

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058569.D
 Acq On : 7 Oct 2019 16:24
 Operator : JC/SP
 Sample : K5197-06DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 14:06:01 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	513765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	813126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	711088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	347951	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
35) Dibromofluoromethane	7.57	113	250301	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.08	98	1003186	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.41	95	339297	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

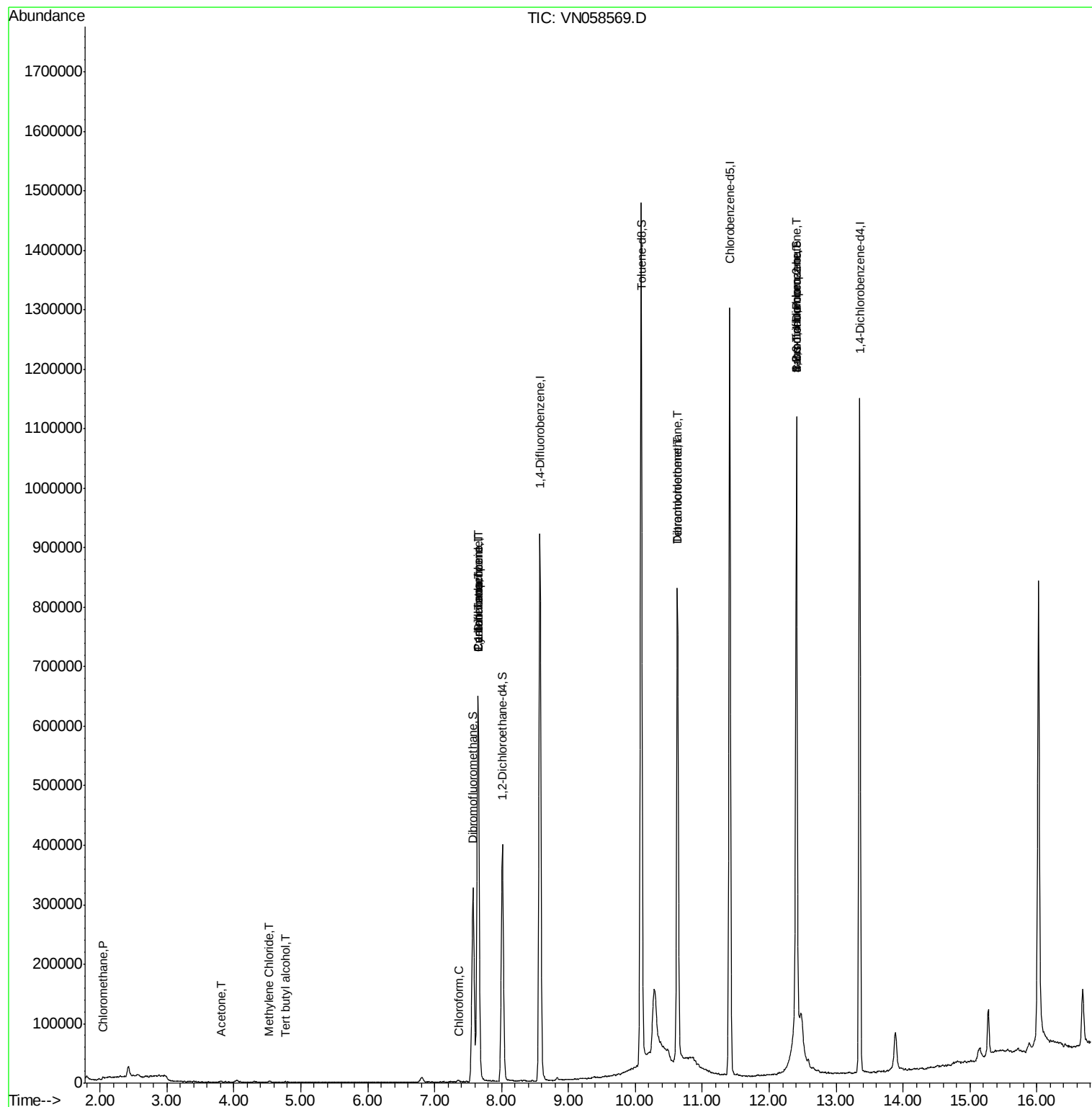
					Qvalue	
3) Chloromethane	2.04	50	2106	0.340	ug/l	98
11) Tert butyl alcohol	4.77	59	1470	1.762	ug/l #	71
16) Acetone	3.80	43	1212	0.474	ug/l	98
20) Methylene Chloride	4.53	84	1305	0.221	ug/l #	93
30) Chloroform	7.36	83	2864	0.265	ug/l	86
31) Cyclohexane	7.65	56	11600	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	43484	5.593	ug/l #	51
38) Carbon Tetrachloride	7.65	117	51257	7.304	ug/l #	17
60) Dibromochloromethane	10.63	129	167743	31.419	ug/l #	11
64) Tetrachloroethene	10.63	164	180685	39.994	ug/l	99
71) Bromoform	12.41	173	1615	1.179	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	180609	34.186	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	180609	103.827	ug/l #	7

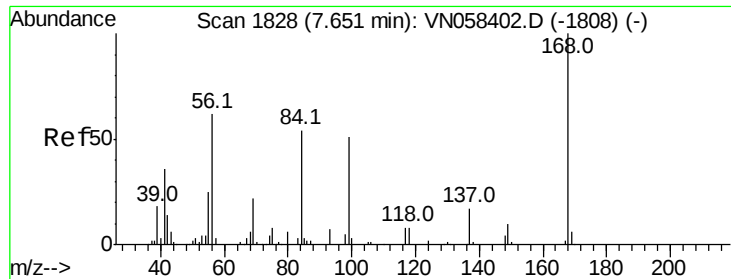
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058569.D

Acq: 7 Oct 2019 16:24

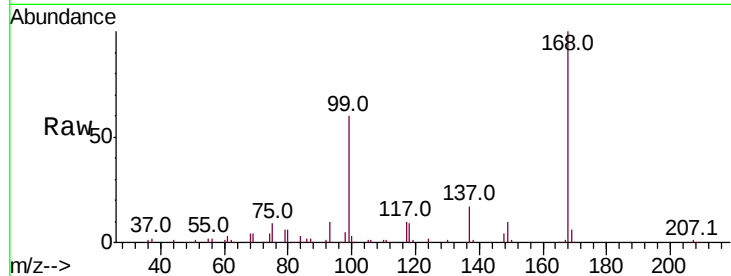
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 513765

Ion Ratio Lower Upper

168 100

99 60.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058402.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058402.D (-1808) (-)

7.65

250000

200000

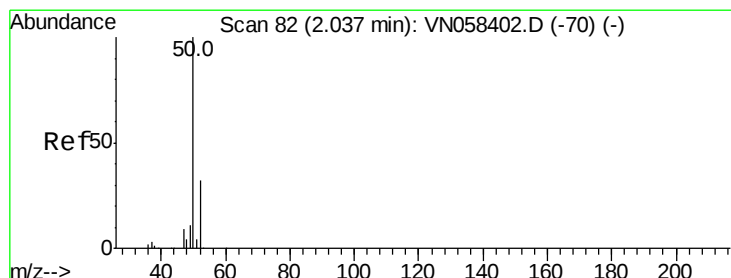
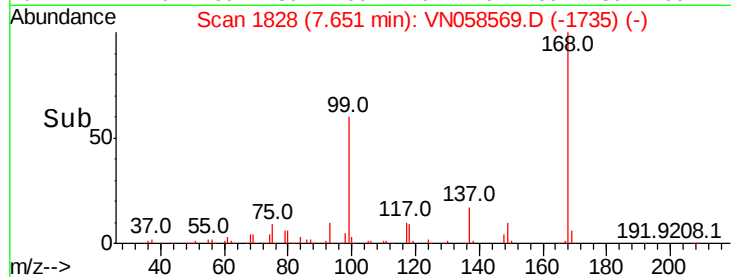
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.340 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058569.D

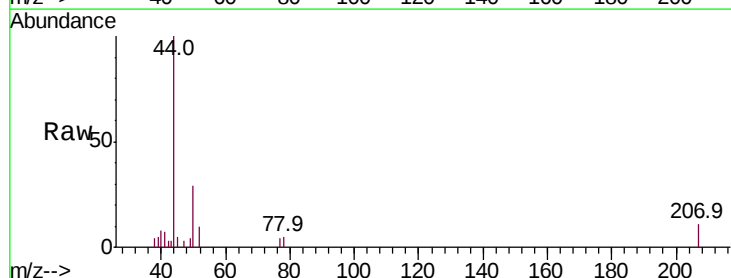
Acq: 7 Oct 2019 16:24

Tgt Ion: 50 Resp: 2106

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN058569.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN058569.D (-1) (-)

2.04

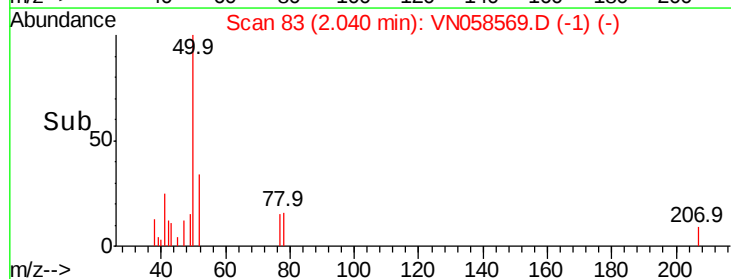
1500

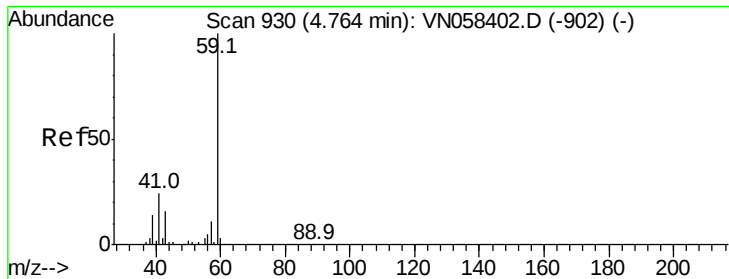
1000

500

0

Time-->



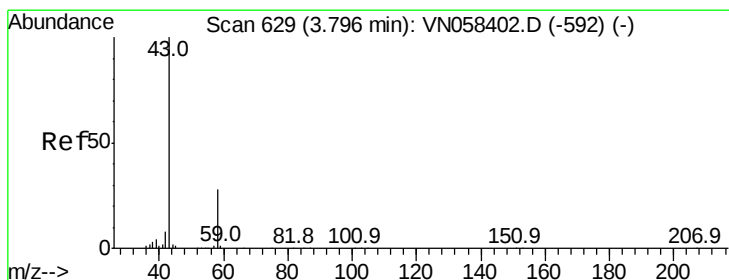
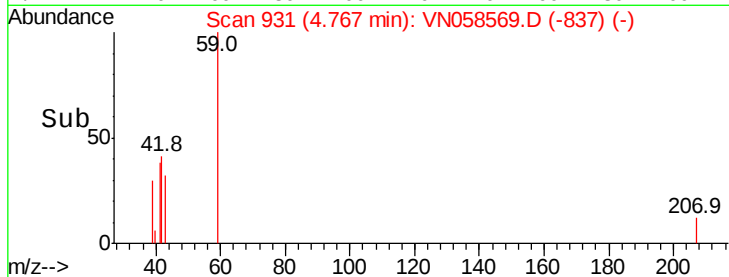
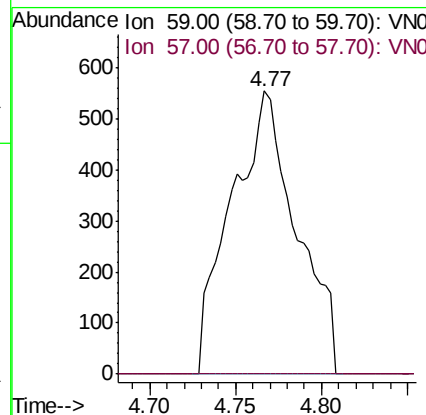
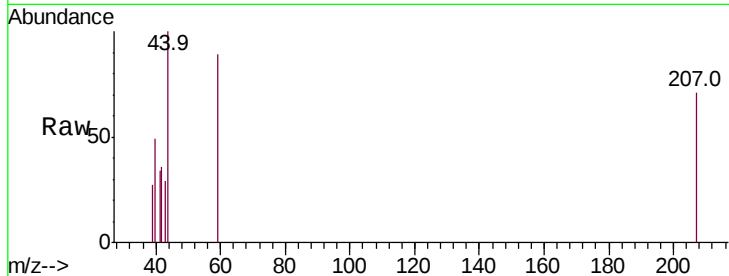


#11

Tert butyl alcohol
 Concen: 1.762 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN058569.D
 Acq: 7 Oct 2019 16:24

Instrument :
 MSVOA_N
 ClientSampled :

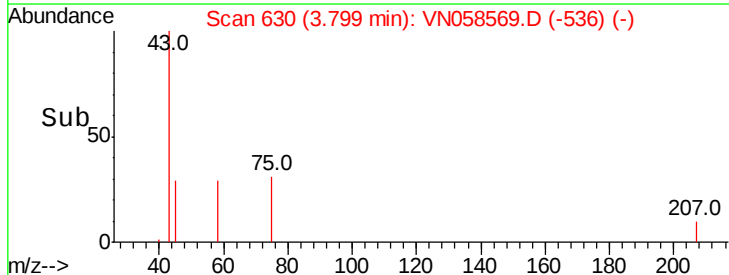
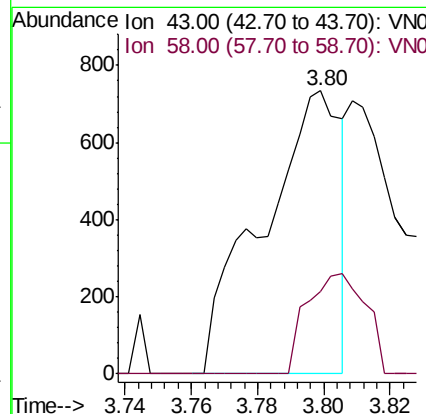
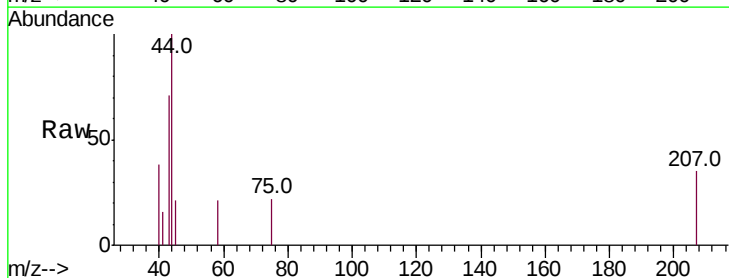
Tot Ion: 59 Resp: 1470
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

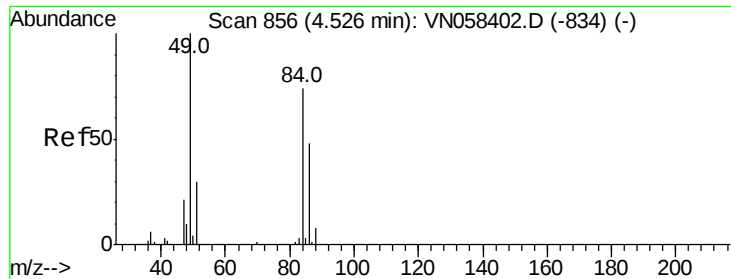


#16

Acetone
 Concen: 0.474 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN058569.D
 Acq: 7 Oct 2019 16:24

Tgt Ion: 43 Resp: 1212
 Ion Ratio Lower Upper
 43 100
 58 29.0 22.4 33.6





#20

Methylene Chloride

Concen: 0.221 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058569.D

Acq: 7 Oct 2019 16:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 1305

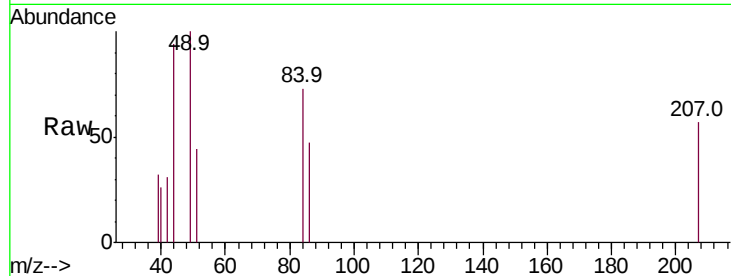
Ion Ratio Lower Upper

84 100

49 137.3 107.9 161.9

51 60.7 32.8 49.2#

86 65.0 51.5 77.3

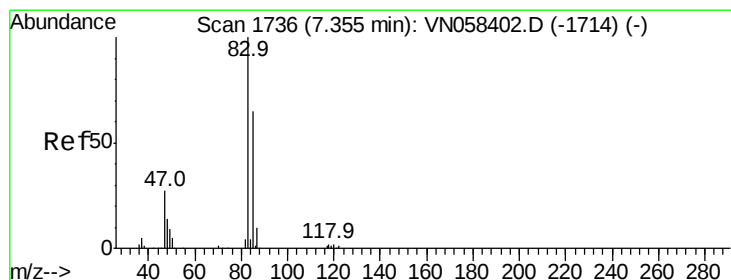
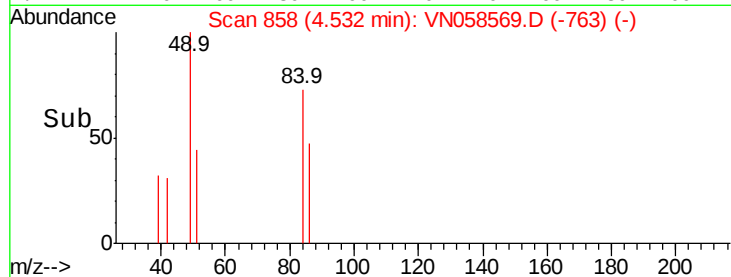
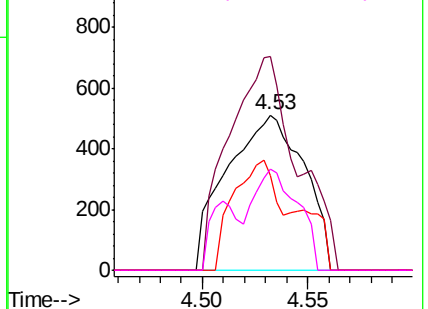


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#30

Chloroform

Concen: 0.265 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN058569.D

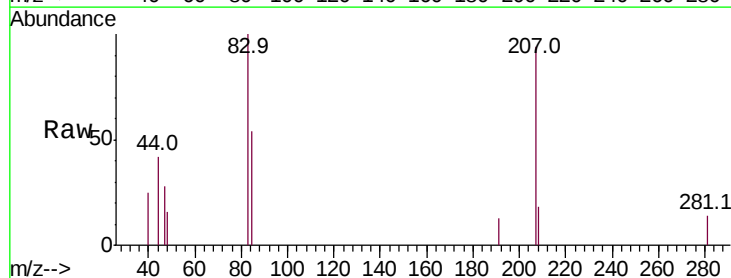
Acq: 7 Oct 2019 16:24

Tgt Ion: 83 Resp: 2864

Ion Ratio Lower Upper

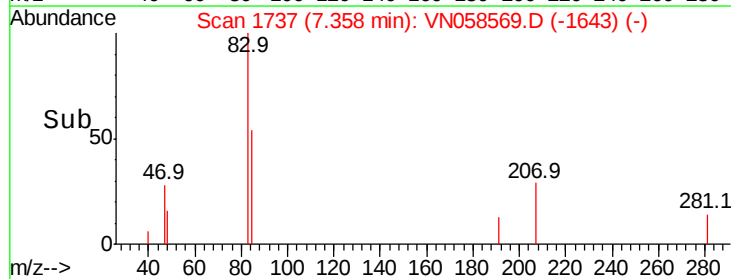
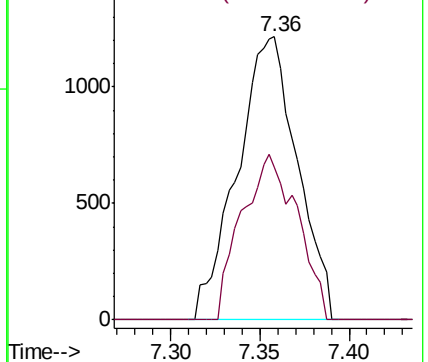
83 100

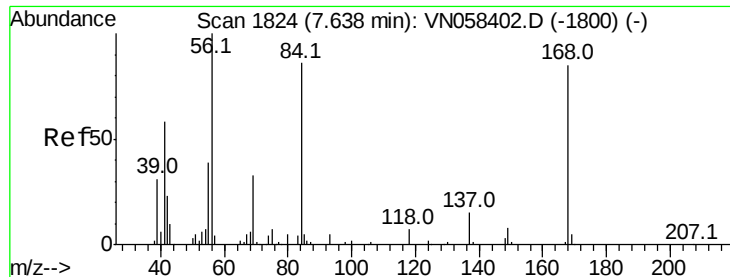
85 54.0 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058569.D

Acq: 7 Oct 2019 16:24

Instrument :
MSVOA_N
ClientSampled :

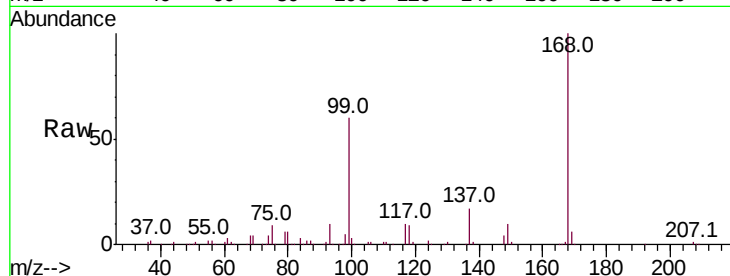
Tot Ion: 56 Resp: 11600

Ion Ratio Lower Upper

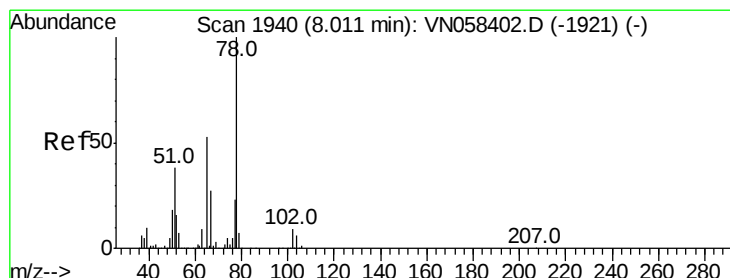
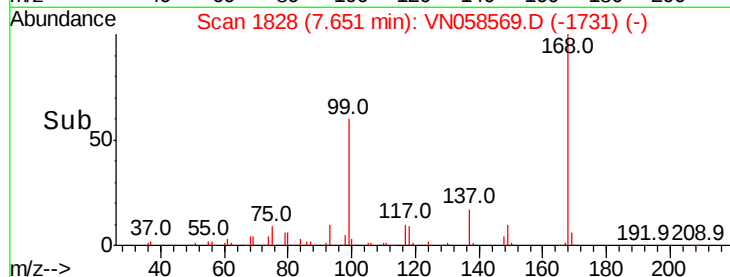
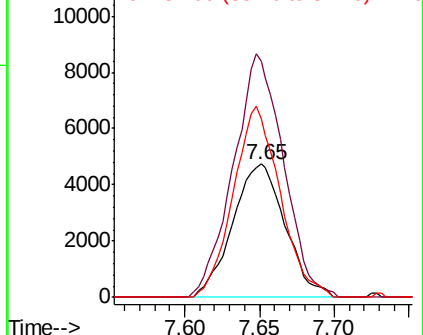
56 100

69 177.2 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: 46.345 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058569.D

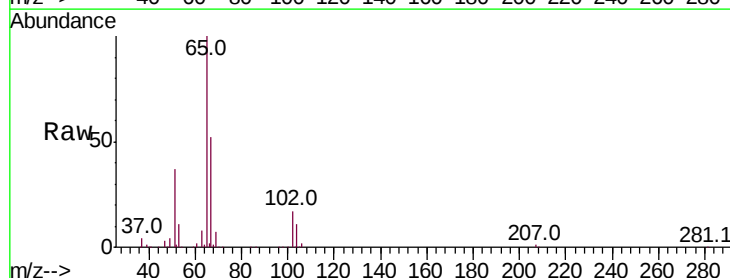
Acq: 7 Oct 2019 16:24

Tgt Ion: 65 Resp: 347951

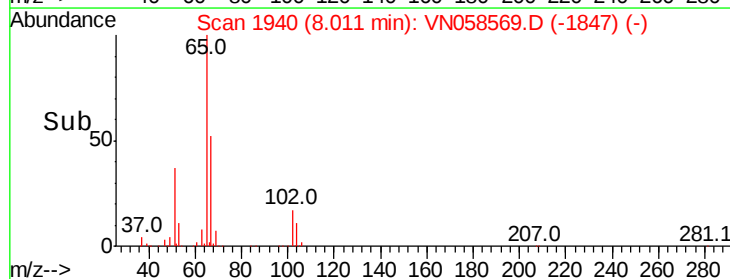
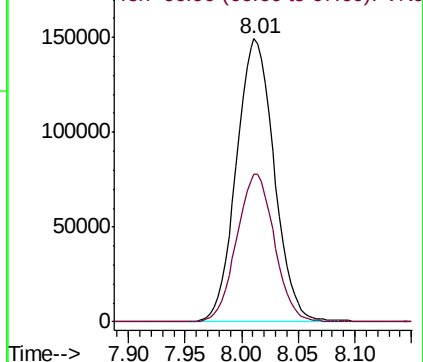
Ion Ratio Lower Upper

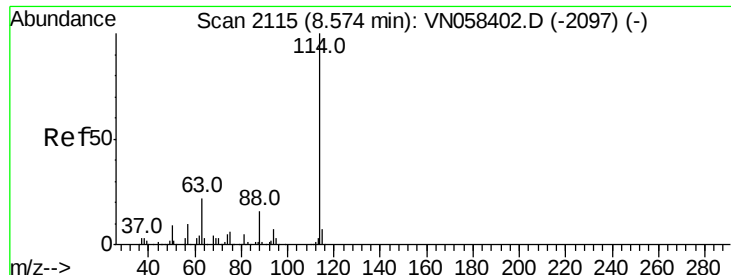
65 100

67 52.2 0.0 102.4



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

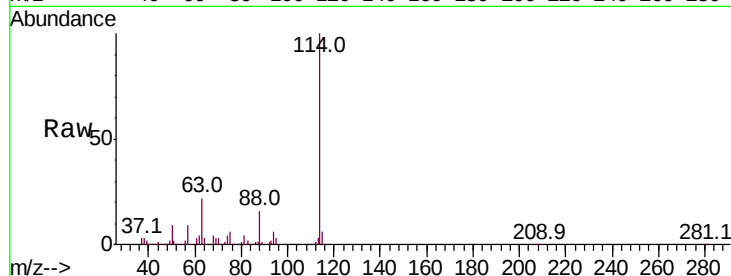




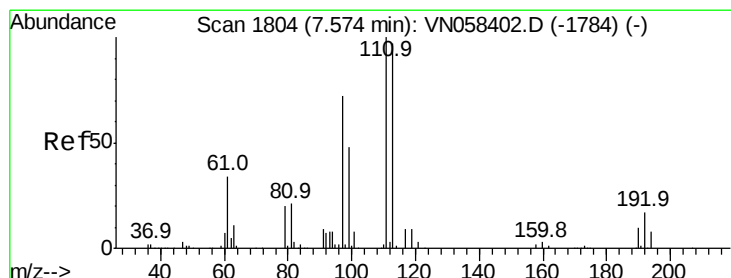
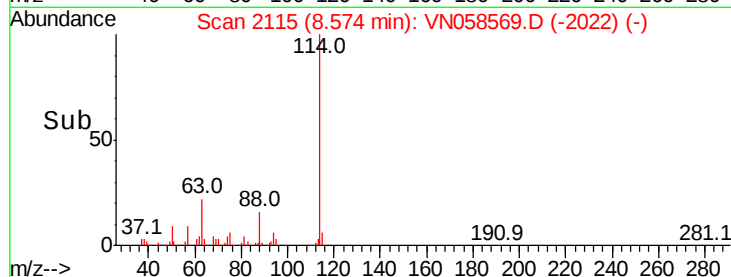
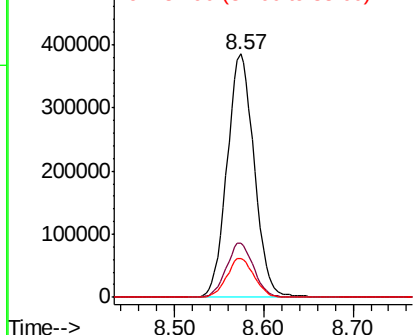
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058569.D
Acq: 7 Oct 2019 16:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 813126
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.0
88 16.1 0.0 32.2

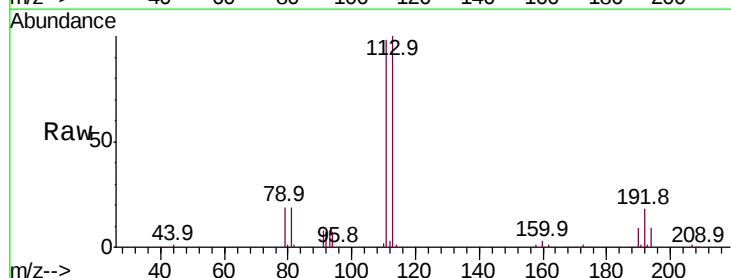


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

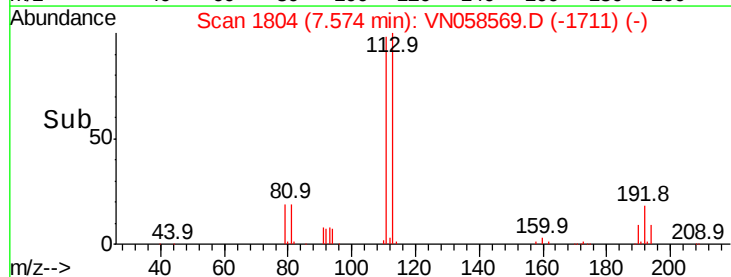
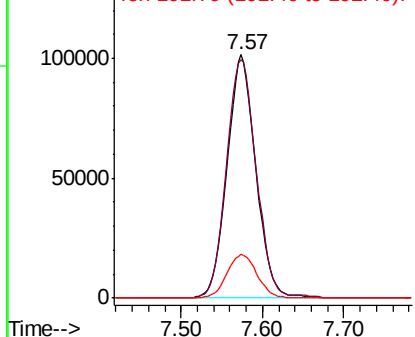


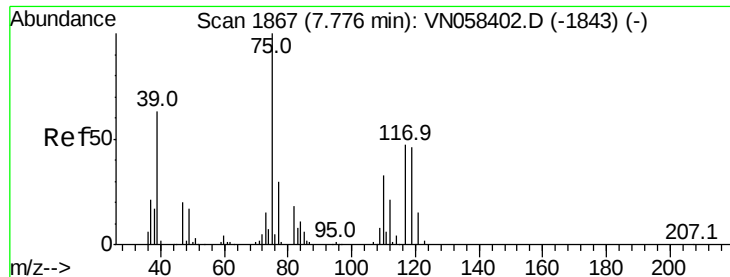
#35
Dibromofluoromethane
Concen: 50.225 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058569.D
Acq: 7 Oct 2019 16:24

Tgt Ion:113 Resp: 250301
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.2
192 18.8 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

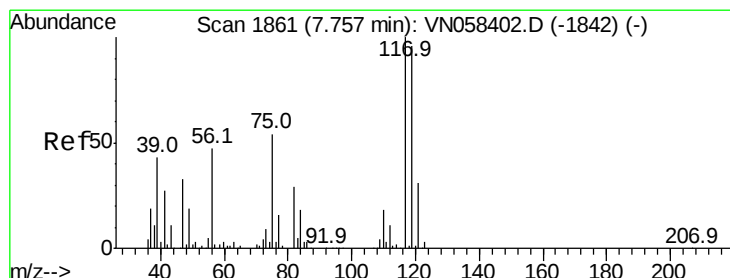
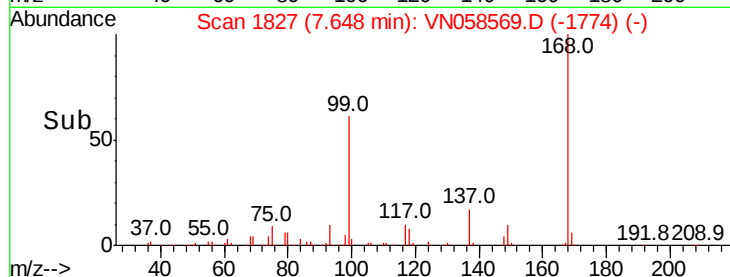
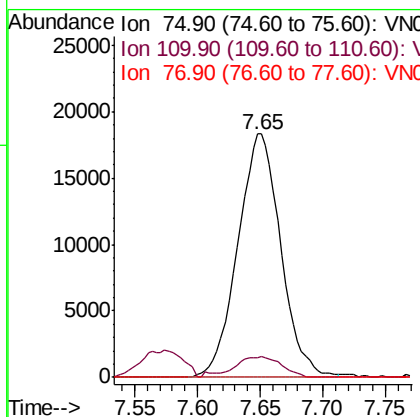
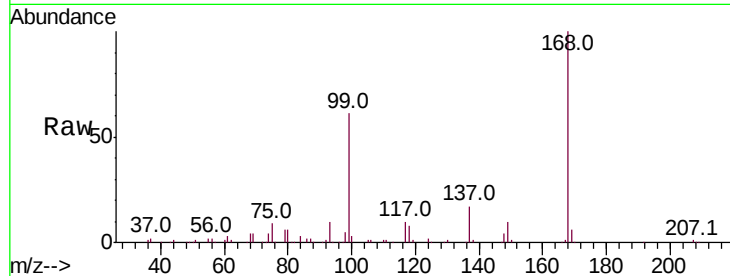




#36
 1,1-Dichloropropene
 Concen: 5.593 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058569.D
 Acq: 7 Oct 2019 16:24

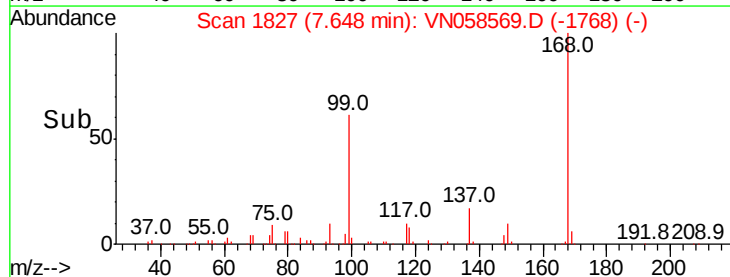
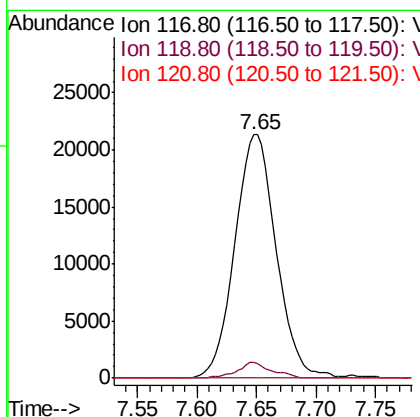
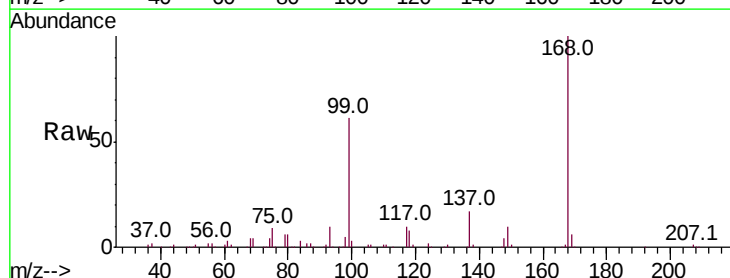
Instrument :
 MSVOA_N
 ClientSampleId :

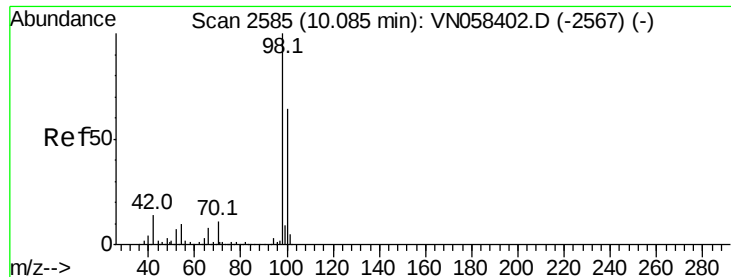
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.304 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058569.D
 Acq: 7 Oct 2019 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.6	115.0#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 51.386 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058569.D

Acq: 7 Oct 2019 16:24

Instrument :

MSVOA_N

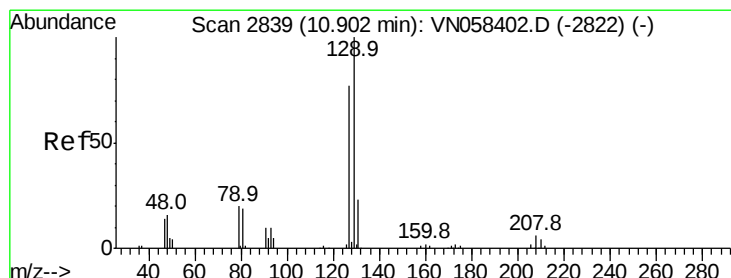
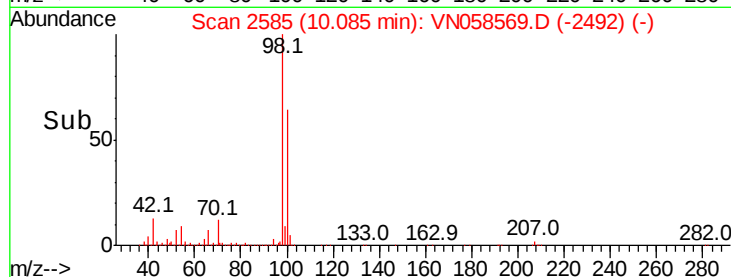
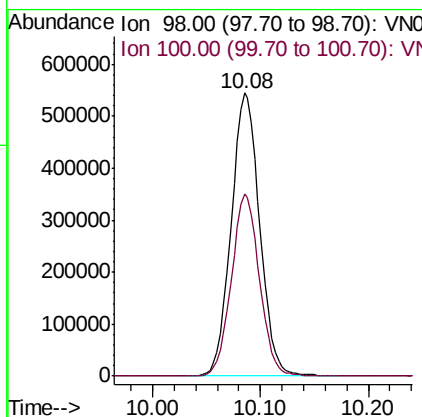
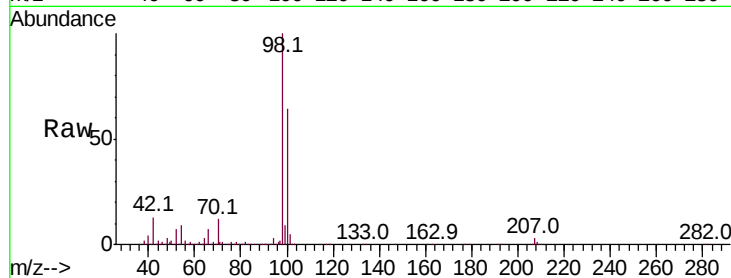
ClientSampled :

Tot Ion: 98 Resp: 1003186

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



#60

Dibromochloromethane

Concen: 31.419 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058569.D

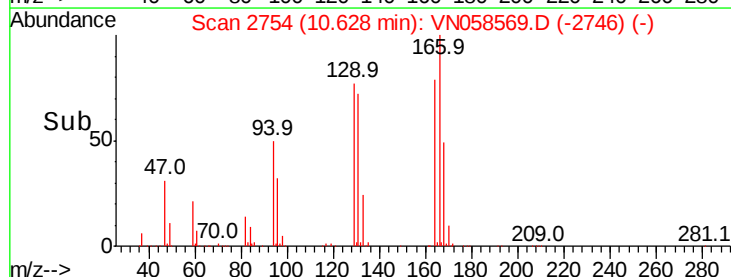
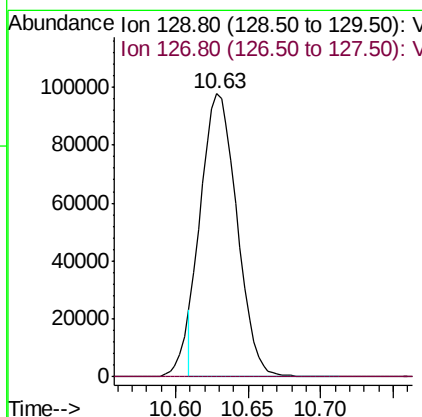
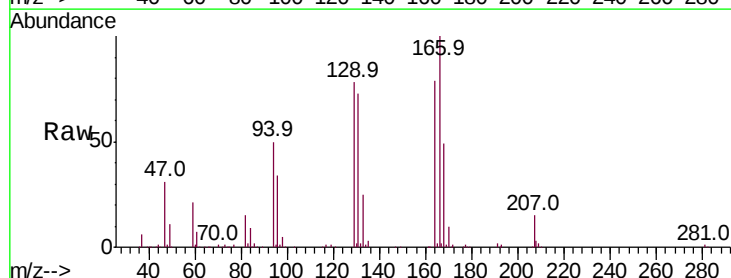
Acq: 7 Oct 2019 16:24

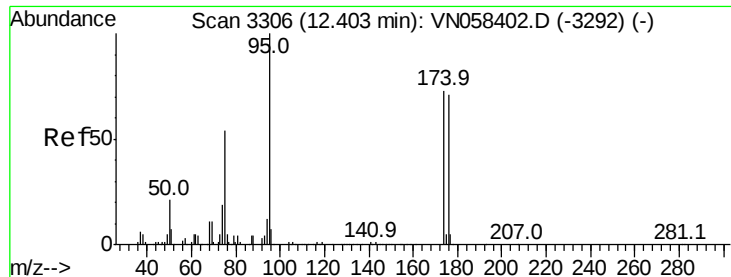
Tgt Ion: 129 Resp: 167743

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#

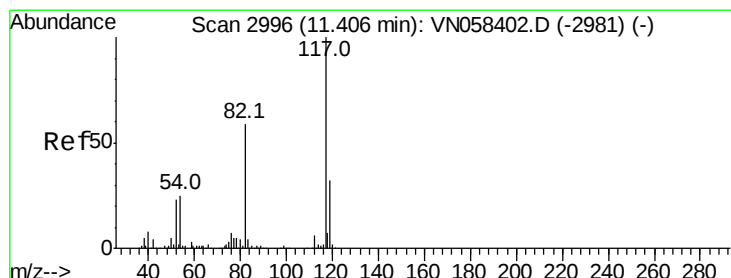
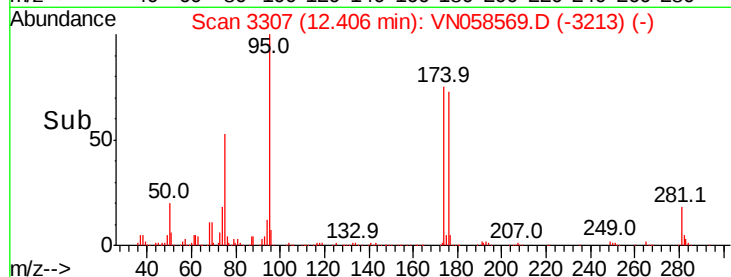
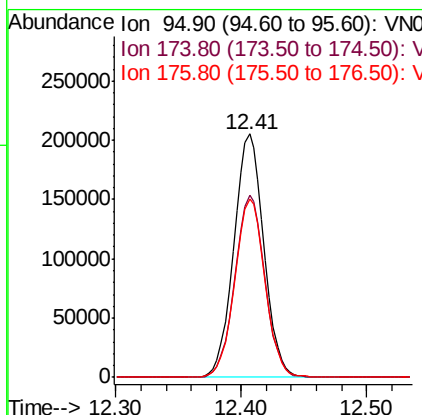
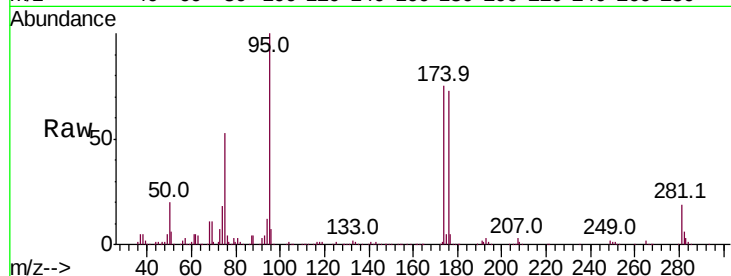




#62
4-Bromofluorobenzene
Concen: 48.066 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058569.D
Acq: 7 Oct 2019 16:24

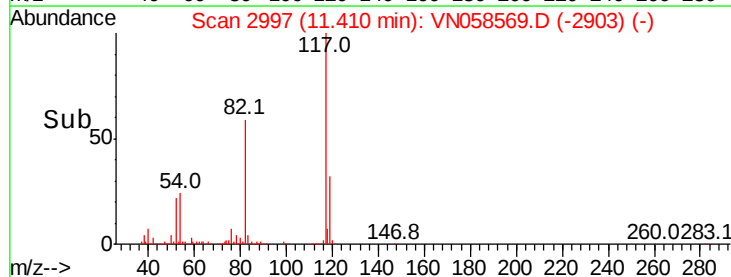
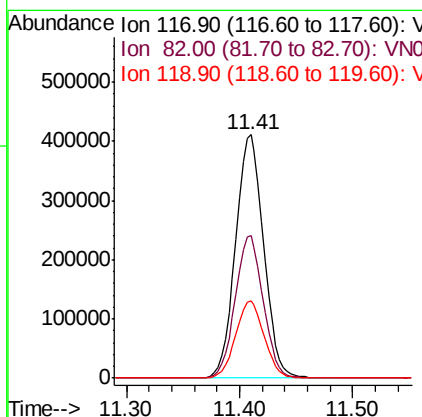
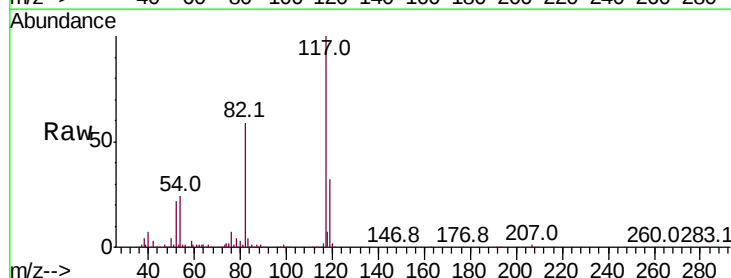
Instrument :
MSVOA_N
ClientSampled :

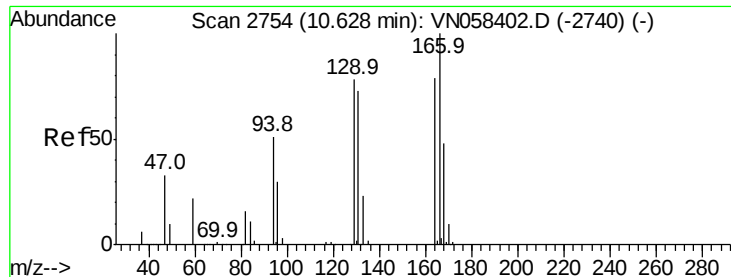
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.6
176	73.6	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058569.D
Acq: 7 Oct 2019 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.4	71.0
119	31.9	25.5	38.3





#64

Tetrachloroethene

Concen: 39.994 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058569.D

Acq: 7 Oct 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 180685

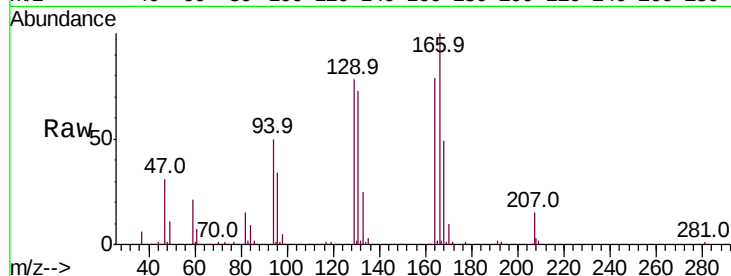
Ion Ratio Lower Upper

164 100

166 125.8 101.1 151.7

129 97.6 79.2 118.8

131 92.1 74.1 111.1



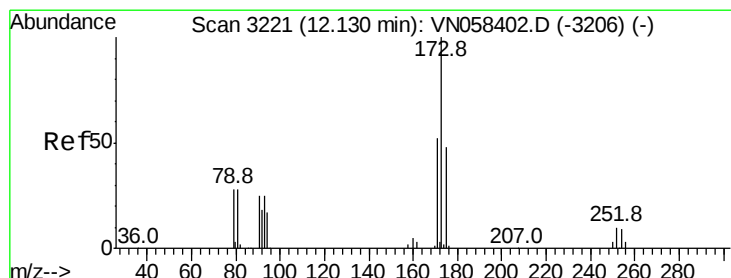
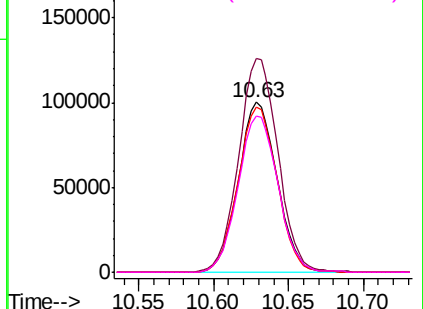
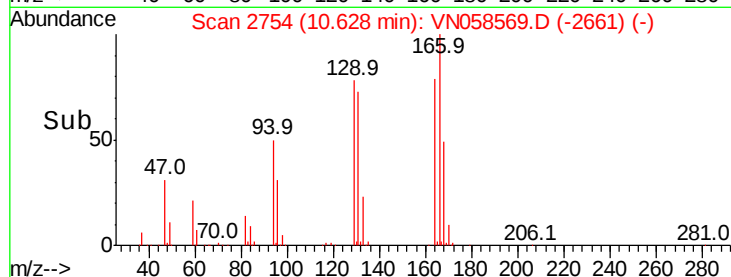
Abundance

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: 1.179 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058569.D

Acq: 7 Oct 2019 16:24

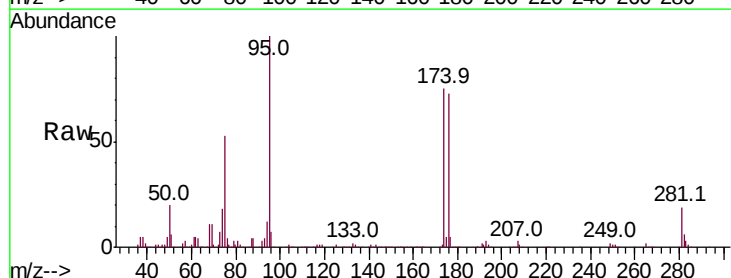
Tgt Ion:173 Resp: 1615

Ion Ratio Lower Upper

173 100

175 1006.9 24.3 73.0#

254 0.0 0.1 0.1#

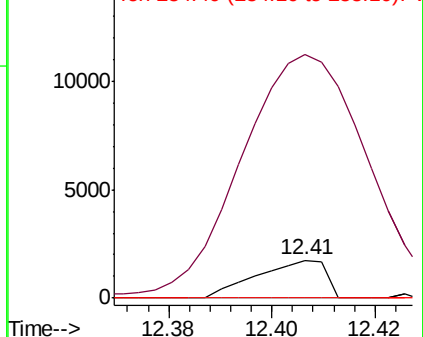
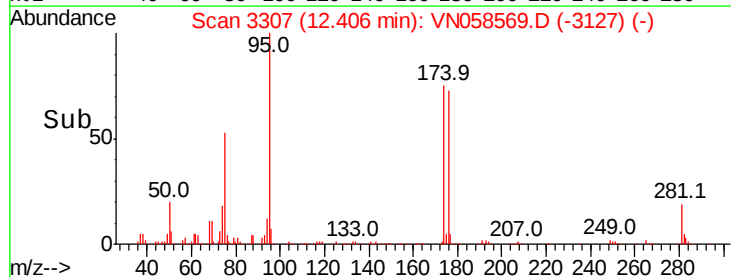


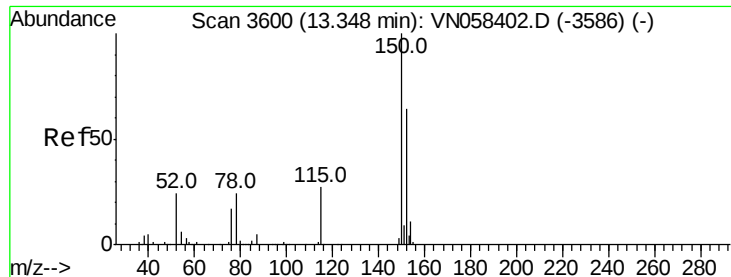
Abundance

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# 3601

Delta R.T. 0.00 min

Lab File: VN058569.D

Acq: 7 Oct 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

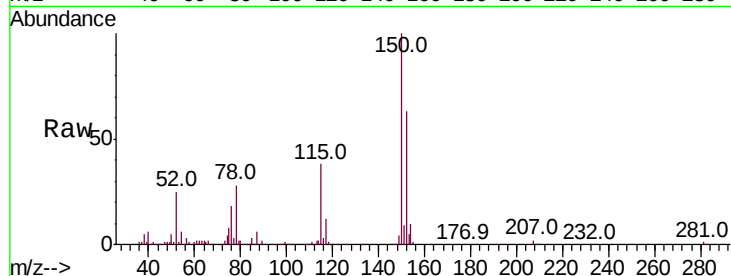
Tot Ion:152 Resp: 289247

Ion Ratio Lower Upper

152 100

115 61.3 30.0 90.0

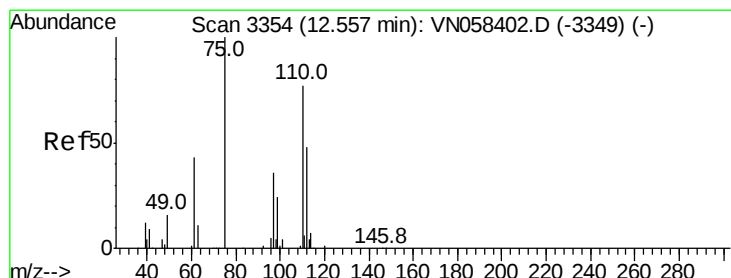
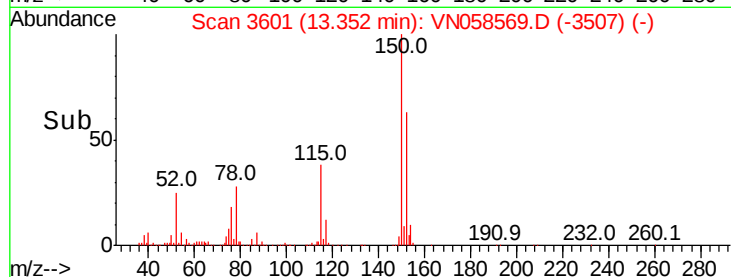
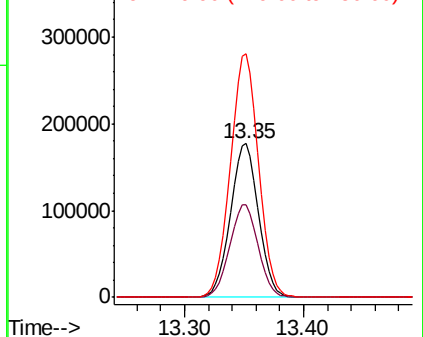
150 158.7 0.0 348.2



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: 34.186 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058569.D

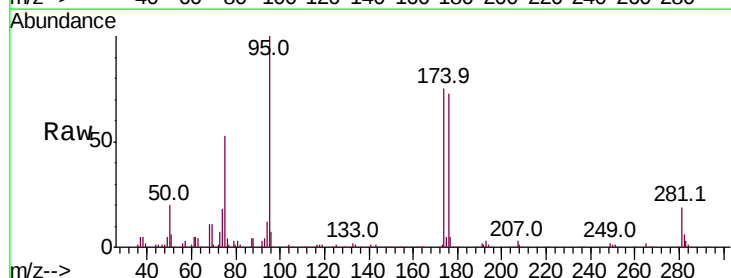
Acq: 7 Oct 2019 16:24

Tgt Ion: 75 Resp: 180609

Ion Ratio Lower Upper

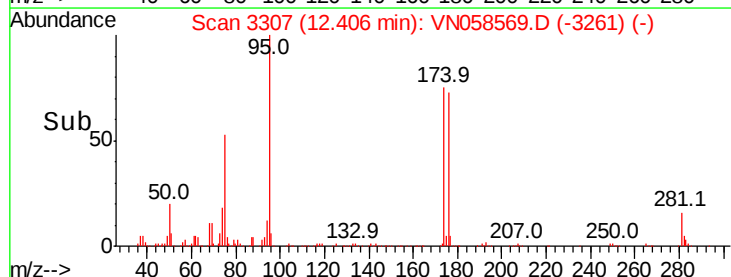
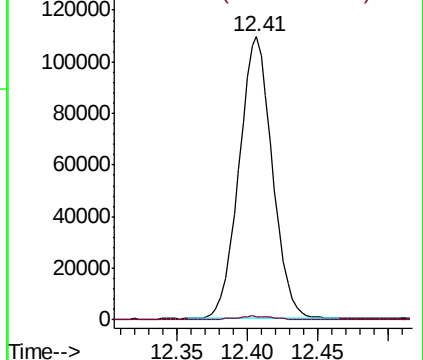
75 100

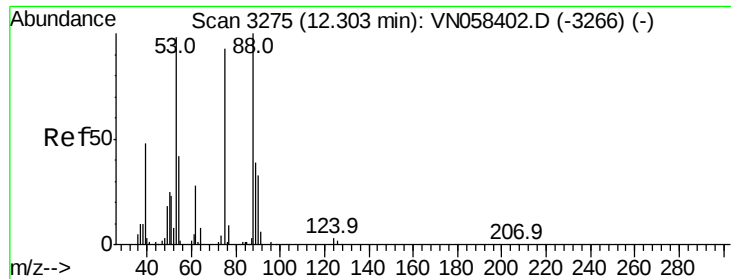
77 1.9 0.0 0.0#



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: 103.827 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058569.D
 Acq: 7 Oct 2019 16:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 180609
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.4 128.0#
 89 0.2 35.0 52.4#

