

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051990.D
 Acq On : 24 Oct 2018 16:13
 Operator : MD\SY
 Sample : J5393-12RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	155161	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	870237	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	736734	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	272677	28.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.27%
60) 4-Bromofluorobenzene	12.40	95	282933	26.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.77%
63) Toluene-d8	10.09	98	972052	30.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.30%

Target Compounds

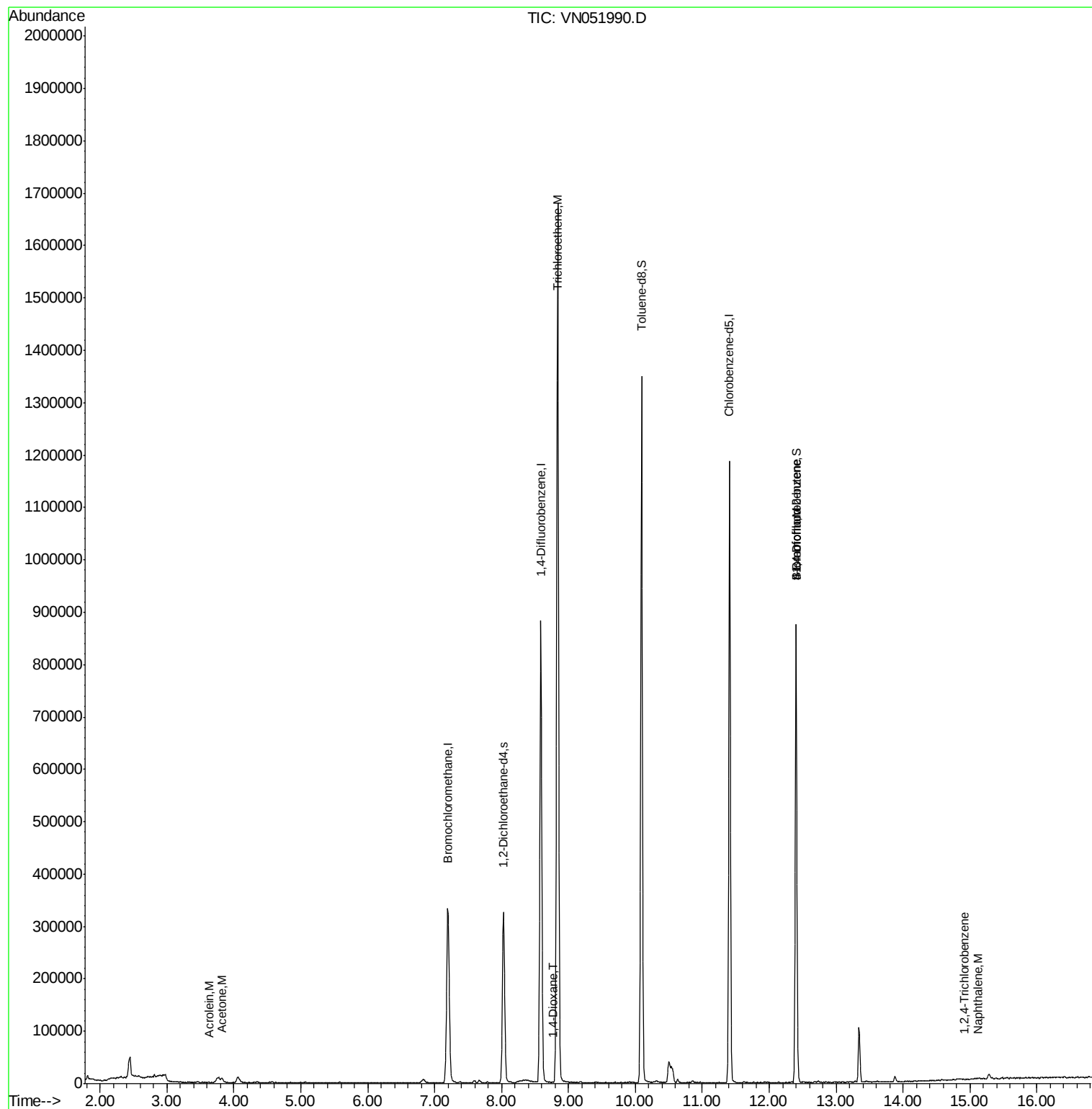
					Ovalue	
13) Acrolein	3.63	56	179	0.612	ug/l #	49
15) Acetone	3.82	58	5252	10.716	ug/l	72
37) Trichloroethene	8.84	130	673373	65.375	ug/l	96
45) 1,4-Dioxane	8.76	88	105	1.286	ug/l #	1
56) Bromoform	12.40	173	2873	0.439	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	134876	60.887	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.91	180	519	7.771	ug/l	91
91) Naphthalene	15.14	128	772	8.565	ug/l #	70

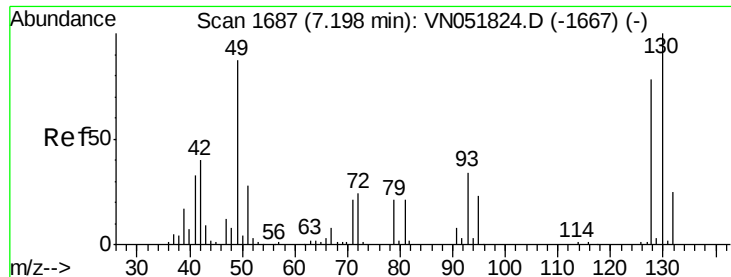
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051990.D

Acq: 24 Oct 2018 16:13

Instrument :
MSVOA_N
ClientSampled :

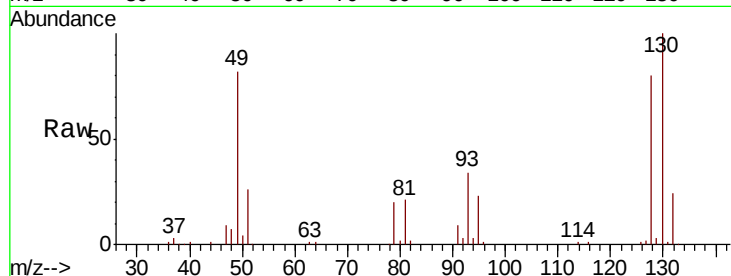
Tot Ion:128 Resp: 155161

Ion Ratio Lower Upper

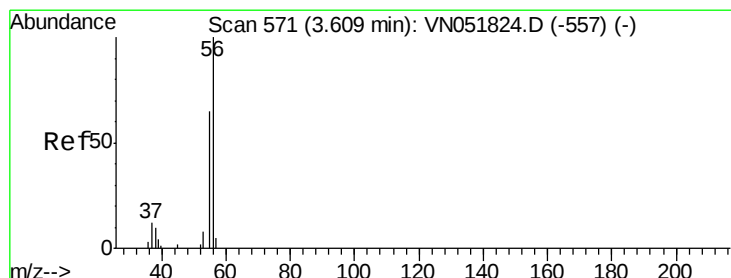
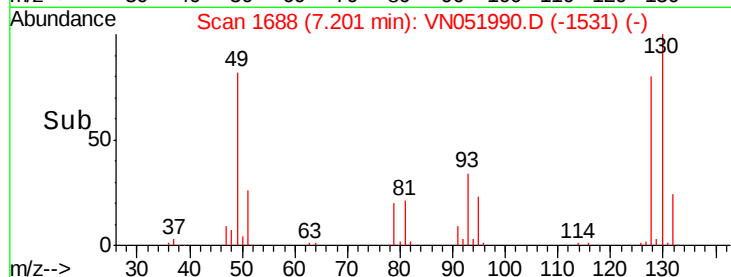
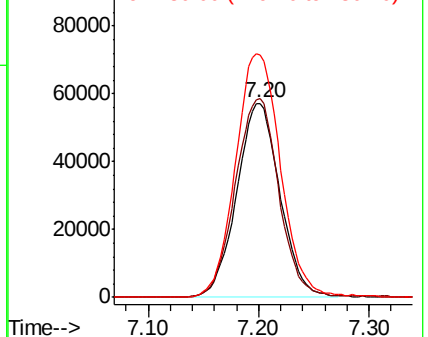
128 100

49 103.1 0.0 403.3

130 130.7 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.612 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN051990.D

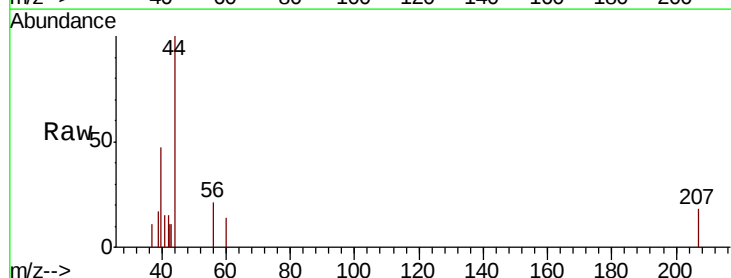
Acq: 24 Oct 2018 16:13

Tgt Ion: 56 Resp: 179

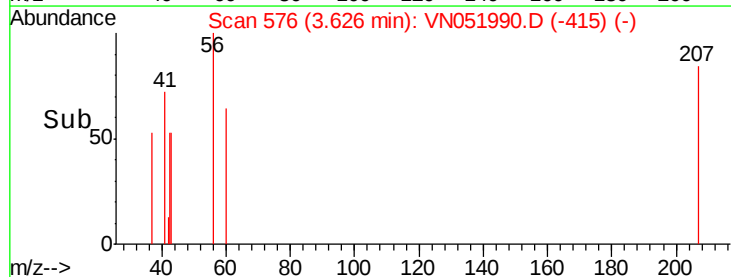
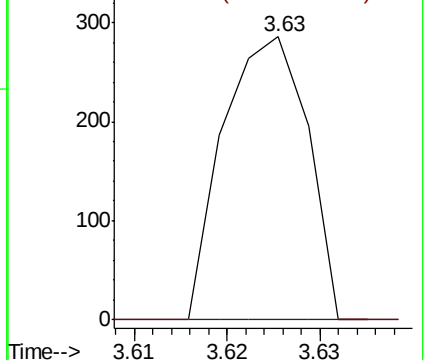
Ion Ratio Lower Upper

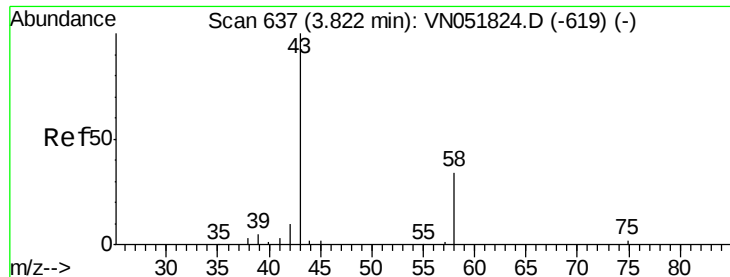
56 100

55 35.2 64.0 96.0#



Abundance Ion 56.00 (55.70 to 56.70): V
Ion 55.00 (54.70 to 55.70): V





#15

Acetone

Concen: 10.716 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051990.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_N

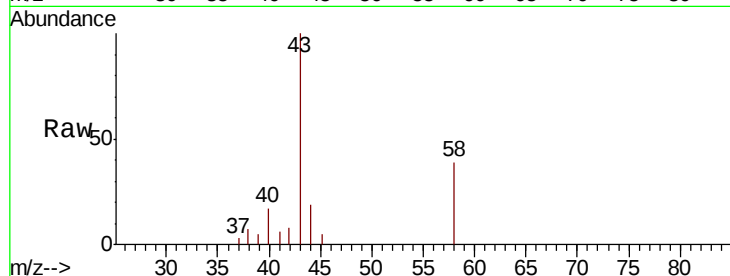
ClientSampled :

Tot Ion: 58 Resp: 5252

Ion Ratio Lower Upper

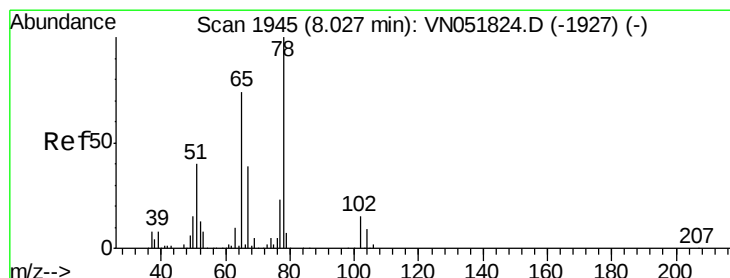
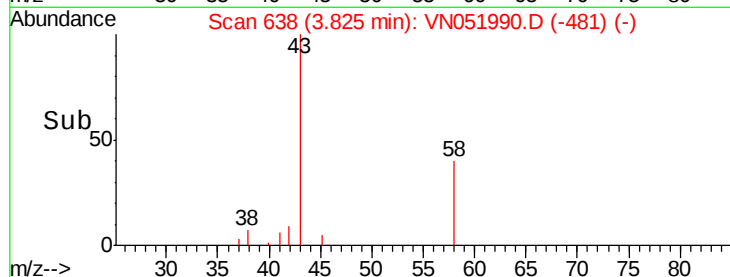
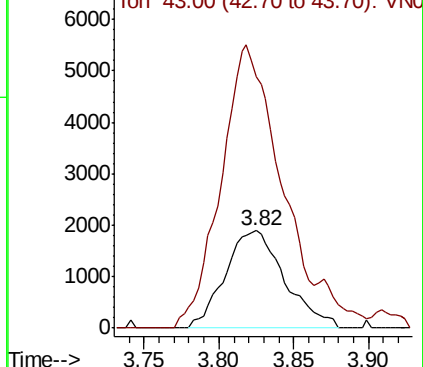
58 100

43 235.8 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051824.D (-619) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-619) (-)



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051990.D

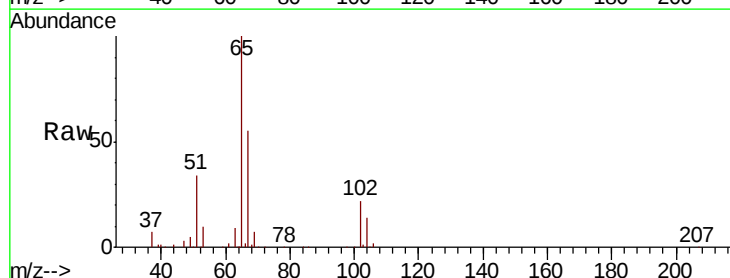
Acq: 24 Oct 2018 16:13

Tgt Ion: 65 Resp: 272677

Ion Ratio Lower Upper

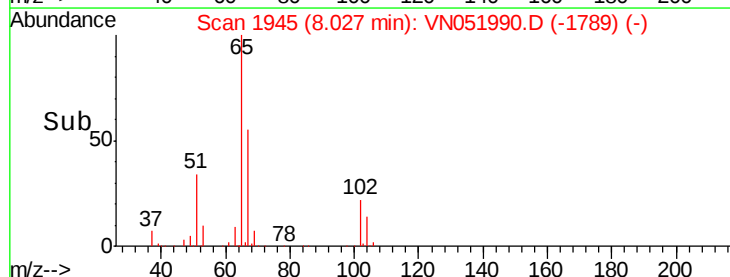
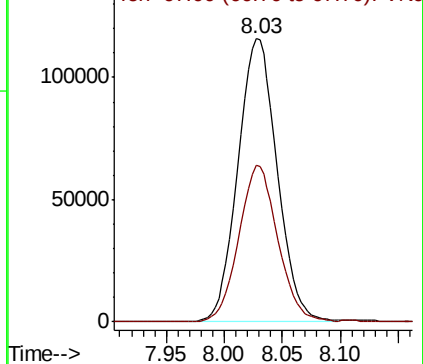
65 100

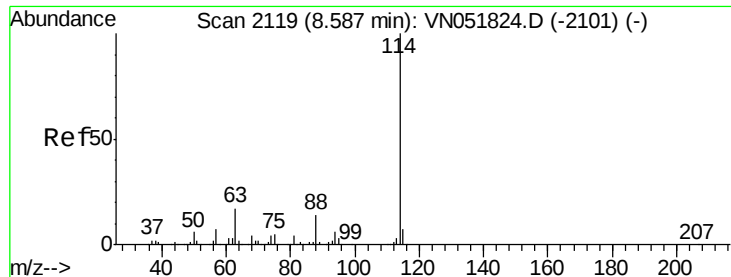
67 54.7 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051824.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051824.D (-1927) (-)

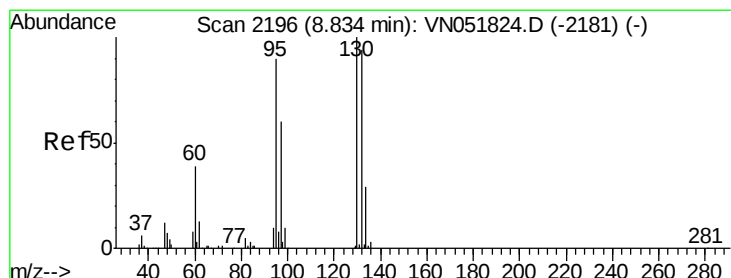
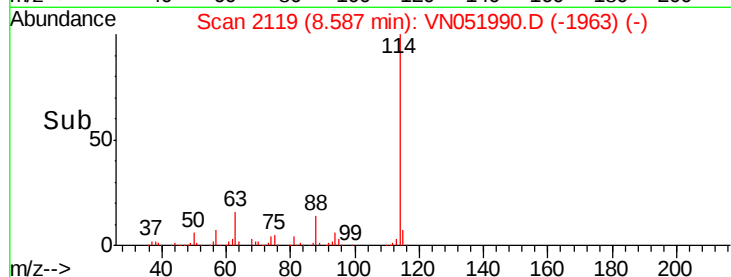
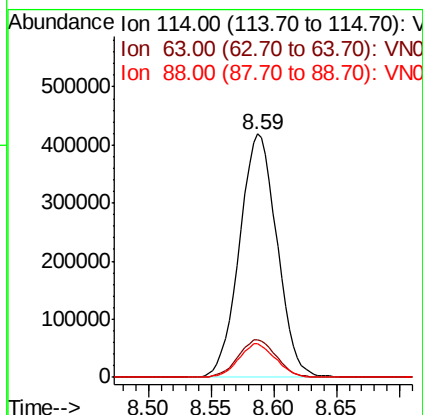
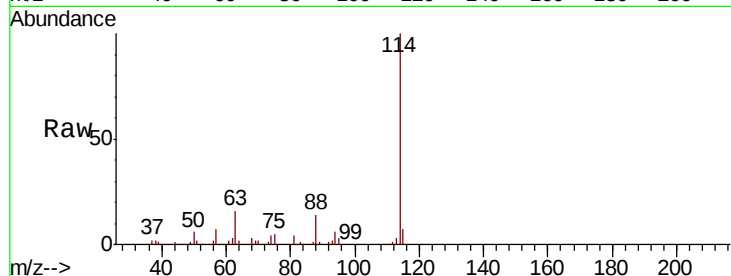




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051990.D
 Acq: 24 Oct 2018 16:13

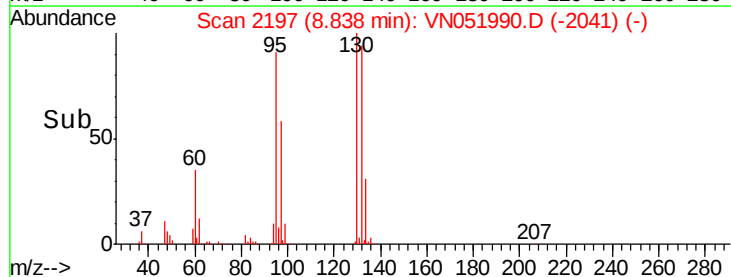
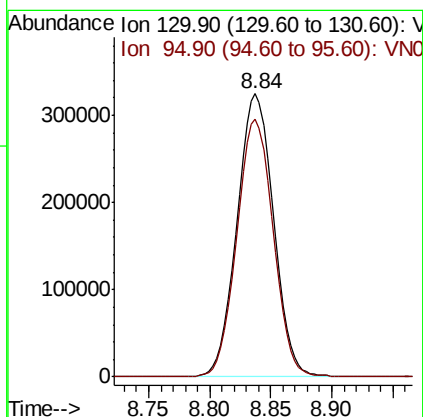
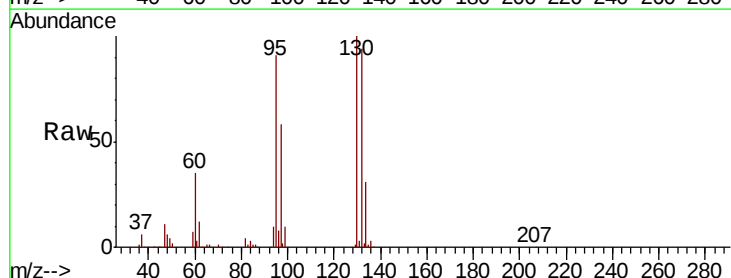
Instrument :
 MSVOA_N
 ClientSampleId :

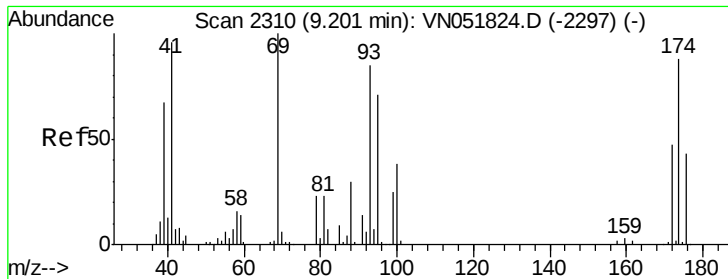
Tot Ion:114 Resp: 870237
 Ion Ratio Lower Upper
 114 100
 63 15.8 16.2 24.2#
 88 13.7 12.2 18.4



#37
 Trichloroethene
 Concen: 65.375 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051990.D
 Acq: 24 Oct 2018 16:13

Tgt Ion:130 Resp: 673373
 Ion Ratio Lower Upper
 130 100
 95 91.2 76.4 114.6





#45

1,4-Dioxane

Concen: 1.286 ug/l

RT: 8.76 min Scan# 2173

Delta R.T. -0.44 min

Lab File: VN051990.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampled :

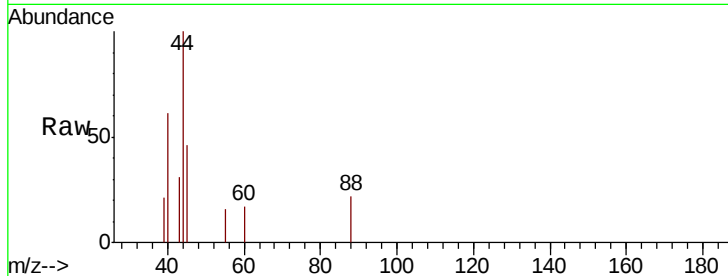
Tot Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 509.5 26.2 39.2#

58 0.0 65.6 98.4#

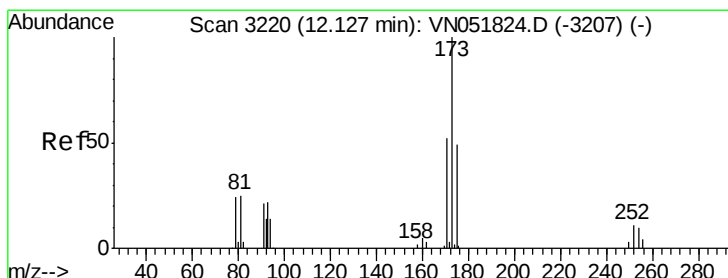
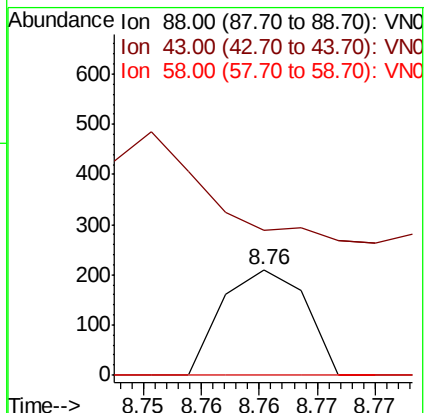
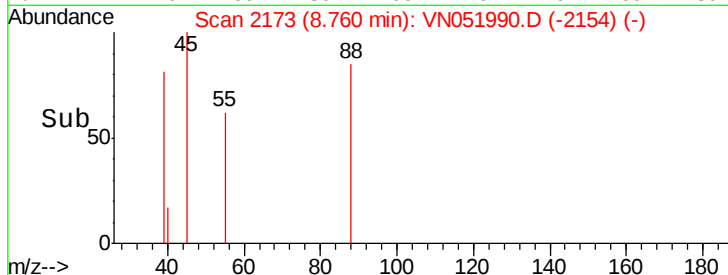


Abundance Ion 88.00 (87.70 to 88.70): VN051990.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN051990.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN051990.D (-2154) (-)

Time-->



#56

Bromoform

Concen: 0.439 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051990.D

Acq: 24 Oct 2018 16:13

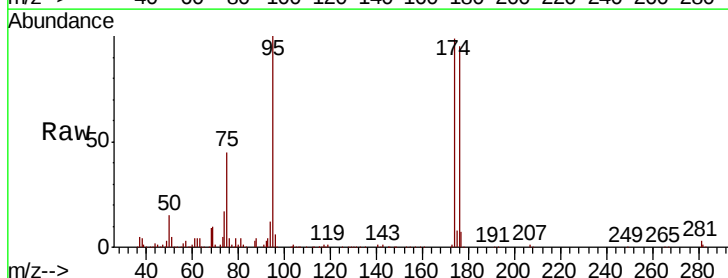
Tgt Ion: 173 Resp: 2873

Ion Ratio Lower Upper

173 100

175 718.6 35.8 53.8#

254 0.0 8.6 13.0#

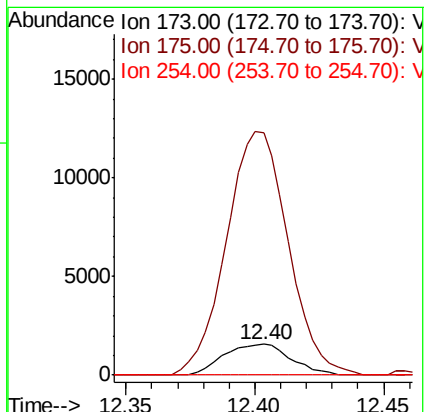
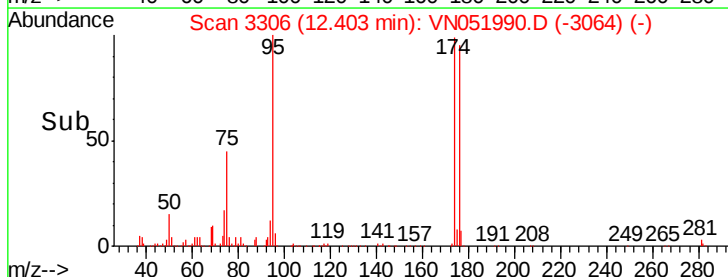


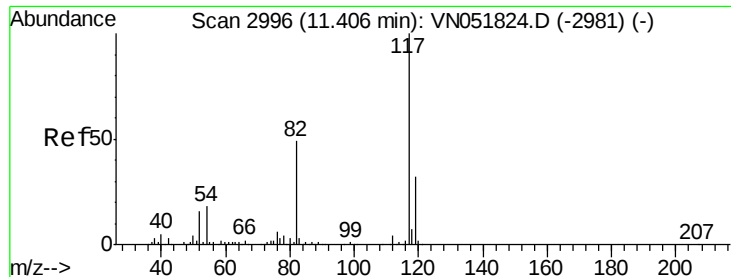
Abundance Ion 173.00 (172.70 to 173.70): VN051990.D (-3064) (-)

Ion 175.00 (174.70 to 175.70): VN051990.D (-3064) (-)

Ion 254.00 (253.70 to 254.70): VN051990.D (-3064) (-)

Time-->





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051990.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

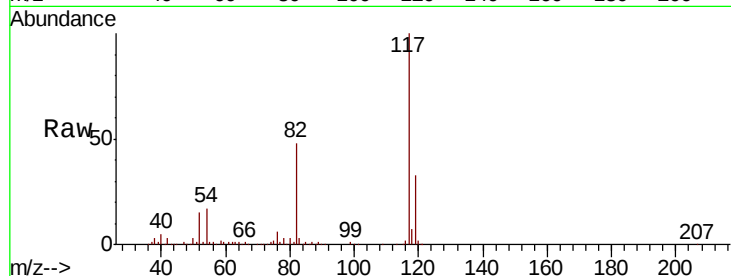
Tot Ion:117 Resp: 736734

Ion Ratio Lower Upper

117 100

82 46.9 44.1 66.1

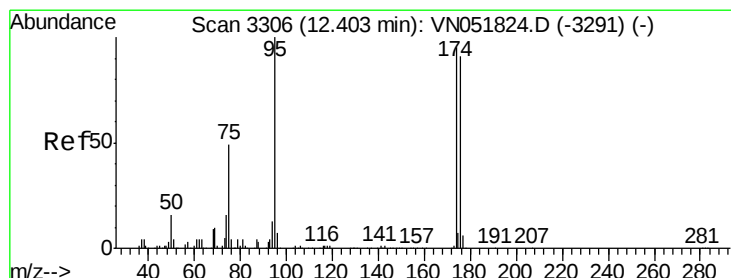
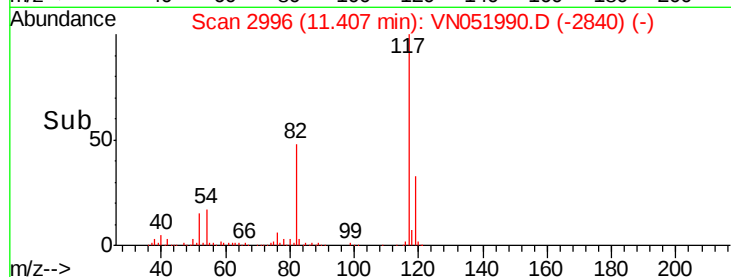
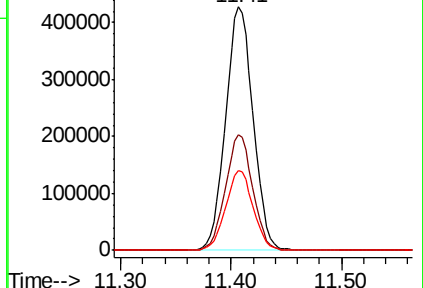
119 32.8 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051990.D

Acq: 24 Oct 2018 16:13

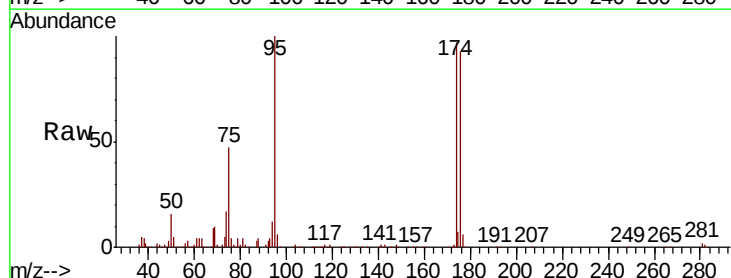
Tgt Ion: 95 Resp: 282933

Ion Ratio Lower Upper

95 100

174 98.4 73.5 110.3

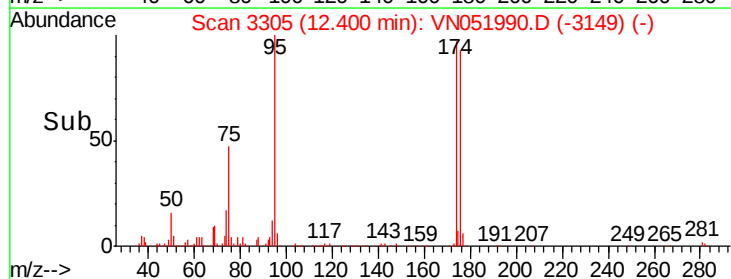
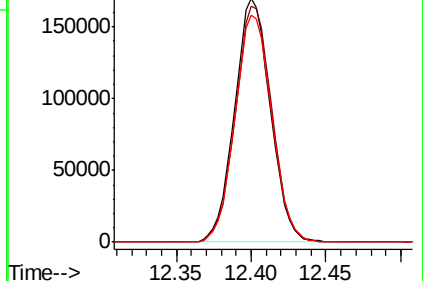
176 95.8 70.2 105.2

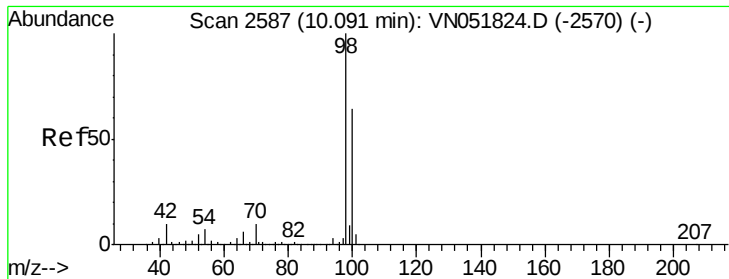


Abundance Ion 95.00 (94.70 to 95.70): VN

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051990.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_N

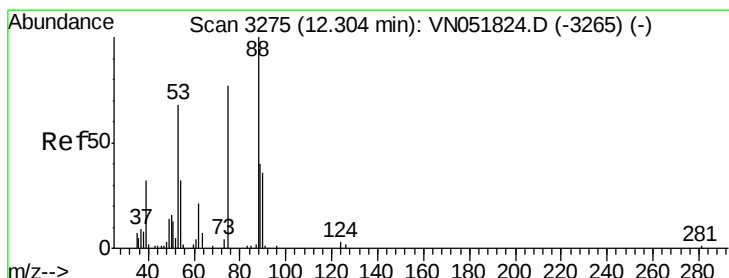
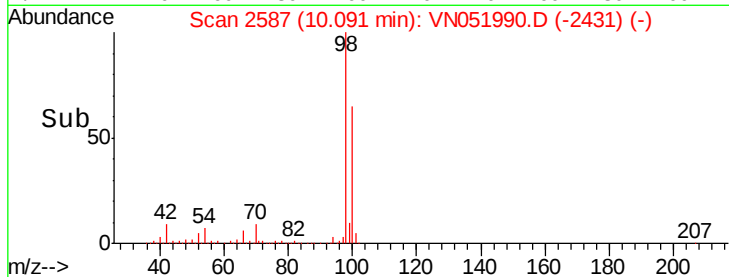
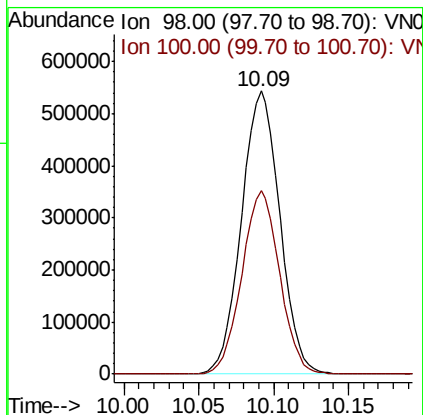
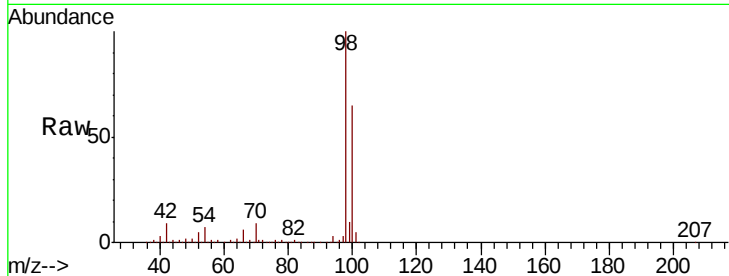
ClientSampleId :

Tot Ion: 98 Resp: 972052

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2



#77

t-1,4-Dichloro-2-butene

Concen: 60.887 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051990.D

Acq: 24 Oct 2018 16:13

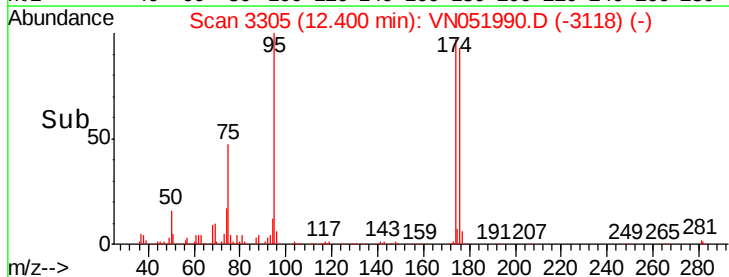
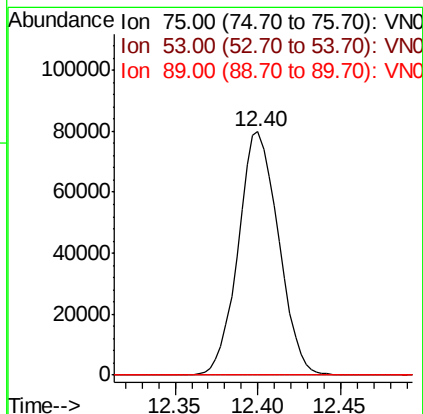
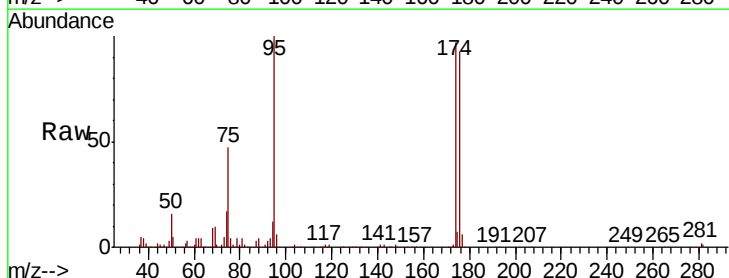
Tgt Ion: 75 Resp: 134876

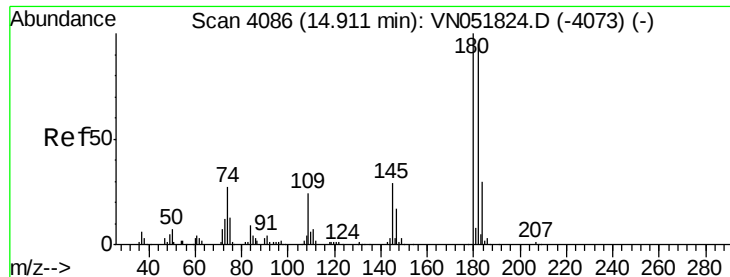
Ion Ratio Lower Upper

75 100

53 0.3 46.3 138.9#

89 0.0 24.6 73.8#

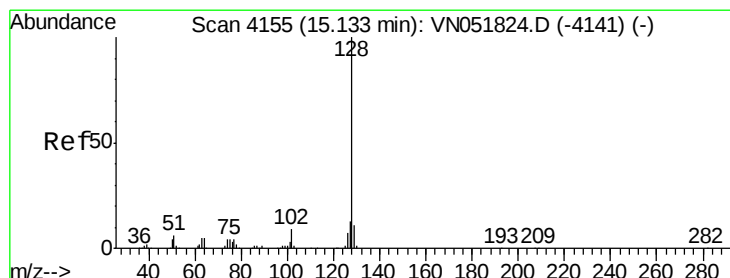
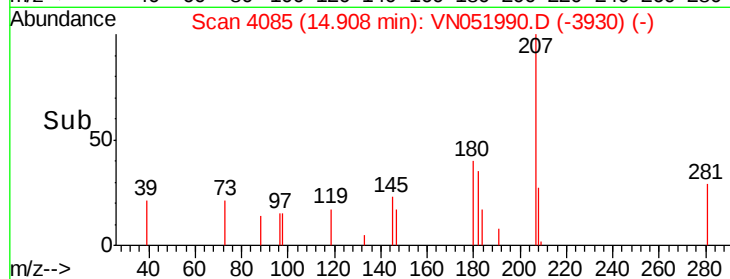
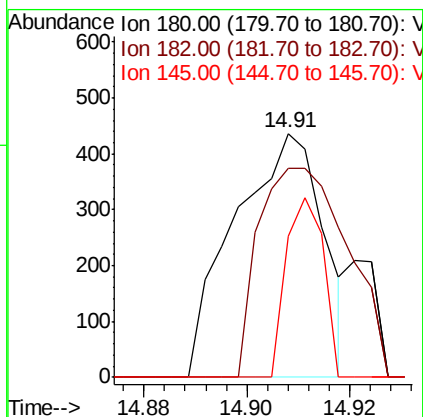
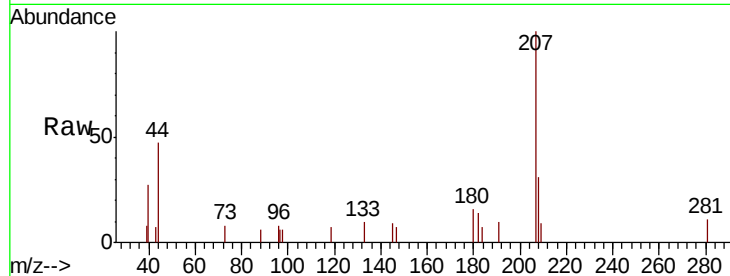




#89
 1,2,4-Trichlorobenzene
 Concen: 7.771 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051990.D
 Acq: 24 Oct 2018 16:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 519
 Ion Ratio Lower Upper
 180 100
 182 86.3 77.7 116.5
 145 31.0 23.4 35.2



#91
 Naphthalene
 Concen: 8.565 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051990.D
 Acq: 24 Oct 2018 16:13

Tgt Ion:128 Resp: 772
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.1 15.1#
 129 0.0 8.4 12.6#

