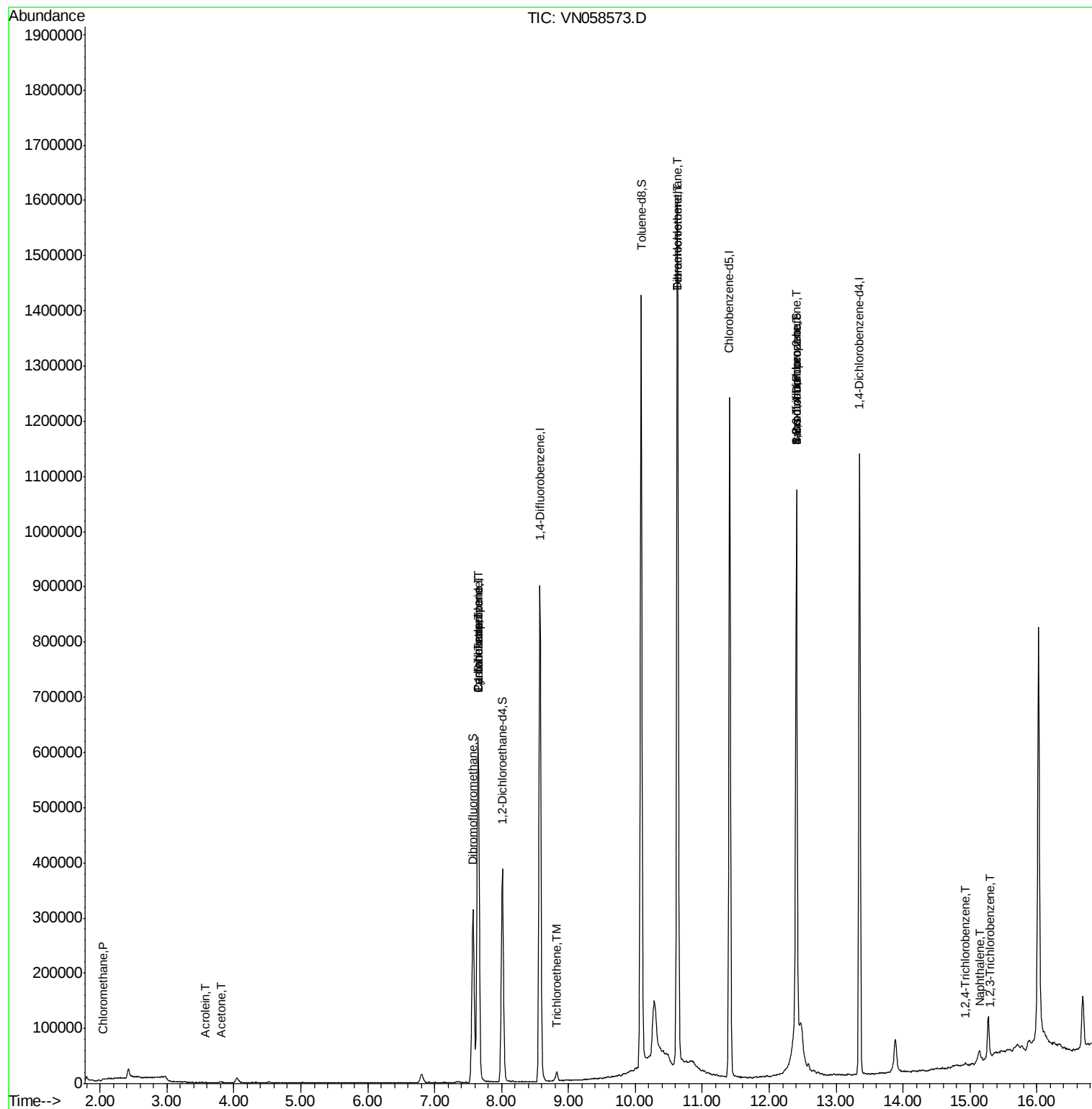
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1867	0.306	ug/l	97
13) Acrolein	3.57	56	60	0.230	ug/l #	13
16) Acetone	3.80	43	2414	0.958	ug/l	92
31) Cyclohexane	7.65	56	11473	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	42010	5.535	ug/l #	51
38) Carbon Tetrachloride	7.65	117	50833	7.419	ug/l #	17
44) Trichloroethene	8.83	130	5674	1.053	ug/l	99
60) Dibromochloromethane	10.63	129	328866	63.659	ug/l #	11
64) Tetrachloroethene	10.63	164	354757	80.232	ug/l	99
71) Bromoform	12.41	173	1991	1.304	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	171335	32.905	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	171335	99.936	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.93	180	989	0.208	ug/l	77
95) Naphthalene	15.14	128	4021	0.260	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	1214	0.229	ug/l	86

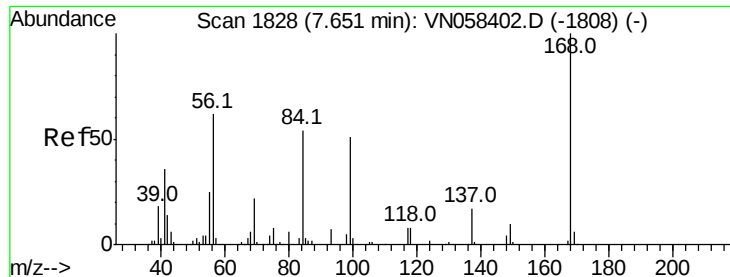
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 30 08:07:38 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: VN058573.D

Acq: 7 Oct 2019 17:53

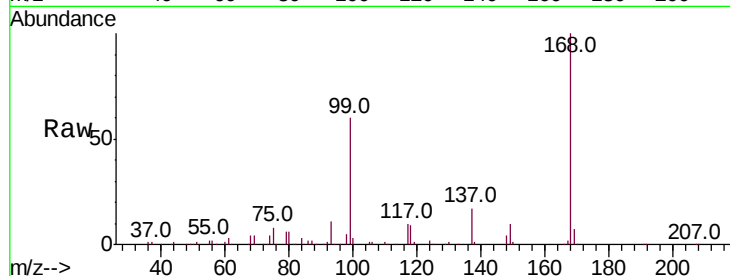
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 505623

Ion Ratio Lower Upper

168 100

99 59.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

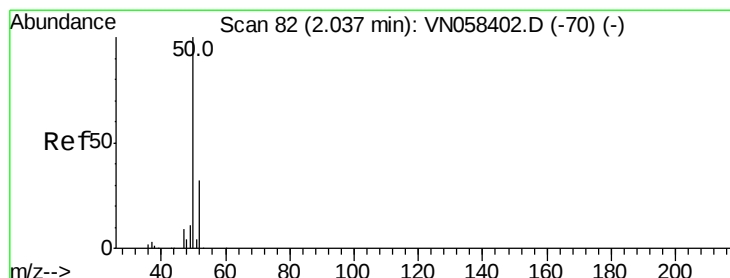
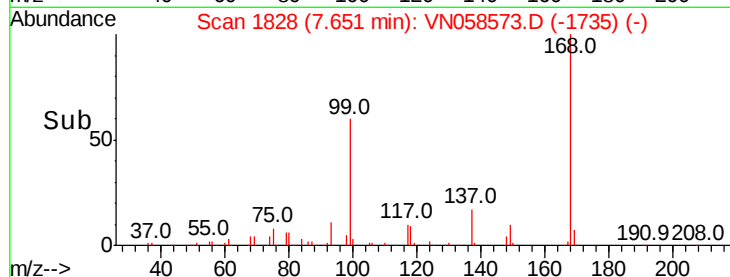
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.306 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058573.D

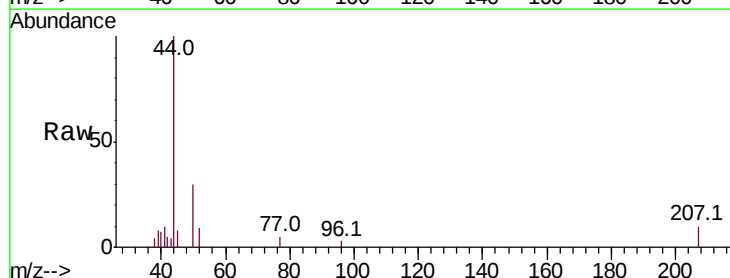
Acq: 7 Oct 2019 17:53

Tgt Ion: 50 Resp: 1867

Ion Ratio Lower Upper

50 100

52 30.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

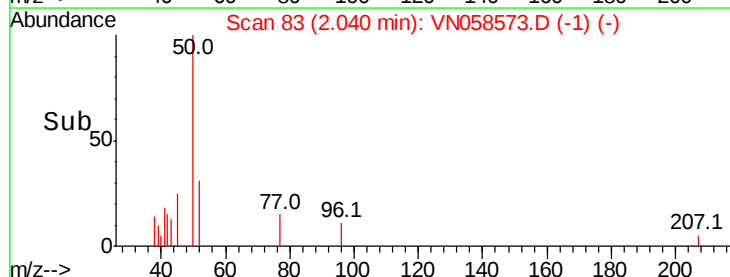
1500

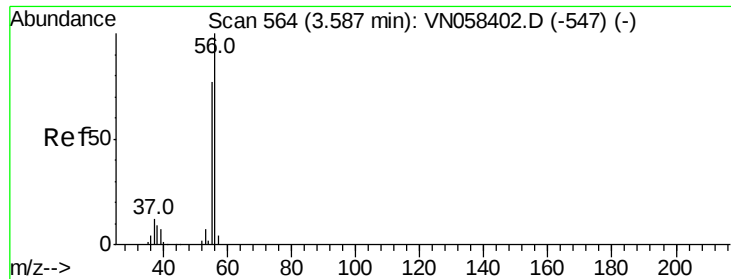
1000

500

0

Time--> 2.00 2.05





#13

Acrolein

Concen: 0.230 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

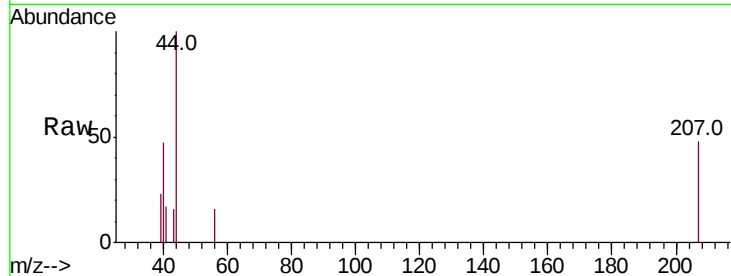
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

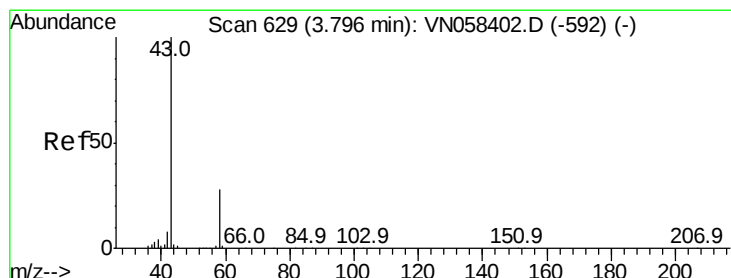
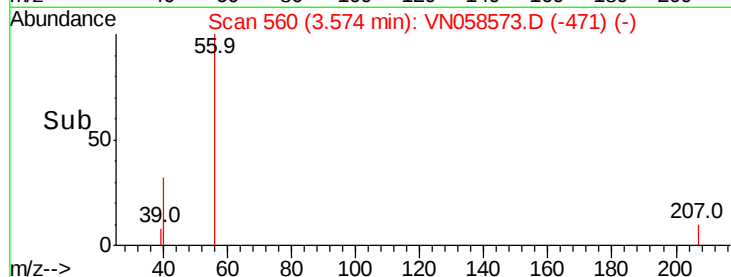
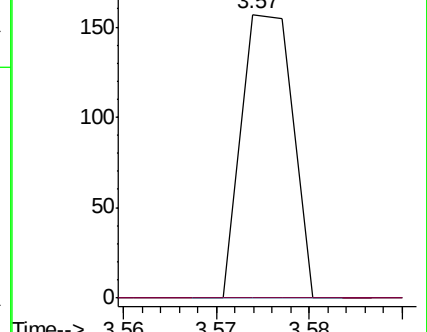
56 100

55 0.0 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.958 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058573.D

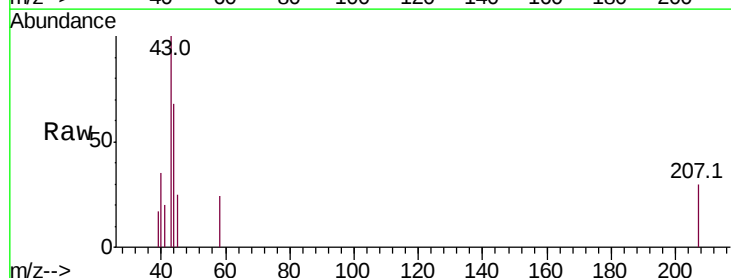
Acq: 7 Oct 2019 17:53

Tgt Ion: 43 Resp: 2414

Ion Ratio Lower Upper

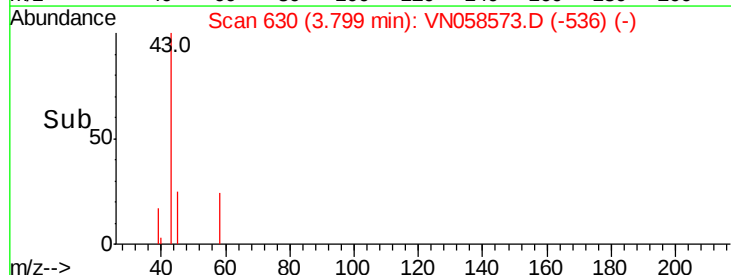
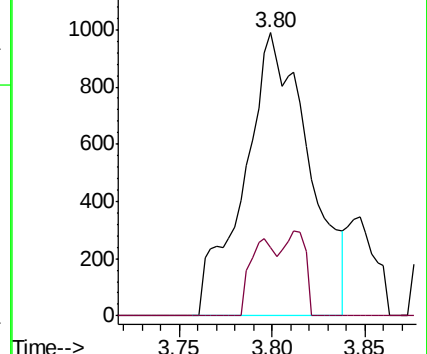
43 100

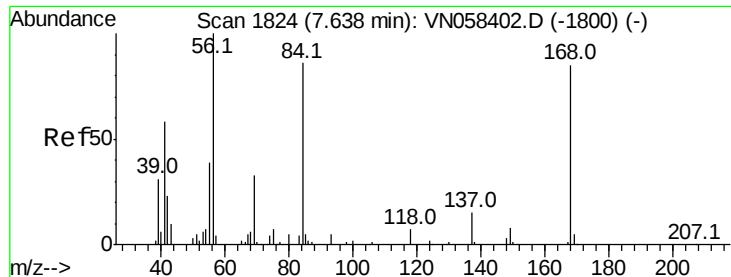
58 24.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

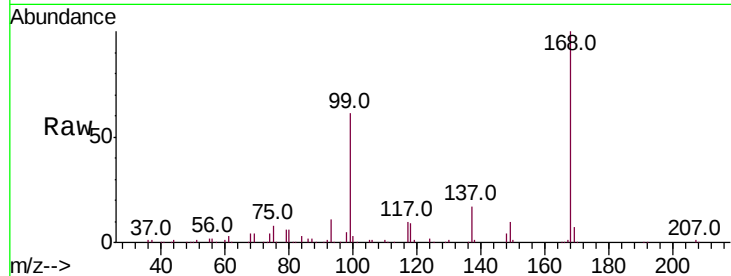




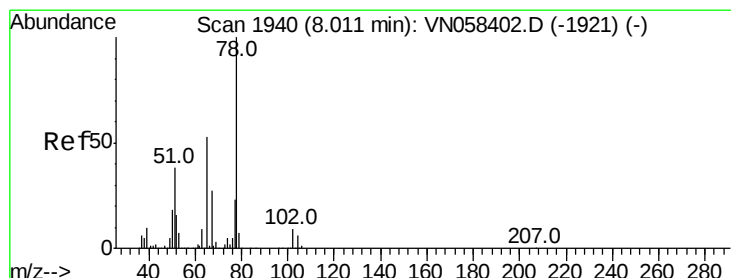
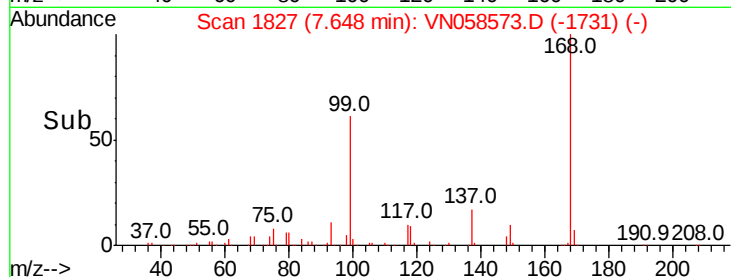
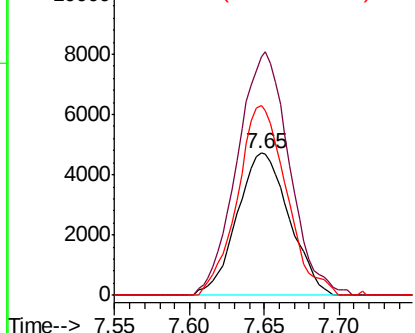
#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058573.D
Acq: 7 Oct 2019 17:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 11473
Ion Ratio Lower Upper
56 100
69 168.4 26.2 39.4#
84 133.7 67.6 101.4#

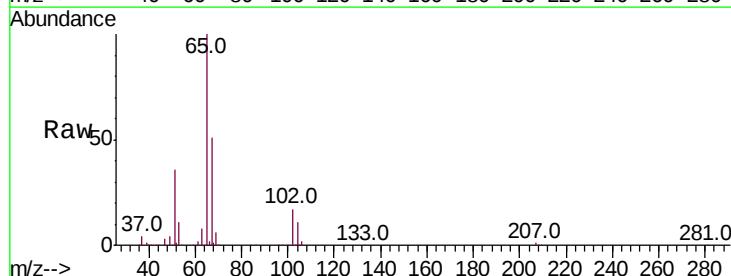


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

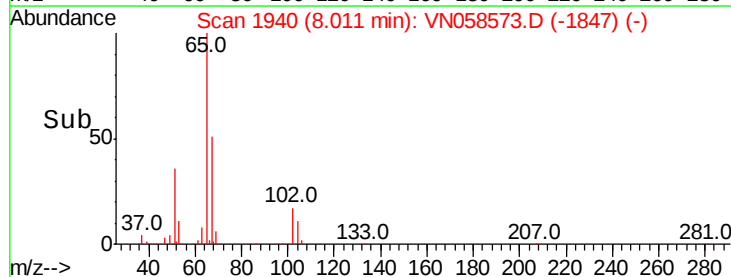
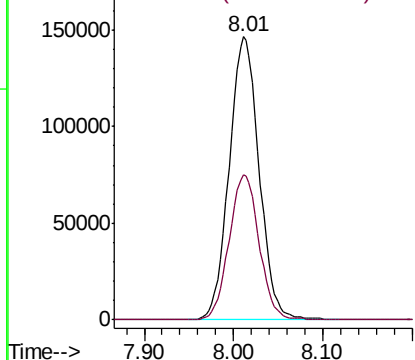


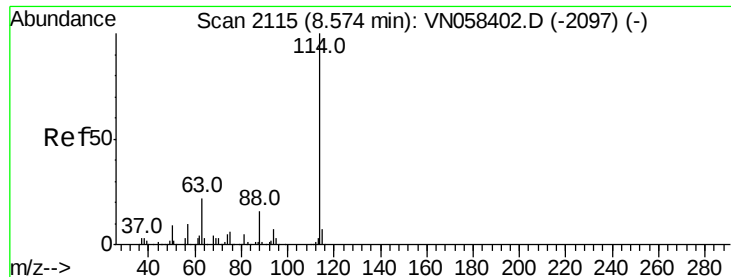
#33
1,2-Dichloroethane-d4
Concen: 46.126 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058573.D
Acq: 7 Oct 2019 17:53

Tgt Ion: 65 Resp: 340816
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4



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

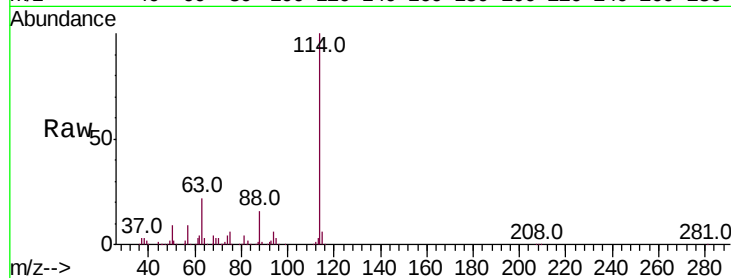




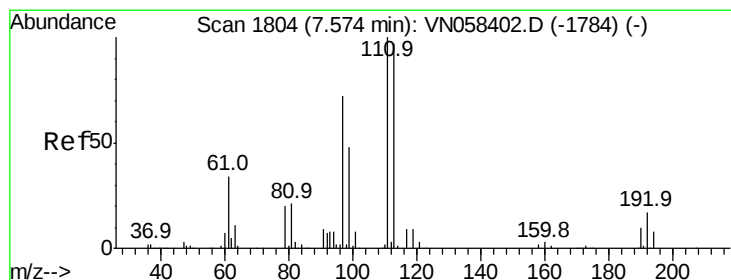
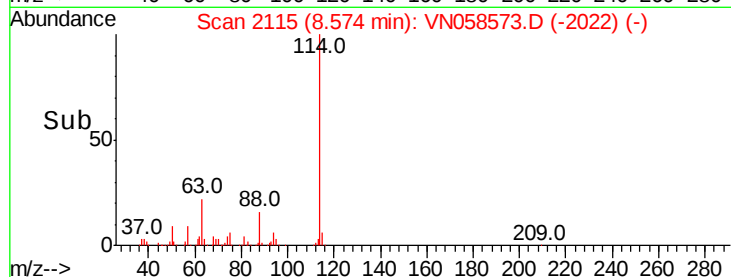
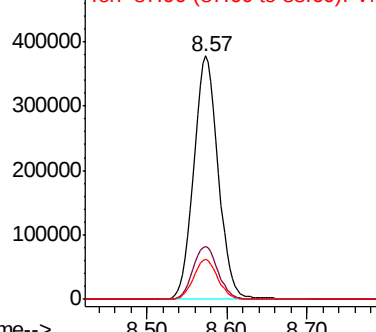
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058573.D
Acq: 7 Oct 2019 17:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 793829
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.0
88 16.2 0.0 32.2

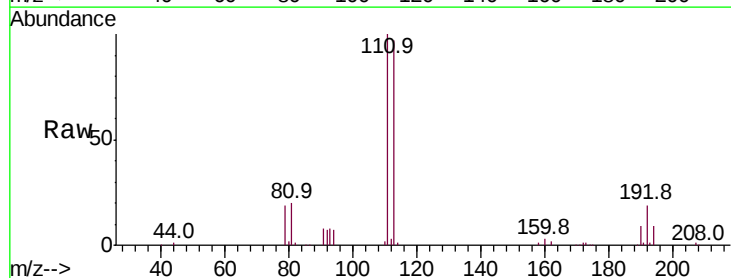


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

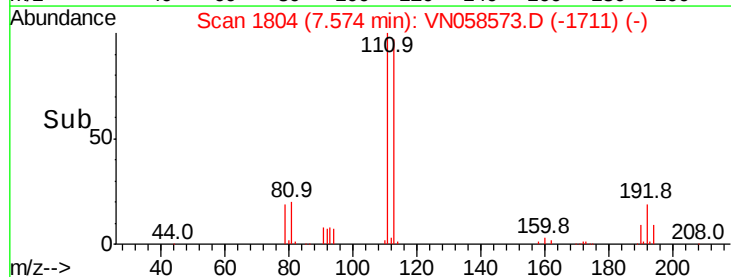
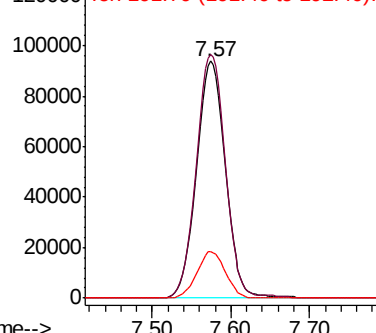


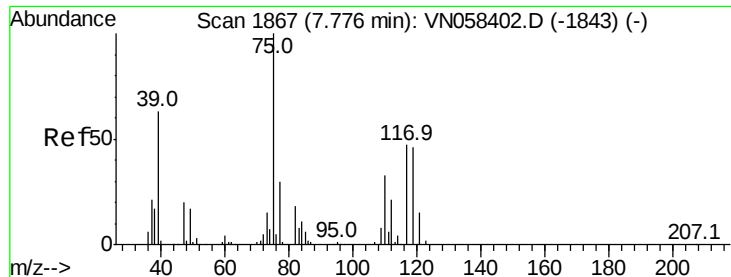
#35
Dibromofluoromethane
Concen: 49.146 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058573.D
Acq: 7 Oct 2019 17:53

Tgt Ion:113 Resp: 239110
Ion Ratio Lower Upper
113 100
111 103.6 83.4 125.2
192 19.4 14.9 22.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.535 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :

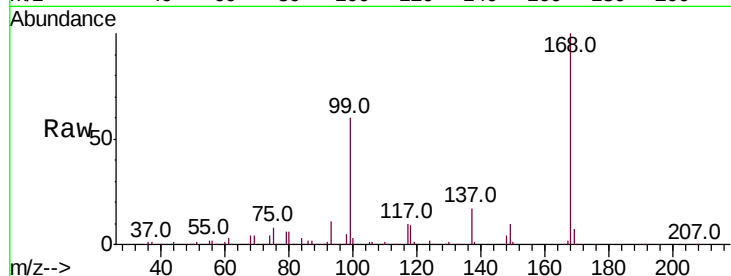
Tot Ion: 75 Resp: 42010

Ion Ratio Lower Upper

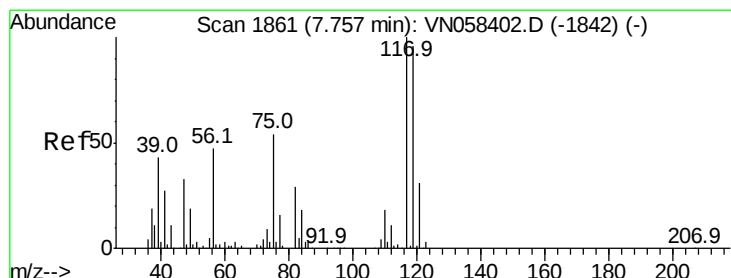
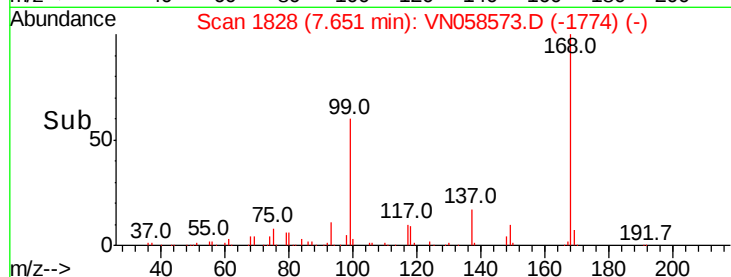
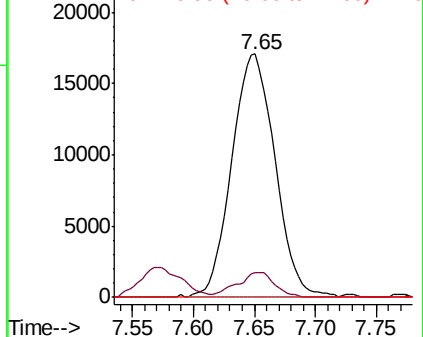
75 100

110 8.9 16.4 49.2#

77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 7.419 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

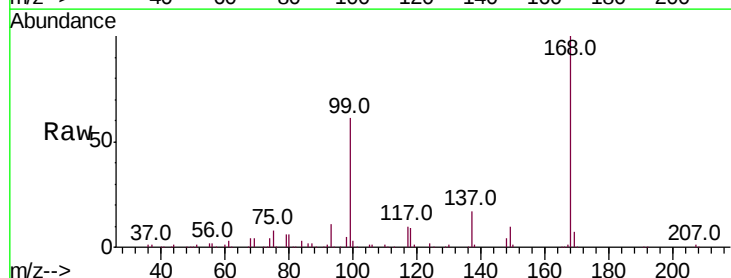
Tgt Ion: 117 Resp: 50833

Ion Ratio Lower Upper

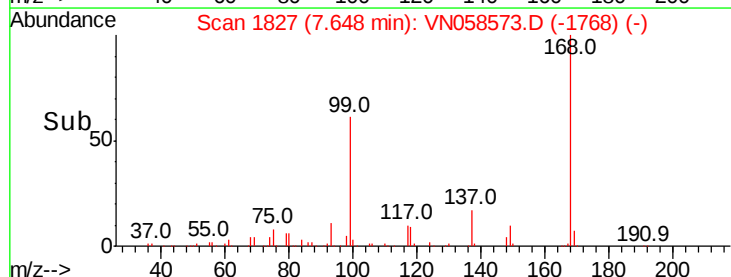
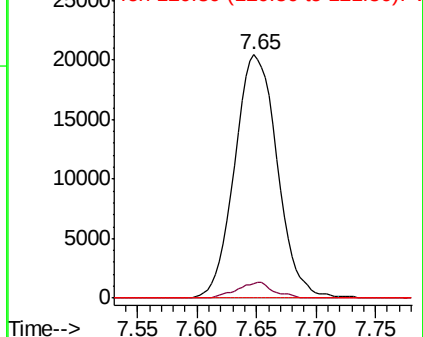
117 100

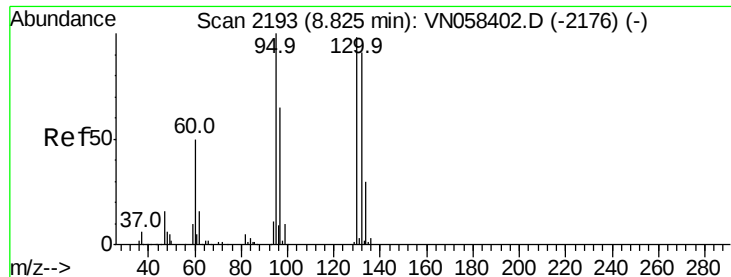
119 5.9 76.6 115.0#

121 0.0 24.7 37.1#



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





#44

Trichloroethene

Concen: 1.053 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

Instrument :

MSVOA_N

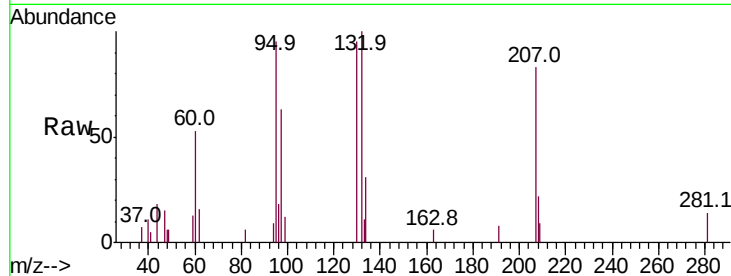
ClientSampleId :

Tot Ion:130 Resp: 5674

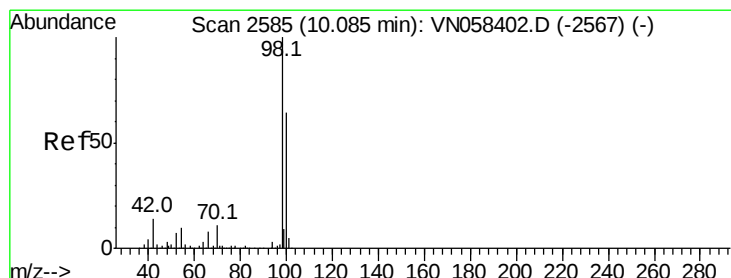
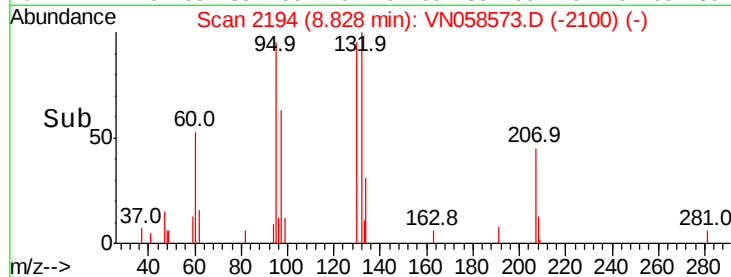
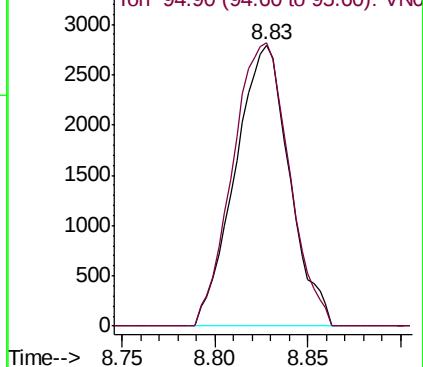
Ion Ratio Lower Upper

130 100

95 100.8 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)



#50

Toluene-d8

Concen: 50.768 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058573.D

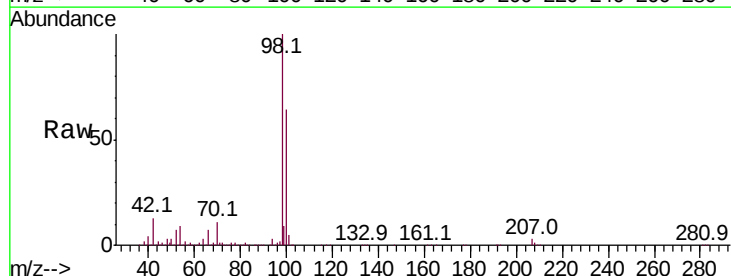
Acq: 7 Oct 2019 17:53

Tgt Ion: 98 Resp: 967602

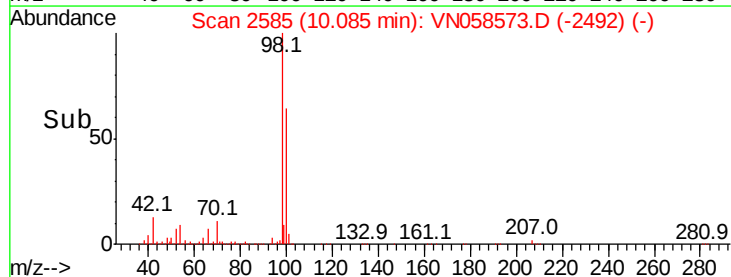
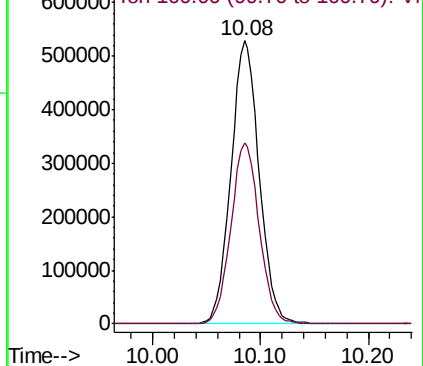
Ion Ratio Lower Upper

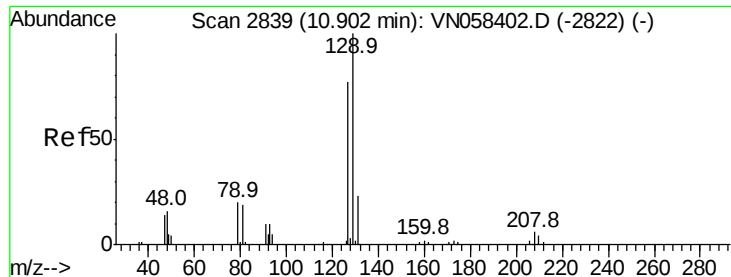
98 100

100 64.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)





#60

Dibromochloromethane

Concen: 63.659 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

Instrument :

MSVOA_N

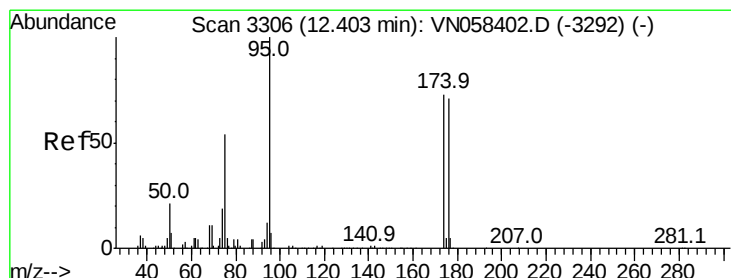
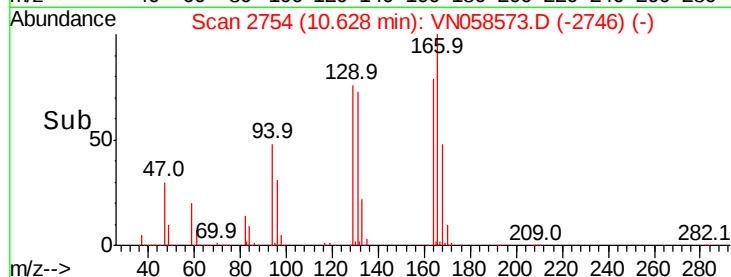
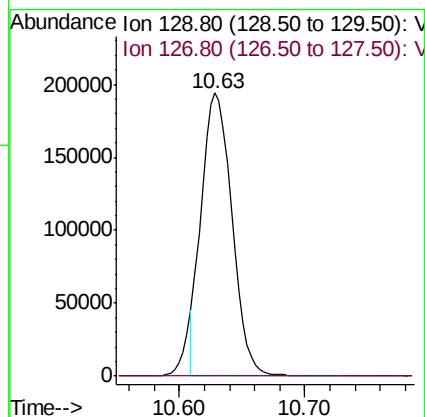
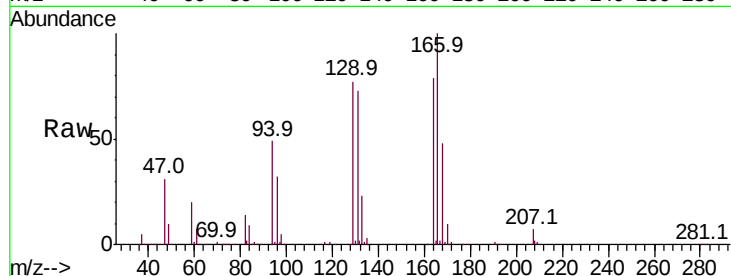
ClientSampled :

Tot Ion:129 Resp: 328866

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



#62

4-Bromofluorobenzene

Concen: 48.054 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

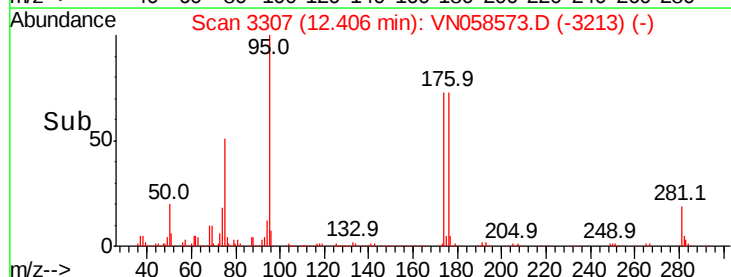
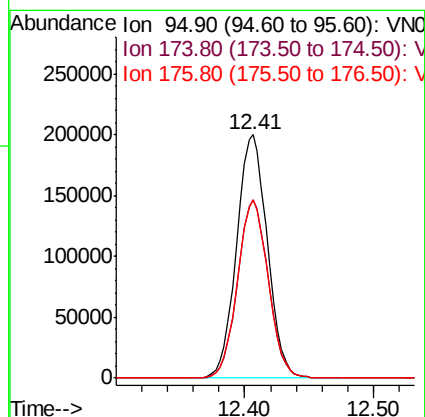
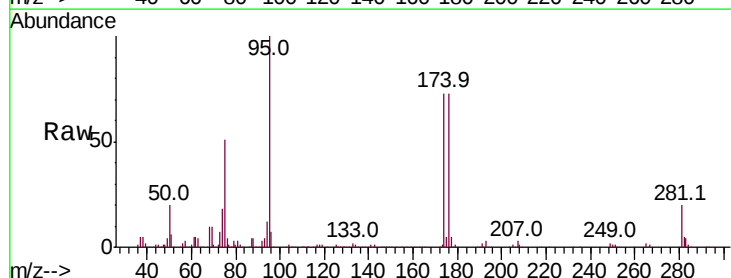
Tgt Ion: 95 Resp: 331165

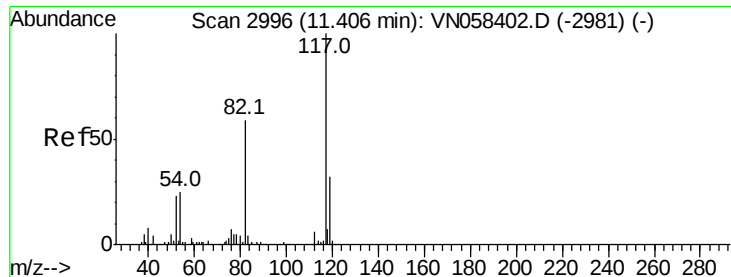
Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.6

176 73.3 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

Instrument :

MSVOA_N

ClientSampled :

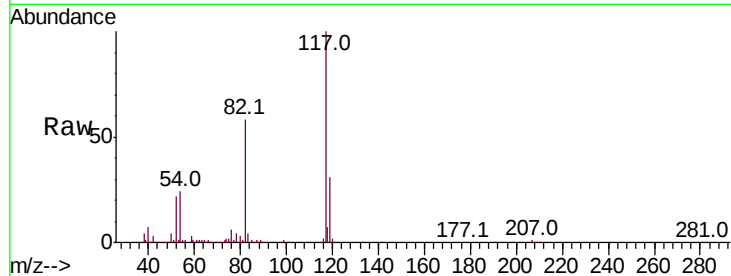
Tot Ion:117 Resp: 695958

Ion Ratio Lower Upper

117 100

82 57.9 47.4 71.0

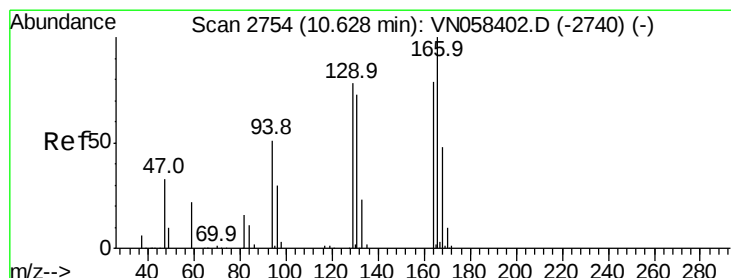
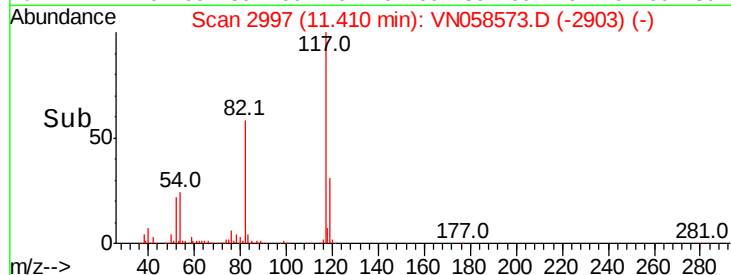
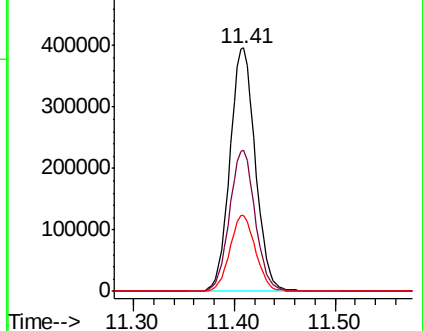
119 31.1 25.5 38.3



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



#64

Tetrachloroethene

Concen: 80.232 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

Tgt Ion:164 Resp: 354757

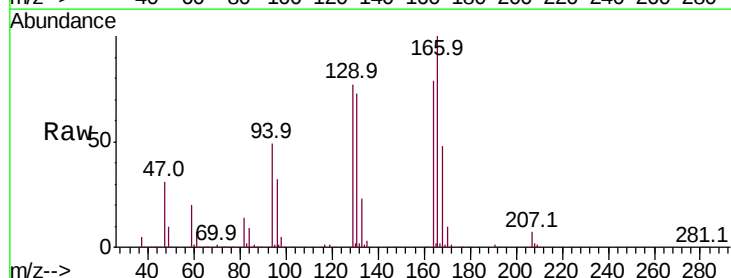
Ion Ratio Lower Upper

164 100

166 126.7 101.1 151.7

129 97.5 79.2 118.8

131 93.0 74.1 111.1

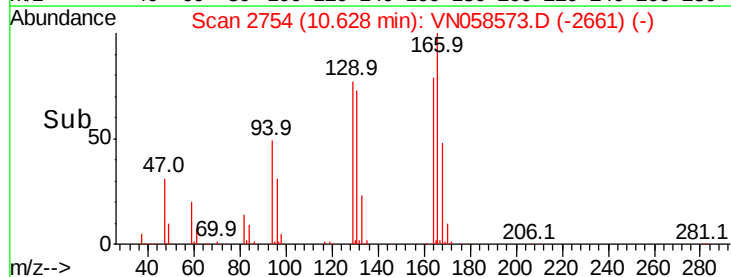
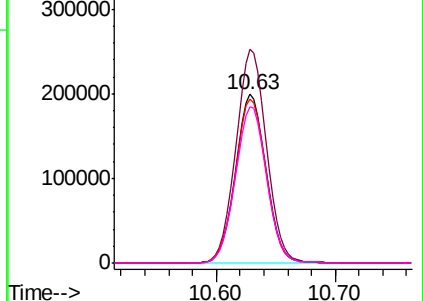


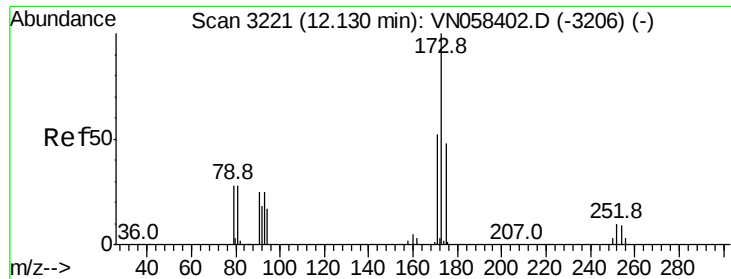
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 1.304 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

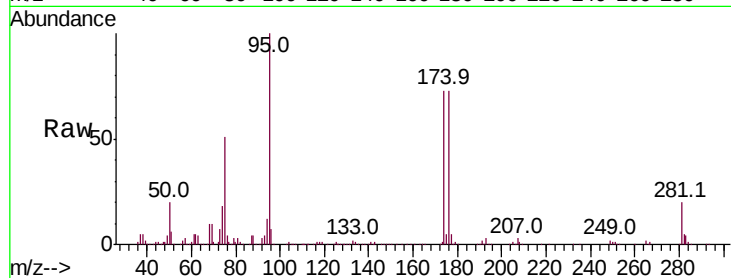
Tot Ion:173 Resp: 1991

Ion Ratio Lower Upper

173 100

175 792.2 24.3 73.0#

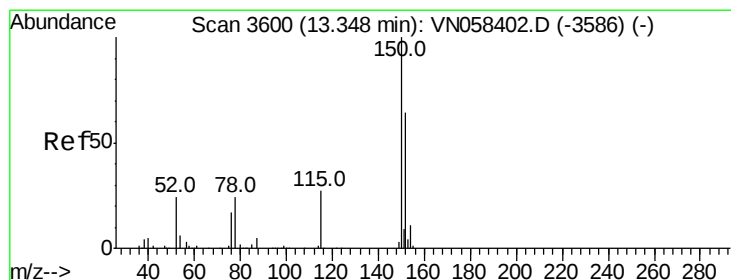
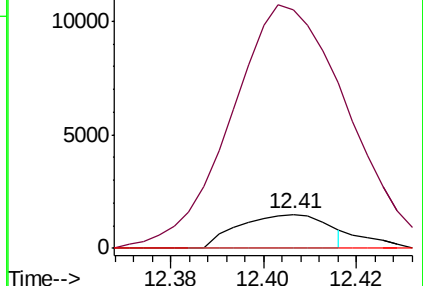
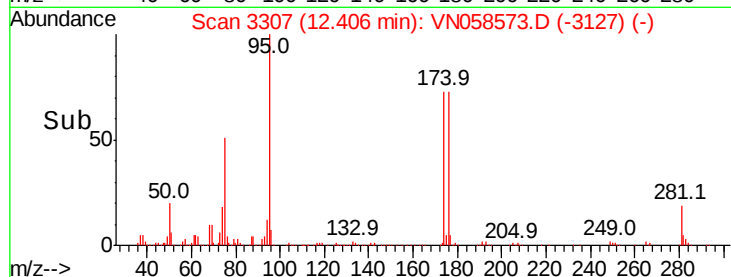
254 0.0 0.1 0.1#



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: VN058573.D

Acq: 7 Oct 2019 17:53

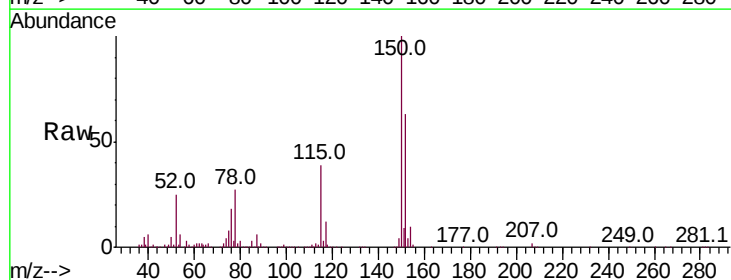
Tgt Ion:152 Resp: 285079

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.0

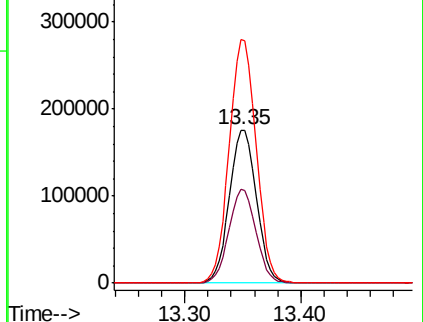
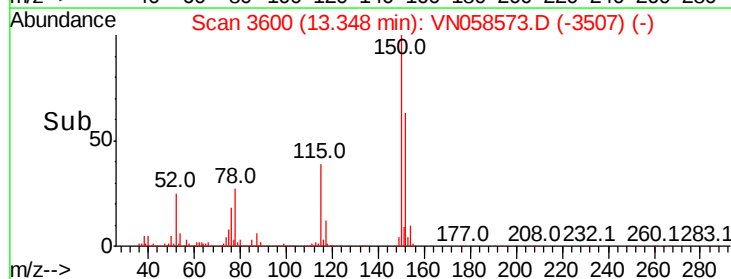
150 158.5 0.0 348.2

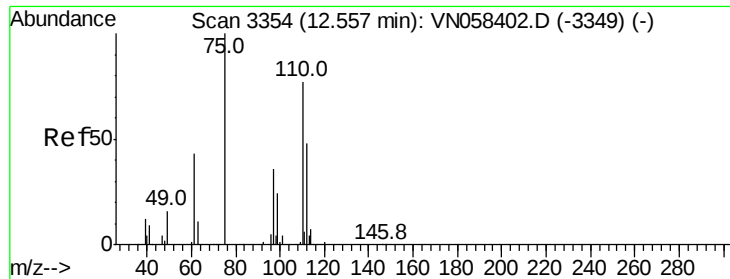


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

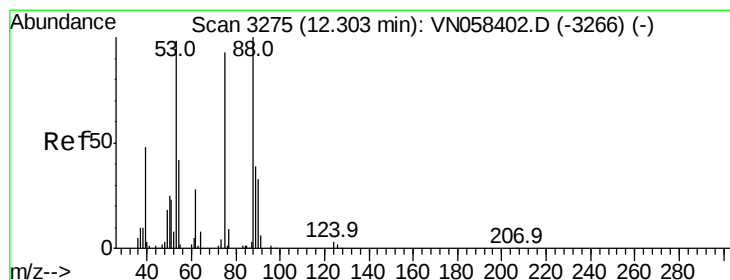
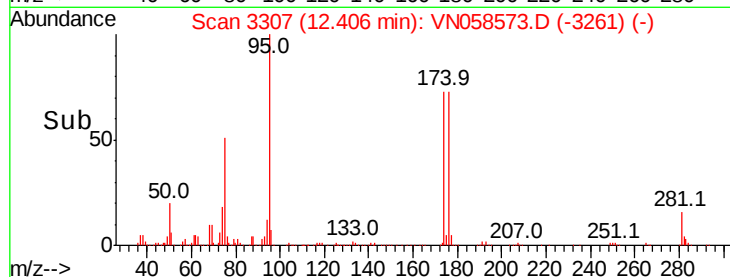
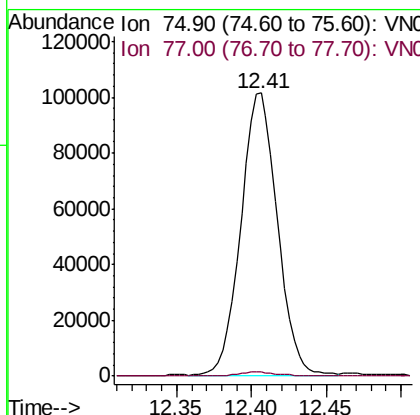
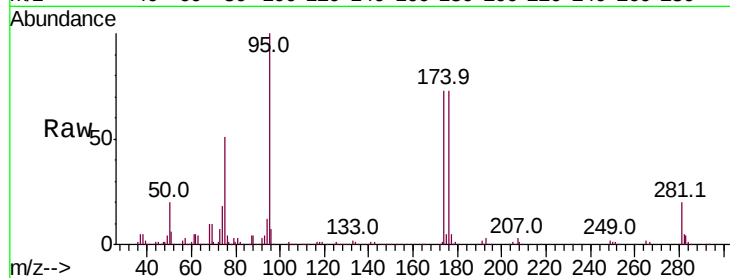




#76
 1,2,3-Trichloropropane
 Concen: 32.905 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN058573.D
 Acq: 7 Oct 2019 17:53

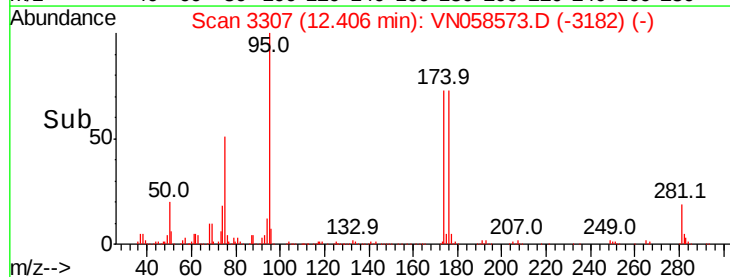
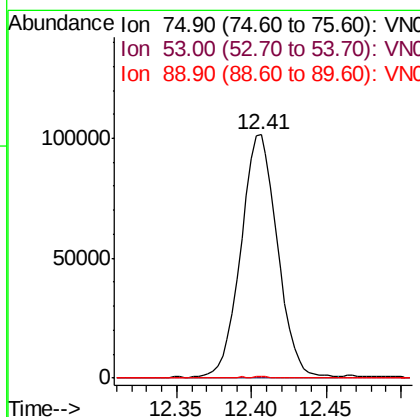
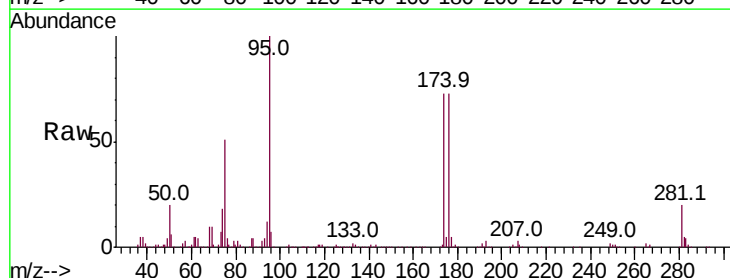
Instrument :
 MSVOA_N
 ClientSampled :

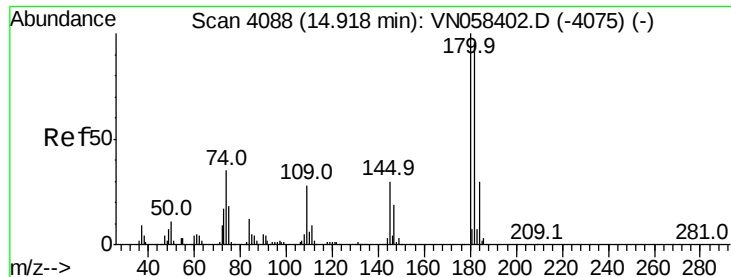
Tot Ion: 75 Resp: 171335
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.936 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058573.D
 Acq: 7 Oct 2019 17:53

Tgt Ion: 75 Resp: 171335
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.4 128.0#
 89 0.1 35.0 52.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.208 ug/l

RT: 14.93 min Scan# 4091

Delta R.T. 0.01 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

Instrument :

MSVOA_N

ClientSampled :

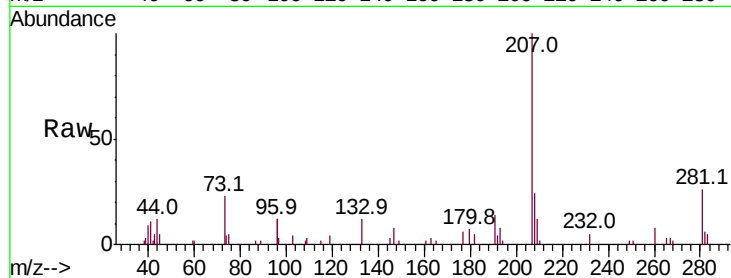
Tot Ion:180 Resp: 989

Ion Ratio Lower Upper

180 100

182 71.7 47.4 142.3

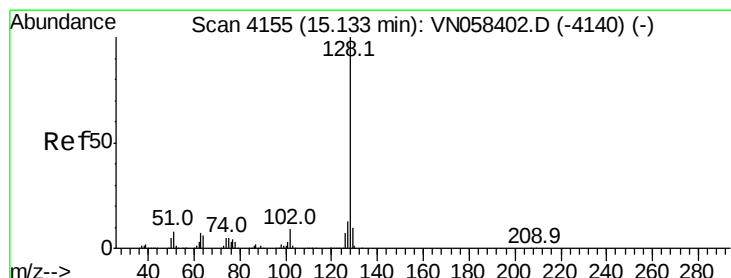
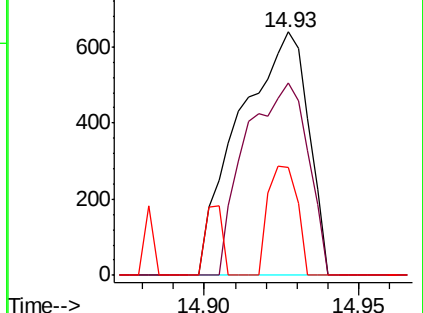
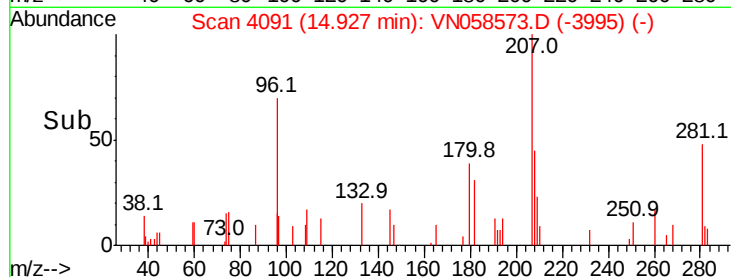
145 19.1 15.3 45.9



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: 0.260 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058573.D

Acq: 7 Oct 2019 17:53

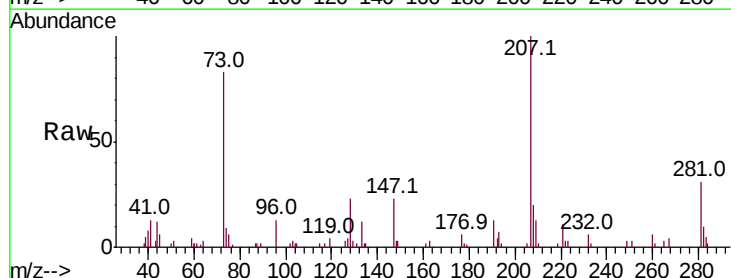
Tgt Ion:128 Resp: 4021

Ion Ratio Lower Upper

128 100

127 16.5 10.2 15.4#

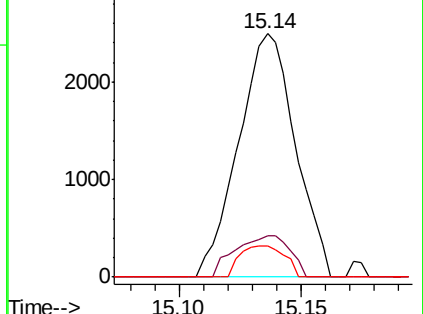
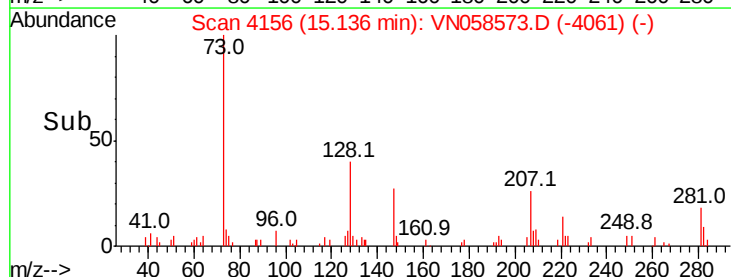
129 9.9 8.3 12.5

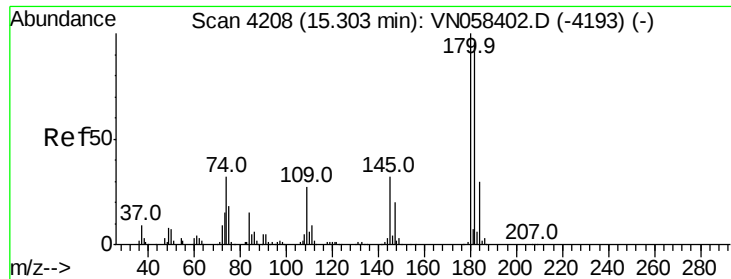


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.229 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.01 min
 Lab File: VN058573.D
 Acq: 7 Oct 2019 17:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.6	48.3	144.9
145	38.8	16.1	48.3

