

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058436.D
 Acq On : 30 Sep 2019 15:33
 Operator : JC/SP
 Sample : K5080-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:32:35 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	413741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	679633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224233	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	304155	50.31	ug/l	0.00
Spiked Amount						
			Recovery	=	100.62%	
35) Dibromofluoromethane	7.57	113	209945	50.40	ug/l	0.00
Spiked Amount						
			Recovery	=	100.80%	
50) Toluene-d8	10.09	98	846257	51.86	ug/l	0.00
Spiked Amount						
			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.41	95	266881	45.23	ug/l	0.00
Spiked Amount						
			Recovery	=	90.46%	

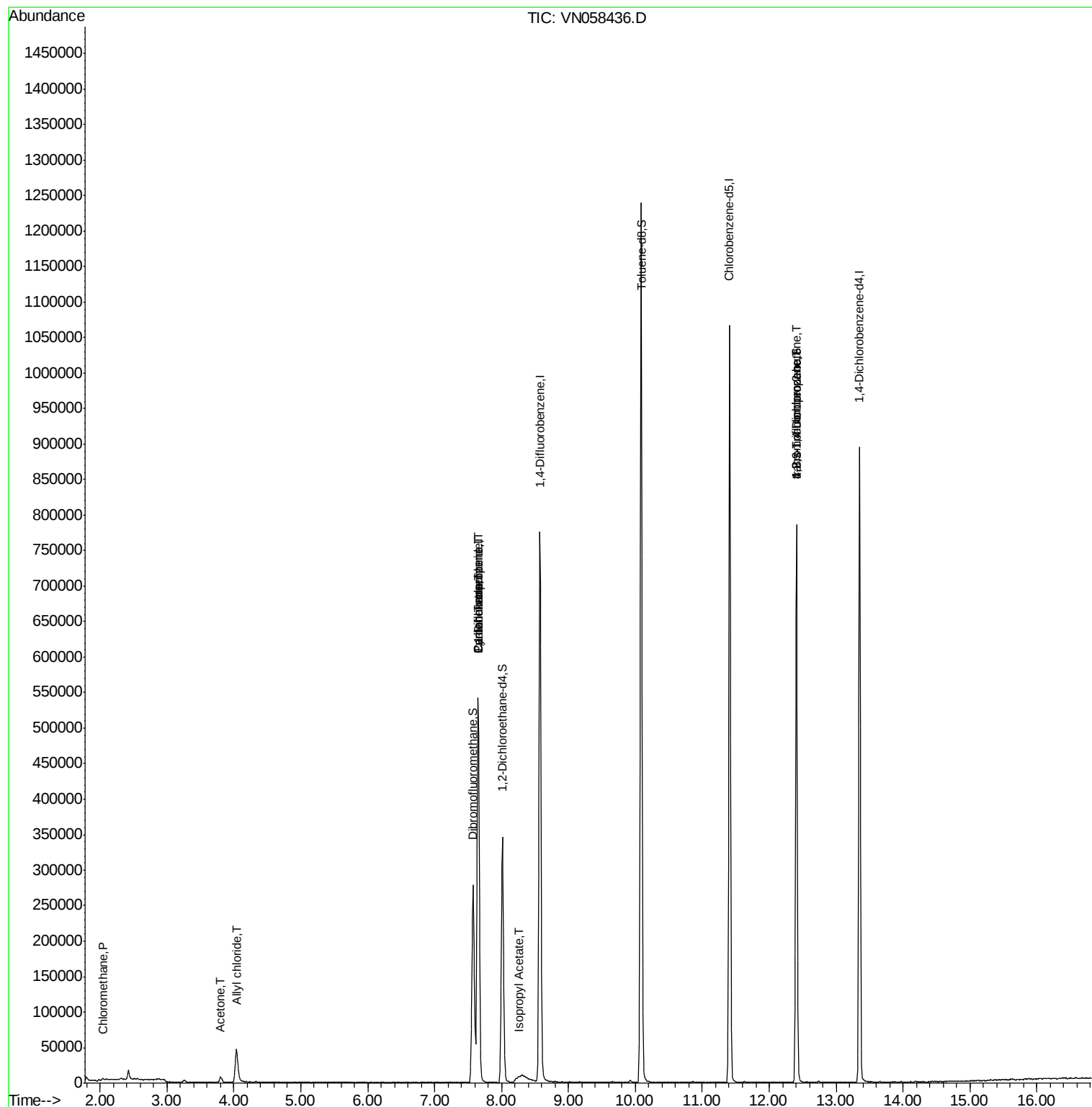
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1361	0.273	ug/l	90
14) Allyl chloride	4.04	41	6585	0.927	ug/l #	77
16) Acetone	3.81	43	13574	6.586	ug/l	97
31) Cyclohexane	7.65	56	10861	1.298	ug/l #	14
36) 1,1-Dichloropropene	7.65	75	36368	5.596	ug/l #	51
38) Carbon Tetrachloride	7.65	117	42313	7.213	ug/l #	16
43) Isopropyl Acetate	8.25	43	7851	0.758	ug/l #	63
76) 1,2,3-Trichloropropane	12.41	75	146654	35.807	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	146654	108.752	ug/l #	7

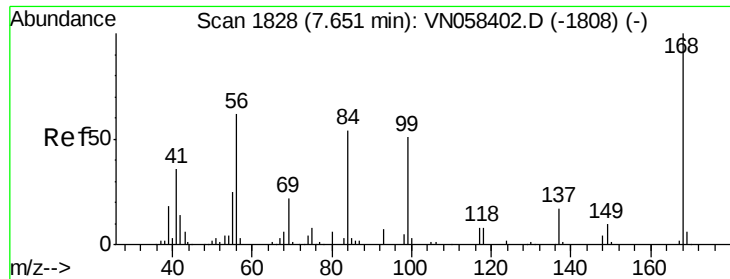
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN058436.D

Acq: 30 Sep 2019 15:33

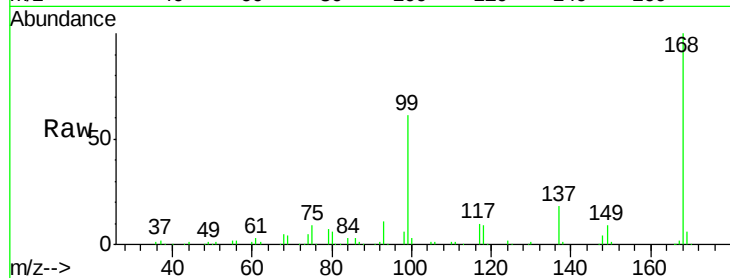
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 413741

Ion Ratio Lower Upper

168 100

99 61.5 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

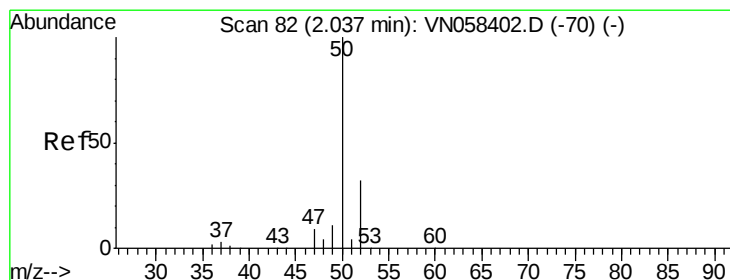
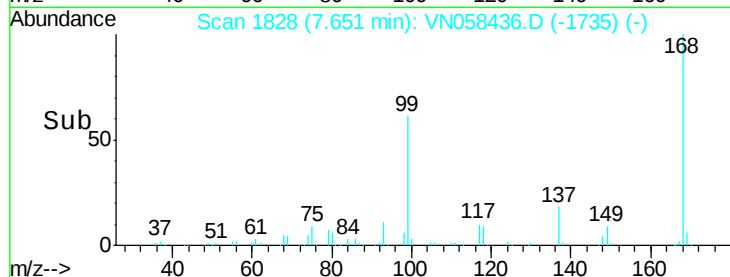
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.273 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058436.D

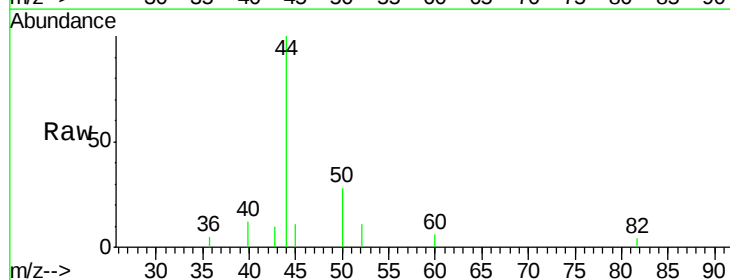
Acq: 30 Sep 2019 15:33

Tgt Ion: 50 Resp: 1361

Ion Ratio Lower Upper

50 100

52 38.3 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

1000

800

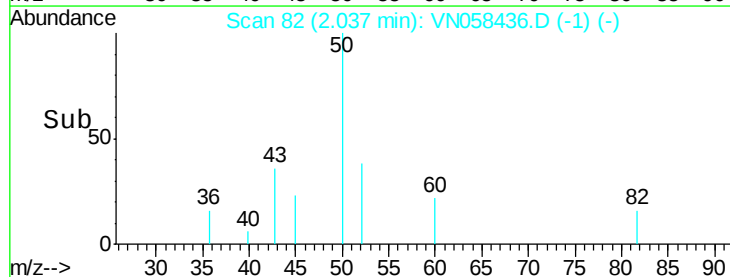
600

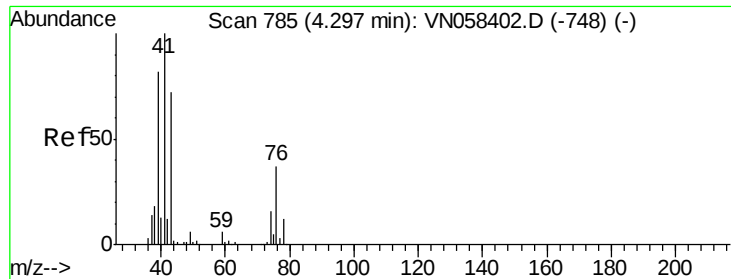
400

200

0

Time-->





#14

Allvl chloride

Concen: 0.927 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.26 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

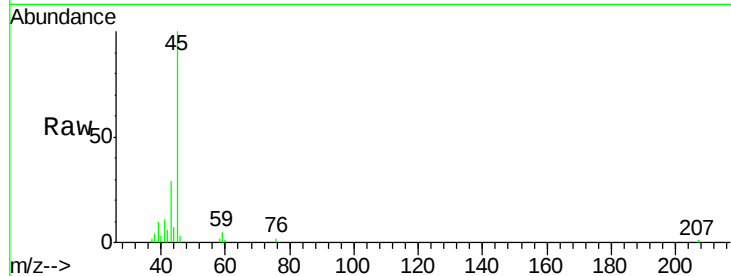
Tot Ion: 41 Resp: 6585

Ion Ratio Lower Upper

41 100

39 96.1 62.3 93.5#

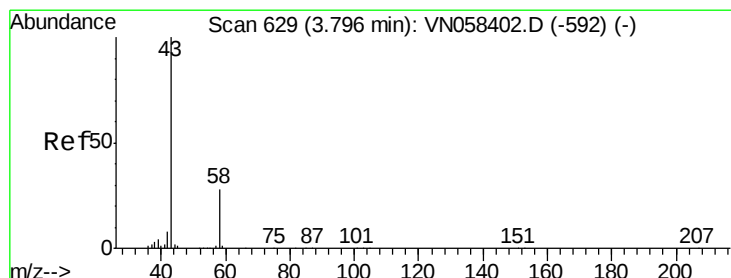
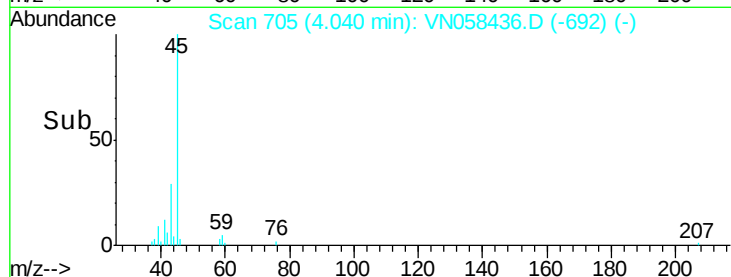
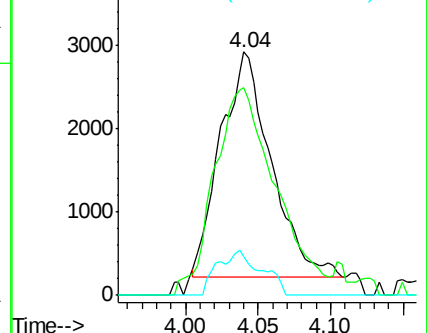
76 17.1 26.9 40.3#



Abundance Ion 41.00 (40.70 to 41.70): VN058436.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN058436.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN058436.D (-692) (-)



#16

Acetone

Concen: 6.586 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058436.D

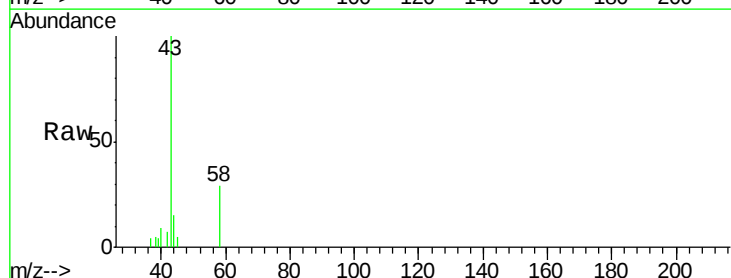
Acq: 30 Sep 2019 15:33

Tgt Ion: 43 Resp: 13574

Ion Ratio Lower Upper

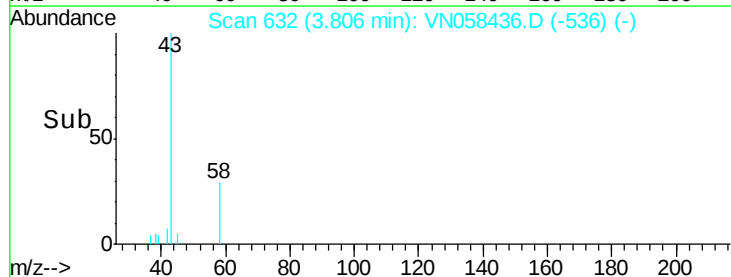
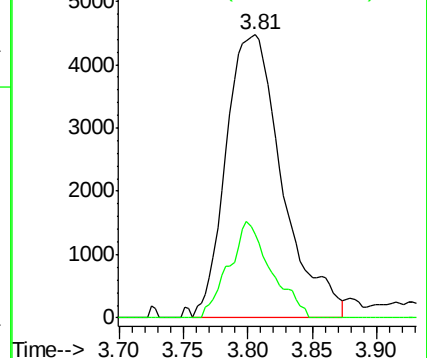
43 100

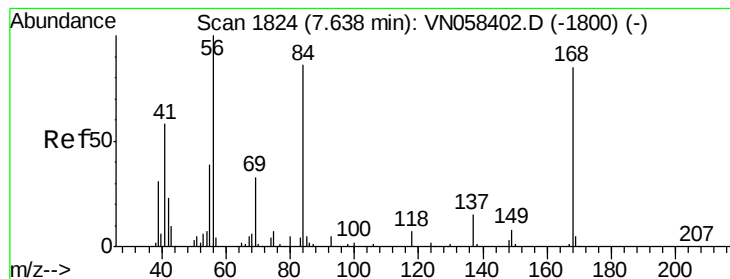
58 29.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058436.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN058436.D (-536) (-)





#31

Cyclohexane

Concen: 1.298 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampled :

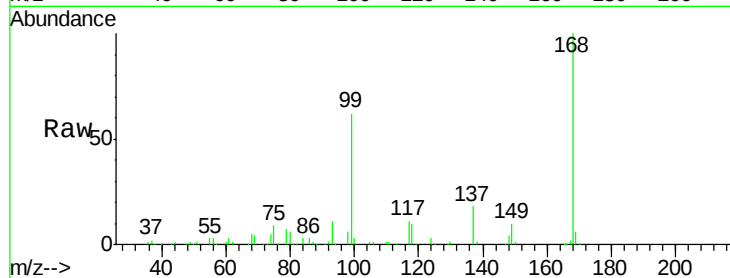
Tot Ion: 56 Resp: 10861

Ion Ratio Lower Upper

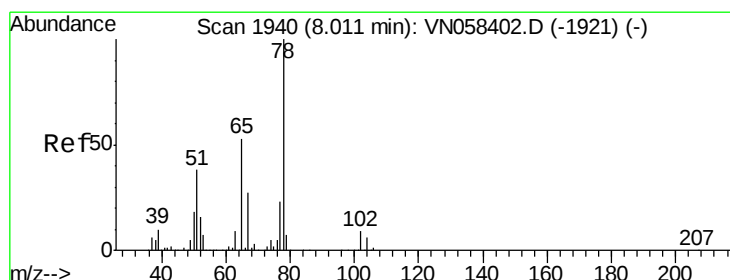
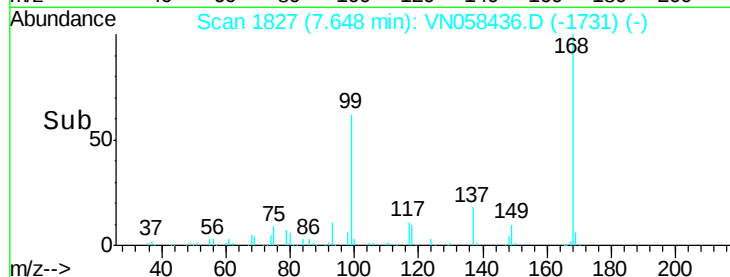
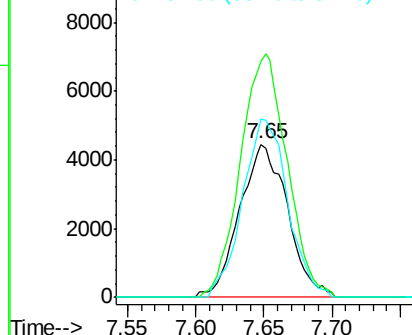
56 100

69 154.1 26.2 39.4#

84 116.7 67.6 101.4#



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: 50.306 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058436.D

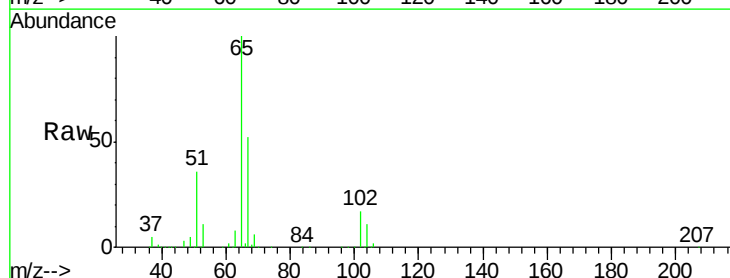
Acq: 30 Sep 2019 15:33

Tgt Ion: 65 Resp: 304155

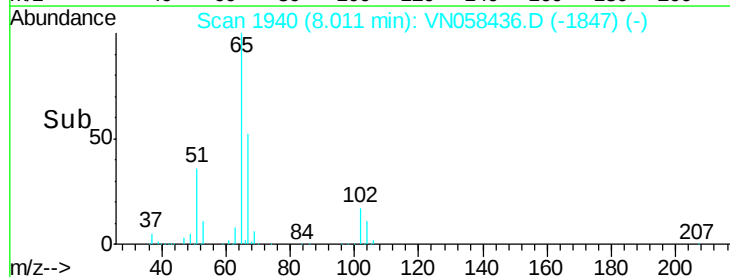
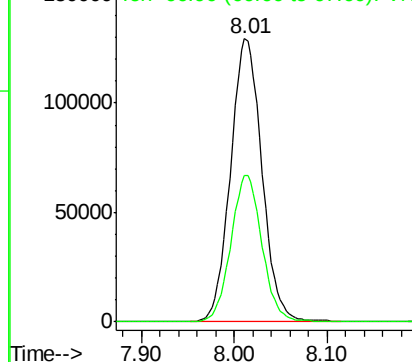
Ion Ratio Lower Upper

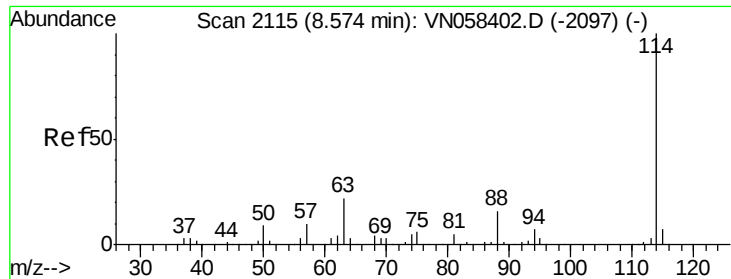
65 100

67 51.0 0.0 102.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

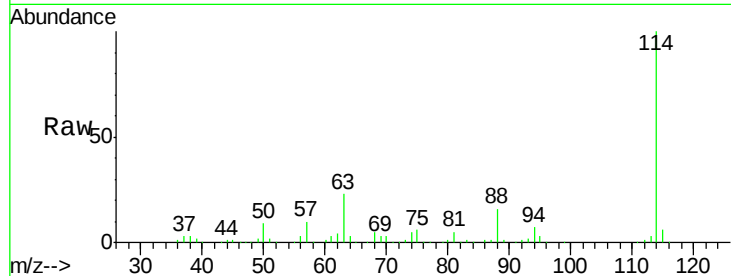
Tot Ion:114 Resp: 679633

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

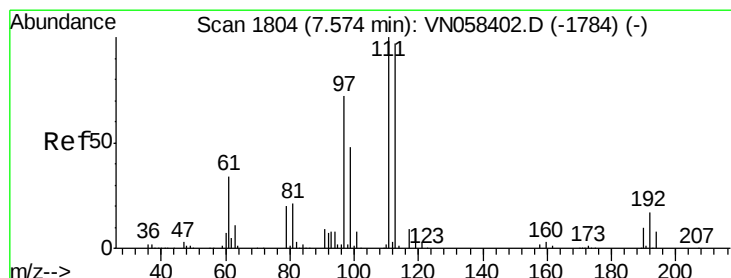
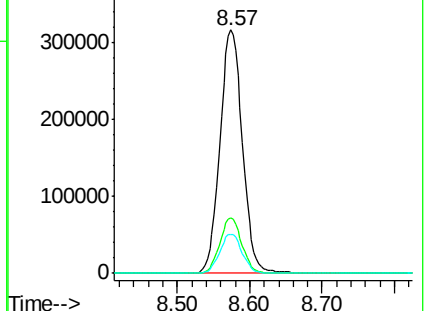
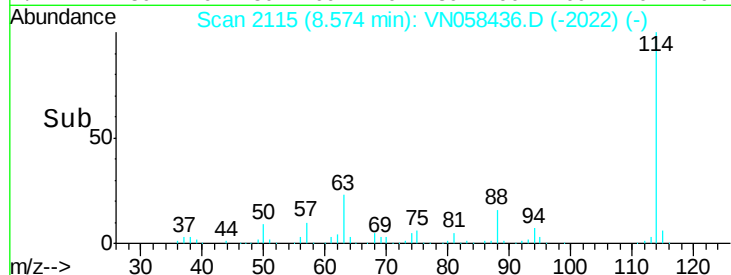
88 16.1 0.0 32.2



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: 50.402 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

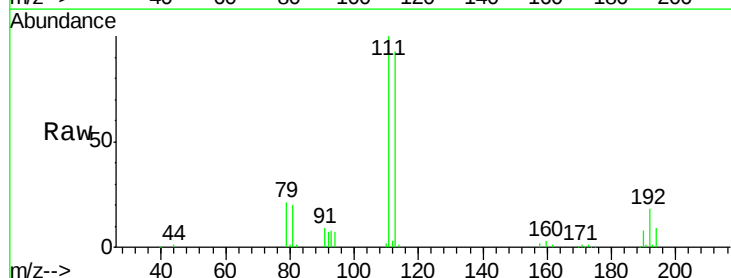
Tgt Ion:113 Resp: 209945

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

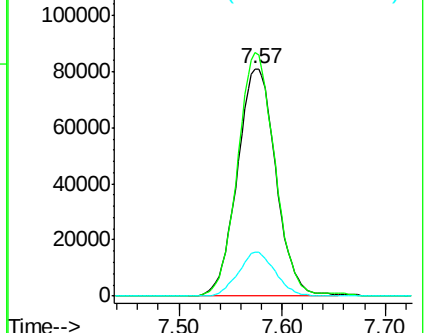
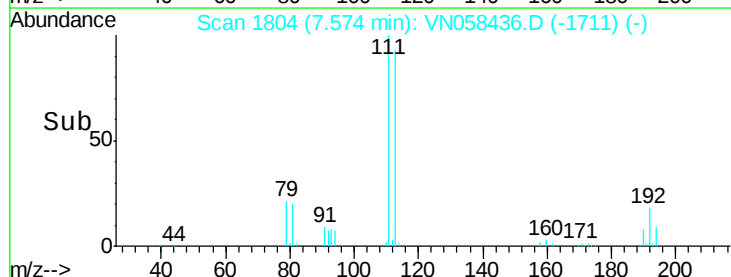
192 18.5 14.9 22.3

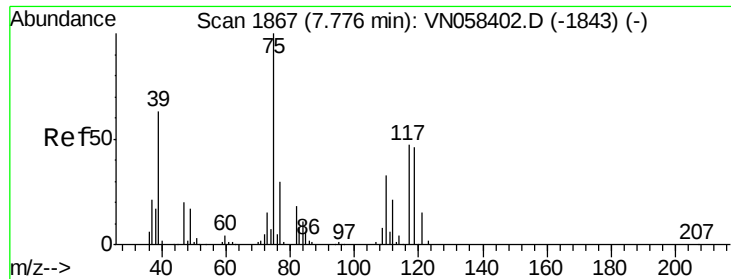


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

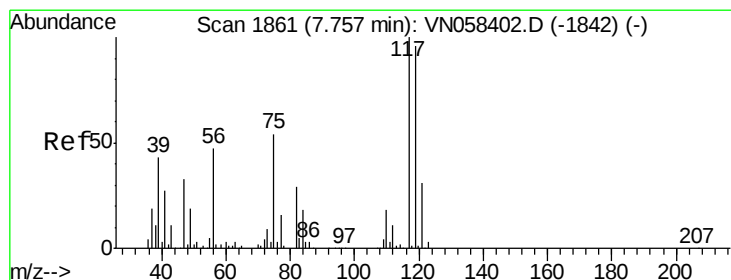
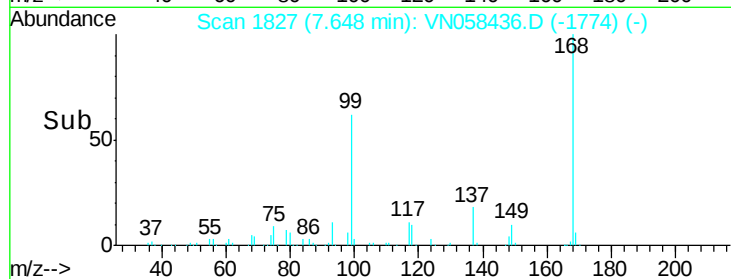
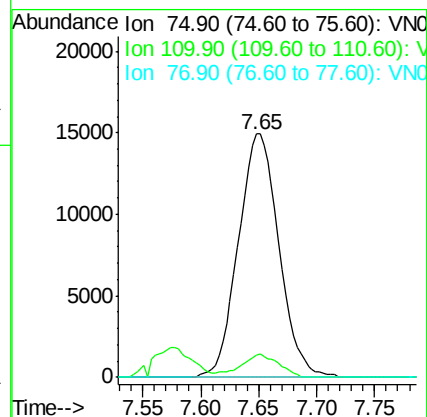
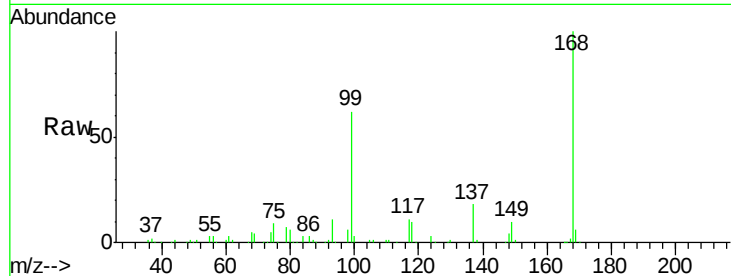




#36
 1,1-Dichloropropene
 Concen: 5.596 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058436.D
 Acq: 30 Sep 2019 15:33

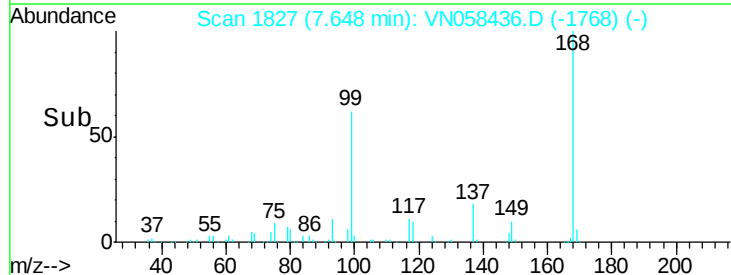
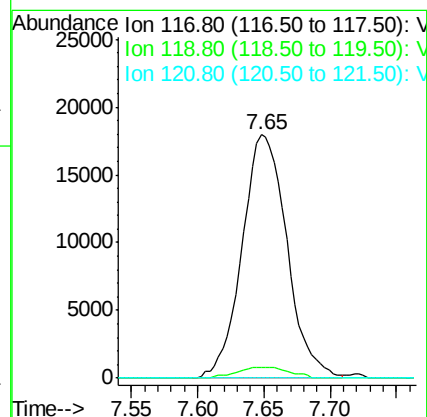
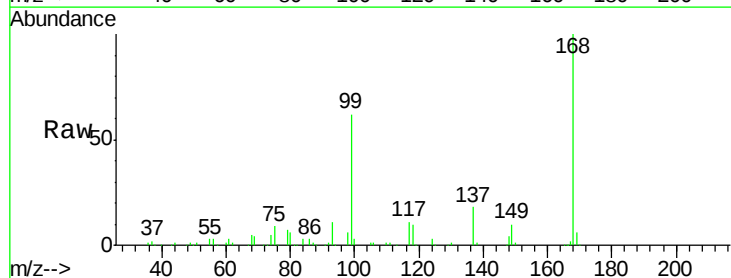
Instrument :
 MSVOA_N
 ClientSampleId :

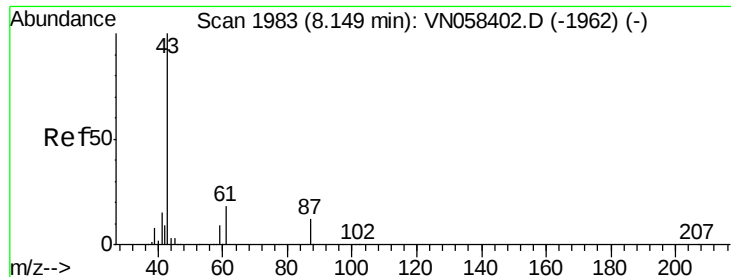
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.213 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058436.D
 Acq: 30 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.6	115.0#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.758 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.10 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

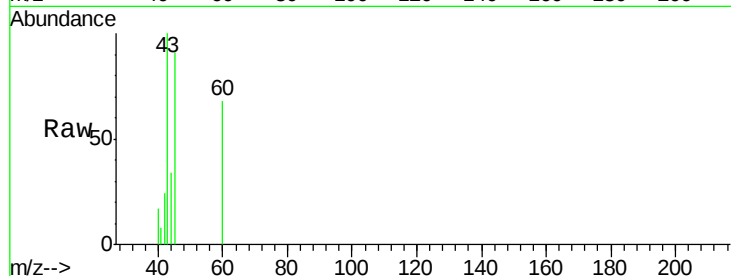
Tot Ion: 43 Resp: 7851

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

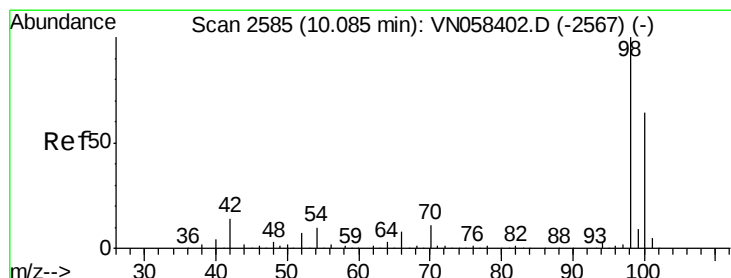
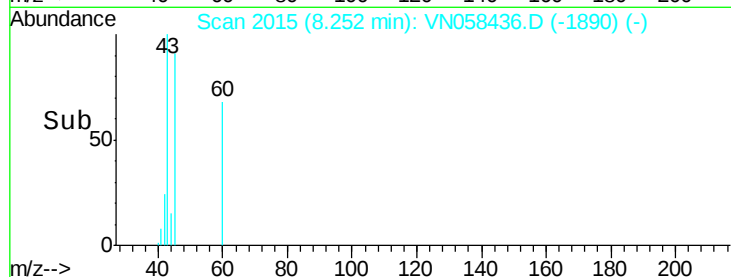
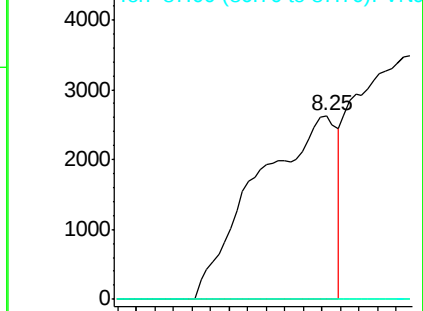
87 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.862 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058436.D

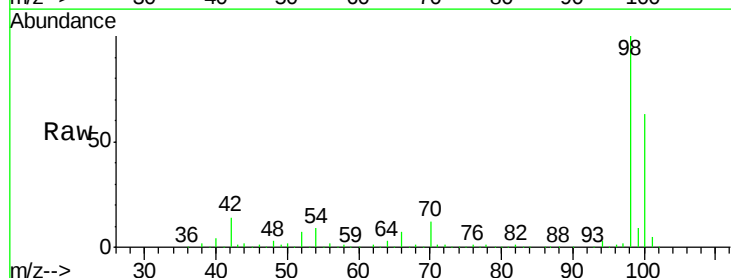
Acq: 30 Sep 2019 15:33

Tgt Ion: 98 Resp: 846257

Ion Ratio Lower Upper

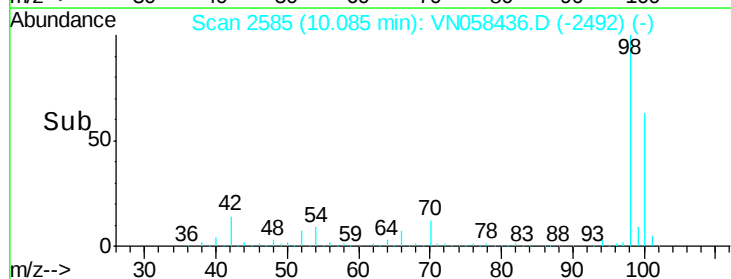
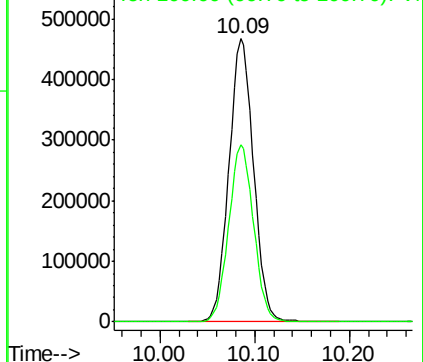
98 100

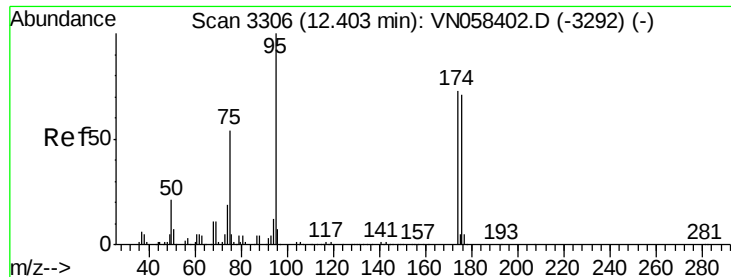
100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.233 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

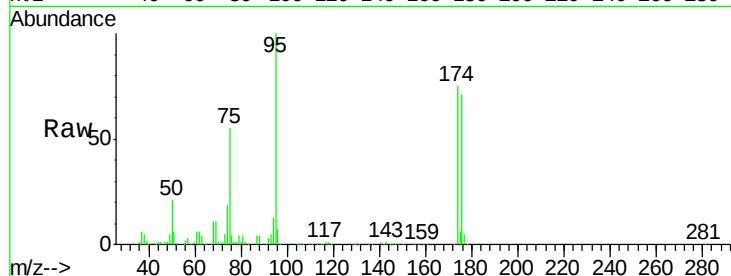
Tot Ion: 95 Resp: 266881

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.6

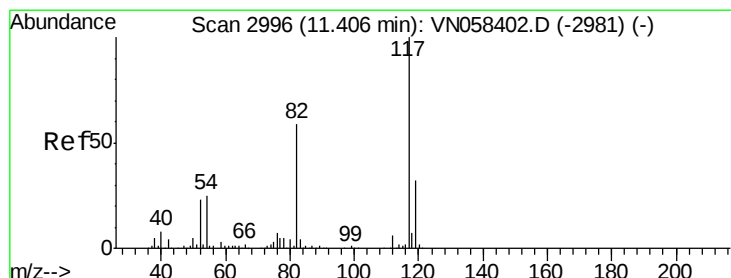
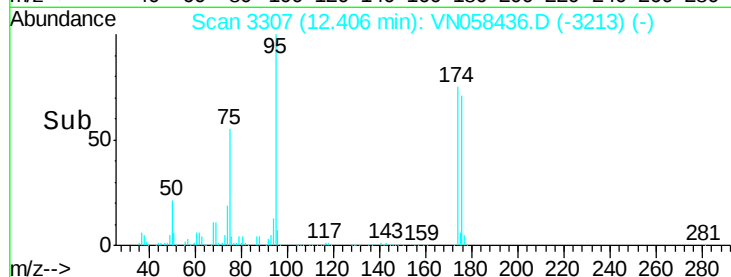
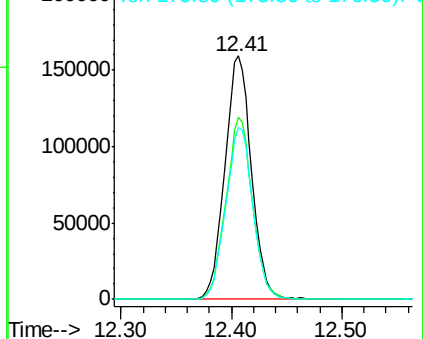
176 71.8 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

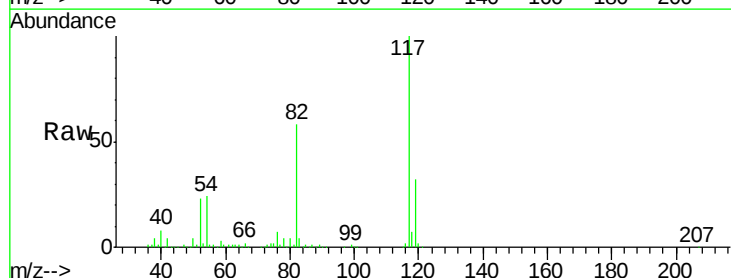
Tgt Ion: 117 Resp: 578346

Ion Ratio Lower Upper

117 100

82 57.6 47.4 71.0

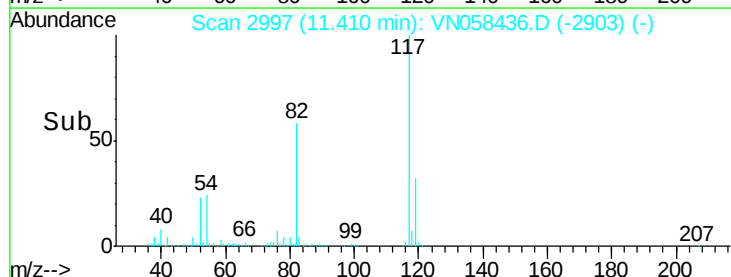
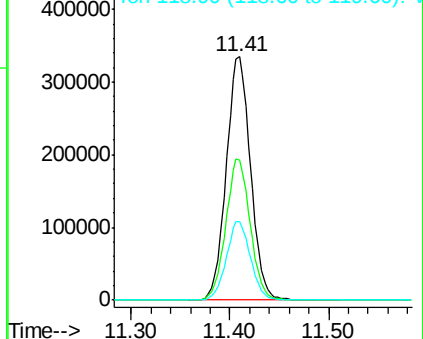
119 32.1 25.5 38.3

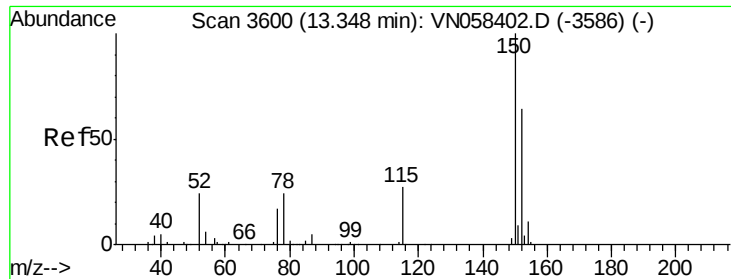


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampled :

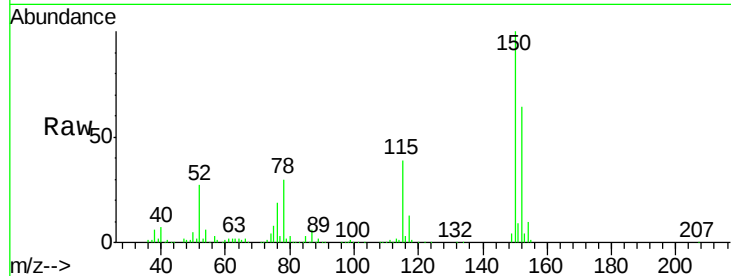
Tot Ion:152 Resp: 224233

Ion Ratio Lower Upper

152 100

115 61.4 30.0 90.0

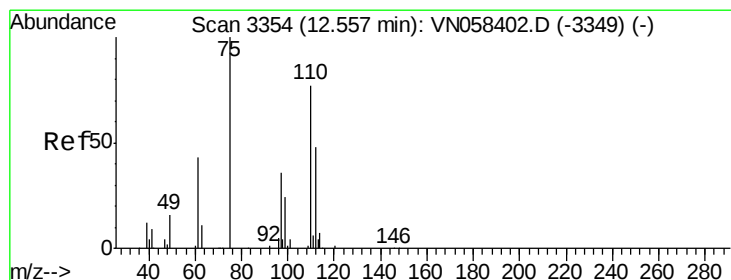
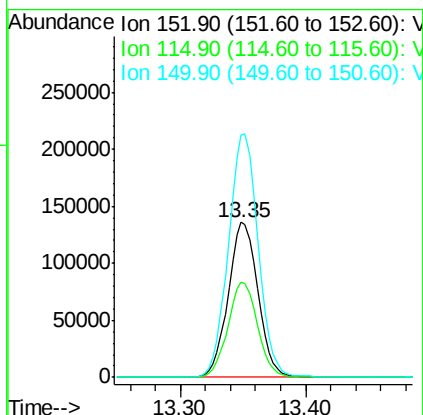
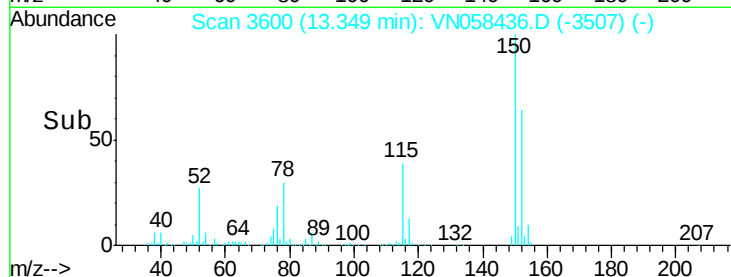
150 156.3 0.0 348.2



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: 35.807 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058436.D

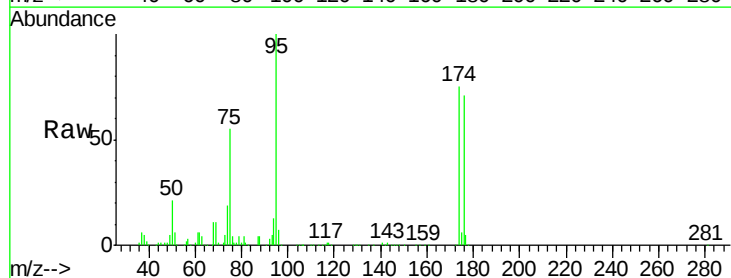
Acq: 30 Sep 2019 15:33

Tgt Ion: 75 Resp: 146654

Ion Ratio Lower Upper

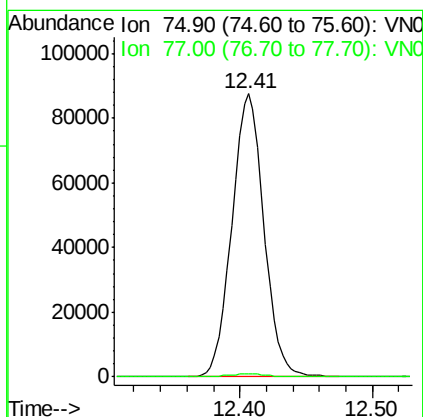
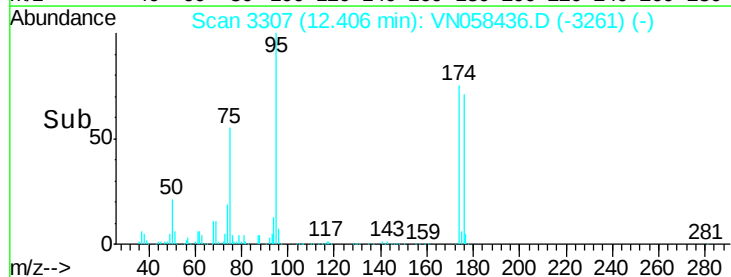
75 100

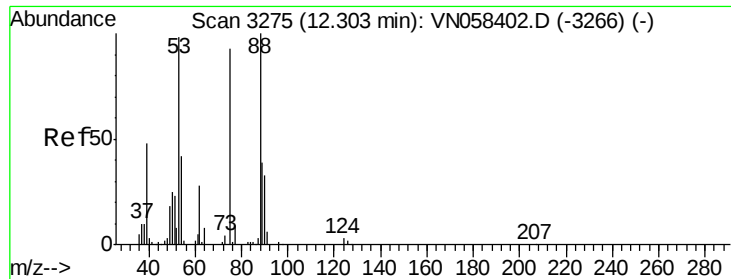
77 1.1 0.0 0.0#



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: 108.752 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058436.D

Acq: 30 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

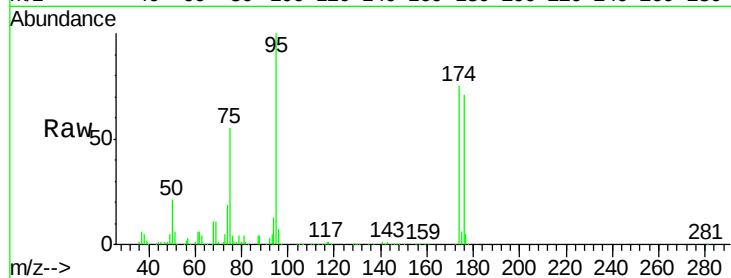
Tot Ion: 75 Resp: 146654

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

