

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057544.D
 Acq On : 27 Aug 2019 10:18
 Operator : JC/SP
 Sample : K4523-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB2-20190823

Quant Time: Sep 03 04:00:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67961	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	374326	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	274267	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	196621	30.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.03%
60) 4-Bromofluorobenzene	12.40	95	98310	21.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.47%
63) Toluene-d8	10.08	98	456597	32.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.90%

Target Compounds

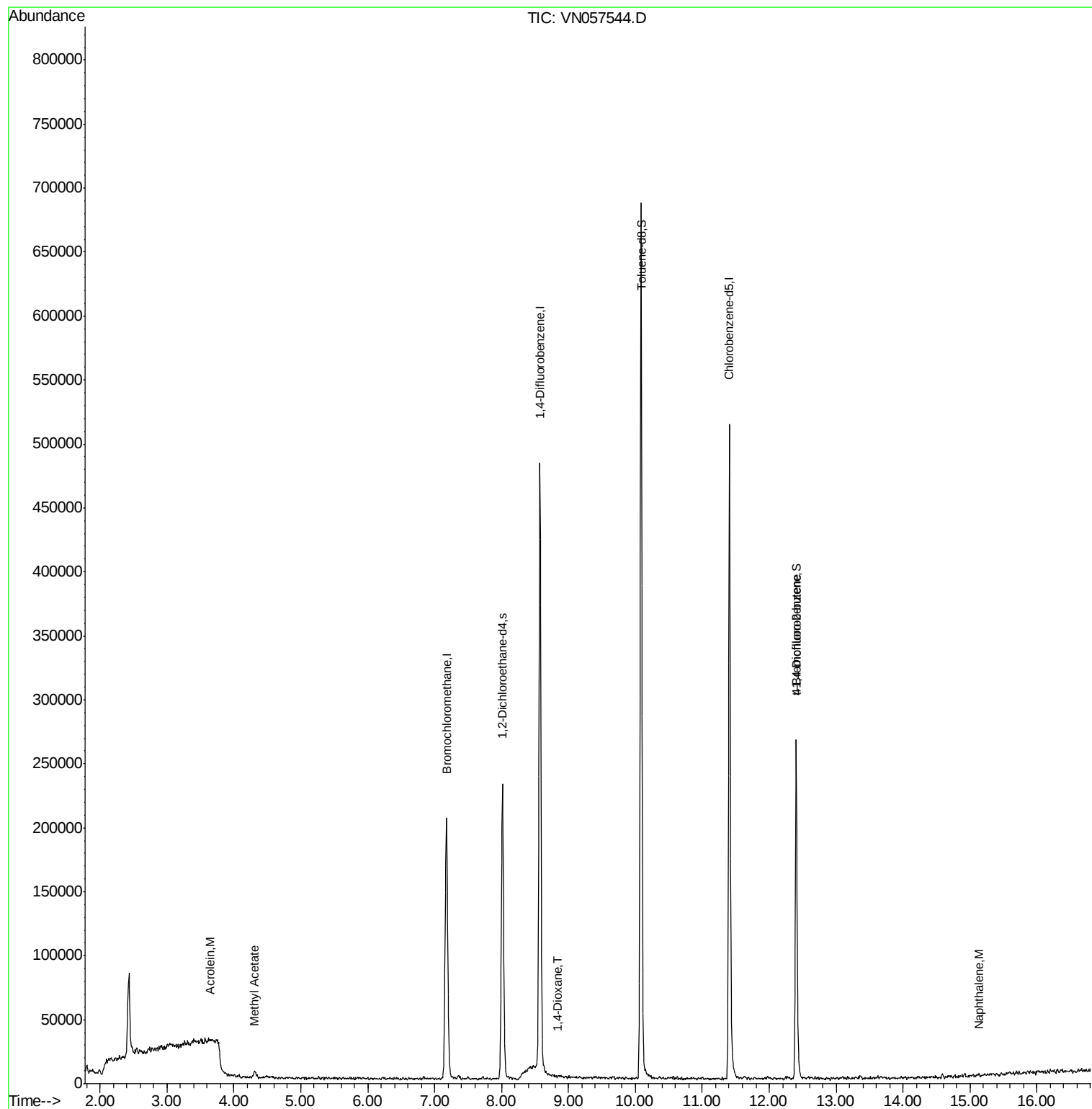
					Ovalue
12) Methyl Acetate	4.31	43	9406	1.592	ug/l 100
13) Acrolein	3.65	56	234	0.311	ug/l 88
45) 1,4-Dioxane	8.83	88	66	0.966	ug/l # 1
77) t-1,4-Dichloro-2-butene	12.40	75	56885	36.734	ug/l # 5
91) Naphthalene	15.13	128	1248	9.862	ug/l # 77

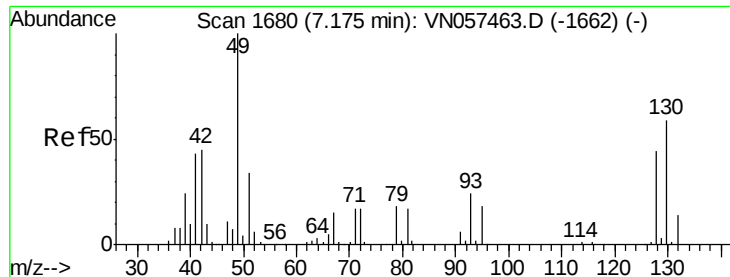
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 23:15:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057544.D

Acq: 27 Aug 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

TT-TB2-20190823

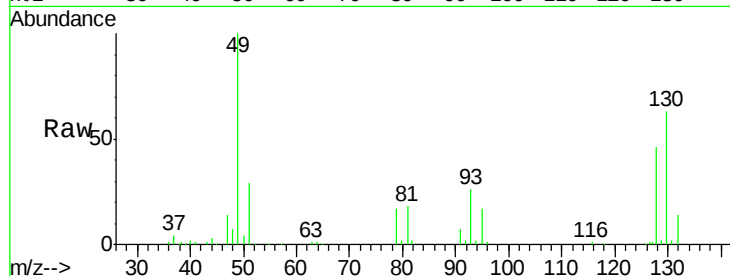
Tot Ion:128 Resp: 67961

Ion Ratio Lower Upper

128 100

49 212.0 0.0 560.5

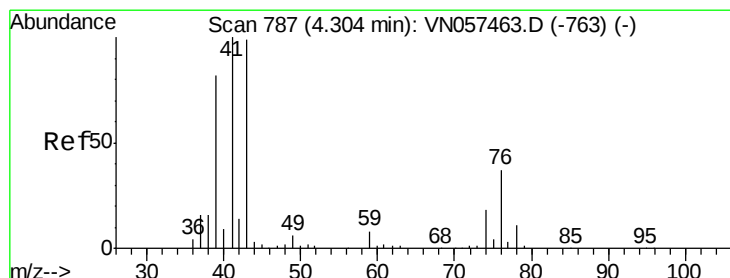
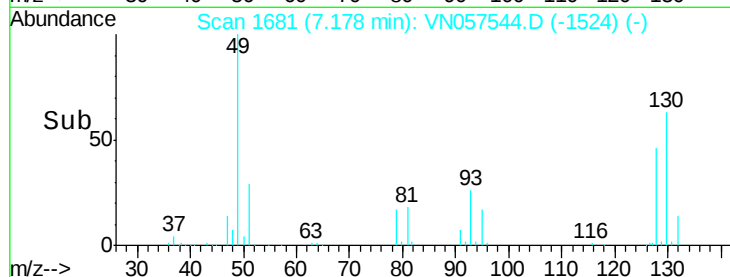
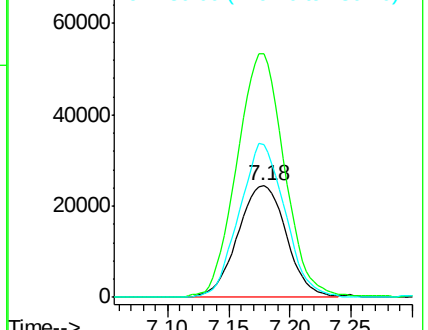
130 129.1 0.0 317.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 1.592 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN057544.D

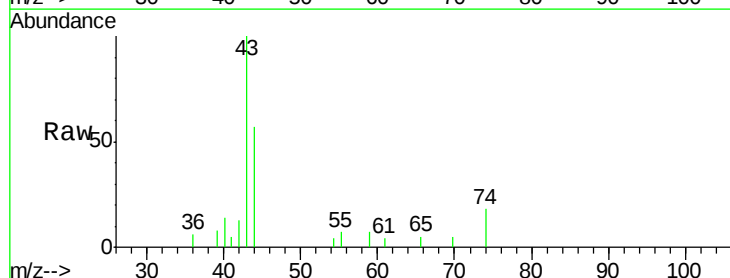
Acq: 27 Aug 2019 10:18

Tgt Ion: 43 Resp: 9406

Ion Ratio Lower Upper

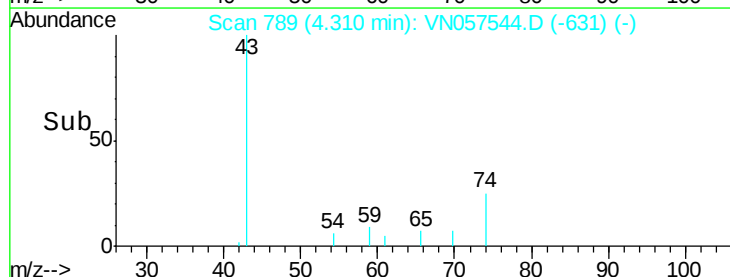
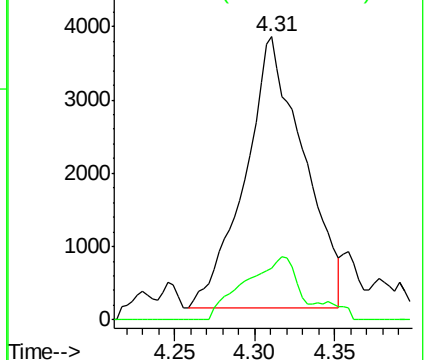
43 100

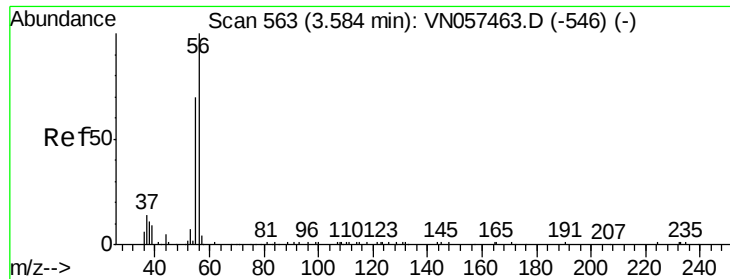
74 18.5 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#13

Acrolein

Concen: 0.311 ug/l

RT: 3.65 min Scan# 583

Delta R.T. 0.06 min

Lab File: VN057544.D

Acq: 27 Aug 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

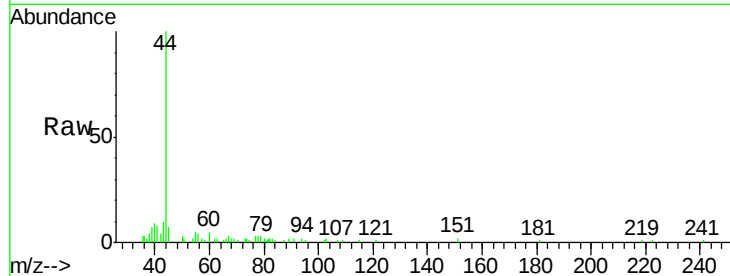
TT-TB2-20190823

Tot Ion: 56 Resp: 234

Ion Ratio Lower Upper

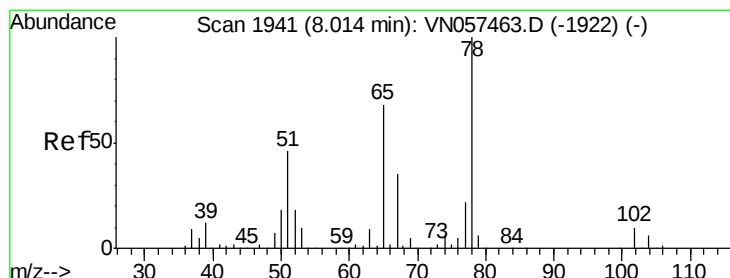
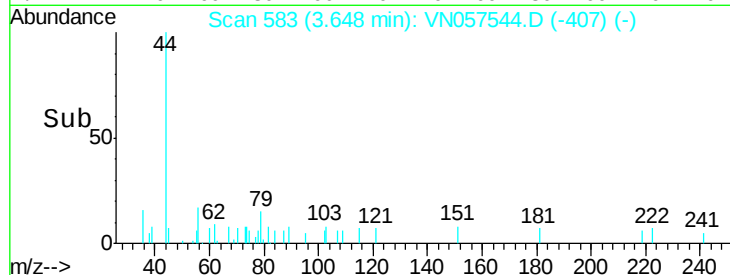
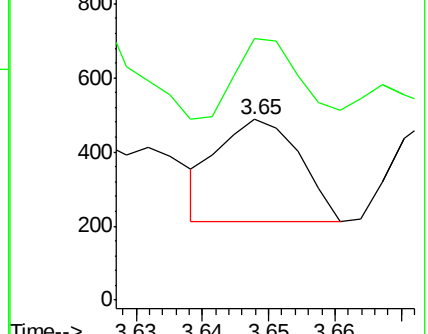
56 100

55 61.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 30.010 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057544.D

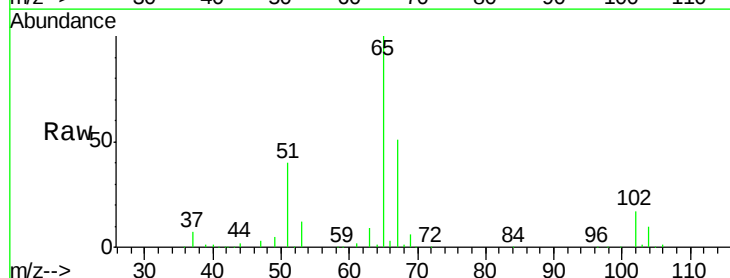
Acq: 27 Aug 2019 10:18

Tgt Ion: 65 Resp: 196621

Ion Ratio Lower Upper

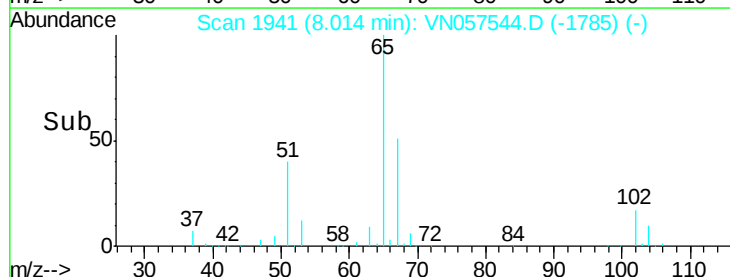
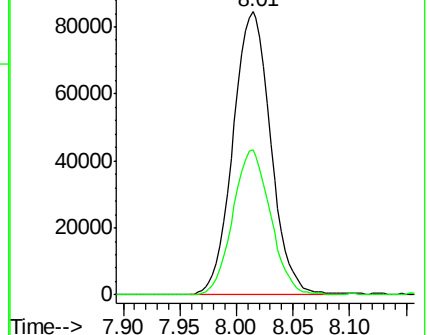
65 100

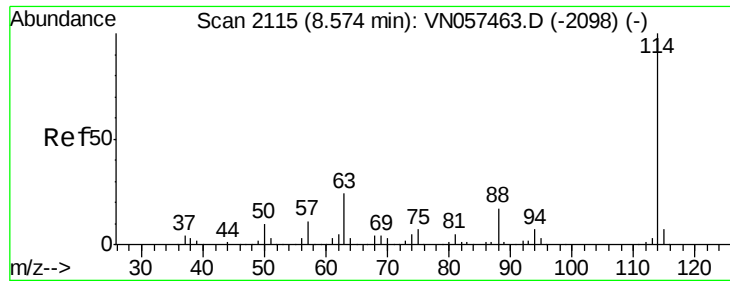
67 51.1 40.2 60.4



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

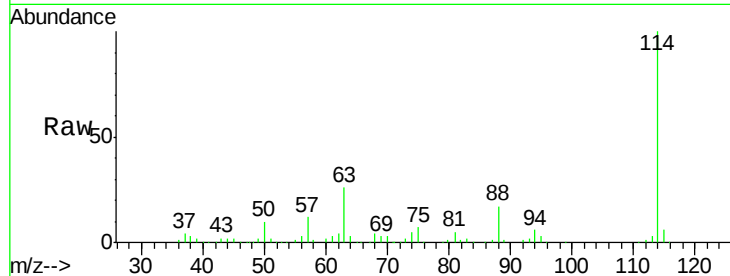




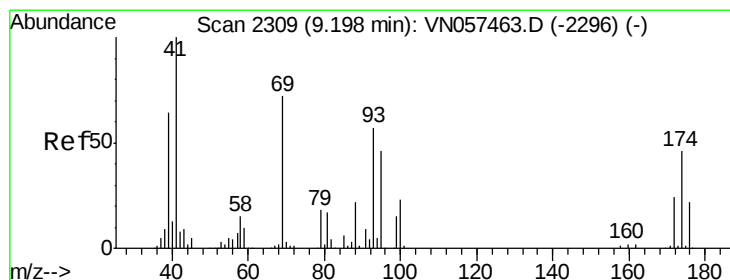
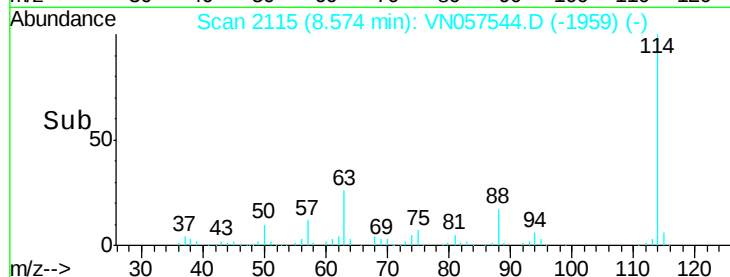
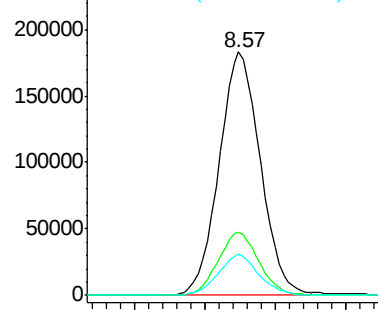
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057544.D
 Acq: 27 Aug 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB2-20190823

Tot Ion:114 Resp: 374326
 Ion Ratio Lower Upper
 114 100
 63 25.5 19.6 29.4
 88 16.4 13.1 19.7

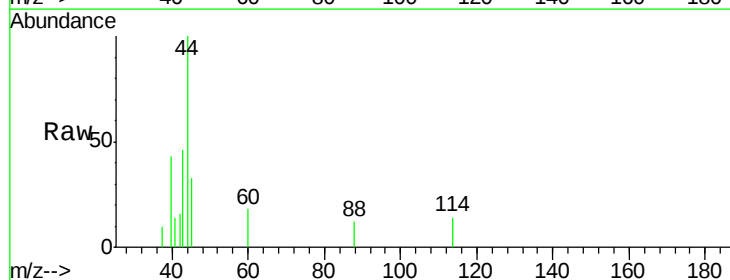


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 88.00 (87.70 to 88.70): VNO

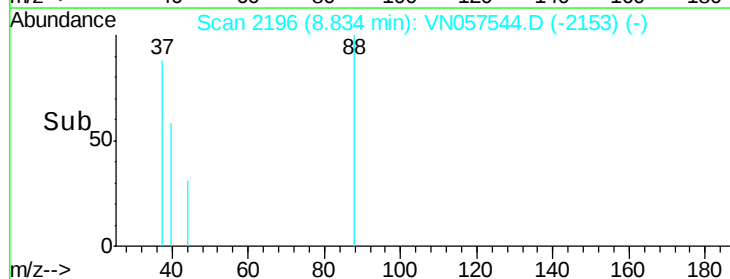
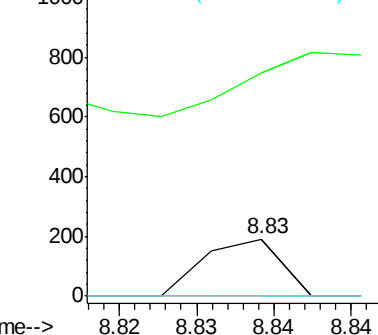


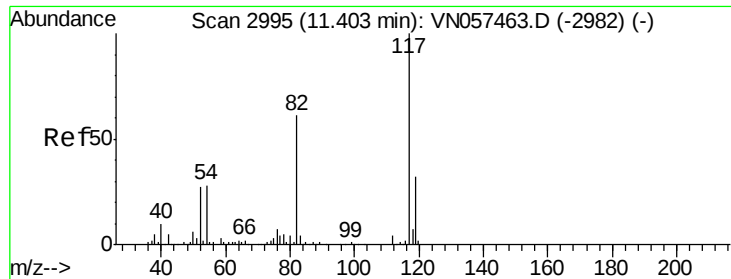
#45
 1,4-Dioxane
 Concen: 0.966 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.36 min
 Lab File: VN057544.D
 Acq: 27 Aug 2019 10:18

Tgt Ion: 88 Resp: 66
 Ion Ratio Lower Upper
 88 100
 43 347.0 29.8 44.6#
 58 0.0 62.2 93.2#



Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

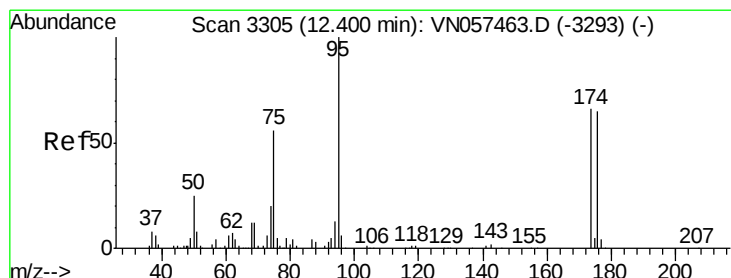
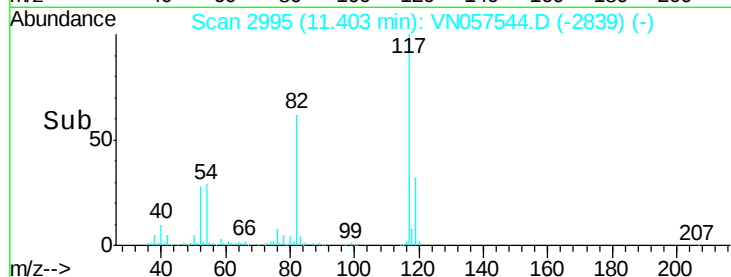
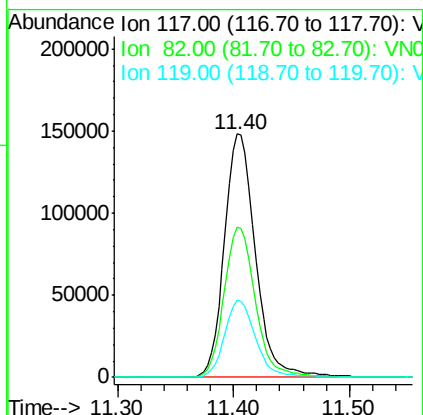
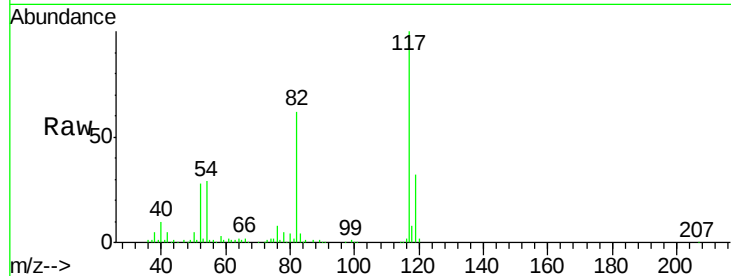




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057544.D
Acq: 27 Aug 2019 10:18

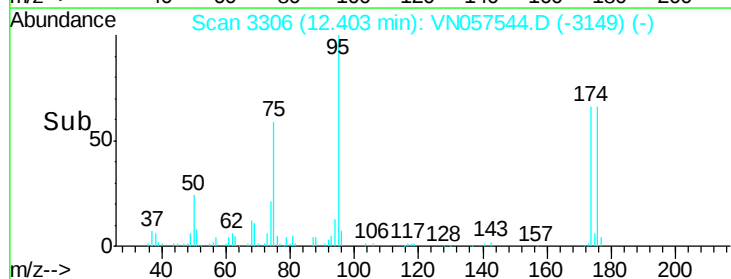
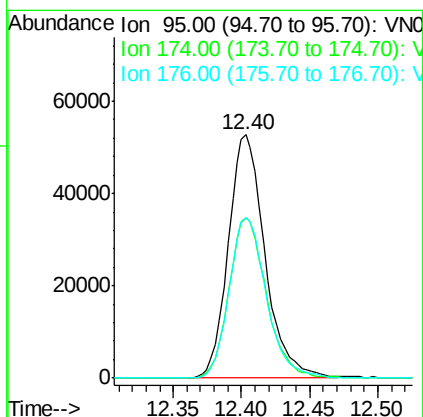
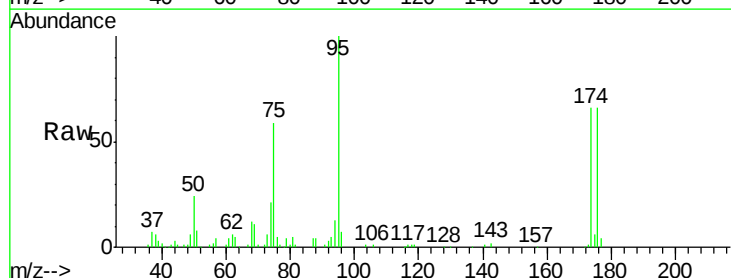
Instrument :
MSVOA_N
ClientSampleId :
TT-TB2-20190823

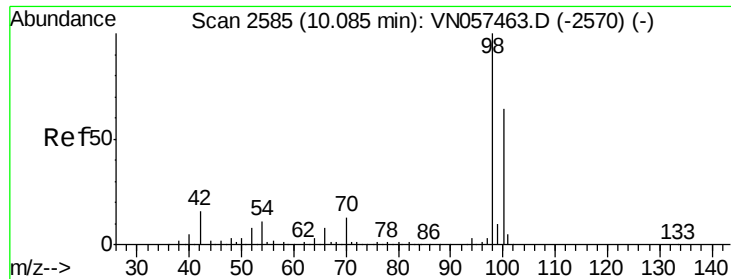
Tot Ion:117 Resp: 274267
Ion Ratio Lower Upper
117 100
82 62.3 50.4 75.6
119 31.8 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 21.737 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057544.D
Acq: 27 Aug 2019 10:18

Tgt Ion: 95 Resp: 98310
Ion Ratio Lower Upper
95 100
174 67.2 54.9 82.3
176 67.2 54.2 81.4





#63

Toluene-d8

Concen: 32.966 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057544.D

Acq: 27 Aug 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

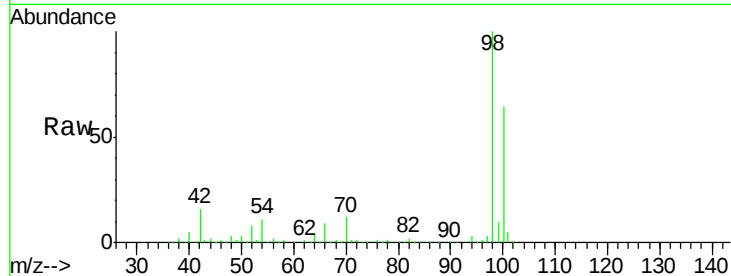
TT-TB2-20190823

Tot Ion: 98 Resp: 456597

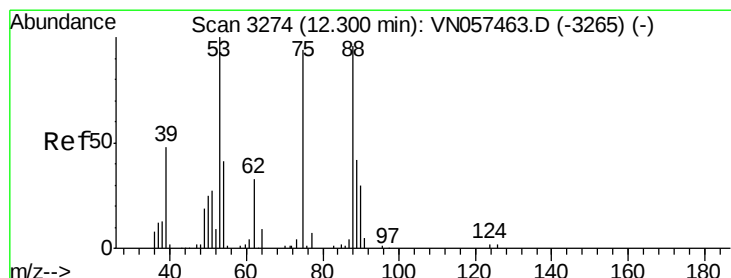
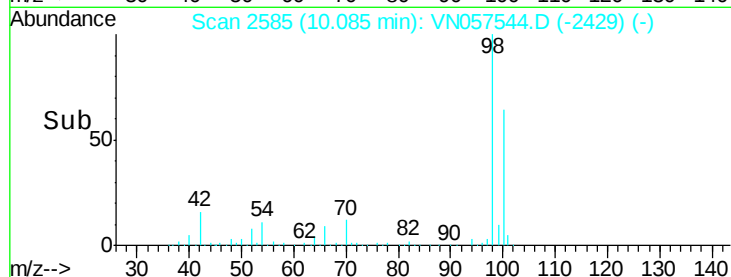
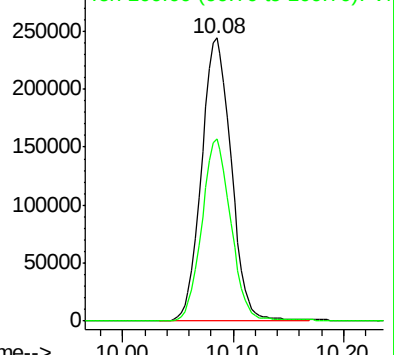
Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN057463.D (-2570) (-)



#77

t-1,4-Dichloro-2-butene

Concen: 36.734 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057544.D

Acq: 27 Aug 2019 10:18

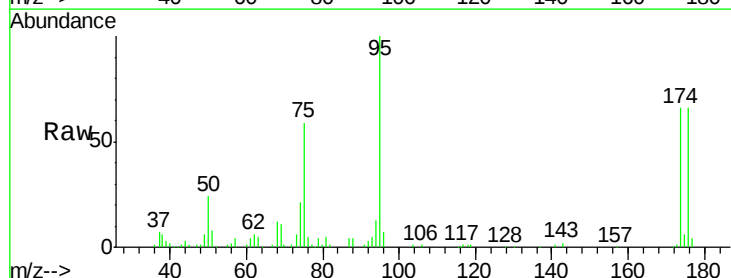
Tgt Ion: 75 Resp: 56885

Ion Ratio Lower Upper

75 100

53 0.0 55.6 166.9#

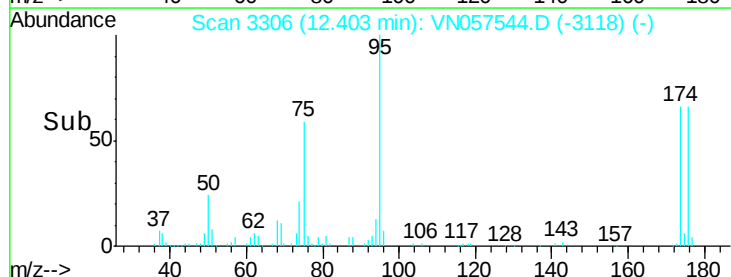
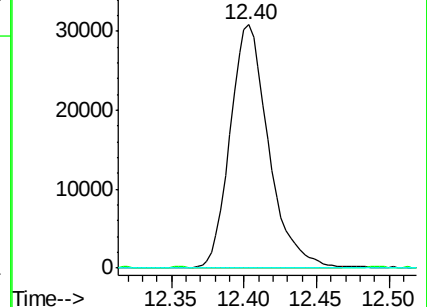
89 0.0 23.8 71.4#

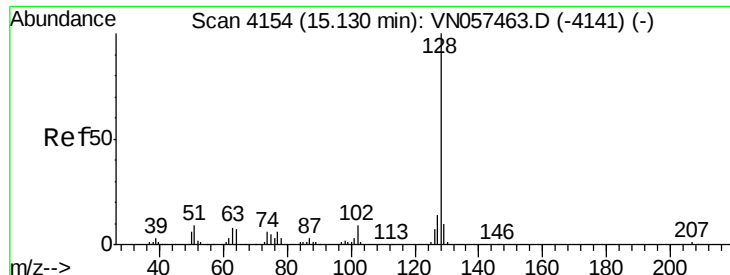


Abundance Ion 75.00 (74.70 to 75.70): VN057463.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057463.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN057463.D (-3265) (-)





#91

Naphthalene

Concen: 9.862 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057544.D

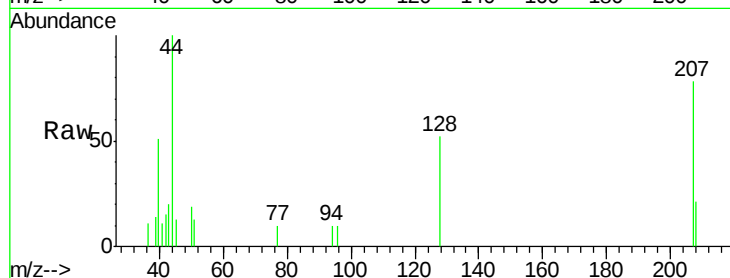
Acq: 27 Aug 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

TT-TB2-20190823



Tot Ion:128 Resp: 1248

Ion Ratio Lower Upper

128 100

127 5.3 10.1 15.1#

129 0.0 8.6 13.0#

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

