

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058442.D
 Acq On : 30 Sep 2019 17:46
 Operator : JC/SP
 Sample : K5080-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:33:49 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	421110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	685125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	582270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	304373	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.58	113	212139	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.08	98	844654	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.41	95	263086	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

Target Compounds

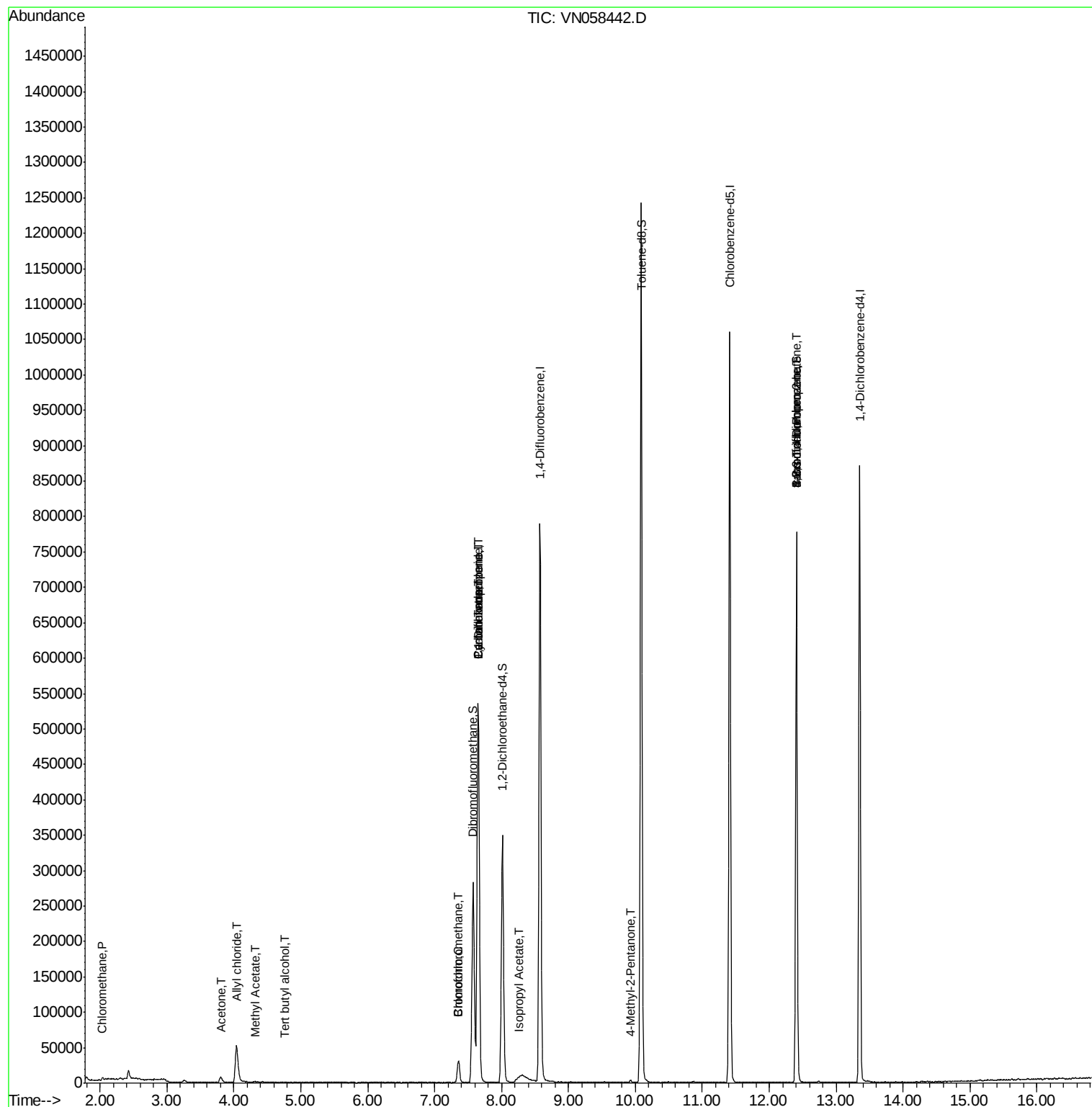
					Qvalue	
3) Chloromethane	2.04	50	1772	0.349	ug/l	94
11) Tert butyl alcohol	4.75	59	265	0.388	ug/l #	71
14) Allyl chloride	4.04	41	7071	0.978	ug/l #	67
16) Acetone	3.81	43	13584	6.475	ug/l	99
18) Methyl Acetate	4.32	43	1113	0.211	ug/l #	66
28) Bromochloromethane	7.36	49	2869	0.820	ug/l #	16
30) Chloroform	7.36	83	32504	3.664	ug/l	98
31) Cyclohexane	7.64	56	11124	1.306	ug/l #	19
36) 1,1-Dichloropropene	7.65	75	36176	5.522	ug/l #	52
38) Carbon Tetrachloride	7.65	117	43843	7.414	ug/l #	16
43) Isopropyl Acetate	8.26	43	8507	0.814	ug/l #	63
51) 4-Methyl-2-Pentanone	9.92	43	1199	0.223	ug/l #	37
71) Bromoform	12.40	173	1667	1.305	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	144612	35.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	144612	108.145	ug/l #	7
95) Naphthalene	15.15	128	118	Below Cal	#	70

(#) = 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: VN058442.D

Acq: 30 Sep 2019 17:46

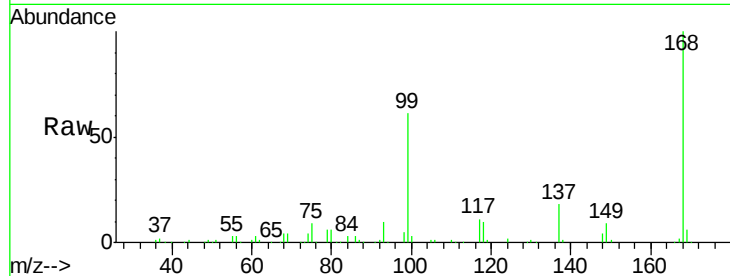
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 421110

Ion Ratio Lower Upper

168 100

99 60.7 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

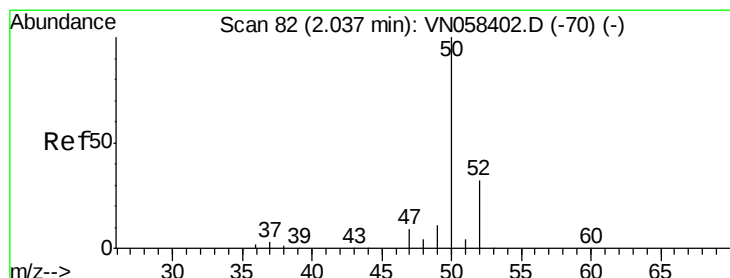
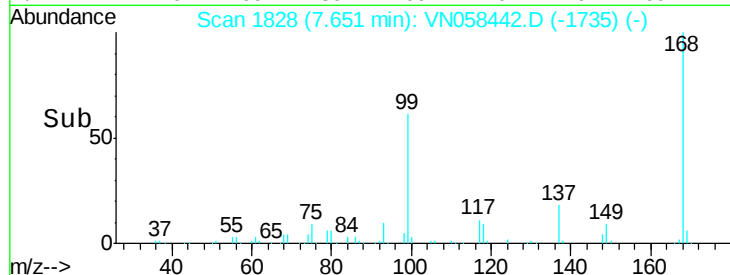
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.349 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058442.D

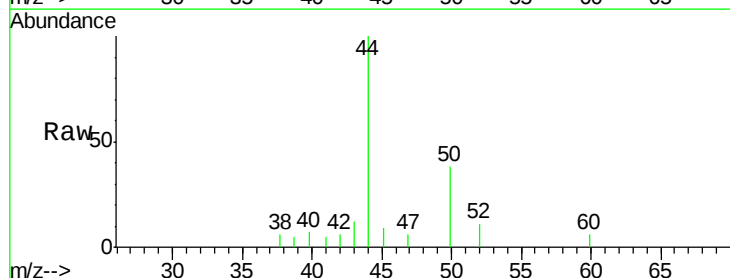
Acq: 30 Sep 2019 17:46

Tgt Ion: 50 Resp: 1772

Ion Ratio Lower Upper

50 100

52 29.1 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

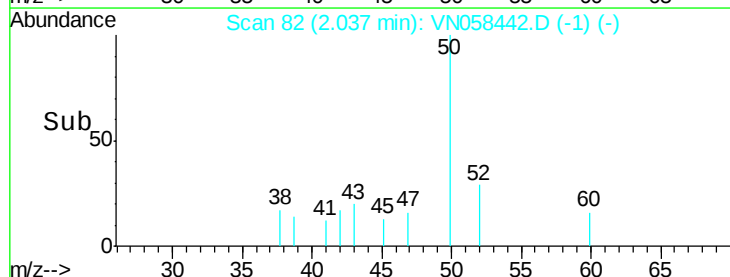
1500

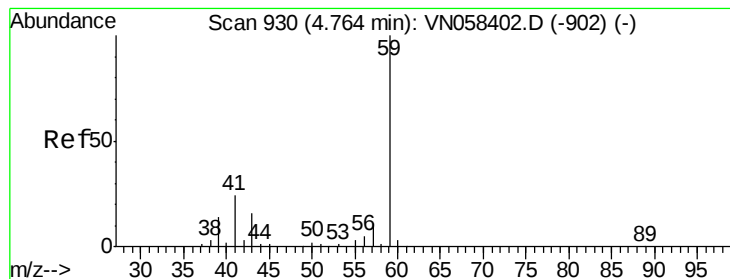
1000

500

0

Time-->



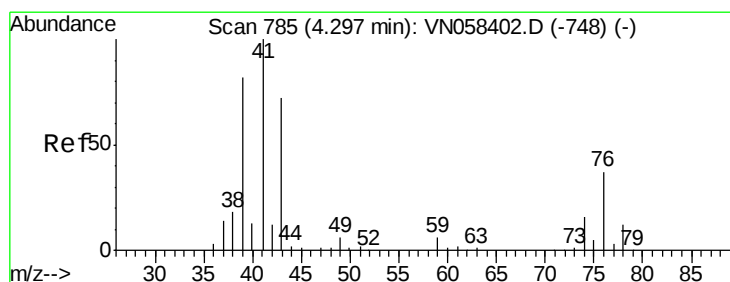
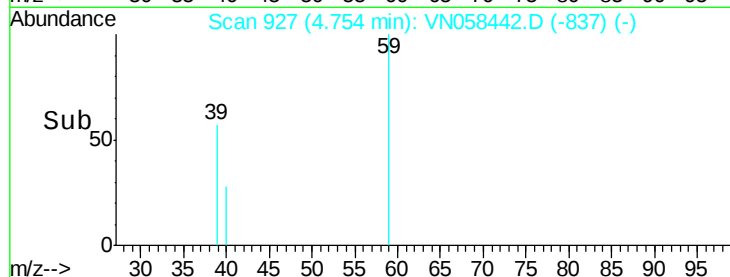
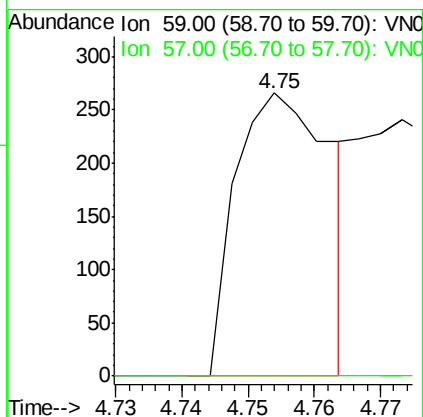
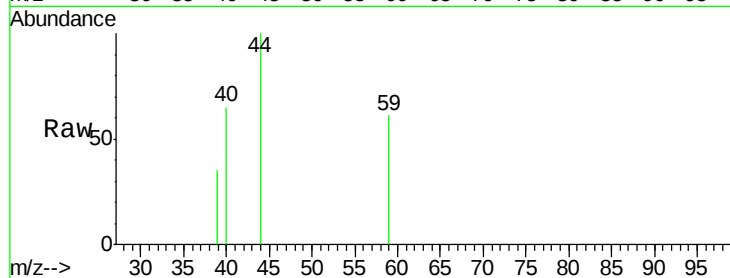


#11

Tert butyl alcohol
 Concen: 0.388 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058442.D
 Acq: 30 Sep 2019 17:46

Instrument :
 MSVOA_N
 ClientSampled :

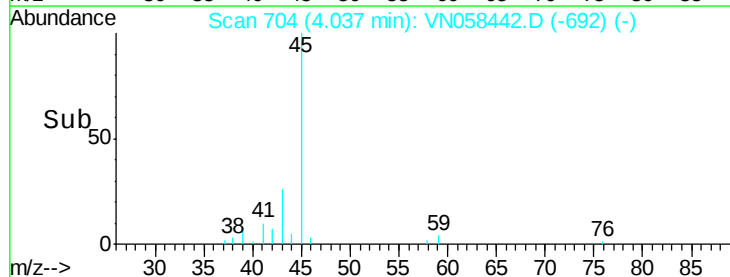
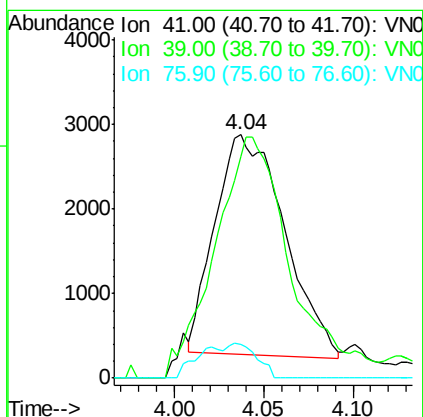
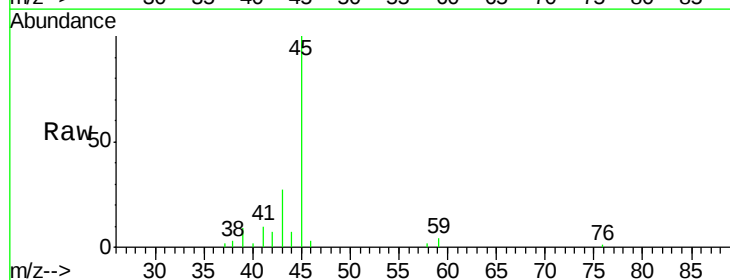
Tot Ion: 59 Resp: 265
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

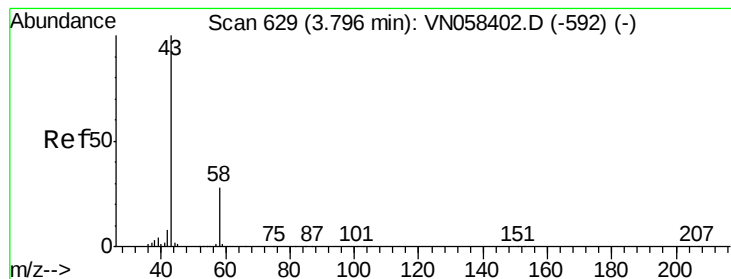


#14

Allyl chloride
 Concen: 0.978 ug/l
 RT: 4.04 min Scan# 704
 Delta R.T. -0.26 min
 Lab File: VN058442.D
 Acq: 30 Sep 2019 17:46

Tgt Ion: 41 Resp: 7071
 Ion Ratio Lower Upper
 41 100
 39 101.4 62.3 93.5#
 76 6.6 26.9 40.3#





#16

Acetone

Concen: 6.475 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058442.D

Acq: 30 Sep 2019 17:46

Instrument :

MSVOA_N

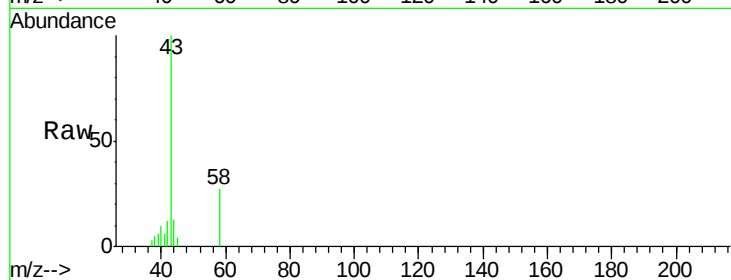
ClientSampled :

Tot Ion: 43 Resp: 13584

Ion Ratio Lower Upper

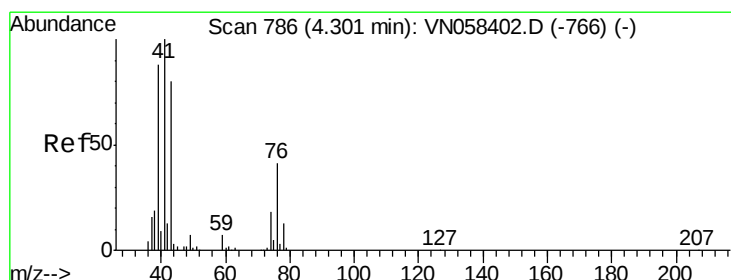
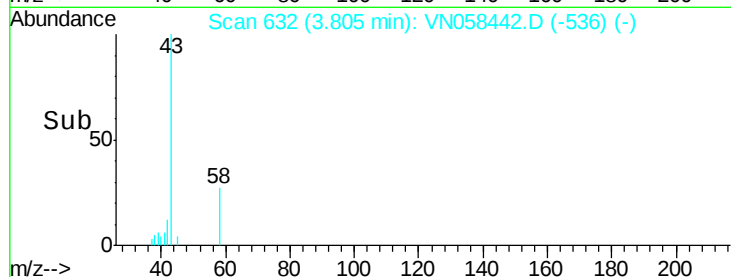
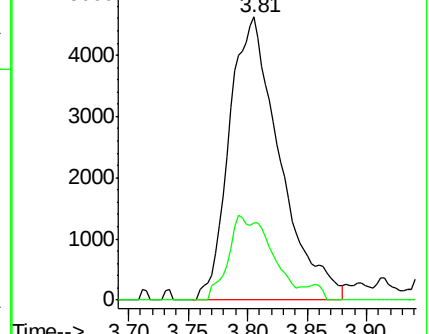
43 100

58 27.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN058442.D

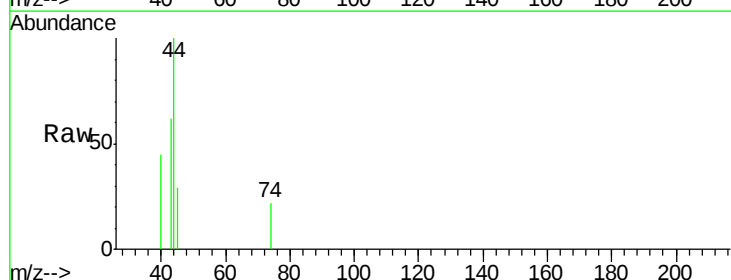
Acq: 30 Sep 2019 17:46

Tgt Ion: 43 Resp: 1113

Ion Ratio Lower Upper

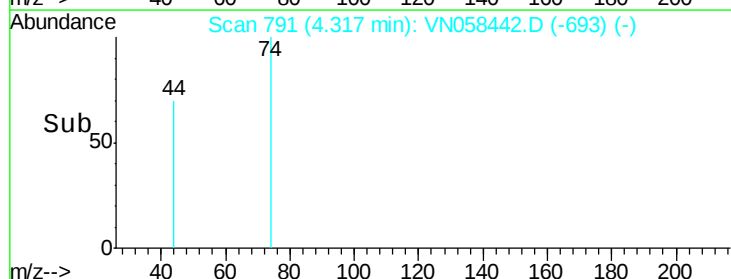
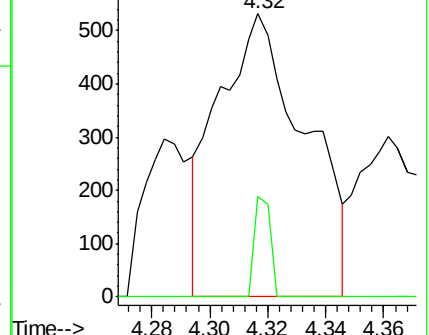
43 100

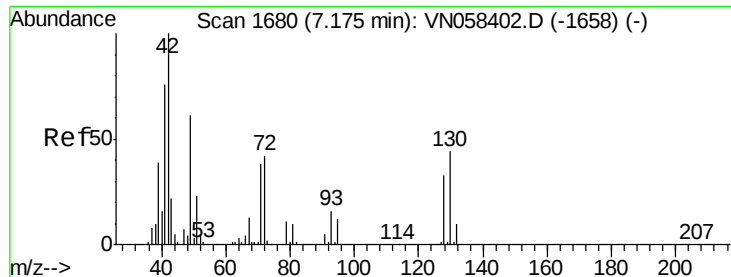
74 6.3 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

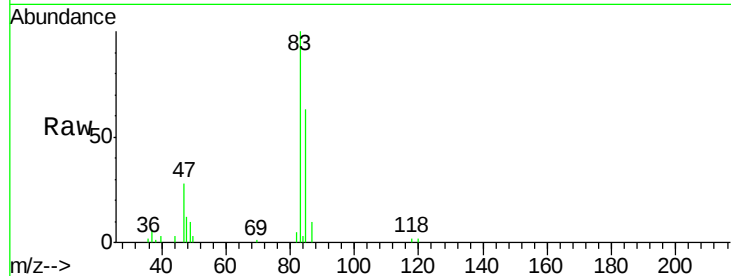




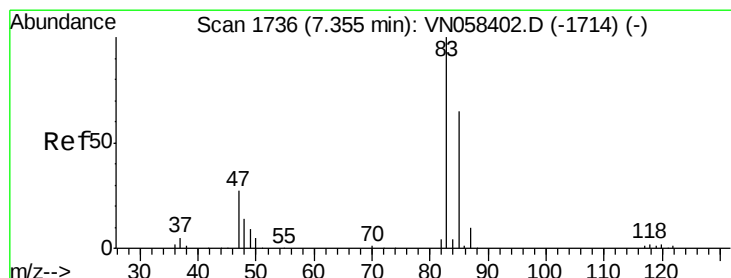
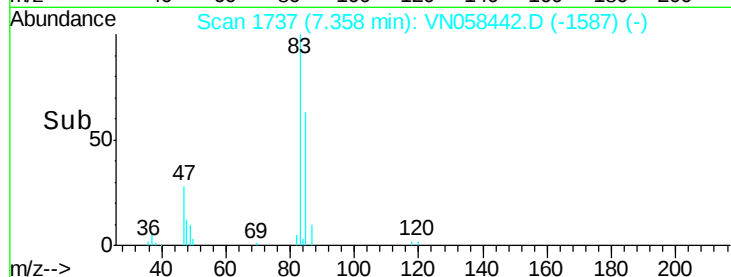
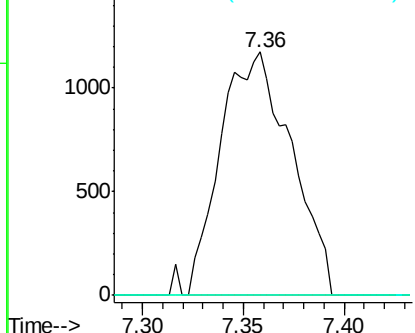
#28
Bromochloromethane
Concen: 0.820 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.18 min
Lab File: VN058442.D
Acq: 30 Sep 2019 17:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 49 Resp: 2869
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 0.0 56.3 84.5#

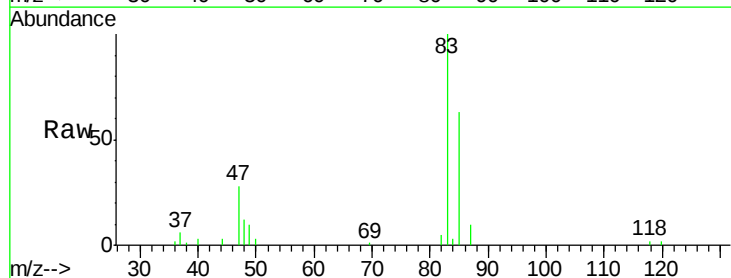


Abundance Ion 48.90 (48.60 to 49.60): VNC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

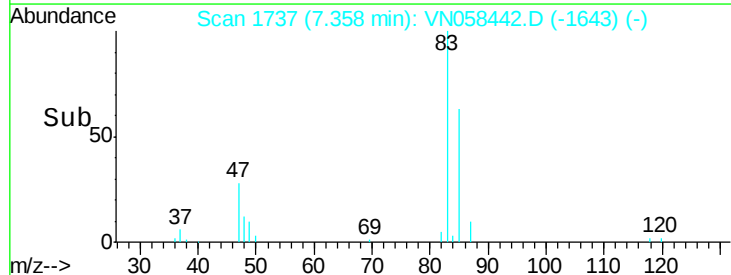
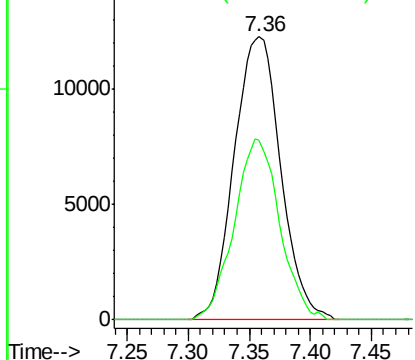


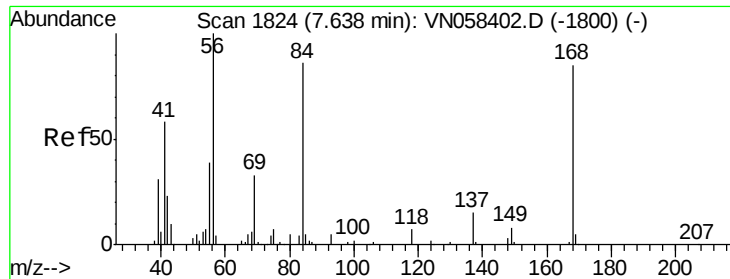
#30
Chloroform
Concen: 3.664 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058442.D
Acq: 30 Sep 2019 17:46

Tgt Ion: 83 Resp: 32504
Ion Ratio Lower Upper
83 100
85 63.5 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC





#31

Cyclohexane

Concen: 1.306 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058442.D

Acq: 30 Sep 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :

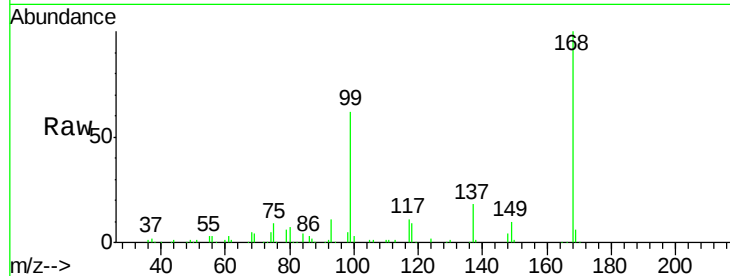
Tot Ion: 56 Resp: 11124

Ion Ratio Lower Upper

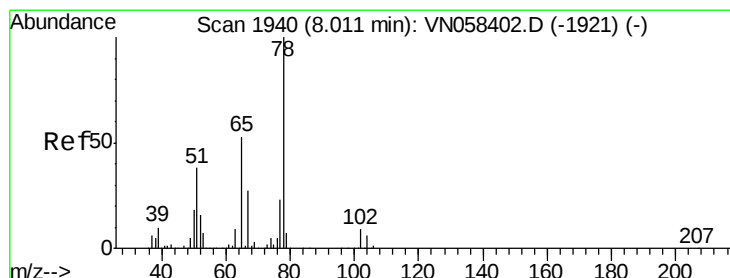
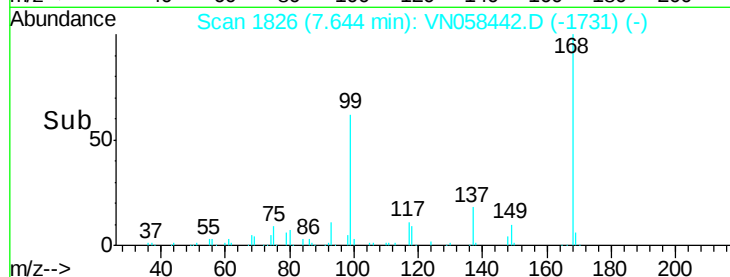
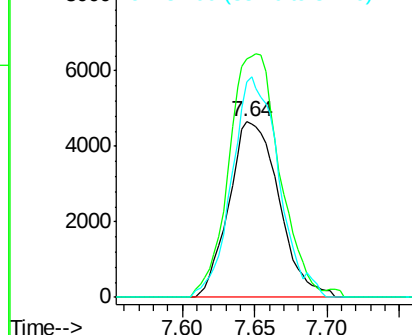
56 100

69 135.7 26.2 39.4#

84 122.7 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: 49.461 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058442.D

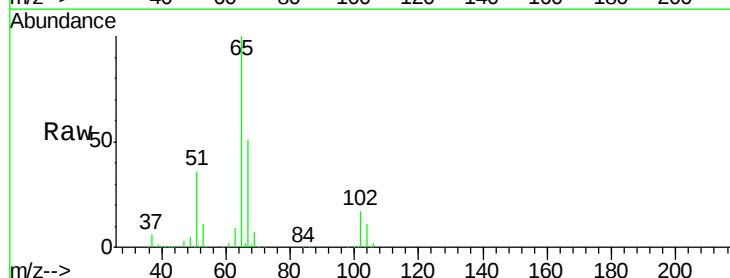
Acq: 30 Sep 2019 17:46

Tgt Ion: 65 Resp: 304373

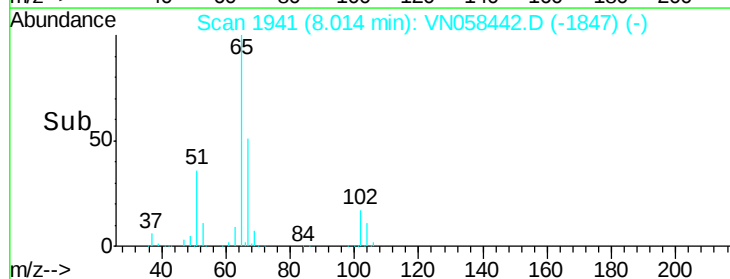
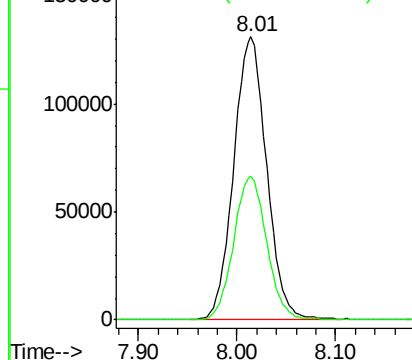
Ion Ratio Lower Upper

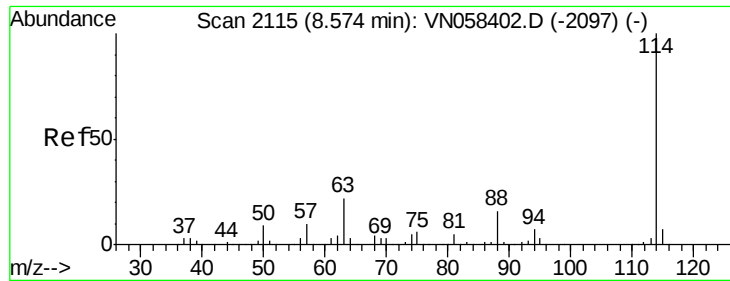
65 100

67 50.9 0.0 102.4



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

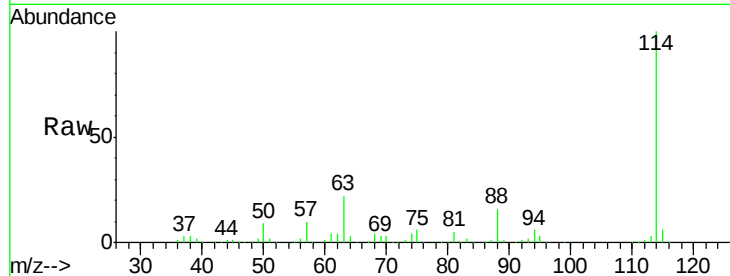




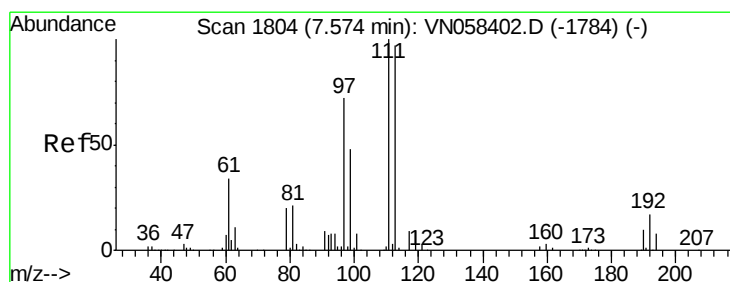
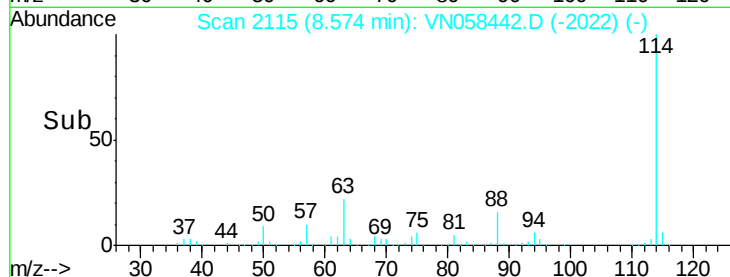
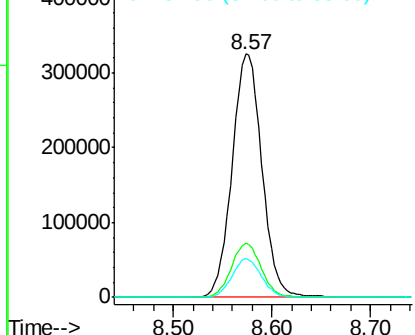
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058442.D
Acq: 30 Sep 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 685125
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.0
88 16.0 0.0 32.2

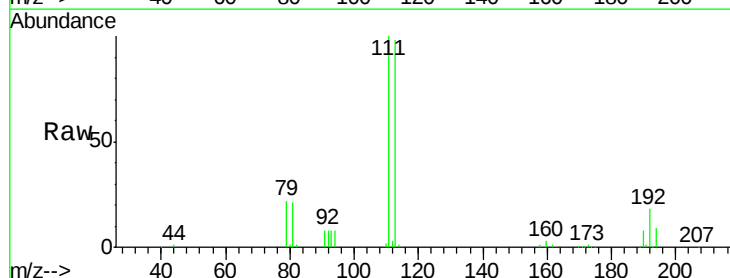


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

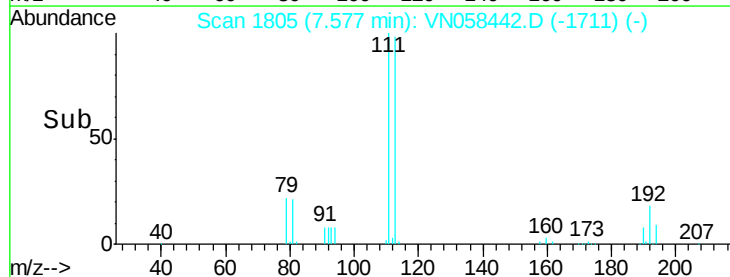
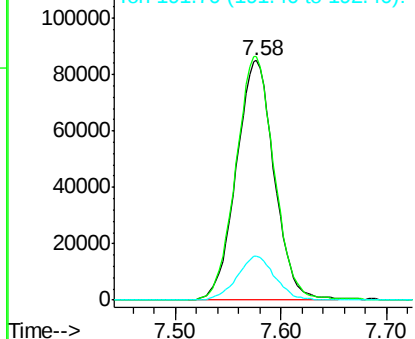


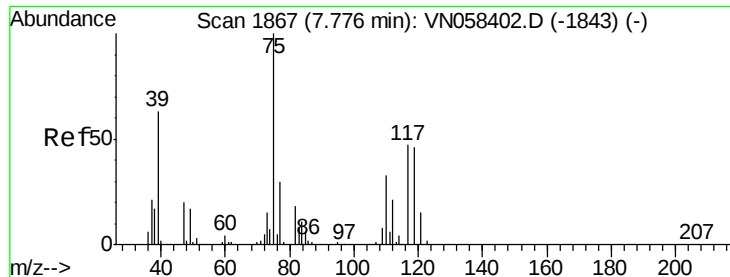
#35
Dibromofluoromethane
Concen: 50.521 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN058442.D
Acq: 30 Sep 2019 17:46

Tgt Ion:113 Resp: 212139
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.2
192 18.3 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

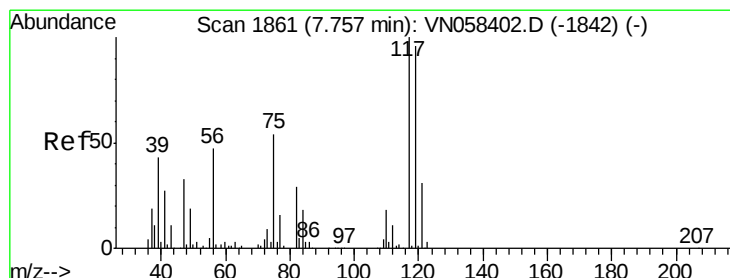
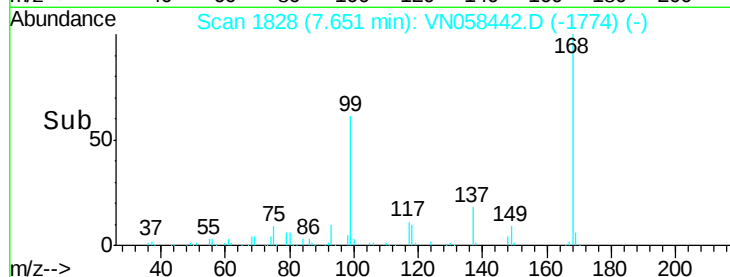
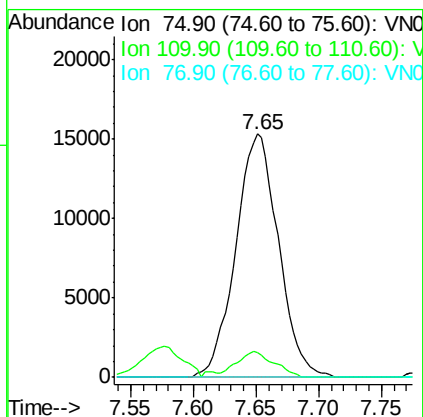
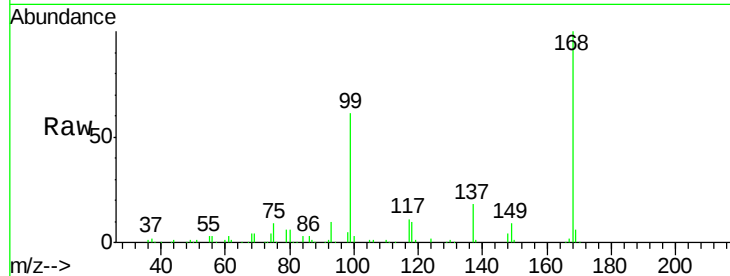




#36
 1,1-Dichloropropene
 Concen: 5.522 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058442.D
 Acq: 30 Sep 2019 17:46

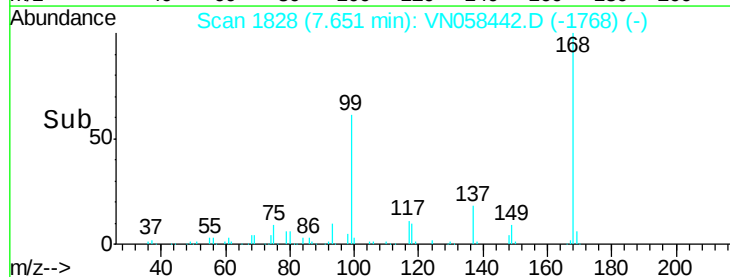
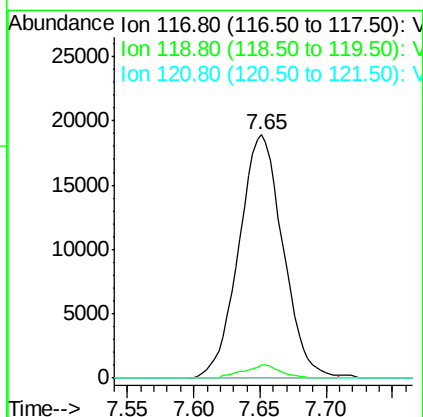
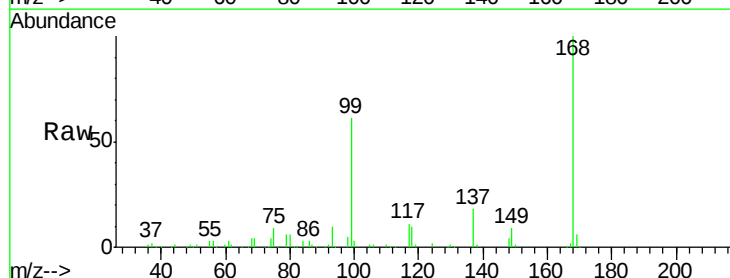
Instrument :
 MSVOA_N
 ClientSampled :

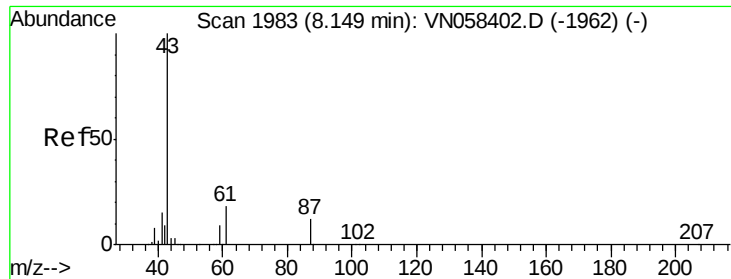
Tot Ion: 75 Resp: 36176
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.4 49.2#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.414 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058442.D
 Acq: 30 Sep 2019 17:46

Tgt Ion: 117 Resp: 43843
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.6 115.0#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.814 ug/l

RT: 8.26 min Scan# 2016

Delta R.T. 0.11 min

Lab File: VN058442.D

Acq: 30 Sep 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

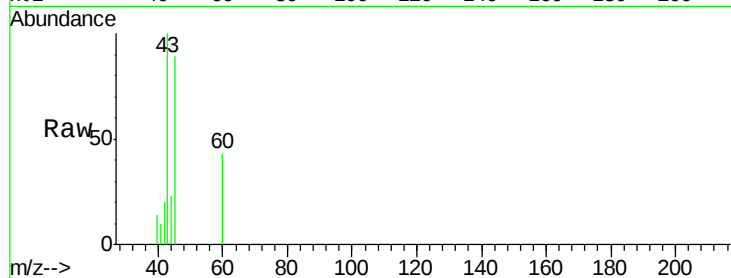
Tot Ion: 43 Resp: 8507

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

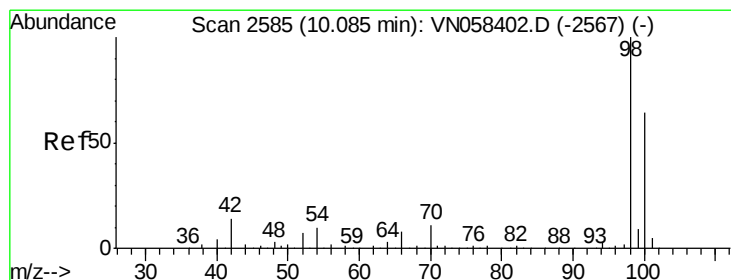
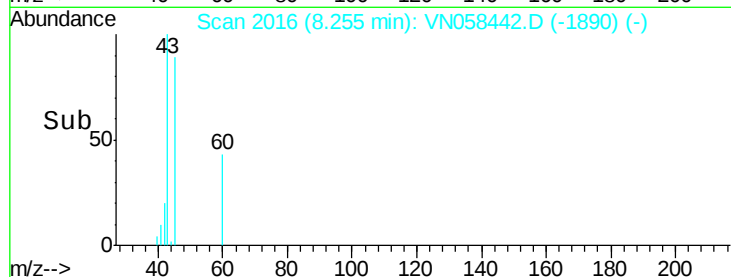
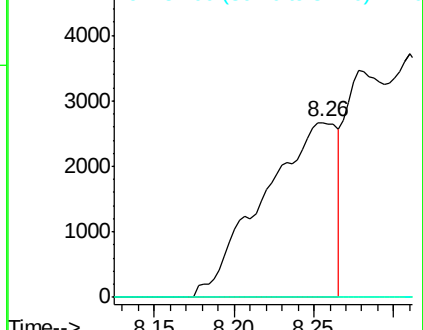
87 0.0 9.7 14.5#



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: 51.348 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058442.D

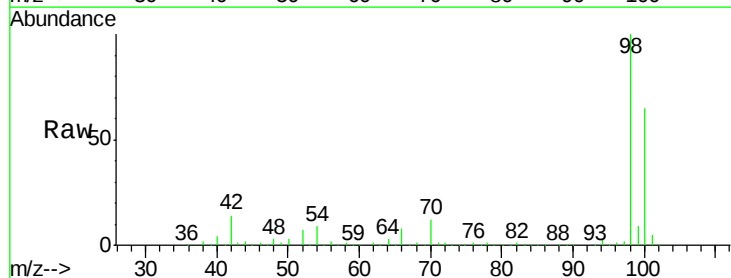
Acq: 30 Sep 2019 17:46

Tgt Ion: 98 Resp: 844654

Ion Ratio Lower Upper

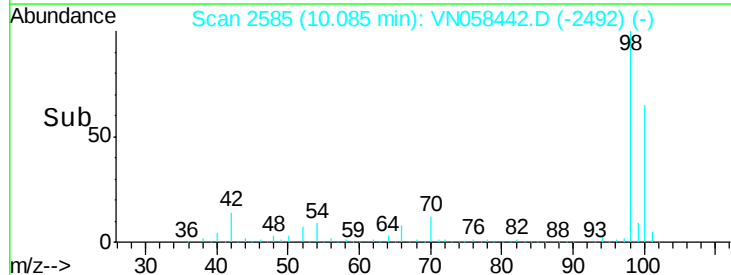
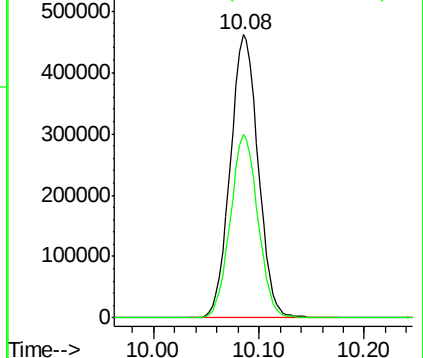
98 100

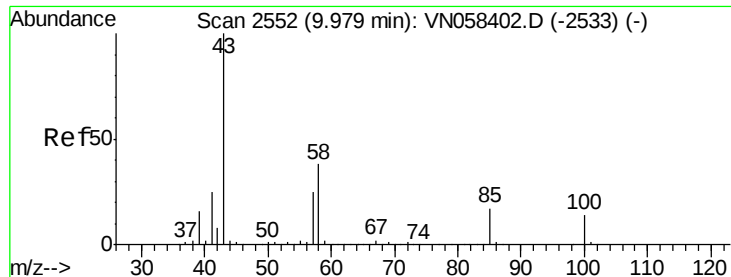
100 64.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.223 ug/l

RT: 9.92 min Scan# 2535

Delta R.T. -0.05 min

Lab File: VN058442.D

Acq: 30 Sep 2019 17:46

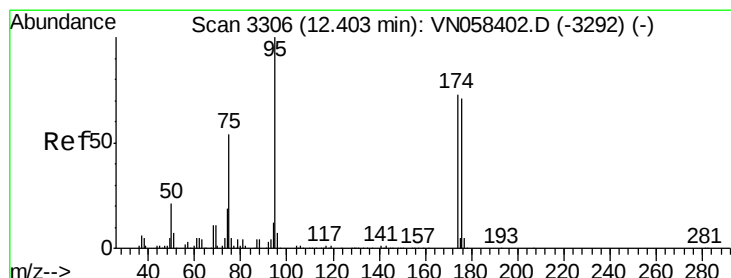
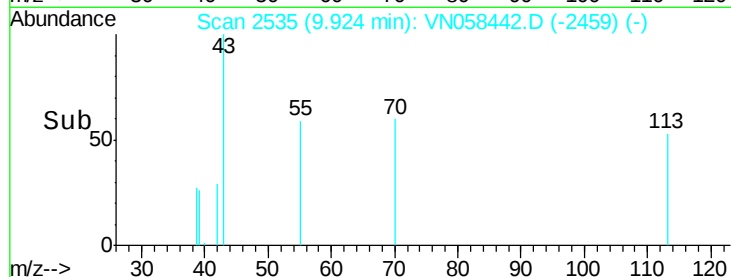
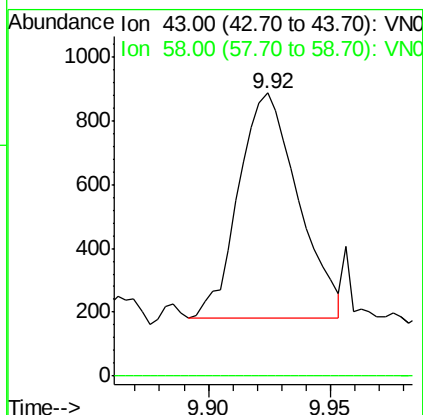
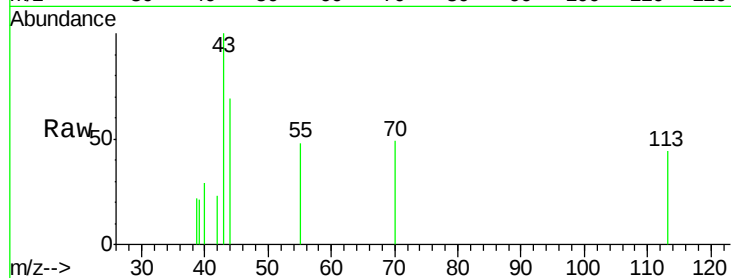
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1199

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



#62

4-Bromofluorobenzene

Concen: 44.232 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058442.D

Acq: 30 Sep 2019 17:46

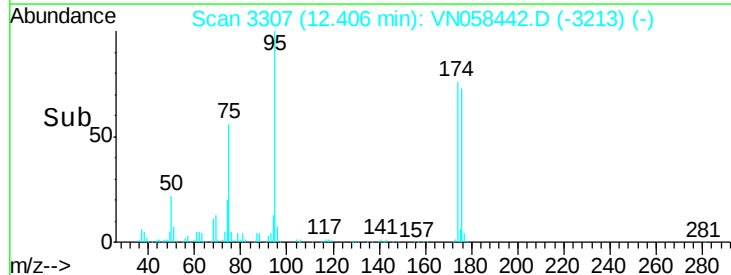
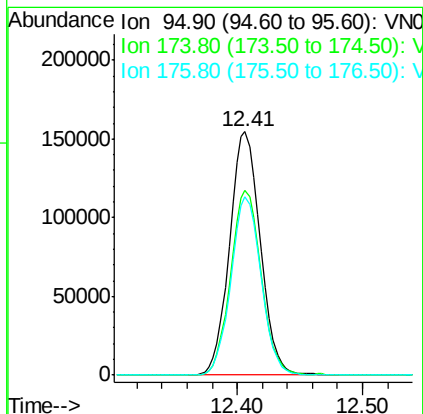
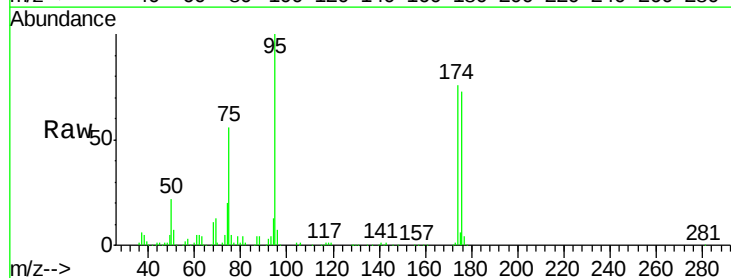
Tgt Ion: 95 Resp: 263086

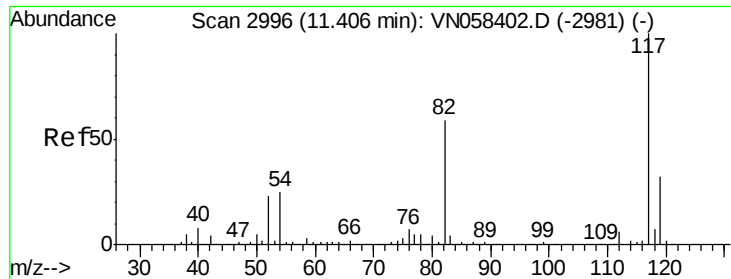
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.6

176 72.0 0.0 146.2

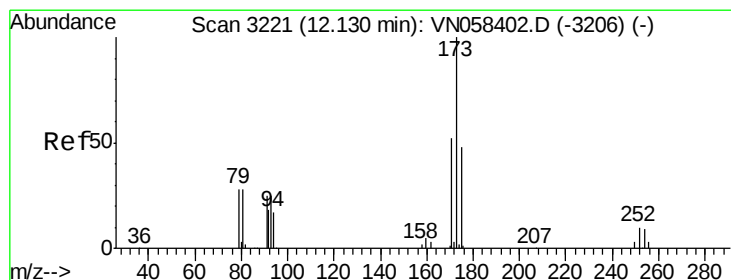
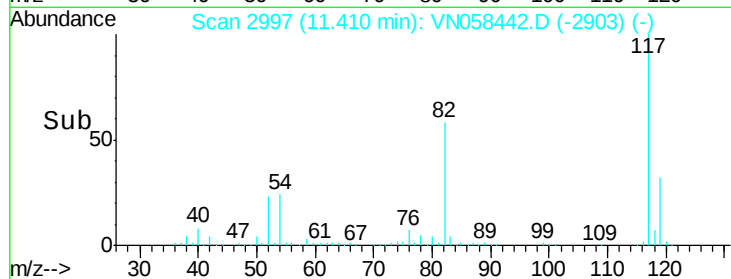
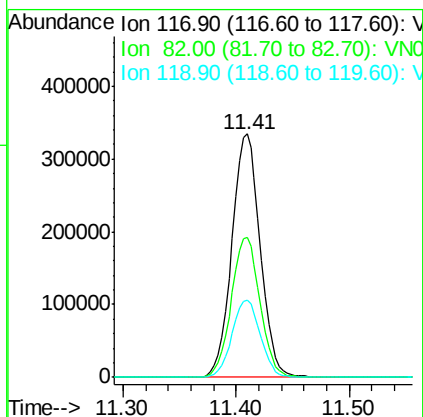
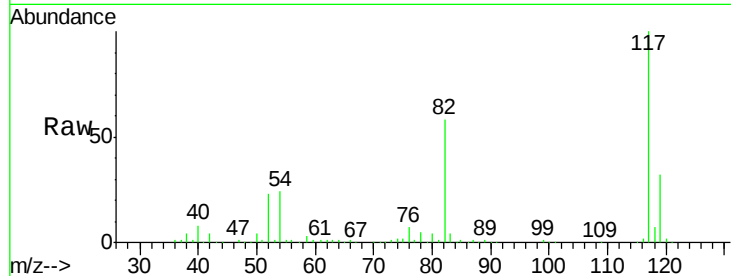




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058442.D
Acq: 30 Sep 2019 17:46

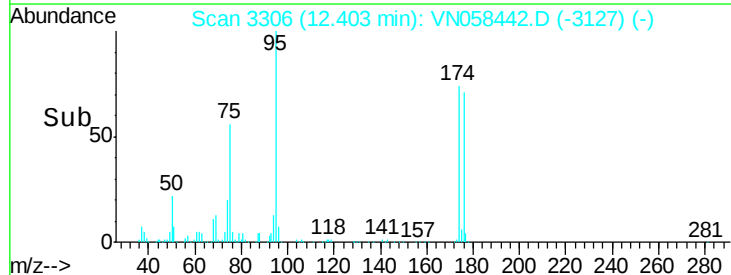
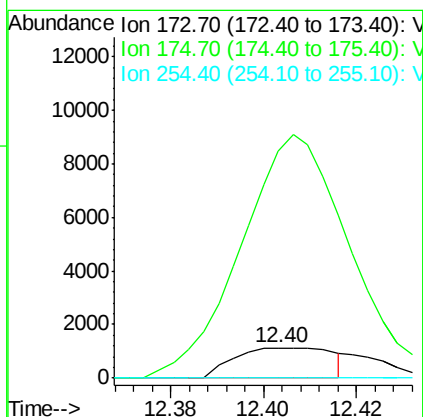
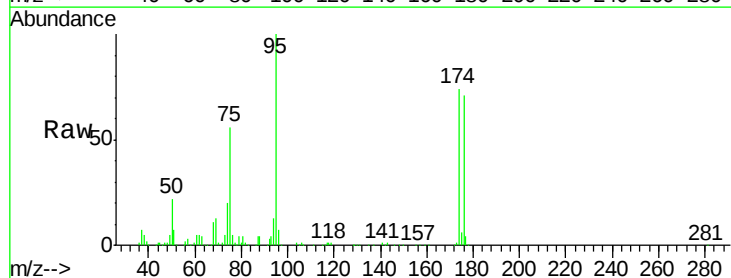
Instrument :
MSVOA_N
ClientSampled :

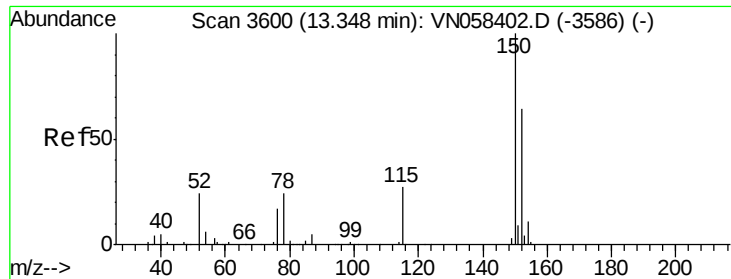
Tot Ion:117 Resp: 582270
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.0
119 31.6 25.5 38.3



#71
Bromoform
Concen: 1.305 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058442.D
Acq: 30 Sep 2019 17:46

Tgt Ion:173 Resp: 1667
Ion Ratio Lower Upper
173 100
175 734.6 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: VN058442.D

Acq: 30 Sep 2019 17:46

Instrument :

MSVOA_N

ClientSampled :

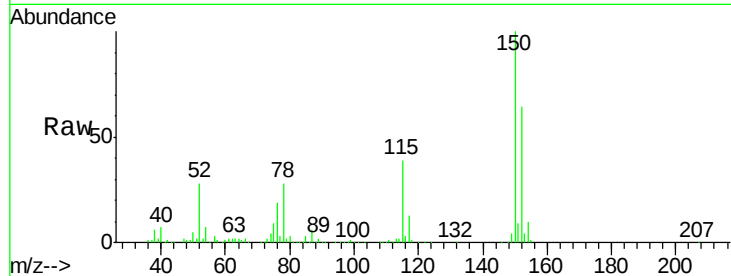
Tot Ion:152 Resp: 222351

Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

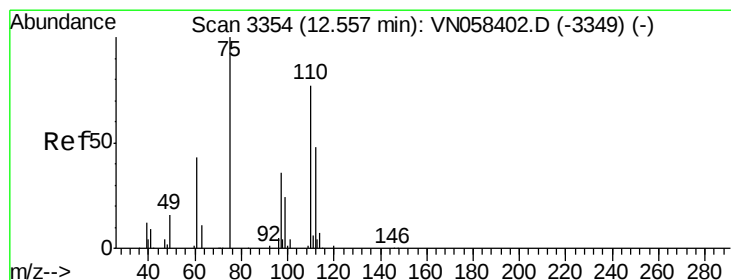
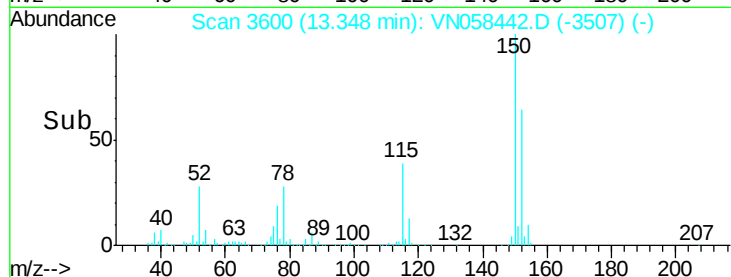
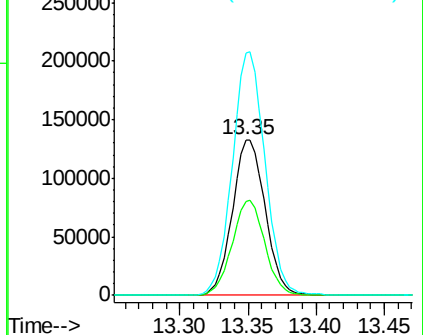
150 155.6 0.0 348.2



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: 35.608 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058442.D

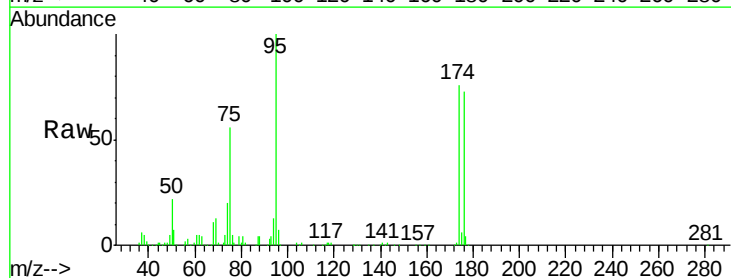
Acq: 30 Sep 2019 17:46

Tgt Ion: 75 Resp: 144612

Ion Ratio Lower Upper

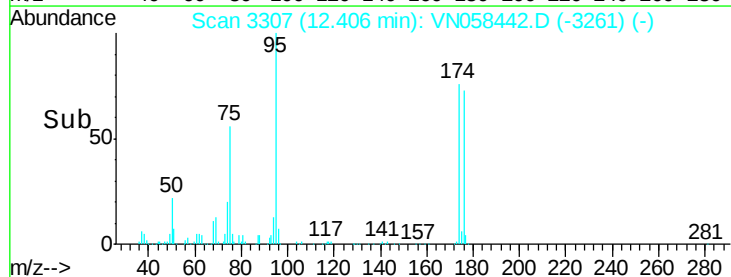
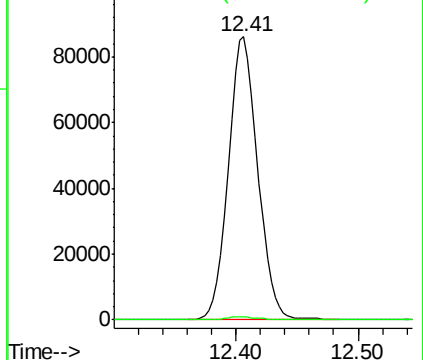
75 100

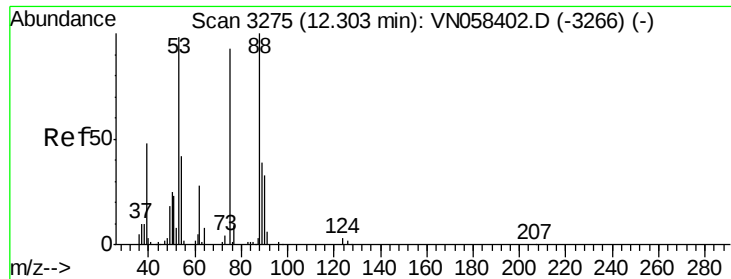
77 1.1 0.0 0.0#



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: 108.145 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058442.D
 Acq: 30 Sep 2019 17:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 144612
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.4 128.0#
 89 0.0 35.0 52.4#

