

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054437.D
 Acq On : 19 Mar 2019 13:36
 Operator : JC/SP
 Sample : K1930-10
 Misc : 5.82g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:51:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1870781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2661965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2286263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	988111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	801905	40.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.72%	
35) Dibromofluoromethane	7.59	113	752868	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	
50) Toluene-d8	10.09	98	3092828	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.40	95	970290	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	

Target Compounds

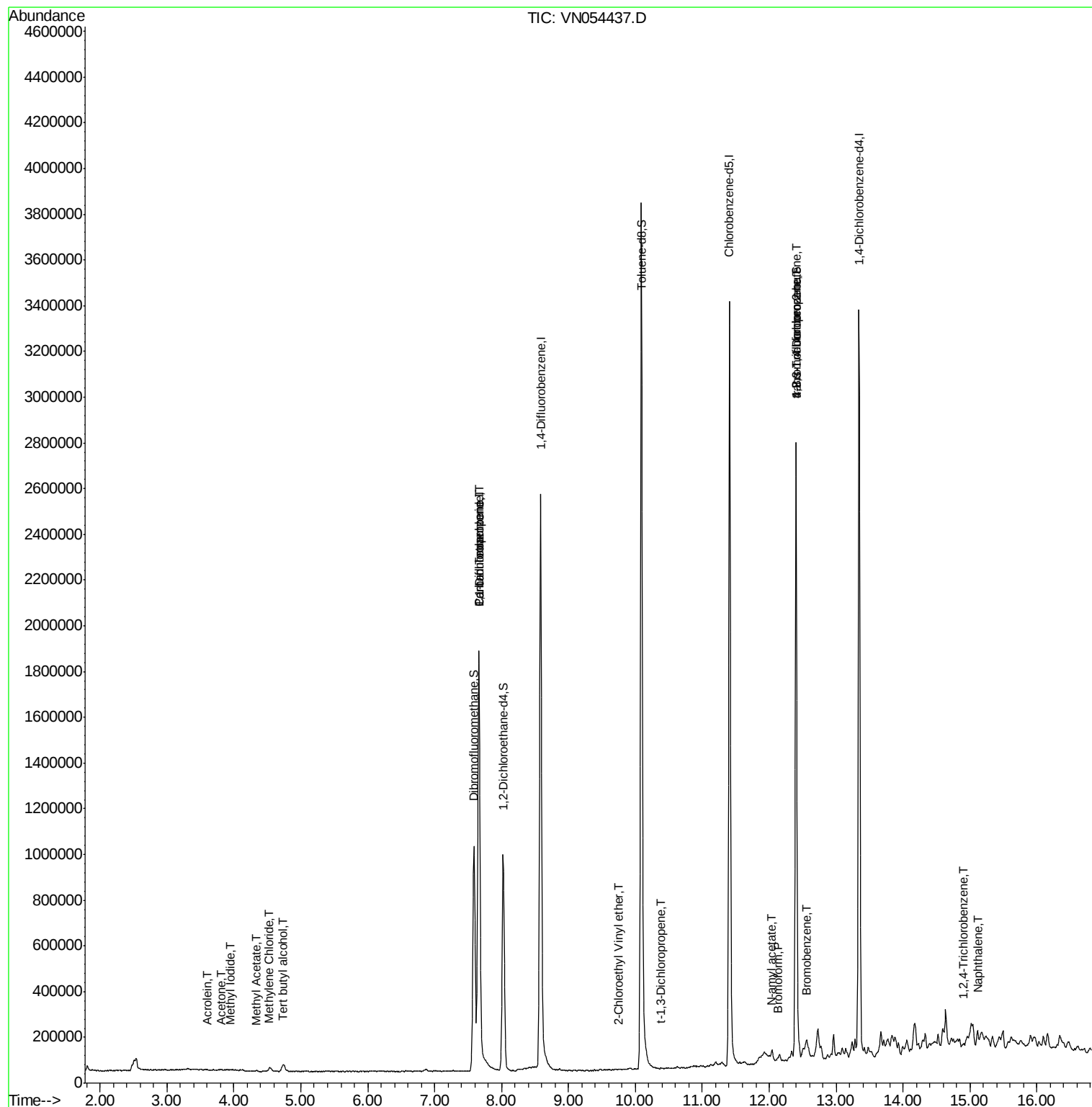
						Qvalue
10) Methyl Iodide	3.93	142	606	1.518	ug/l #	79
11) Tert butyl alcohol	4.73	59	27661	20.309	ug/l #	73
13) Acrolein	3.59	56	300	0.232	ug/l	94
16) Acetone	3.81	43	1335	0.235	ug/l	99
18) Methyl Acetate	4.33	43	3707	0.322	ug/l	91
20) Methylene Chloride	4.53	84	13001	0.696	ug/l	93
31) Cyclohexane	7.66	56	25009	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	103551	4.224	ug/l #	49
38) Carbon Tetrachloride	7.66	117	145921	5.676	ug/l #	16
53) t-1,3-Dichloropropene	10.37	75	174	1.992	ug/l #	23
58) 2-Chloroethyl Vinyl ether	9.74	63	31	16.831	ug/l #	44
71) Bromoform	12.12	173	537	2.387	ug/l #	28
74) N-amyl acetate	12.05	43	6773	0.386	ug/l #	63
76) 1,2,3-Trichloropropane	12.40	75	439446	30.243	ug/l #	100
77) Bromobenzene	12.56	156	100981	4.827	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	439446	103.383	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	2015	2.609	ug/l #	44
95) Naphthalene	15.14	128	10746	3.700	ug/l #	82

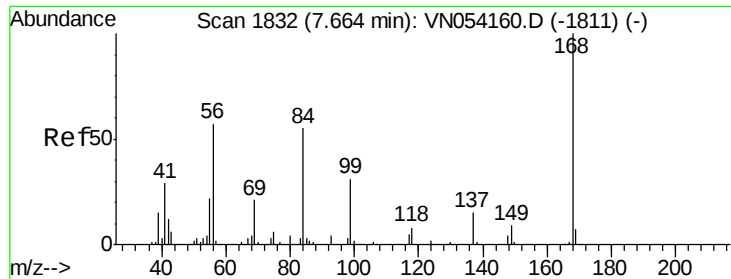
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

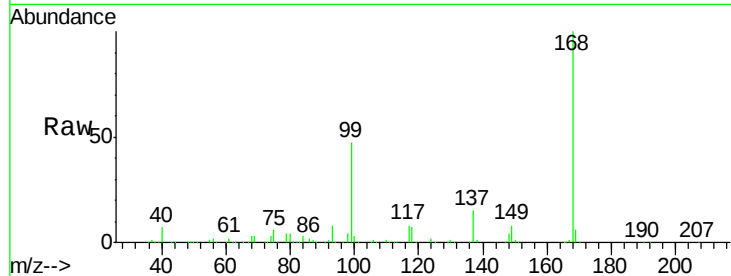
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1870781

Ion Ratio Lower Upper

168 100

99 46.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

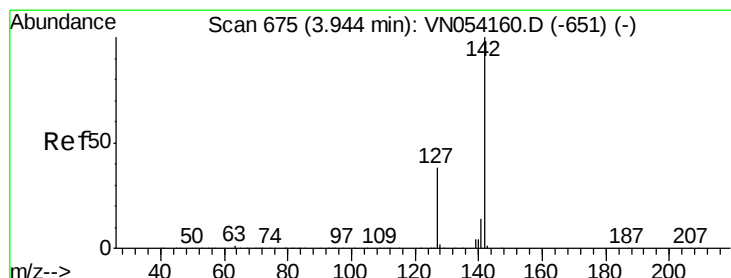
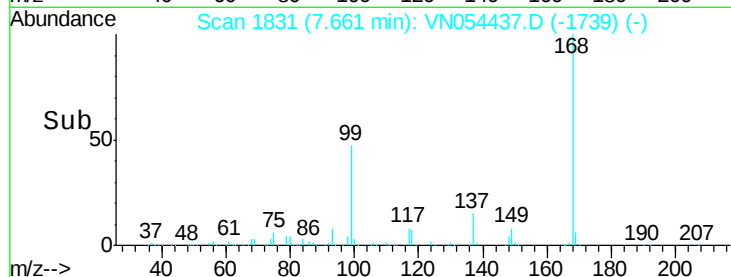
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.518 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

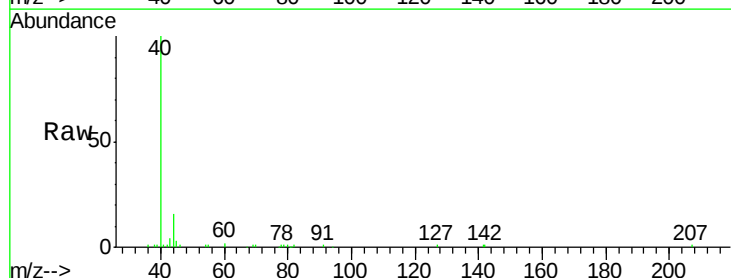
Tgt Ion:142 Resp: 606

Ion Ratio Lower Upper

142 100

127 23.3 30.3 45.5#

141 18.6 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.93

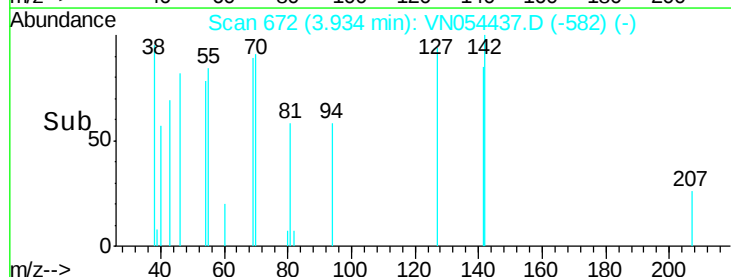
600

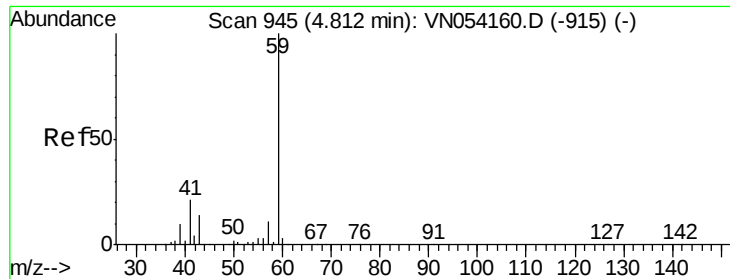
400

200

0

Time--> 3.90 3.92 3.94 3.96

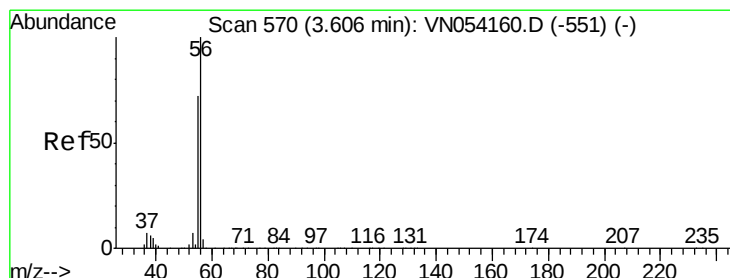
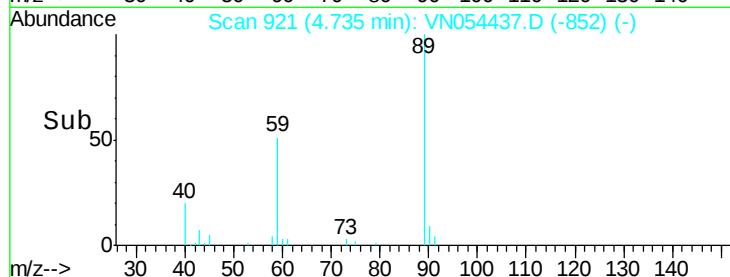
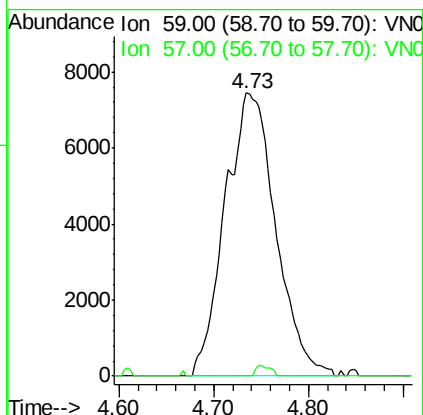
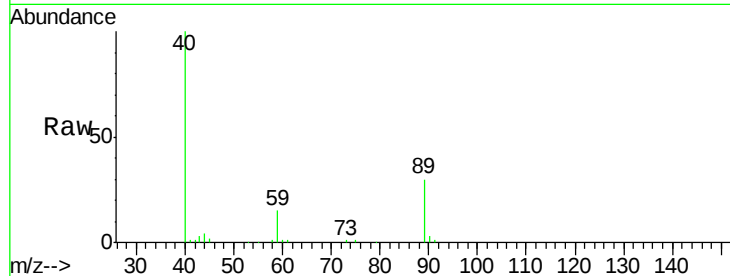




#11
Tert butyl alcohol
Concen: 20.309 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.08 min
Lab File: VN054437.D
Acq: 19 Mar 2019 13:36

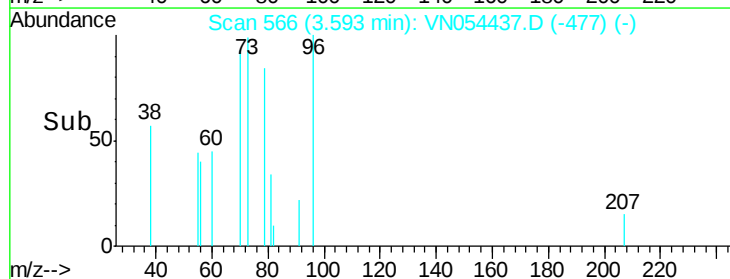
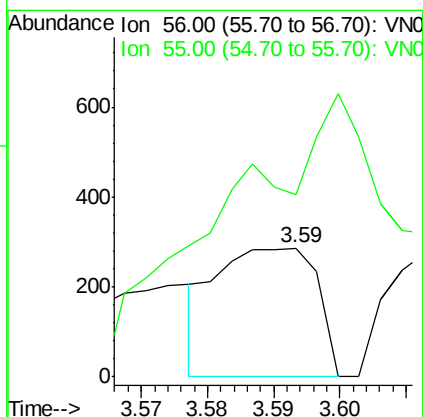
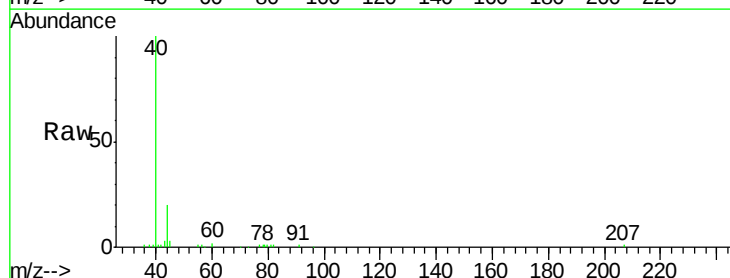
Instrument :
MSVOA_N
ClientSampled :

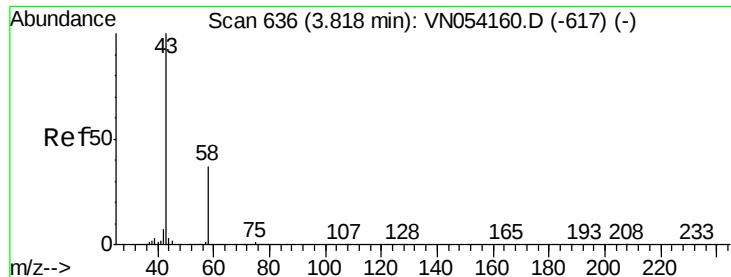
Tot Ion: 59 Resp: 27661
Ion Ratio Lower Upper
59 100
57 1.1 9.0 13.6#



#13
Acrolein
Concen: 0.232 ug/l
RT: 3.59 min Scan# 566
Delta R.T. -0.01 min
Lab File: VN054437.D
Acq: 19 Mar 2019 13:36

Tgt Ion: 56 Resp: 300
Ion Ratio Lower Upper
56 100
55 76.0 56.7 85.1





#16

Acetone

Concen: 0.235 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

Instrument :

MSVOA_N

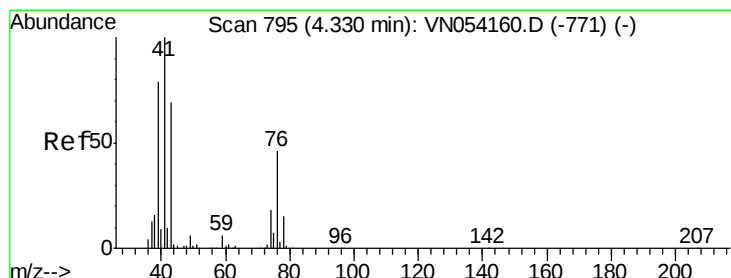
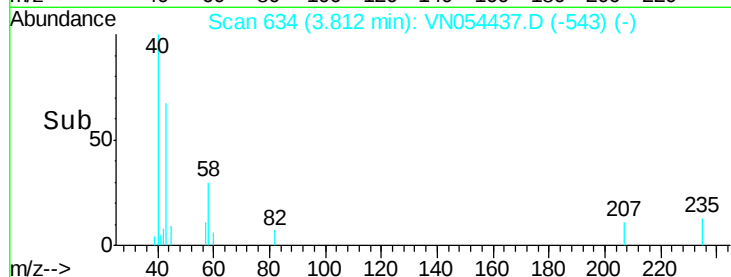
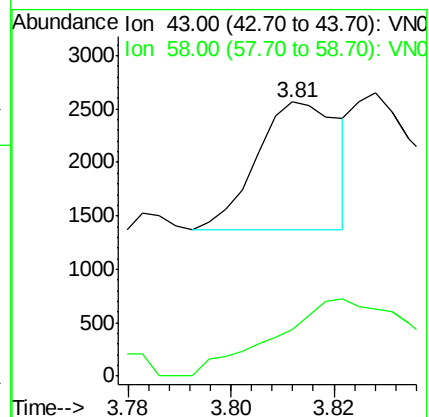
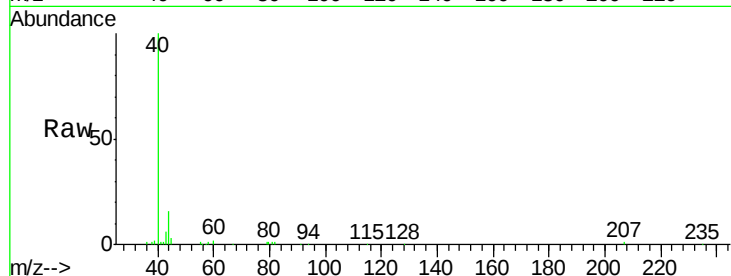
ClientSampled :

Tot Ion: 43 Resp: 1335

Ion Ratio Lower Upper

43 100

58 36.8 29.9 44.9



#18

Methyl Acetate

Concen: 0.322 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054437.D

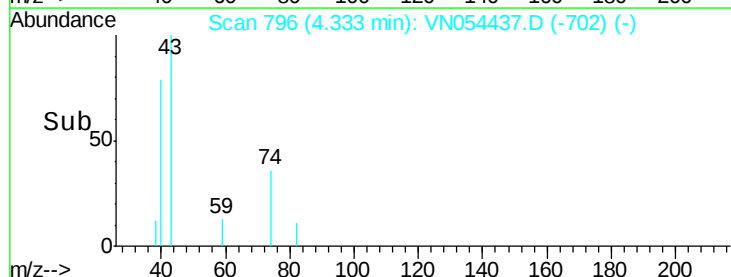
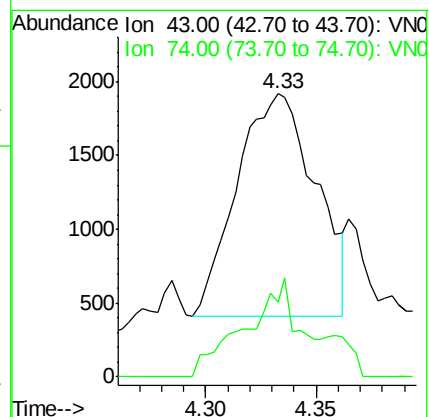
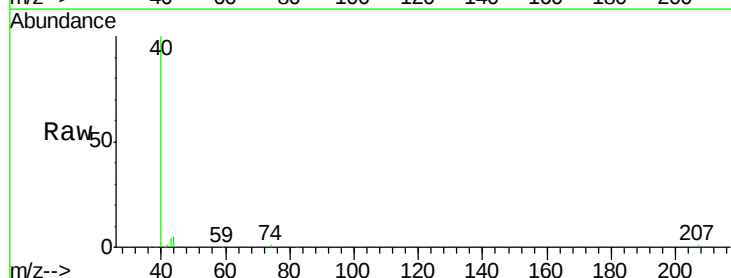
Acq: 19 Mar 2019 13:36

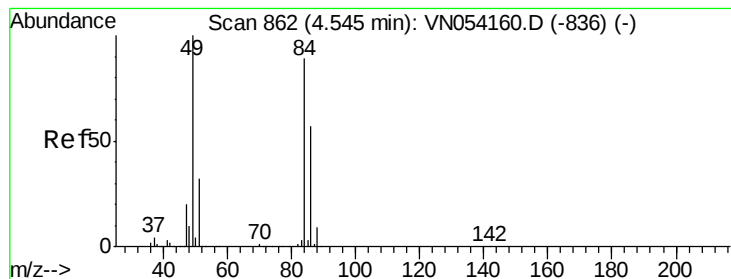
Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

43 100

74 30.6 20.8 31.2





#20

Methylene Chloride

Concen: 0.696 ug/l

RT: 4.53 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 13001

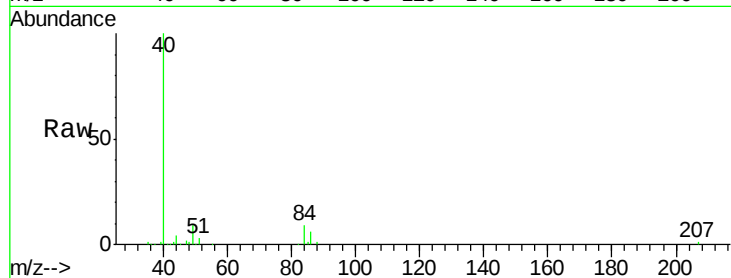
Ion Ratio Lower Upper

84 100

49 100.8 89.7 134.5

51 35.8 28.2 42.4

86 59.2 50.8 76.2

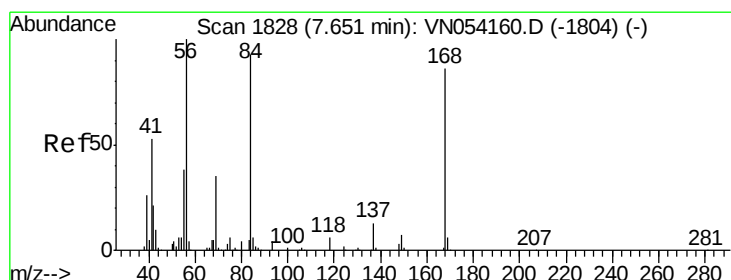
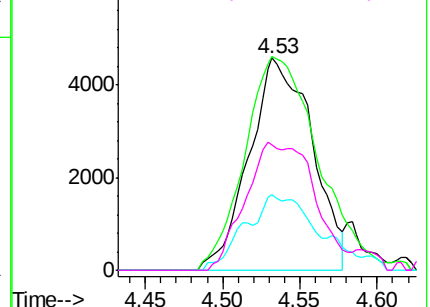
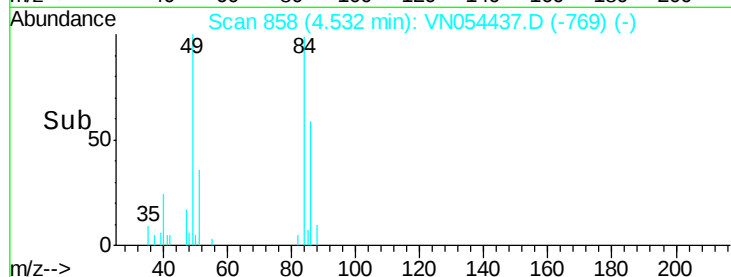


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

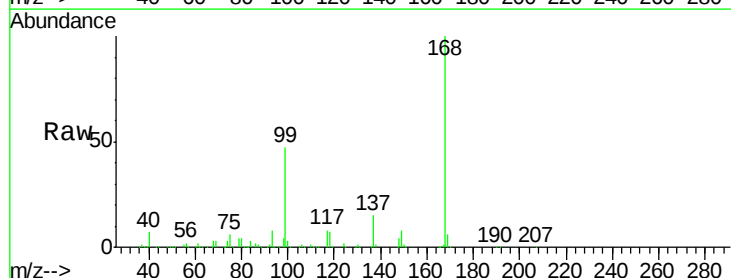
Tgt Ion: 56 Resp: 25009

Ion Ratio Lower Upper

56 100

69 170.8 27.8 41.6#

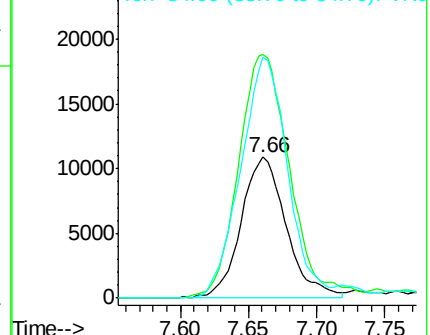
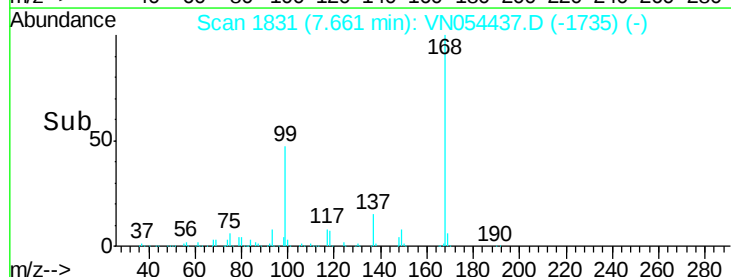
84 171.1 74.6 111.8#

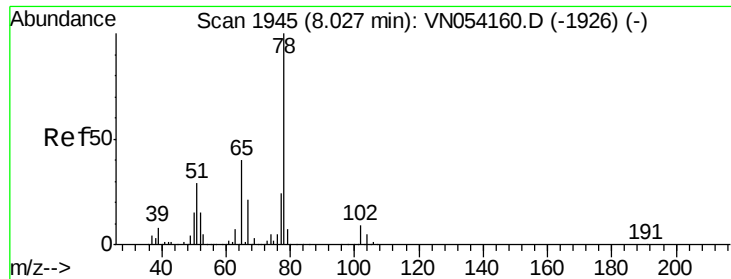


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 40.362 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

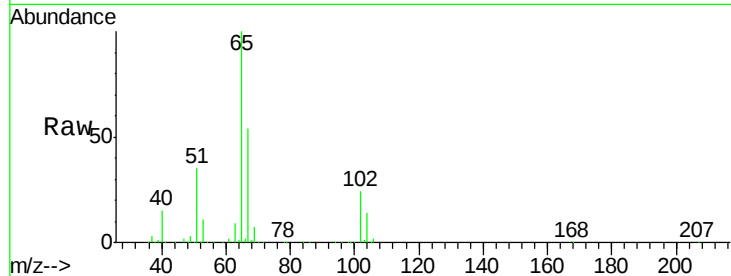
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 801905

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

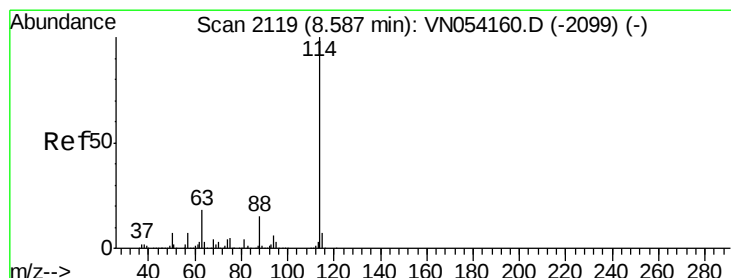
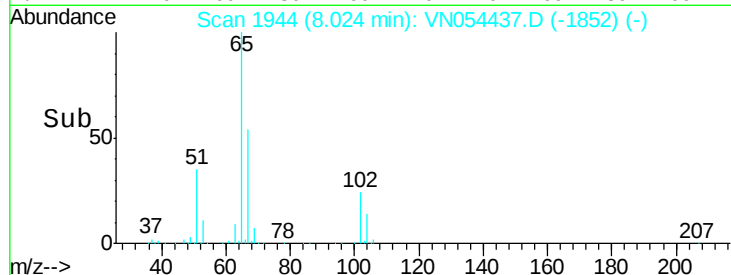
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

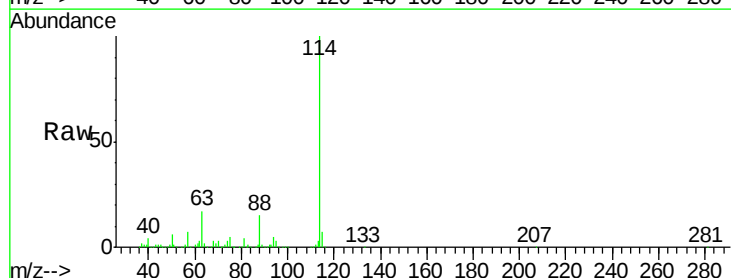
Tgt Ion:114 Resp: 2661965

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.2

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

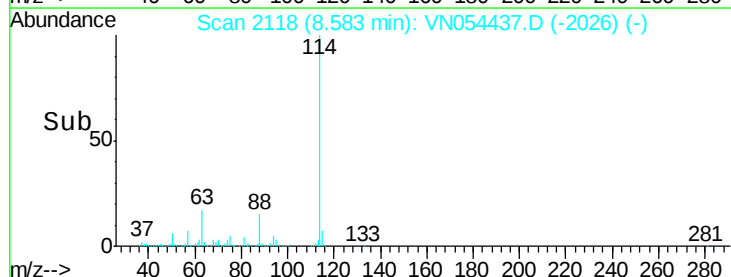
1500000

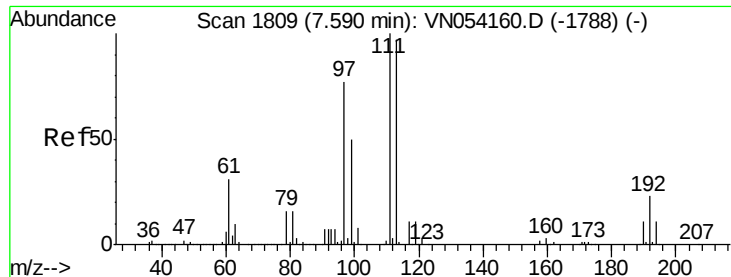
1000000

500000

0

Time--> 8.40 8.60 8.80





#35

Dibromofluoromethane

Concen: 43.852 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :

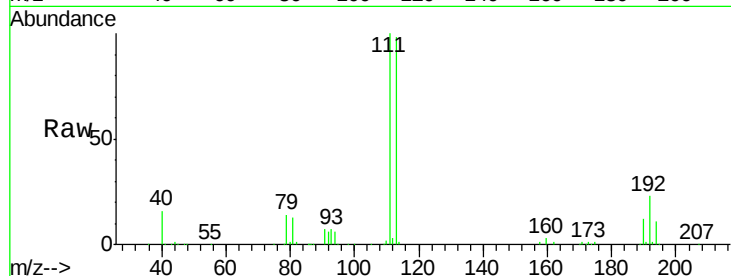
Tot Ion:113 Resp: 752868

Ion Ratio Lower Upper

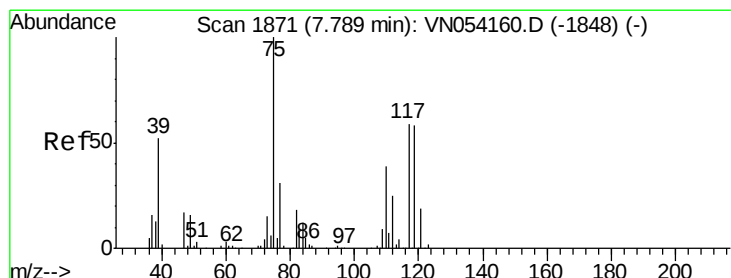
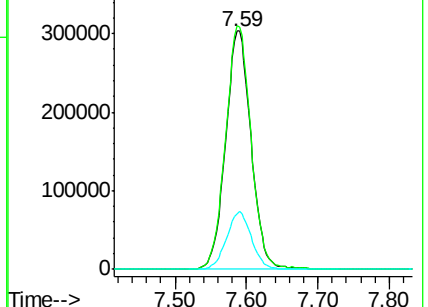
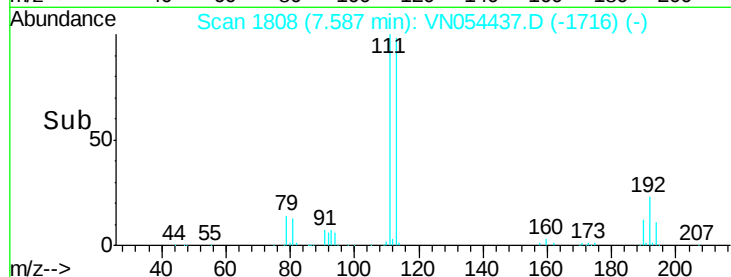
113 100

111 102.0 82.2 123.4

192 23.7 19.2 28.8



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: 4.224 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

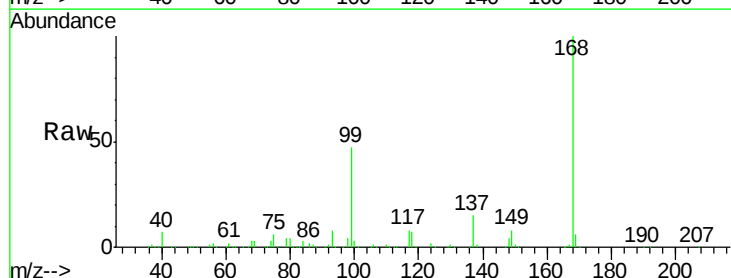
Tgt Ion: 75 Resp: 103551

Ion Ratio Lower Upper

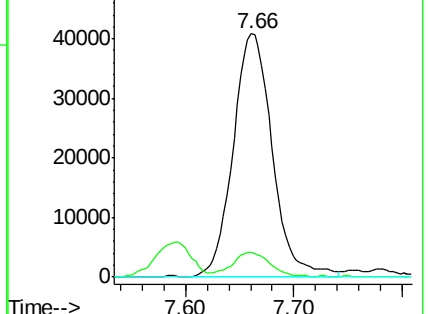
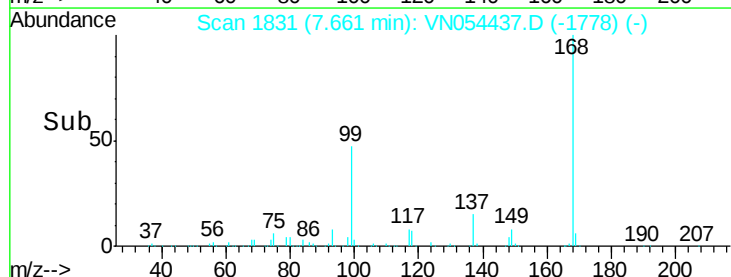
75 100

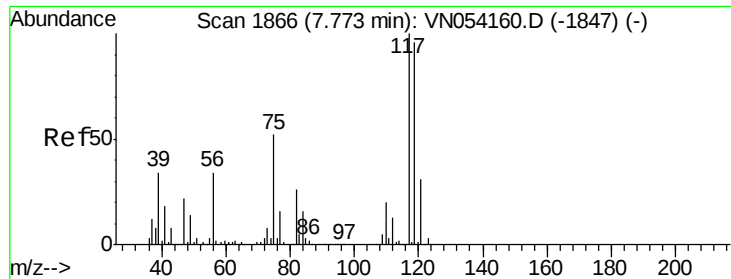
110 9.9 19.1 57.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO

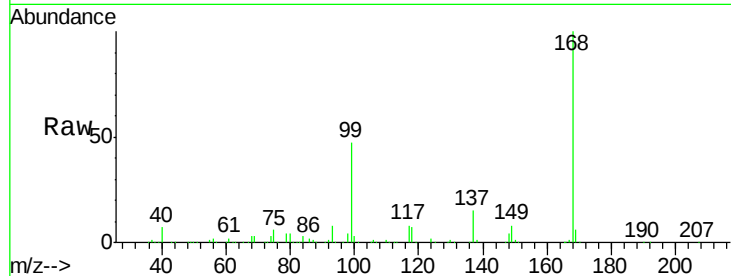




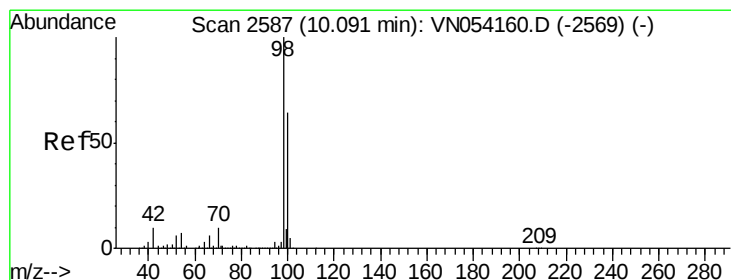
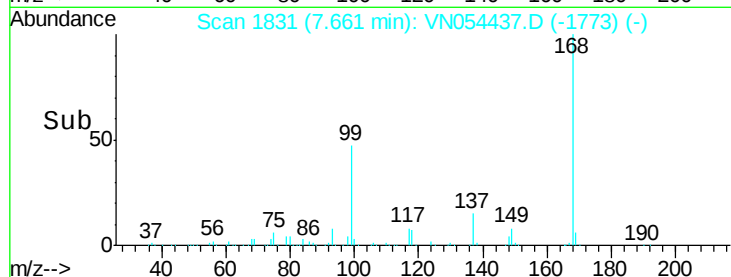
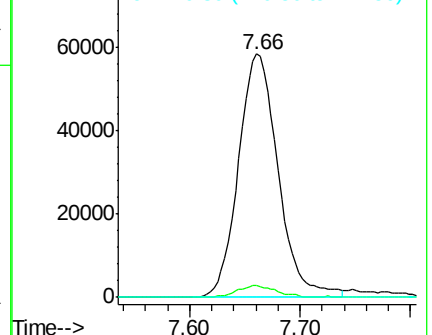
#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN054437.D
Acq: 19 Mar 2019 13:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 145921
Ion Ratio Lower Upper
117 100
119 4.7 76.3 114.5#
121 0.0 24.6 36.8#

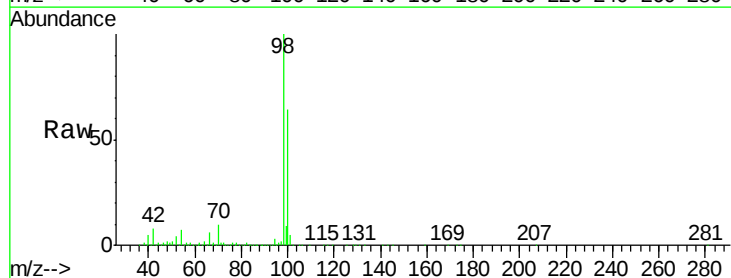


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

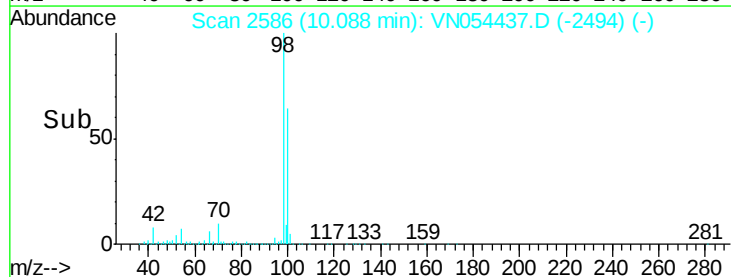
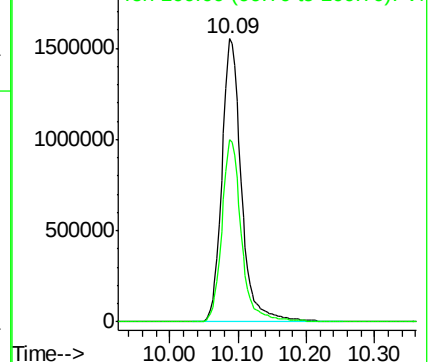


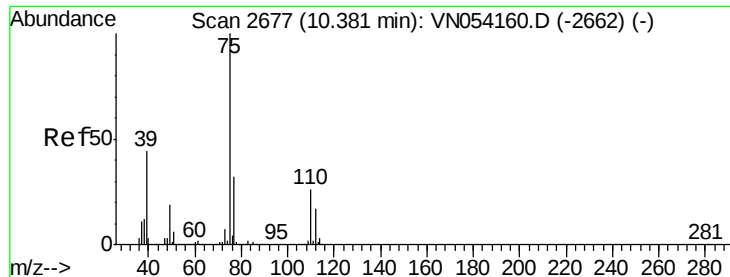
#50
Toluene-d8
Concen: 48.778 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054437.D
Acq: 19 Mar 2019 13:36

Tgt Ion: 98 Resp: 3092828
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.992 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

Instrument :

MSVOA_N

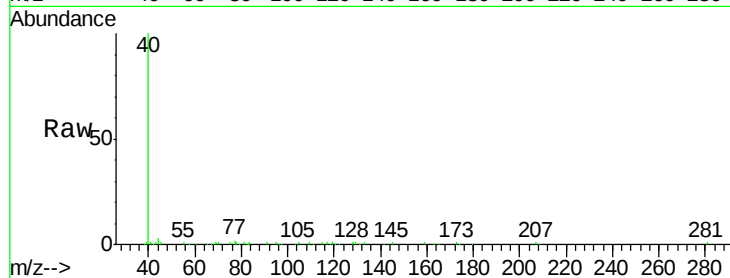
ClientSampled :

Tot Ion: 75 Resp: 174

Ion Ratio Lower Upper

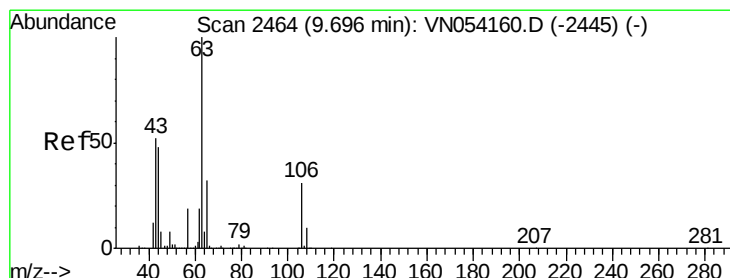
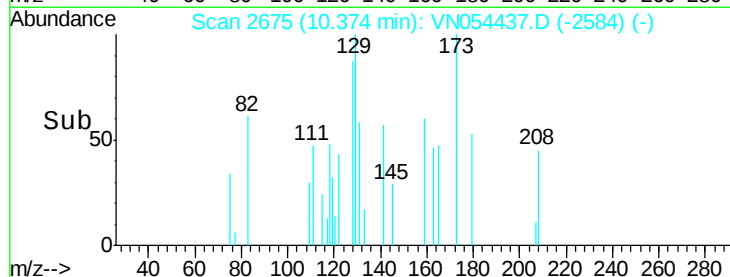
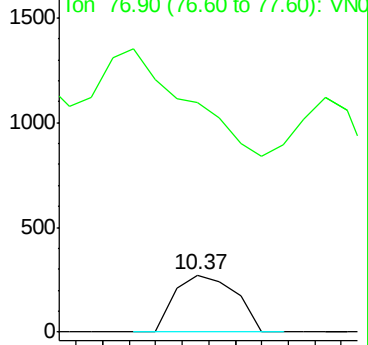
75 100

77 75.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 16.831 ug/l

RT: 9.74 min Scan# 2479

Delta R.T. 0.05 min

Lab File: VN054437.D

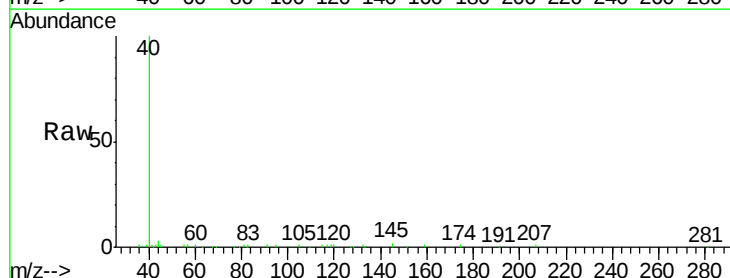
Acq: 19 Mar 2019 13:36

Tgt Ion: 63 Resp: 31

Ion Ratio Lower Upper

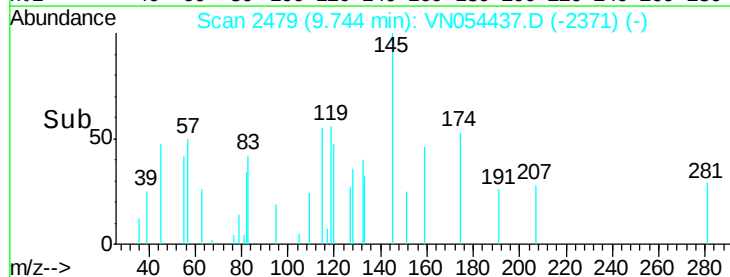
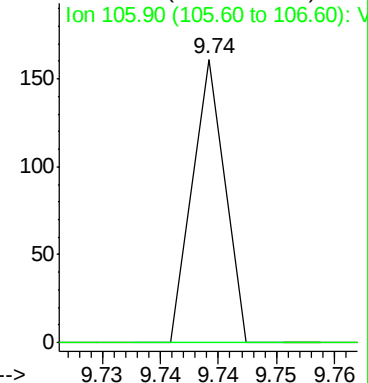
63 100

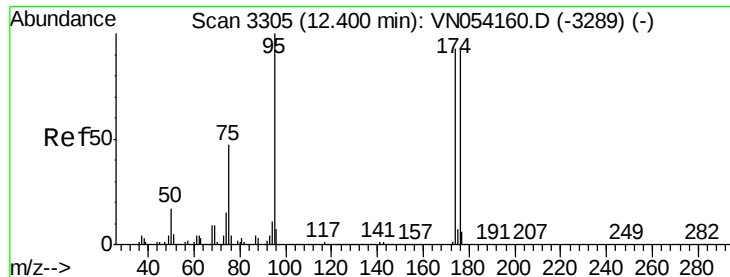
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 43.735 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

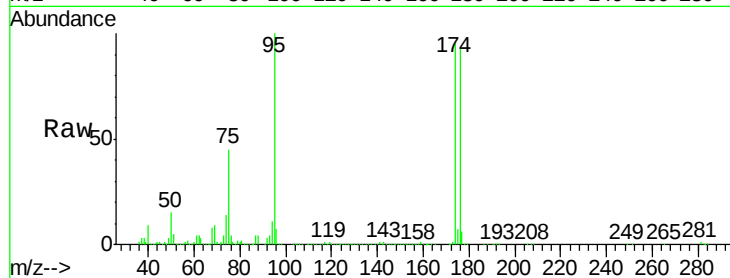
Tot Ion: 95 Resp: 970290

Ion Ratio Lower Upper

95 100

174 96.7 0.0 191.0

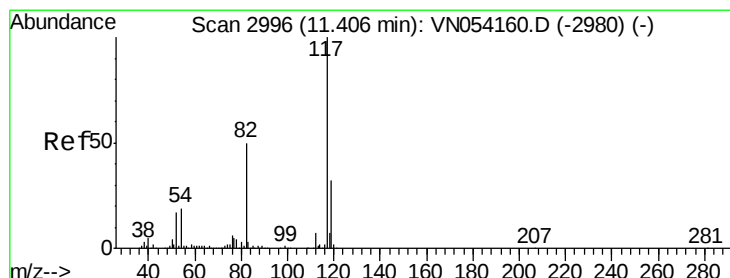
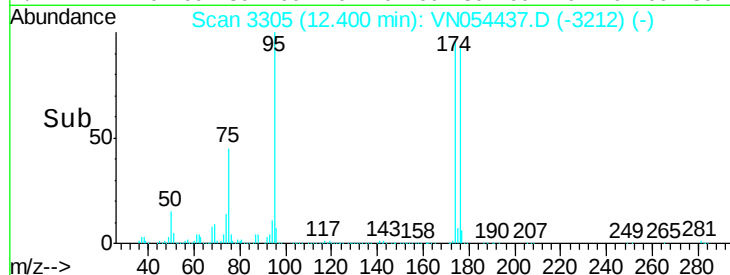
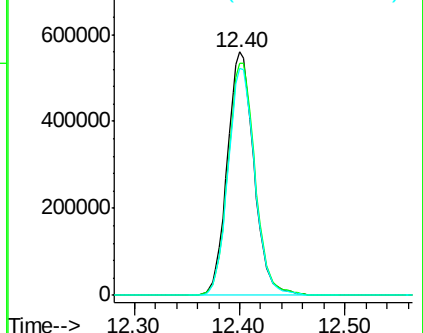
176 94.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054437.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054437.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054437.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

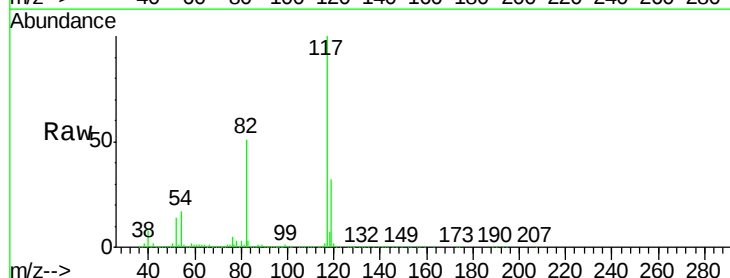
Tgt Ion: 117 Resp: 2286263

Ion Ratio Lower Upper

117 100

82 50.6 40.0 60.0

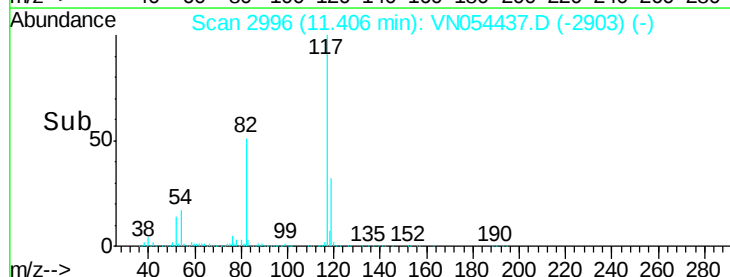
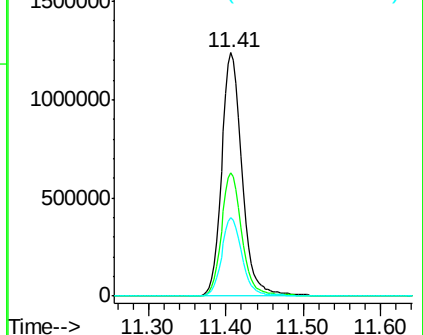
119 32.2 25.8 38.6

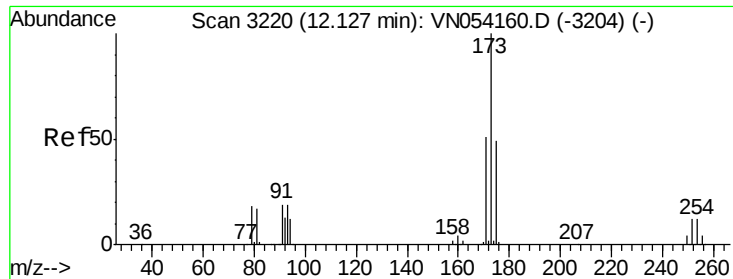


Abundance Ion 116.90 (116.60 to 117.60): VN054437.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054437.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054437.D (-2903) (-)

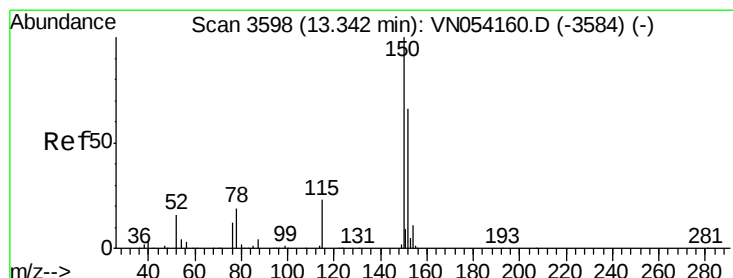
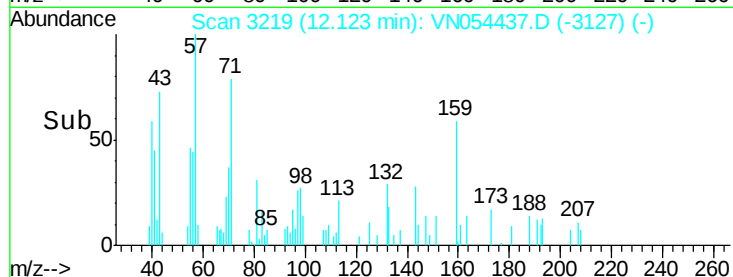
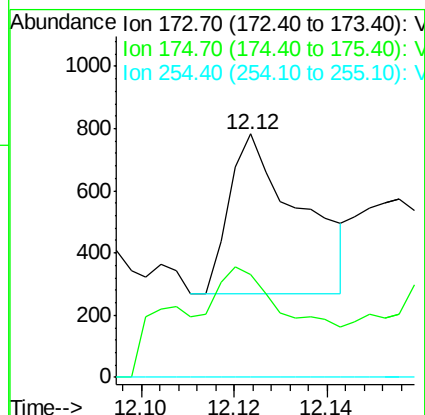
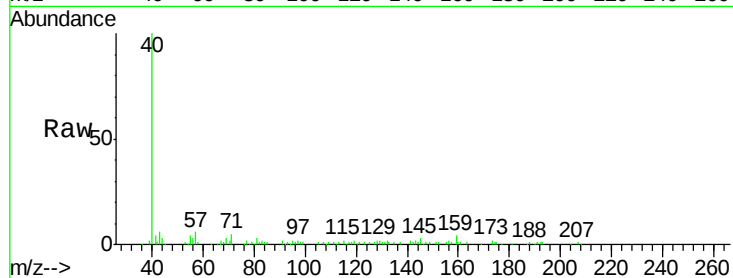




#71
Bromoform
Concen: 2.387 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN054437.D
Acq: 19 Mar 2019 13:36

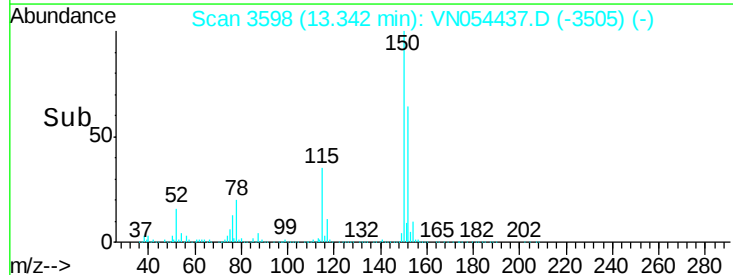
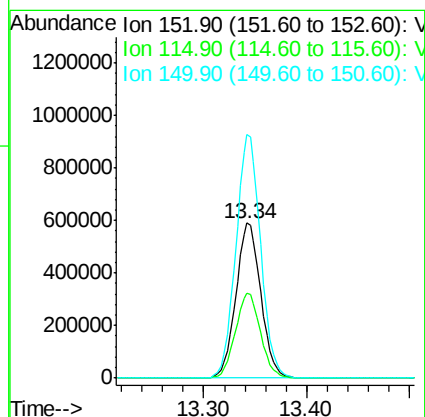
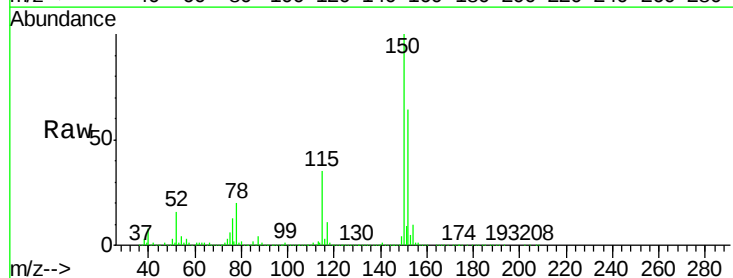
Instrument :
MSVOA_N
ClientSampled :

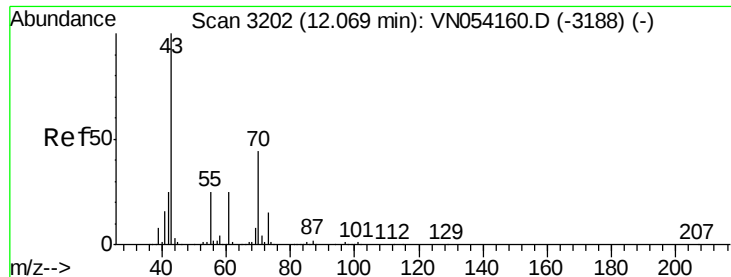
Tot Ion:173 Resp: 537
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054437.D
Acq: 19 Mar 2019 13:36

Tgt Ion:152 Resp: 988111
Ion Ratio Lower Upper
152 100
115 55.0 27.2 81.6
150 156.1 0.0 349.2





#74

N-amvl acetate

Concen: 0.386 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN054437.D

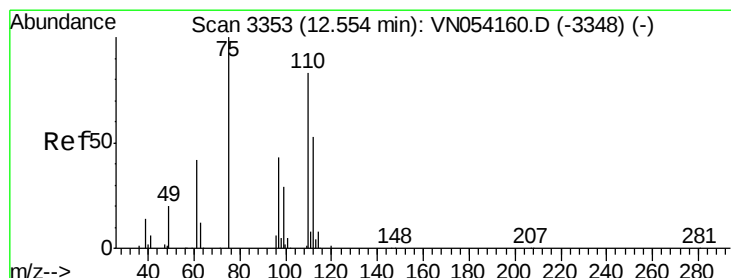
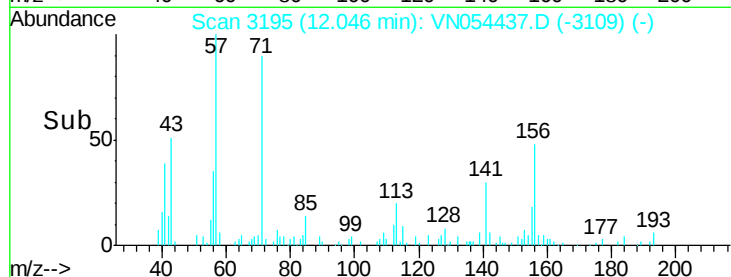
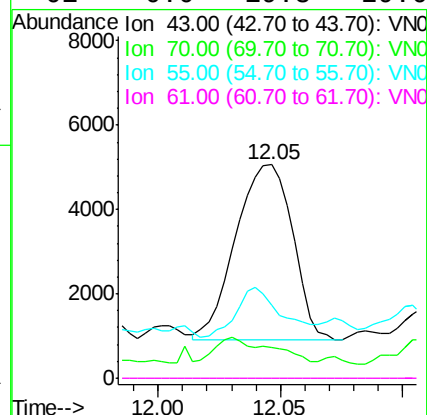
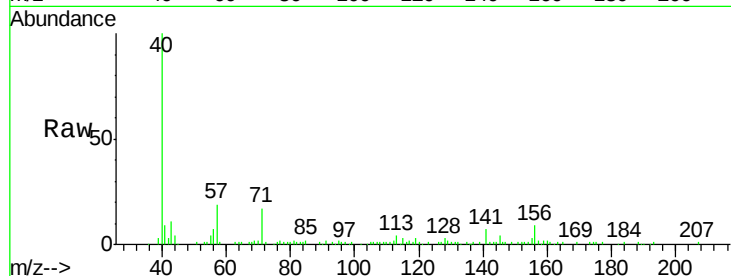
Acq: 19 Mar 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	6773
Ion	Ratio	Lower	Upper
43	100		
70	12.7	35.4	53.0#
55	23.5	19.8	29.6
61	0.0	19.8	29.6#



#76

1,2,3-Trichloropropane

Concen: 30.243 ug/l

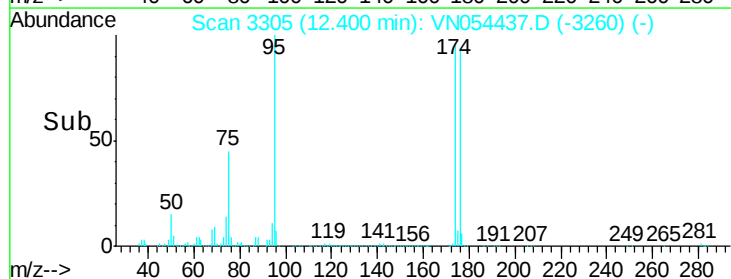
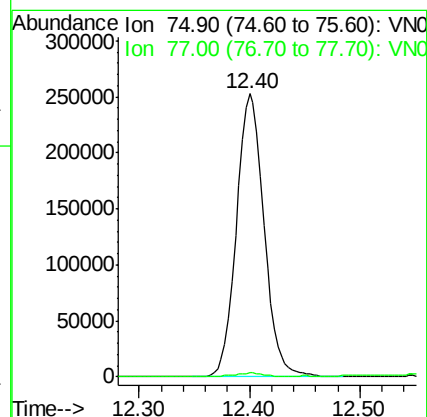
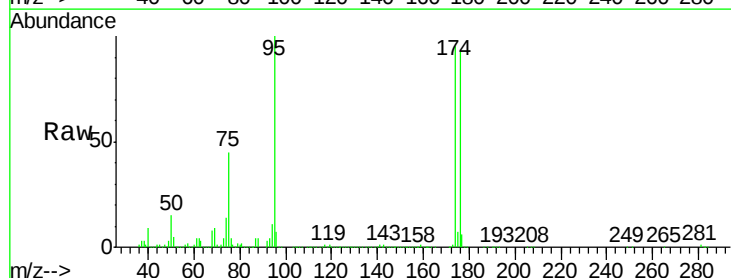
RT: 12.40 min Scan# 3305

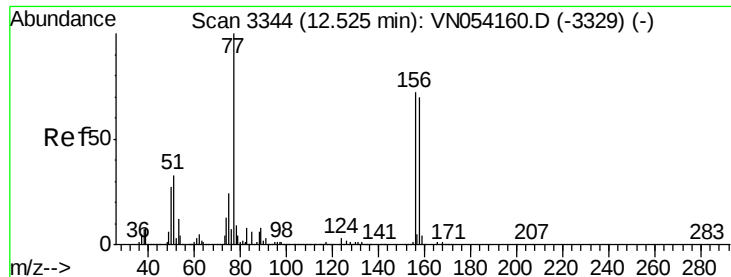
Delta R.T. -0.15 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

Tgt Ion:	75	Resp:	439446
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#77

Bromobenzene

Concen: 4.827 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.03 min

Lab File: VN054437.D

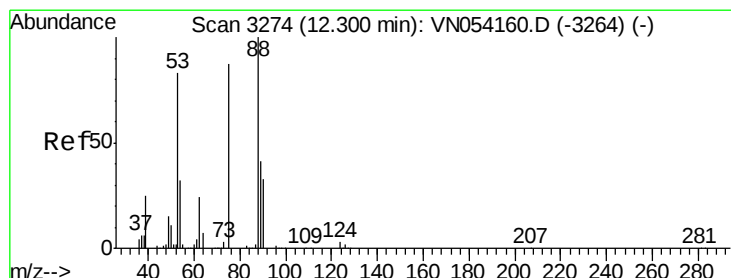
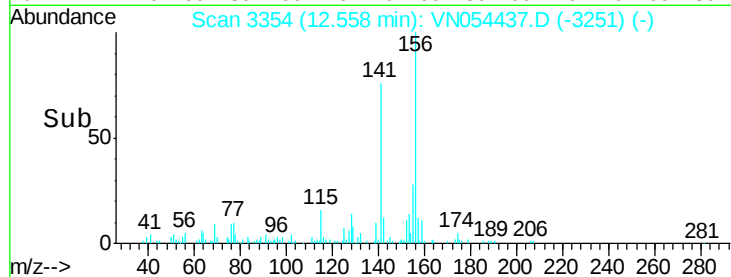
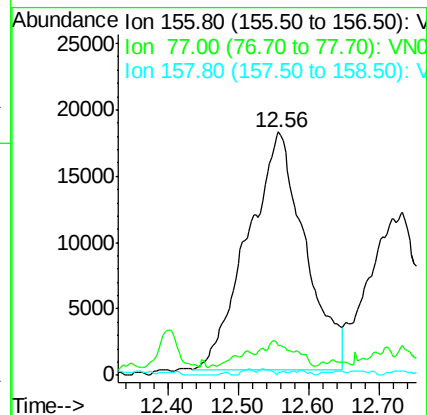
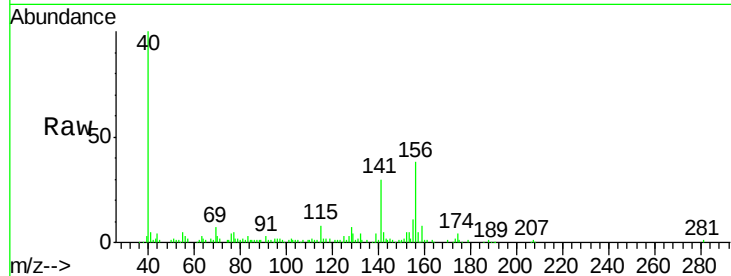
Acq: 19 Mar 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

Tot Ion	Ratio	Lower	Upper
156	100		
77	4.7	81.5	244.4#
158	0.2	49.0	147.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.383 ug/l

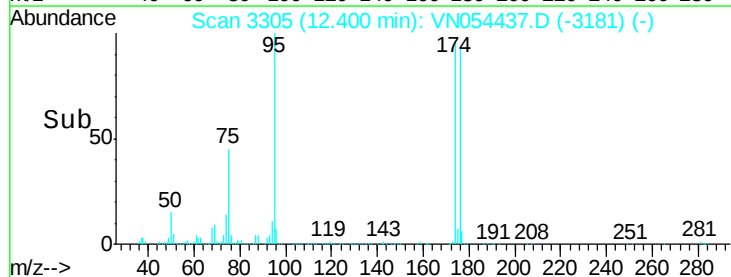
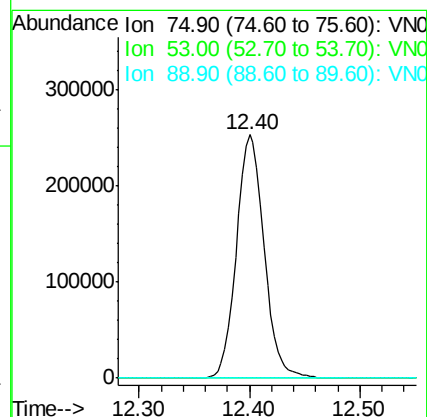
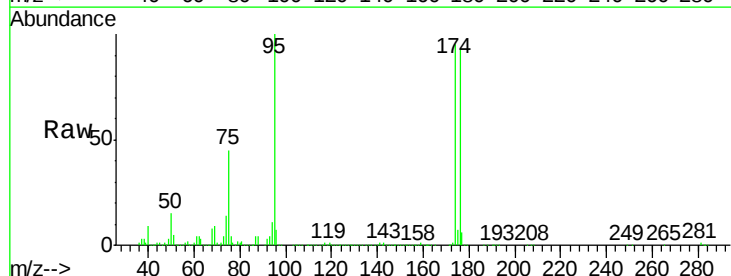
RT: 12.40 min Scan# 3305

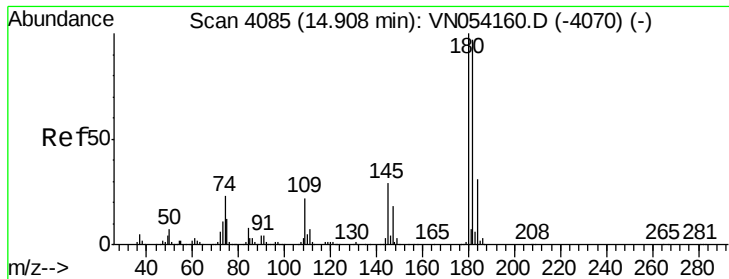
Delta R.T. 0.10 min

Lab File: VN054437.D

Acq: 19 Mar 2019 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	76.2	114.2#
89	0.1	39.2	58.8#

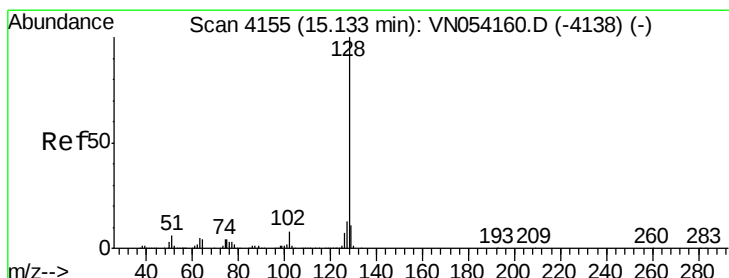
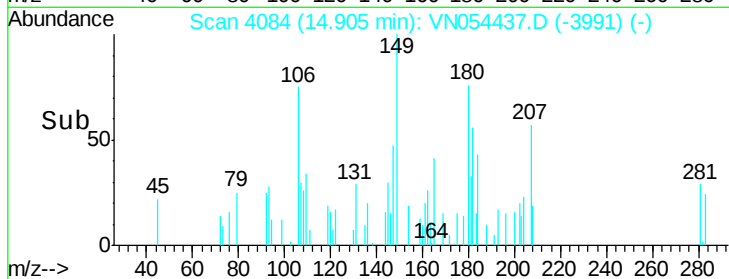
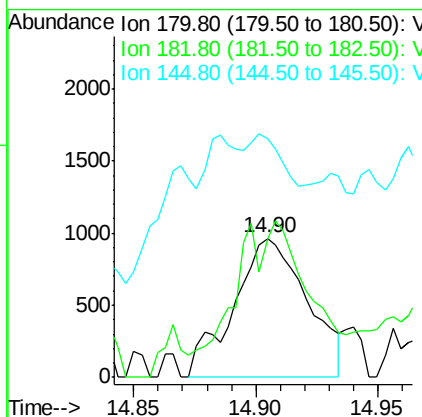
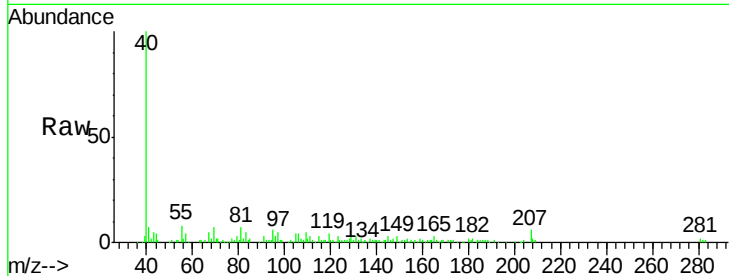




#93
 1,2,4-Trichlorobenzene
 Concen: 2.609 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054437.D
 Acq: 19 Mar 2019 13:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2015
 Ion Ratio Lower Upper
 180 100
 182 32.0 48.0 144.2#
 145 16.0 14.2 42.8



#95
 Naphthalene
 Concen: 3.700 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN054437.D
 Acq: 19 Mar 2019 13:36

Tgt Ion:128 Resp: 10746
 Ion Ratio Lower Upper
 128 100
 127 3.2 10.1 15.1#
 129 15.4 8.7 13.1#

