

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058950.D
 Acq On : 24 Oct 2019 11:10
 Operator : JC/SP
 Sample : VN1025WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

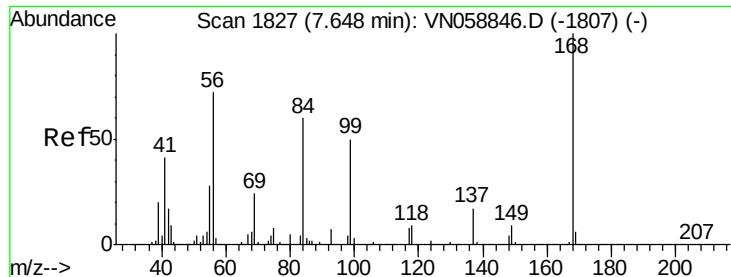
Quant Time: Oct 25 01:22:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	552220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	499631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	187779	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	267494	52.58	ug/l	0.00
Spiked Amount						
			Recovery	=	105.16%	
35) Dibromofluoromethane	7.57	113	189230	52.12	ug/l	0.00
Spiked Amount						
			Recovery	=	104.24%	
50) Toluene-d8	10.08	98	708525	50.27	ug/l	0.00
Spiked Amount						
			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	226231	43.71	ug/l	0.00
Spiked Amount						
			Recovery	=	87.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.65	56	8548	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	27950	4.944	ug/l #	51
38) Carbon Tetrachloride	7.65	117	34539	5.930	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	3242	0.562	ug/l #	1
71) Bromoform	12.40	173	1270	0.427	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	120984	27.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	120984	72.420	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	124	2.552	ug/l #	13
95) Naphthalene	15.14	128	709	2.288	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.31	180	143	2.432	ug/l #	49

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058950.D

Acq: 24 Oct 2019 11:10

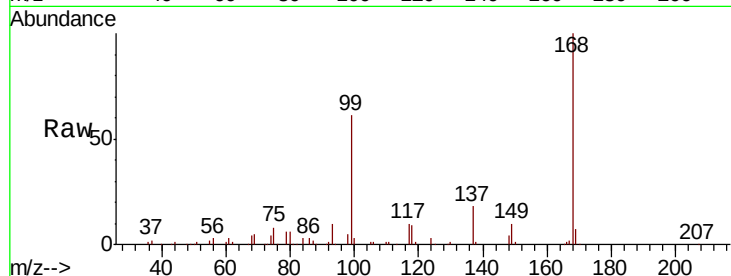
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 346867

Ion Ratio Lower Upper

168 100

99 60.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

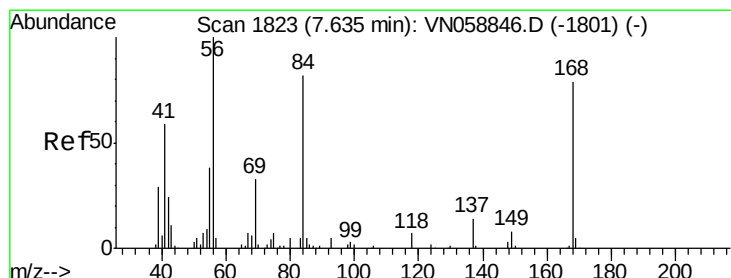
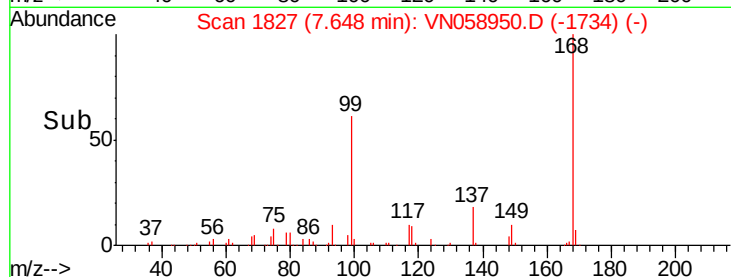
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058950.D

Acq: 24 Oct 2019 11:10

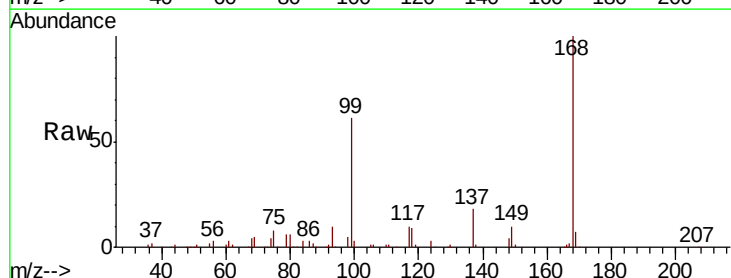
Tgt Ion: 56 Resp: 8548

Ion Ratio Lower Upper

56 100

69 176.4 26.2 39.4#

84 118.1 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

8000

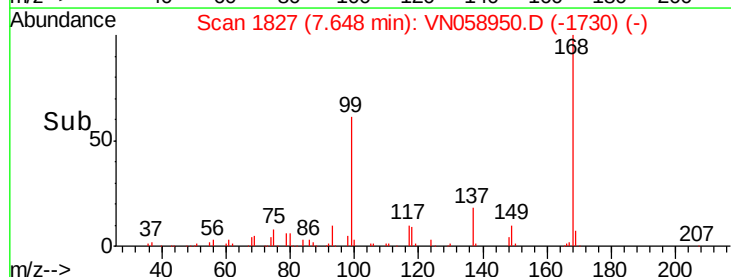
6000

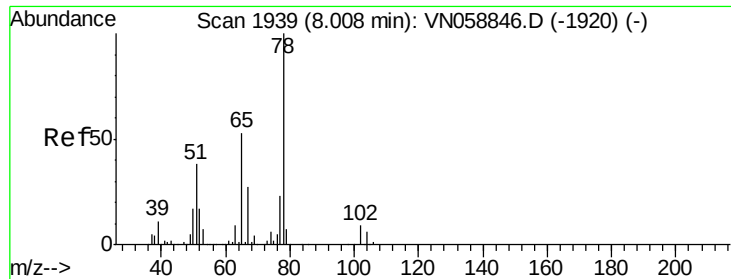
4000

2000

0

Time-->

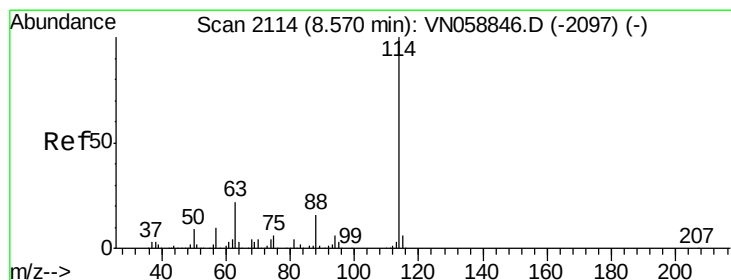
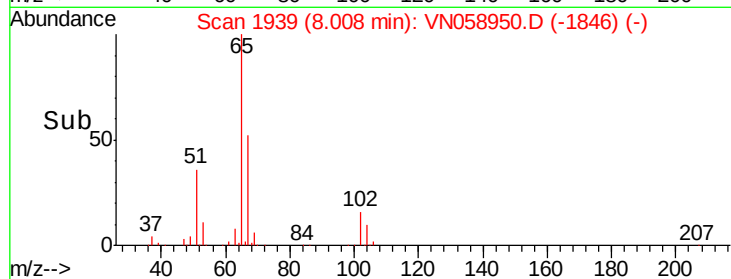
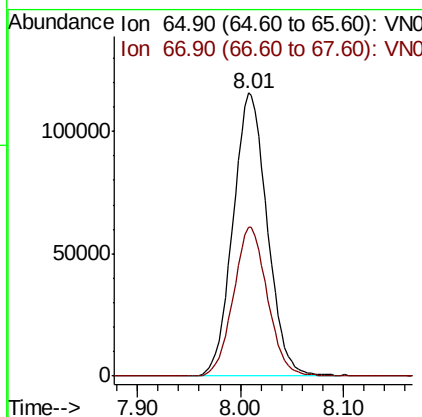
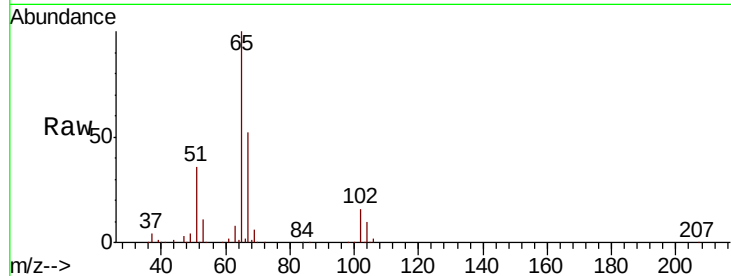




#33
 1,2-Dichloroethane-d4
 Concen: 52.580 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058950.D
 Acq: 24 Oct 2019 11:10

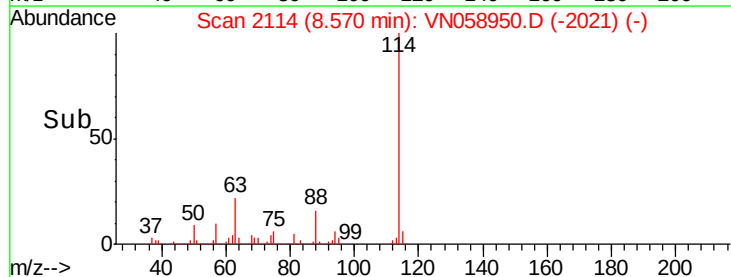
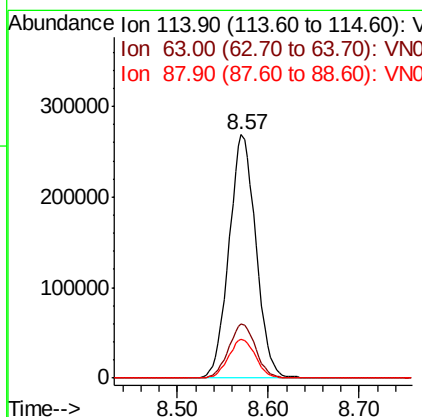
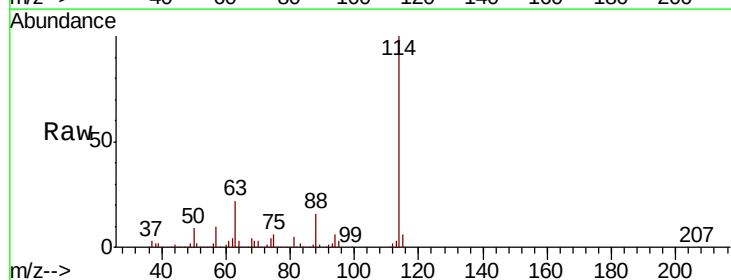
Instrument :
 MSVOA_N
 ClientSampleId :

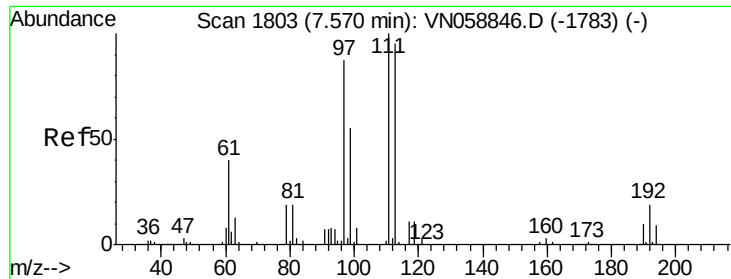
Tot Ion: 65 Resp: 267494
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058950.D
 Acq: 24 Oct 2019 11:10

Tgt Ion: 114 Resp: 552220
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.4
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.119 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058950.D

Acq: 24 Oct 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :

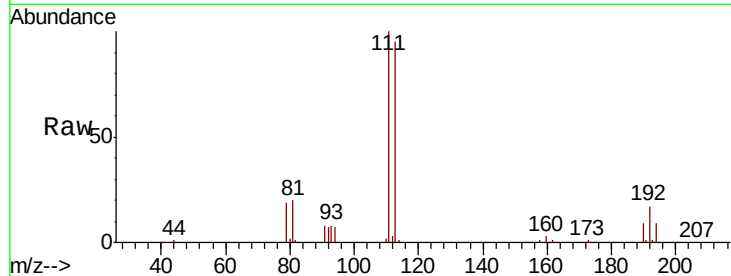
Tot Ion:113 Resp: 189230

Ion Ratio Lower Upper

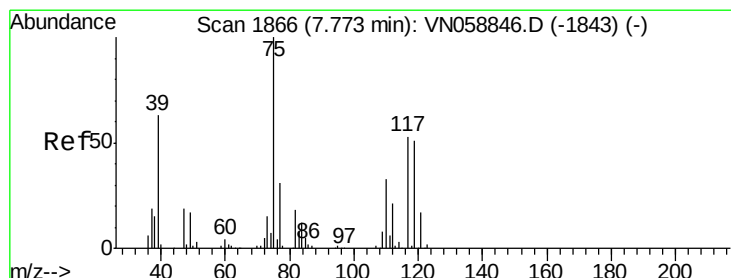
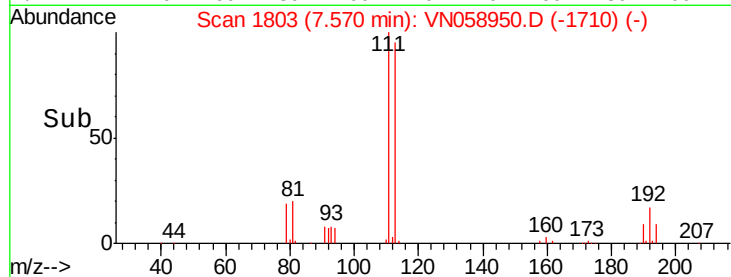
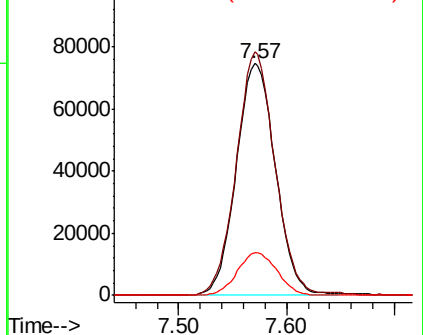
113 100

111 103.1 82.0 123.0

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: 4.944 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN058950.D

Acq: 24 Oct 2019 11:10

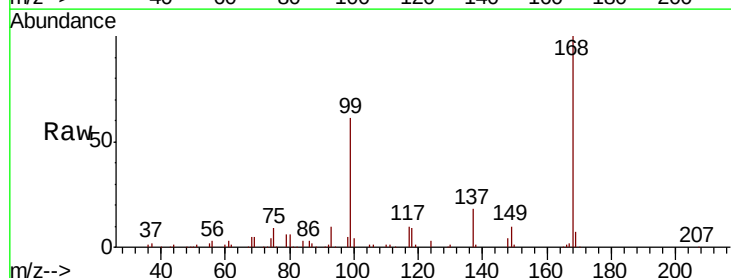
Tgt Ion: 75 Resp: 27950

Ion Ratio Lower Upper

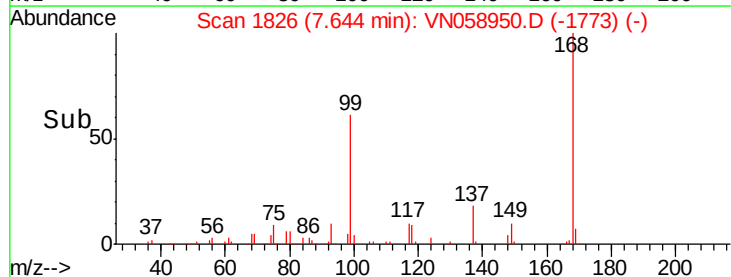
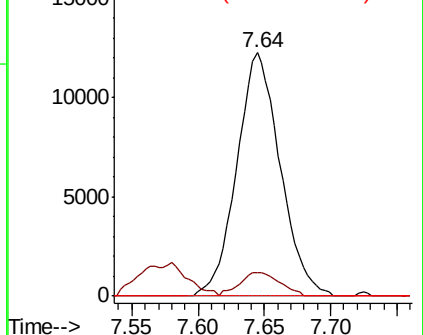
75 100

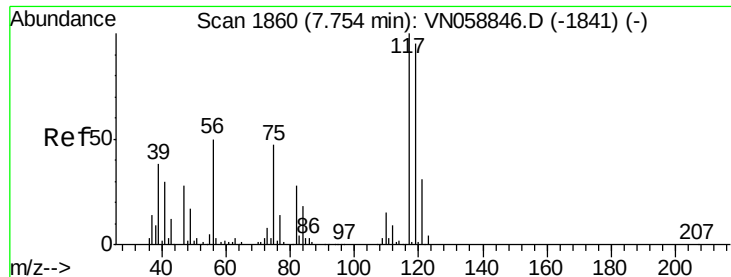
110 9.0 16.3 48.9#

77 0.0 24.6 36.8#



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

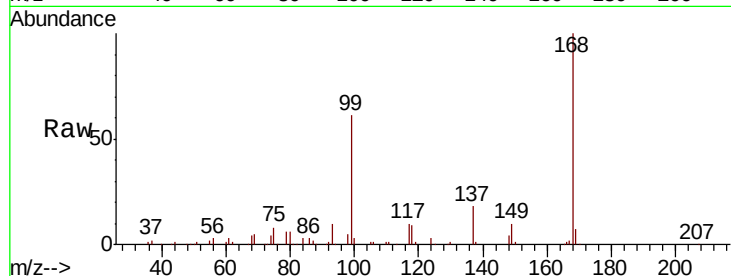




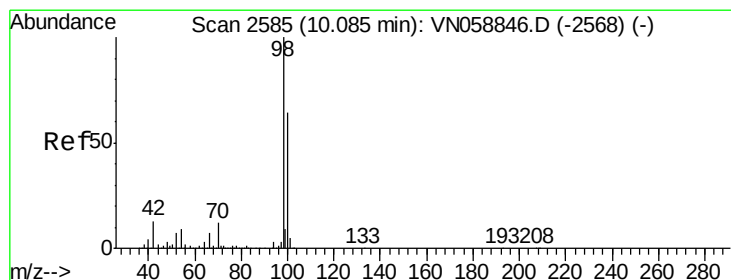
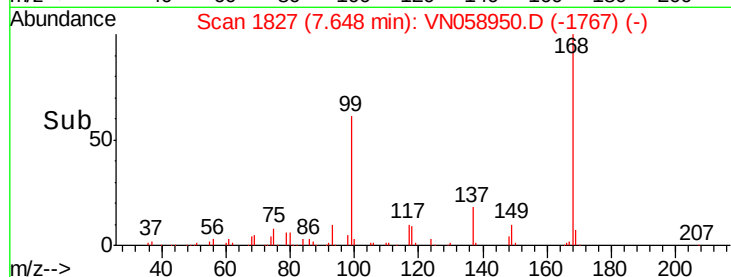
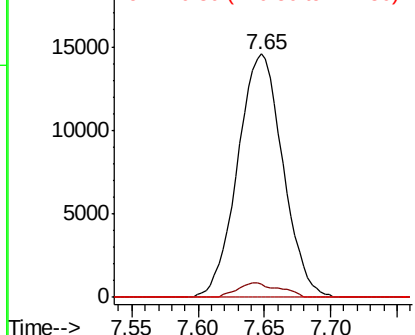
#38
Carbon Tetrachloride
Concen: 5.930 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058950.D
Acq: 24 Oct 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 34539
Ion Ratio Lower Upper
117 100
119 5.2 75.7 113.5#
121 0.0 25.0 37.6#

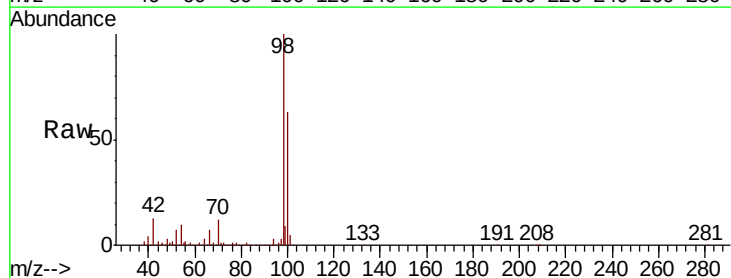


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

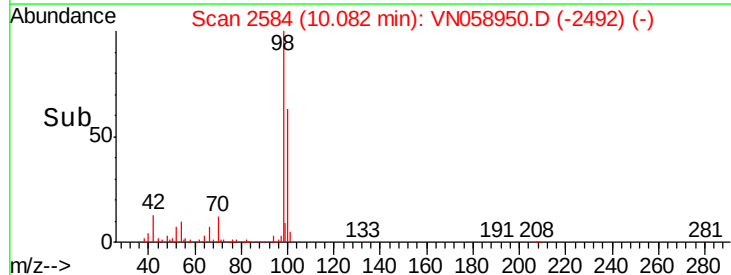
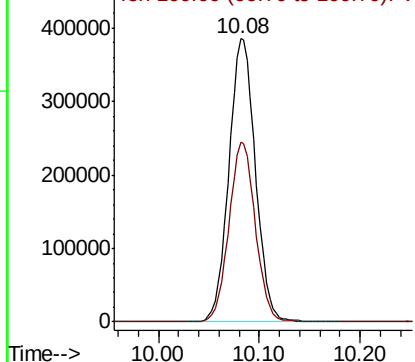


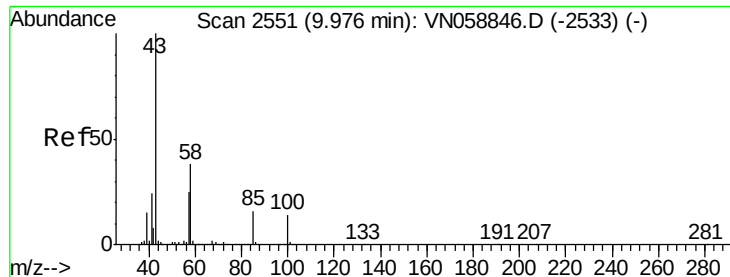
#50
Toluene-d8
Concen: 50.272 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058950.D
Acq: 24 Oct 2019 11:10

Tgt Ion: 98 Resp: 708525
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.562 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.11 min

Lab File: VN058950.D

Acq: 24 Oct 2019 11:10

Instrument :

MSVOA_N

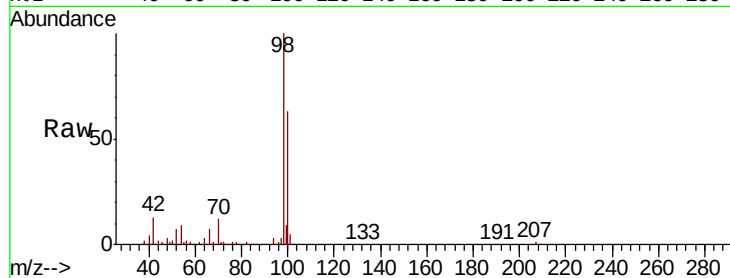
ClientSampled :

Tot Ion: 43 Resp: 3242

Ion Ratio Lower Upper

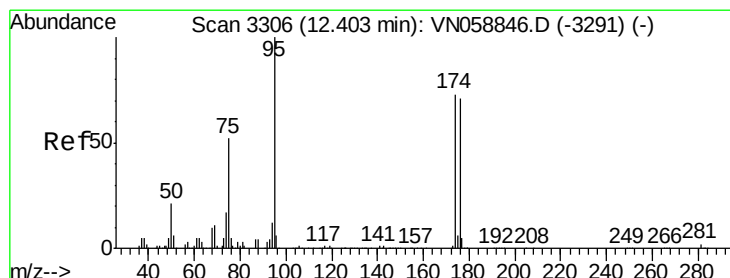
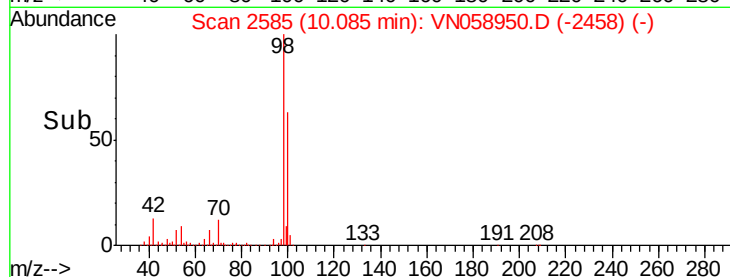
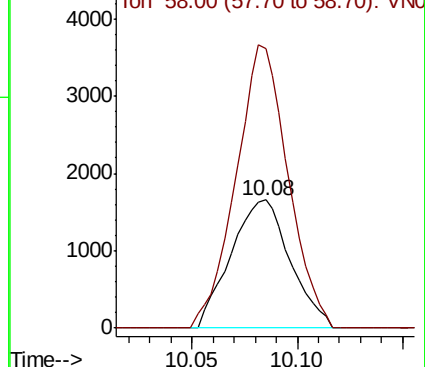
43 100

58 194.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 43.711 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058950.D

Acq: 24 Oct 2019 11:10

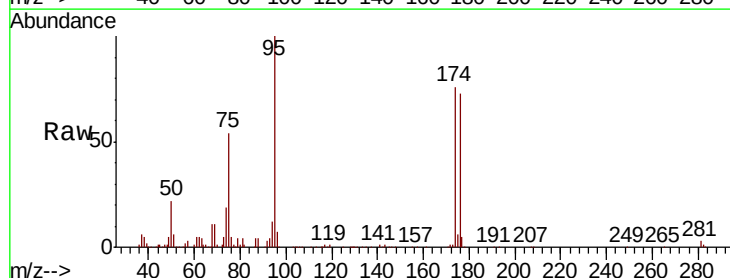
Tgt Ion: 95 Resp: 226231

Ion Ratio Lower Upper

95 100

174 75.8 0.0 147.6

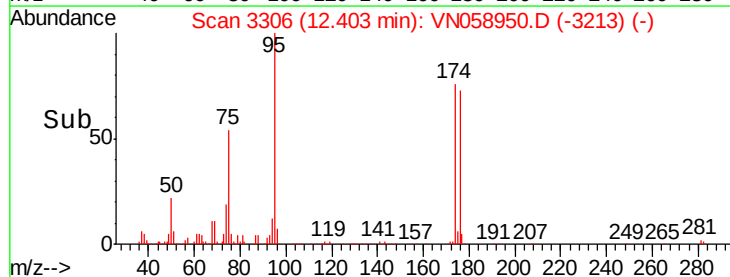
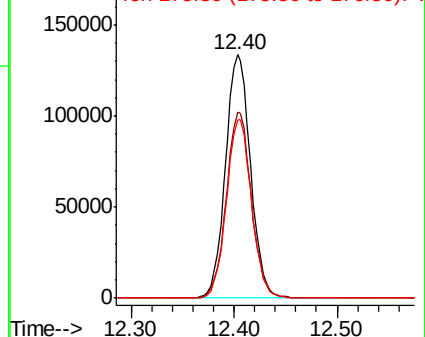
176 73.5 0.0 143.2

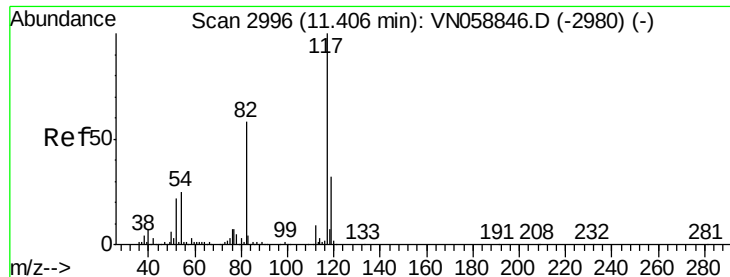


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

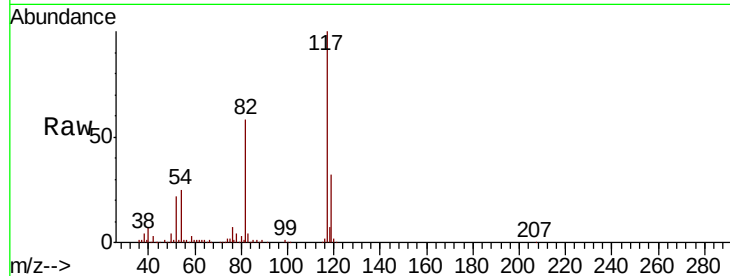




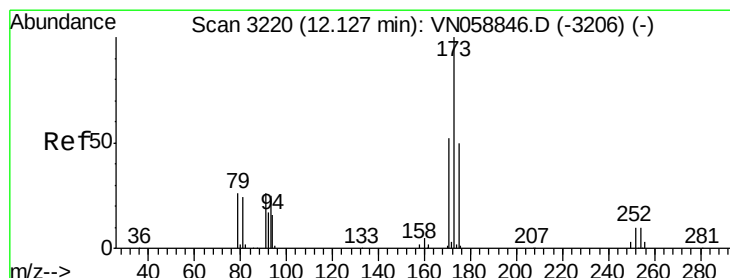
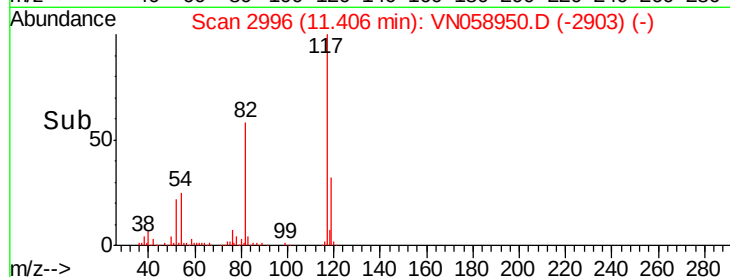
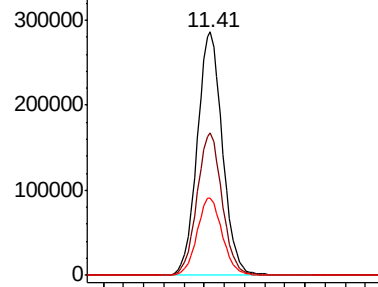
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058950.D
Acq: 24 Oct 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 499631
Ion Ratio Lower Upper
117 100
82 58.4 46.6 69.8
119 31.8 25.6 38.4

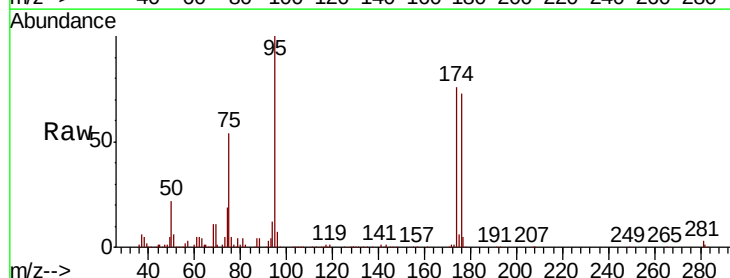


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

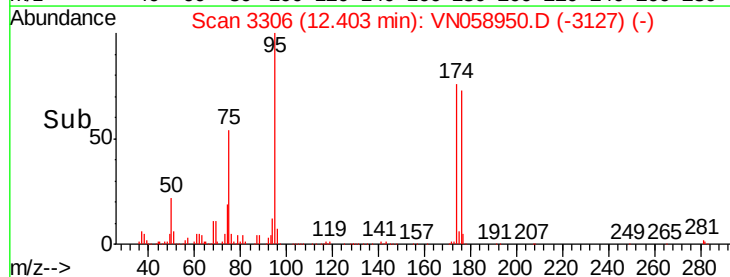
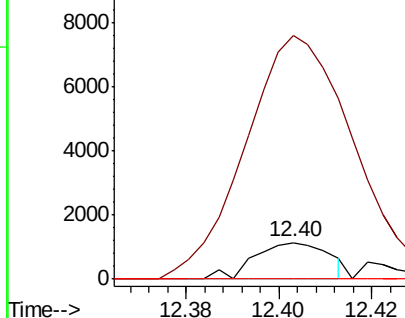


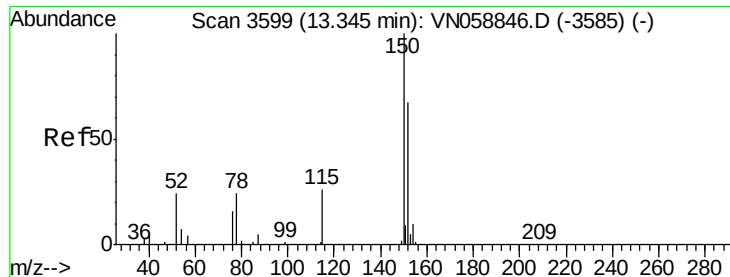
#71
Bromoform
Concen: 0.427 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN058950.D
Acq: 24 Oct 2019 11:10

Tgt Ion:173 Resp: 1270
Ion Ratio Lower Upper
173 100
175 786.3 24.7 74.1#
254 0.0 0.0 0.0



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

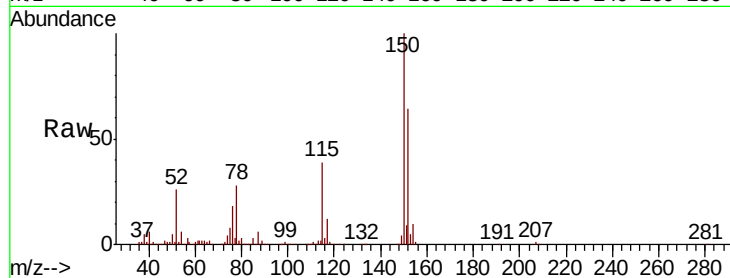




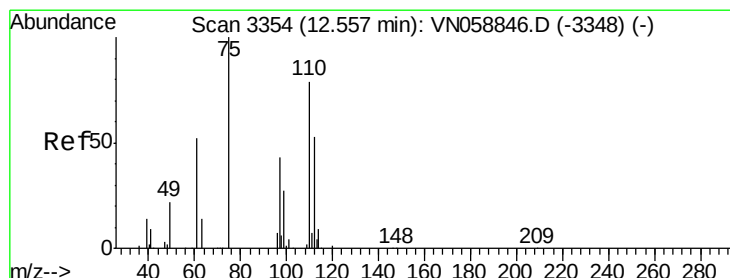
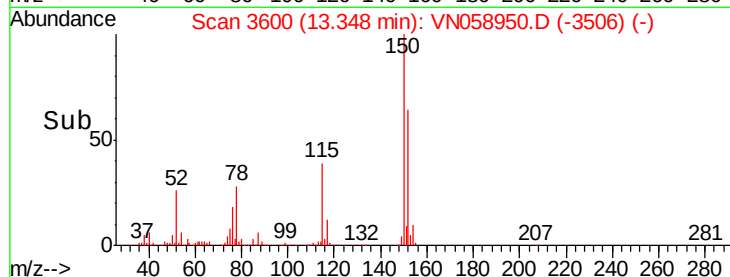
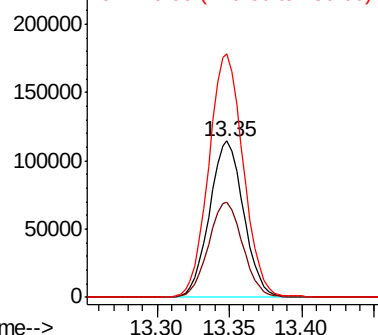
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058950.D
 Acq: 24 Oct 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:152 Resp: 187779
 Ion Ratio Lower Upper
 152 100
 115 61.3 30.5 91.5
 150 157.4 0.0 344.4

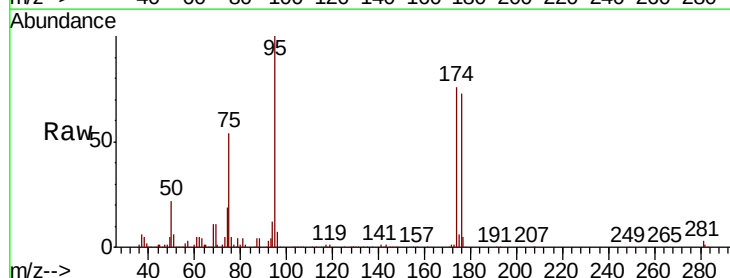


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

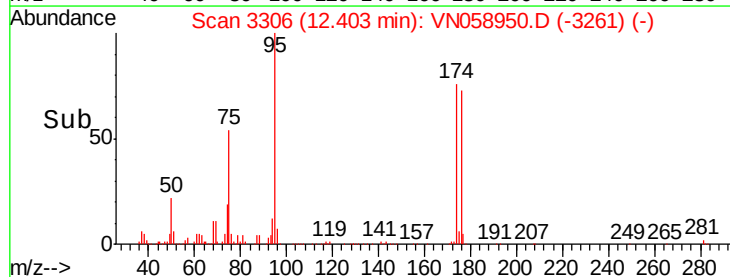
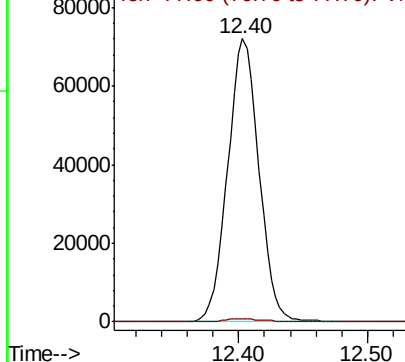


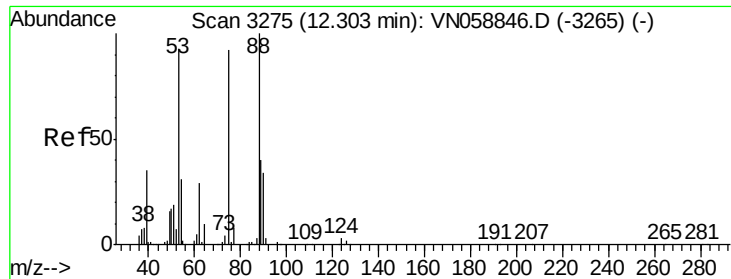
#76
 1,2,3-Trichloropropane
 Concen: 27.800 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN058950.D
 Acq: 24 Oct 2019 11:10

Tgt Ion: 75 Resp: 120984
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 77.00 (76.70 to 77.70): V

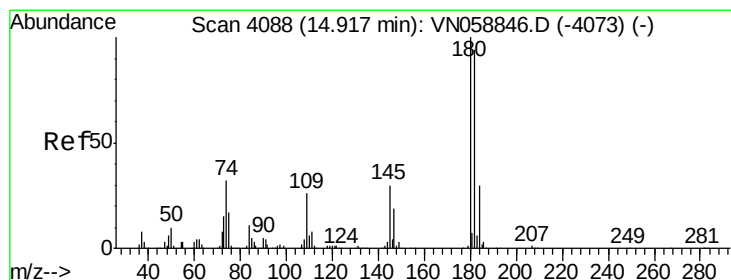
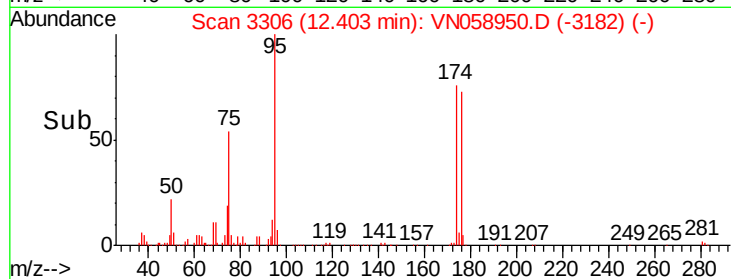
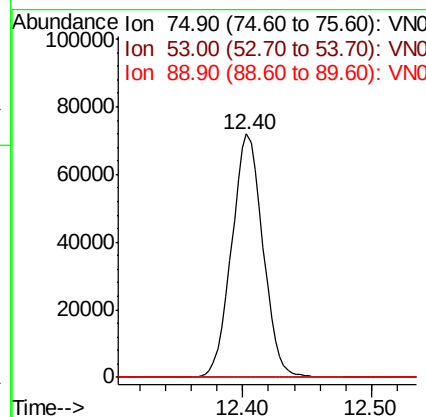
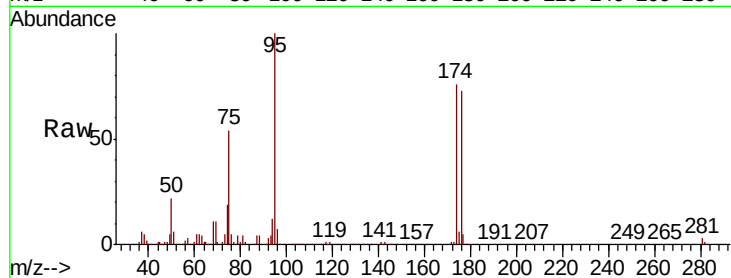




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.420 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058950.D
 Acq: 24 Oct 2019 11:10

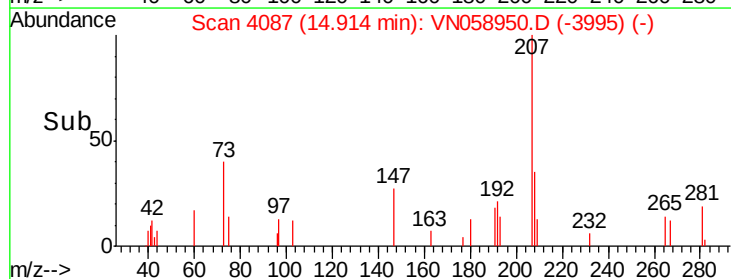
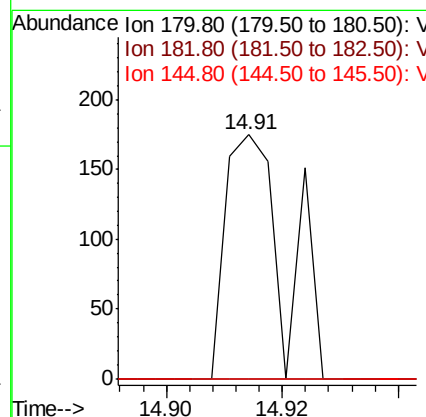
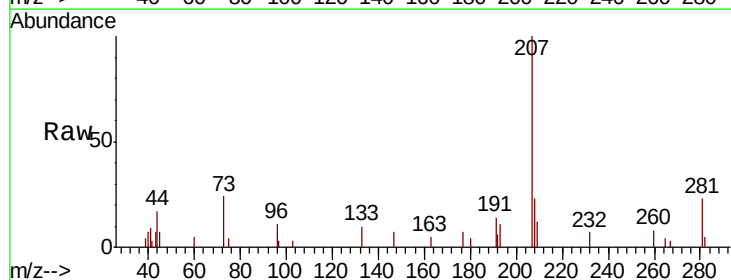
Instrument :
 MSVOA_N
 ClientSampleId :

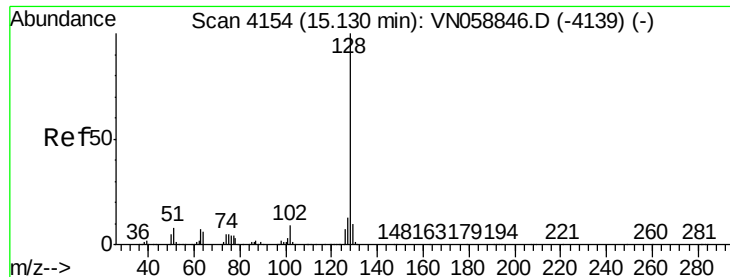
Tot Ion: 75 Resp: 120984
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 118.0#
 89 0.0 35.4 53.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.552 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058950.D
 Acq: 24 Oct 2019 11:10

Tgt Ion: 180 Resp: 124
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 15.3 45.8#





#95

Naphthalene

Concen: 2.288 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058950.D

Acq: 24 Oct 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

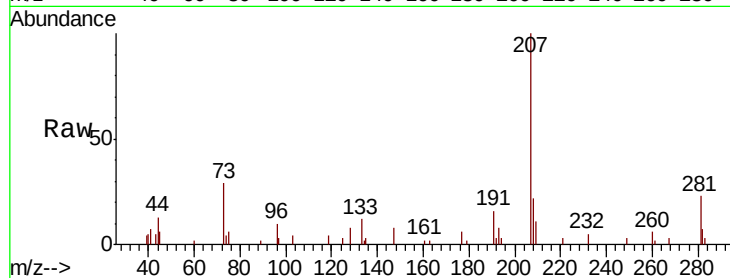
Tot Ion:128 Resp: 709

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

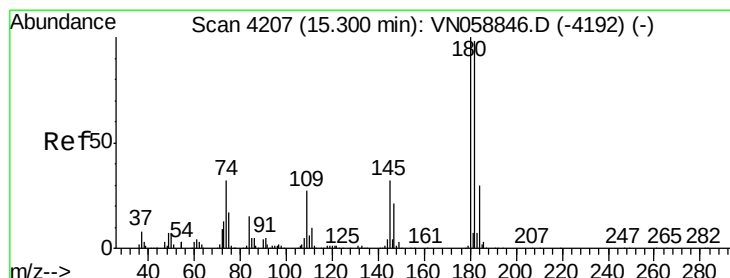
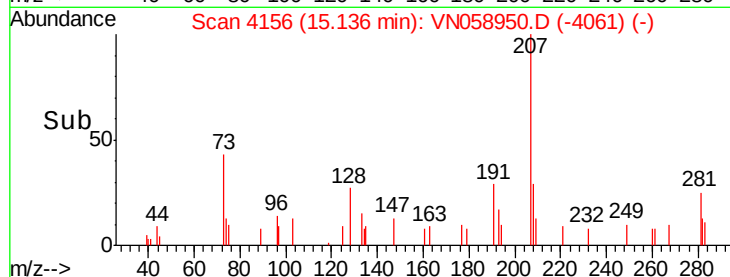
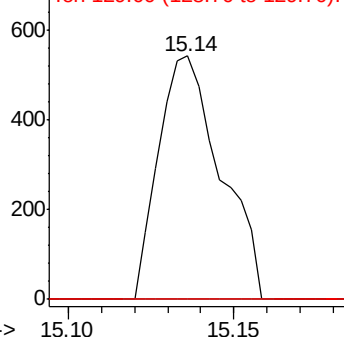
129 0.0 8.4 12.6#



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: 2.432 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN058950.D

Acq: 24 Oct 2019 11:10

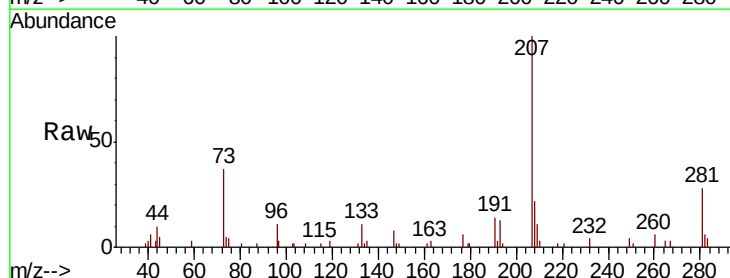
Tgt Ion:180 Resp: 143

Ion Ratio Lower Upper

180 100

182 47.6 47.9 143.7#

145 0.0 15.9 47.7#



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

