

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058726.D
 Acq On : 12 Oct 2019 1:10
 Operator : JC/SP
 Sample : PB123827TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 05:46:42 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	423477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	670234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	591910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	239123	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	304489	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
35) Dibromofluoromethane	7.57	113	217899	52.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.26%	
50) Toluene-d8	10.08	98	845288	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.40	95	277467	44.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.56%	
Target Compounds						
					Qvalue	
16) Acetone	3.80	43	3497	1.425	ug/l #	85
20) Methylene Chloride	4.53	84	3032	0.591	ug/l #	82
31) Cyclohexane	7.65	56	10374	1.193	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35523	5.242	ug/l #	50
38) Carbon Tetrachloride	7.65	117	42496	6.434	ug/l #	17
71) Bromoform	12.40	173	811	0.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	150683	28.725	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	150683	76.944	ug/l #	11

(#) = 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: VN058726.D

Acq: 12 Oct 2019 1:10

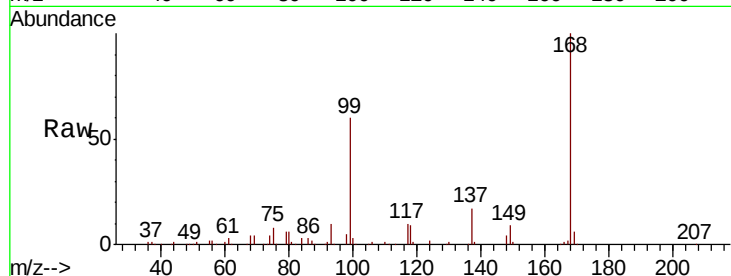
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 423477

Ion Ratio Lower Upper

168 100

99 59.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058726.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058726.D (-1734) (-)

7.65

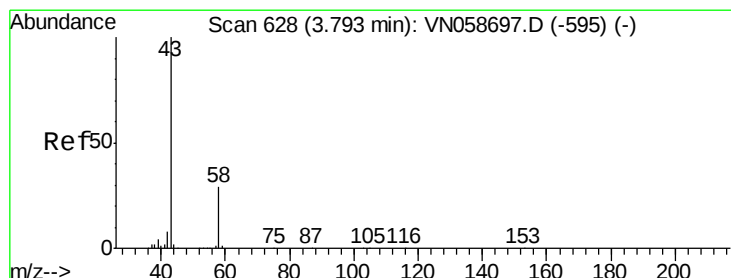
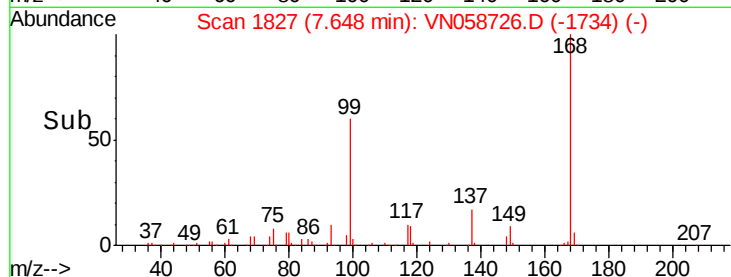
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.425 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058726.D

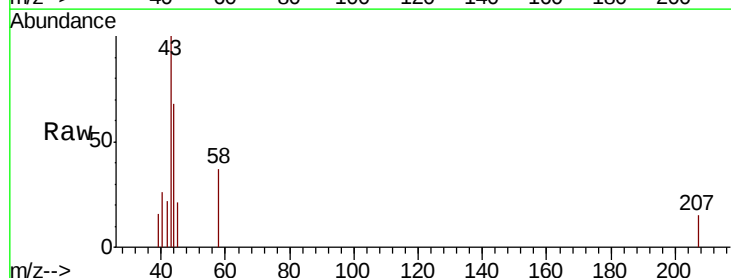
Acq: 12 Oct 2019 1:10

Tgt Ion: 43 Resp: 3497

Ion Ratio Lower Upper

43 100

58 37.2 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058726.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058726.D (-535) (-)

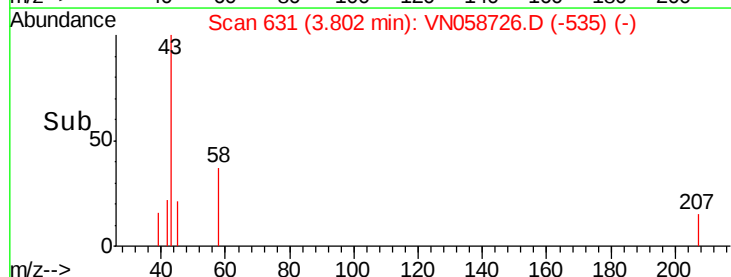
3.80

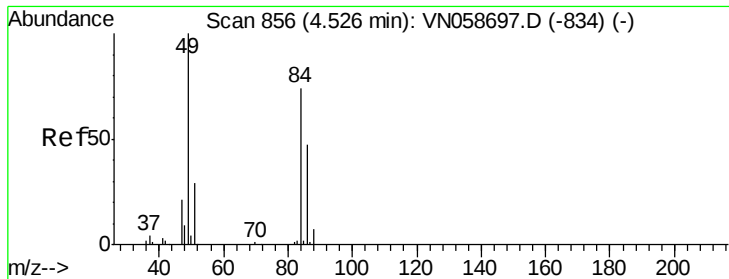
1000

500

0

Time-->





#20

Methylene Chloride

Concen: 0.591 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 3032

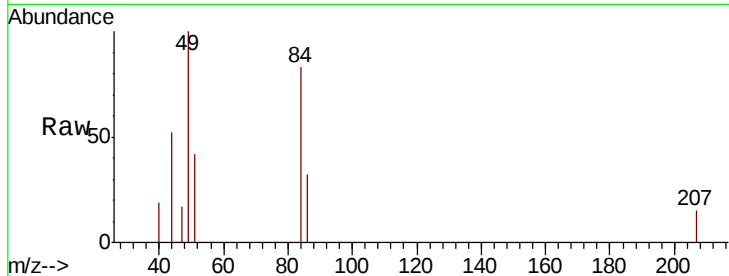
Ion Ratio Lower Upper

84 100

49 120.2 107.6 161.4

51 50.5 31.4 47.0#

86 38.4 50.3 75.5#

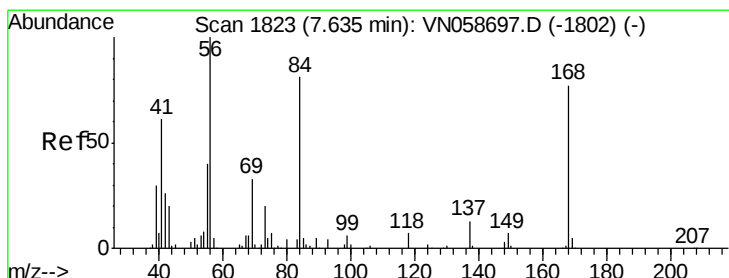
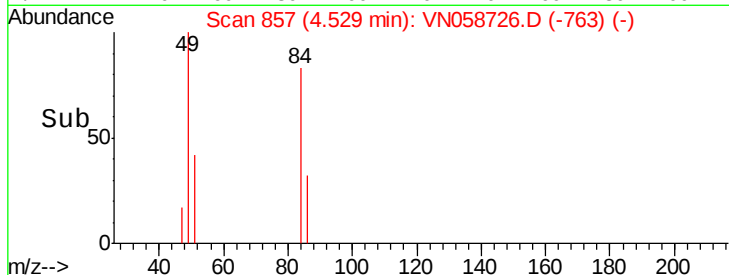
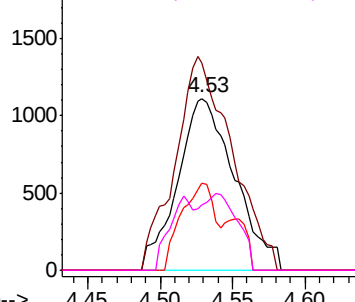


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

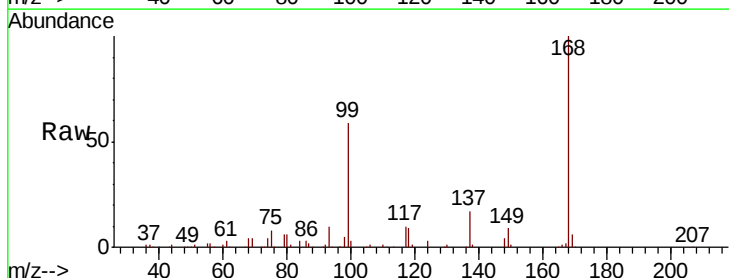
Tgt Ion: 56 Resp: 10374

Ion Ratio Lower Upper

56 100

69 157.3 26.2 39.4#

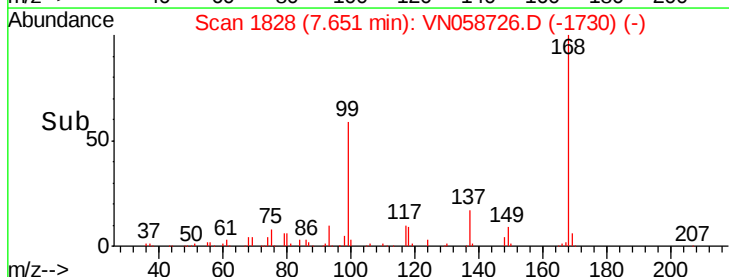
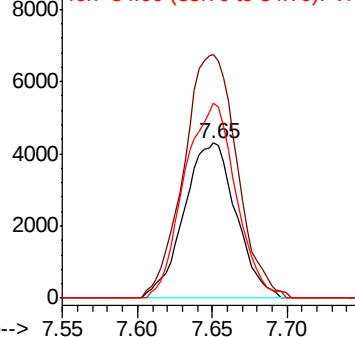
84 126.2 64.9 97.3#

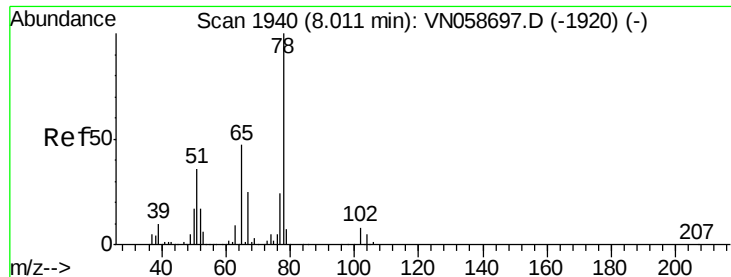


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

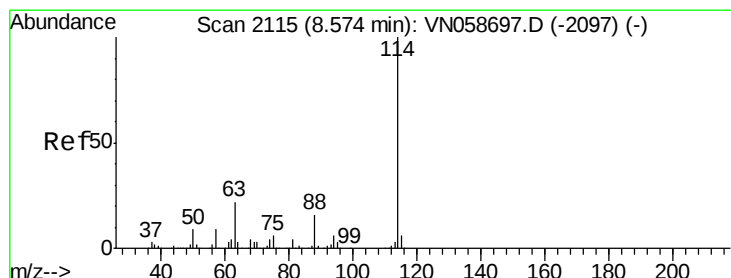
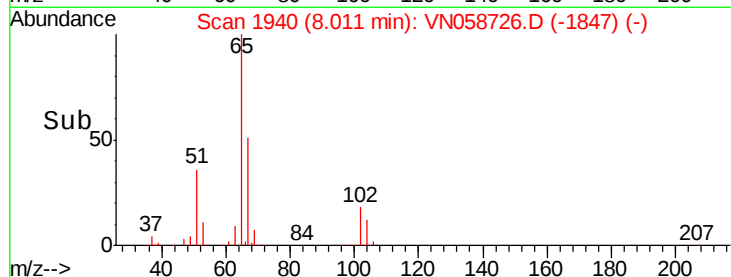
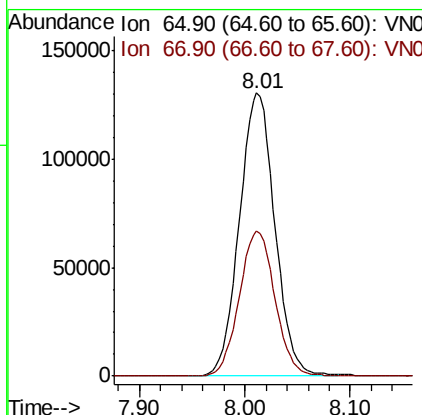
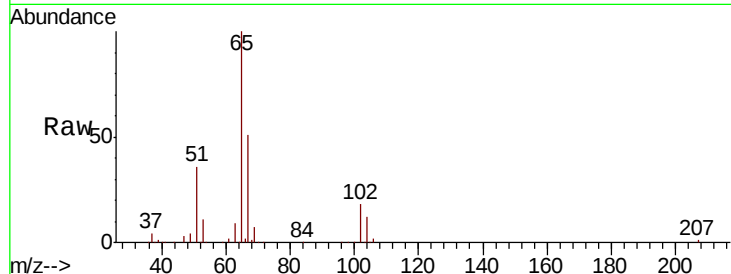




#33
 1,2-Dichloroethane-d4
 Concen: 51.359 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058726.D
 Acq: 12 Oct 2019 1:10

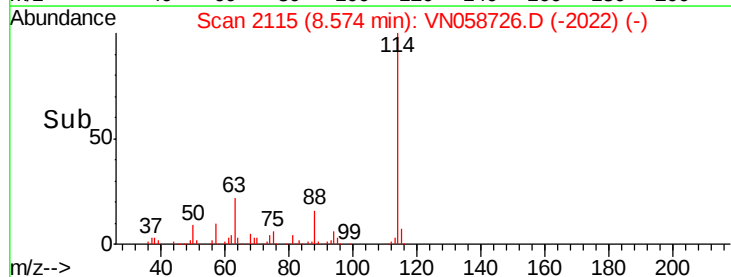
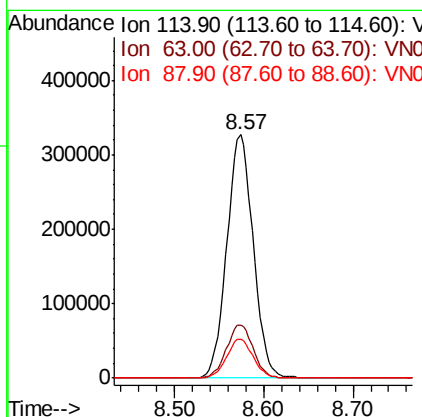
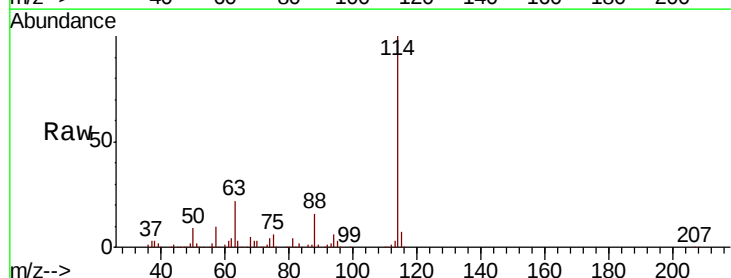
Instrument :
 MSVOA_N
 ClientSampled :

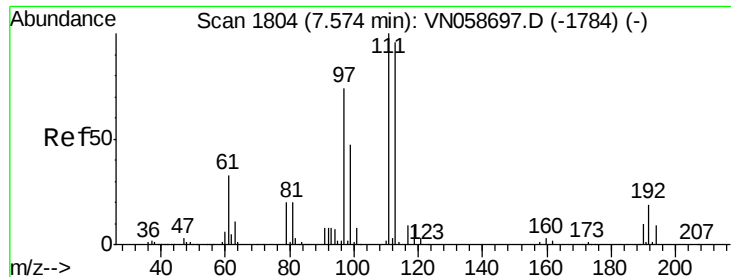
Tot Ion: 65 Resp: 304489
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058726.D
 Acq: 12 Oct 2019 1:10

Tgt Ion: 114 Resp: 670234
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 15.9 0.0 32.0

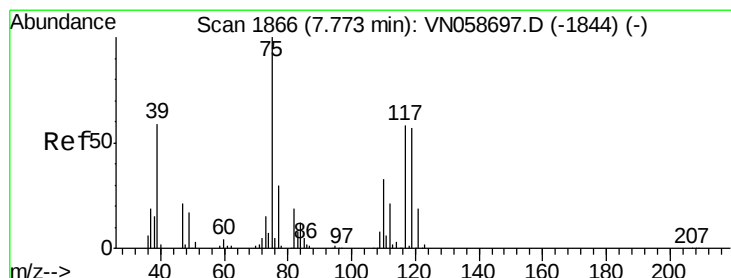
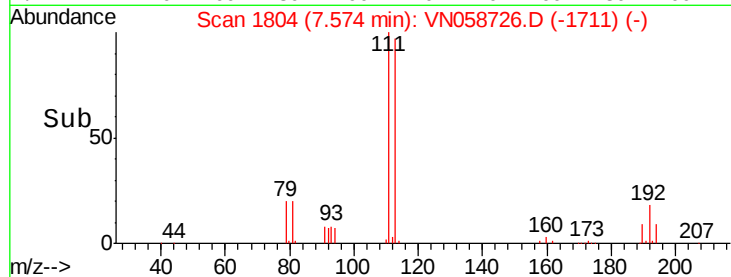
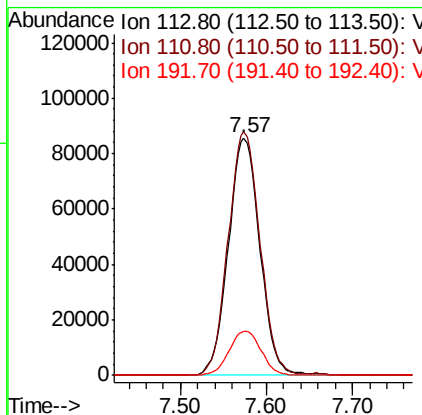
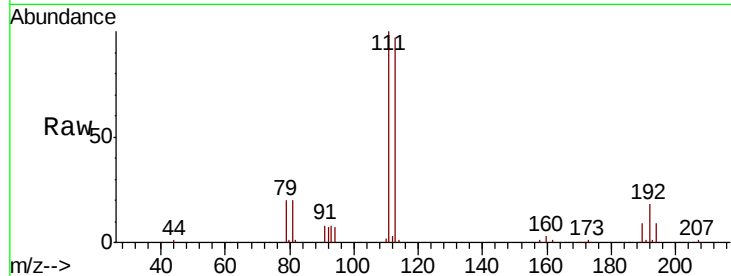




#35
 Dibromofluoromethane
 Concen: 52.634 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058726.D
 Acq: 12 Oct 2019 1:10

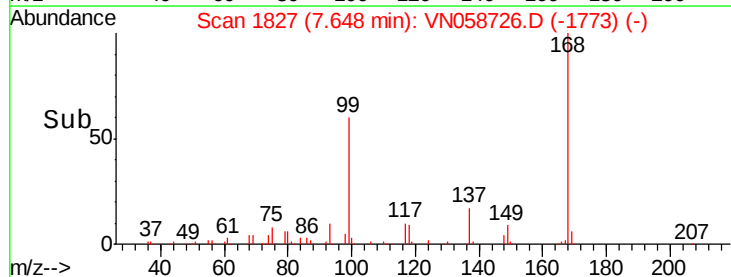
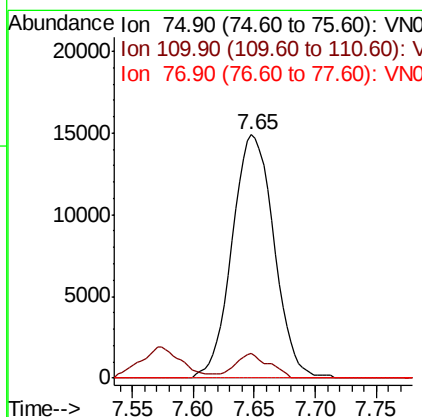
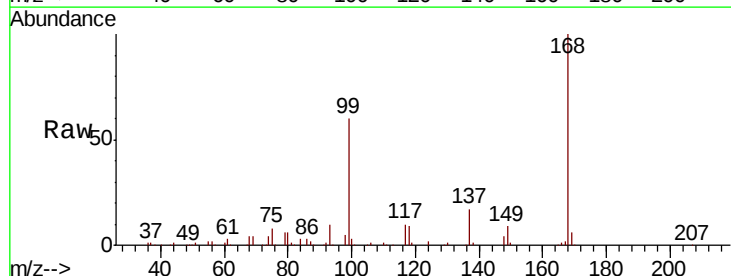
Instrument :
 MSVOA_N
 ClientSampleId :

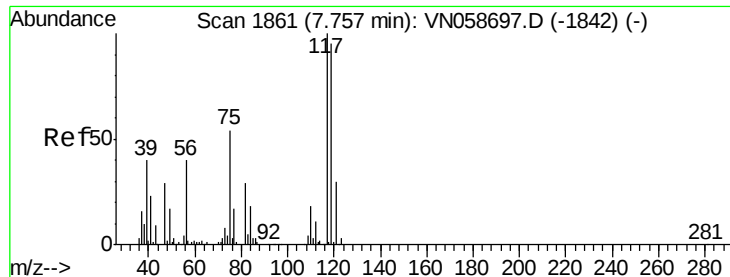
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.3	123.5
192	18.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.242 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058726.D
 Acq: 12 Oct 2019 1:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.6	49.8#
77	0.0	24.6	37.0#

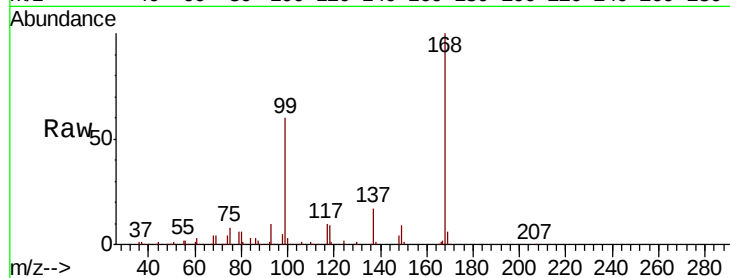




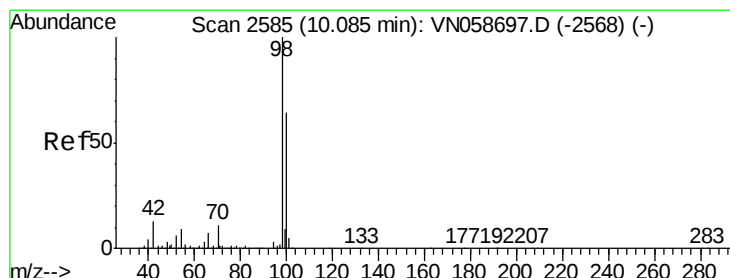
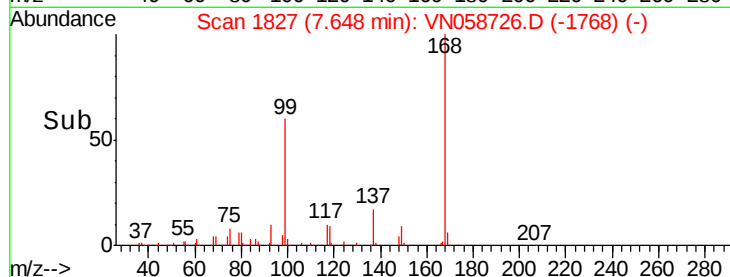
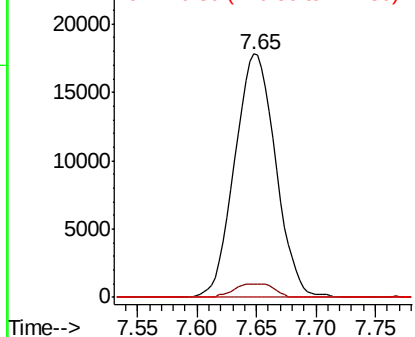
#38
Carbon Tetrachloride
Concen: 6.434 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058726.D
Acq: 12 Oct 2019 1:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 42496
Ion Ratio Lower Upper
117 100
119 5.2 75.7 113.5#
121 0.0 23.9 35.9#

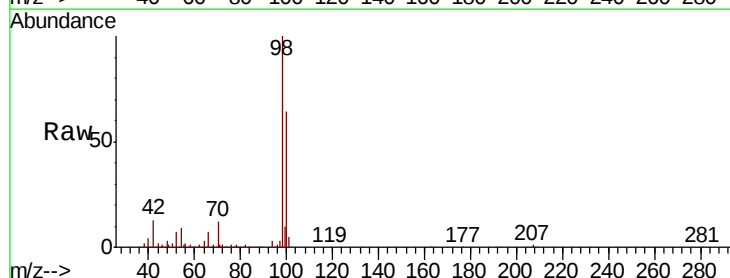


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

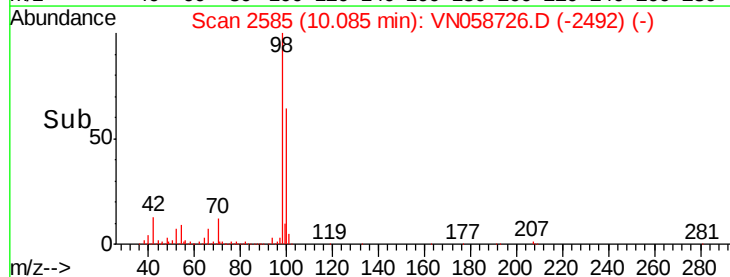
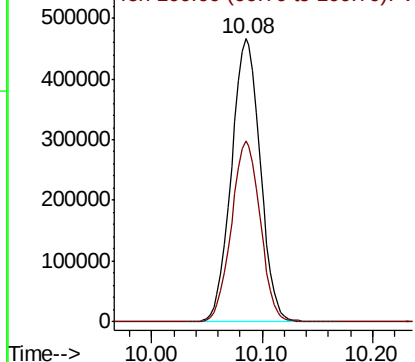


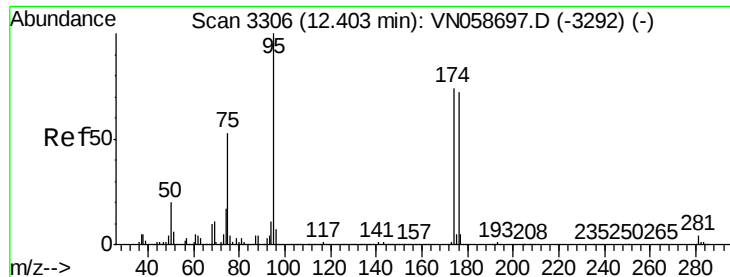
#50
Toluene-d8
Concen: 51.060 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058726.D
Acq: 12 Oct 2019 1:10

Tgt Ion: 98 Resp: 845288
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



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

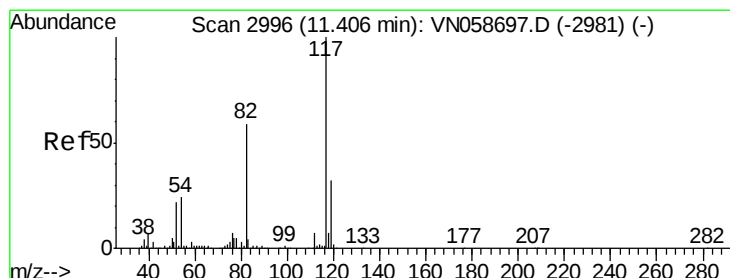
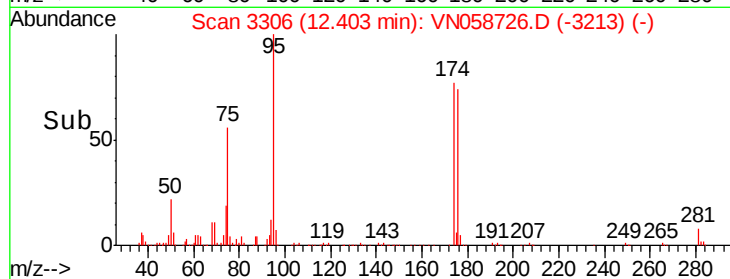
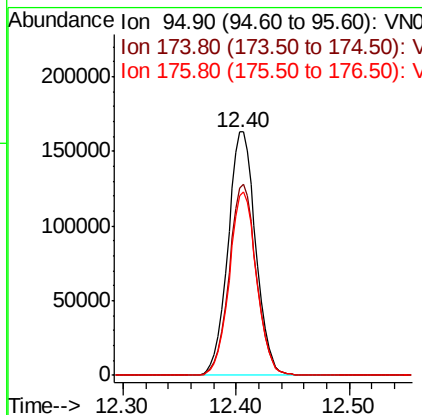
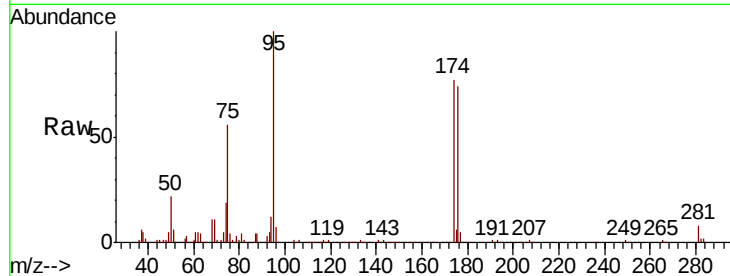




#62
4-Bromofluorobenzene
Concen: 44.278 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058726.D
Acq: 12 Oct 2019 1:10

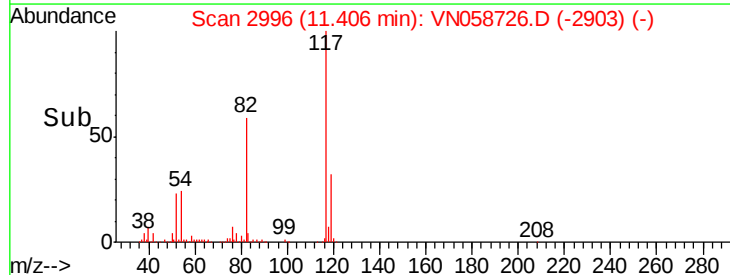
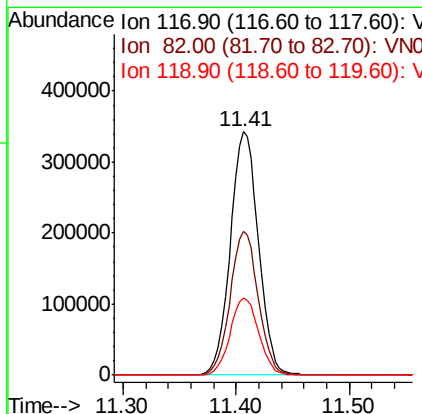
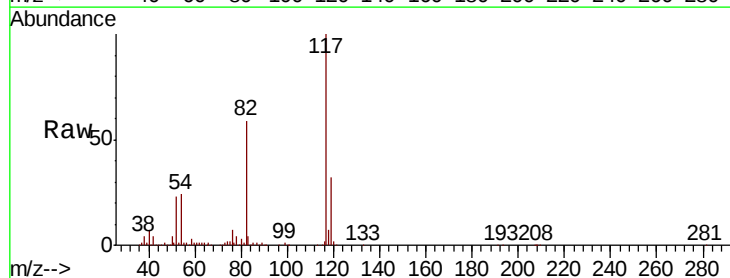
Instrument :
MSVOA_N
ClientSampleId :

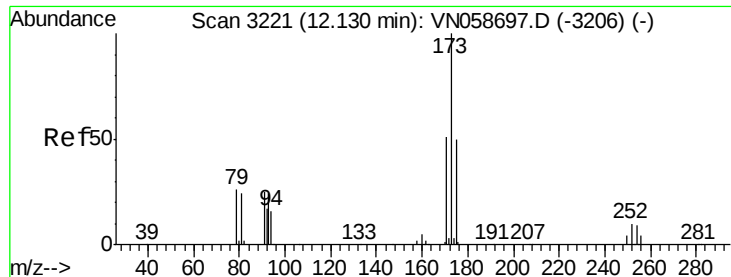
Tot Ion: 95 Resp: 277467
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.4
176 74.1 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058726.D
Acq: 12 Oct 2019 1:10

Tgt Ion: 117 Resp: 591910
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 31.7 25.4 38.2





#71

Bromoform

Concen: 0.249 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

Instrument :

MSVOA_N

ClientSampleId :

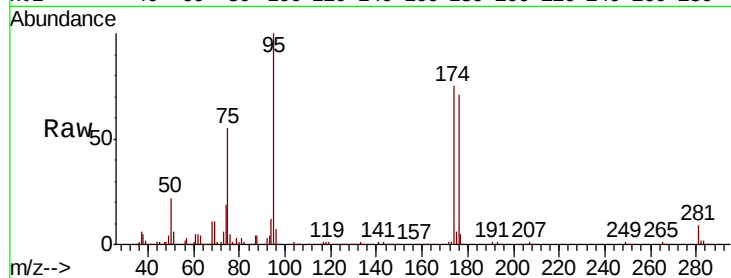
Tot Ion:173 Resp: 811

Ion Ratio Lower Upper

173 100

175 1650.4 24.6 73.8#

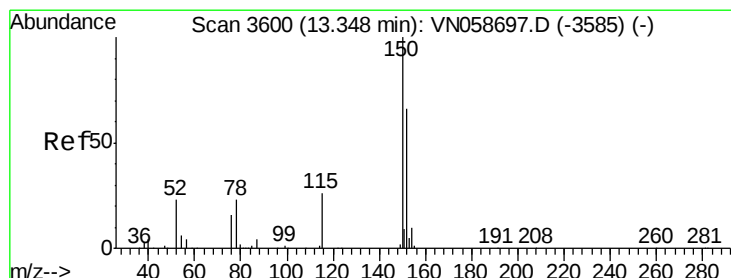
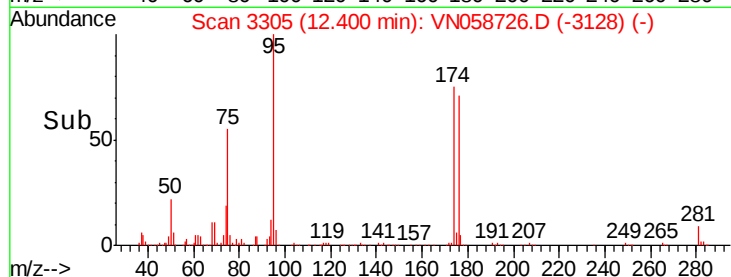
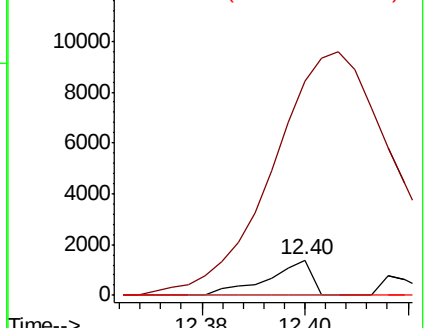
254 0.0 0.1 0.1#



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: VN058726.D

Acq: 12 Oct 2019 1:10

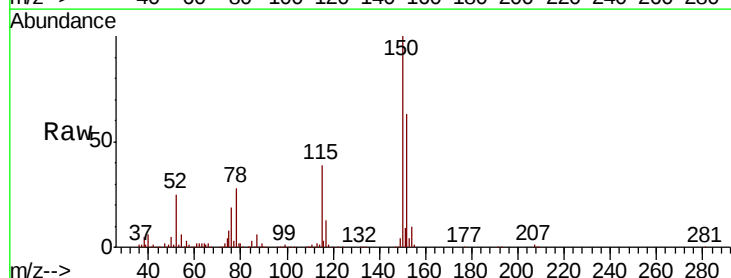
Tgt Ion:152 Resp: 239123

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.2

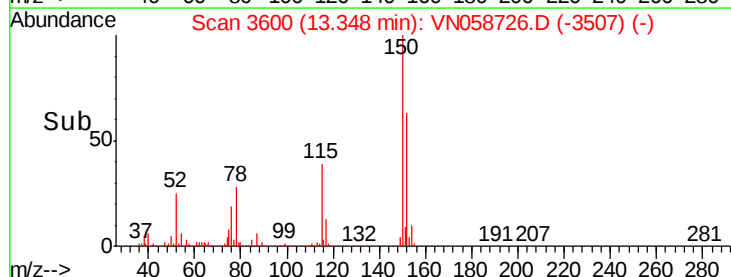
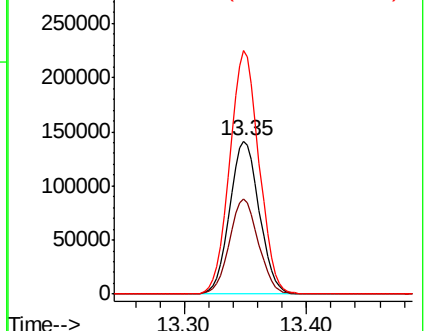
150 157.5 0.0 345.4

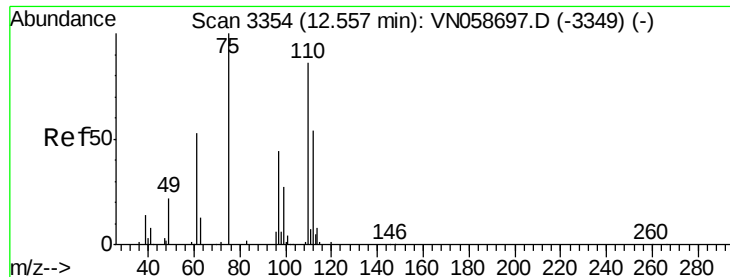


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.725 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

Instrument :

MSVOA_N

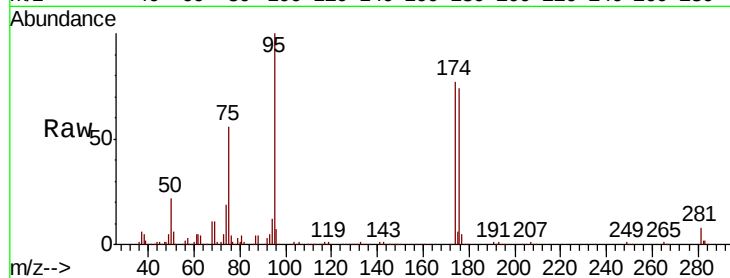
ClientSampled :

Tot Ion: 75 Resp: 150683

Ion Ratio Lower Upper

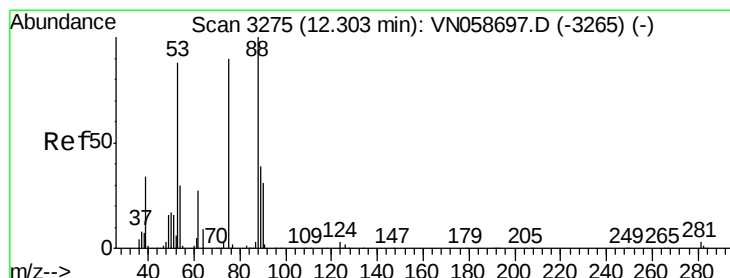
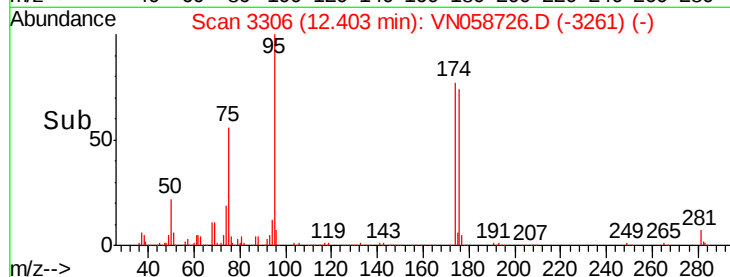
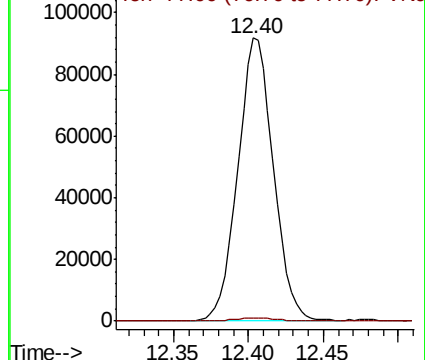
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 76.944 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058726.D

Acq: 12 Oct 2019 1:10

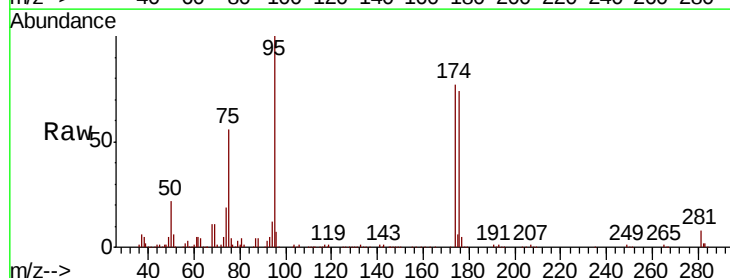
Tgt Ion: 75 Resp: 150683

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

