

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054721.D
 Acq On : 27 Mar 2019 14:50
 Operator : JC/SP
 Sample : K2086-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 28 04:36:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	551517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	869069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	749005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	275954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	353606	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.59	113	273214	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1061967	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	326205	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	

Target Compounds

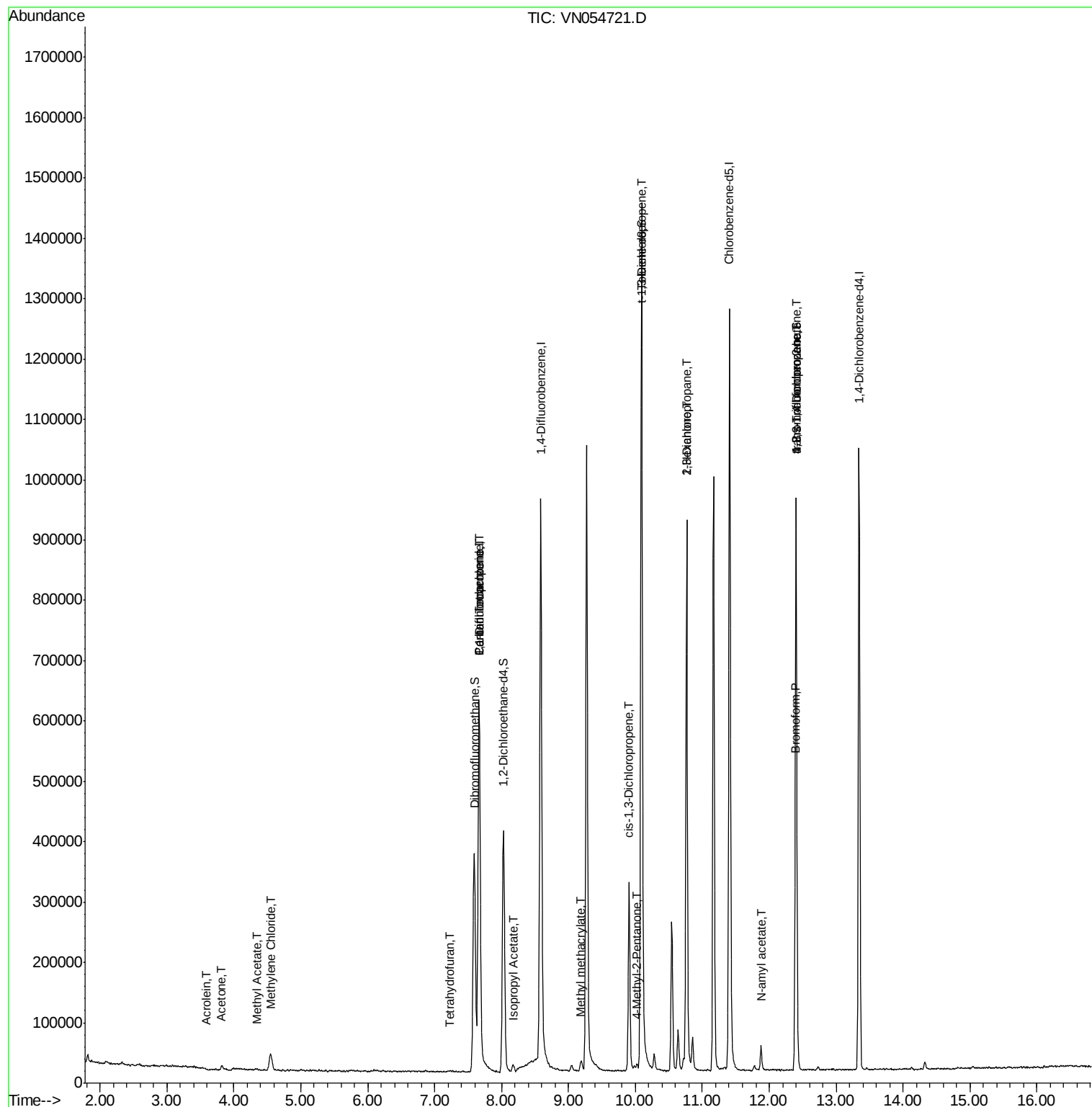
					Qvalue	
13) Acrolein	3.59	56	213	0.372	ug/l #	79
16) Acetone	3.82	43	11878	5.759	ug/l #	75
18) Methyl Acetate	4.34	43	2656	0.578	ug/l #	68
20) Methylene Chloride	4.55	84	17040	2.803	ug/l #	79
29) Tetrahydrofuran	7.22	42	921	0.537	ug/l #	42
31) Cyclohexane	7.66	56	11845	Below Cal	#	34
36) 1,1-Dichloropropene	7.67	75	40786	5.019	ug/l #	48
38) Carbon Tetrachloride	7.67	117	50791	6.432	ug/l #	17
43) Isopropyl Acetate	8.17	43	14506	1.486	ug/l	95
48) Methyl methacrylate	9.18	41	7322	1.382	ug/l #	11
51) 4-Methyl-2-Pentanone	10.02	43	7688	1.421	ug/l #	36
53) t-1,3-Dichloropropene	10.11	75	118	2.246	ug/l #	23
54) cis-1,3-Dichloropropene	9.90	75	51324	5.794	ug/l #	70
57) 1,3-Dichloropropane	10.77	76	9594	1.074	ug/l #	43
59) 2-Hexanone	10.77	43	151035	42.746	ug/l #	47
71) Bromoform	12.38	173	52	2.234	ug/l #	28
74) N-amyl acetate	11.88	43	14059	2.199	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	170618	38.963	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	170618	128.971	ug/l #	11

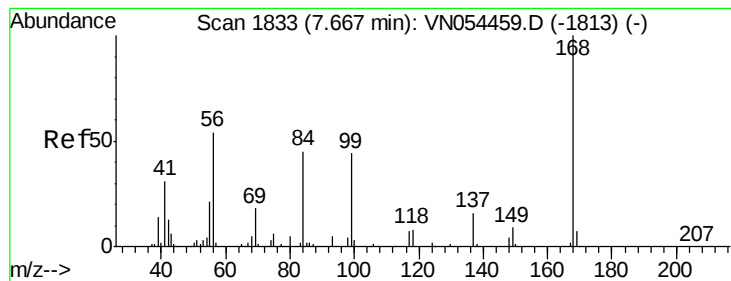
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

Instrument :

MSVOA_N

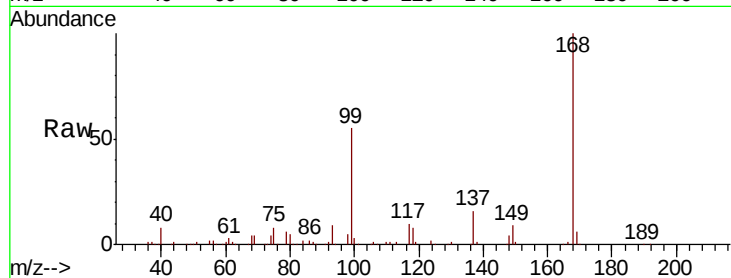
ClientSampled :

Tot Ion:168 Resp: 551517

Ion Ratio Lower Upper

168 100

99 55.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

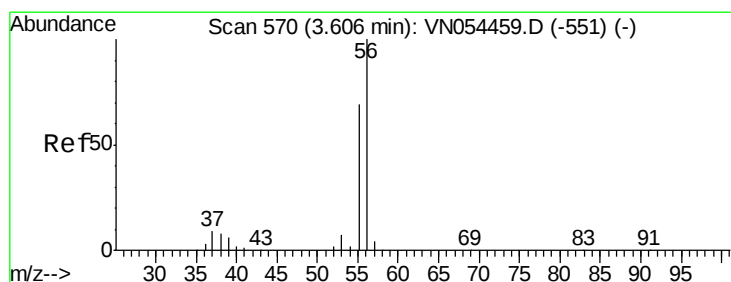
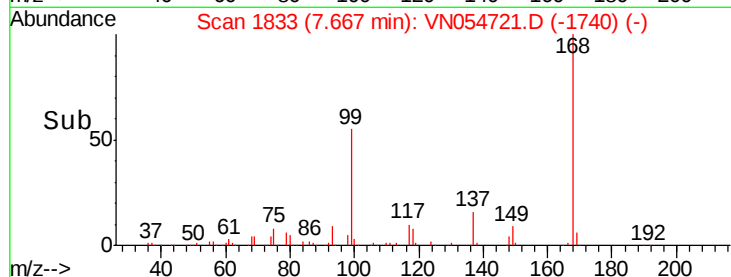
100000

50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#13

Acrolein

Concen: 0.372 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN054721.D

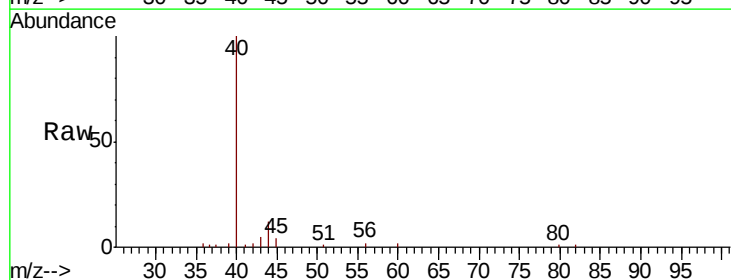
Acq: 27 Mar 2019 14:50

Tgt Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 88.3 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.59

300

250

200

150

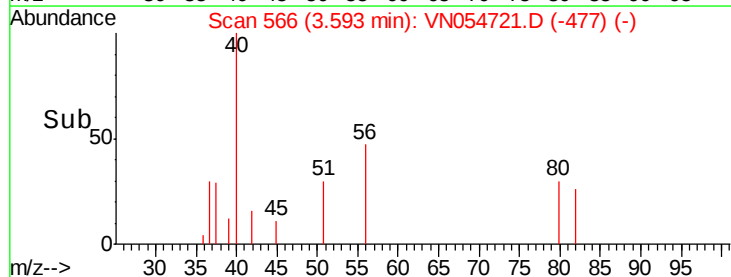
100

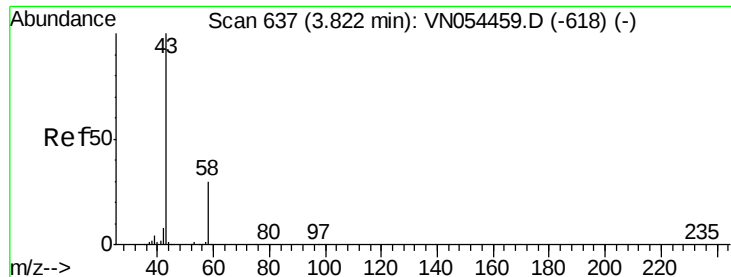
50

0

Time-->

3.58 3.59 3.60 3.61

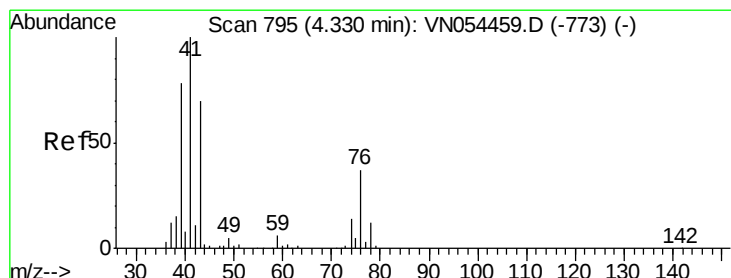
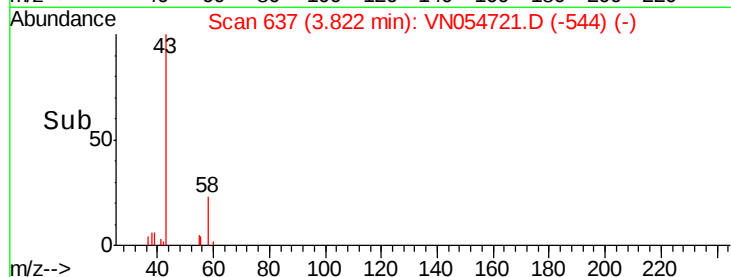
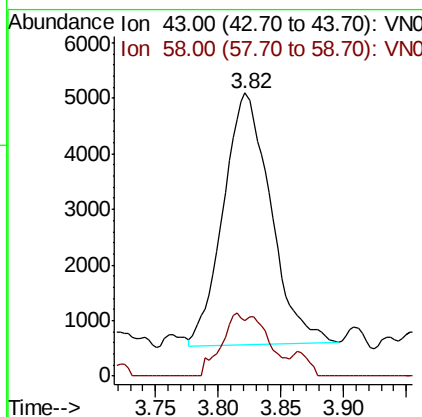
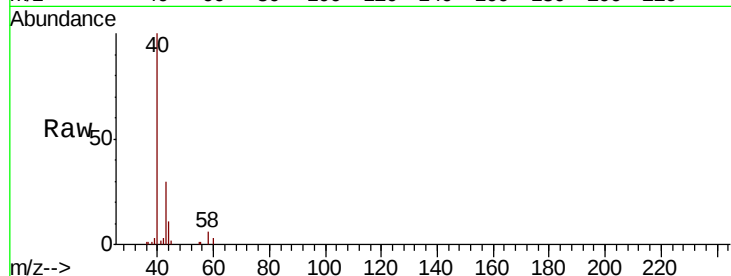




#16
Acetone
Concen: 5.759 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

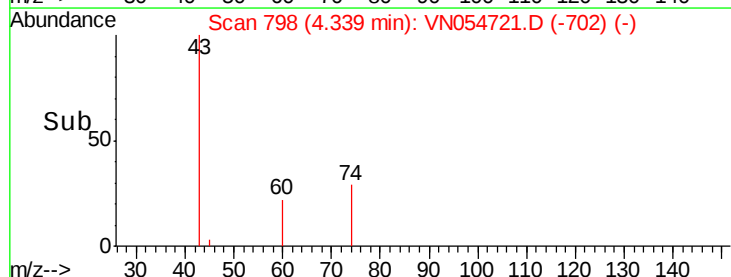
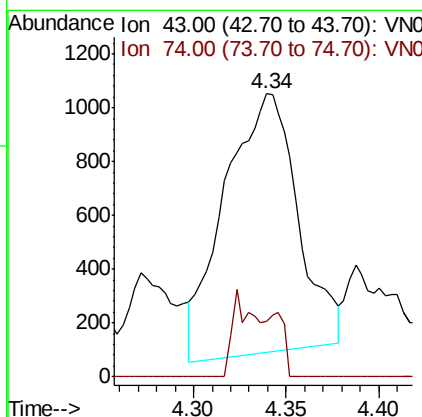
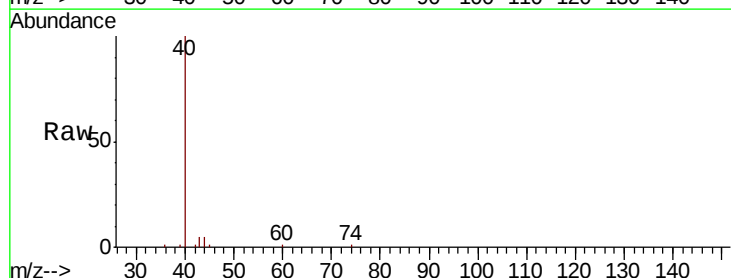
Instrument :
MSVOA_N
ClientSampleId :

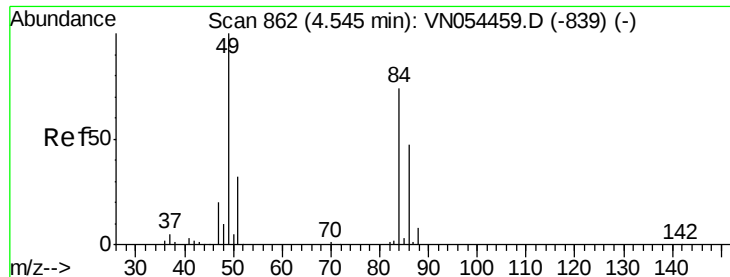
Tot Ion: 43 Resp: 11878
Ion Ratio Lower Upper
43 100
58 22.5 29.9 44.9#



#18
Methyl Acetate
Concen: 0.578 ug/l
RT: 4.34 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

Tgt Ion: 43 Resp: 2656
Ion Ratio Lower Upper
43 100
74 9.8 20.8 31.2#

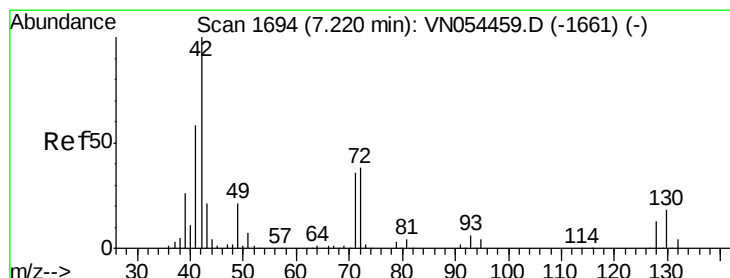
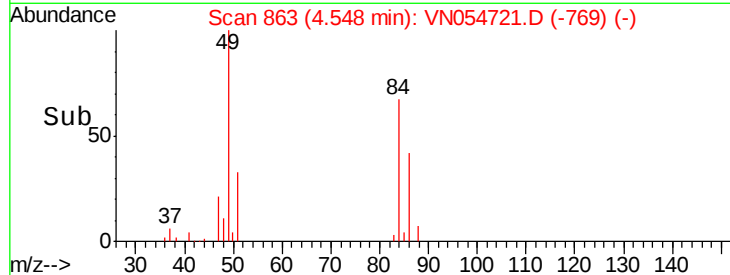
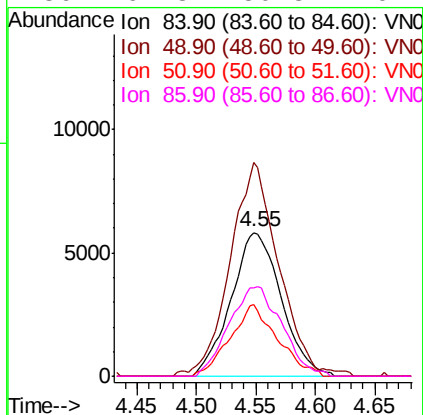
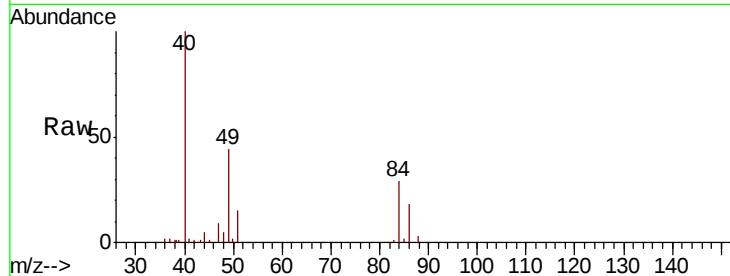




#20
Methvlene Chloride
Concen: 2.803 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

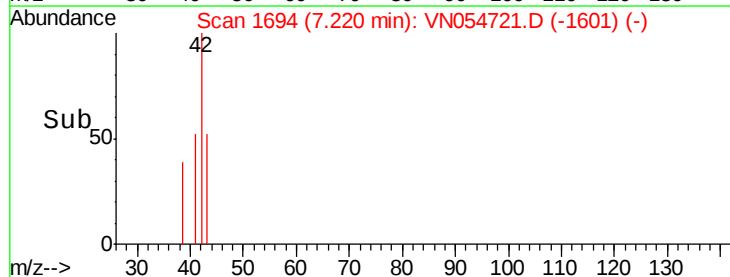
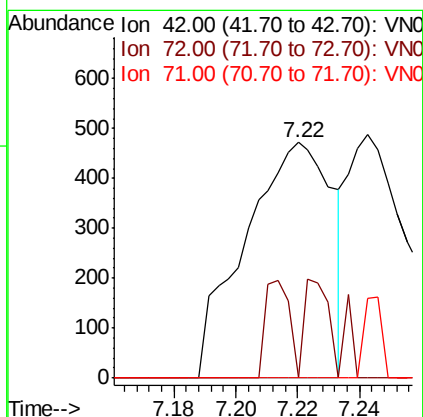
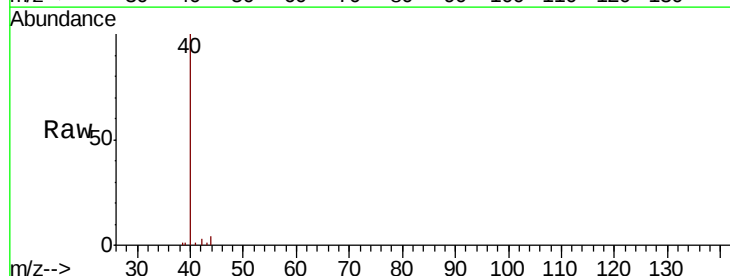
Instrument :
MSVOA_N
ClientSampled :

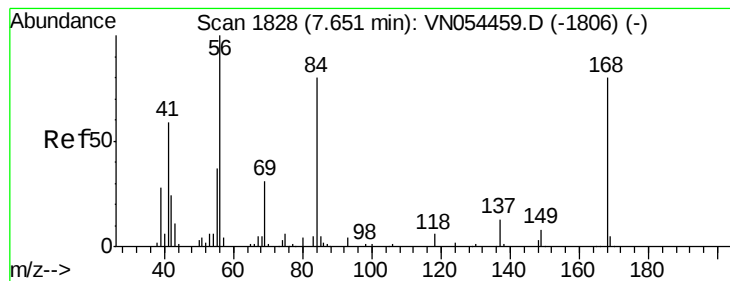
Tot Ion: 84 Resp: 17040
Ion Ratio Lower Upper
84 100
49 145.5 89.7 134.5#
51 49.7 28.2 42.4#
86 61.8 50.8 76.2



#29
Tetrahydrofuran
Concen: 0.537 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

Tgt Ion: 42 Resp: 921
Ion Ratio Lower Upper
42 100
72 14.8 37.8 56.6#
71 0.0 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

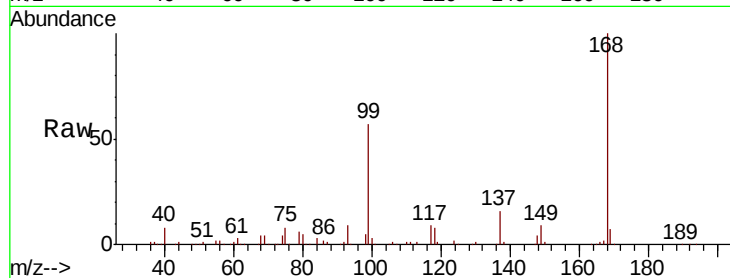
Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

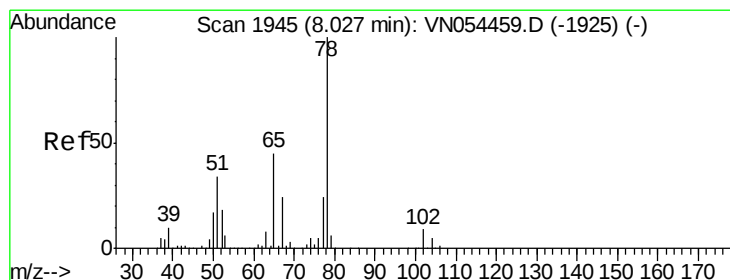
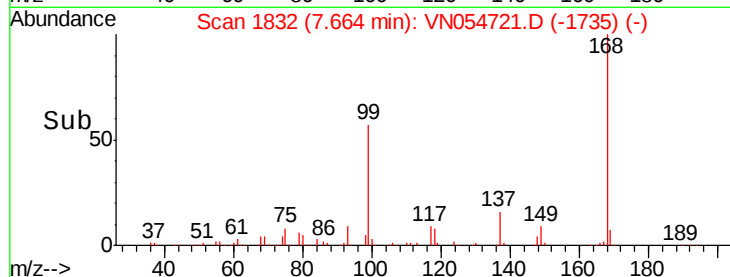
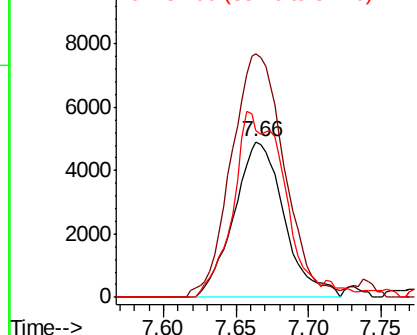
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 11845

Ion	Ratio	Lower	Upper
56	100		
69	152.3	27.8	41.6#
84	107.7	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: 51.546 ug/l

RT: 8.03 min Scan# 1945

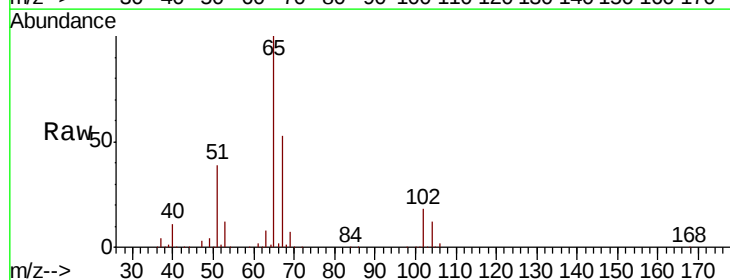
Delta R.T. -0.00 min

Lab File: VN054721.D

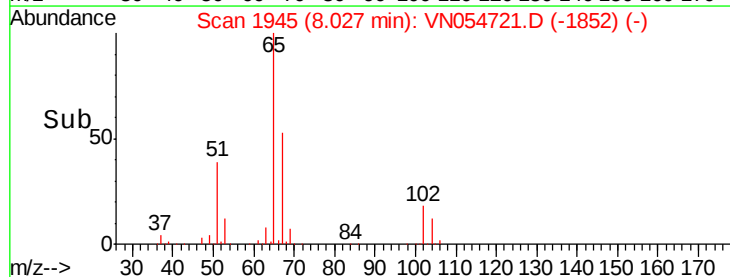
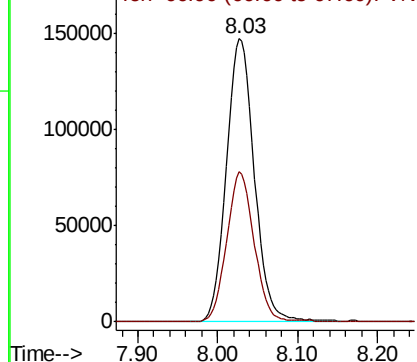
Acq: 27 Mar 2019 14:50

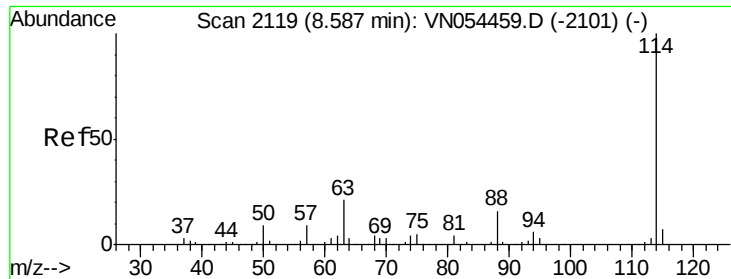
Tgt Ion: 65 Resp: 353606

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

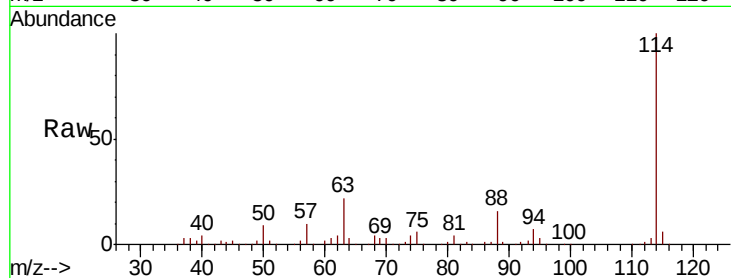




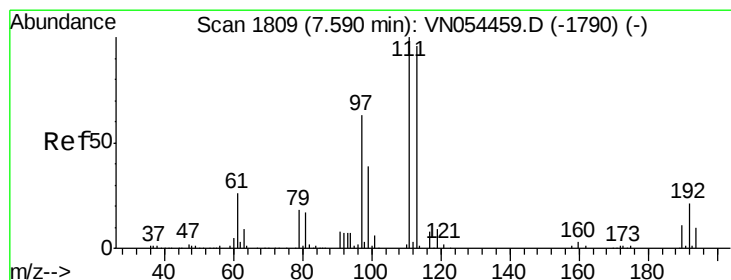
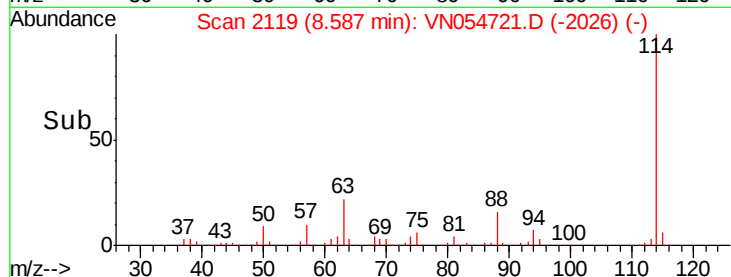
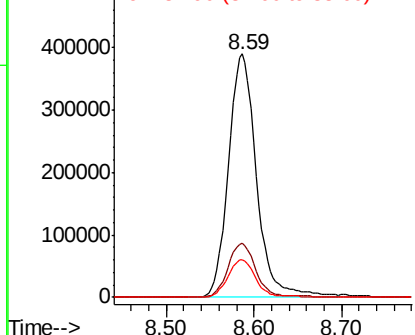
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 869069
Ion Ratio Lower Upper
114 100
63 22.0 0.0 35.2
88 15.6 0.0 30.2

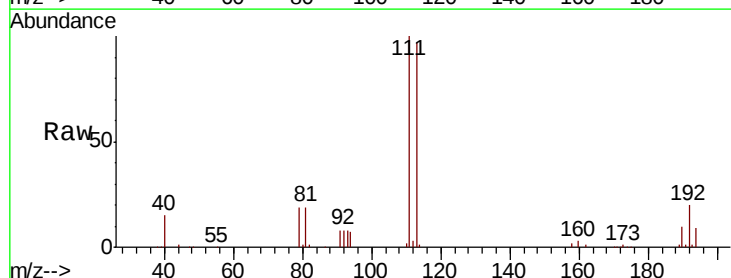


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

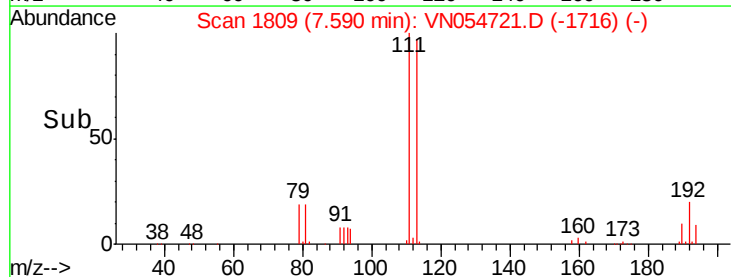
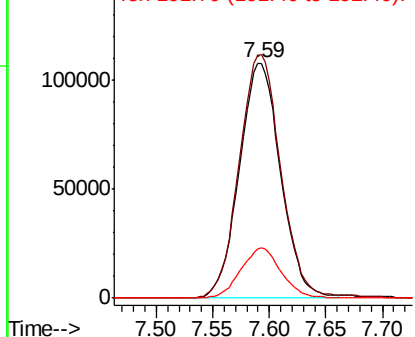


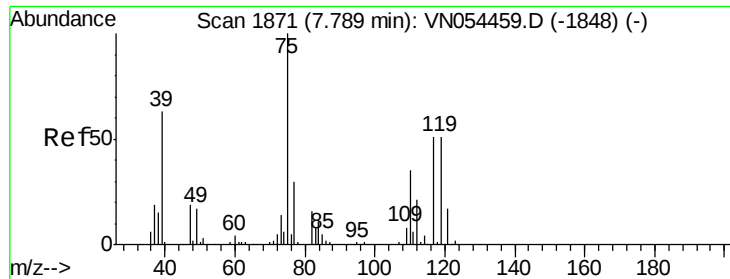
#35
Dibromofluoromethane
Concen: 48.797 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

Tgt Ion:113 Resp: 273214
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.4
192 21.0 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

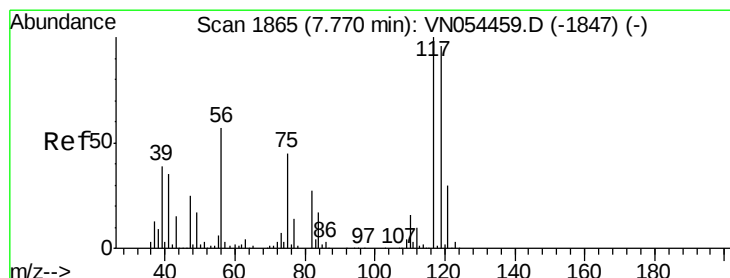
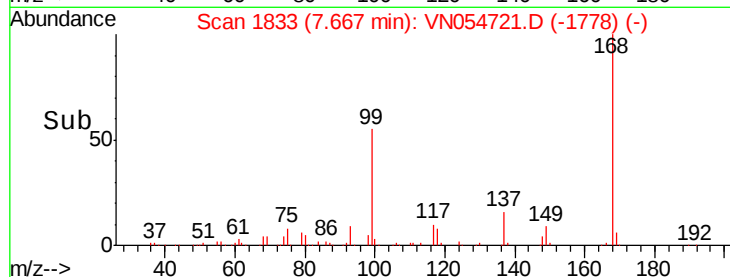
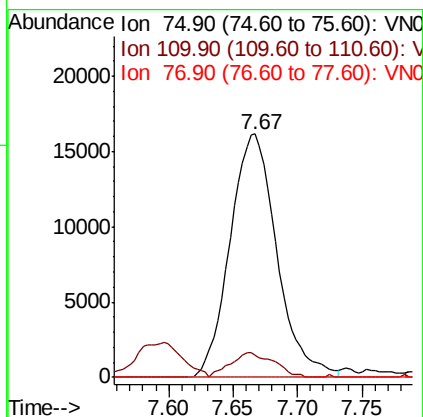
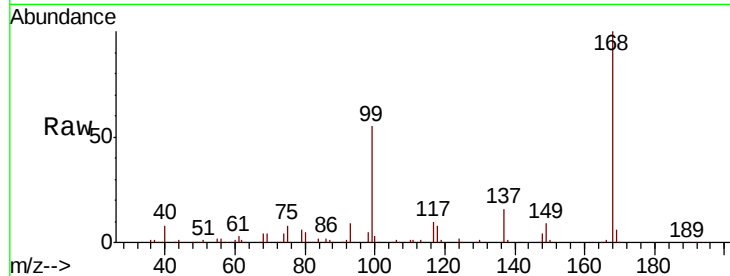




#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054721.D
 Acq: 27 Mar 2019 14:50

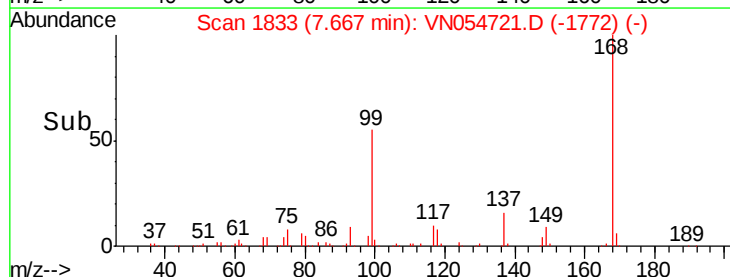
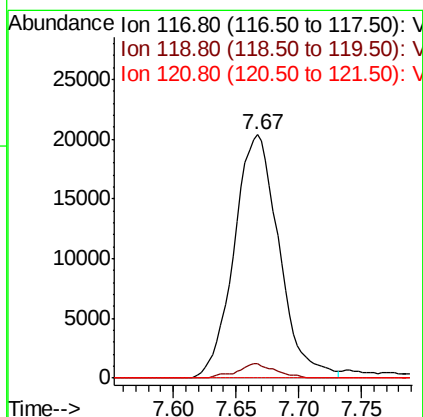
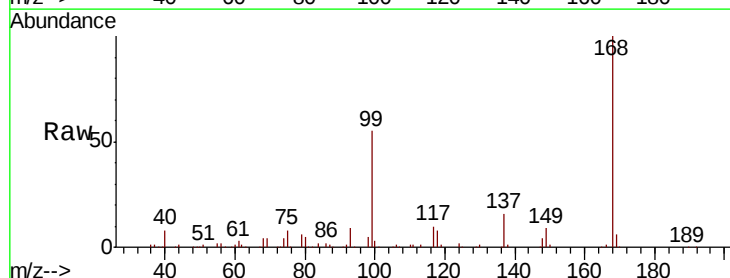
Instrument :
 MSVOA_N
 ClientSampleId :

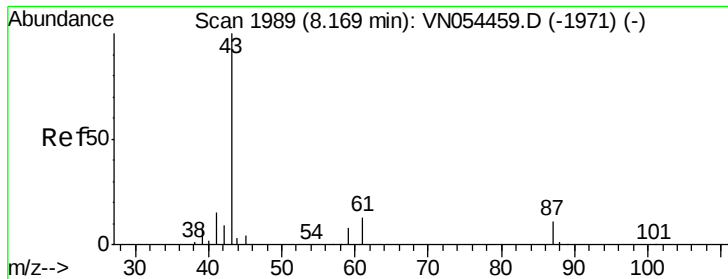
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.432 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054721.D
 Acq: 27 Mar 2019 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 1.486 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

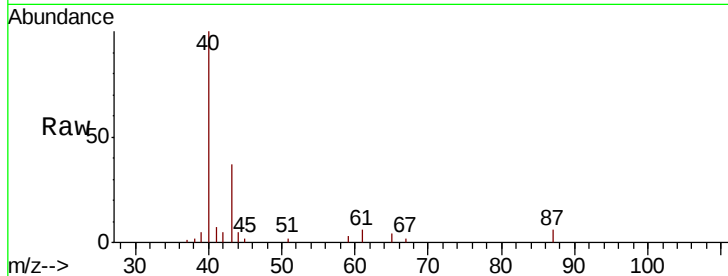
Tot Ion: 43 Resp: 14506

Ion Ratio Lower Upper

43 100

61 17.9 15.8 23.8

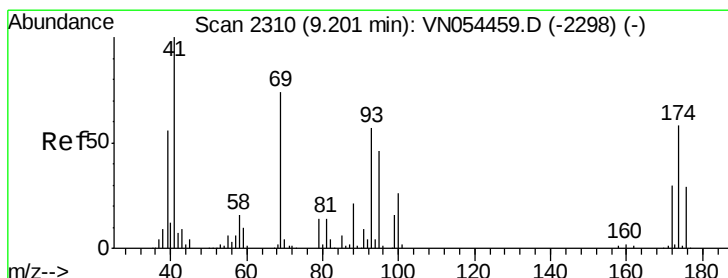
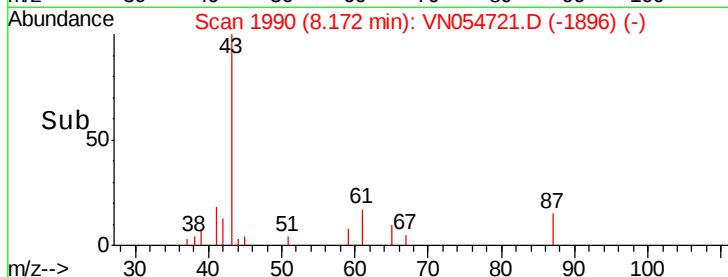
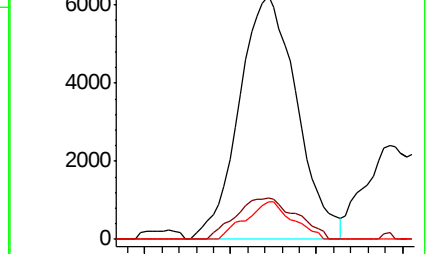
87 12.4 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054721.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN054721.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN054721.D (-1990) (-)



#48

Methyl methacrylate

Concen: 1.382 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

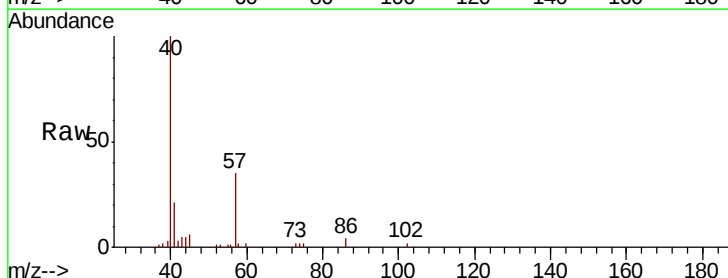
Tgt Ion: 41 Resp: 7322

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

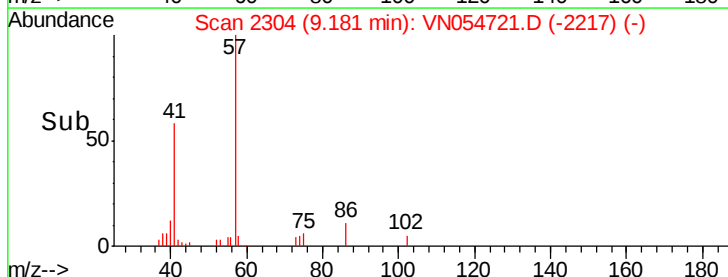
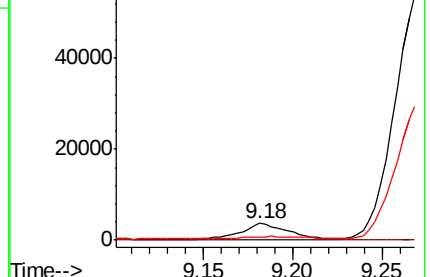
39 0.0 47.5 71.3#

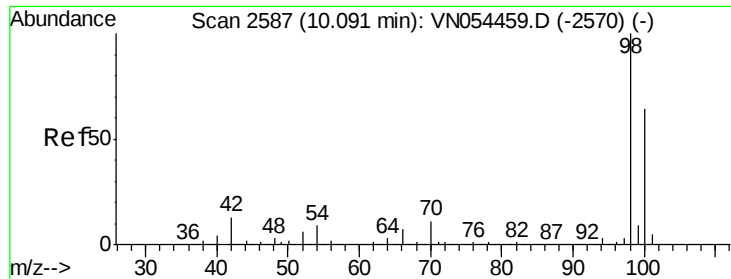


Abundance Ion 41.00 (40.70 to 41.70): VN054721.D (-2304) (-)

Ion 69.00 (68.70 to 69.70): VN054721.D (-2304) (-)

Ion 39.00 (38.70 to 39.70): VN054721.D (-2304) (-)

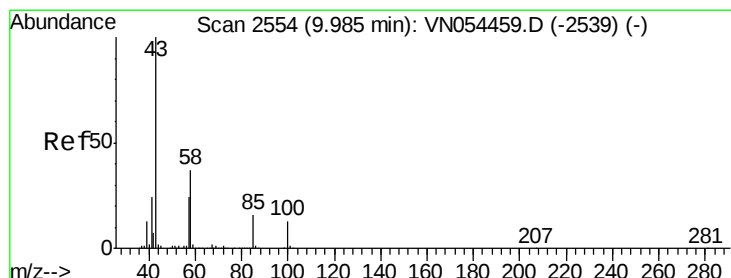
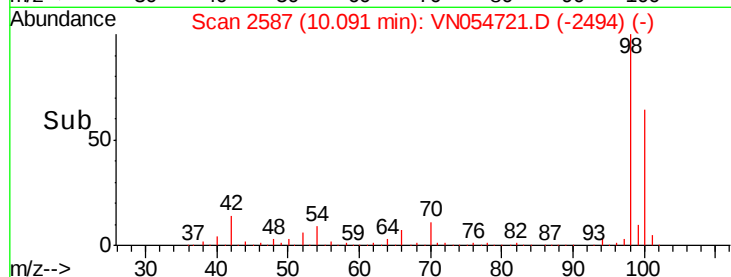
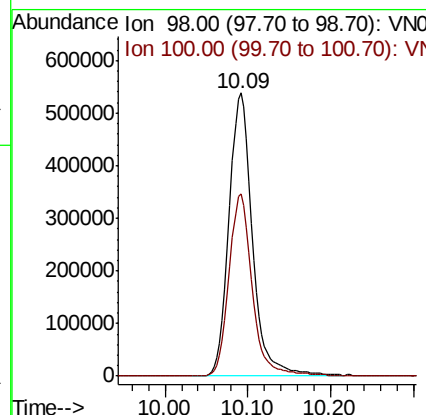
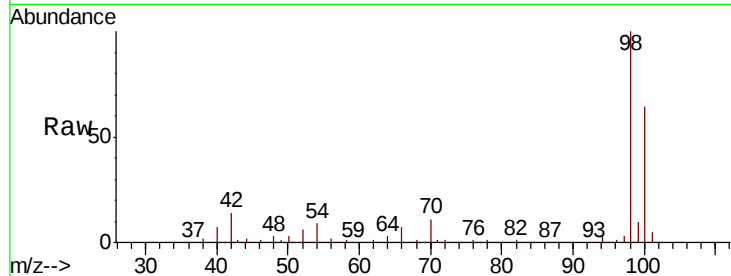




#50
Toluene-d8
Concen: 50.453 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

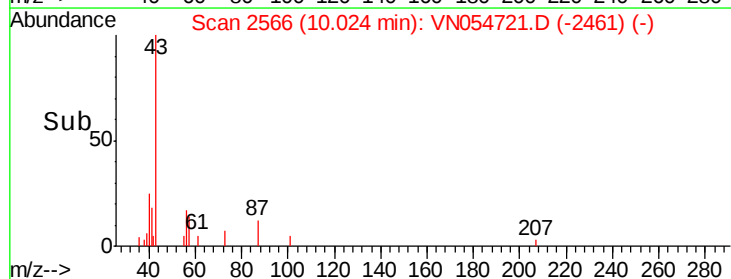
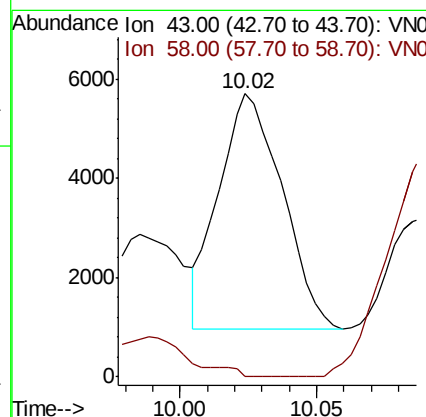
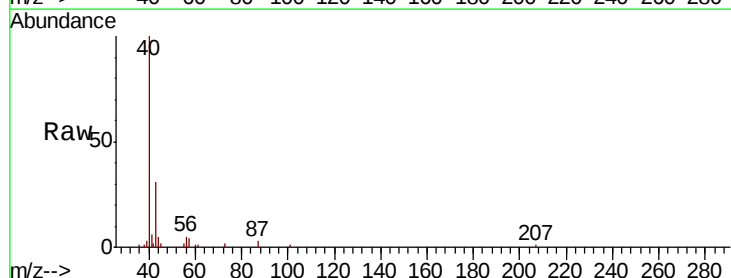
Instrument :
MSVOA_N
ClientSampled :

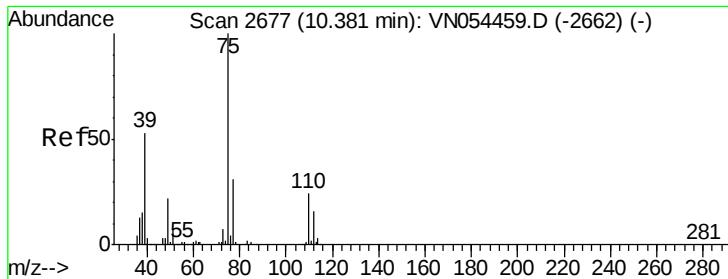
Tot Ion: 98 Resp: 1061967
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.421 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

Tgt Ion: 43 Resp: 7688
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.6#





#53

t-1,3-Dichloropropene

Concen: 2.246 ug/l

RT: 10.11 min Scan# 2592

Delta R.T. -0.27 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

Instrument :

MSVOA_N

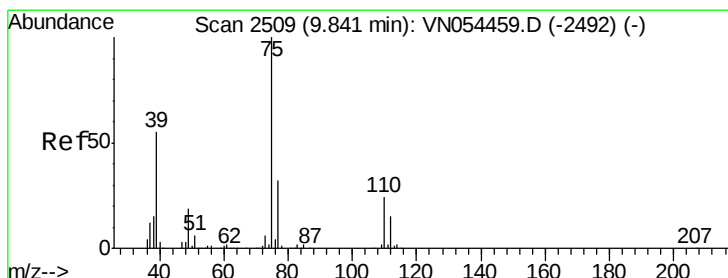
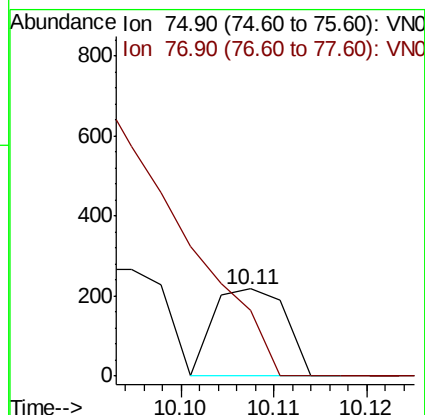
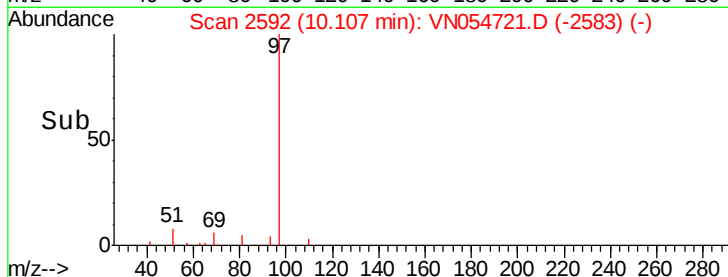
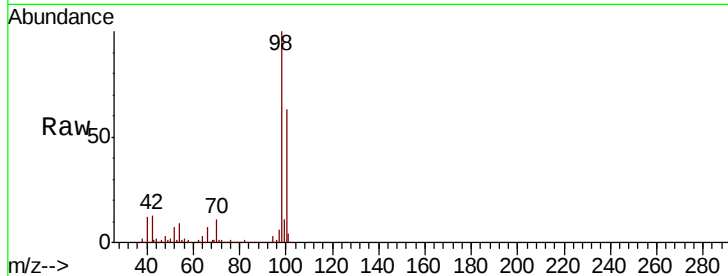
ClientSampled :

Tot Ion: 75 Resp: 118

Ion Ratio Lower Upper

75 100

77 75.2 25.8 38.8#



#54

cis-1,3-Dichloropropene

Concen: 5.794 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

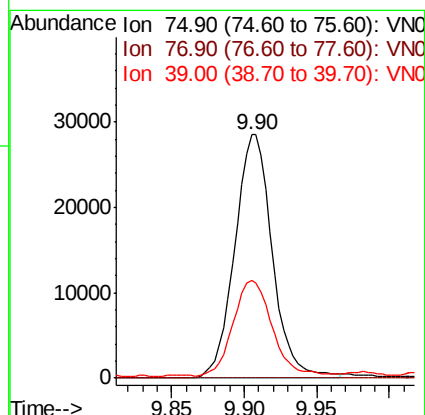
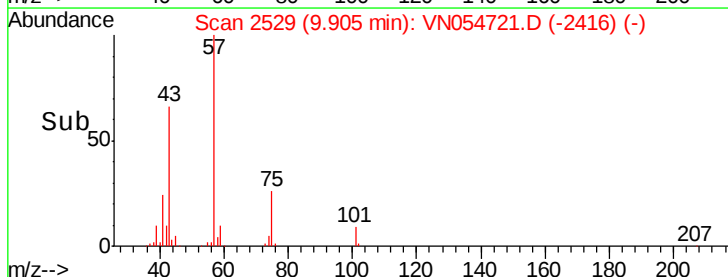
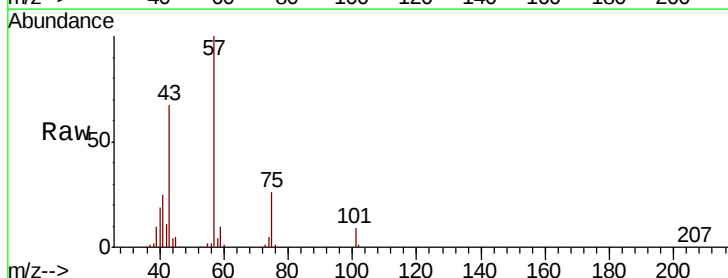
Tgt Ion: 75 Resp: 51324

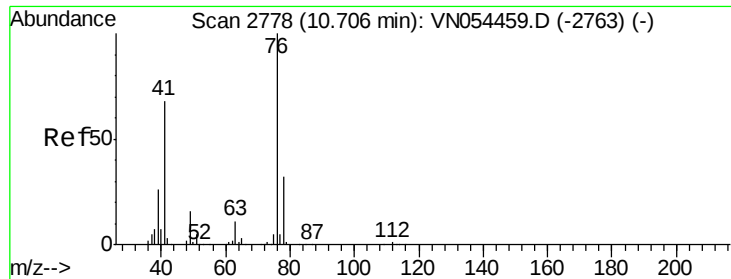
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 39.1 37.2 55.8

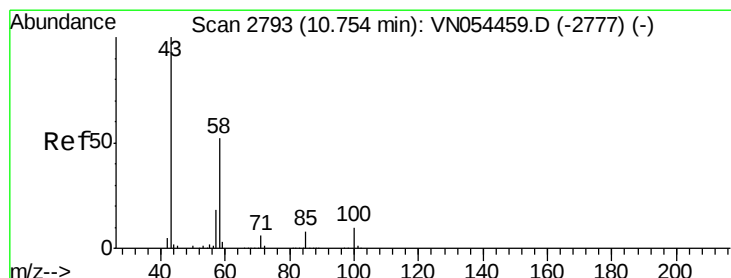
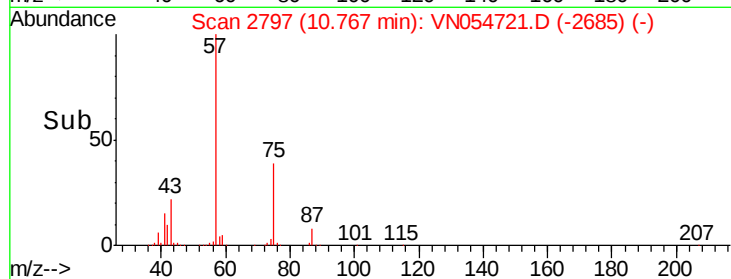
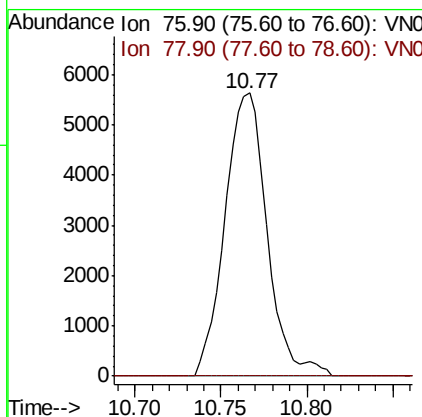
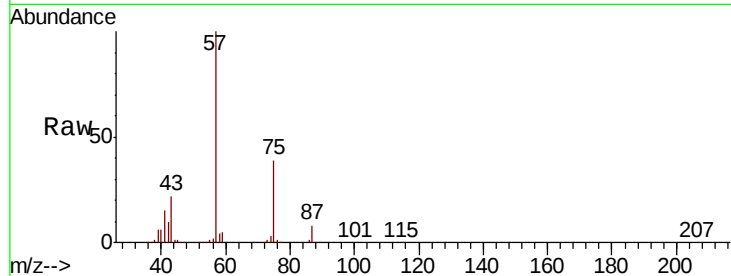




#57
 1,3-Dichloropropane
 Concen: 1.074 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054721.D
 Acq: 27 Mar 2019 14:50

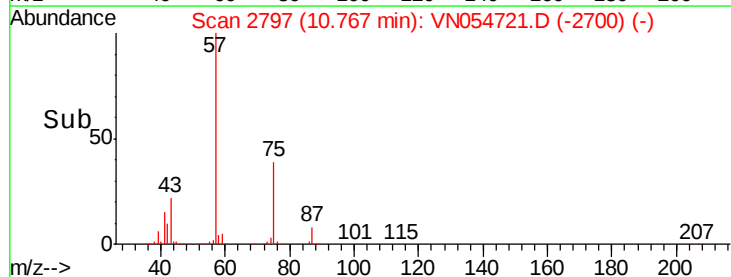
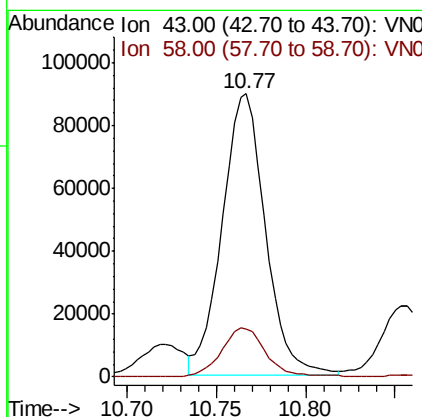
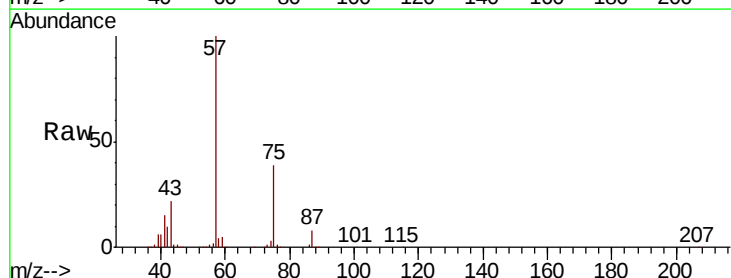
Instrument :
 MSVOA_N
 ClientSampled :

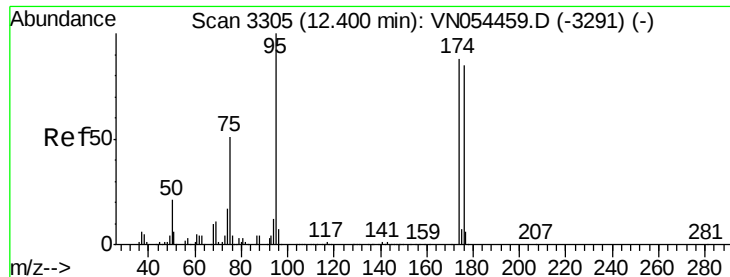
Tot Ion: 76 Resp: 9594
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 42.746 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054721.D
 Acq: 27 Mar 2019 14:50

Tgt Ion: 43 Resp: 151035
 Ion Ratio Lower Upper
 43 100
 58 17.6 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 45.543 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

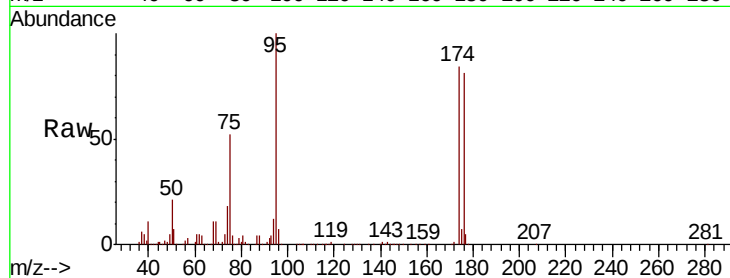
Tot Ion: 95 Resp: 326205

Ion Ratio Lower Upper

95 100

174 83.9 0.0 191.0

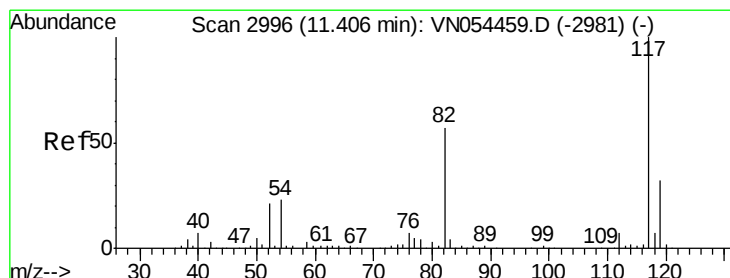
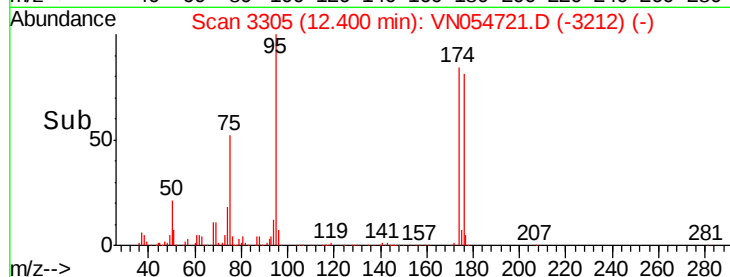
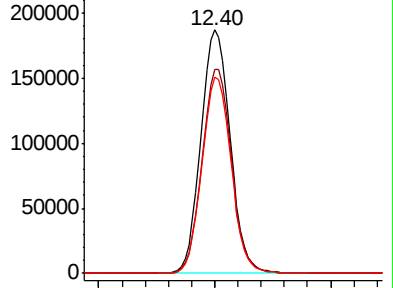
176 80.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054721.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054721.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054721.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

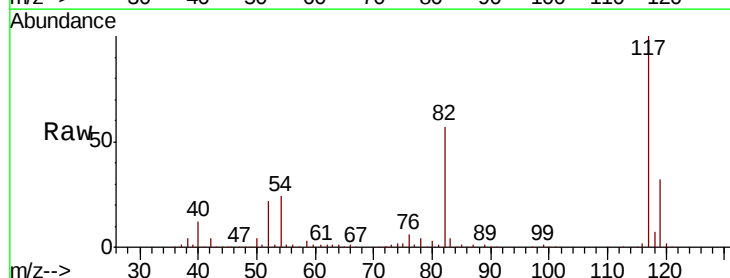
Tgt Ion: 117 Resp: 749005

Ion Ratio Lower Upper

117 100

82 56.9 40.0 60.0

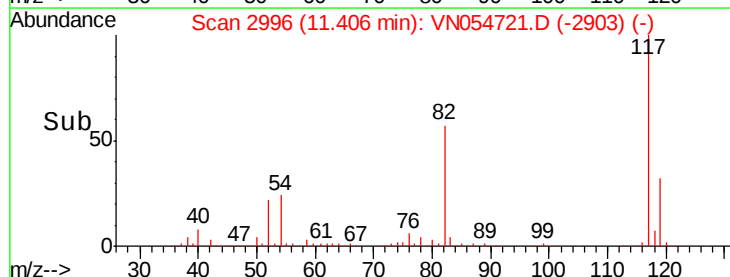
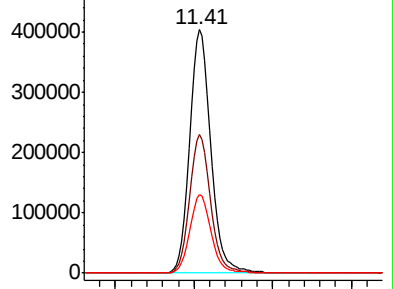
119 32.4 25.8 38.6

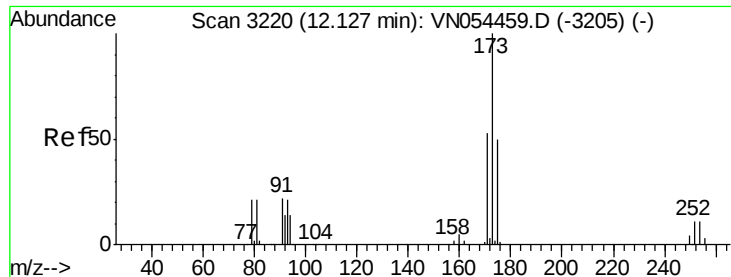


Abundance Ion 116.90 (116.60 to 117.60): VN054721.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054721.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054721.D (-2903) (-)





#71

Bromoform

Concen: 2.234 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.25 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

Instrument :

MSVOA_N

ClientSampled :

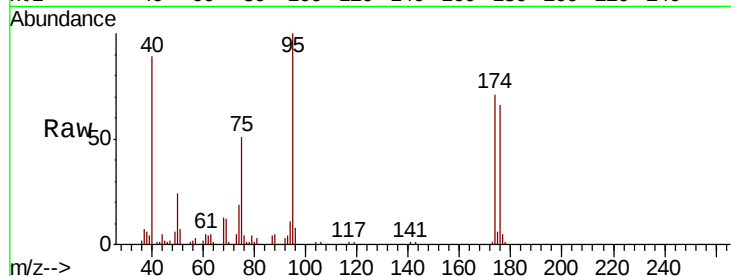
Tot Ion:173 Resp: 52

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

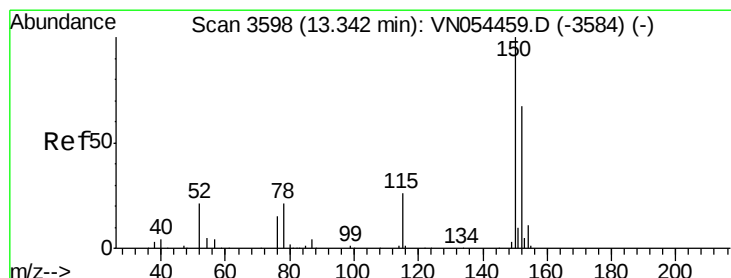
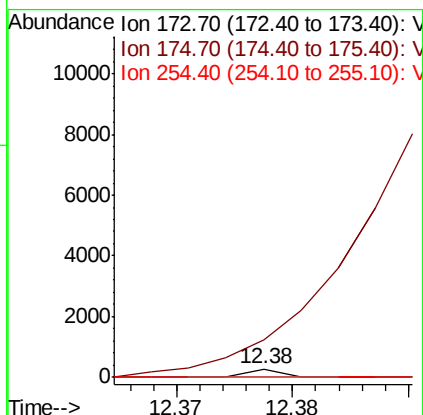
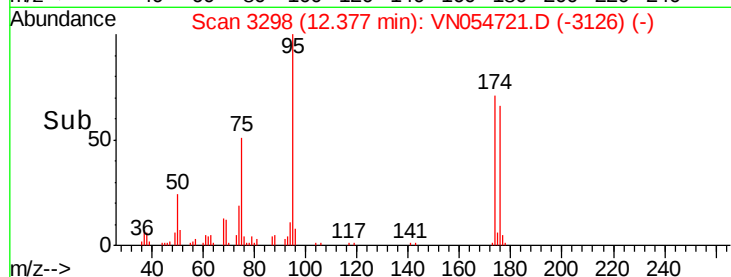
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054721.D

Acq: 27 Mar 2019 14:50

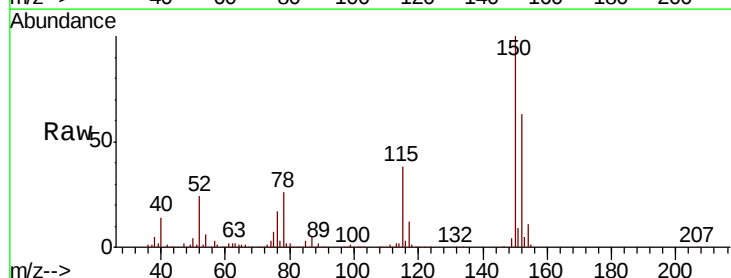
Tgt Ion:152 Resp: 275954

Ion Ratio Lower Upper

152 100

115 58.5 27.2 81.6

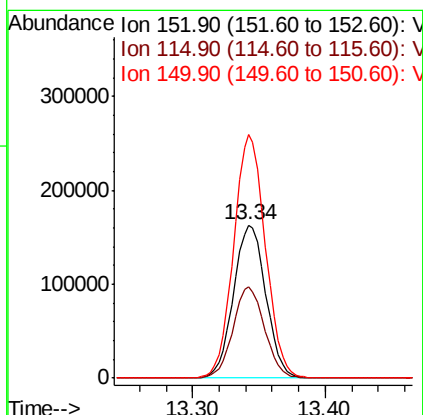
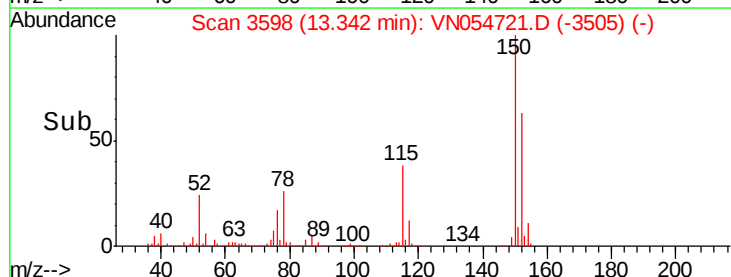
150 155.9 0.0 349.2

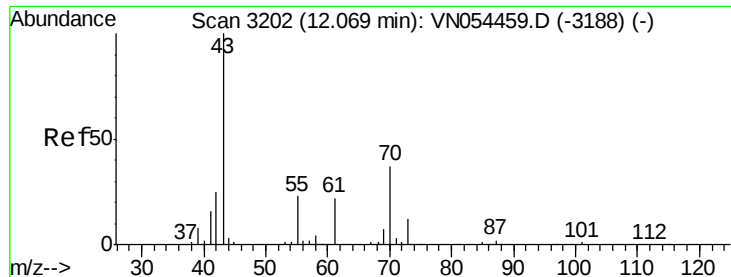


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

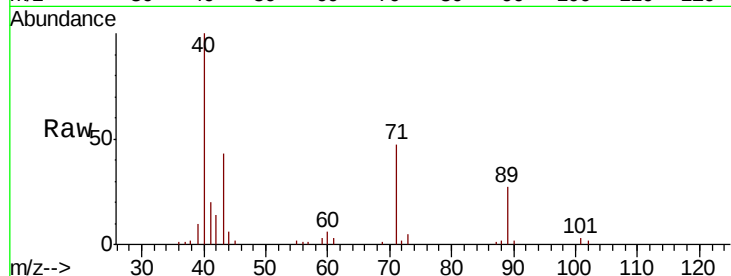




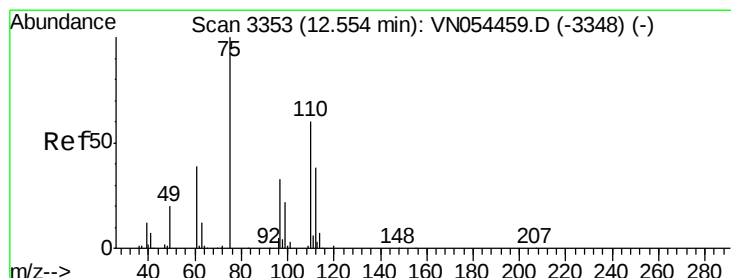
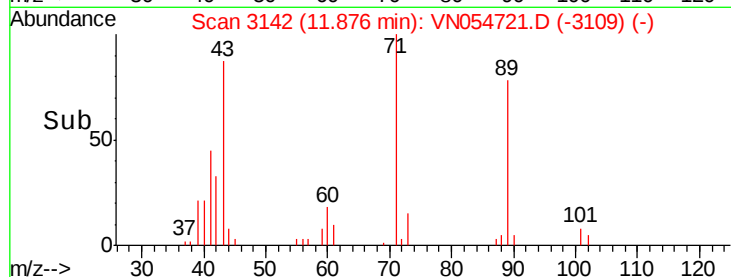
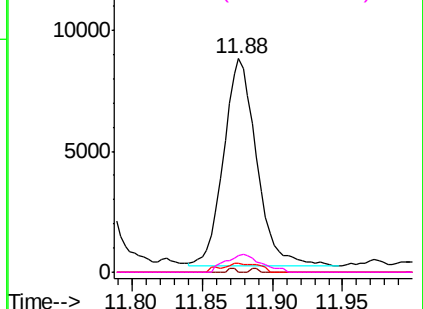
#74
N-amvl acetate
Concen: 2.199 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 14059
Ion Ratio Lower Upper
43 100
70 0.5 35.4 53.0#
55 1.2 19.8 29.6#
61 9.2 19.8 29.6#

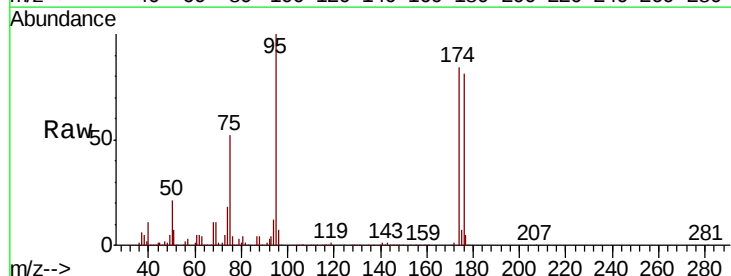


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

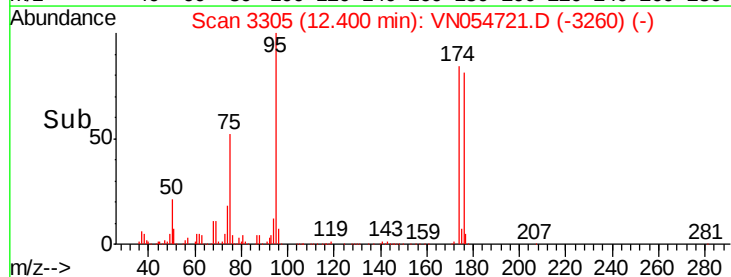
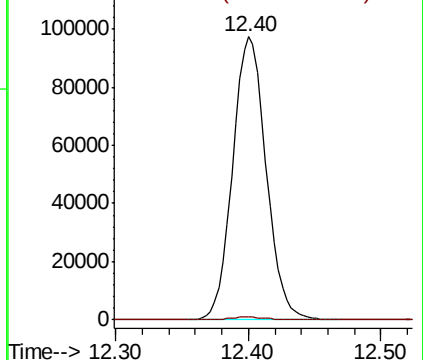


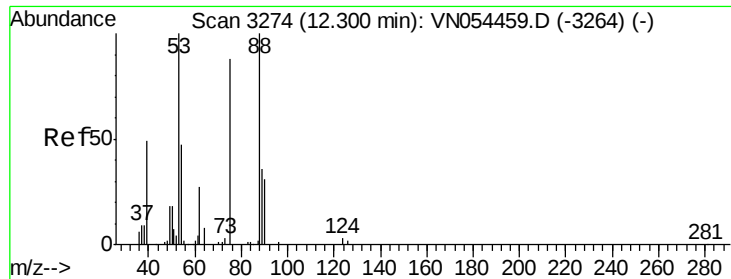
#76
1,2,3-Trichloropropane
Concen: 38.963 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054721.D
Acq: 27 Mar 2019 14:50

Tgt Ion: 75 Resp: 170618
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.971 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054721.D
 Acq: 27 Mar 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 170618
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#

