

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054970.D
 Acq On : 5 Apr 2019 14:27
 Operator : JC/SP
 Sample : K2292-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 05 23:33:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	505381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	822785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	691686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220988	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	319986	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
35) Dibromofluoromethane	7.59	113	263646	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	10.09	98	979312	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.40	95	288325	42.51	ug/l	0.00
Spiked Amount			Recovery	=	85.02%	

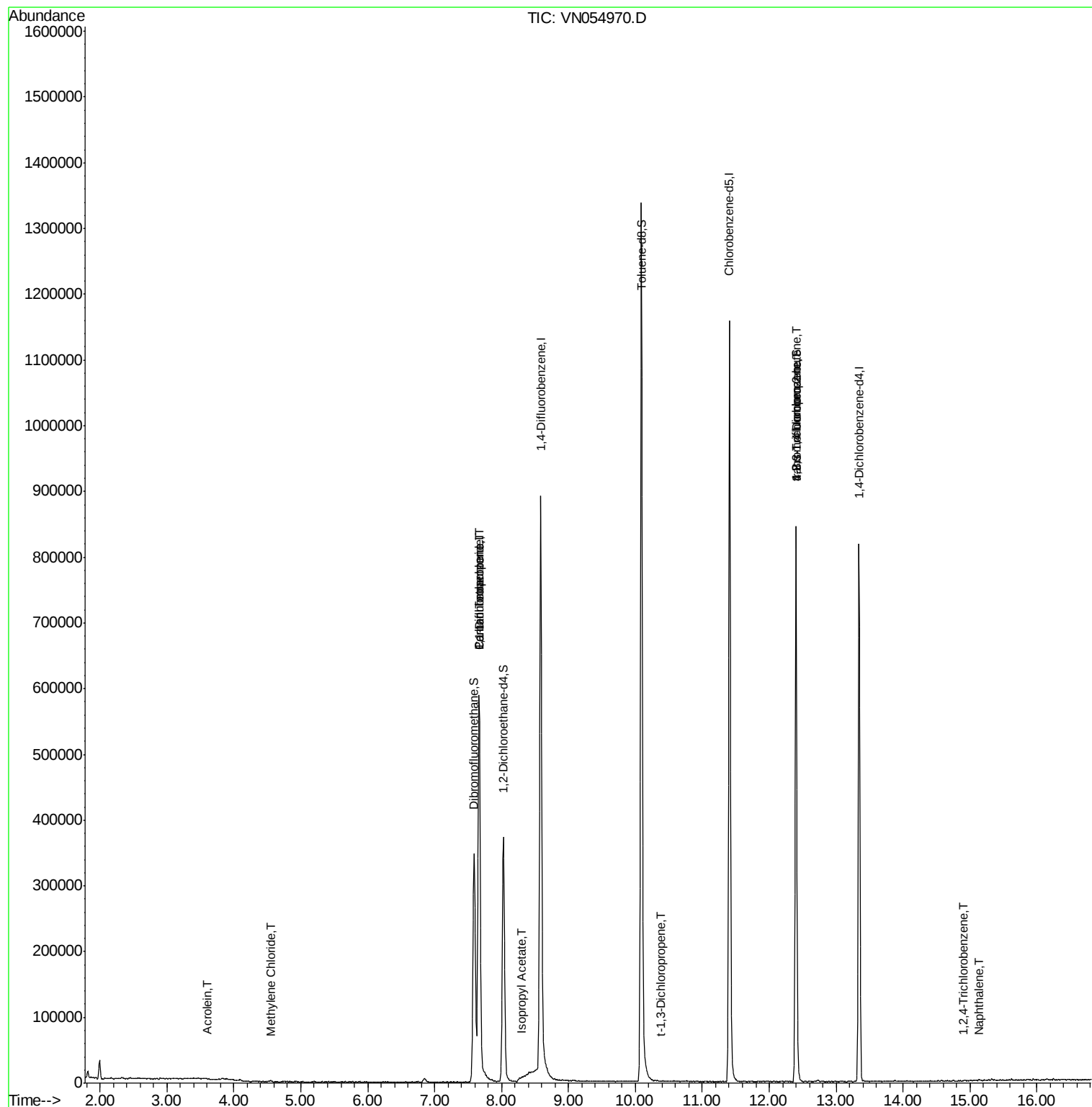
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	66	4.287	ug/l #	1
16) Acetone	3.82	43	1361	Below Cal		98
18) Methyl Acetate	4.34	43	2490	Below Cal	#	74
20) Methylene Chloride	4.54	84	1283	0.207	ug/l #	67
31) Cyclohexane	7.66	56	10195	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	36944	4.532	ug/l #	50
38) Carbon Tetrachloride	7.66	117	47169	5.991	ug/l #	19
43) Isopropyl Acetate	8.29	43	5987	0.635	ug/l #	64
53) t-1,3-Dichloropropene	10.37	75	31	2.031	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.40	83	112	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	151882	44.229	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	151882	158.757	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.90	180	298	2.527	ug/l #	85
95) Naphthalene	15.13	128	1141	2.997	ug/l #	77

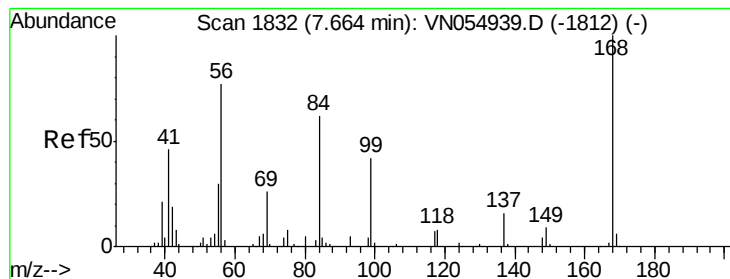
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

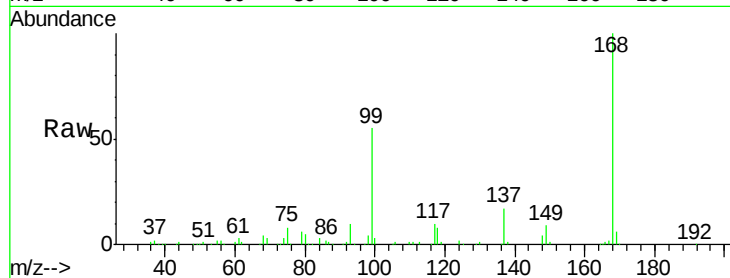
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 505381

Ion Ratio Lower Upper

168 100

99 55.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VN054970.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054970.D (-1739) (-)

7.66

200000

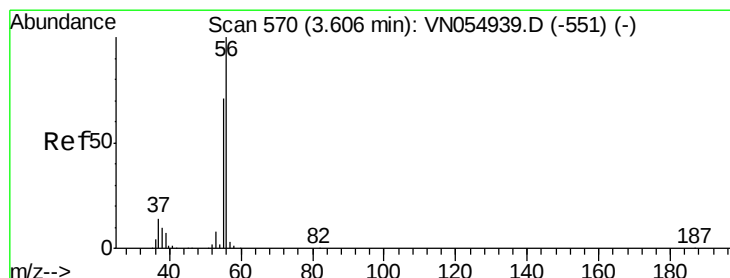
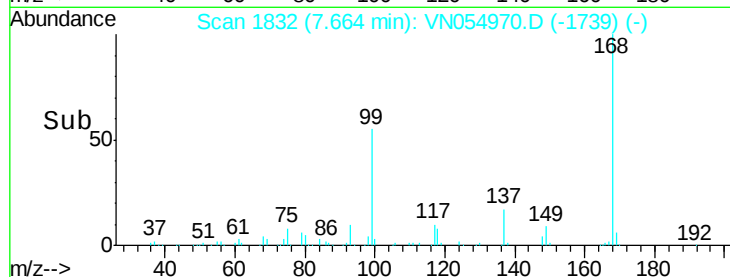
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 4.287 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN054970.D

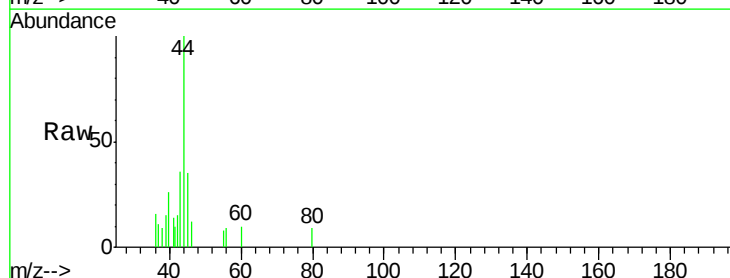
Acq: 5 Apr 2019 14:27

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 407.6 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VN054970.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054970.D (-477) (-)

3.60

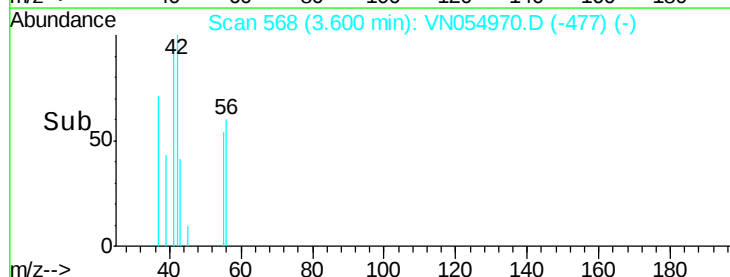
300

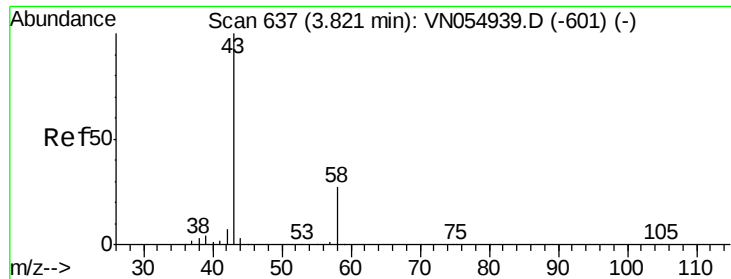
200

100

0

Time-->

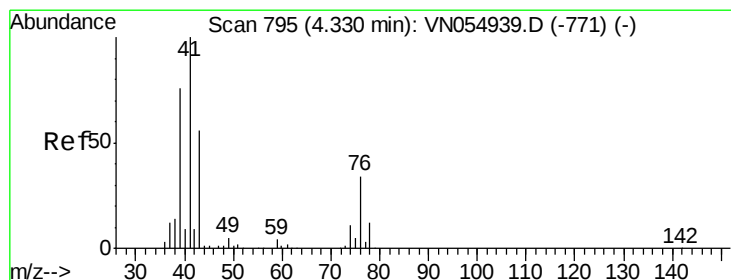
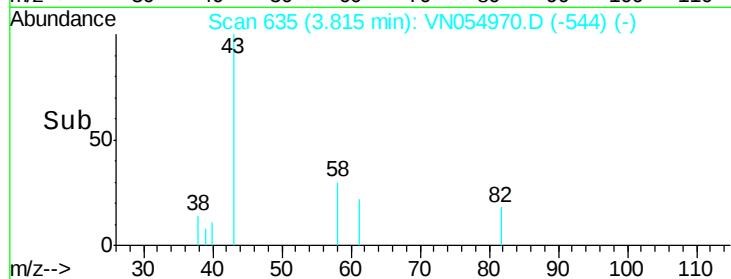
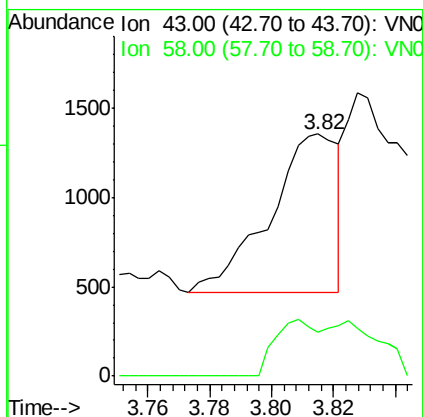
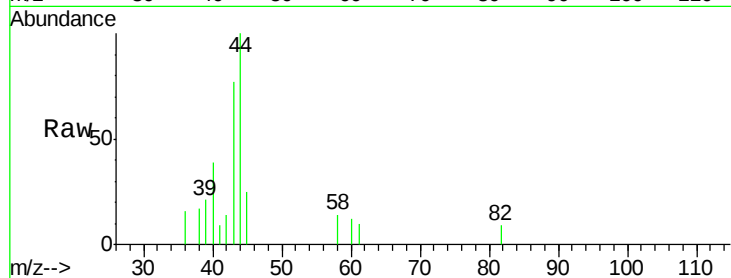




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 635
Delta R.T. -0.01 min
Lab File: VN054970.D
Acq: 5 Apr 2019 14:27

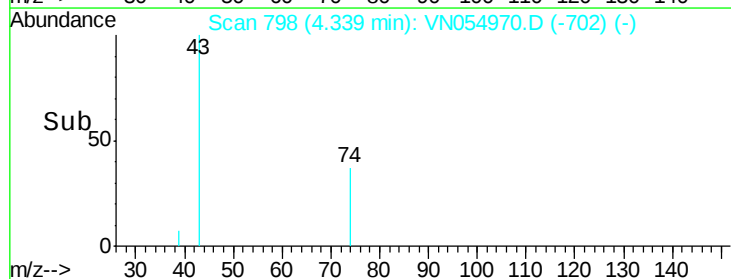
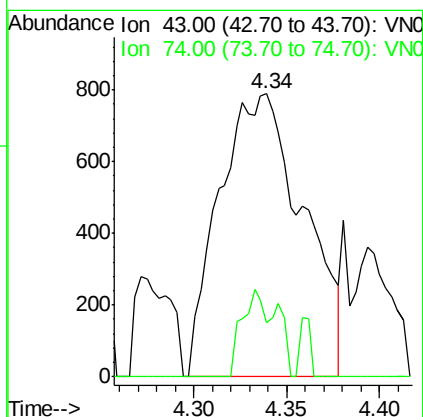
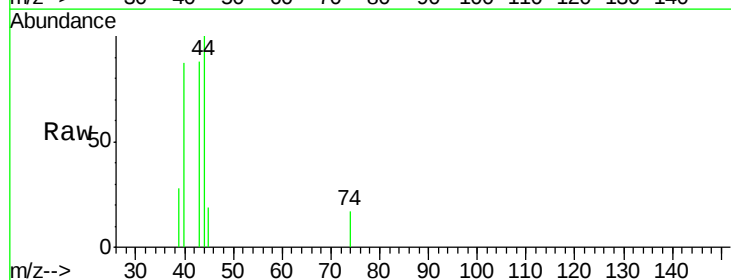
Instrument :
MSVOA_N
ClientSampled :

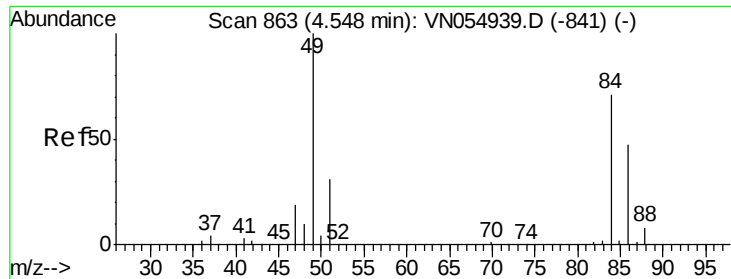
Tot Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
58 28.0 21.7 32.5



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN054970.D
Acq: 5 Apr 2019 14:27

Tgt Ion: 43 Resp: 2490
Ion Ratio Lower Upper
43 100
74 8.6 16.4 24.6#

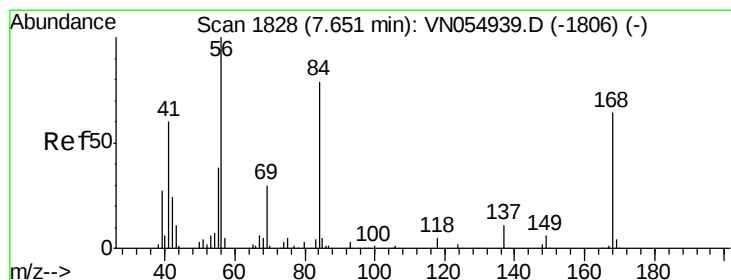
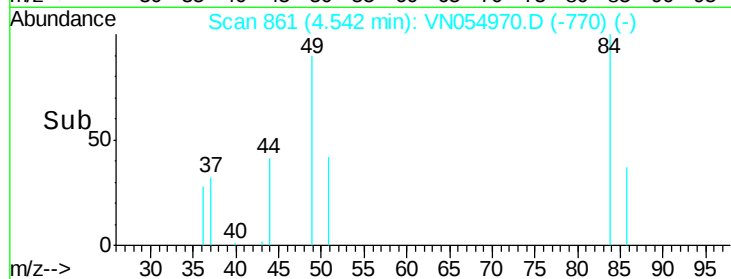
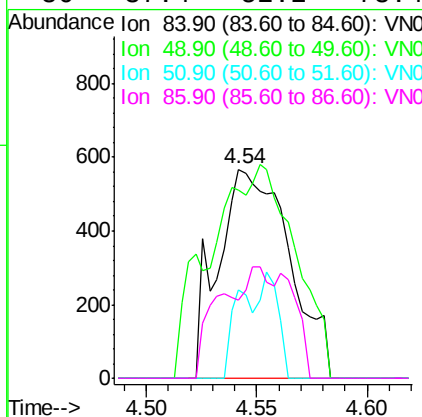
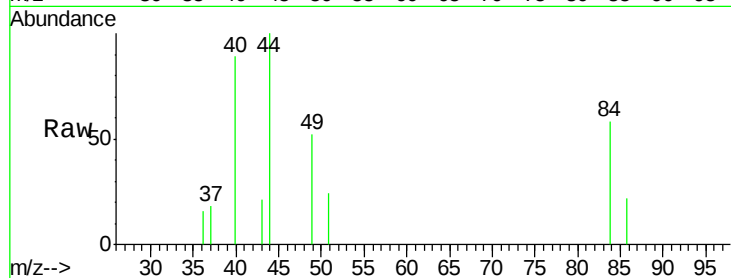




#20
Methvlene Chloride
Concen: 0.207 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054970.D
Acq: 5 Apr 2019 14:27

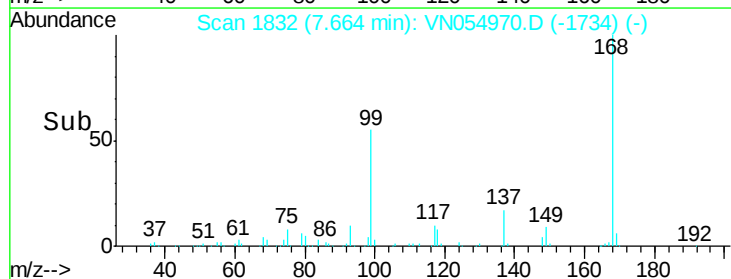
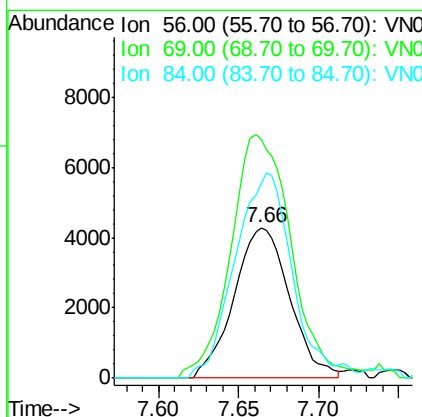
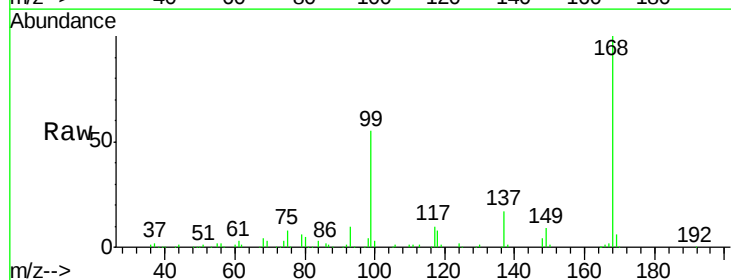
Instrument :
MSVOA_N
ClientSampleId :

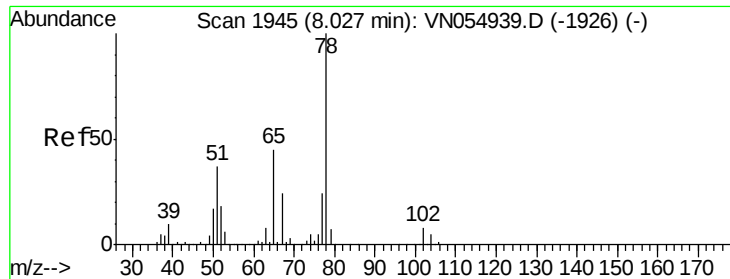
Tot Ion: 84 Resp: 1283
Ion Ratio Lower Upper
84 100
49 90.3 112.1 168.1#
51 42.3 34.5 51.7
86 37.4 52.2 78.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054970.D
Acq: 5 Apr 2019 14:27

Tgt Ion: 56 Resp: 10195
Ion Ratio Lower Upper
56 100
69 151.2 23.8 35.6#
84 129.3 61.8 92.8#

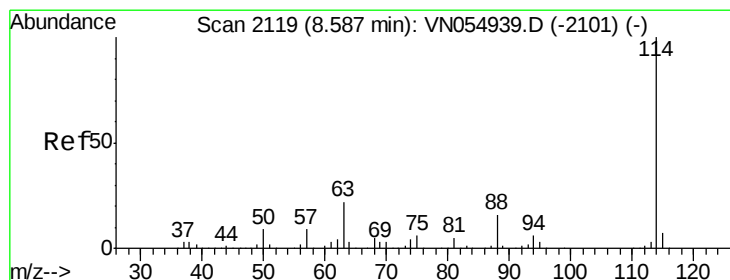
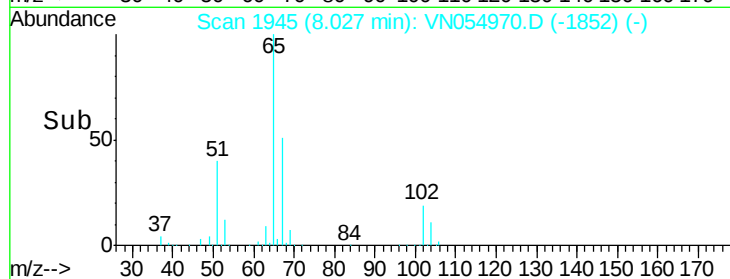
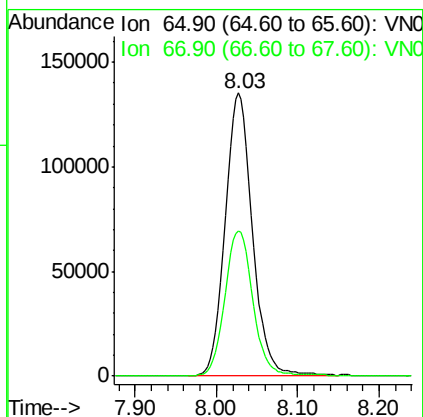
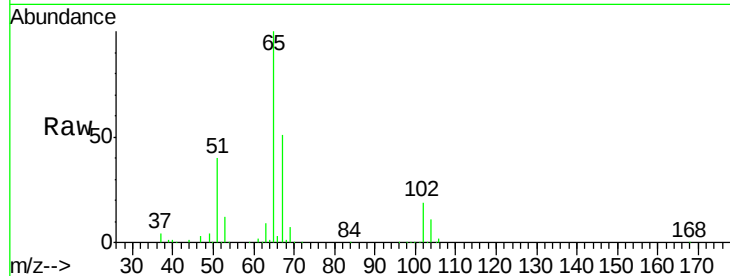




#33
 1,2-Dichloroethane-d4
 Concen: 48.022 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054970.D
 Acq: 5 Apr 2019 14:27

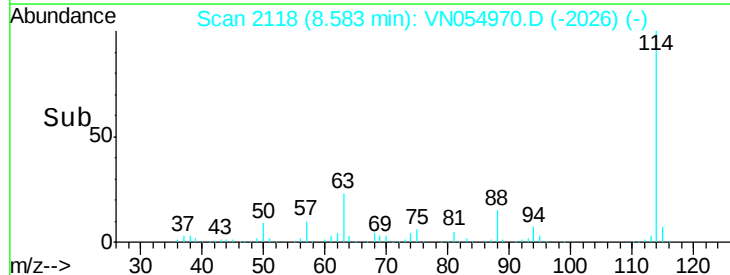
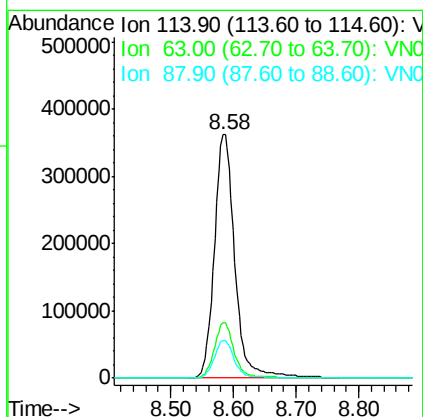
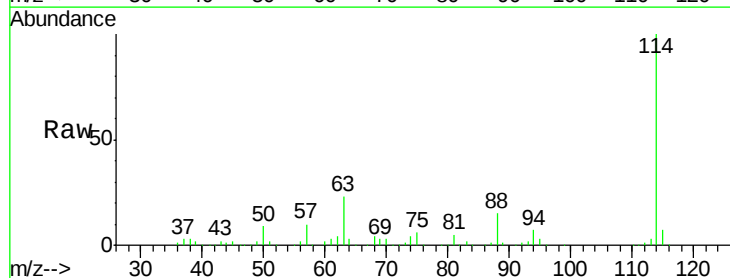
Instrument :
 MSVOA_N
 ClientSampled :

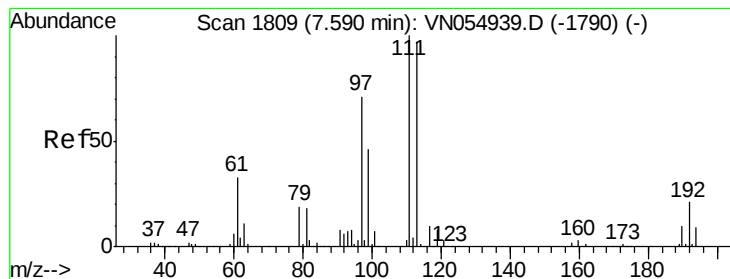
Tot Ion: 65 Resp: 319986
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054970.D
 Acq: 5 Apr 2019 14:27

Tgt Ion: 114 Resp: 822785
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.6
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.225 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

Instrument :
MSVOA_N
ClientSampled :

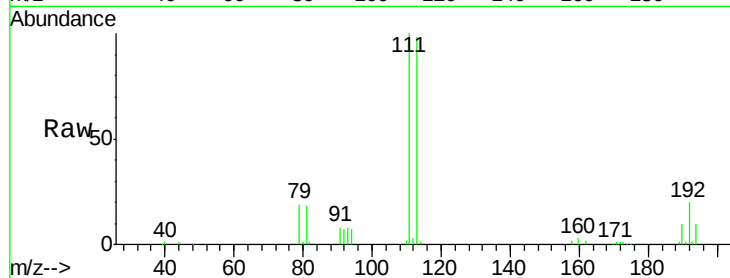
Tot Ion:113 Resp: 263646

Ion Ratio Lower Upper

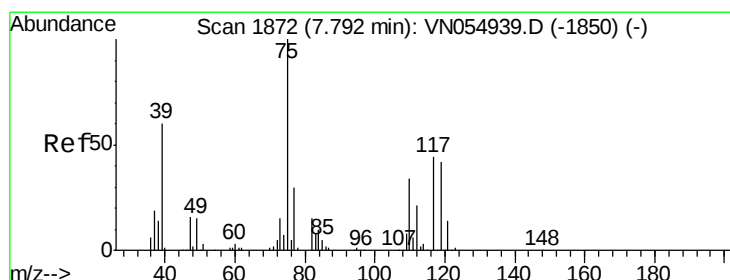
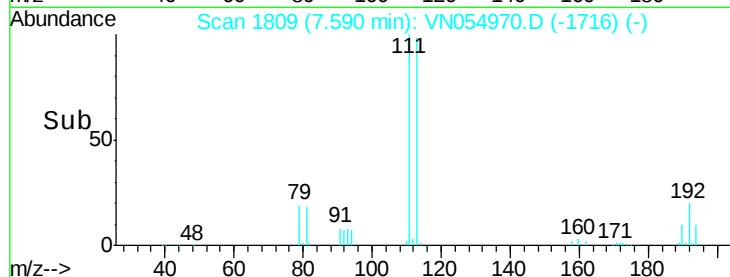
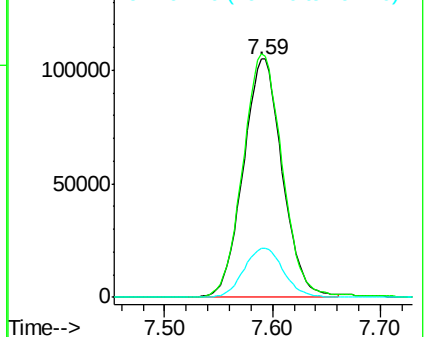
113 100

111 103.9 81.0 121.4

192 21.0 16.5 24.7



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: 4.532 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

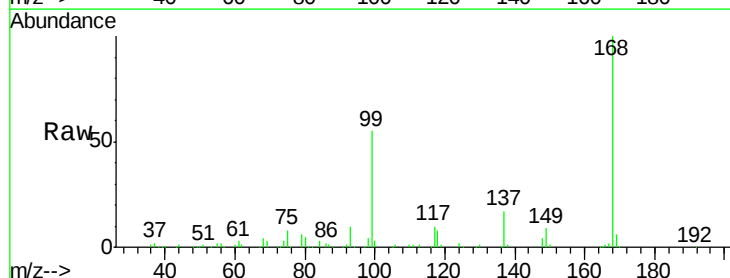
Tgt Ion: 75 Resp: 36944

Ion Ratio Lower Upper

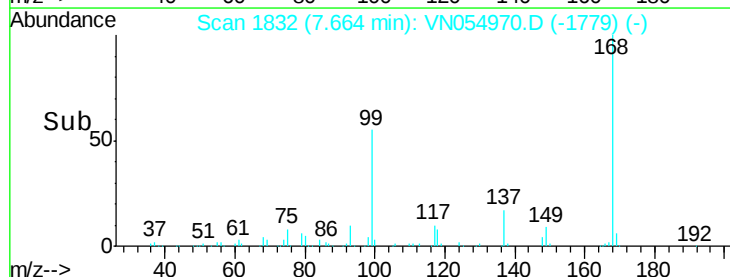
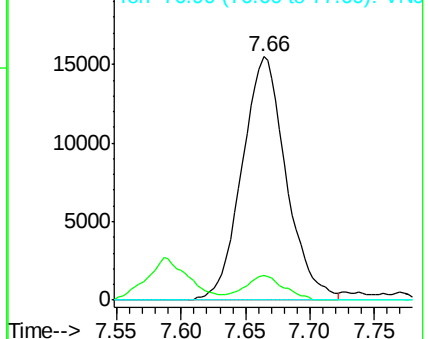
75 100

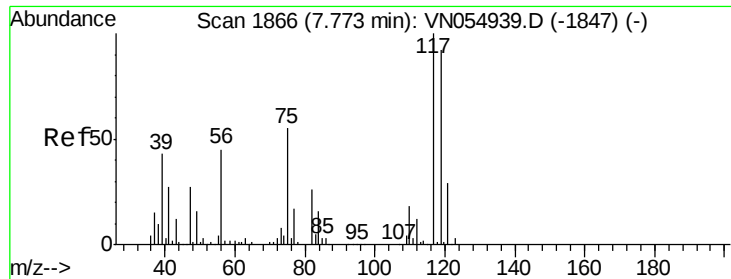
110 9.2 17.0 50.9#

77 0.0 25.3 37.9#



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





#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

Instrument :

MSVOA_N

ClientSampled :

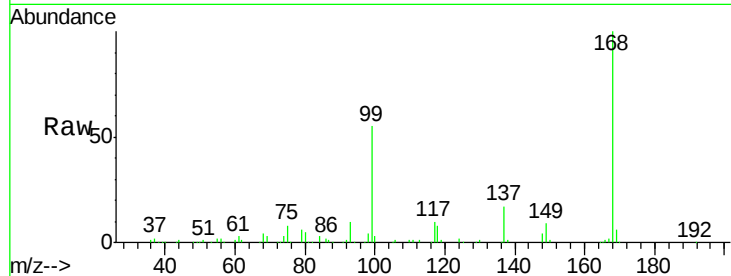
Tot Ion:117 Resp: 47169

Ion Ratio Lower Upper

117 100

119 6.1 73.6 110.4#

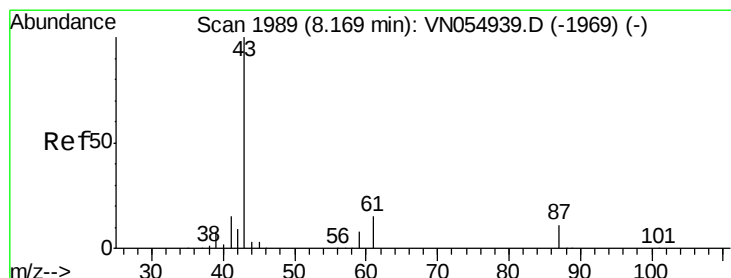
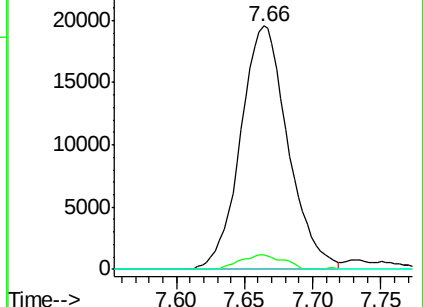
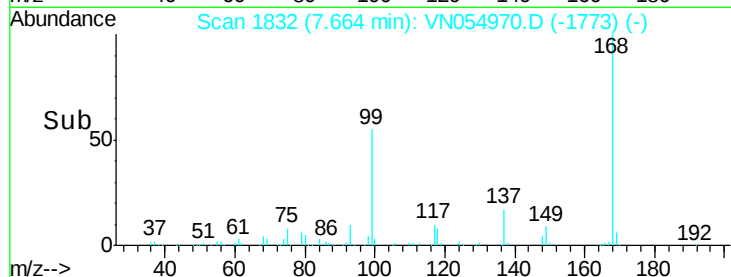
121 0.0 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 0.635 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

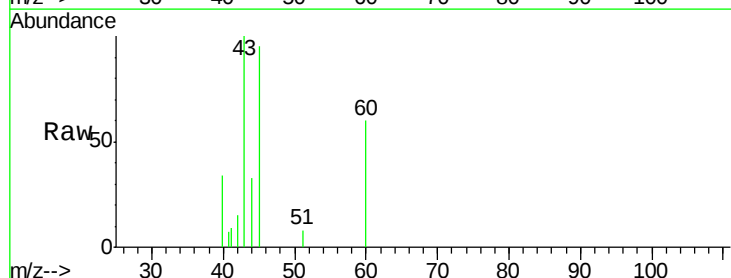
Tgt Ion: 43 Resp: 5987

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

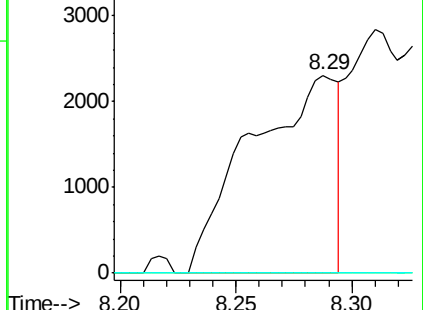
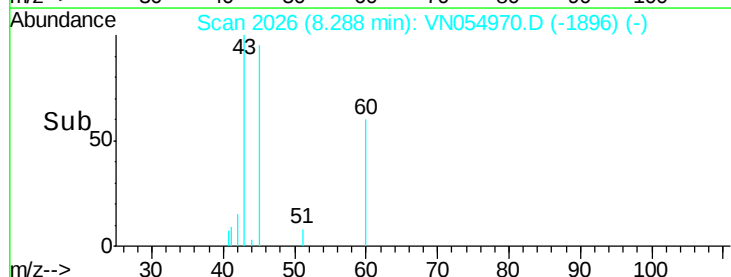
87 0.0 9.0 13.4#

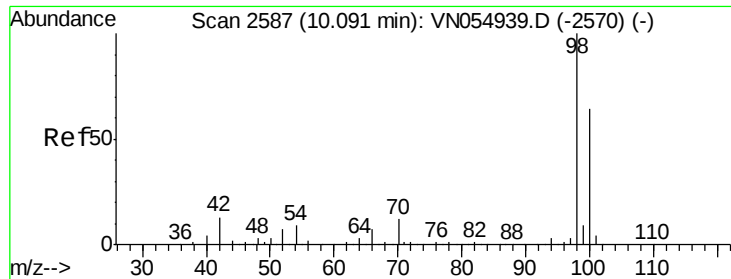


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

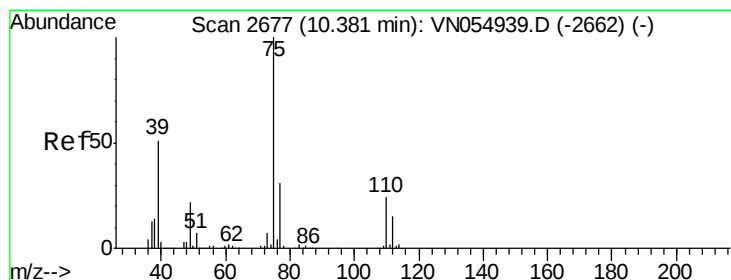
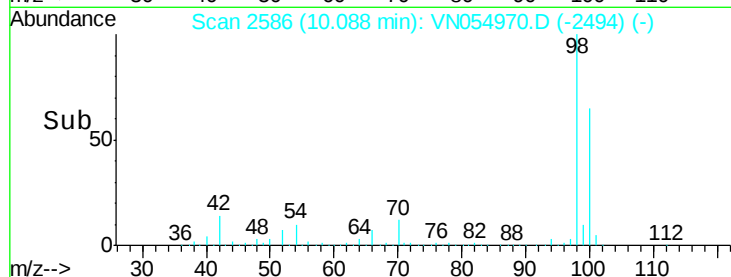
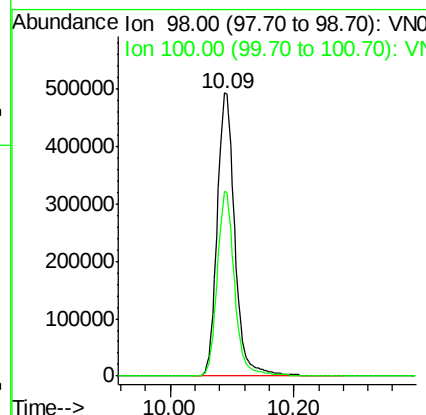
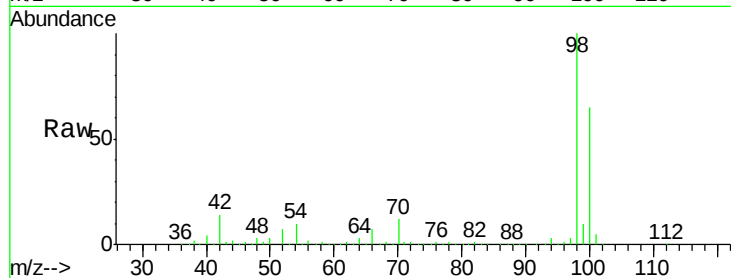




#50
Toluene-d8
Concen: 48.188 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054970.D
Acq: 5 Apr 2019 14:27

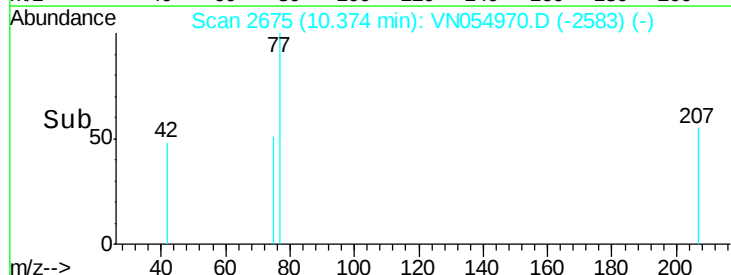
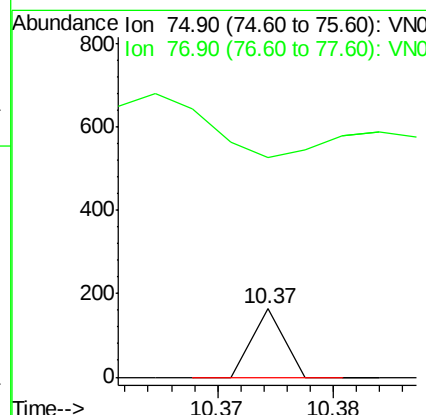
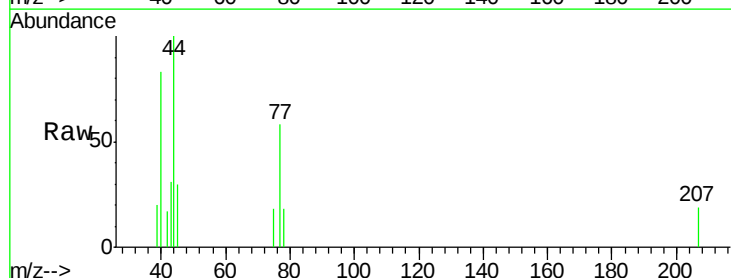
Instrument :
MSVOA_N
ClientSampled :

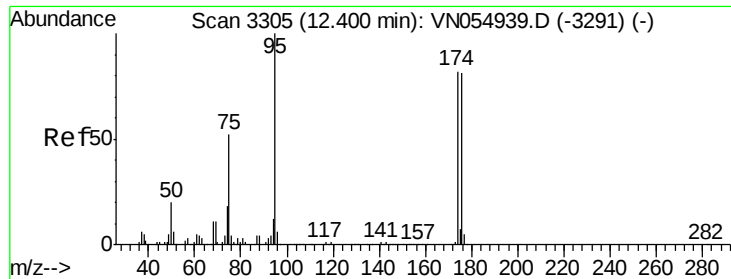
Tot Ion: 98 Resp: 979312
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#53
t-1,3-Dichloropropene
Concen: 2.031 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.01 min
Lab File: VN054970.D
Acq: 5 Apr 2019 14:27

Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#

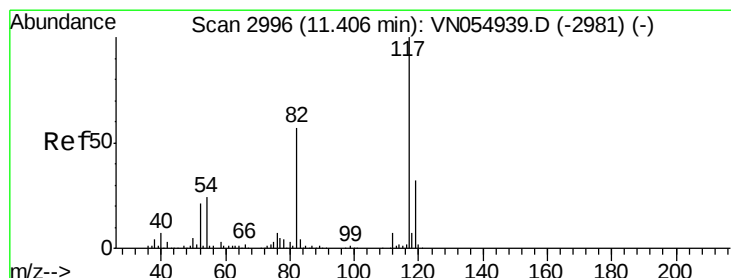
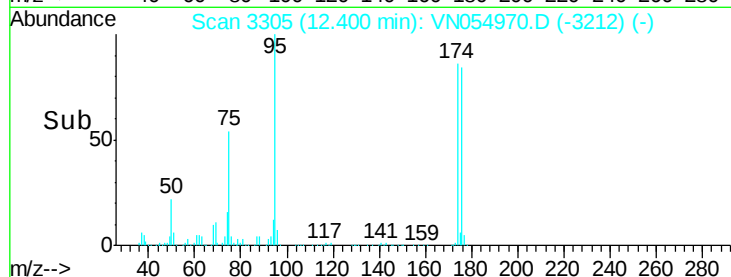
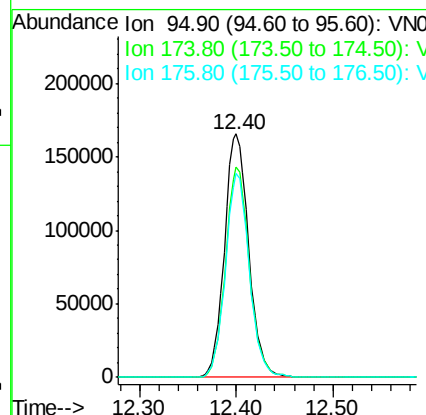
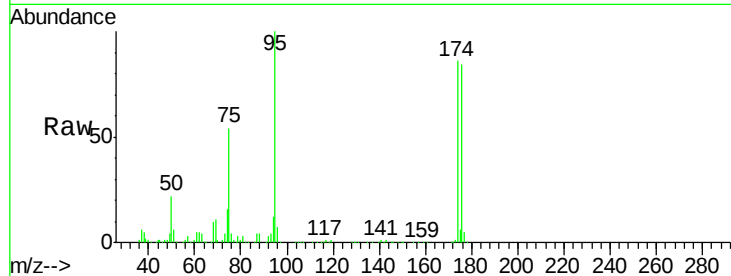




#62
4-Bromofluorobenzene
Concen: 42.512 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054970.D
Acq: 5 Apr 2019 14:27

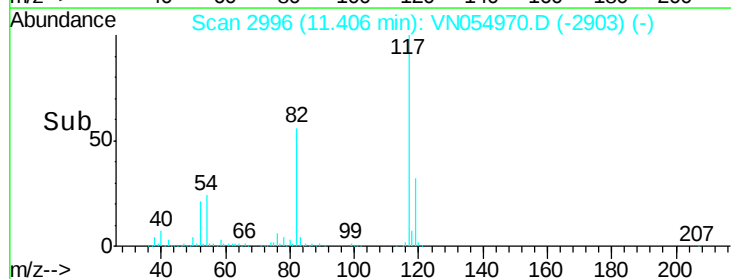
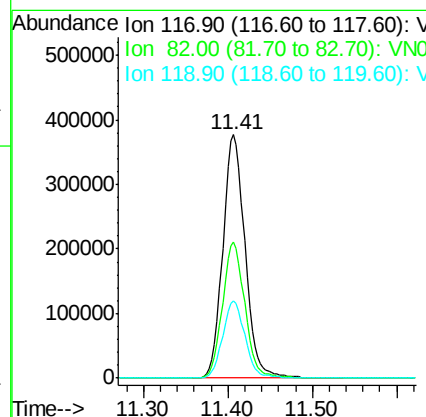
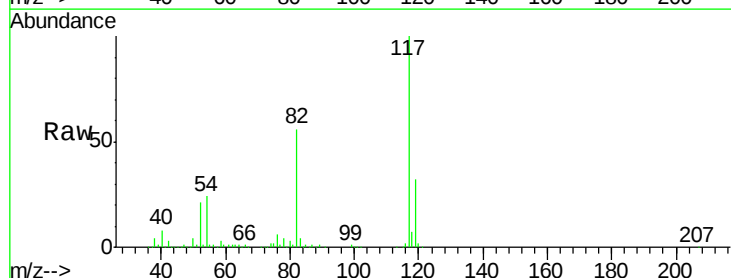
Instrument :
MSVOA_N
ClientSampleId :

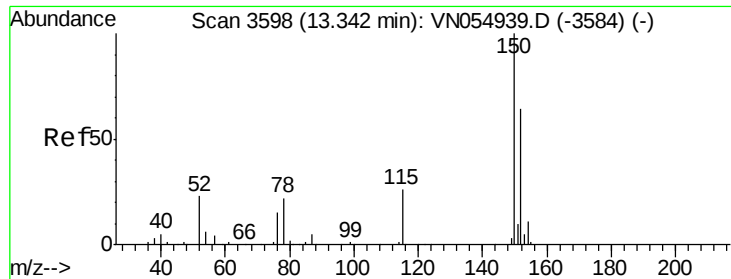
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	166.2
176	82.2	0.0	163.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054970.D
Acq: 5 Apr 2019 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.3	67.9
119	31.9	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

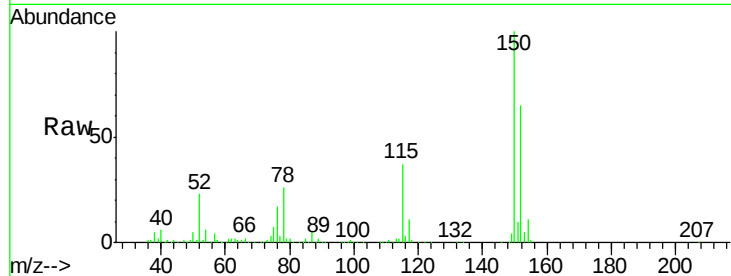
Tot Ion:152 Resp: 220988

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.8

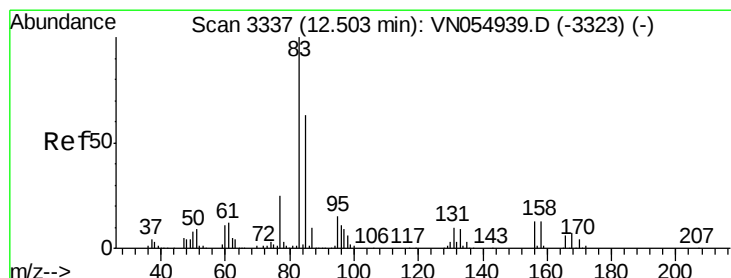
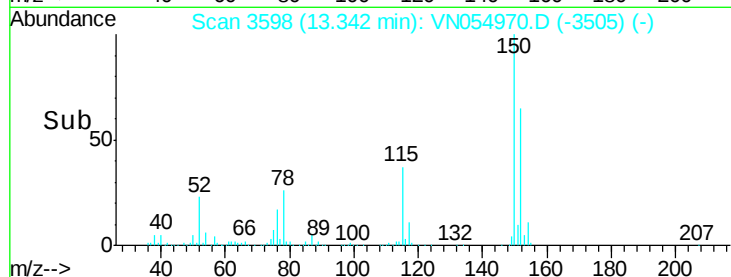
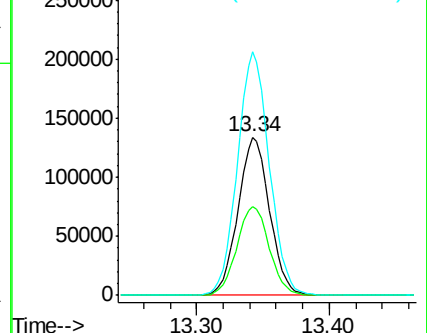
150 155.3 0.0 345.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

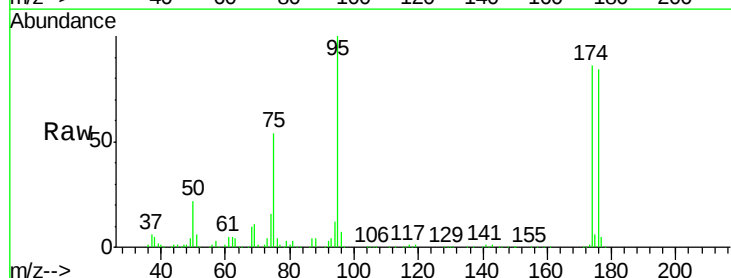
Tgt Ion: 83 Resp: 112

Ion Ratio Lower Upper

83 100

131 315.2 5.0 15.0#

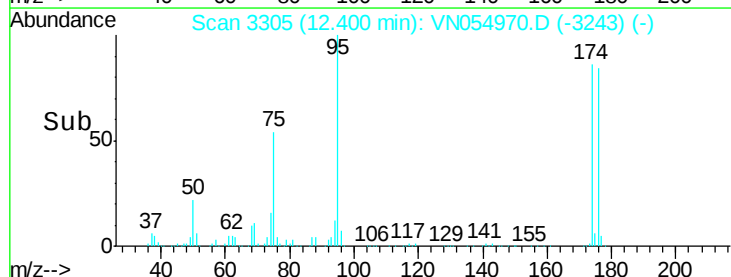
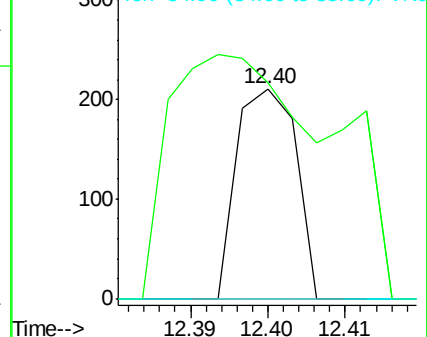
85 0.0 31.4 94.0#

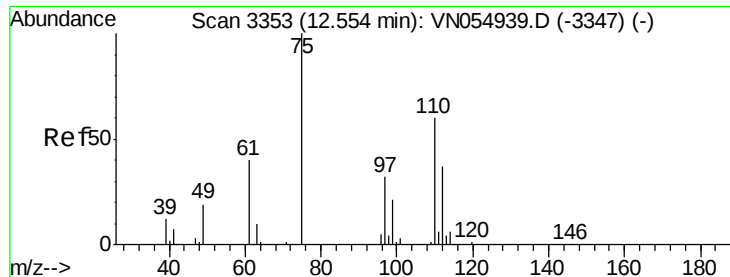


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 44.229 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

Instrument :

MSVOA_N

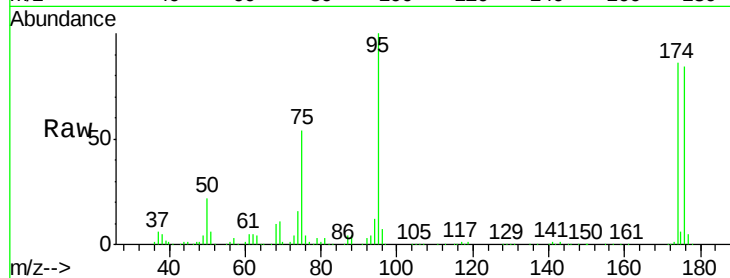
ClientSampleId :

Tot Ion: 75 Resp: 151882

Ion Ratio Lower Upper

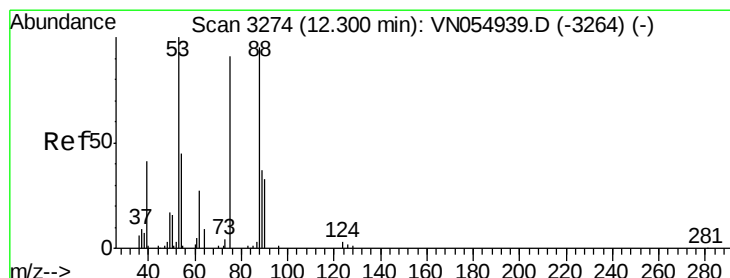
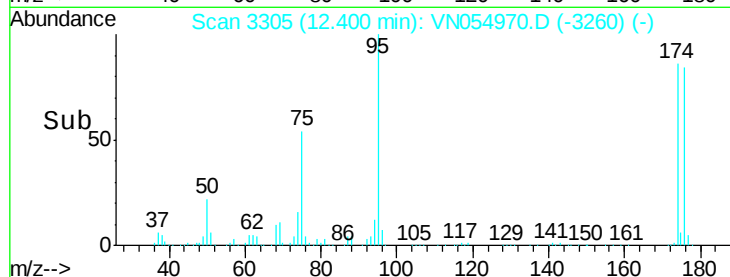
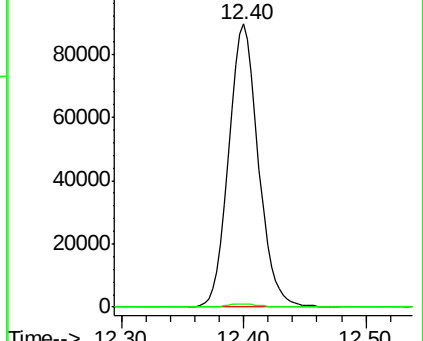
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 158.757 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054970.D

Acq: 5 Apr 2019 14:27

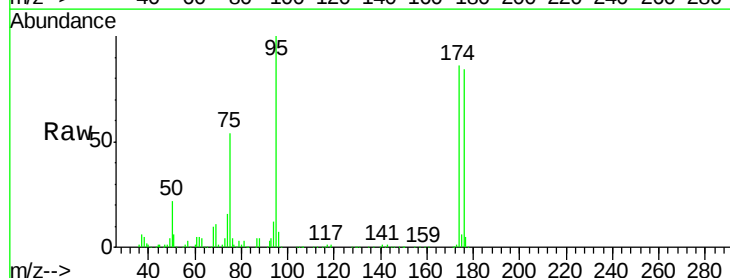
Tgt Ion: 75 Resp: 151882

Ion Ratio Lower Upper

75 100

53 0.0 92.8 139.2#

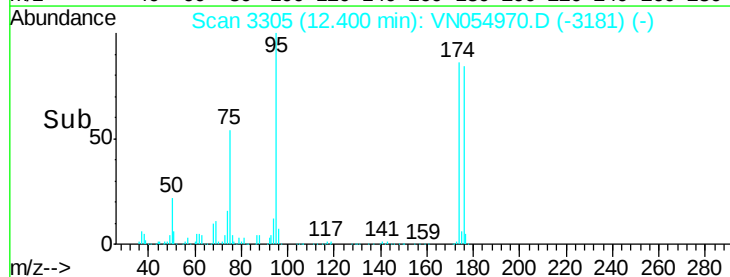
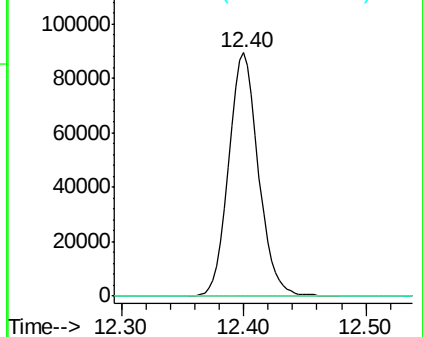
89 0.0 36.7 55.1#

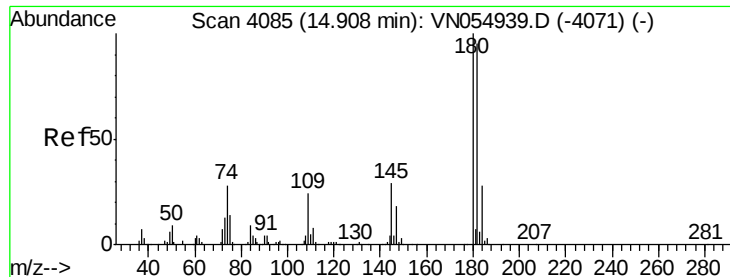


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

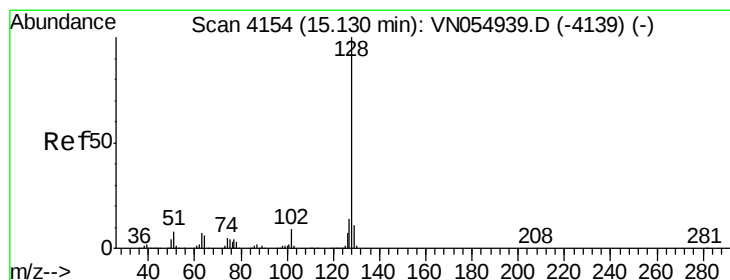
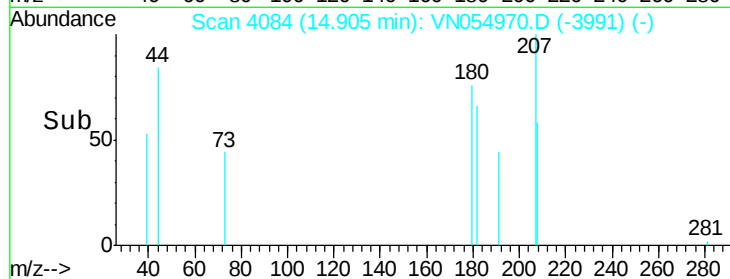
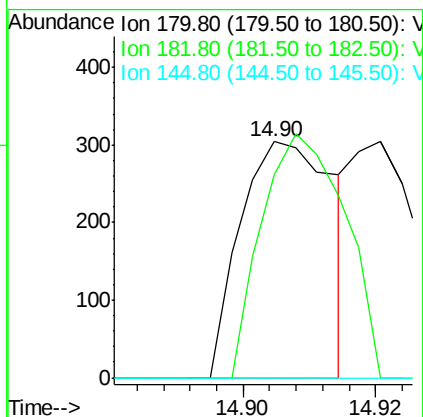
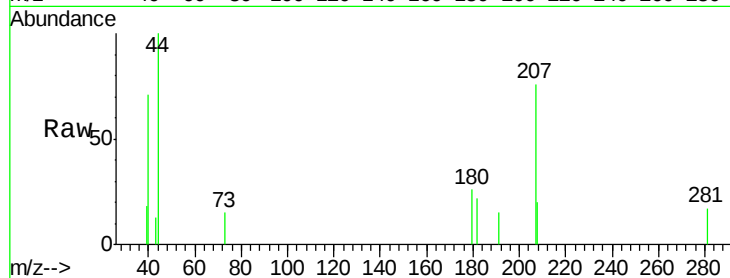




#93
 1,2,4-Trichlorobenzene
 Concen: 2.527 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054970.D
 Acq: 5 Apr 2019 14:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 298
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.5 142.6
 145 0.0 14.6 43.8#



#95
 Naphthalene
 Concen: 2.997 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN054970.D
 Acq: 5 Apr 2019 14:27

Tgt Ion:128 Resp: 1141
 Ion Ratio Lower Upper
 128 100
 127 5.8 10.6 16.0#
 129 0.0 8.6 13.0#

