

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052013.D
 Acq On : 25 Oct 2018 16:30
 Operator : MD\SY
 Sample : VN1025WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBL02

Quant Time: Oct 26 01:02:38 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	166567	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	920044	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	796350	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	291909	28.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.00%
60) 4-Bromofluorobenzene	12.40	95	303283	26.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.03%
63) Toluene-d8	10.09	98	1029579	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

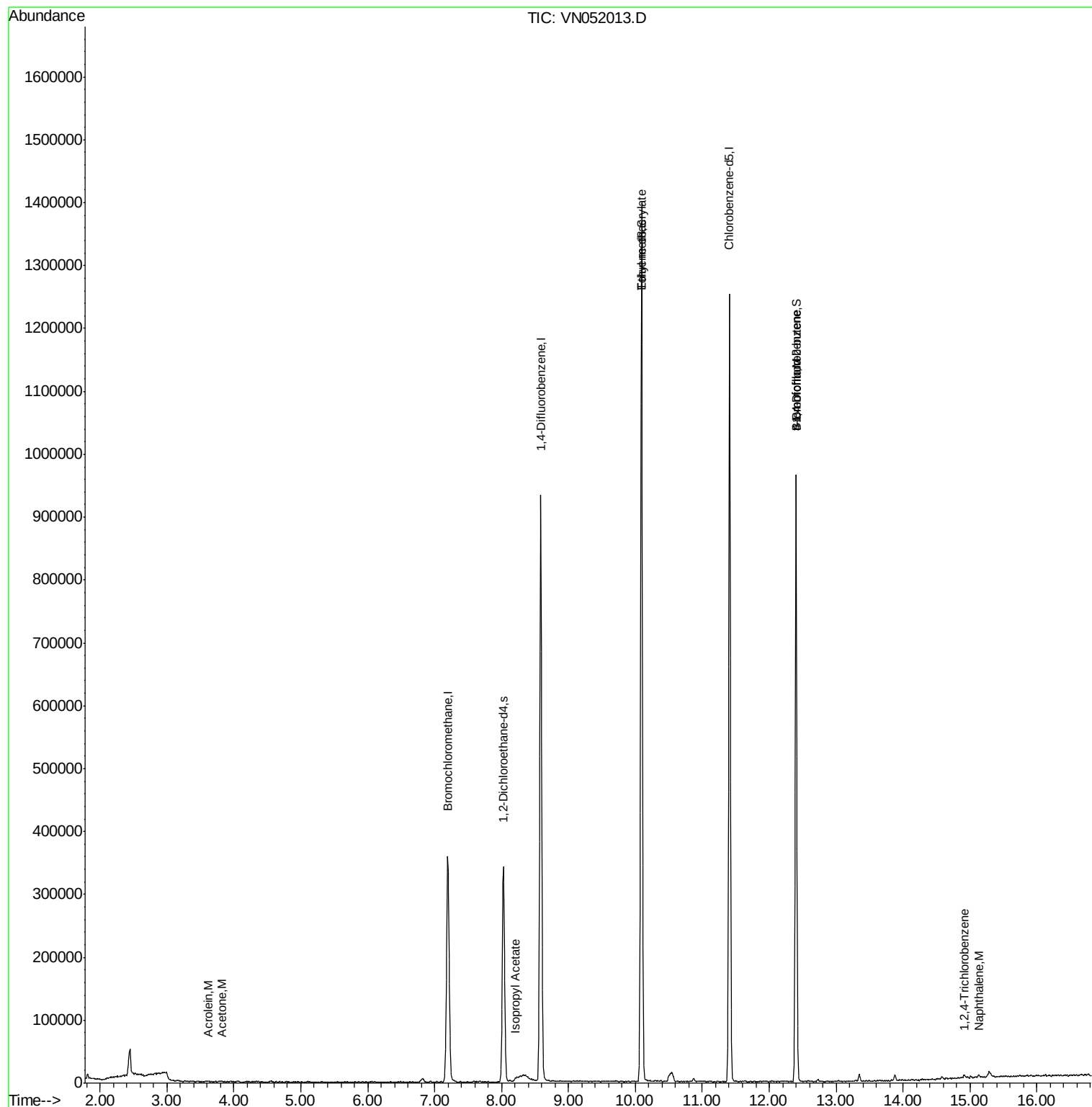
					Ovalue	
13) Acrolein	3.62	56	98	0.312	ug/l #	65
15) Acetone	3.82	58	141	0.268	ug/l #	54
44) Isopropyl Acetate	8.20	43	3237	0.301	ug/l #	57
51) Ethyl methacrylate	10.09	69	2565	0.264	ug/l	76
56) Bromoform	12.40	173	2673	0.387	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	148779	62.136	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.91	180	1317	7.829	ug/l #	74
91) Naphthalene	15.13	128	1484	8.589	ug/l #	70

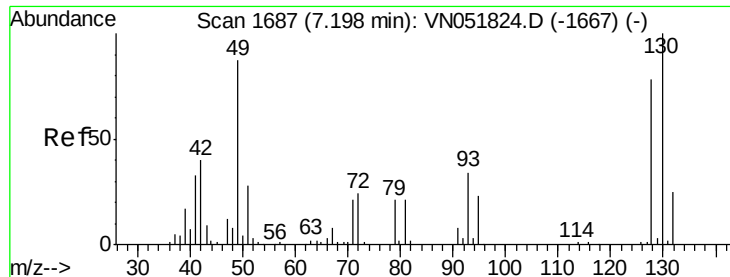
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102518\
Data File : VN052013.D
Acq On : 25 Oct 2018 16:30
Operator : MD\SY
Sample : VN1025WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Quant Time: Oct 26 01:02:38 2018
Quant Method : Z:\V0ASRV\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

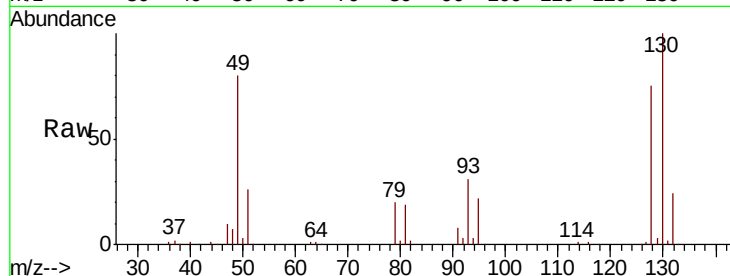




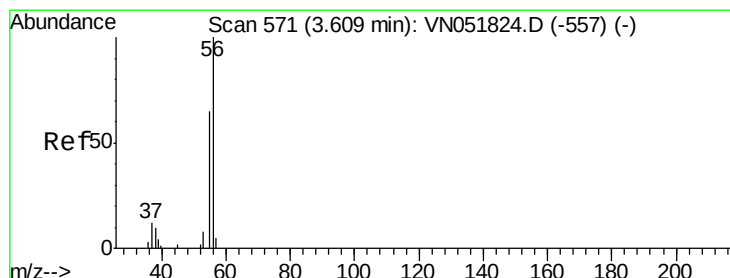
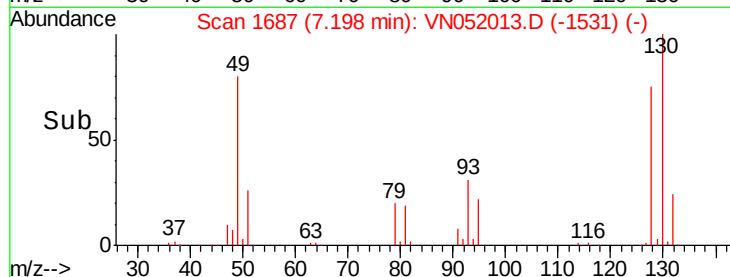
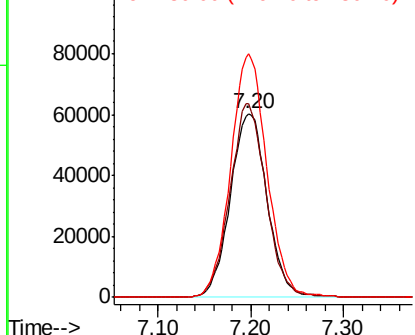
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052013.D
 Acq: 25 Oct 2018 16:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN1025WBL02

Tot Ion:128 Resp: 166567
 Ion Ratio Lower Upper
 128 100
 49 102.9 0.0 403.3
 130 129.6 0.0 326.0

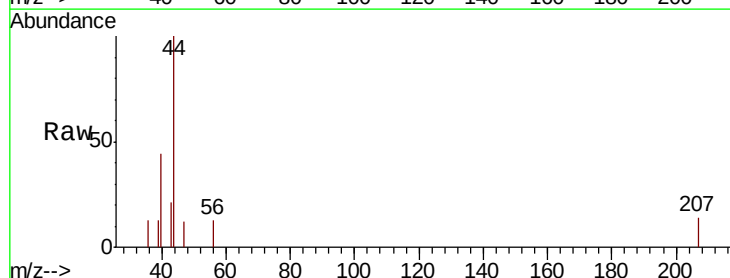


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

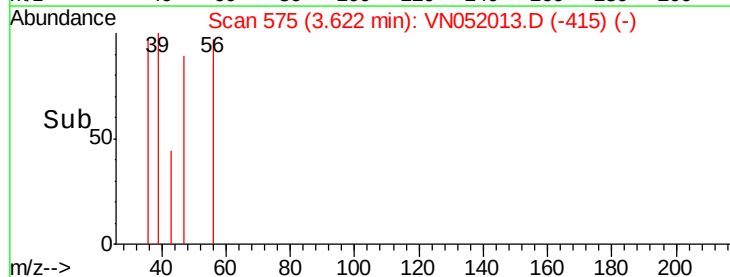
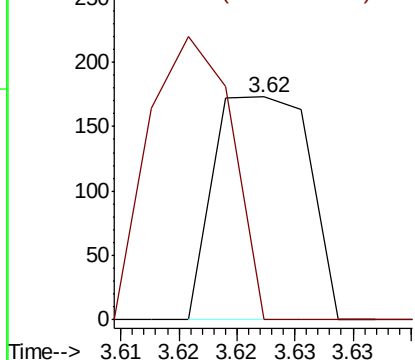


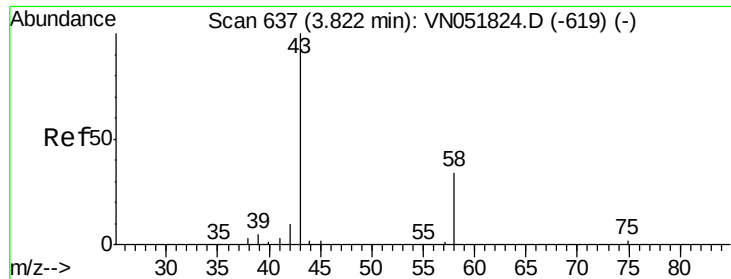
#13
 Acrolein
 Concen: 0.312 ug/l
 RT: 3.62 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: VN052013.D
 Acq: 25 Oct 2018 16:30

Tgt Ion: 56 Resp: 98
 Ion Ratio Lower Upper
 56 100
 55 111.2 64.0 96.0#



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





#15

Acetone

Concen: 0.268 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN052013.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_N

ClientSampleId :

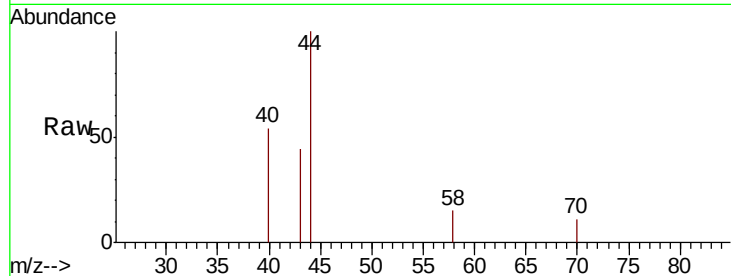
VN1025WBL02

Tot Ion: 58 Resp: 141

Ion Ratio Lower Upper

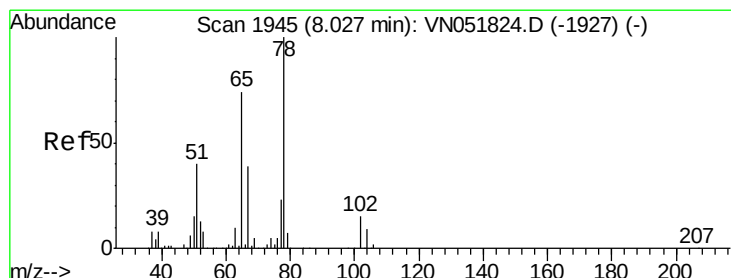
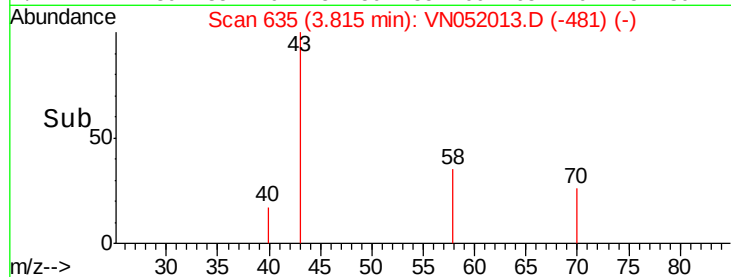
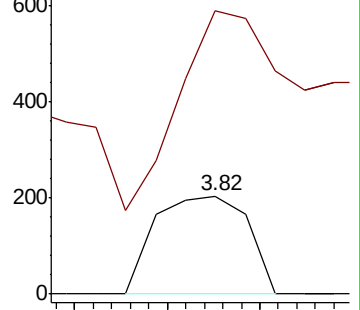
58 100

43 202.5 232.2 348.2#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052013.D

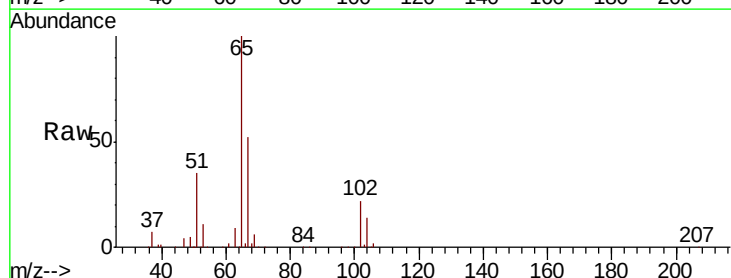
Acq: 25 Oct 2018 16:30

Tgt Ion: 65 Resp: 291909

Ion Ratio Lower Upper

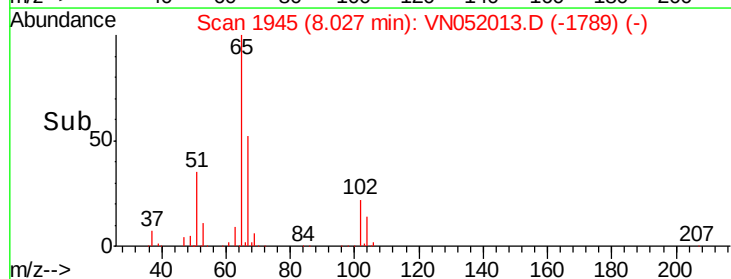
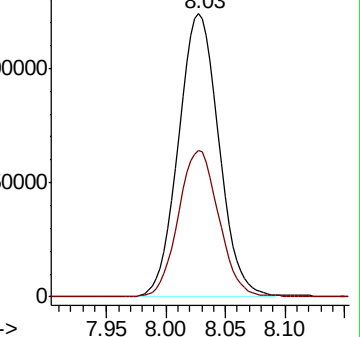
65 100

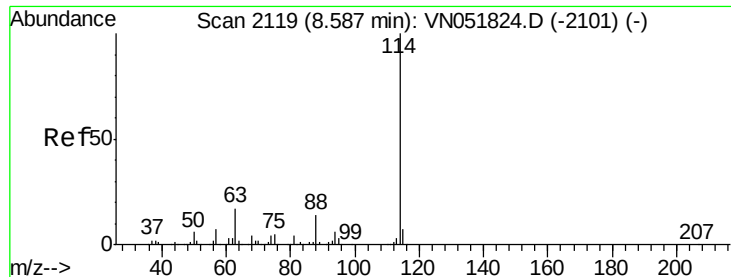
67 51.5 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

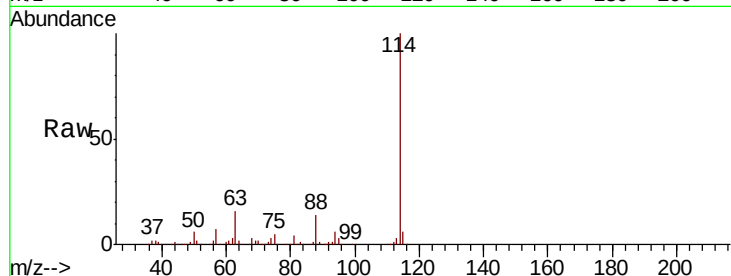




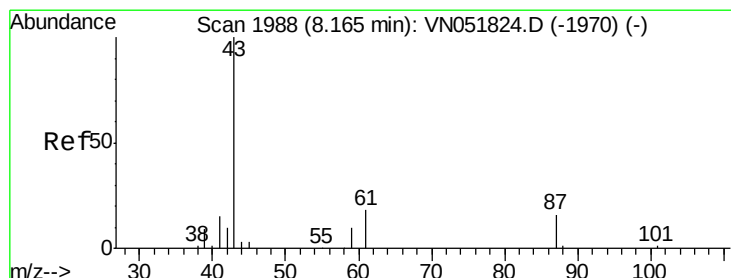
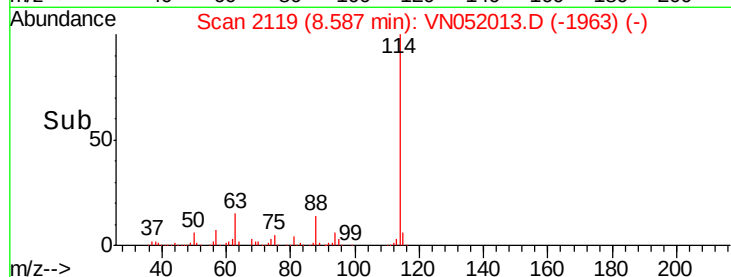
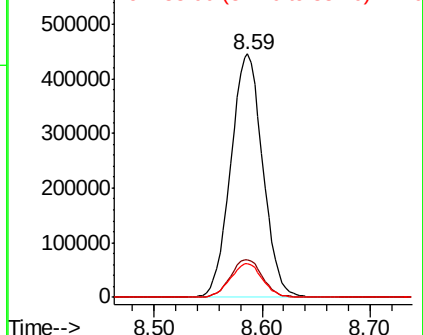
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052013.D
 Acq: 25 Oct 2018 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBL02

Tot Ion:114 Resp: 920044
 Ion Ratio Lower Upper
 114 100
 63 15.7 16.2 24.2#
 88 14.0 12.2 18.4

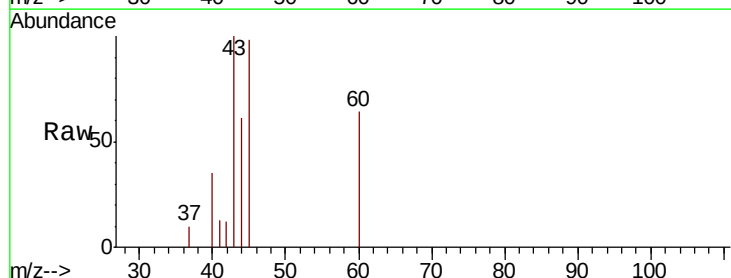


Abundance Ion 114.00 (113.70 to 114.70): VN051824.D (-2101) (-)
 Ion 63.00 (62.70 to 63.70): VN051824.D (-2101) (-)
 Ion 88.00 (87.70 to 88.70): VN051824.D (-2101) (-)

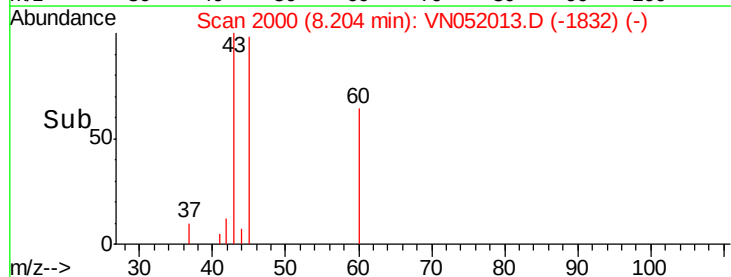
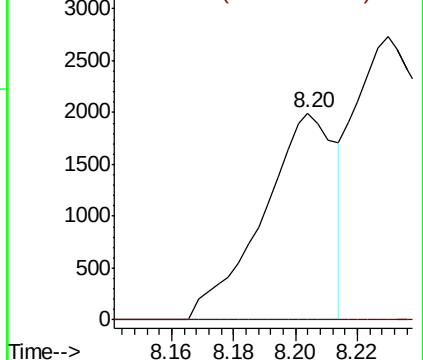


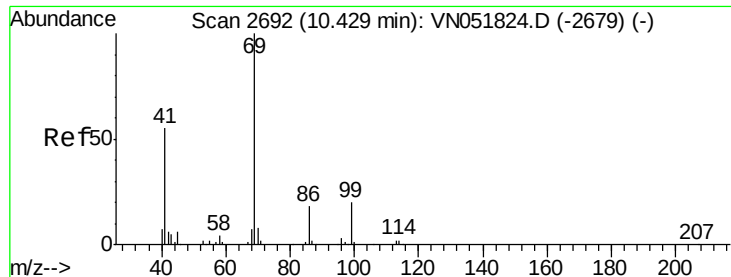
#44
 Isopropyl Acetate
 Concen: 0.301 ug/l
 RT: 8.20 min Scan# 2000
 Delta R.T. 0.04 min
 Lab File: VN052013.D
 Acq: 25 Oct 2018 16:30

Tgt Ion: 43 Resp: 3237
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1970) (-)
 Ion 61.00 (60.70 to 61.70): VN051824.D (-1970) (-)





#51

Ethyl methacrylate

Concen: 0.264 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.34 min

Lab File: VN052013.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBL02

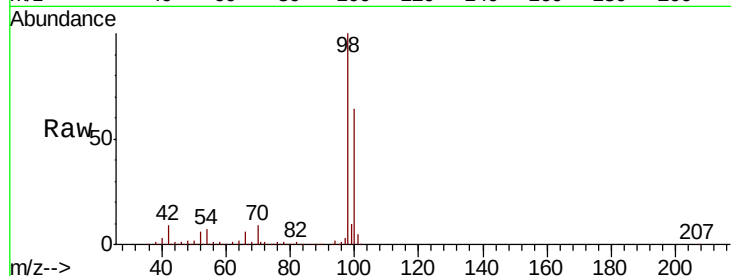
Tot Ion: 69 Resp: 2565

Ion Ratio Lower Upper

69 100

41 94.0 34.4 103.1

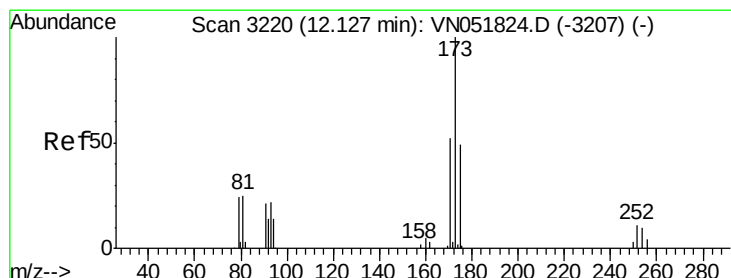
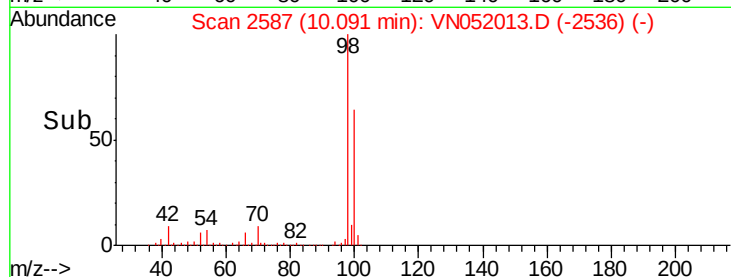
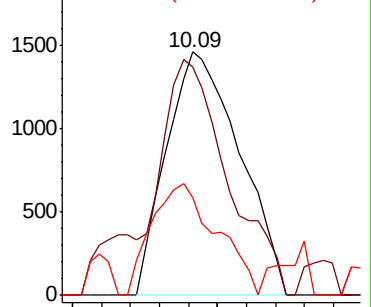
39 27.5 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN051824.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN051824.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN051824.D (-2679) (-)



#56

Bromoform

Concen: 0.387 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052013.D

Acq: 25 Oct 2018 16:30

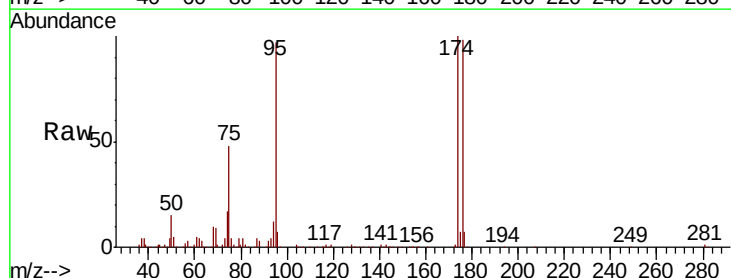
Tgt Ion: 173 Resp: 2673

Ion Ratio Lower Upper

173 100

175 857.7 35.8 53.8#

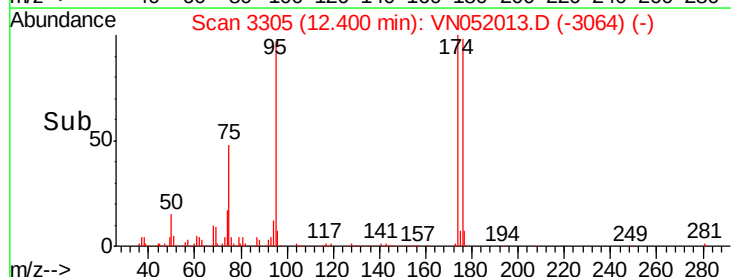
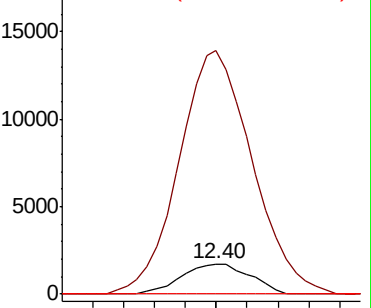
254 0.0 8.6 13.0#

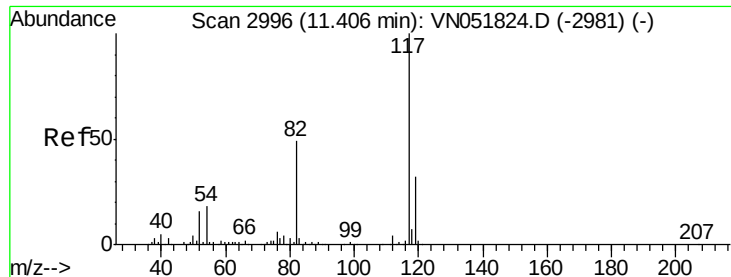


Abundance Ion 173.00 (172.70 to 173.70): VN051824.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN051824.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN051824.D (-3207) (-)

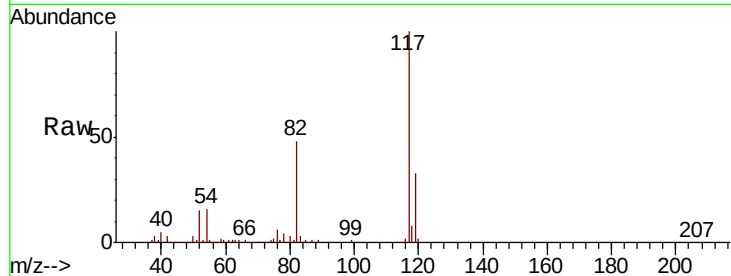




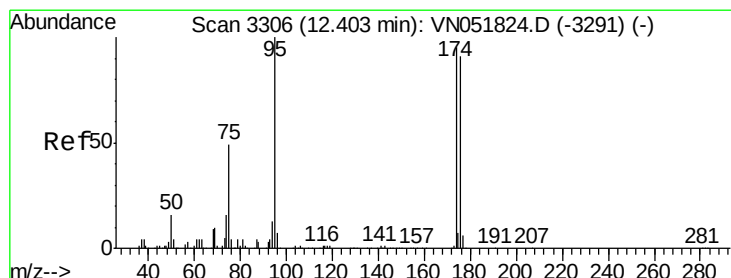
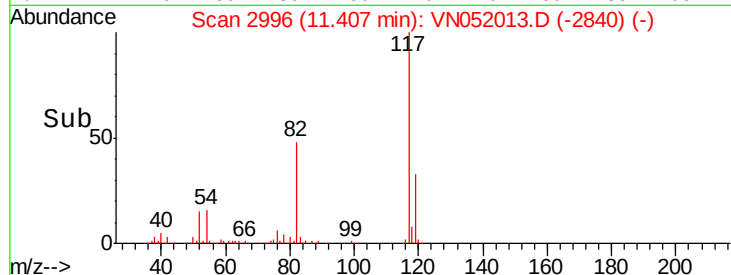
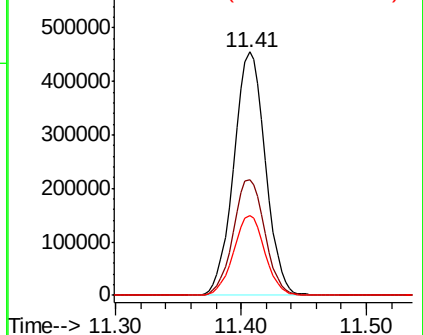
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052013.D
Acq: 25 Oct 2018 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.6	44.1	66.1
119	32.5	25.8	38.8

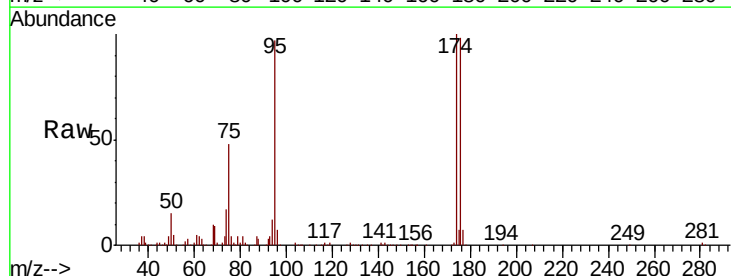


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

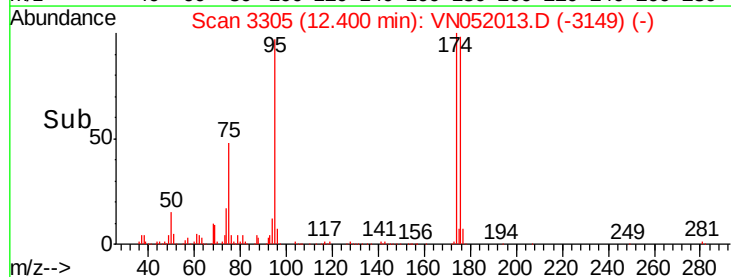
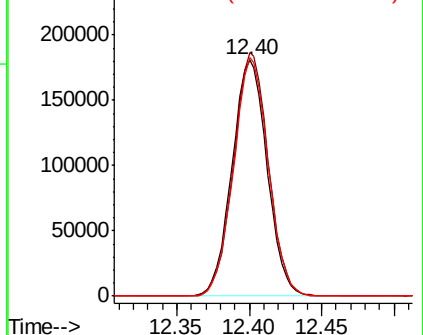


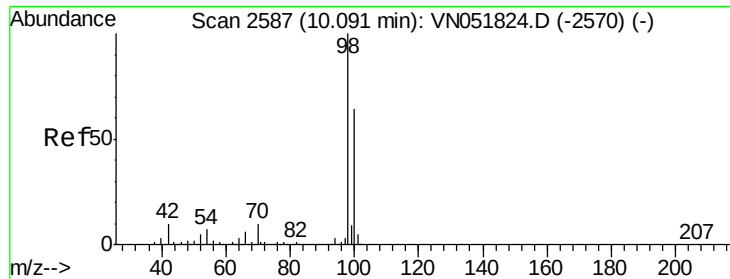
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052013.D
Acq: 25 Oct 2018 16:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.5	73.5	110.3
176	100.0	70.2	105.2



Abundance Ion 95.00 (94.70 to 95.70): V
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: VN052013.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_N

ClientSampleId :

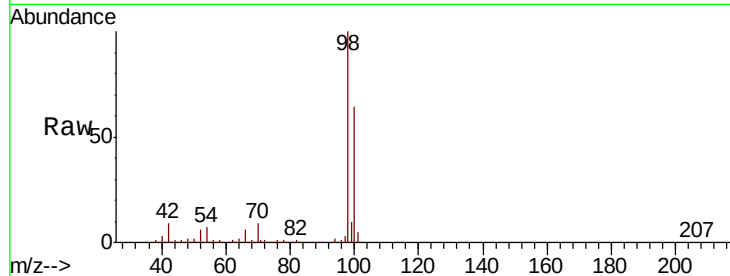
VN1025WBL02

Tot Ion: 98 Resp: 1029579

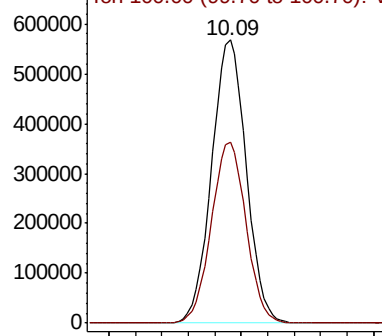
Ion Ratio Lower Upper

98 100

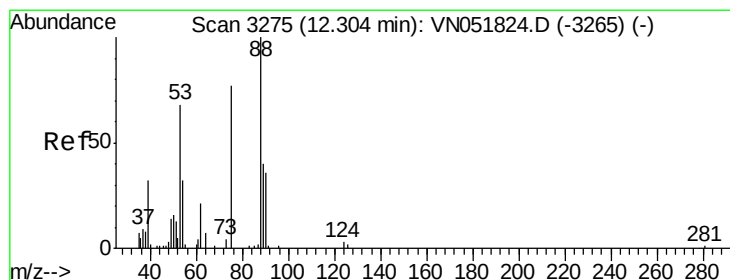
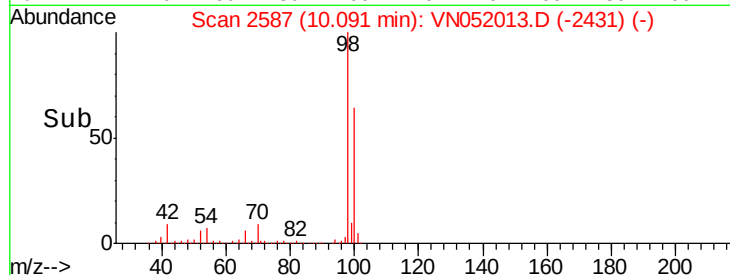
100 64.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)



Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 62.136 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052013.D

Acq: 25 Oct 2018 16:30

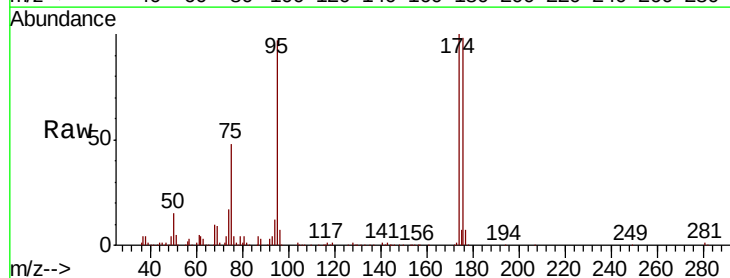
Tgt Ion: 75 Resp: 148779

Ion Ratio Lower Upper

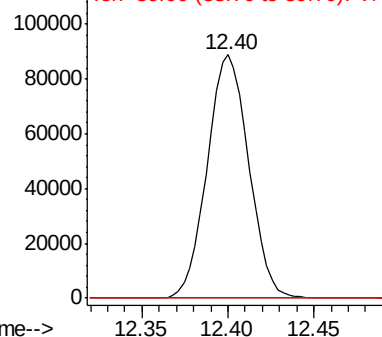
75 100

53 0.0 46.3 138.9#

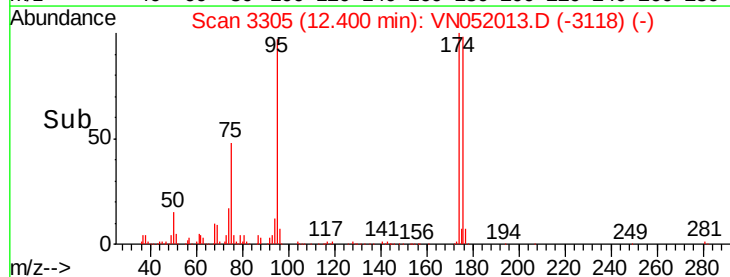
89 0.0 24.6 73.8#

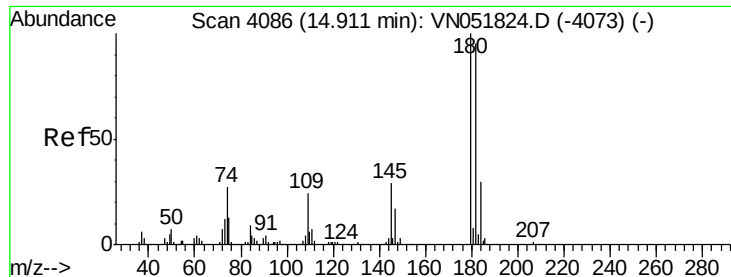


Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3265) (-)



Time-->

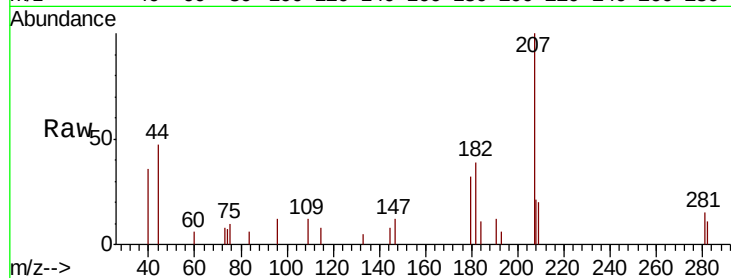




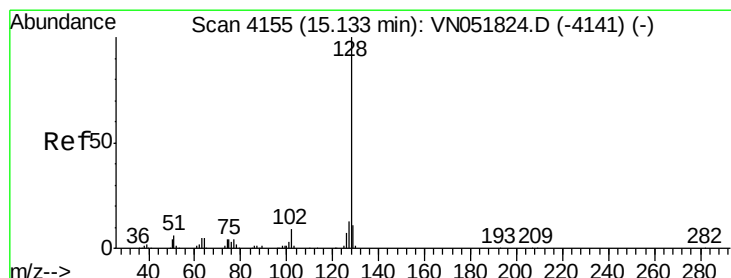
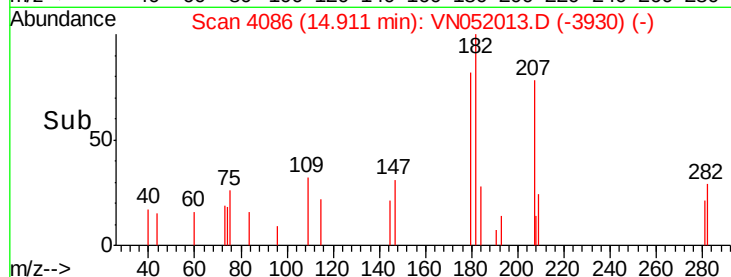
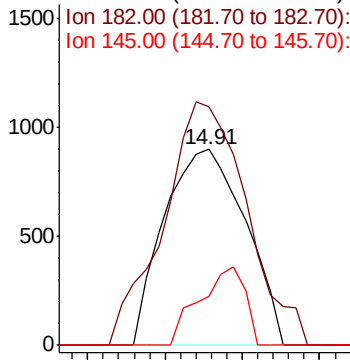
#89
 1,2,4-Trichlorobenzene
 Concen: 7.829 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052013.D
 Acq: 25 Oct 2018 16:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN1025WBL02

Tot Ion:180 Resp: 1317
 Ion Ratio Lower Upper
 180 100
 182 126.5 77.7 116.5#
 145 22.3 23.4 35.2#

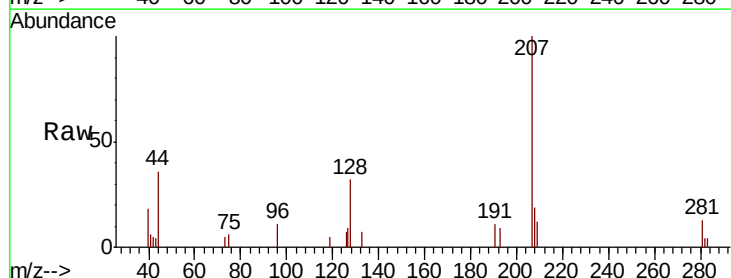


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#91
 Naphthalene
 Concen: 8.589 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN052013.D
 Acq: 25 Oct 2018 16:30

Tgt Ion:128 Resp: 1484
 Ion Ratio Lower Upper
 128 100
 127 25.3 10.1 15.1#
 129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

