

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054652.D
 Acq On : 24 Mar 2019 17:00
 Operator : JC/SP
 Sample : K2047-13
 Misc : 6.48g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:16:25 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	7.66	168	547357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	879312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	762693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	321655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	347997	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.59	113	265613	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	10.09	98	1067268	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.40	95	353361	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.74	59	1098	2.664	ug/l #	70
13) Acrolein	3.62	56	257	0.452	ug/l #	1
16) Acetone	3.81	43	629	0.307	ug/l #	38
18) Methyl Acetate	4.32	43	1560	0.342	ug/l #	62
20) Methylene Chloride	4.54	84	2453	0.407	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	12970	2.017	ug/l	93
31) Cyclohexane	7.66	56	11600	Below Cal	#	23
36) 1,1-Dichloropropene	7.66	75	41396	5.035	ug/l #	48
38) Carbon Tetrachloride	7.66	117	51613	6.460	ug/l #	16
53) t-1,3-Dichloropropene	10.09	75	31	2.236	ug/l #	1
59) 2-Hexanone	10.72	43	9863	2.759	ug/l #	26
71) Bromoform	12.39	173	938	2.454	ug/l #	1
74) N-amyl acetate	12.04	43	56287	7.552	ug/l #	63
76) 1,2,3-Trichloropropane	12.40	75	179571	35.181	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	179571	116.760	ug/l #	11
91) 1,2-Dichlorobenzene	13.66	146	3701	0.359	ug/l #	52

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

Instrument :

MSVOA_N

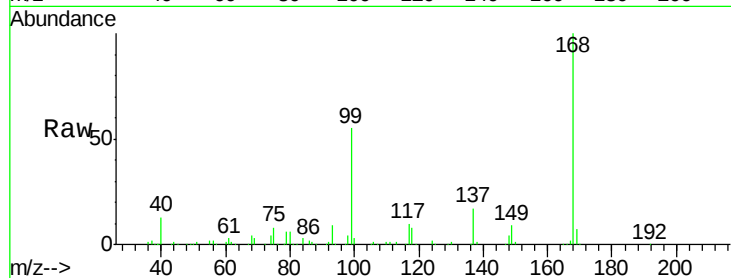
ClientSampled :

Tot Ion:168 Resp: 547357

Ion Ratio Lower Upper

168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

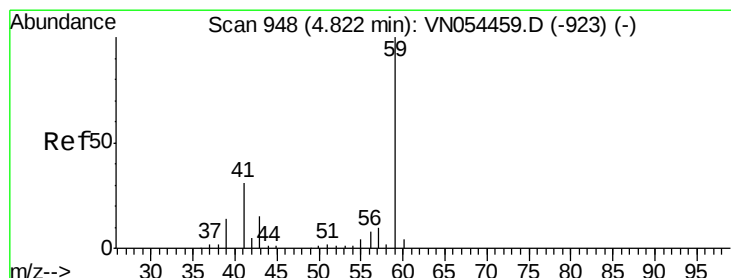
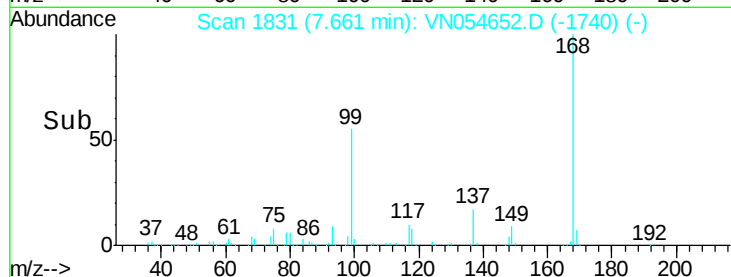
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.664 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.08 min

Lab File: VN054652.D

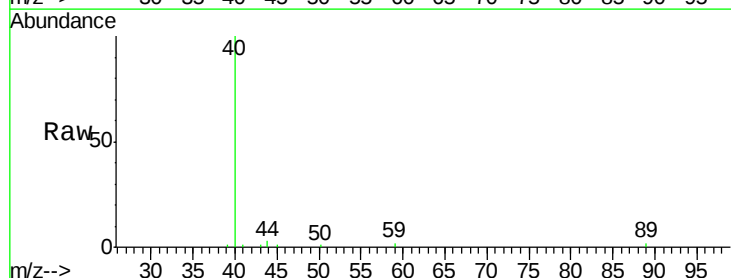
Acq: 24 Mar 2019 17:00

Tgt Ion: 59 Resp: 1098

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

500

400

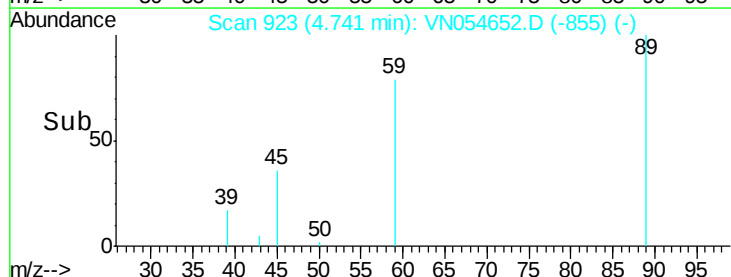
300

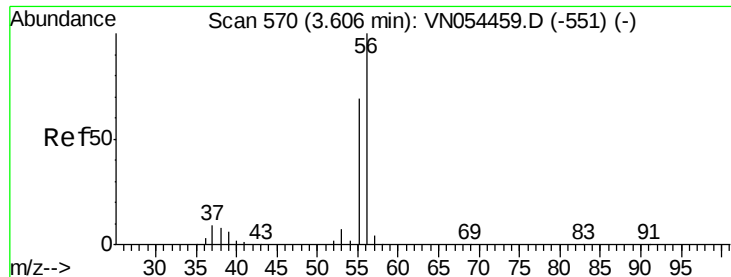
200

100

0

Time-->





#13

Acrolein

Concen: 0.452 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

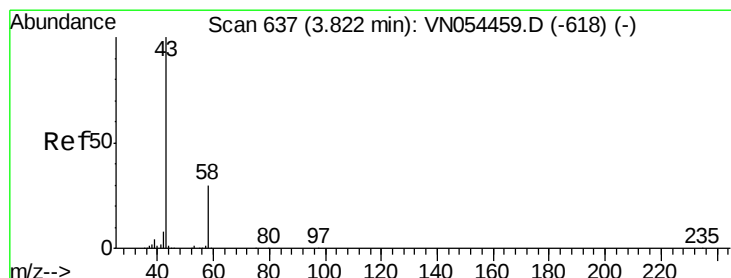
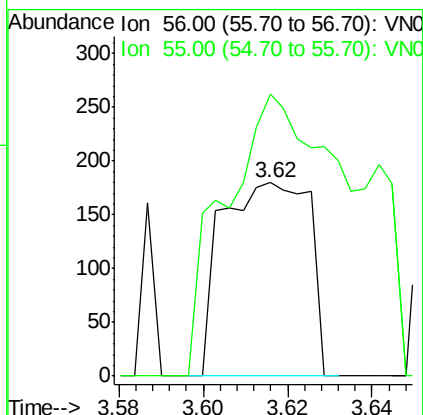
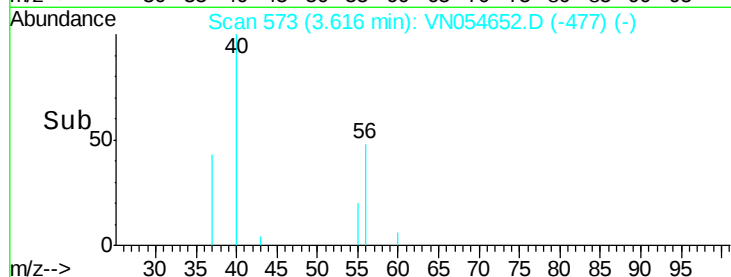
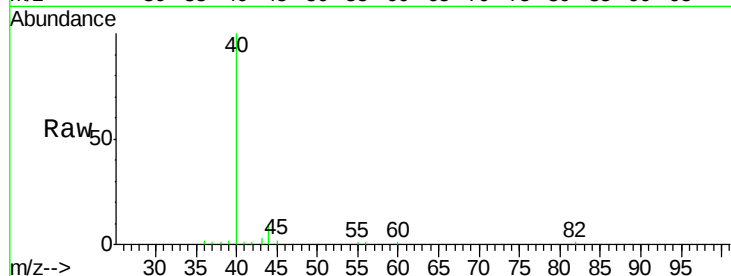
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 257

Ion Ratio Lower Upper

56 100

55 222.6 56.7 85.1#



#16

Acetone

Concen: 0.307 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN054652.D

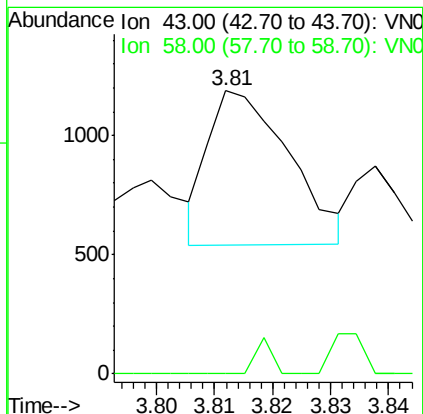
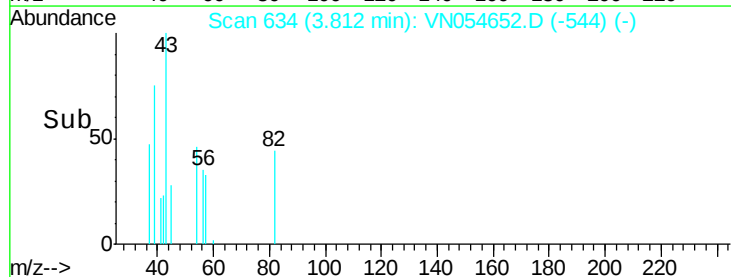
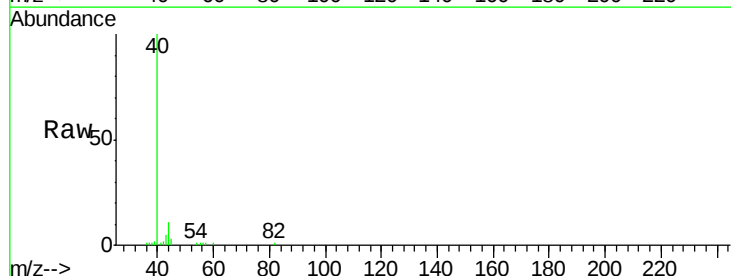
Acq: 24 Mar 2019 17:00

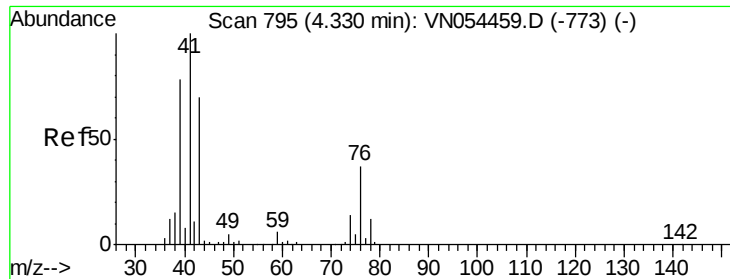
Tgt Ion: 43 Resp: 629

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#

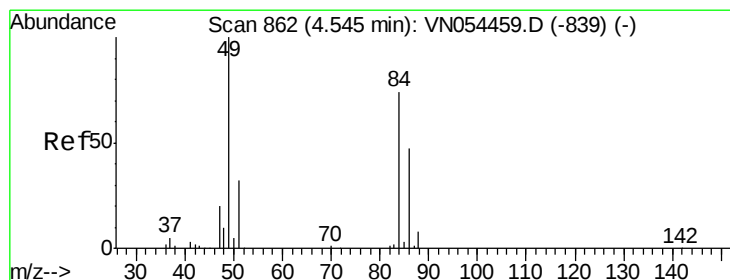
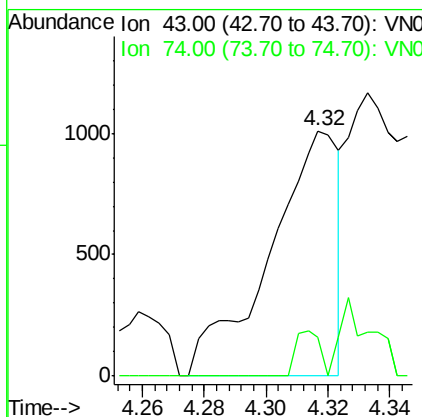
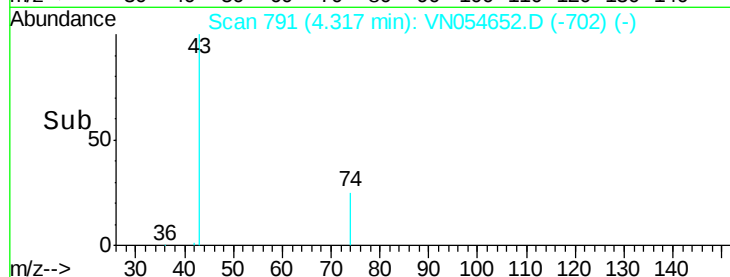
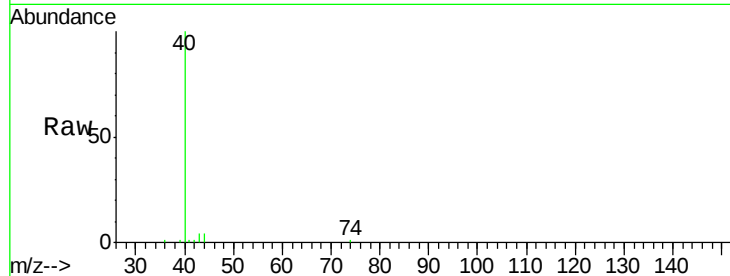




#18
Methyl Acetate
Concen: 0.342 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.01 min
Lab File: VN054652.D
Acq: 24 Mar 2019 17:00

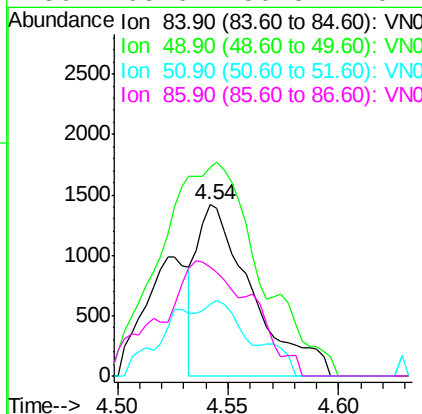
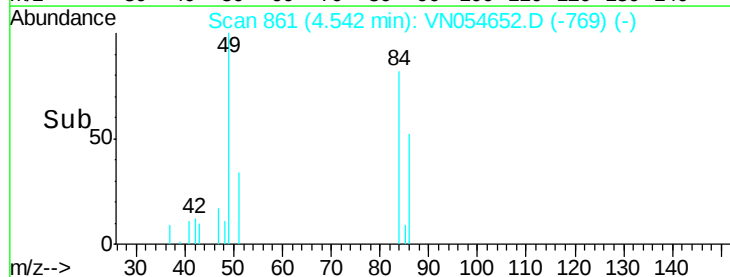
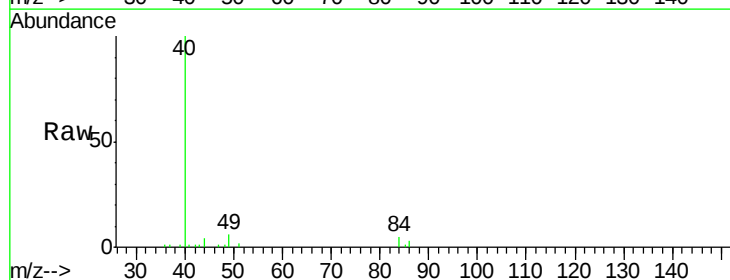
Instrument :
MSVOA_N
ClientSampled :

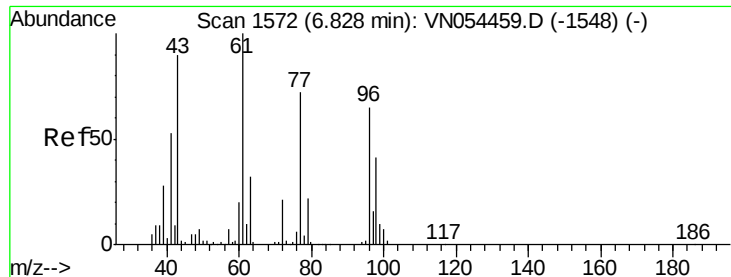
Tot Ion: 43 Resp: 1560
Ion Ratio Lower Upper
43 100
74 6.5 20.8 31.2#



#20
Methylene Chloride
Concen: 0.407 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054652.D
Acq: 24 Mar 2019 17:00

Tgt Ion: 84 Resp: 2453
Ion Ratio Lower Upper
84 100
49 121.9 89.7 134.5
51 41.8 28.2 42.4
86 63.6 50.8 76.2





#27

cis-1,2-Dichloroethene

Concen: 2.017 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

Instrument :
MSVOA_N
ClientSampleId :

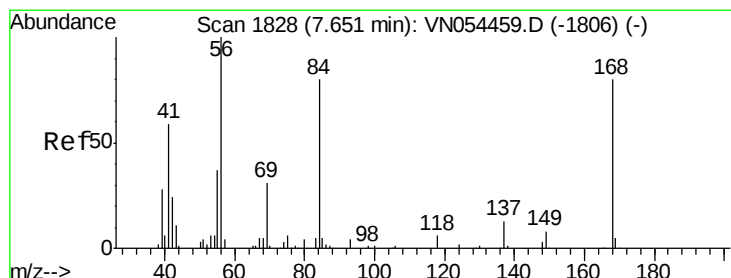
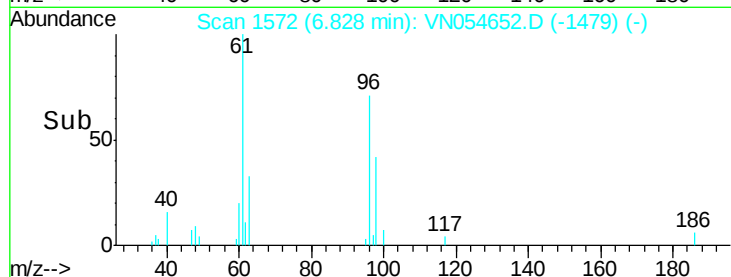
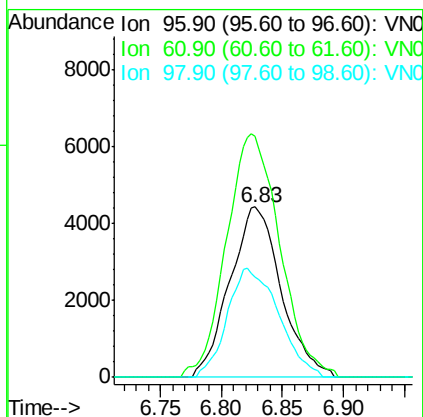
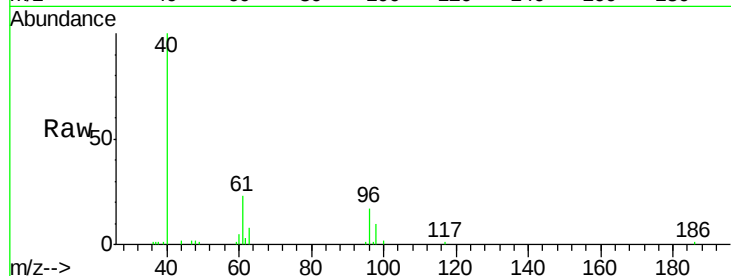
Tot Ion: 96 Resp: 12970

Ion Ratio Lower Upper

96 100

61 148.5 0.0 273.0

98 64.0 0.0 130.6



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

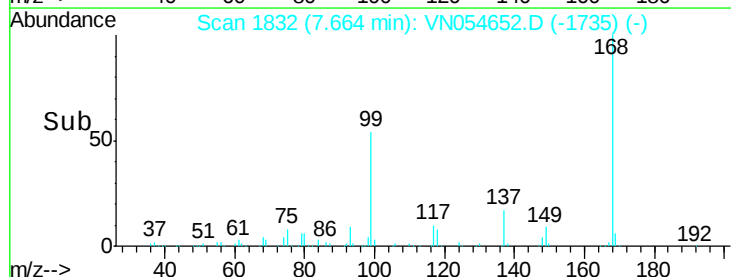
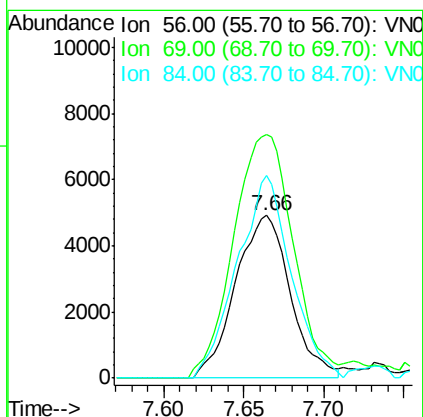
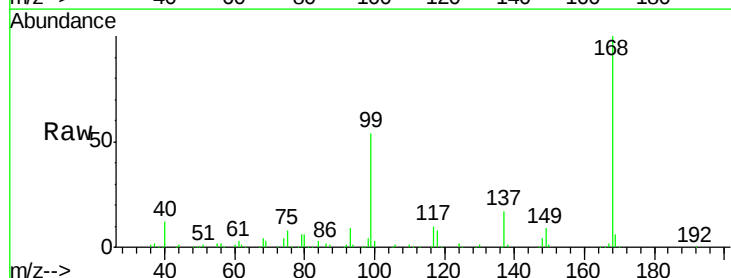
Tgt Ion: 56 Resp: 11600

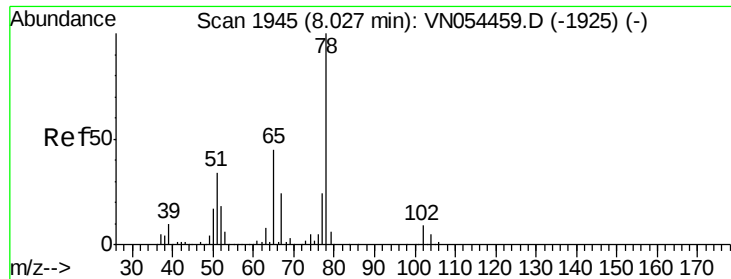
Ion Ratio Lower Upper

56 100

69 149.6 27.8 41.6#

84 124.2 74.6 111.8#

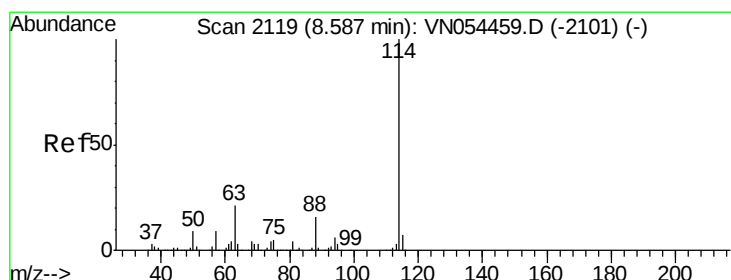
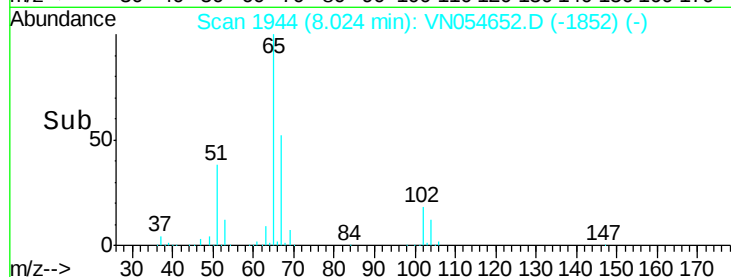
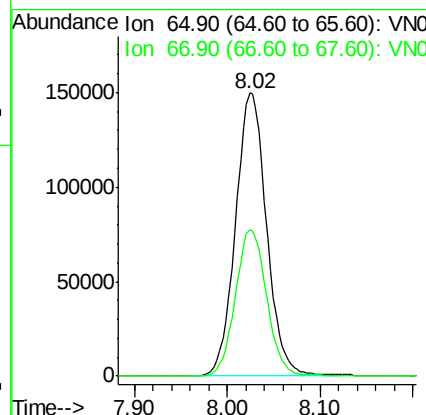
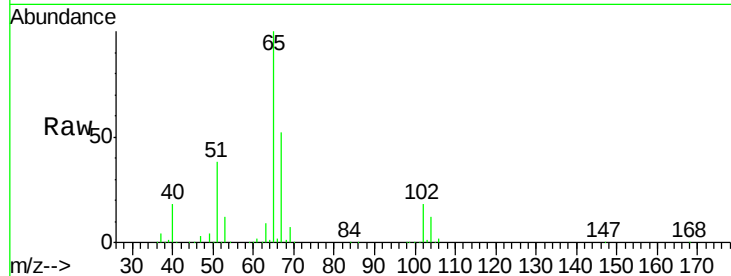




#33
 1,2-Dichloroethane-d4
 Concen: 51.114 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054652.D
 Acq: 24 Mar 2019 17:00

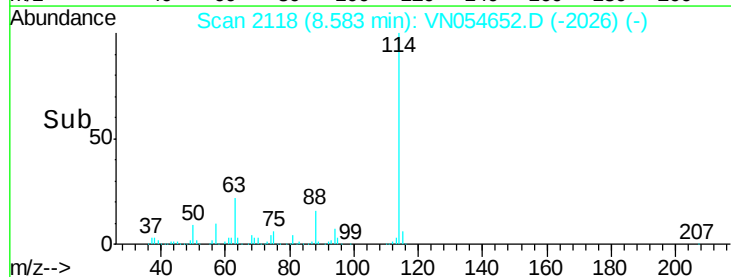
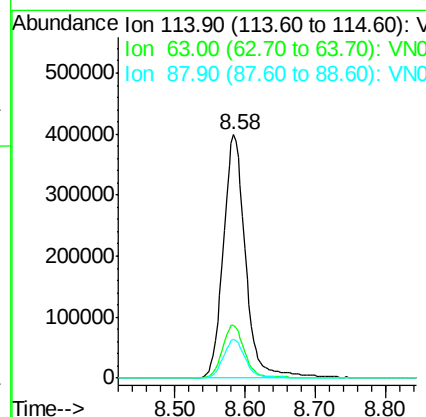
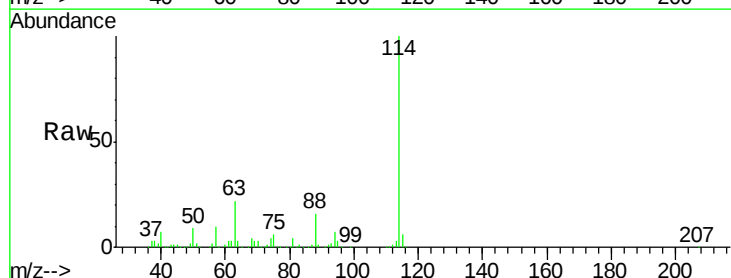
Instrument :
 MSVOA_N
 ClientSampleId :

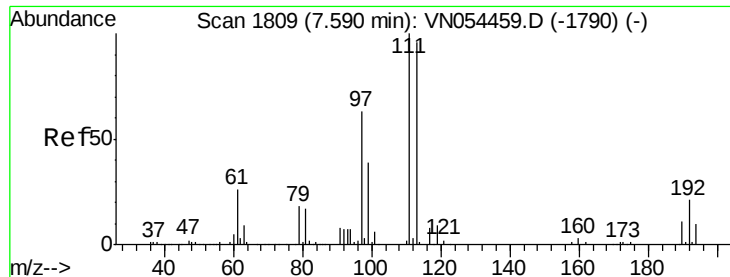
Tot Ion: 65 Resp: 347997
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054652.D
 Acq: 24 Mar 2019 17:00

Tgt Ion: 114 Resp: 879312
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 35.2
 88 16.1 0.0 30.2

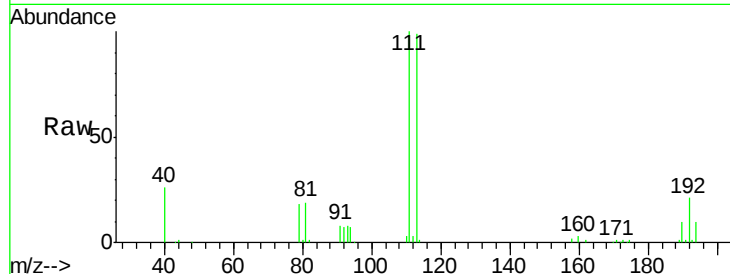




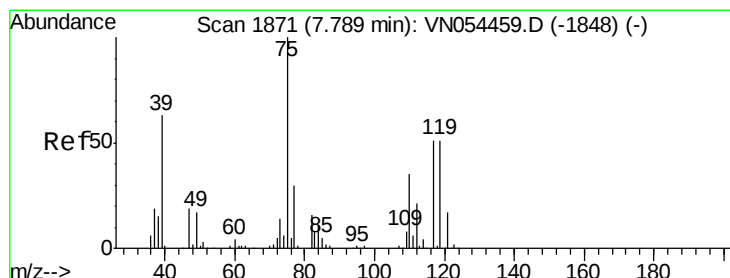
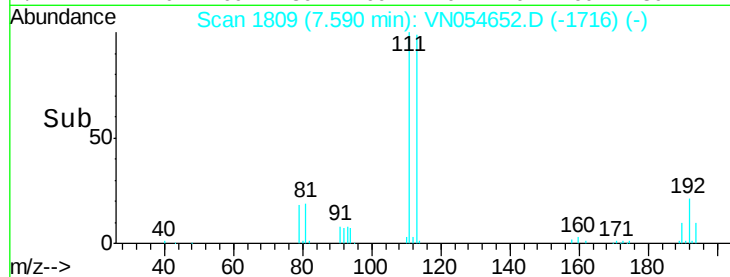
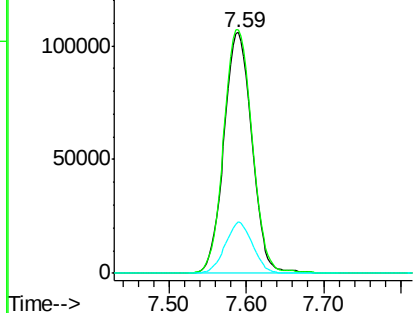
#35
 Dibromofluoromethane
 Concen: 46.887 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054652.D
 Acq: 24 Mar 2019 17:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	20.8	19.2	28.8

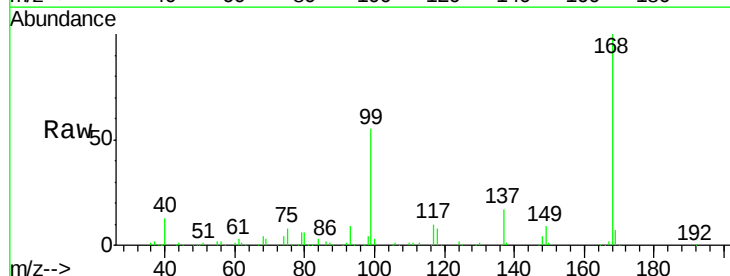


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

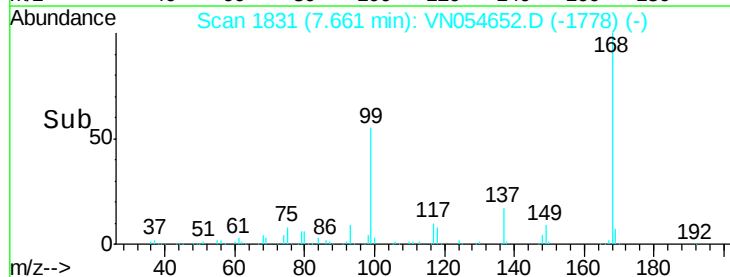
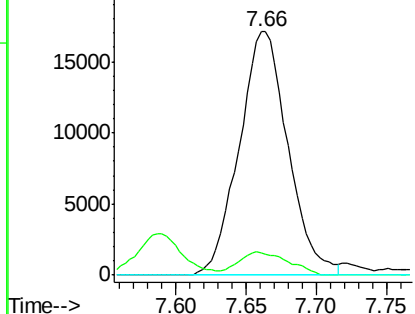


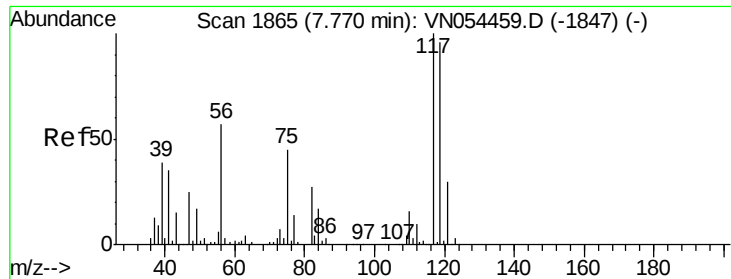
#36
 1,1-Dichloropropene
 Concen: 5.035 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054652.D
 Acq: 24 Mar 2019 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.1	57.5#
77	0.0	25.0	37.4#



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

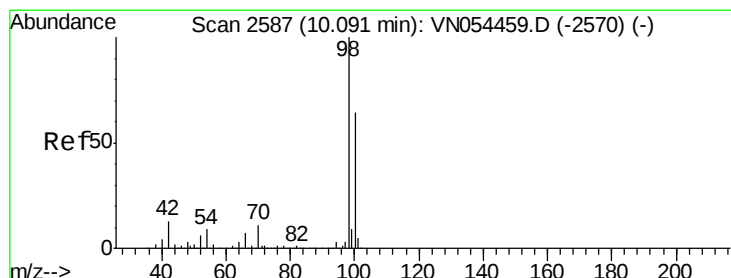
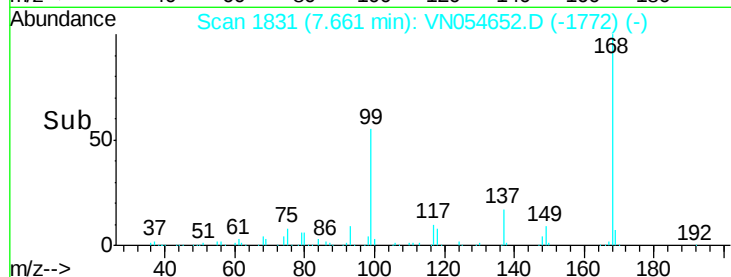
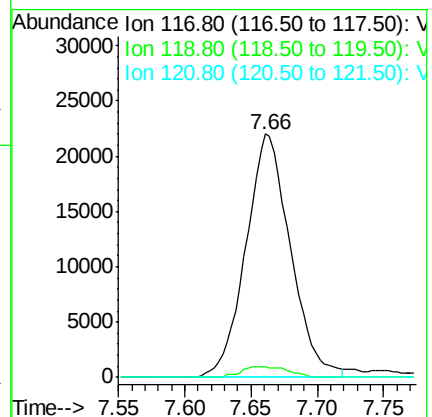
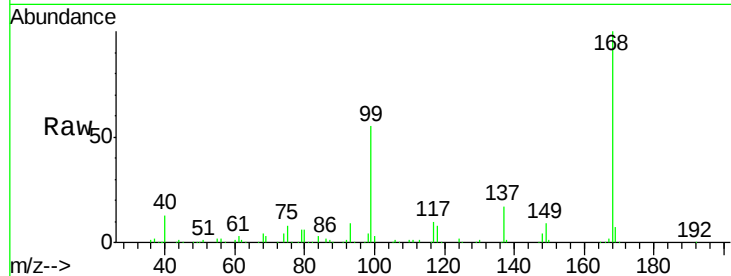




#38
Carbon Tetrachloride
Concen: 6.460 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN054652.D
Acq: 24 Mar 2019 17:00

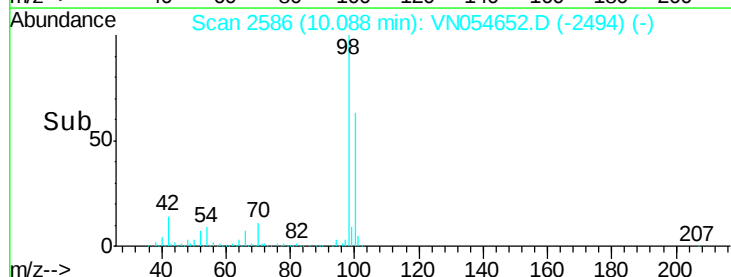
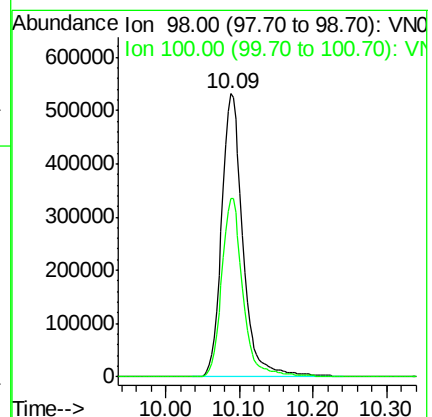
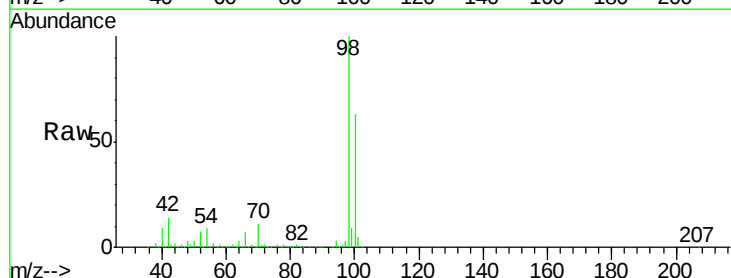
Instrument :
MSVOA_N
ClientSampleId :

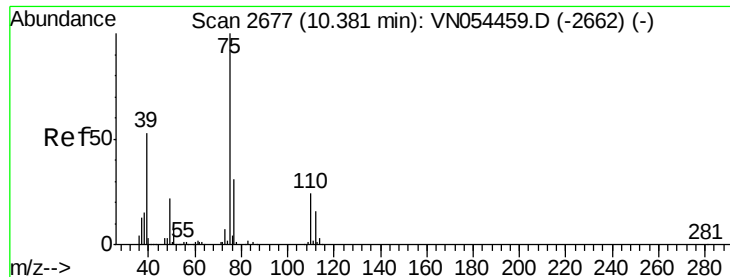
Tot Ion:117 Resp: 51613
Ion Ratio Lower Upper
117 100
119 4.3 76.3 114.5#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 50.114 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054652.D
Acq: 24 Mar 2019 17:00

Tgt Ion: 98 Resp: 1067268
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8





#53

t-1,3-Dichloropropene

Concen: 2.236 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.29 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

Instrument :

MSVOA_N

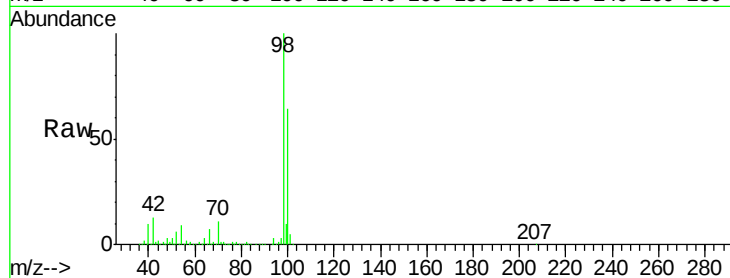
ClientSampled :

Tot Ion: 75 Resp: 31

Ion Ratio Lower Upper

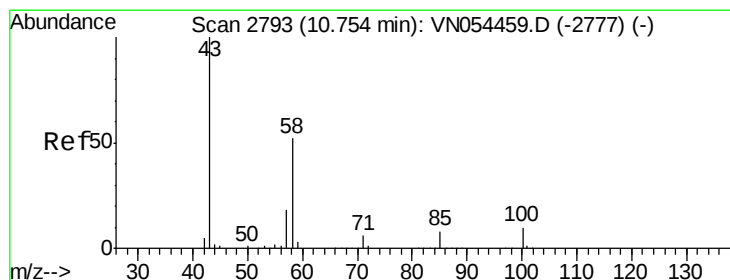
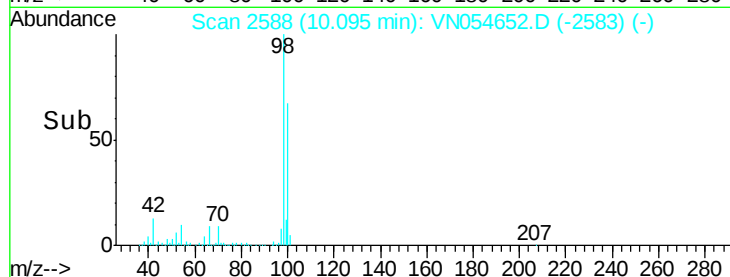
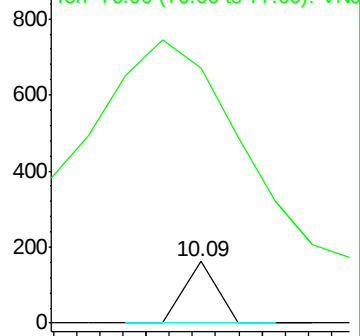
75 100

77 216.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#59

2-Hexanone

Concen: 2.759 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.04 min

Lab File: VN054652.D

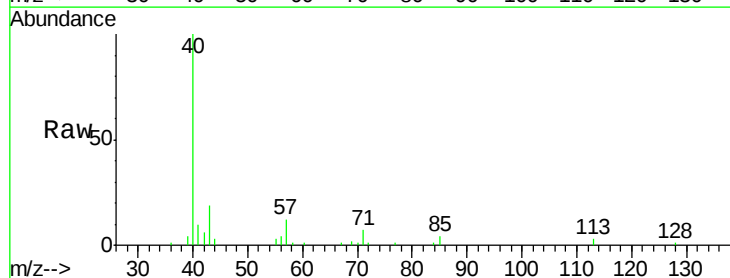
Acq: 24 Mar 2019 17:00

Tgt Ion: 43 Resp: 9863

Ion Ratio Lower Upper

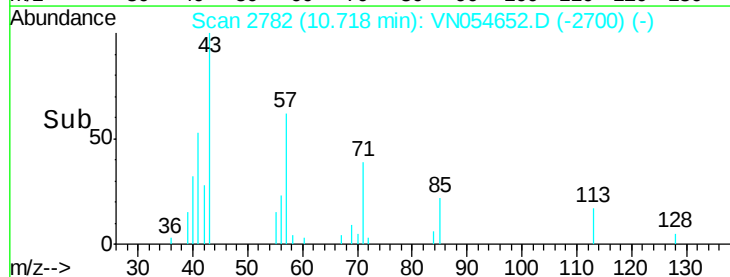
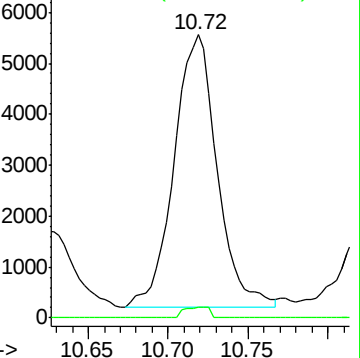
43 100

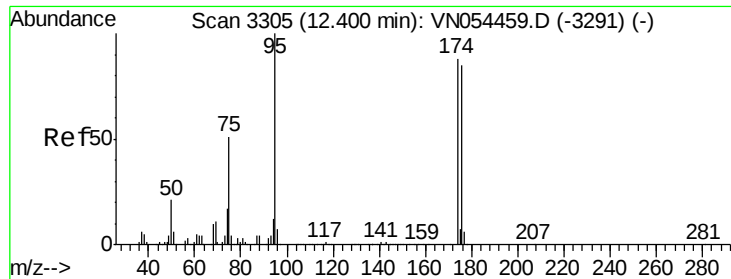
58 2.3 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.760 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

Instrument :

MSVOA_N

ClientSampled :

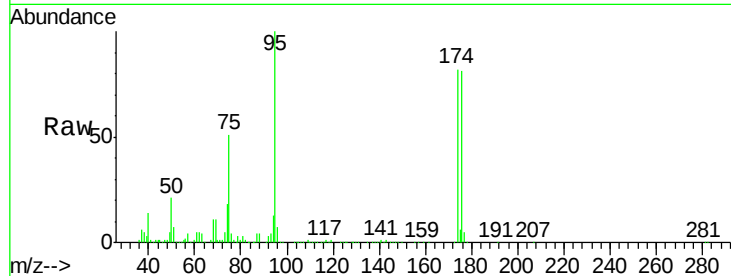
Tot Ion: 95 Resp: 353361

Ion Ratio Lower Upper

95 100

174 83.7 0.0 191.0

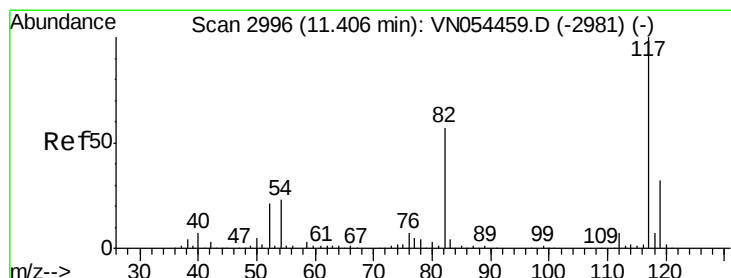
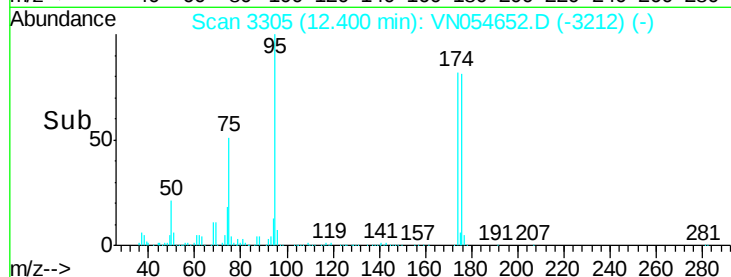
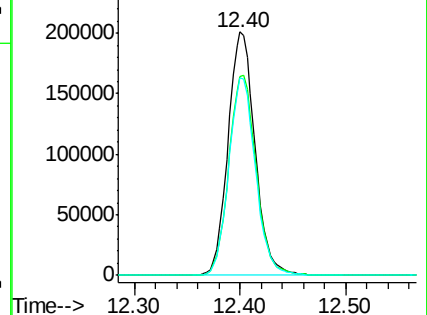
176 81.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

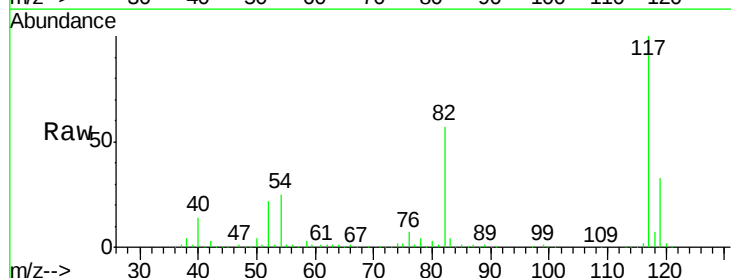
Tgt Ion: 117 Resp: 762693

Ion Ratio Lower Upper

117 100

82 56.6 40.0 60.0

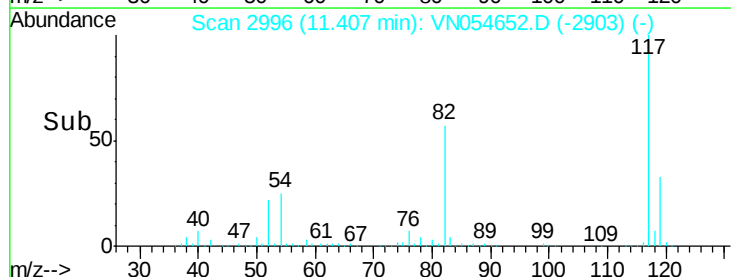
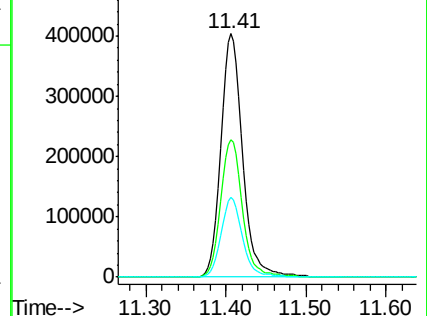
119 32.7 25.8 38.6

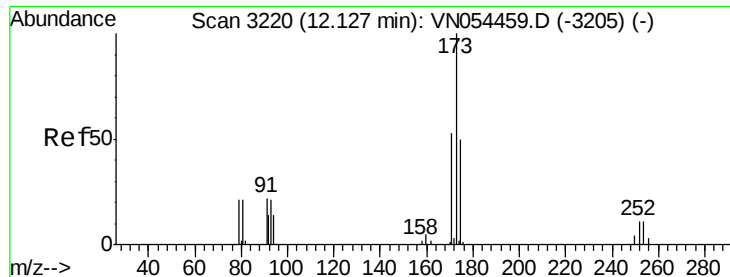


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)





#71

Bromoform

Concen: 2.454 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

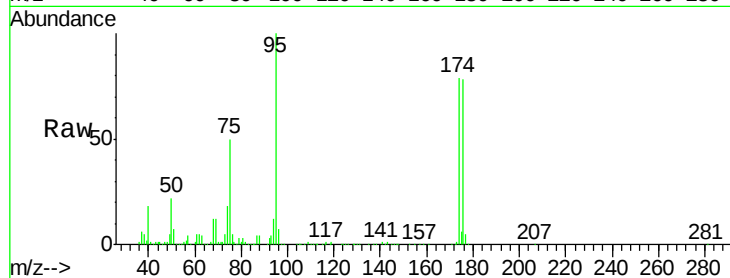
Tot Ion:173 Resp: 938

Ion Ratio Lower Upper

173 100

175 2085.7 24.4 73.2#

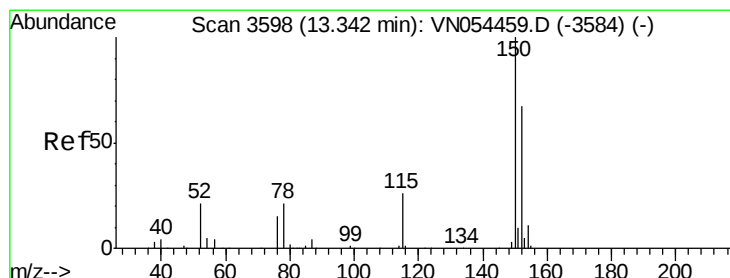
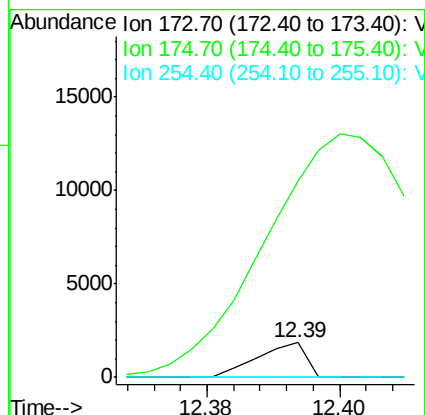
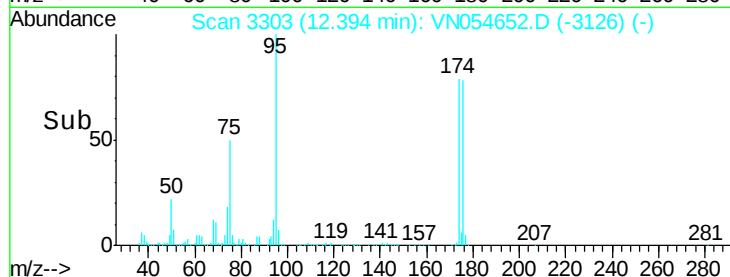
254 0.0 0.1 0.1#



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: VN054652.D

Acq: 24 Mar 2019 17:00

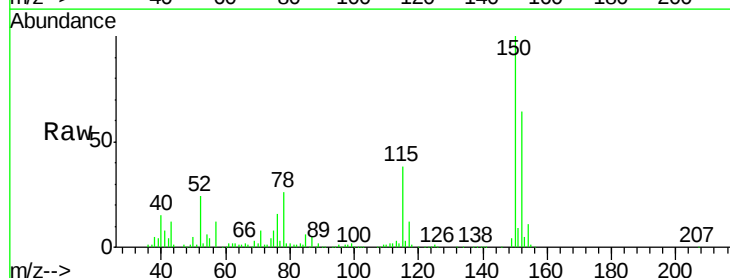
Tgt Ion:152 Resp: 321655

Ion Ratio Lower Upper

152 100

115 57.8 27.2 81.6

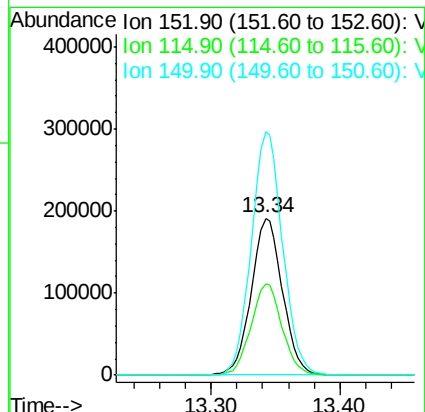
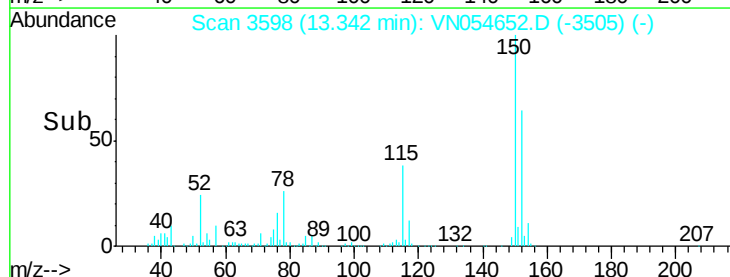
150 156.3 0.0 349.2

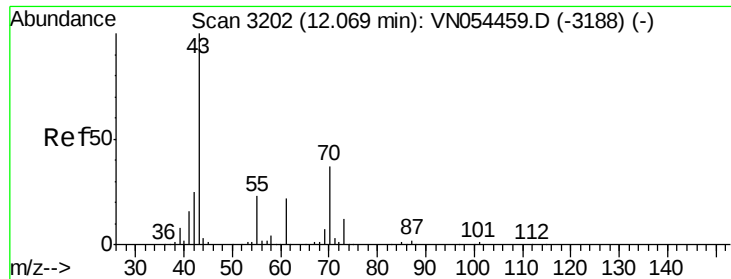


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 7.552 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054652.D

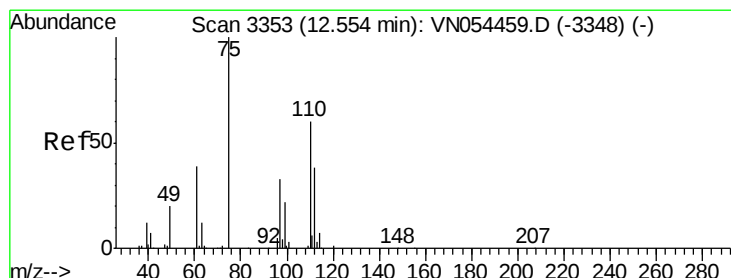
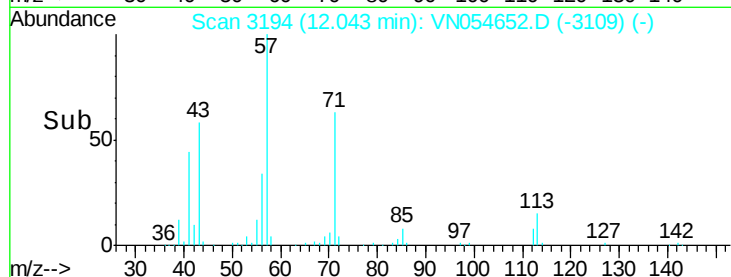
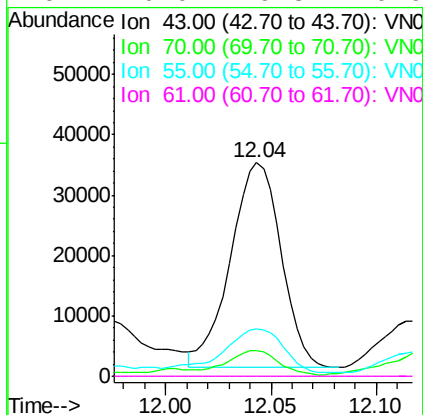
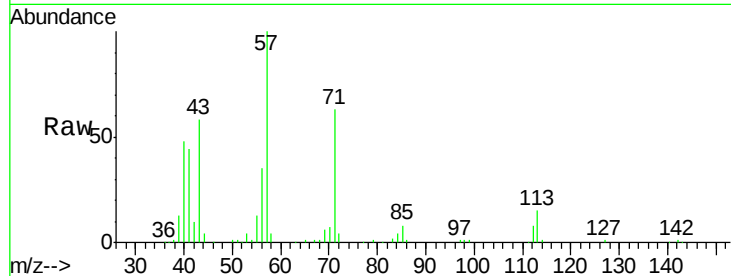
Acq: 24 Mar 2019 17:00

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	43	Resp:	56287
Ion	Ratio	Lower	Upper
43	100		
70	11.8	35.4	53.0#
55	26.0	19.8	29.6
61	0.0	19.8	29.6#



#76

1,2,3-Trichloropropane

Concen: 35.181 ug/l

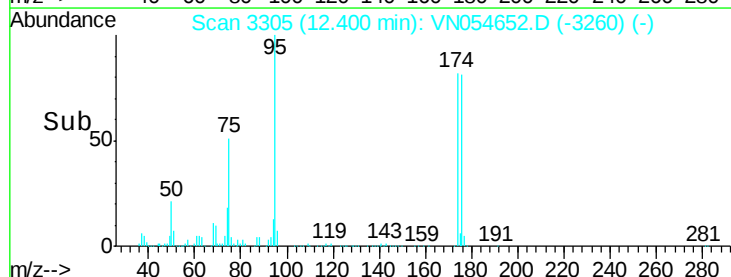
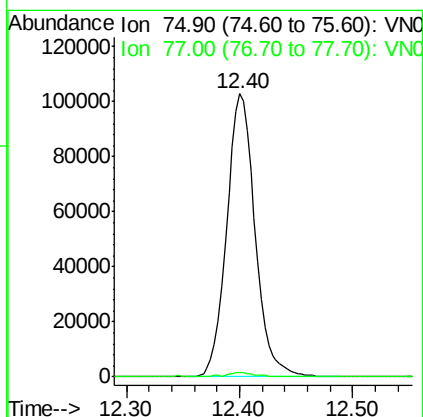
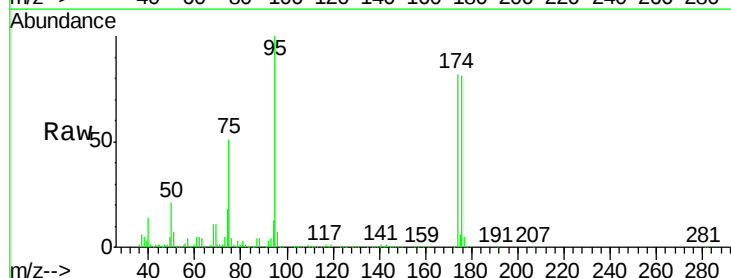
RT: 12.40 min Scan# 3305

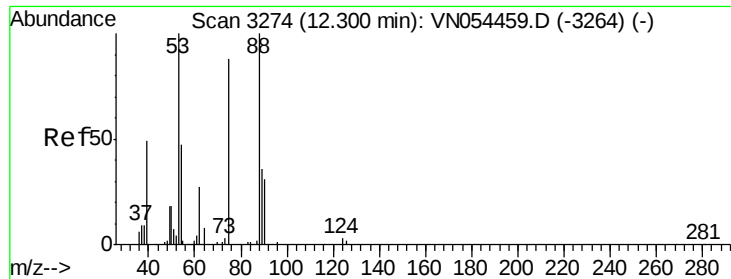
Delta R.T. -0.15 min

Lab File: VN054652.D

Acq: 24 Mar 2019 17:00

Tgt Ion:	75	Resp:	179571
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

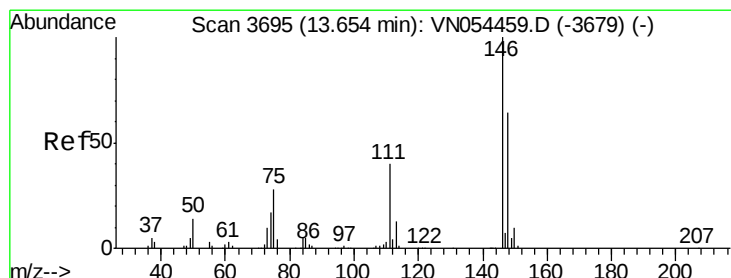
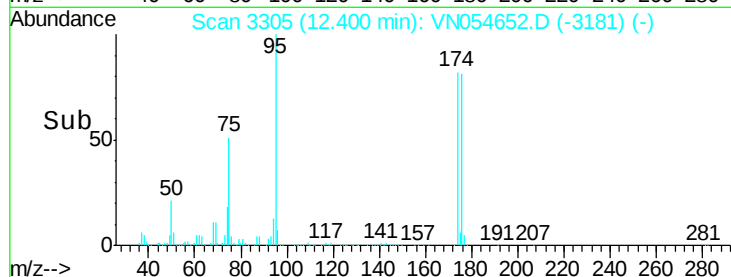
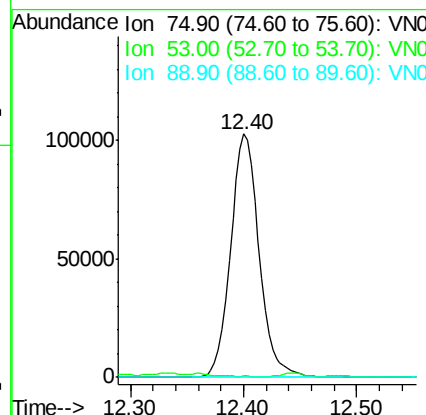
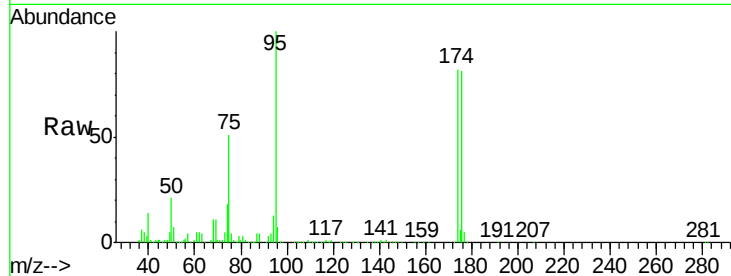




#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.760 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054652.D
 Acq: 24 Mar 2019 17:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 179571
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#



#91
 1,2-Dichlorobenzene
 Concen: 0.359 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN054652.D
 Acq: 24 Mar 2019 17:00

Tgt Ion: 146 Resp: 3701
 Ion Ratio Lower Upper
 146 100
 111 115.7 19.1 57.3#
 148 63.6 32.4 97.0

