

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054400.D
 Acq On : 18 Mar 2019 18:06
 Operator : JC/SP
 Sample : K1941-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:14:09 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	7.67	168	1919195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2712046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2230937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	764814	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	909056	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	
35) Dibromofluoromethane	7.59	113	825004	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	10.09	98	3119503	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.40	95	894338	39.57	ug/l	0.00
Spiked Amount			Recovery	=	79.14%	

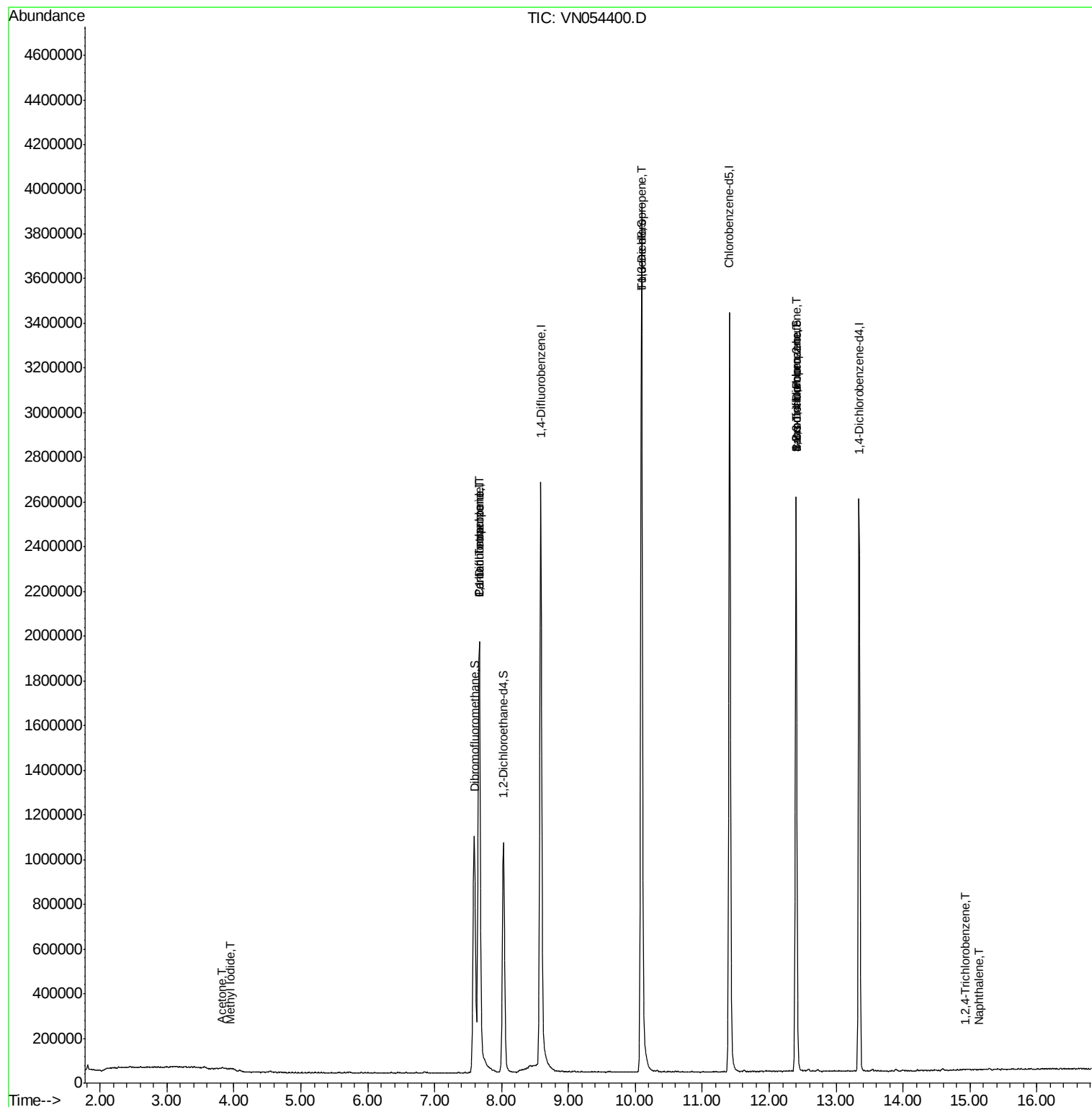
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	195	1.504	ug/l #	38
16) Acetone	3.82	43	5238	0.898	ug/l	100
31) Cyclohexane	7.66	56	28033	Below Cal	#	5
36) 1,1-Dichloropropene	7.66	75	110769	4.435	ug/l #	48
38) Carbon Tetrachloride	7.66	117	151828	5.797	ug/l #	17
53) t-1,3-Dichloropropene	10.09	75	537	2.005	ug/l #	1
71) Bromoform	12.40	173	5874	2.763	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	426676	37.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	426676	129.686	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.92	180	144	2.525	ug/l #	65
95) Naphthalene	15.14	128	1736	3.518	ug/l #	78

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

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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: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054400.D

Acq: 18 Mar 2019 18:06

Instrument :

MSVOA_N

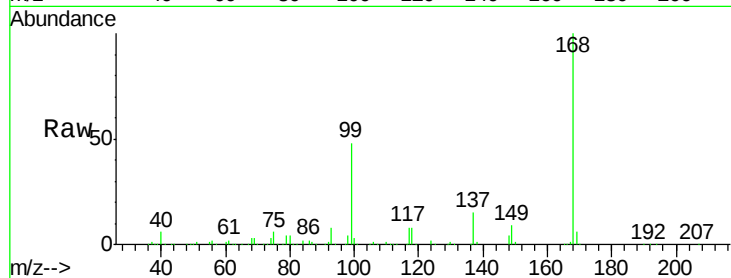
ClientSampled :

Tot Ion:168 Resp: 1919195

Ion Ratio Lower Upper

168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

800000

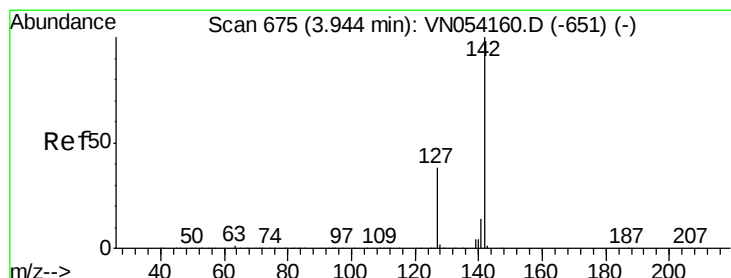
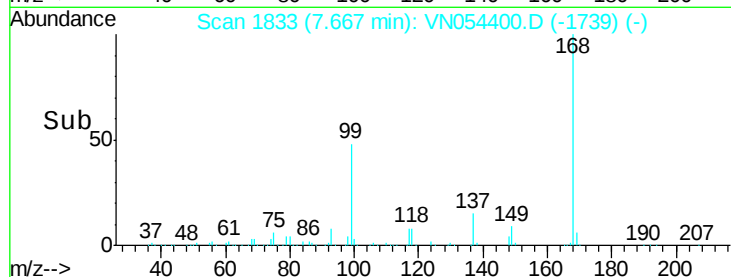
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.504 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN054400.D

Acq: 18 Mar 2019 18:06

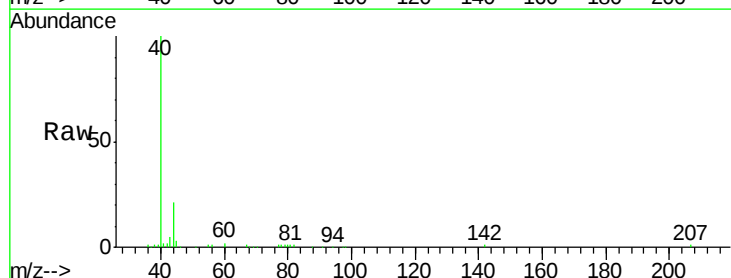
Tgt Ion:142 Resp: 195

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 38.5 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

3.95

400

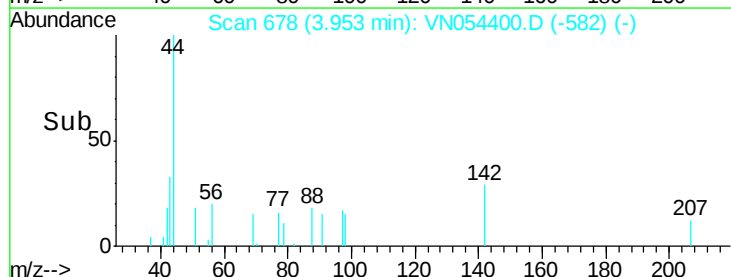
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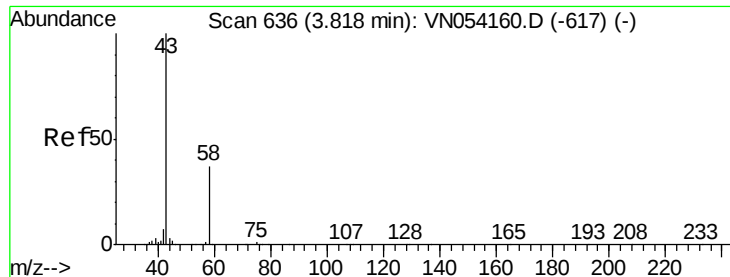
200

100

0

Time-->





#16

Acetone

Concen: 0.898 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054400.D

Acq: 18 Mar 2019 18:06

Instrument :

MSVOA_N

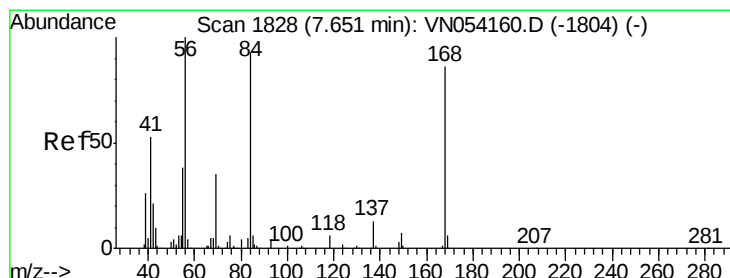
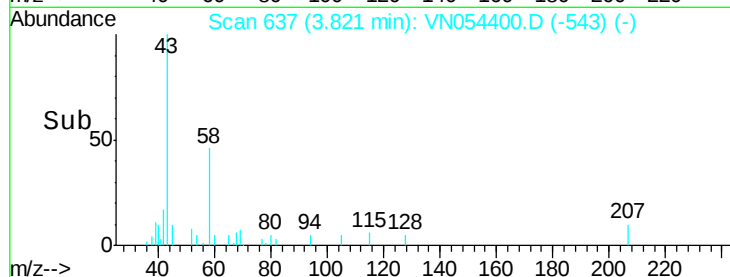
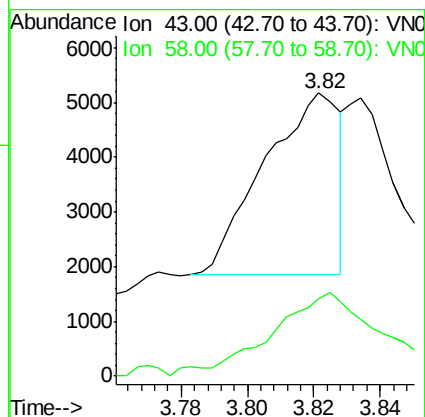
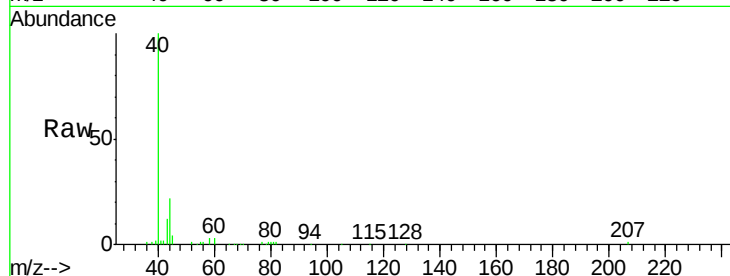
ClientSampleId :

Tot Ion: 43 Resp: 5238

Ion Ratio Lower Upper

43 100

58 37.5 29.9 44.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054400.D

Acq: 18 Mar 2019 18:06

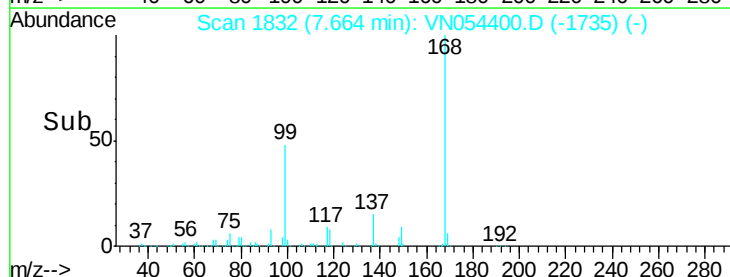
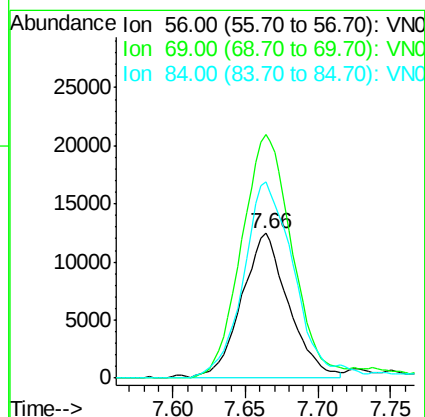
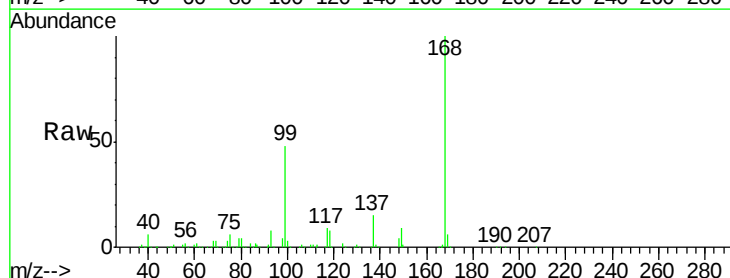
Tgt Ion: 56 Resp: 28033

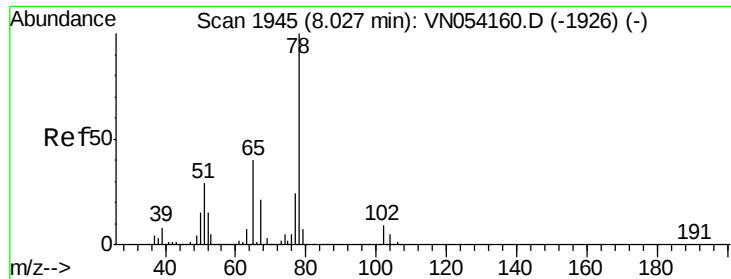
Ion Ratio Lower Upper

56 100

69 168.0 27.8 41.6#

84 135.4 74.6 111.8#

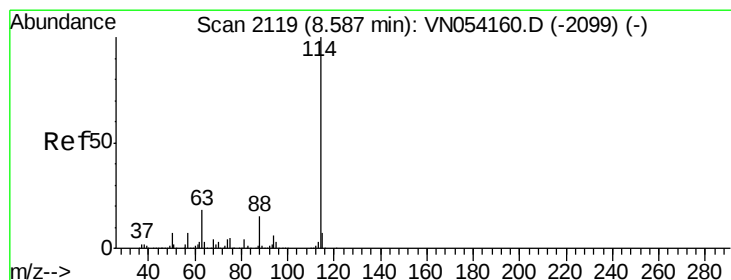
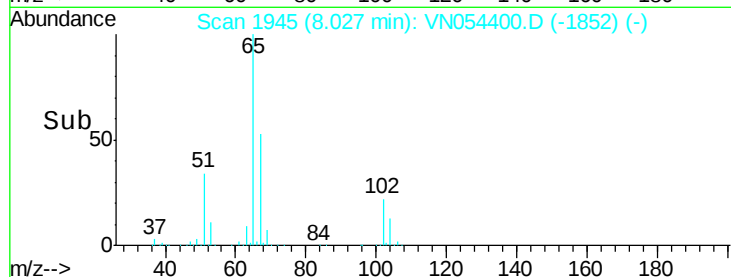
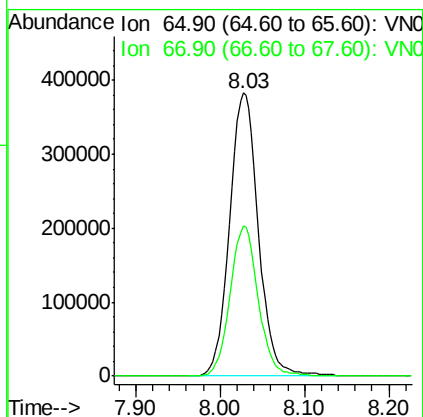
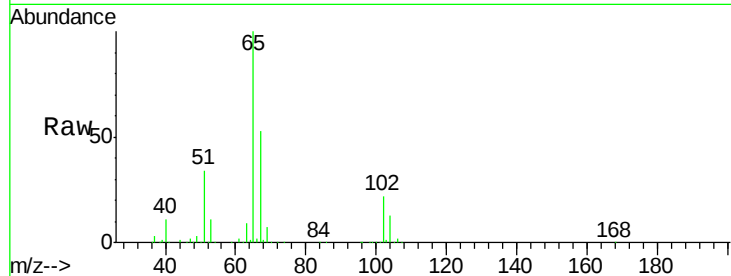




#33
 1,2-Dichloroethane-d4
 Concen: 44.601 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054400.D
 Acq: 18 Mar 2019 18:06

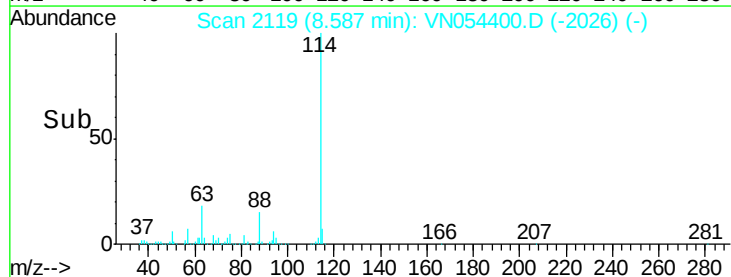
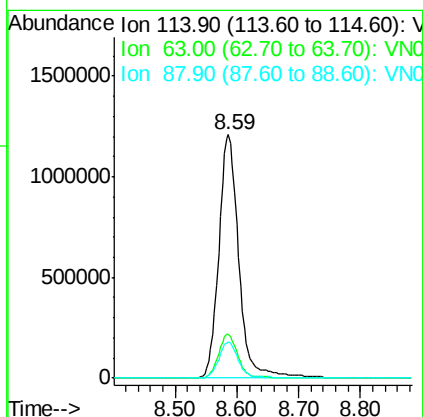
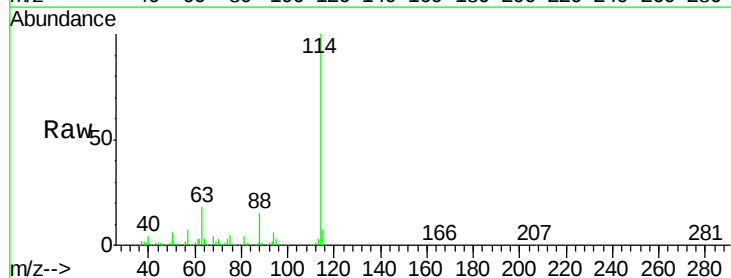
Instrument :
 MSVOA_N
 ClientSampled :

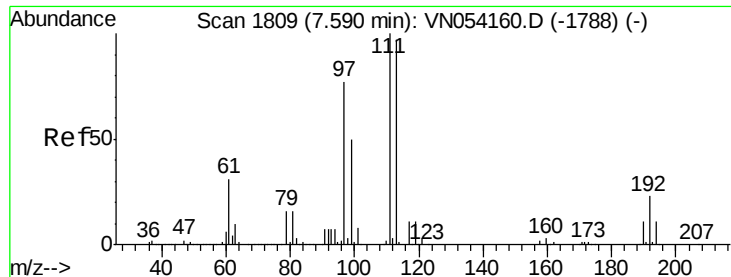
Tot Ion: 65 Resp: 909056
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054400.D
 Acq: 18 Mar 2019 18:06

Tgt Ion: 114 Resp: 2712046
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.9 0.0 30.2

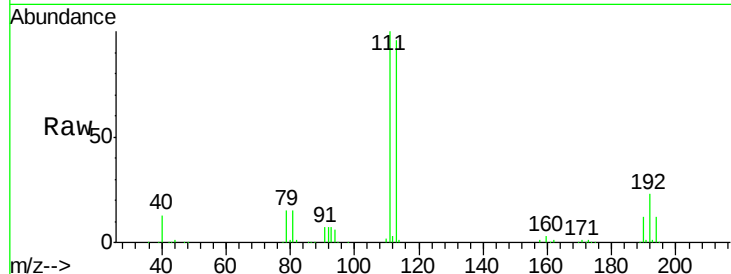




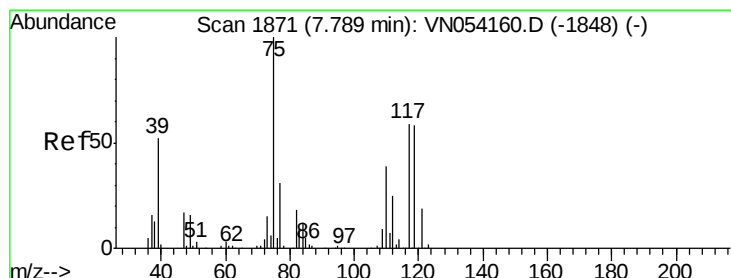
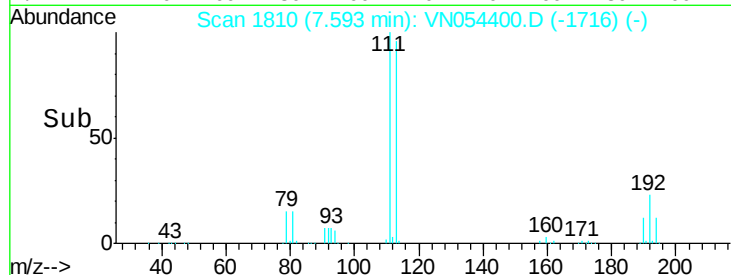
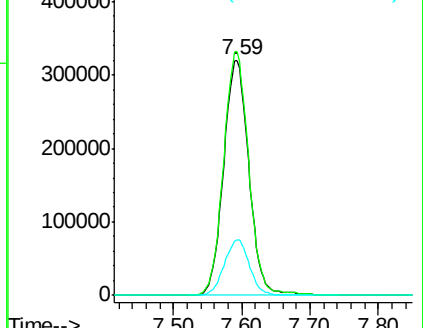
#35
Dibromofluoromethane
Concen: 47.166 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054400.D
Acq: 18 Mar 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 825004
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 23.6 19.2 28.8

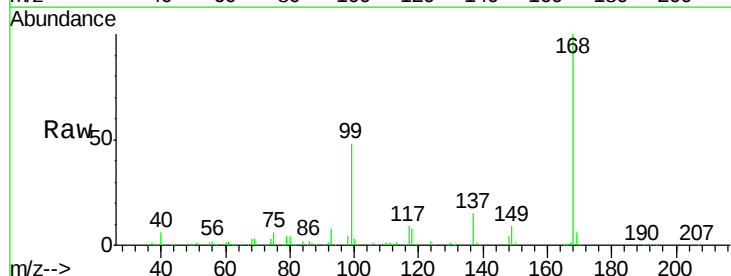


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

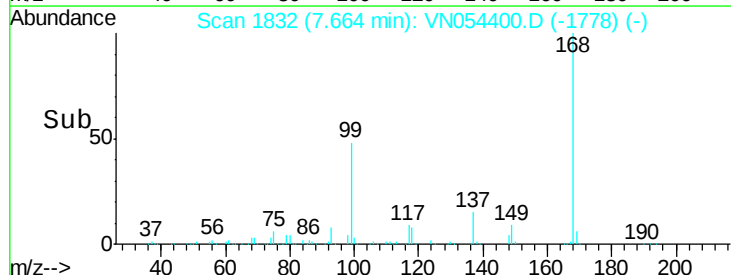
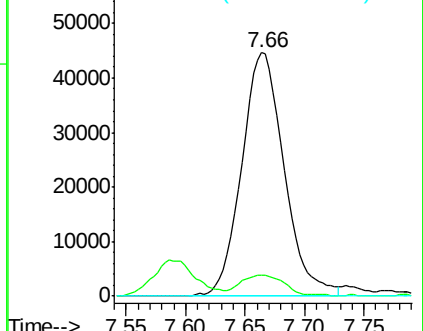


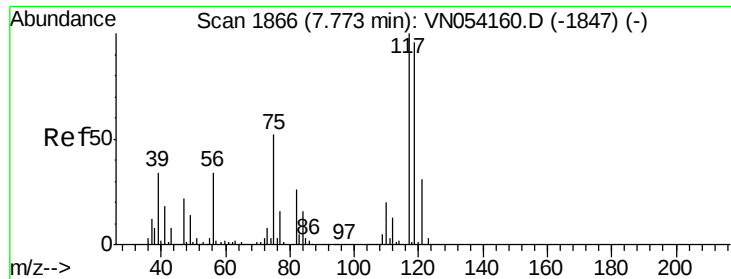
#36
1,1-Dichloropropene
Concen: 4.435 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN054400.D
Acq: 18 Mar 2019 18:06

Tgt Ion: 75 Resp: 110769
Ion Ratio Lower Upper
75 100
110 9.3 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: 5.797 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054400.D

Acq: 18 Mar 2019 18:06

Instrument :

MSVOA_N

ClientSampled :

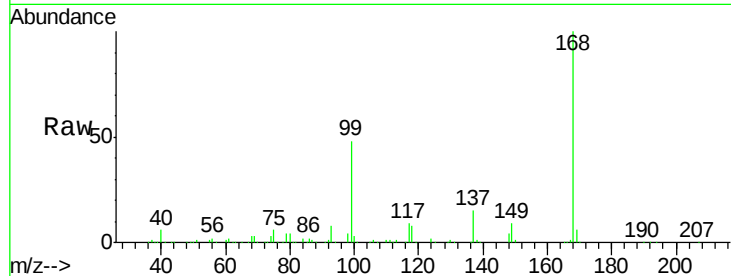
Tot Ion:117 Resp: 151828

Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

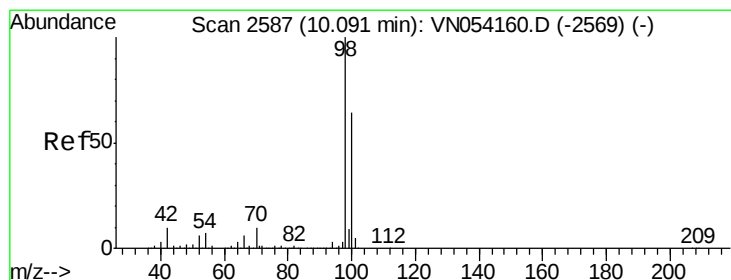
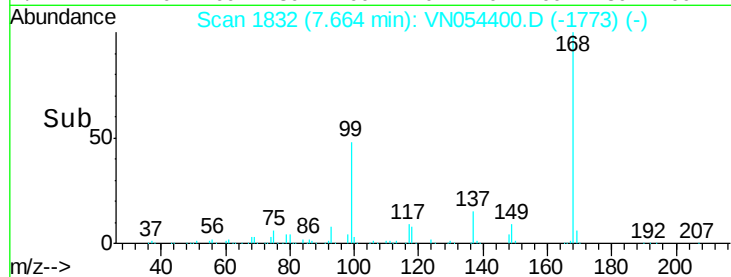
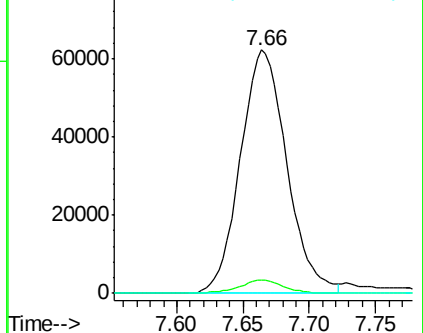
121 0.0 24.6 36.8#



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: 48.290 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054400.D

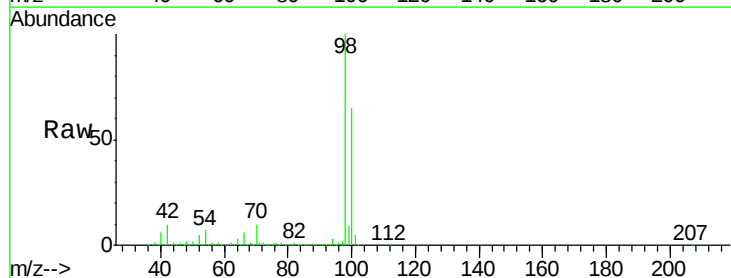
Acq: 18 Mar 2019 18:06

Tgt Ion: 98 Resp: 3119503

Ion Ratio Lower Upper

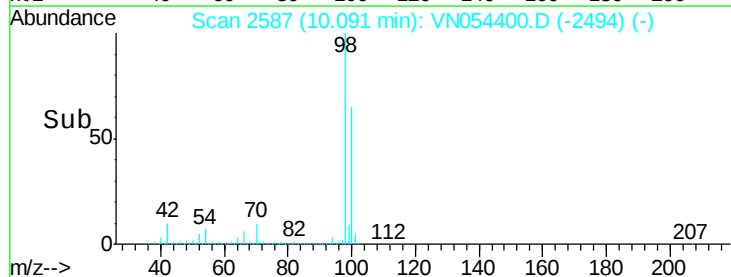
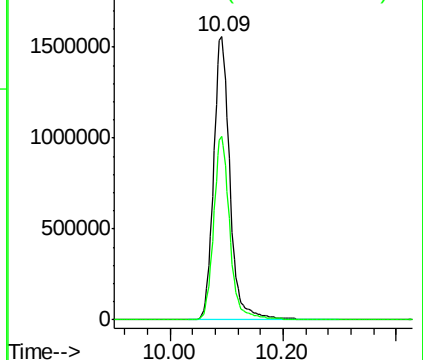
98 100

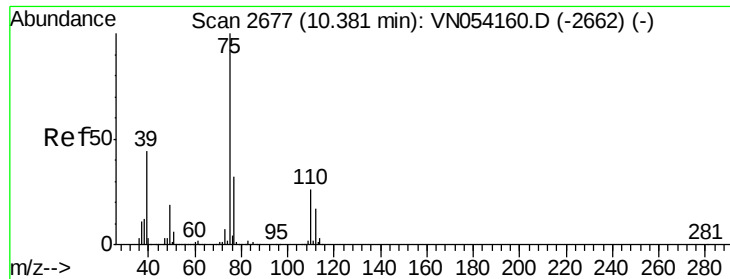
100 63.9 51.2 76.8



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: 2.005 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.29 min

Lab File: VN054400.D

Acq: 18 Mar 2019 18:06

Instrument :

MSVOA_N

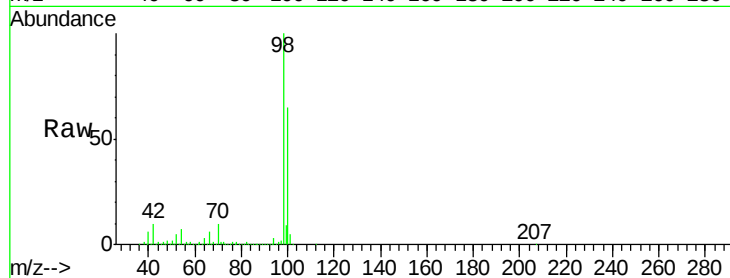
ClientSampled :

Tot Ion: 75 Resp: 537

Ion Ratio Lower Upper

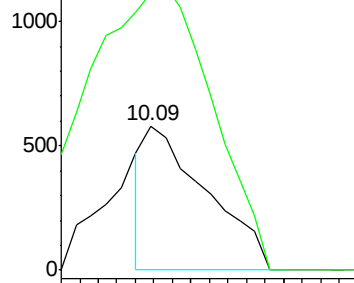
75 100

77 192.1 25.8 38.8#

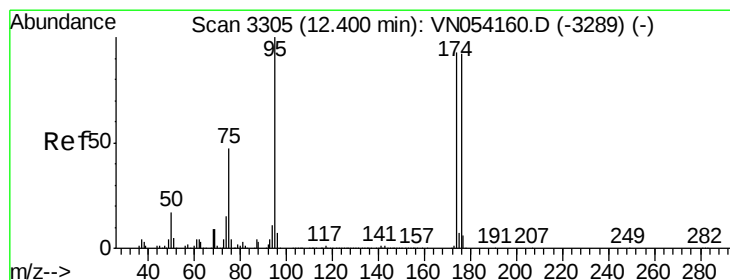
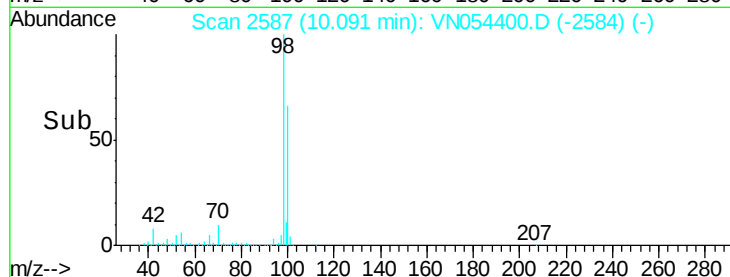


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 39.567 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054400.D

Acq: 18 Mar 2019 18:06

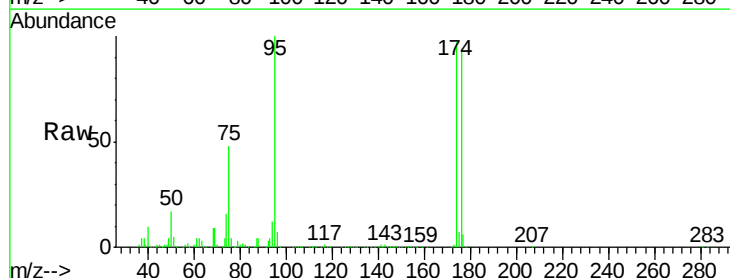
Tgt Ion: 95 Resp: 894338

Ion Ratio Lower Upper

95 100

174 96.7 0.0 191.0

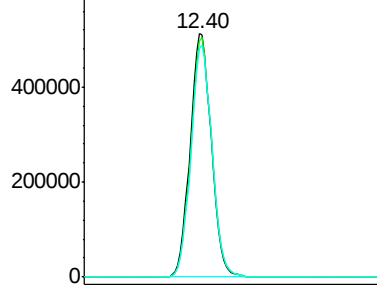
176 94.6 0.0 187.4



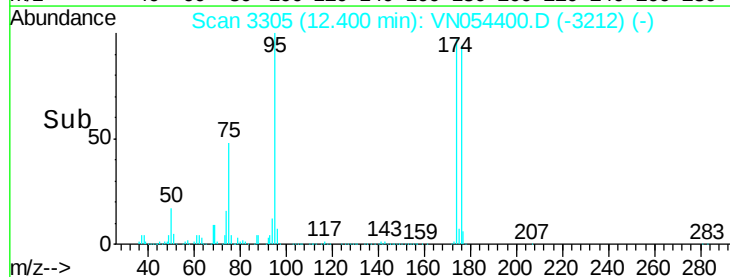
Abundance Ion 94.90 (94.60 to 95.60): VN0

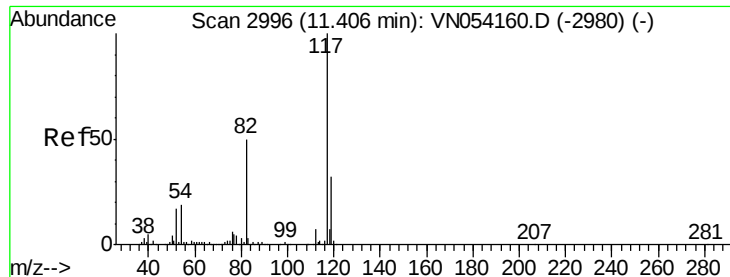
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

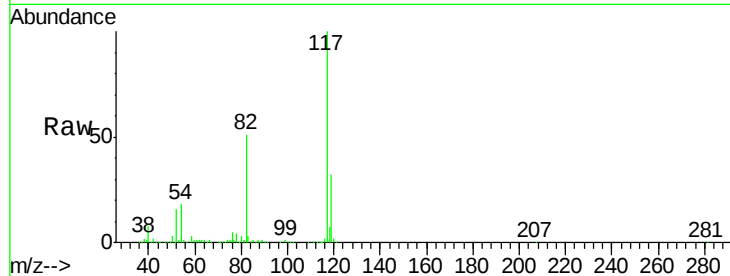




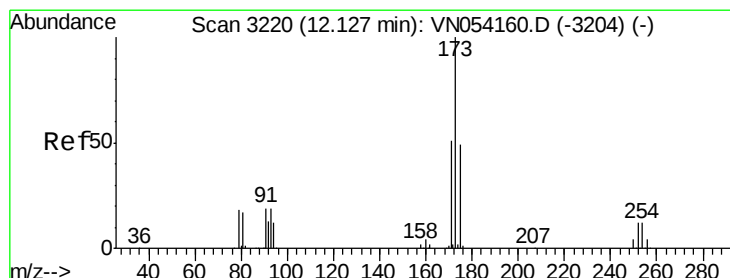
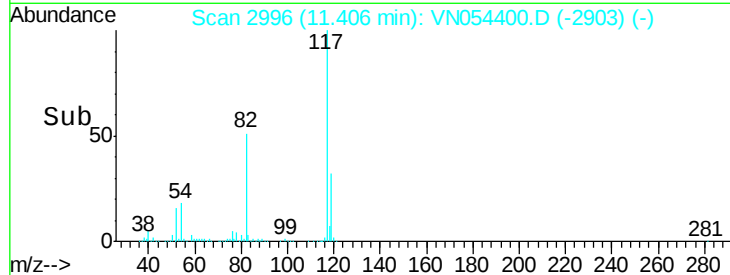
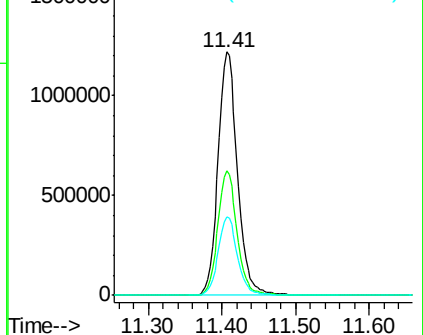
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054400.D
Acq: 18 Mar 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2230937
Ion Ratio Lower Upper
117 100
82 51.2 40.0 60.0
119 32.2 25.8 38.6

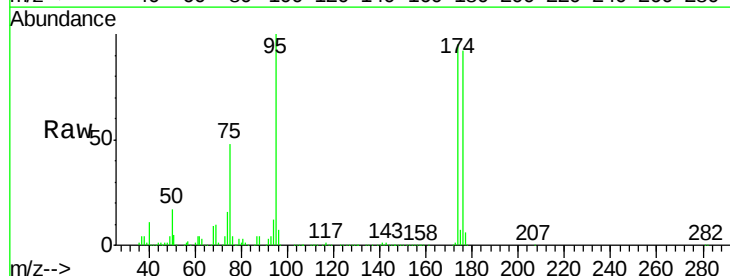


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

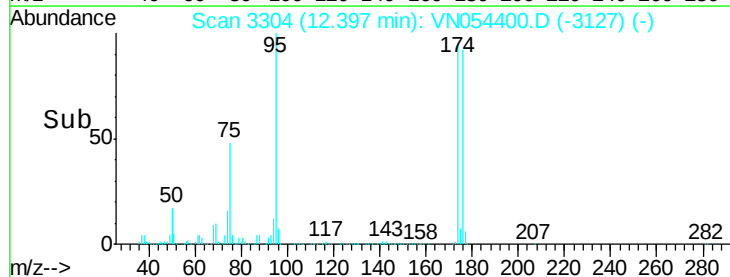
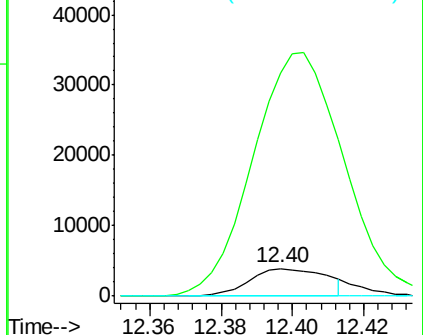


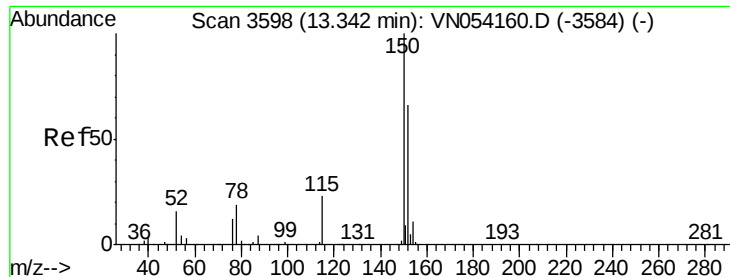
#71
Bromoform
Concen: 2.763 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054400.D
Acq: 18 Mar 2019 18:06

Tgt Ion:173 Resp: 5874
Ion Ratio Lower Upper
173 100
175 888.3 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: VN054400.D

Acq: 18 Mar 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

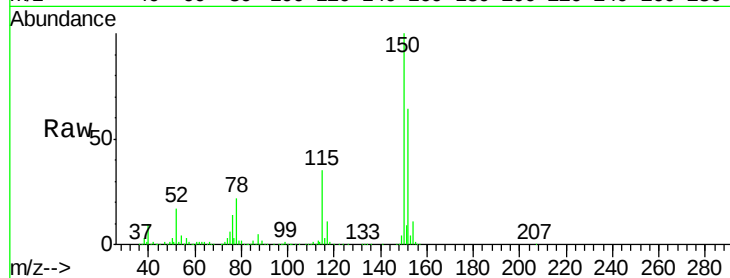
Tot Ion:152 Resp: 764814

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.6

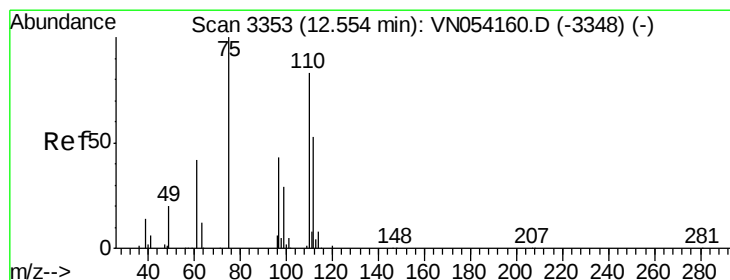
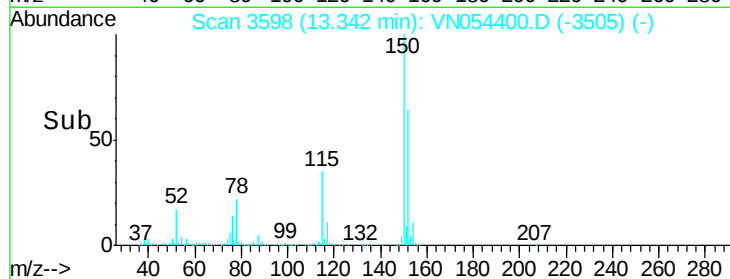
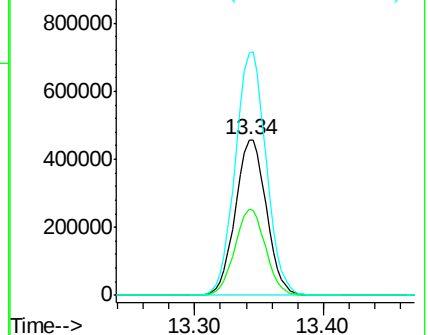
150 156.1 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 37.937 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054400.D

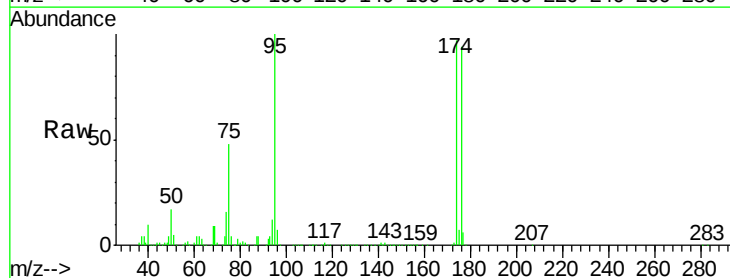
Acq: 18 Mar 2019 18:06

Tgt Ion: 75 Resp: 426676

Ion Ratio Lower Upper

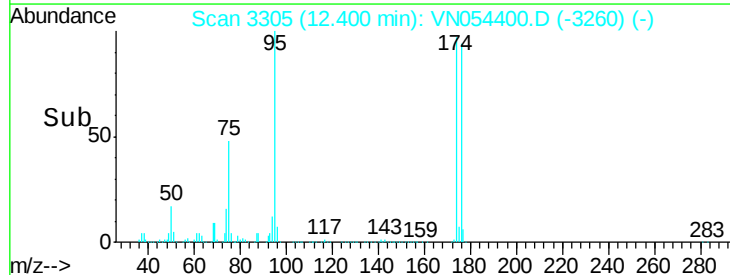
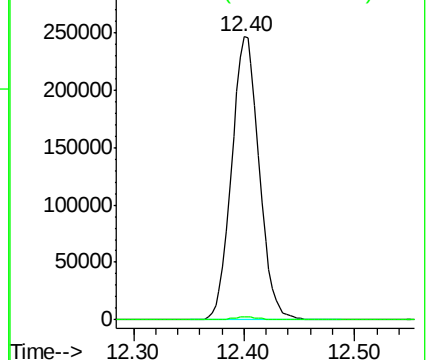
75 100

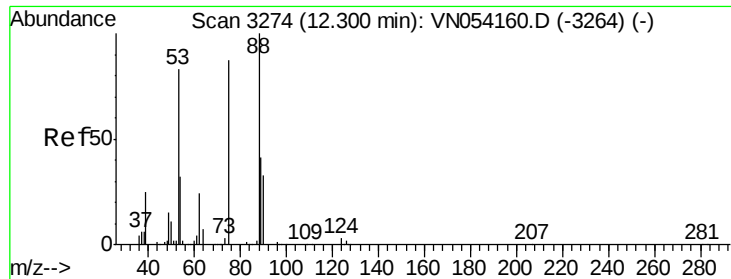
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

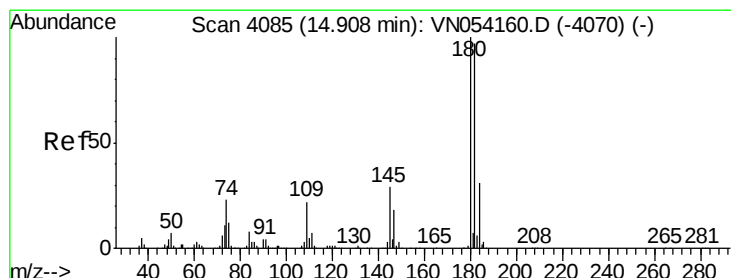
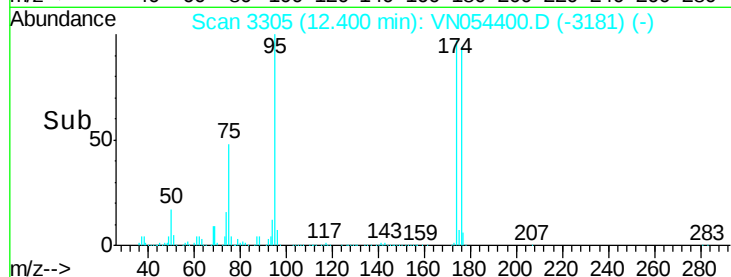
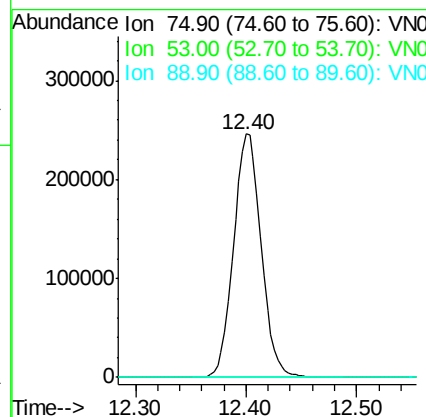
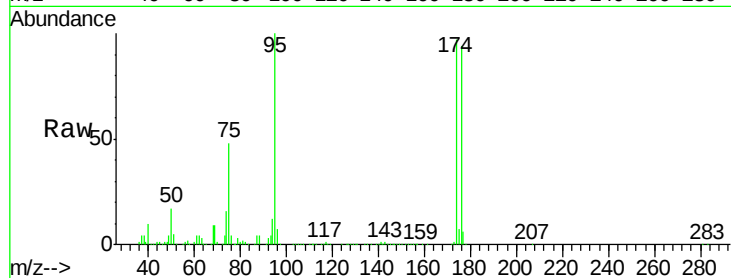




#81
trans-1,4-Dichloro-2-butene
Concen: 129.686 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054400.D
Acq: 18 Mar 2019 18:06

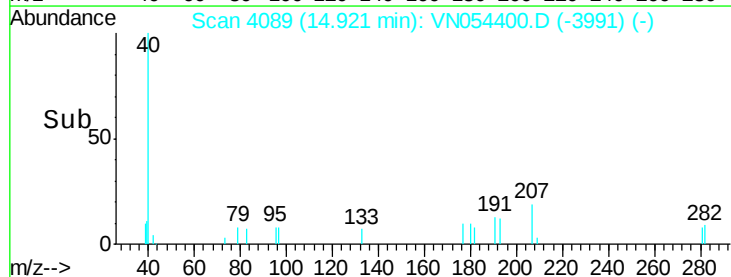
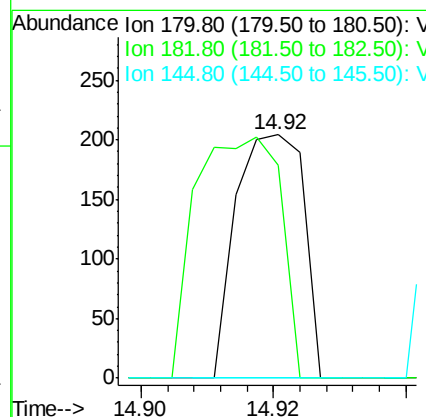
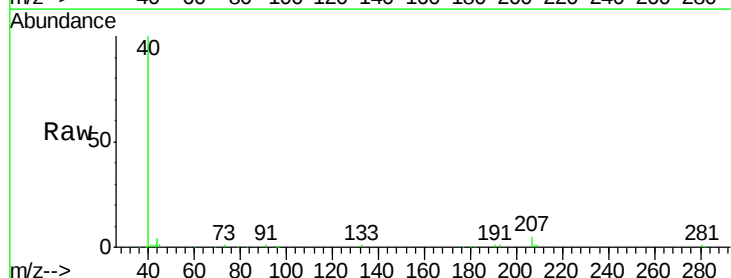
Instrument :
MSVOA_N
ClientSampleId :

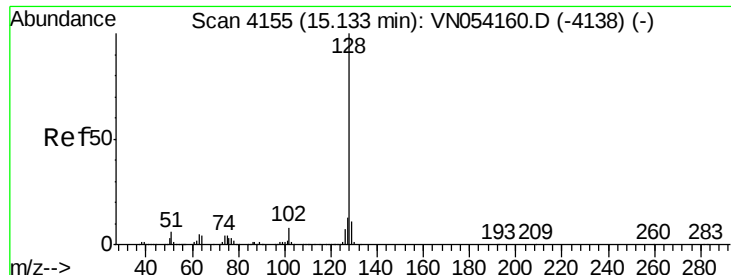
Tot Ion: 75 Resp: 426676
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.525 ug/l
RT: 14.92 min Scan# 4089
Delta R.T. 0.01 min
Lab File: VN054400.D
Acq: 18 Mar 2019 18:06

Tgt Ion:180 Resp: 144
Ion Ratio Lower Upper
180 100
182 124.3 48.0 144.2
145 0.0 14.2 42.8#





#95

Naphthalene

Concen: 3.518 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

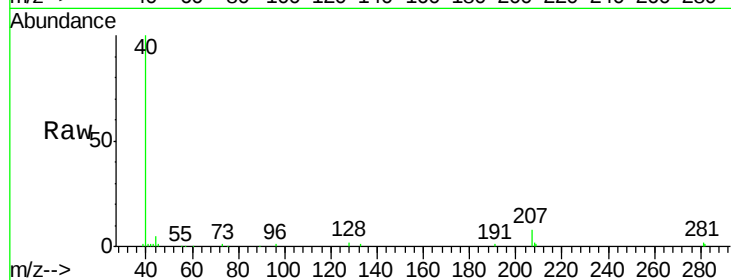
Lab File: VN054400.D

Acq: 18 Mar 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	128	Resp:	1736
Ion	Ratio	Lower	Upper
128	100		
127	4.3	10.1	15.1#
129	1.8	8.7	13.1#

