

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058423.D
 Acq On : 30 Sep 2019 10:46
 Operator : JC/SP
 Sample : K5080-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20190924

Quant Time: Oct 01 01:29:18 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	447951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	722725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	614050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242329	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	319147	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	7.57	113	226032	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.08	98	899102	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.41	95	293236	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

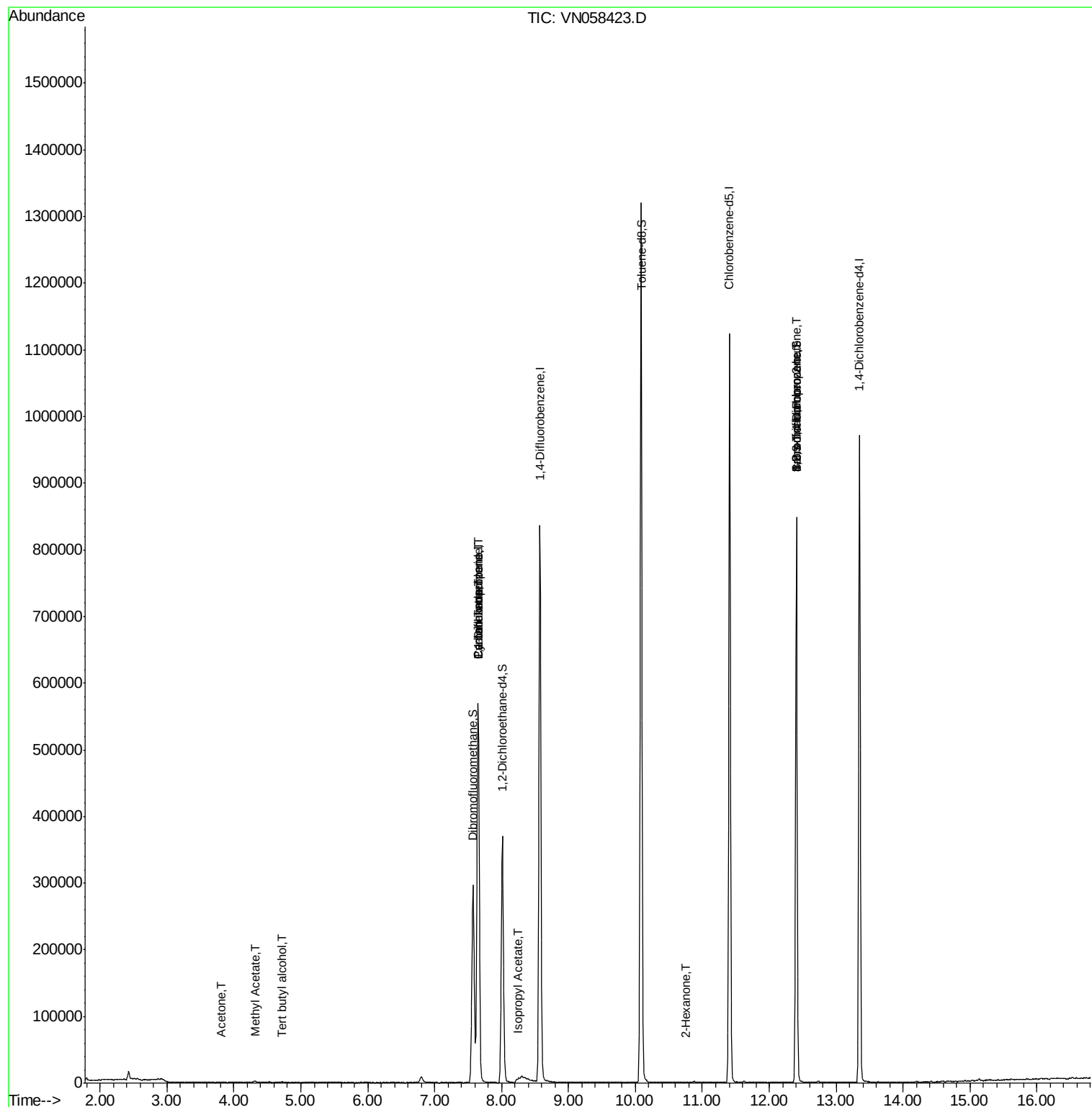
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	1338	1.840	ug/l #	71
16) Acetone	3.80	43	634	0.284	ug/l #	47
18) Methyl Acetate	4.32	43	4509	0.803	ug/l #	77
31) Cyclohexane	7.65	56	11607	1.281	ug/l #	24
36) 1,1-Dichloropropene	7.65	75	38664	5.595	ug/l #	51
38) Carbon Tetrachloride	7.65	117	45583	7.307	ug/l #	16
43) Isopropyl Acetate	8.26	43	7547	0.685	ug/l #	63
59) 2-Hexanone	10.76	43	904	0.219	ug/l #	26
71) Bromoform	12.40	173	645	0.919	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	160828	36.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	160828	110.356	ug/l #	7

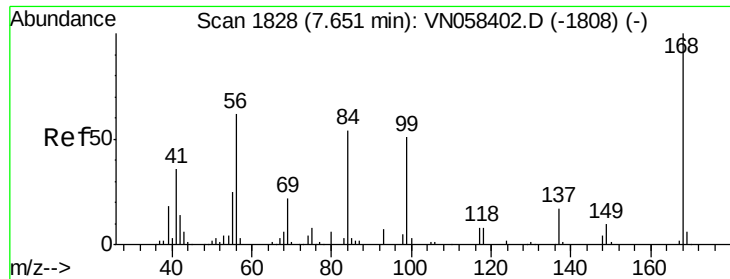
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058423.D

Acq: 30 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

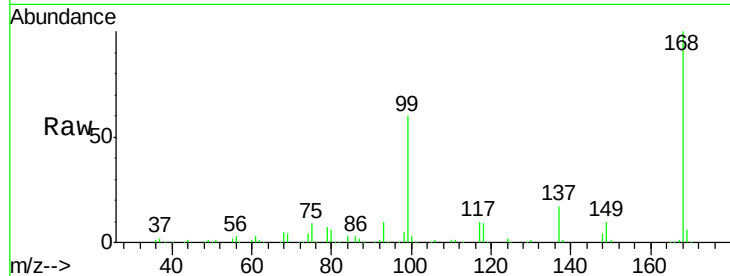
TB01-20190924

Tot Ion:168 Resp: 447951

Ion Ratio Lower Upper

168 100

99 59.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

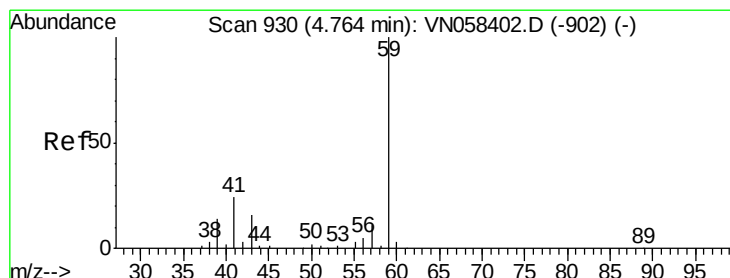
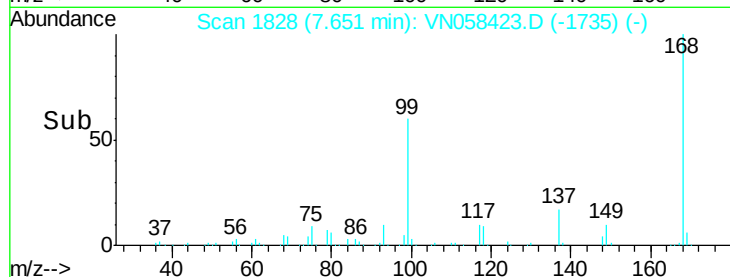
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 1.840 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.04 min

Lab File: VN058423.D

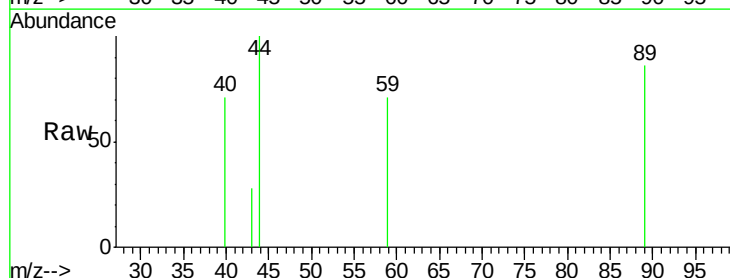
Acq: 30 Sep 2019 10:46

Tgt Ion: 59 Resp: 1338

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

500

400

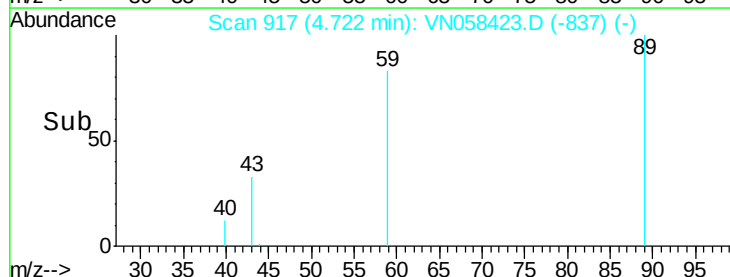
300

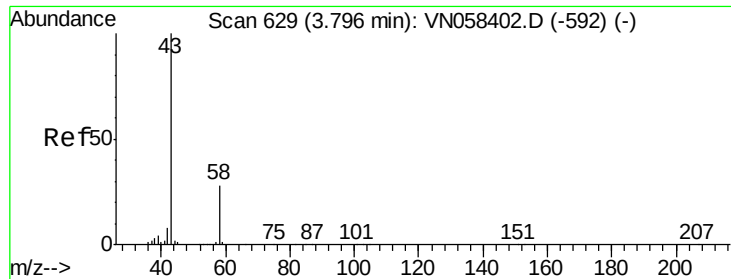
200

100

0

Time--> 4.70 4.75 4.80

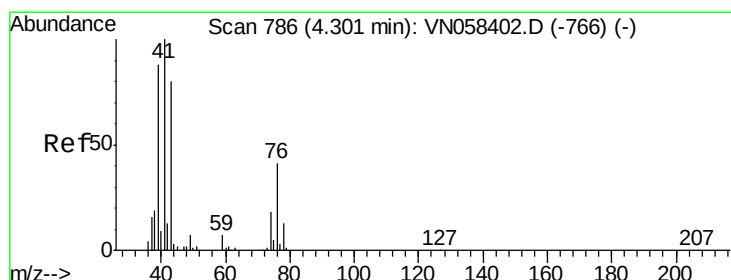
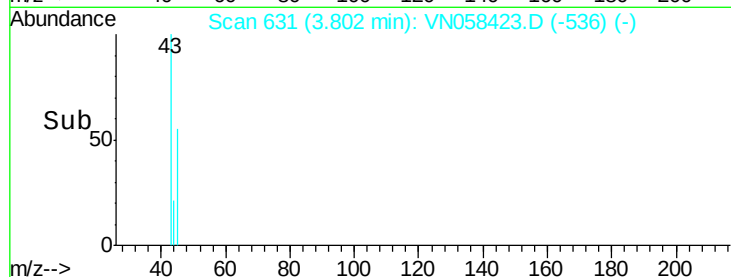
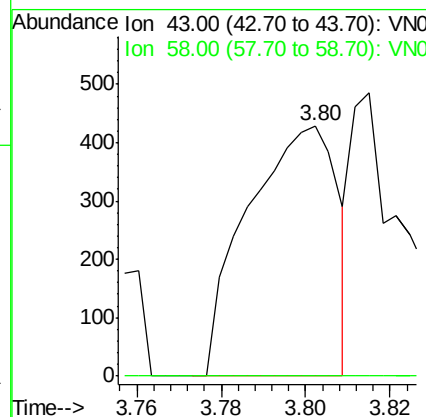
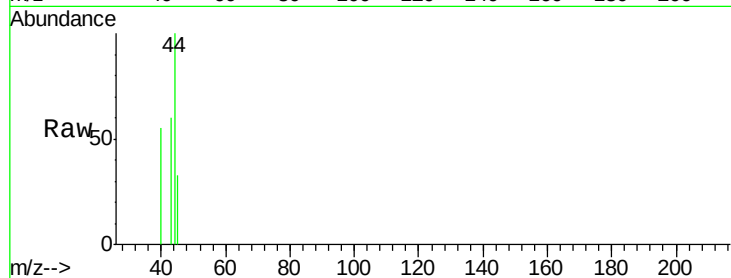




#16
Acetone
Concen: 0.284 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058423.D
Acq: 30 Sep 2019 10:46

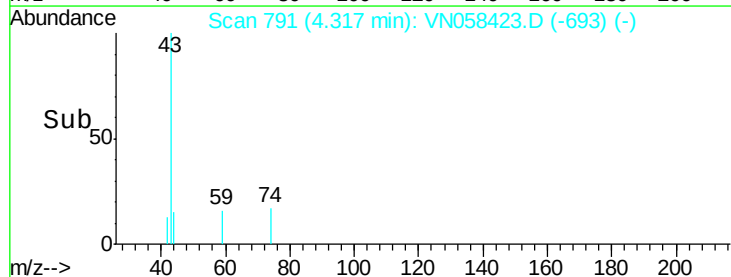
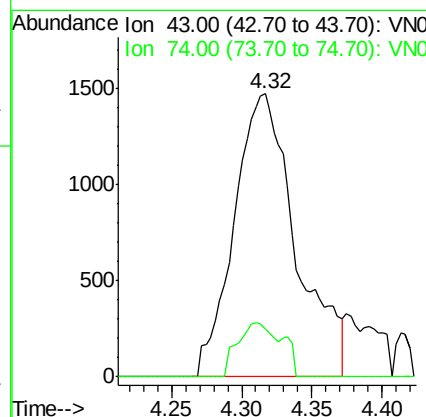
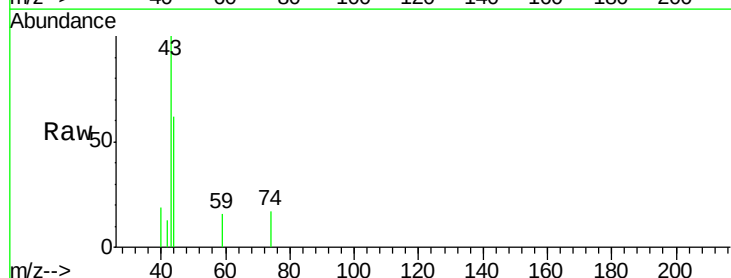
Instrument :
MSVOA_N
ClientSampleId :
TB01-20190924

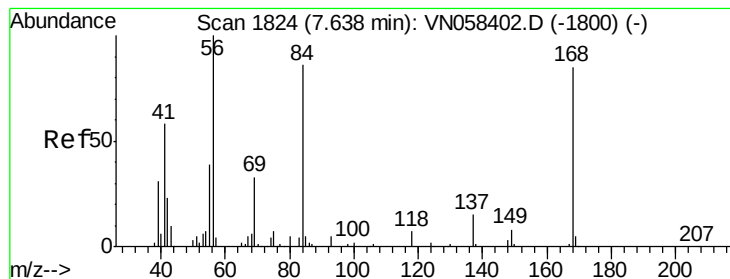
Tot Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#



#18
Methyl Acetate
Concen: 0.803 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VN058423.D
Acq: 30 Sep 2019 10:46

Tgt Ion: 43 Resp: 4509
Ion Ratio Lower Upper
43 100
74 11.3 18.0 27.0#





#31

Cyclohexane

Concen: 1.281 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN058423.D

Acq: 30 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

TB01-20190924

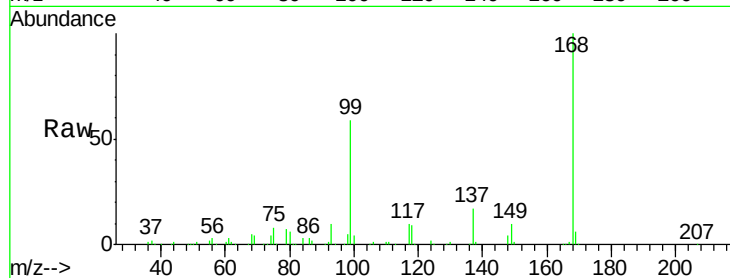
Tot Ion: 56 Resp: 11607

Ion Ratio Lower Upper

56 100

69 138.1 26.2 39.4#

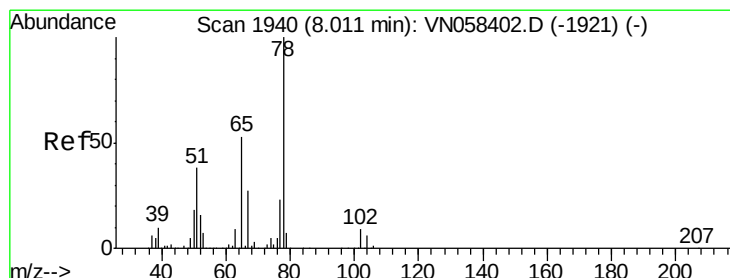
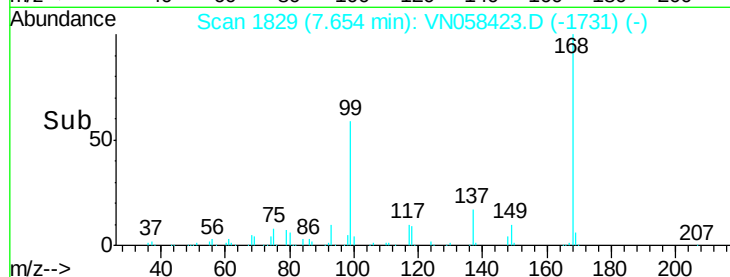
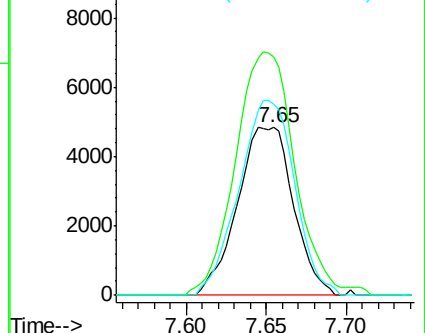
84 114.1 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.754 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058423.D

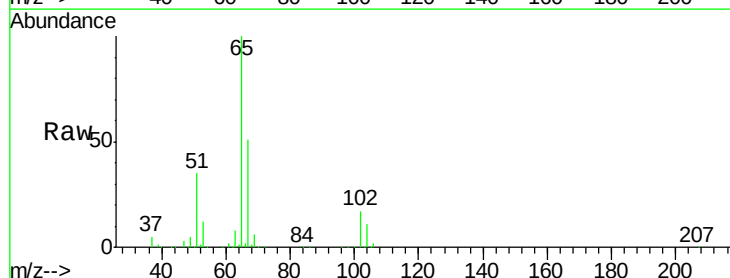
Acq: 30 Sep 2019 10:46

Tgt Ion: 65 Resp: 319147

Ion Ratio Lower Upper

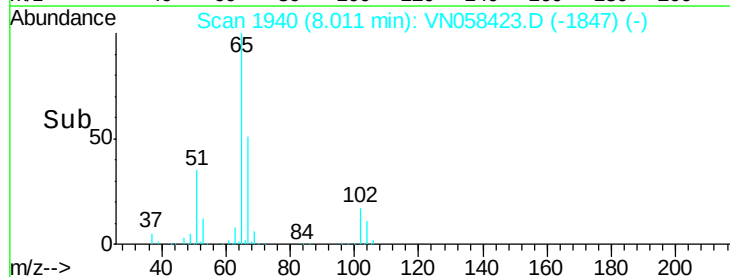
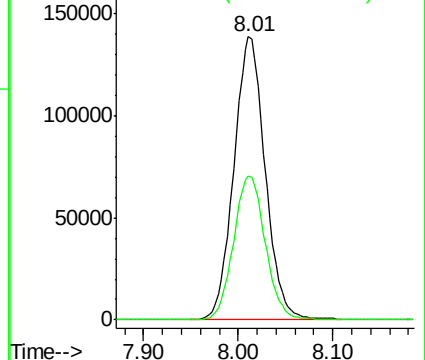
65 100

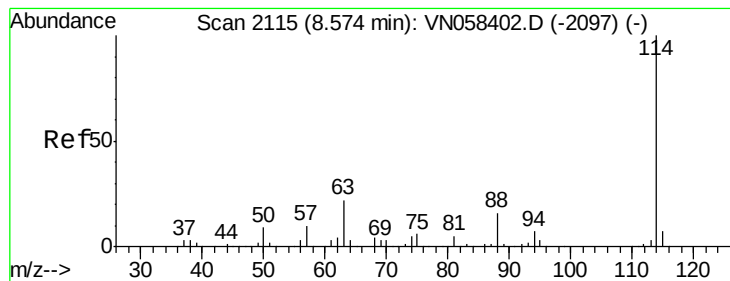
67 51.6 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058423.D

Acq: 30 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

TB01-20190924

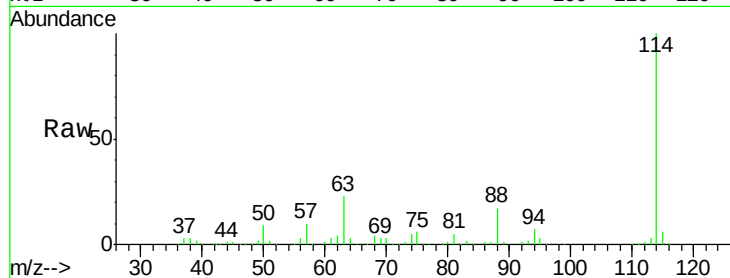
Tot Ion:114 Resp: 722725

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

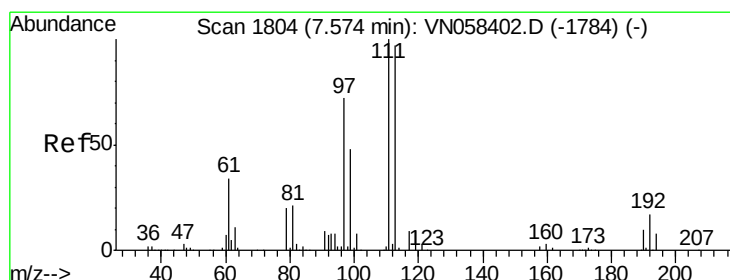
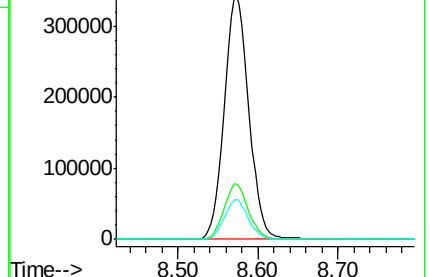
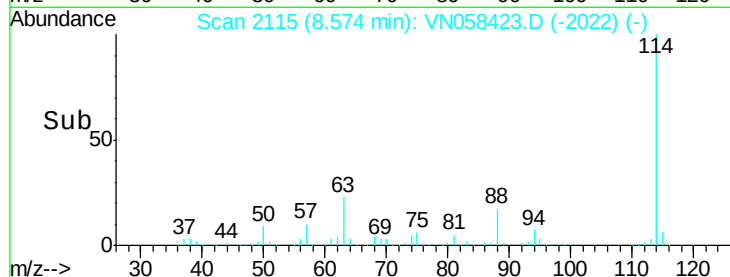
88 16.6 0.0 32.2



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: 51.029 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058423.D

Acq: 30 Sep 2019 10:46

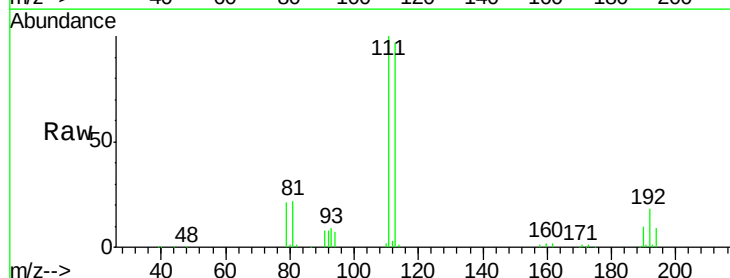
Tgt Ion:113 Resp: 226032

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

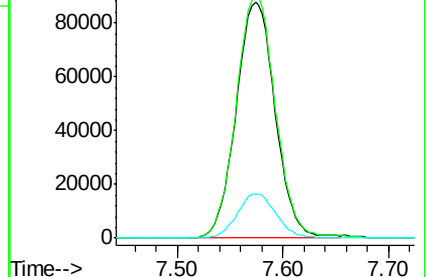
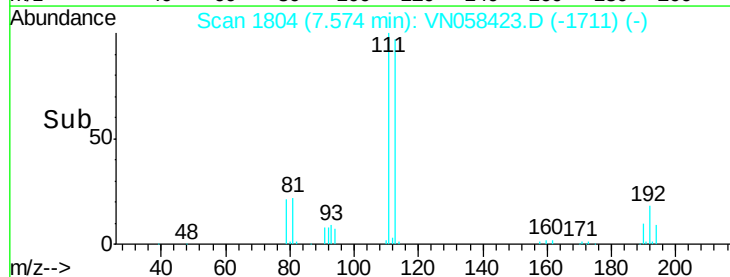
192 18.7 14.9 22.3

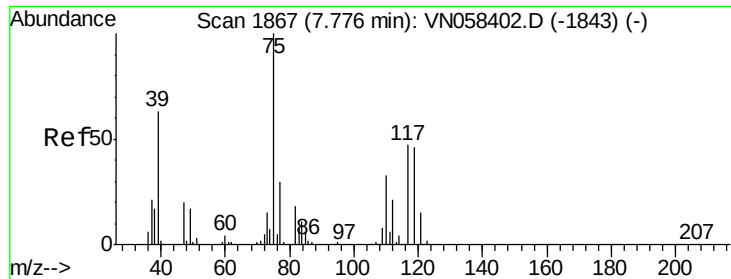


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

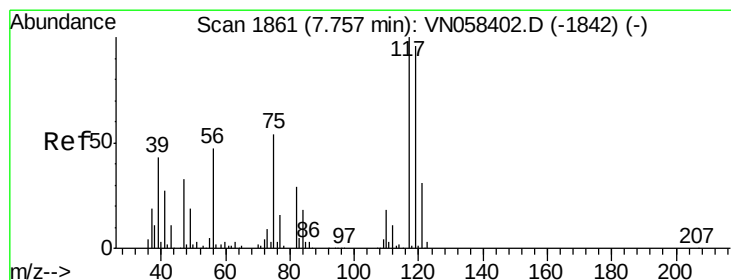
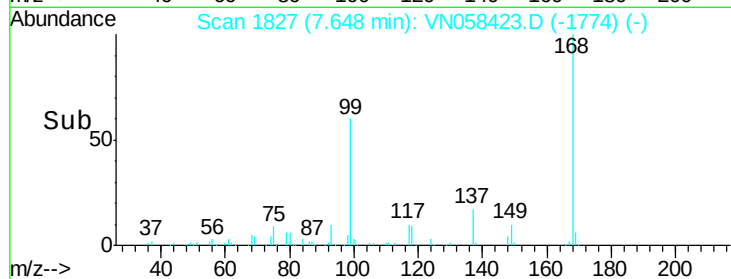
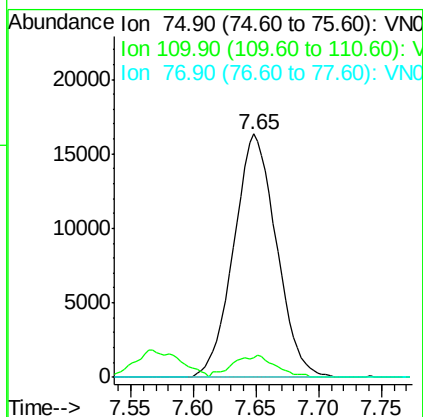
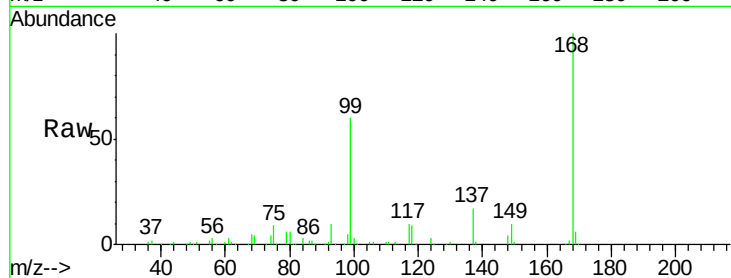




#36
 1,1-Dichloropropene
 Concen: 5.595 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058423.D
 Acq: 30 Sep 2019 10:46

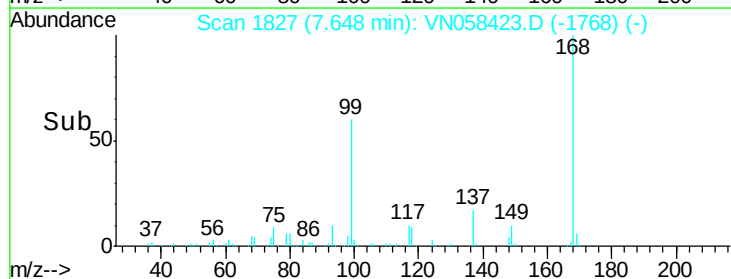
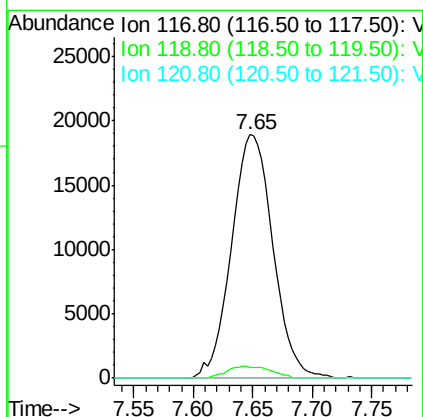
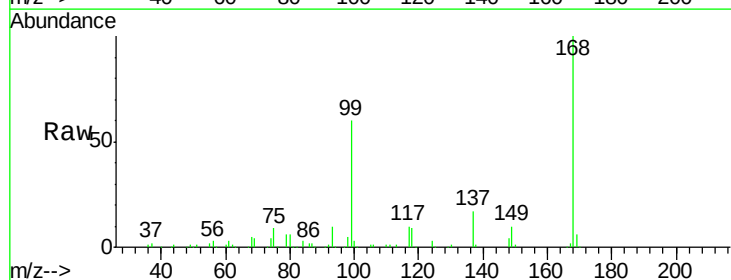
Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20190924

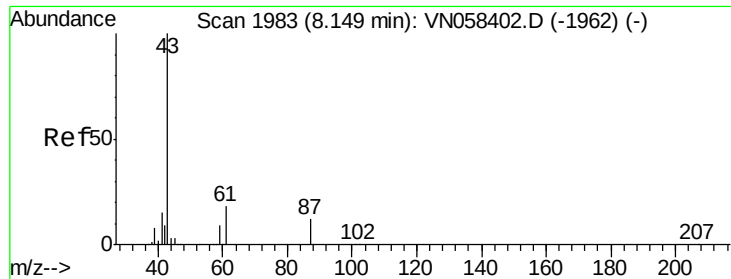
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.307 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058423.D
 Acq: 30 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.6	115.0#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.685 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.11 min

Lab File: VN058423.D

Acq: 30 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

TB01-20190924

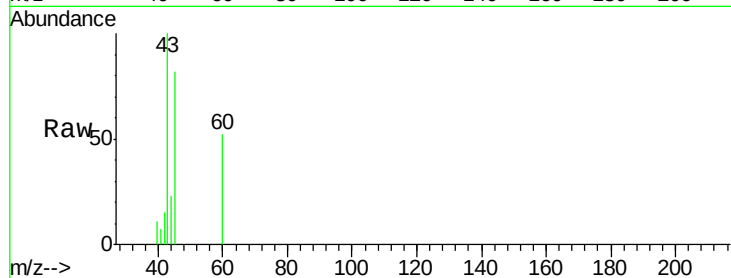
Tot Ion: 43 Resp: 7547

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

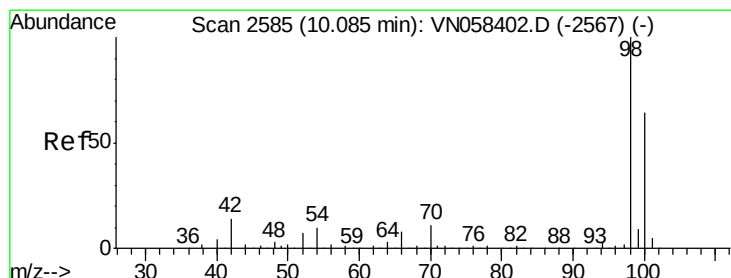
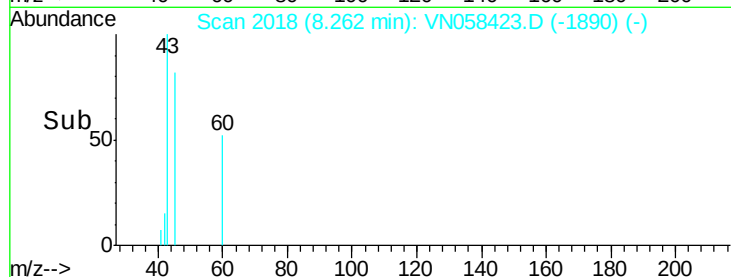
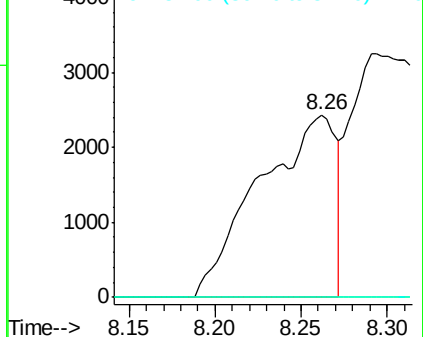
87 0.0 9.7 14.5#



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: 51.815 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058423.D

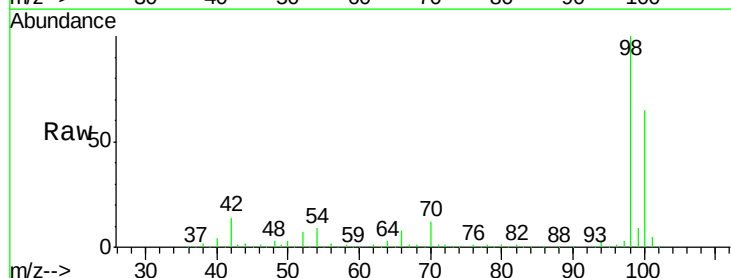
Acq: 30 Sep 2019 10:46

Tgt Ion: 98 Resp: 899102

Ion Ratio Lower Upper

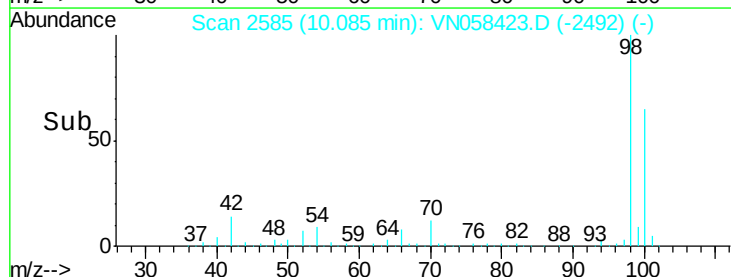
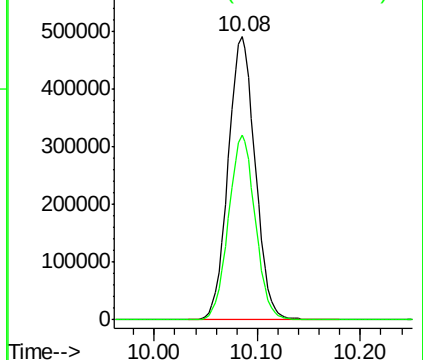
98 100

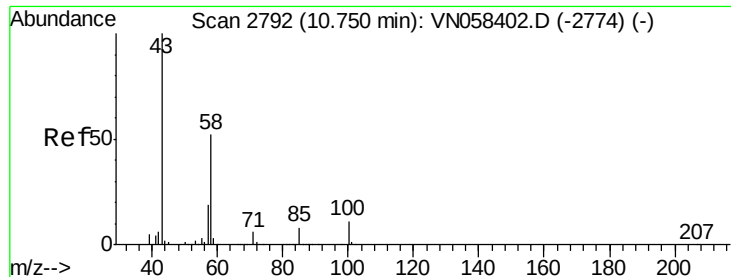
100 64.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 0.219 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058423.D

Acq: 30 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

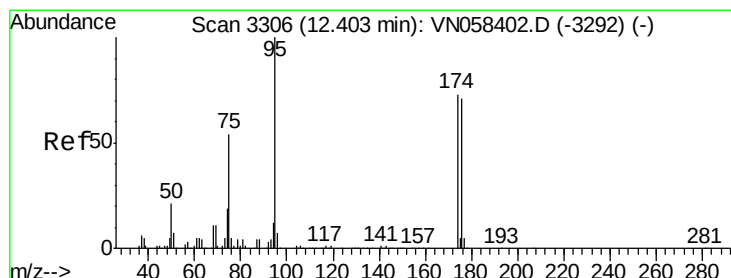
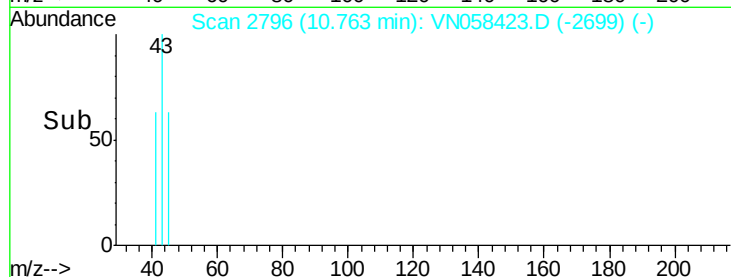
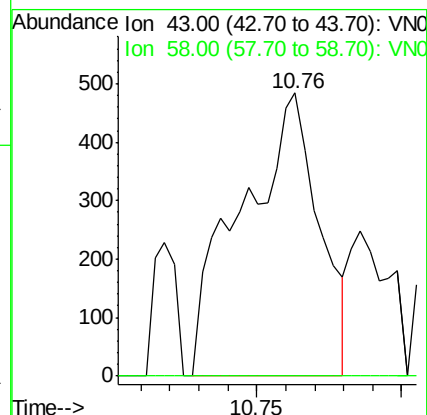
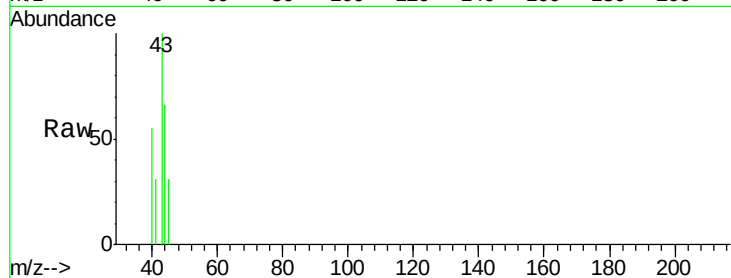
TB01-20190924

Tot Ion: 43 Resp: 904

Ion Ratio Lower Upper

43 100

58 0.0 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 46.736 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058423.D

Acq: 30 Sep 2019 10:46

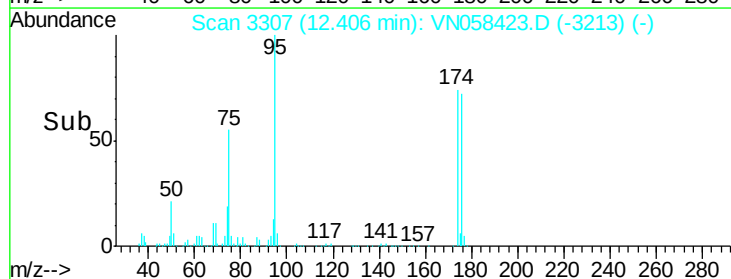
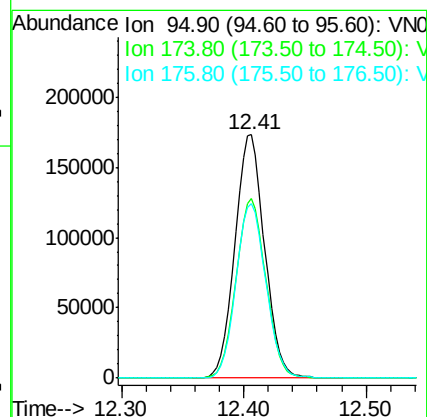
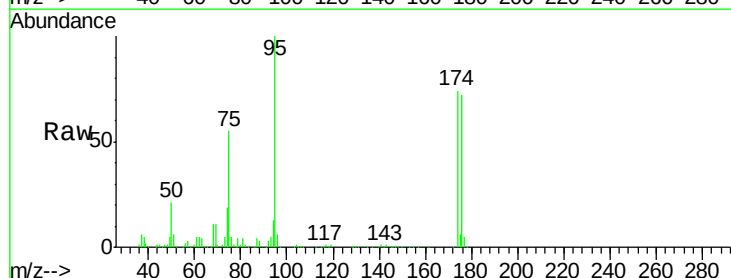
Tgt Ion: 95 Resp: 293236

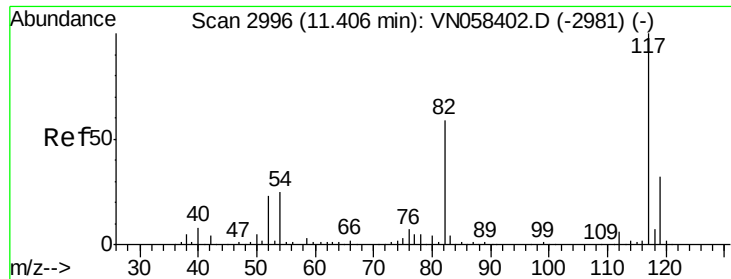
Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.6

176 72.2 0.0 146.2

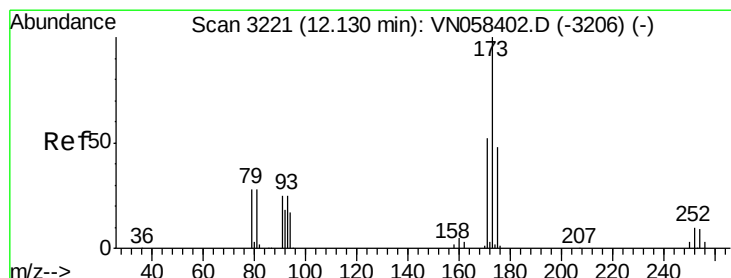
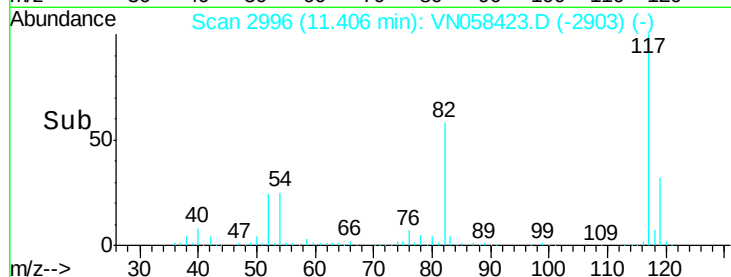
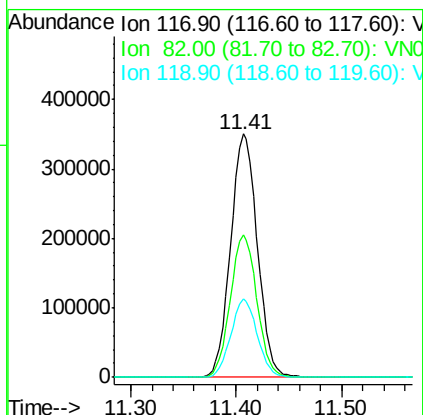
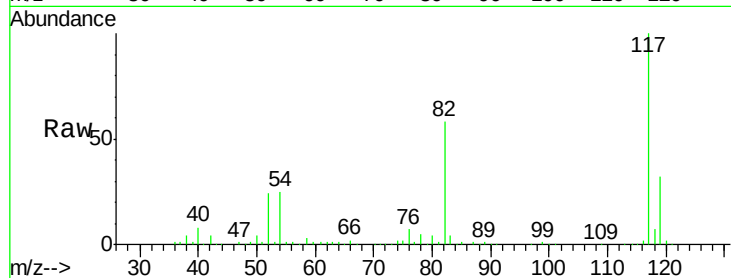




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058423.D
Acq: 30 Sep 2019 10:46

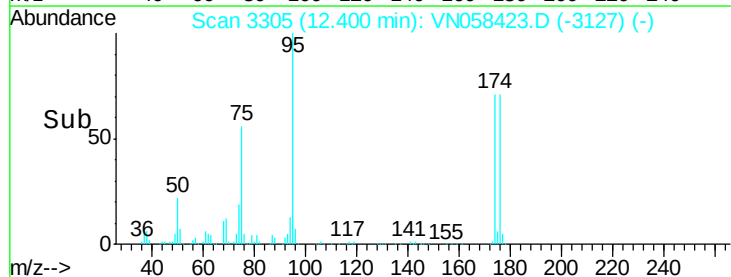
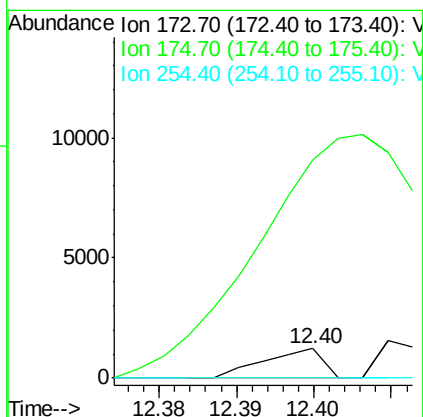
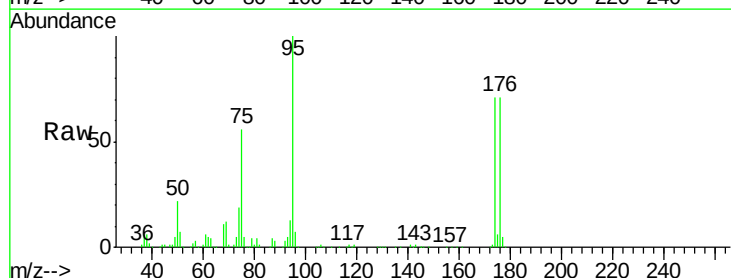
Instrument :
MSVOA_N
ClientSampleId :
TB01-20190924

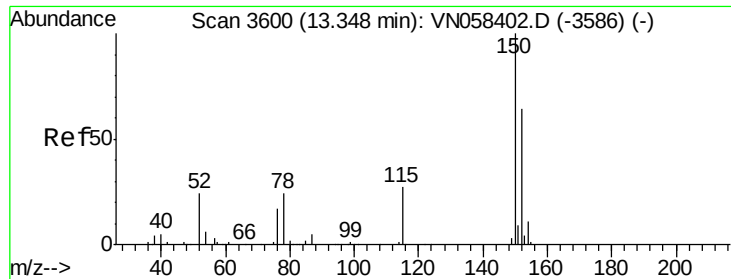
Tot Ion:117 Resp: 614050
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.0
119 32.1 25.5 38.3



#71
Bromoform
Concen: 0.919 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN058423.D
Acq: 30 Sep 2019 10:46

Tgt Ion:173 Resp: 645
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
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: VN058423.D

Acq: 30 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

TB01-20190924

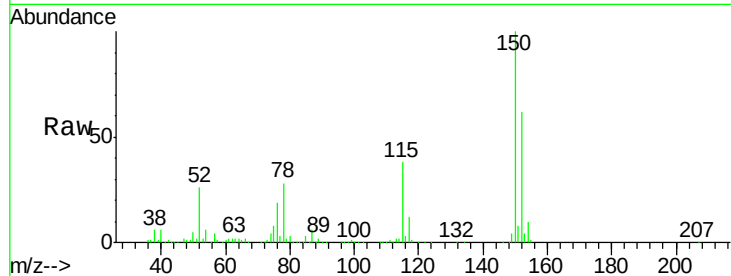
Tot Ion:152 Resp: 242329

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.0

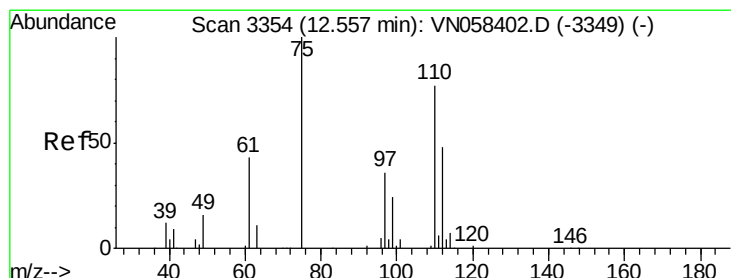
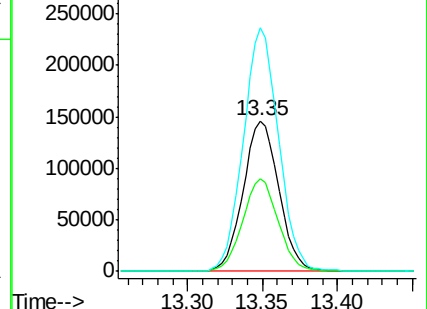
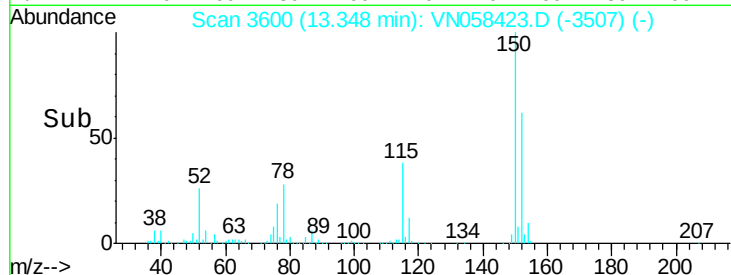
150 160.2 0.0 348.2



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: 36.336 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058423.D

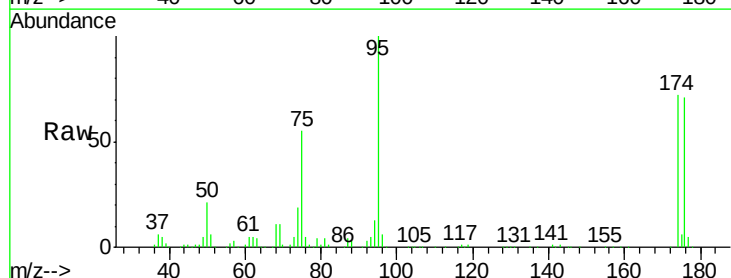
Acq: 30 Sep 2019 10:46

Tgt Ion: 75 Resp: 160828

Ion Ratio Lower Upper

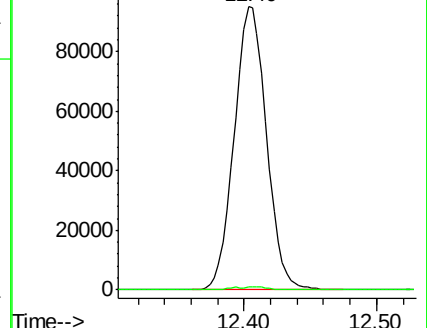
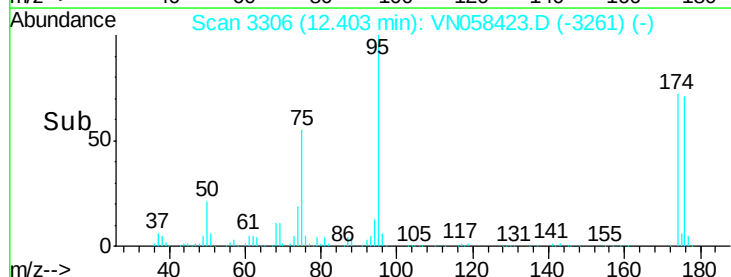
75 100

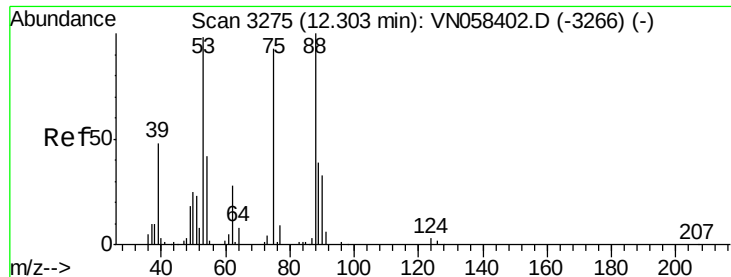
77 0.6 0.0 0.0#



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: 110.356 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058423.D

Acq: 30 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

TB01-20190924

Tot Ion: 75 Resp: 160828

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#

