

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058793.D
 Acq On : 16 Oct 2019 12:01
 Operator : JC/SP
 Sample : VN1016WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 17 01:30:48 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

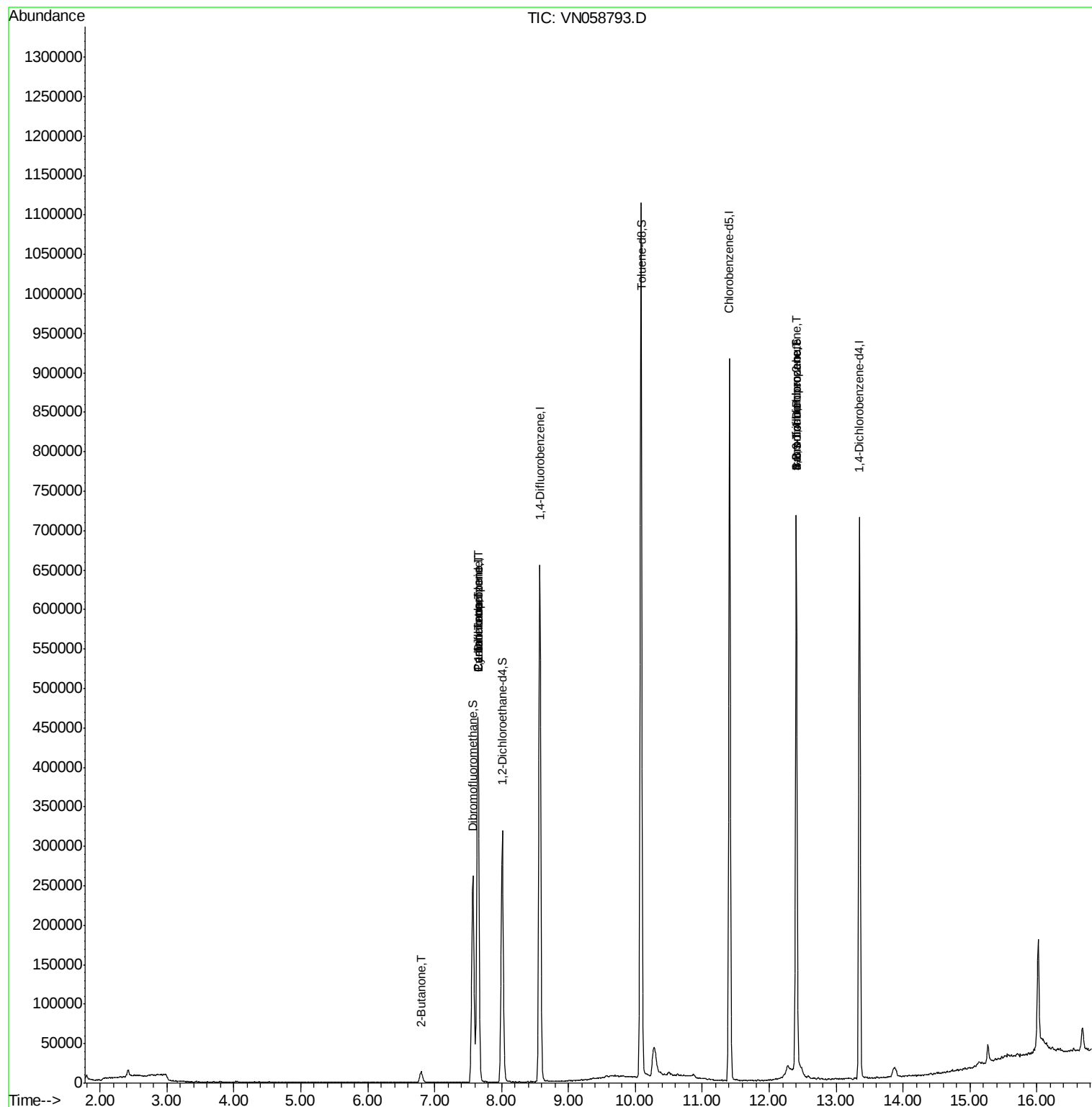
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	358557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	566649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	184536	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	279550	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
35) Dibromofluoromethane	7.57	113	198337	56.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.34%	
50) Toluene-d8	10.08	98	755021	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.40	95	240423	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
Target Compounds						
					Qvalue	
25) 2-Butanone	6.79	43	735	0.245	ug/l #	50
31) Cyclohexane	7.64	56	8520	1.157	ug/l #	9
36) 1,1-Dichloropropene	7.65	75	30858	5.386	ug/l #	50
38) Carbon Tetrachloride	7.65	117	35438	6.347	ug/l #	17
71) Bromoform	12.40	173	1392	0.511	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	130795	32.309	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	130795	86.545	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058793.D

Acq: 16 Oct 2019 12:01

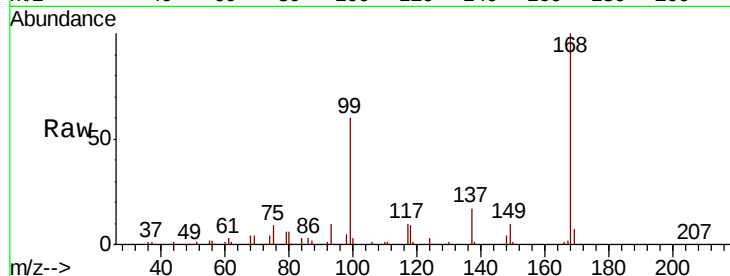
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 358557

Ion Ratio Lower Upper

168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

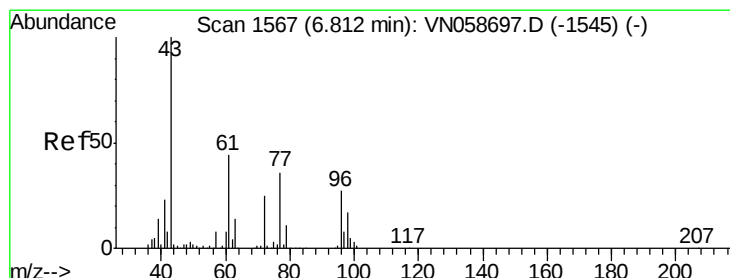
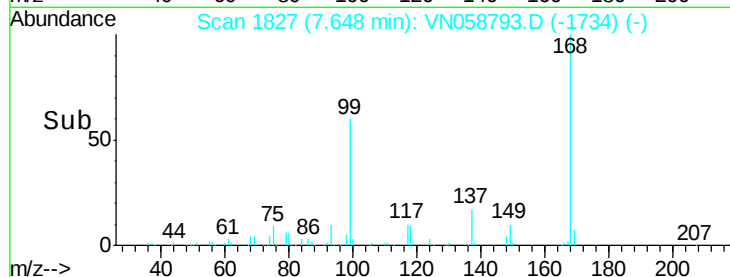
150000

100000

50000

0

Time-->



#25

2-Butanone

Concen: 0.245 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.03 min

Lab File: VN058793.D

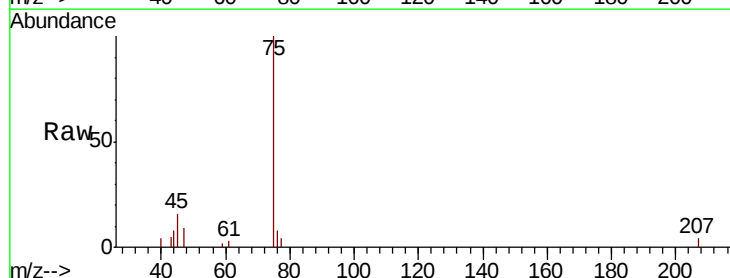
Acq: 16 Oct 2019 12:01

Tgt Ion: 43 Resp: 735

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 72.00 (71.70 to 72.70): VN

6.79

400

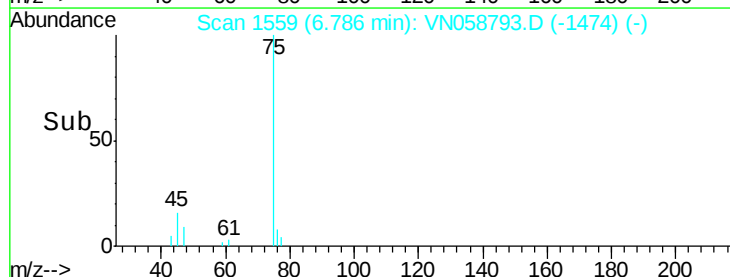
300

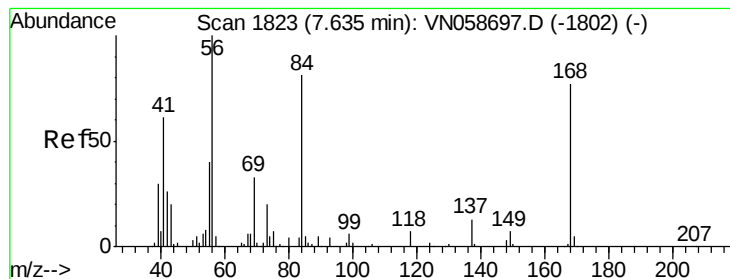
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.64 min Scan# 1825

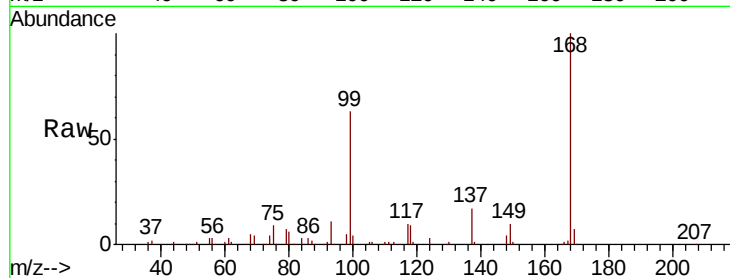
Delta R.T. 0.01 min

Lab File: VN058793.D

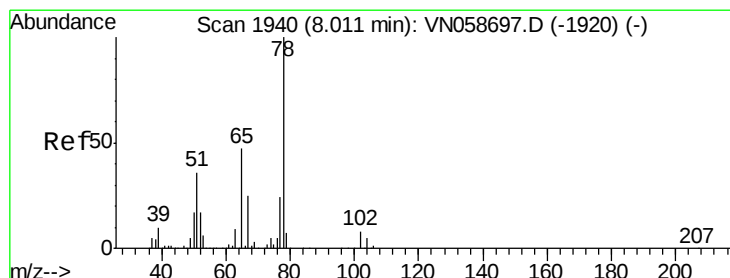
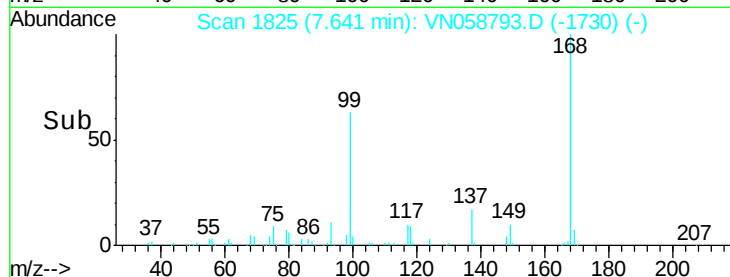
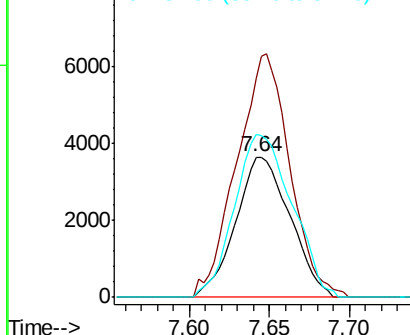
Acq: 16 Oct 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	56	Resp:	8520
Ion	Ratio	Lower	Upper
56	100		
69	156.0	26.2	39.4#
84	115.9	64.9	97.3#



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: 55.690 ug/l

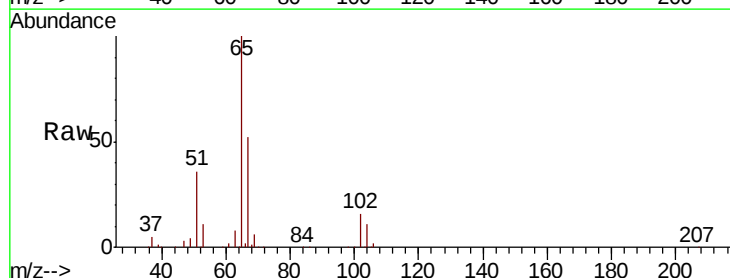
RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

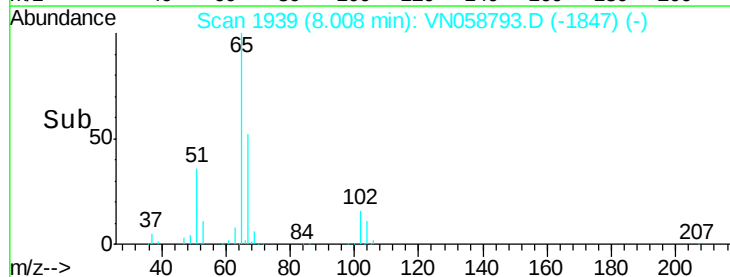
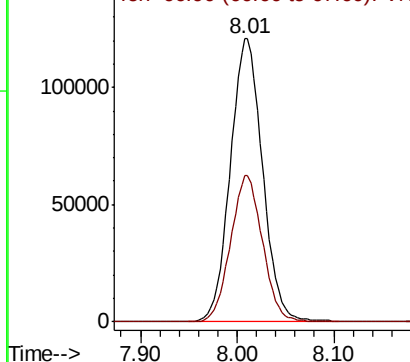
Lab File: VN058793.D

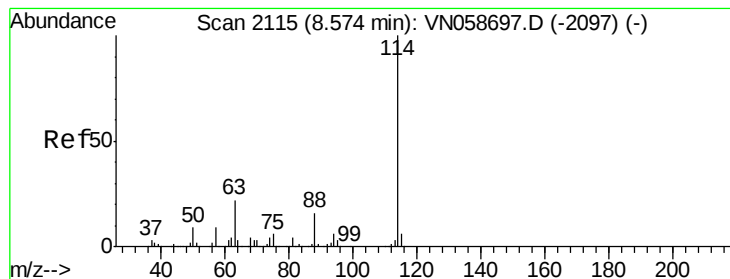
Acq: 16 Oct 2019 12:01

Tgt Ion:	65	Resp:	279550
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.8



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# 2114

Delta R.T. -0.00 min

Lab File: VN058793.D

Acq: 16 Oct 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

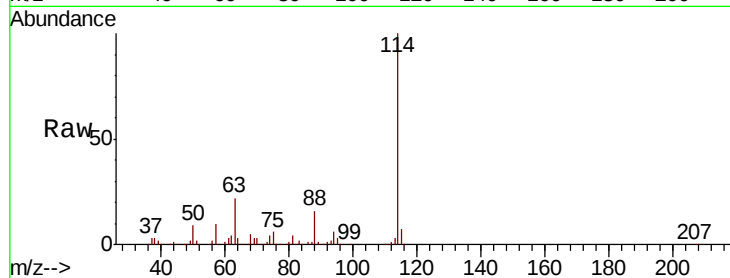
Tot Ion:114 Resp: 566649

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.8

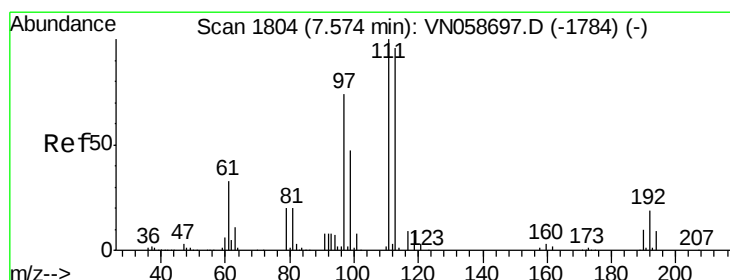
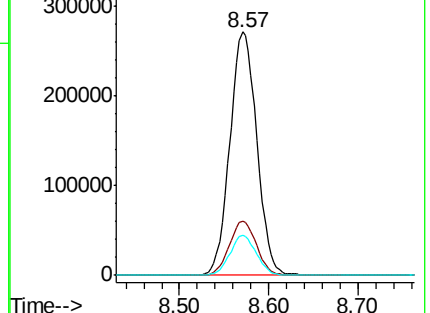
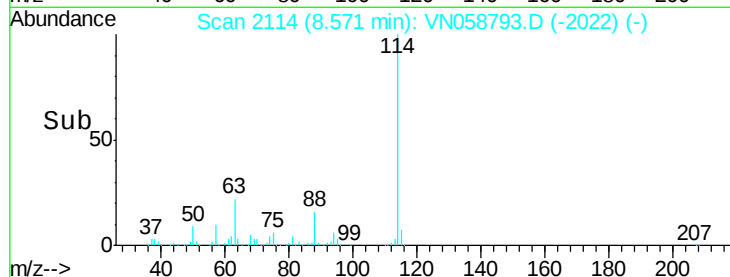
88 16.3 0.0 32.0



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: 56.667 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058793.D

Acq: 16 Oct 2019 12:01

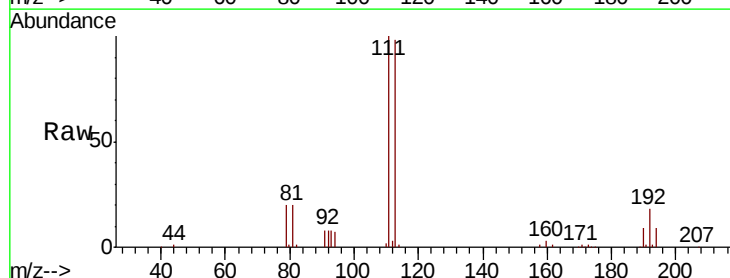
Tgt Ion:113 Resp: 198337

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

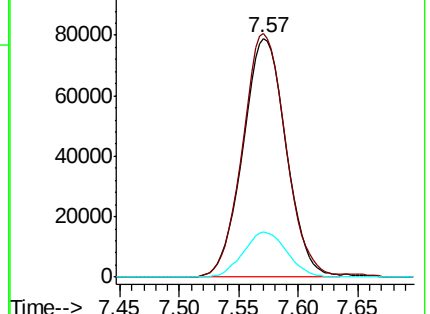
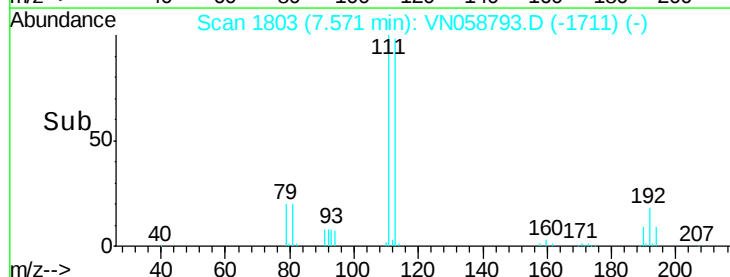
192 19.1 15.0 22.6

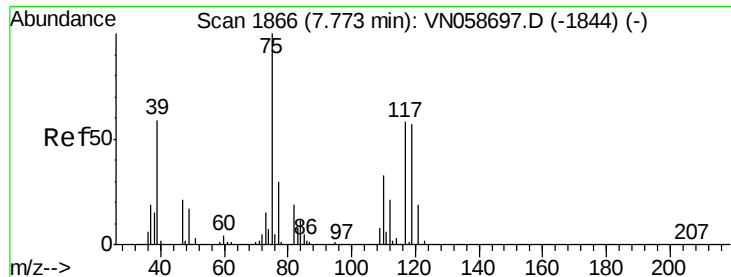


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

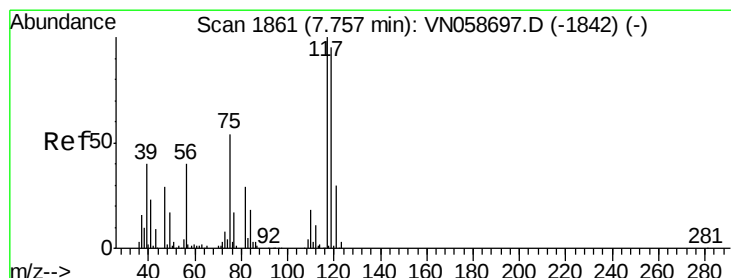
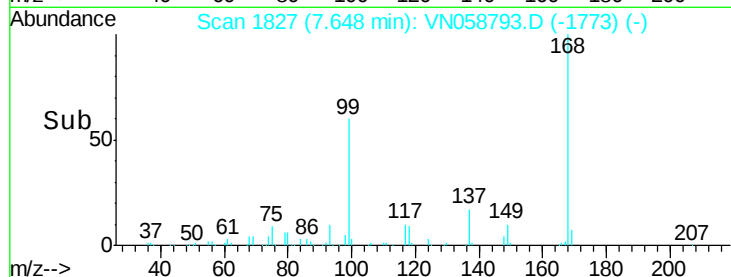
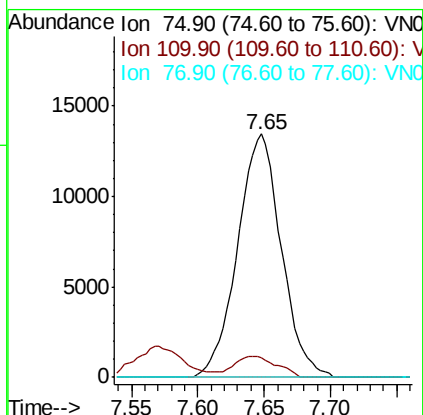
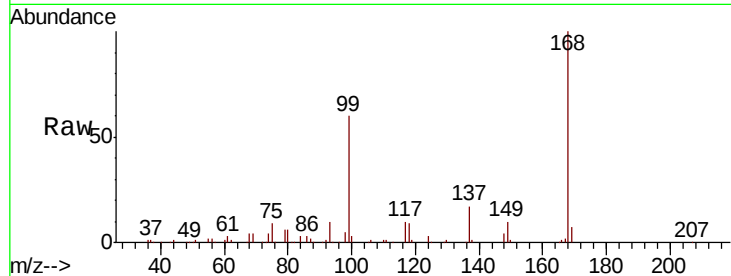




#36
 1,1-Dichloropropene
 Concen: 5.386 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058793.D
 Acq: 16 Oct 2019 12:01

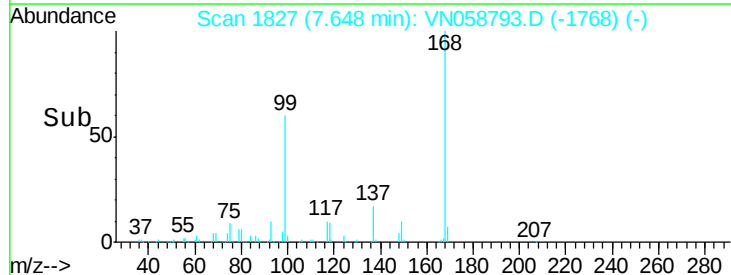
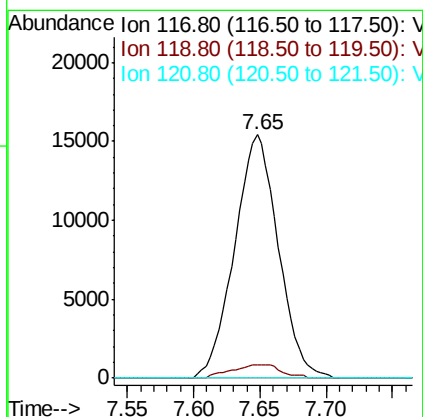
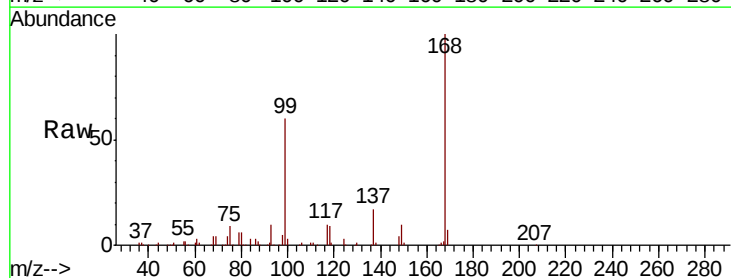
Instrument :
 MSVOA_N
 ClientSampleId :

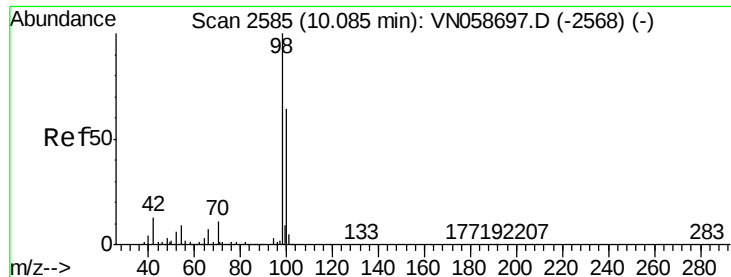
Tot Ion	75	Resp	30858
Ion Ratio	Lower	Upper	
75	100		
110	8.4	16.6	49.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.347 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058793.D
 Acq: 16 Oct 2019 12:01

Tgt Ion	117	Resp	35438
Ion Ratio	Lower	Upper	
117	100		
119	5.2	75.7	113.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 53.944 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058793.D

Acq: 16 Oct 2019 12:01

Instrument :

MSVOA_N

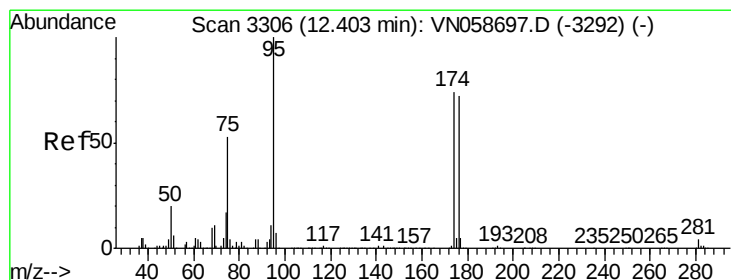
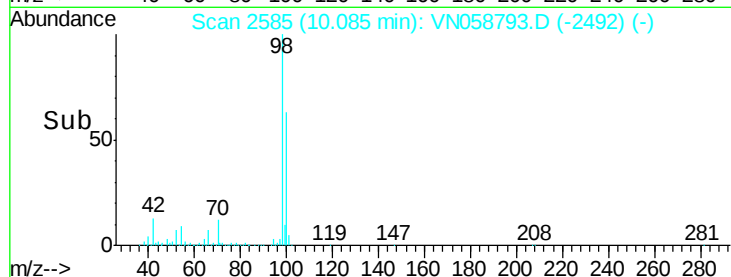
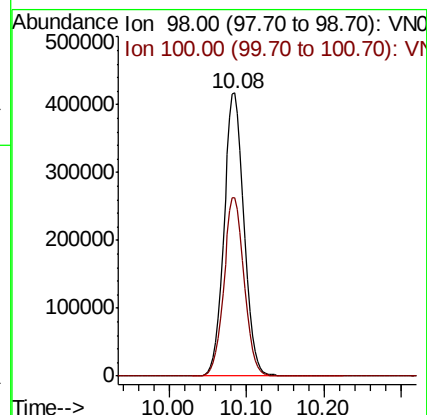
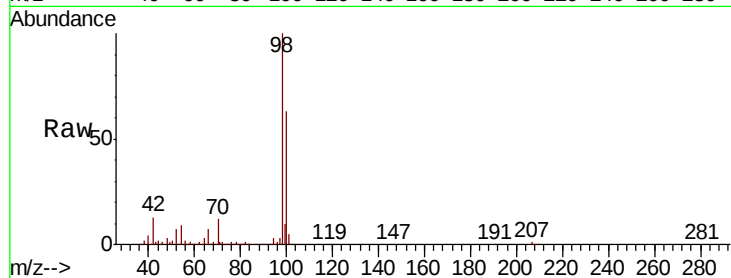
ClientSampleId :

Tot Ion: 98 Resp: 755021

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 45.380 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058793.D

Acq: 16 Oct 2019 12:01

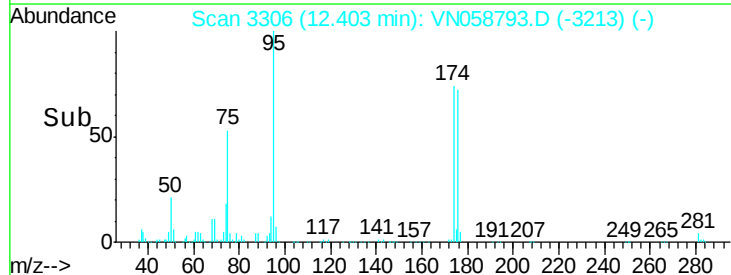
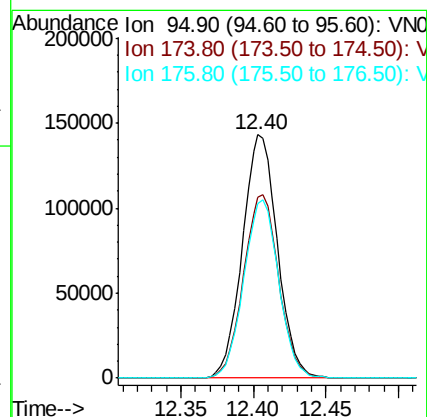
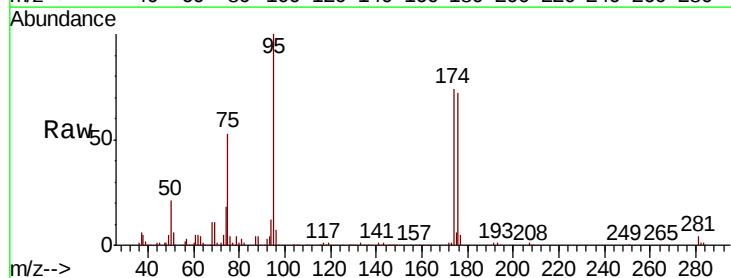
Tgt Ion: 95 Resp: 240423

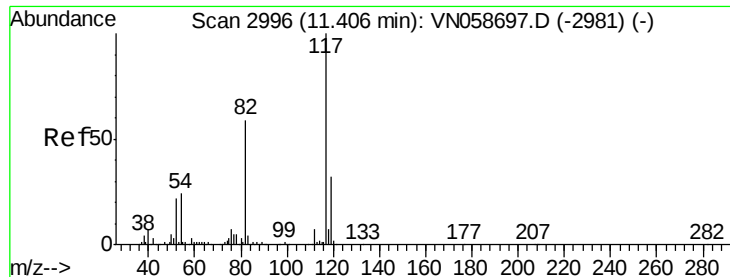
Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.4

176 73.3 0.0 146.8

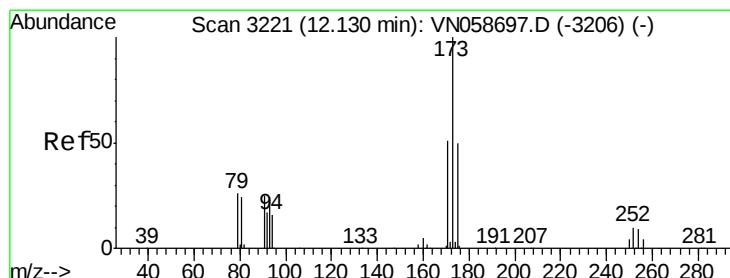
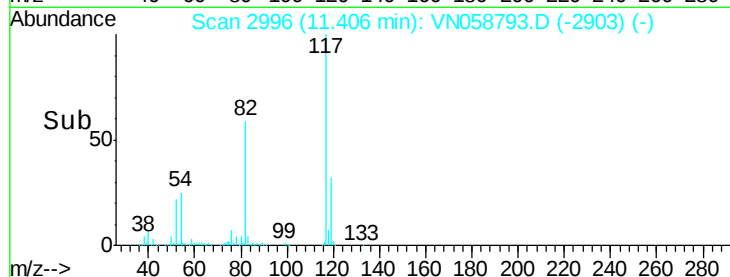
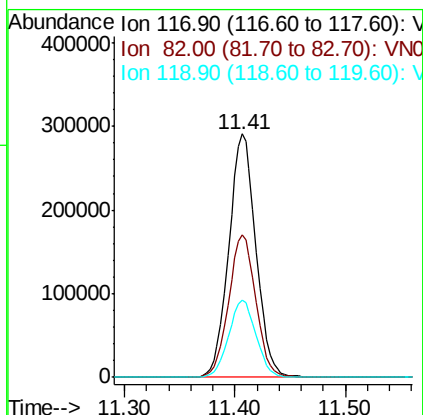
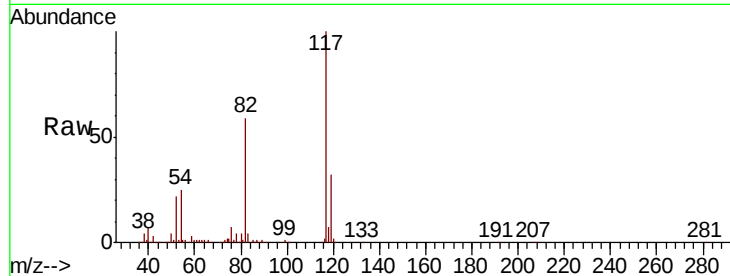




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058793.D
Acq: 16 Oct 2019 12:01

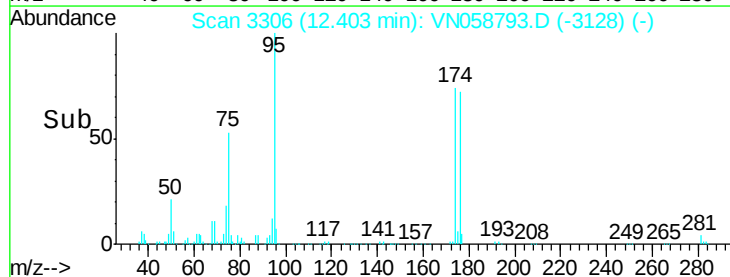
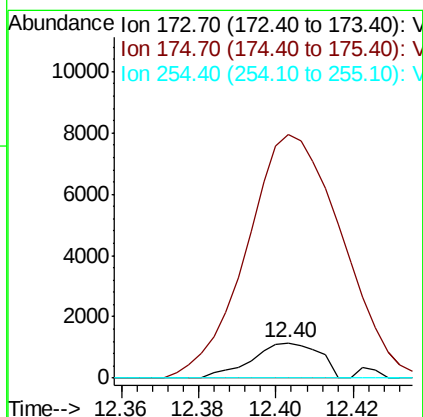
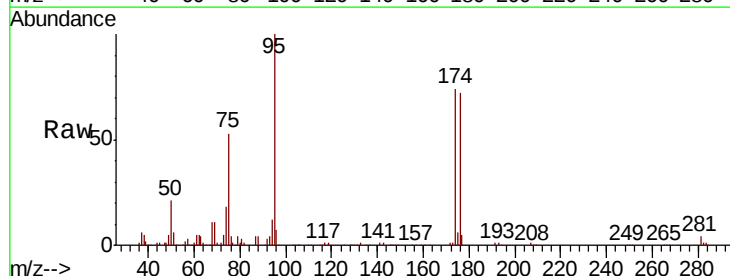
Instrument :
MSVOA_N
ClientSampleId :

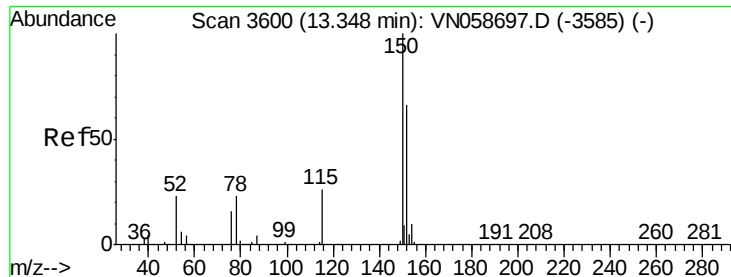
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.0	70.4
119	31.7	25.4	38.2



#71
Bromoform
Concen: 0.511 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058793.D
Acq: 16 Oct 2019 12:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	845.5	24.6	73.8#
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058793.D

Acq: 16 Oct 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

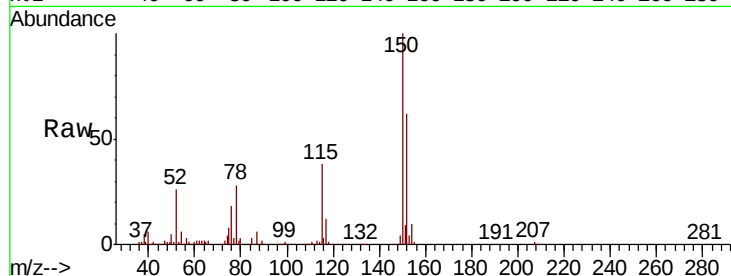
Tot Ion:152 Resp: 184536

Ion Ratio Lower Upper

152 100

115 61.9 30.4 91.2

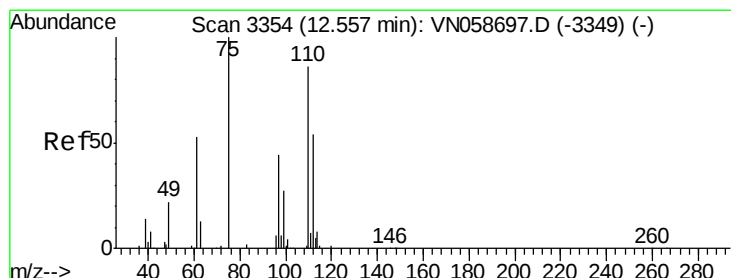
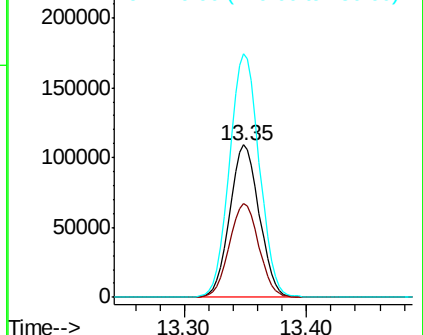
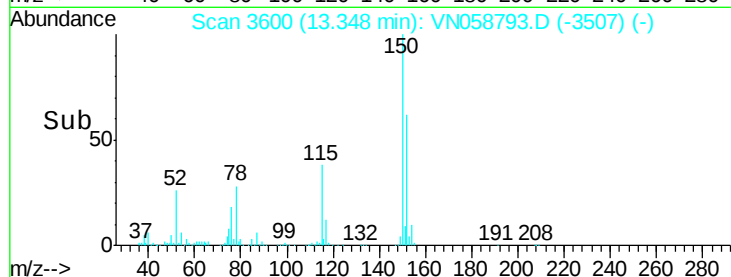
150 161.1 0.0 345.4



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: 32.309 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058793.D

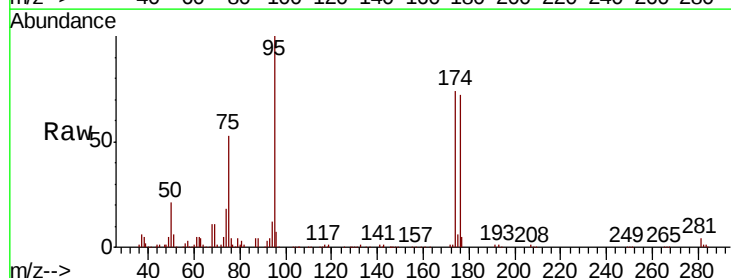
Acq: 16 Oct 2019 12:01

Tgt Ion: 75 Resp: 130795

Ion Ratio Lower Upper

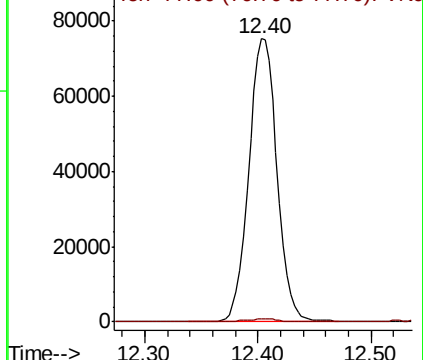
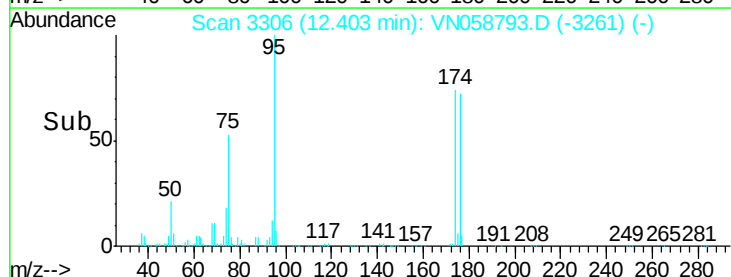
75 100

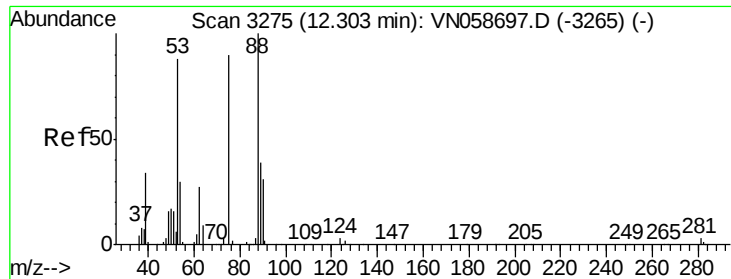
77 1.2 0.0 0.0#



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: 86.545 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058793.D

Acq: 16 Oct 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

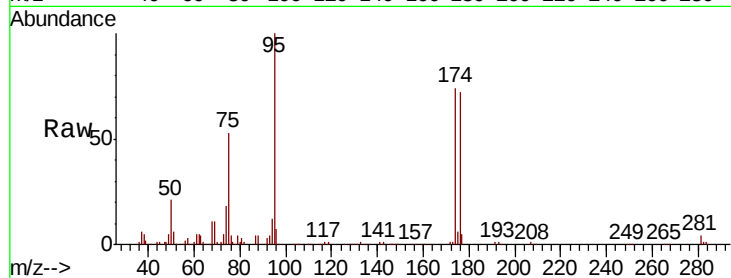
Tot Ion: 75 Resp: 130795

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

