

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
 Data File : VN057669.D
 Acq On : 3 Sep 2019 18:13
 Operator : JC/SP
 Sample : K4651-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

Quant Time: Sep 04 02:13:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	57563	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	344562	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	261757	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	187213	30.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.97%
60) 4-Bromofluorobenzene	12.40	95	101971	22.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.00%
63) Toluene-d8	10.09	98	419602	33.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	110.97%

Target Compounds

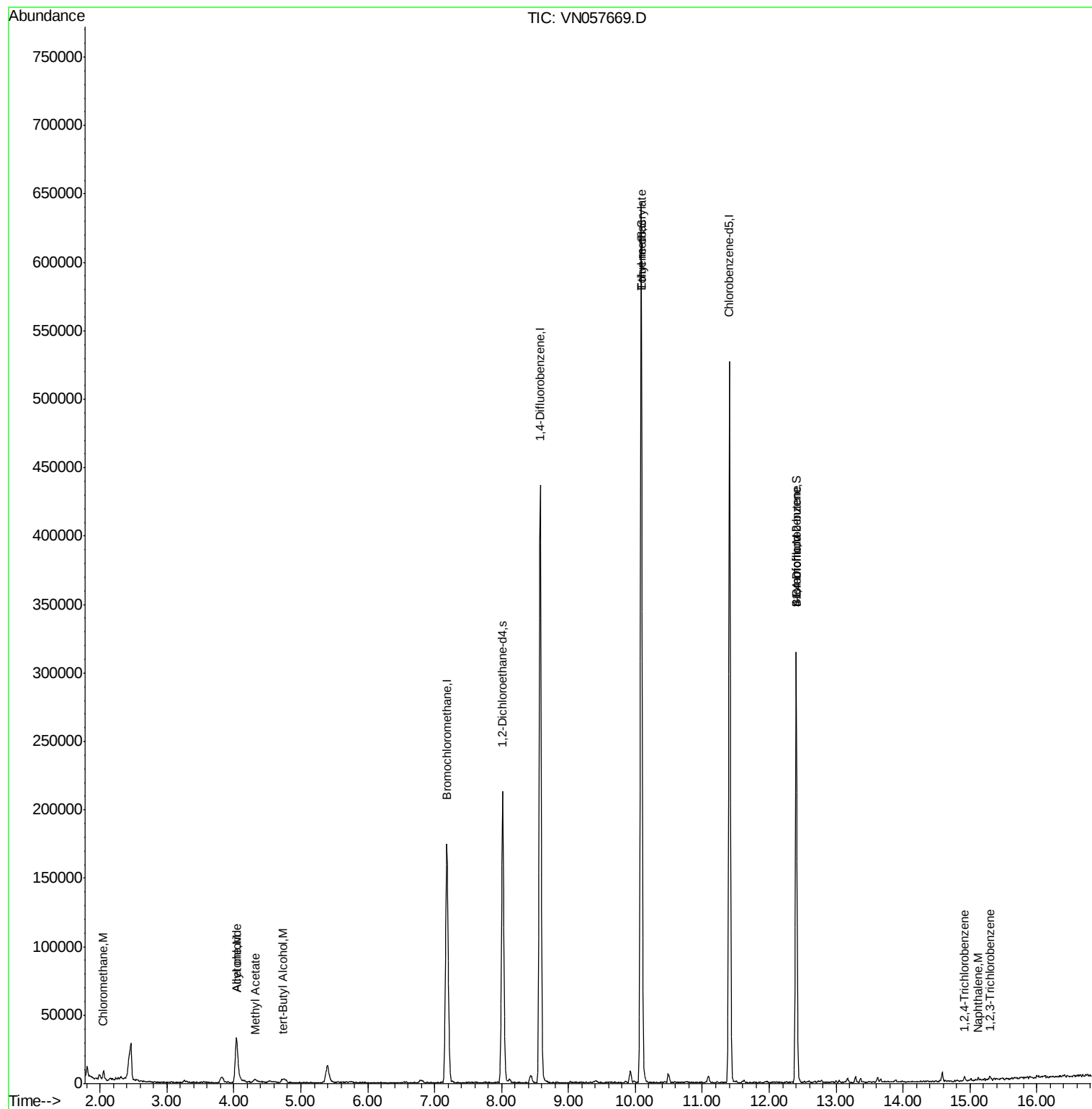
					Qvalue	
3) Chloromethane	2.05	50	4324	0.989	ug/l	97
12) Methyl Acetate	4.31	43	2625	0.541	ug/l #	90
15) Acetone	4.03	58	407	0.822	ug/l	94
17) Allyl chloride	4.03	41	3905	0.563	ug/l	97
23) tert-Butyl Alcohol	4.73	59	310	0.483	ug/l #	100
51) Ethyl methacrylate	10.09	69	1791	0.291	ug/l #	71
56) Bromoform	12.40	173	786	0.321	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	60310	50.740	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.91	180	565	0.354	ug/l #	12
91) Naphthalene	15.13	128	1037	0.250	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.30	180	564	0.364	ug/l	51

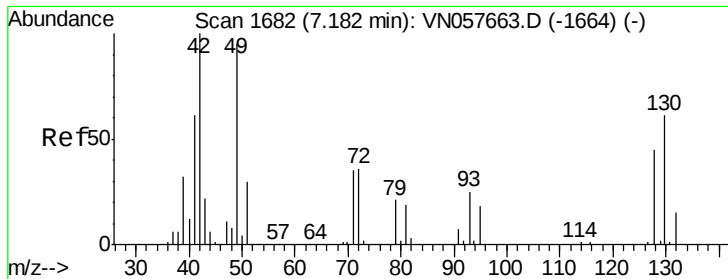
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
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TT-TB-20190830

Quant Time: Sep 04 02:13:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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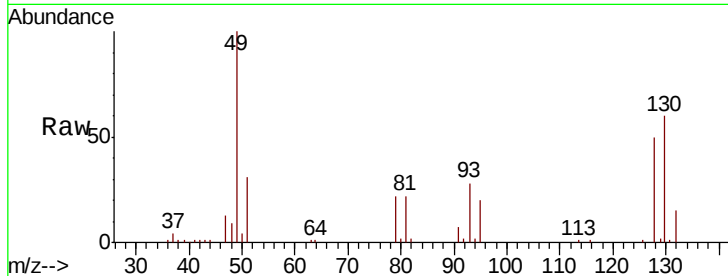


#1

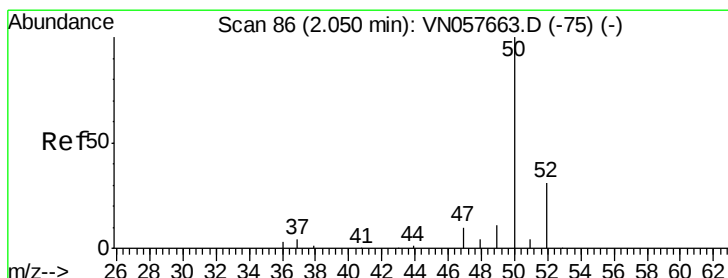
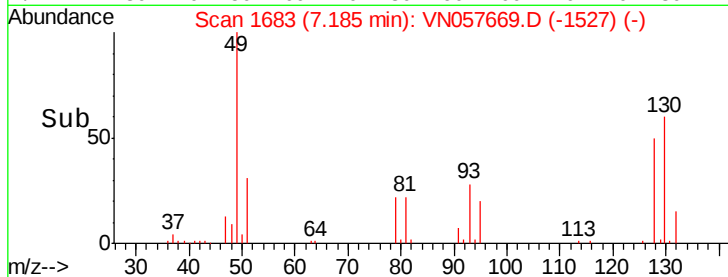
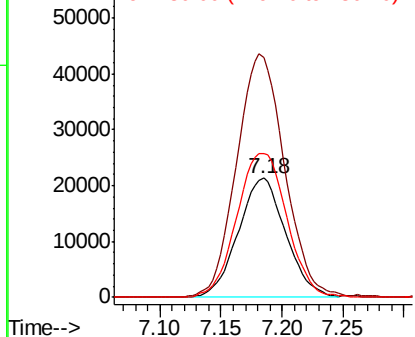
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

Tgt Ion: 128 Resp: 57563
 Ion Ratio Lower Upper
 128 100
 49 205.9 0.0 544.5
 130 127.8 0.0 324.7



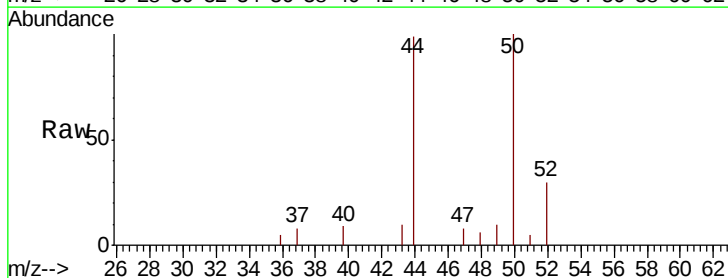
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V



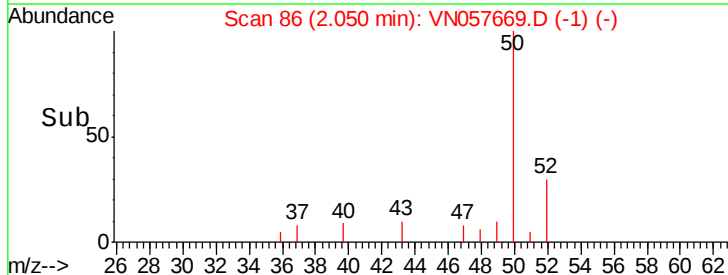
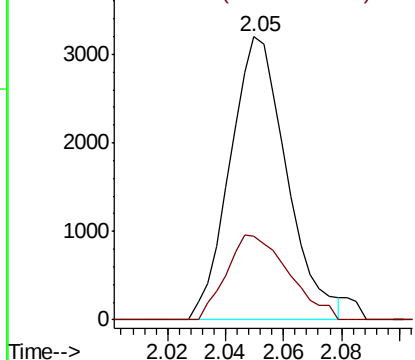
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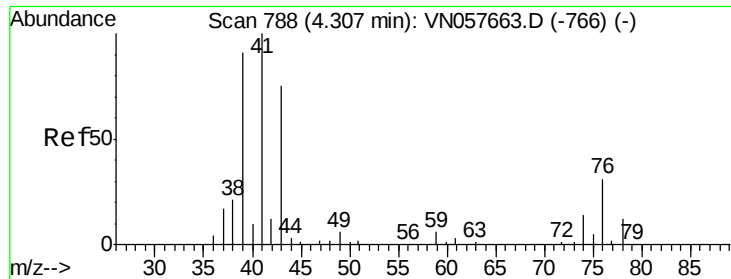
Chloromethane
 Concen: 0.989 ug/l
 RT: 2.05 min Scan# 86
 Delta R.T. -0.00 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

Tgt Ion: 50 Resp: 4324
 Ion Ratio Lower Upper
 50 100
 52 29.7 25.2 37.8



Abundance Ion 50.00 (49.70 to 50.70): VN
 Ion 52.00 (51.70 to 52.70): VN

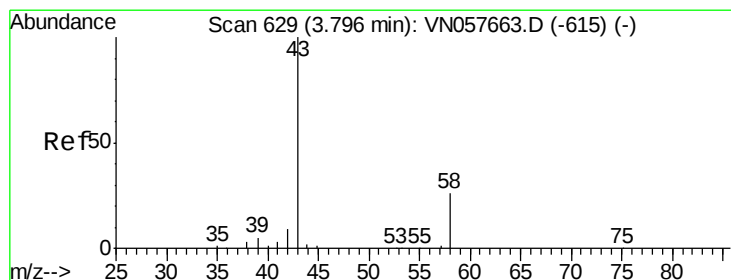
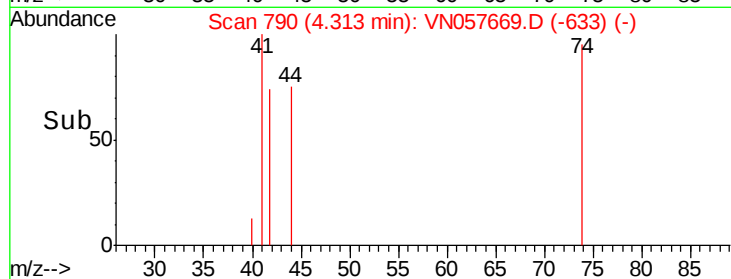
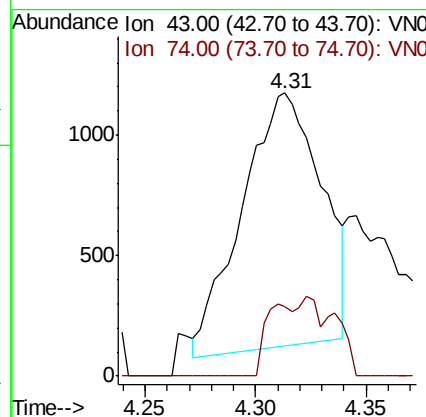
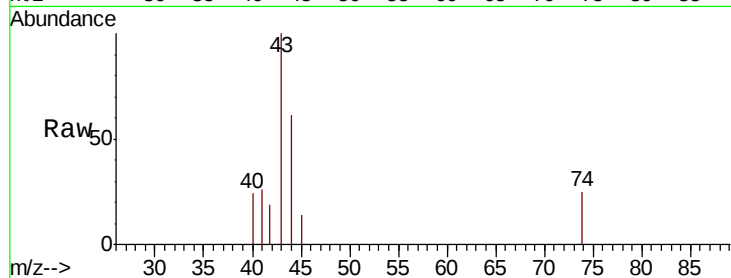




#12
Methyl Acetate
Concen: 0.541 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057669.D
Acq: 3 Sep 2019 18:13

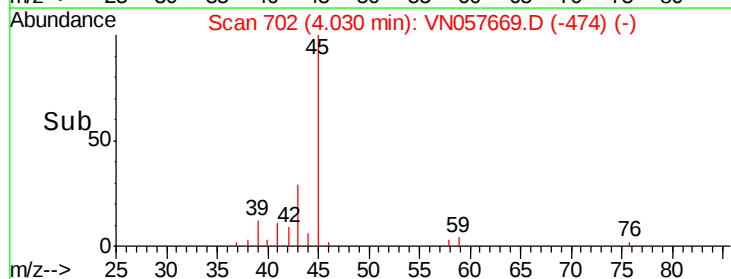
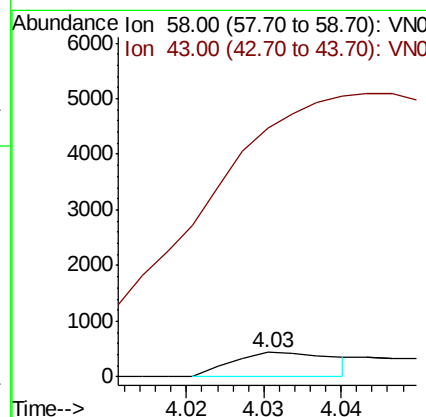
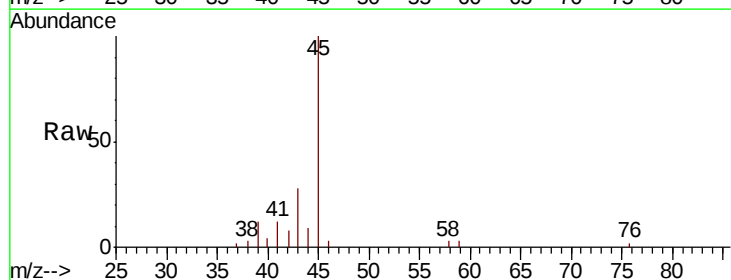
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20190830

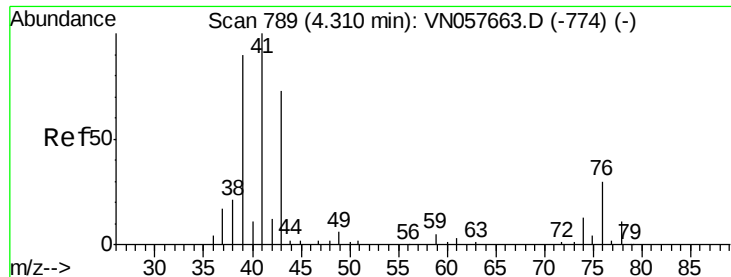
Tgt Ion: 43 Resp: 2625
Ion Ratio Lower Upper
43 100
74 22.9 14.6 22.0#



#15
Acetone
Concen: 0.822 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.23 min
Lab File: VN057669.D
Acq: 3 Sep 2019 18:13

Tgt Ion: 58 Resp: 407
Ion Ratio Lower Upper
58 100
43 399.3 308.8 463.2

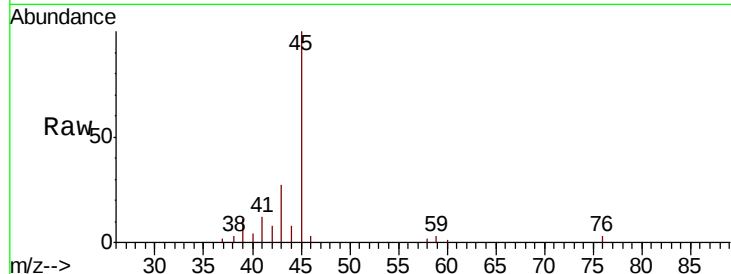




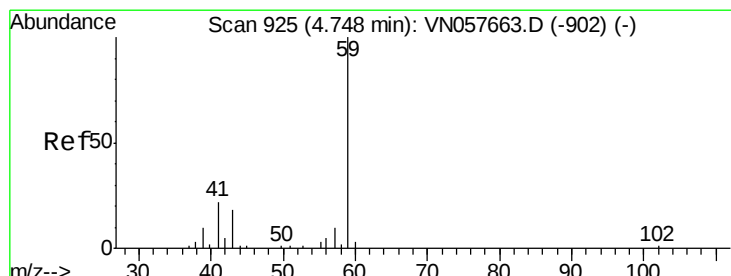
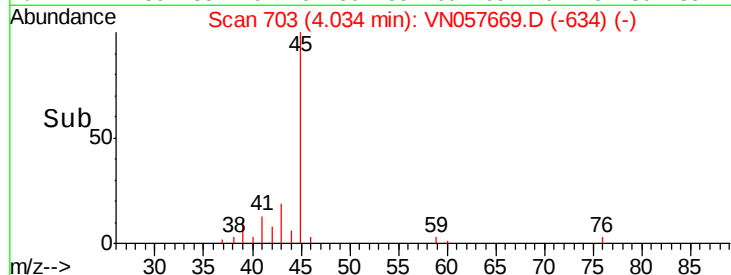
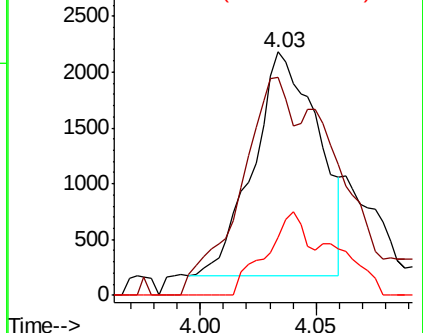
#17
 Allyl chloride
 Concen: 0.563 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. -0.28 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

Tgt Ion: 41 Resp: 3905
 Ion Ratio Lower Upper
 41 100
 39 87.7 43.0 128.8
 76 26.0 14.2 42.8

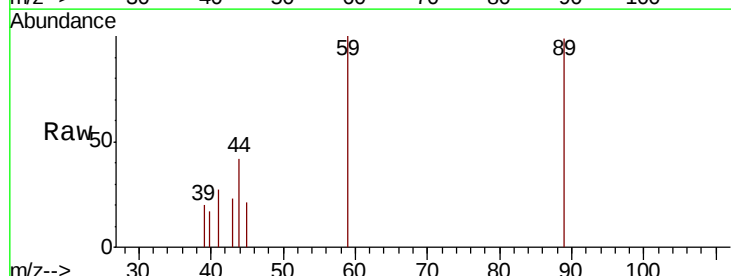


Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0
 Ion 76.00 (75.70 to 76.70): VN0

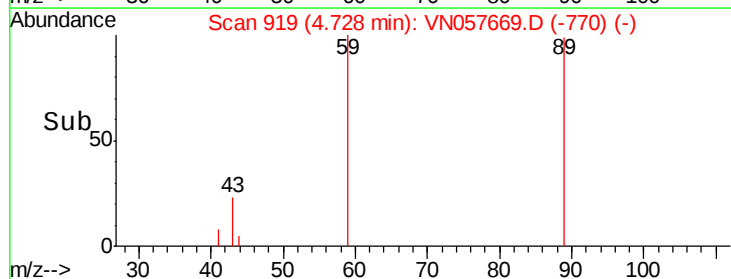
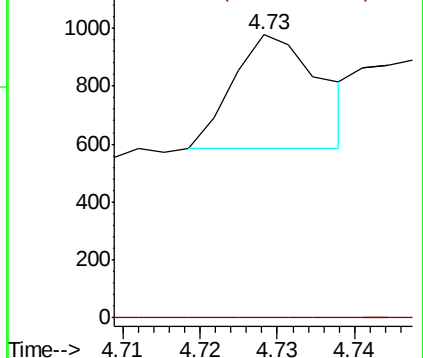


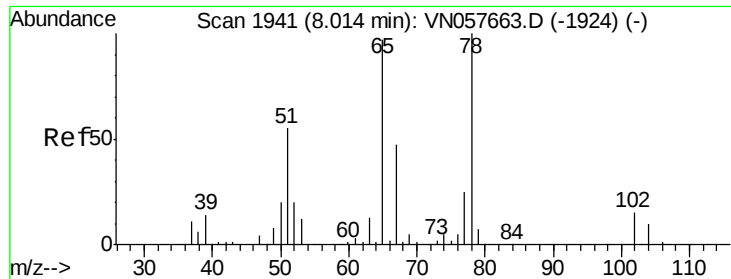
#23
 tert-Butyl Alcohol
 Concen: 0.483 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.02 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

Tgt Ion: 59 Resp: 310
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0

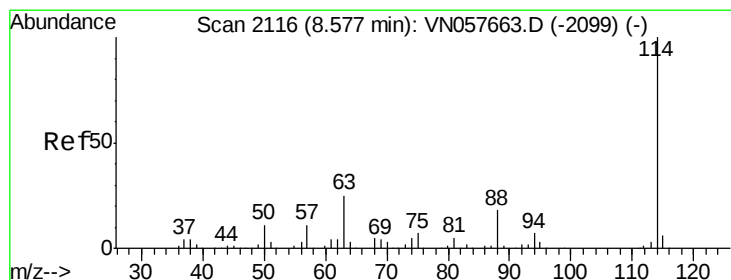
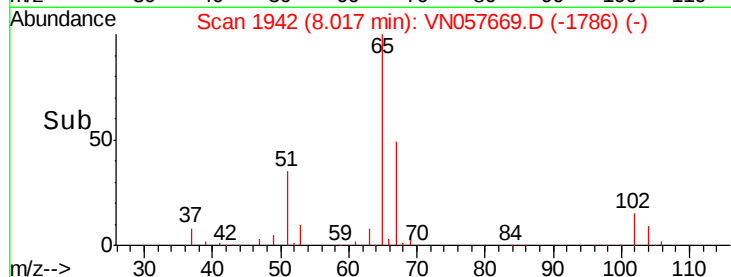
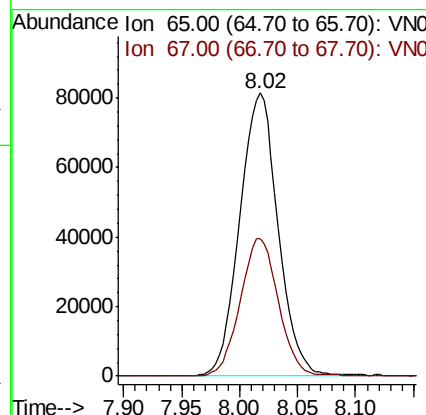
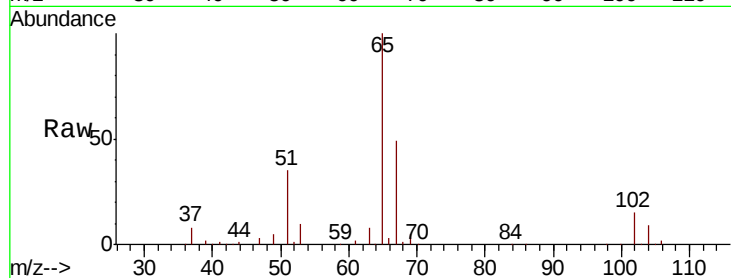




#27
 1,2-Dichloroethane-d4
 Concen: 30.594 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

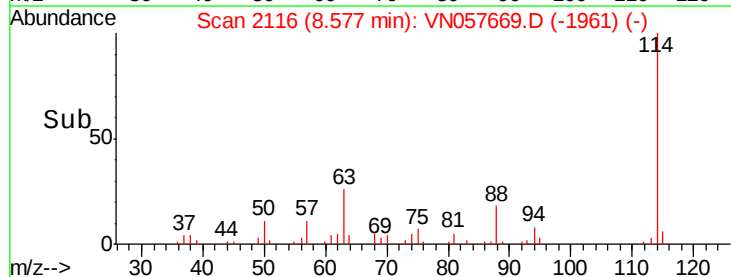
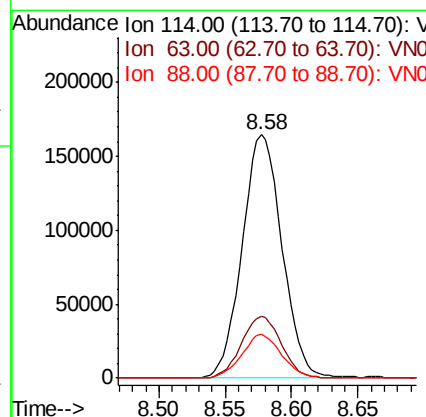
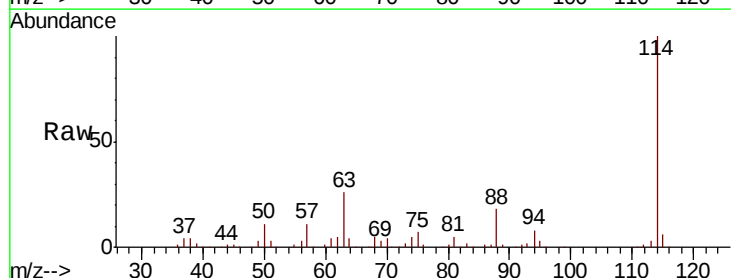
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

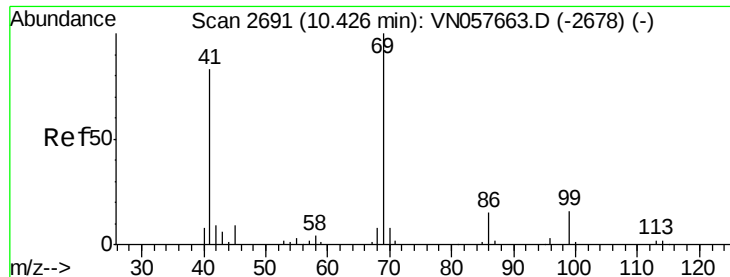
Tgt Ion: 65 Resp: 187213
 Ion Ratio Lower Upper
 65 100
 67 48.3 38.6 57.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

Tgt Ion: 114 Resp: 344562
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.6 30.8
 88 17.9 14.3 21.5





#51

Ethyl methacrylate

Concen: 0.291 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.33 min

Lab File: VN057669.D

Acq: 3 Sep 2019 18:13

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20190830

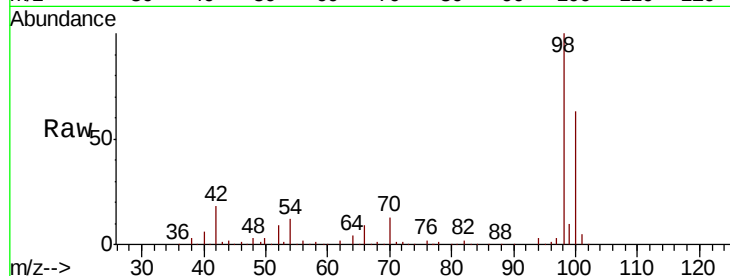
Tgt Ion: 69 Resp: 1791

Ion Ratio Lower Upper

69 100

41 72.5 41.5 124.5

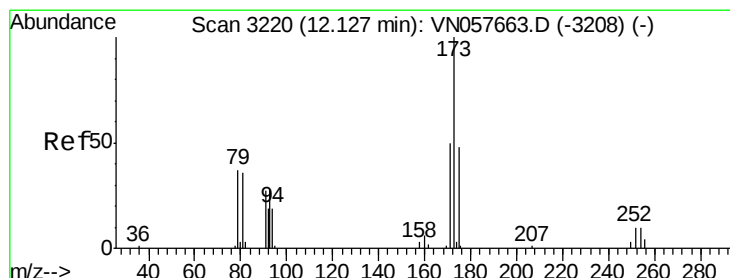
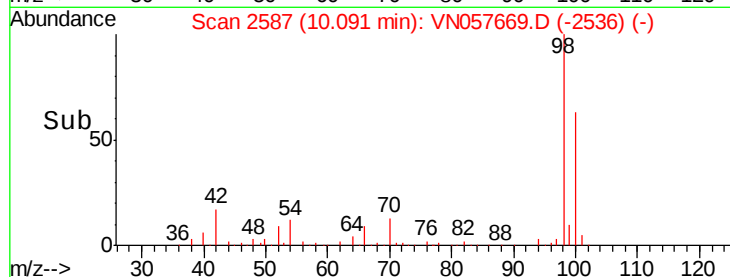
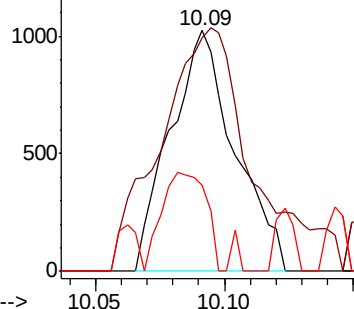
39 19.5 29.6 88.9#



Abundance Ion 69.00 (68.70 to 69.70): VN057669.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN057669.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN057669.D (-2536) (-)



#56

Bromoform

Concen: 0.321 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN057669.D

Acq: 3 Sep 2019 18:13

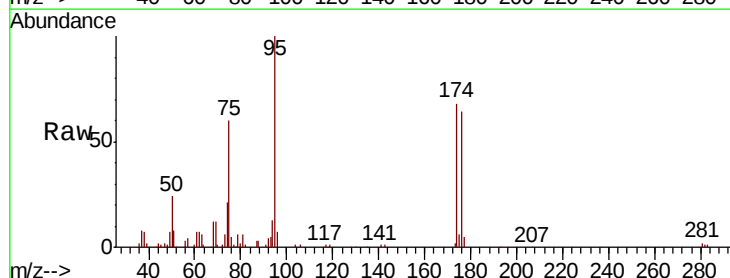
Tgt Ion: 173 Resp: 786

Ion Ratio Lower Upper

173 100

175 667.0 38.8 58.2#

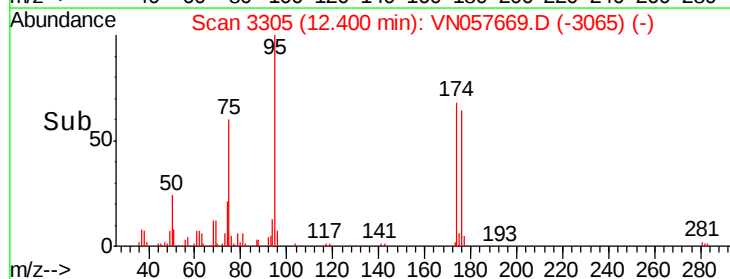
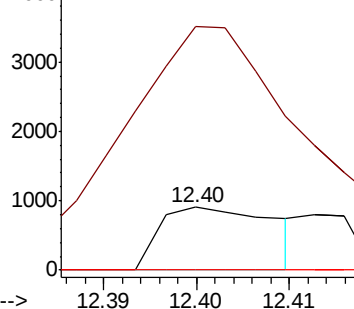
254 0.0 7.2 10.8#

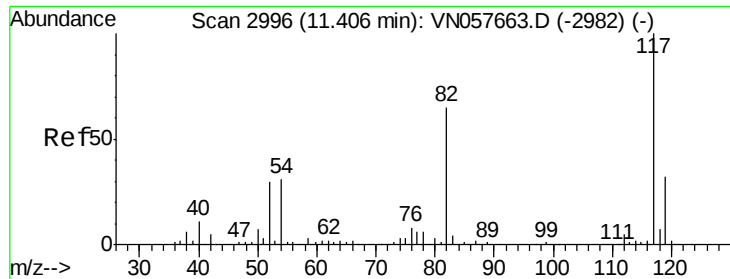


Abundance Ion 173.00 (172.70 to 173.70): VN057669.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN057669.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN057669.D (-3065) (-)

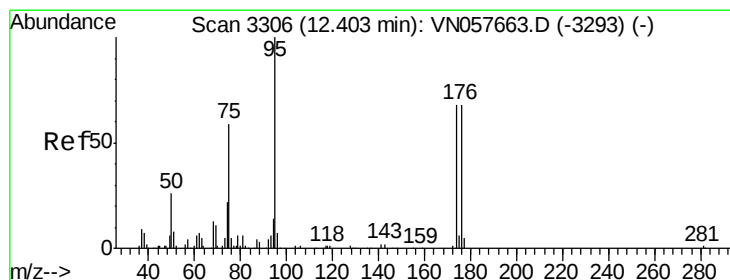
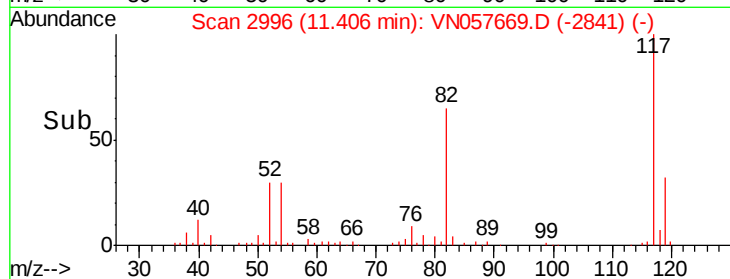
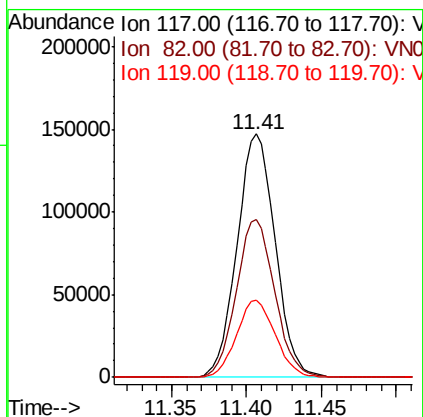
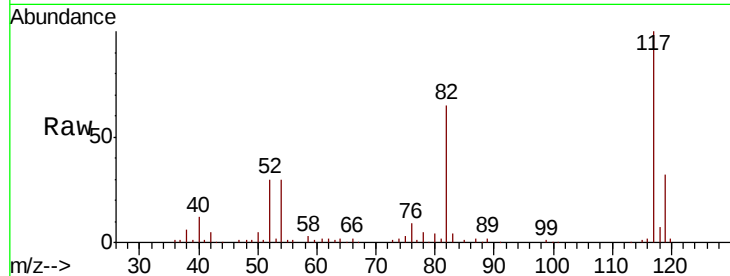




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057669.D
Acq: 3 Sep 2019 18:13

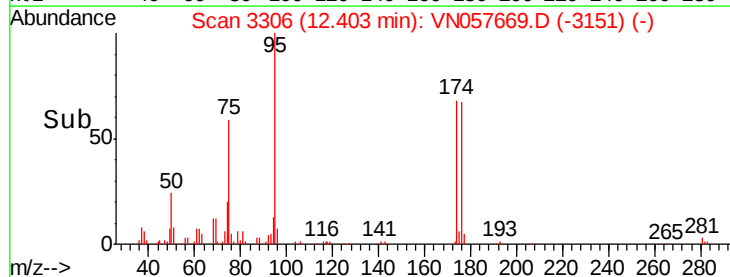
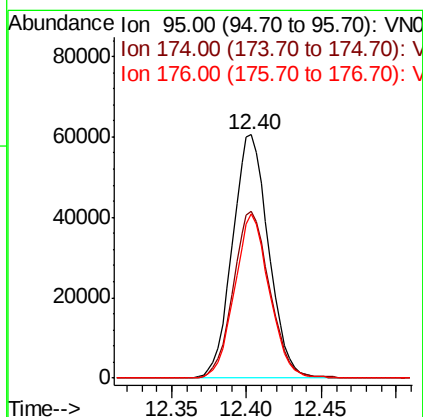
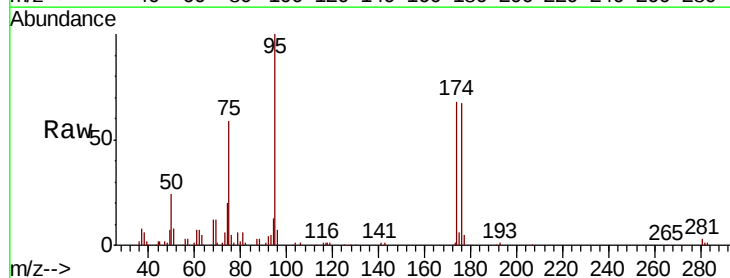
Instrument :
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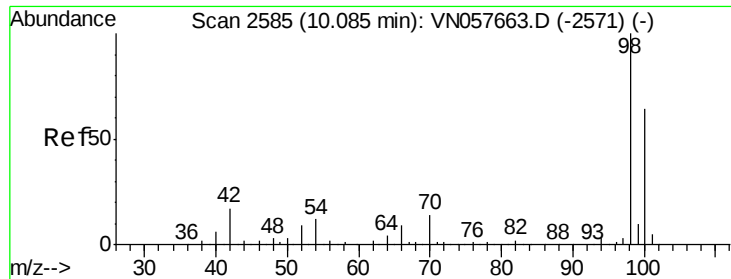
Tgt Ion: 117 Resp: 261757
Ion Ratio Lower Upper
117 100
82 65.0 51.2 76.8
119 32.1 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 22.802 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057669.D
Acq: 3 Sep 2019 18:13

Tgt Ion: 95 Resp: 101971
Ion Ratio Lower Upper
95 100
174 69.0 55.0 82.6
176 64.9 53.7 80.5





#63

Toluene-d8

Concen: 33.290 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057669.D

Acq: 3 Sep 2019 18:13

Instrument :

MSVOA_N

ClientSampleId :

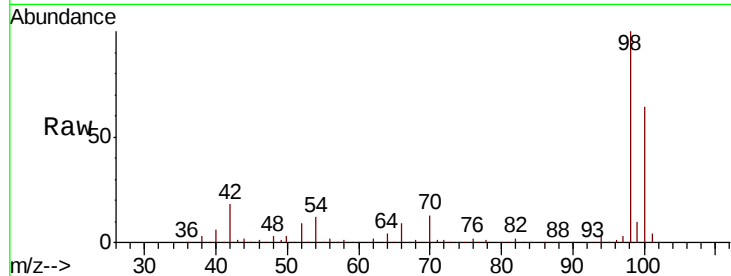
TT-TB-20190830

Tgt Ion: 98 Resp: 419602

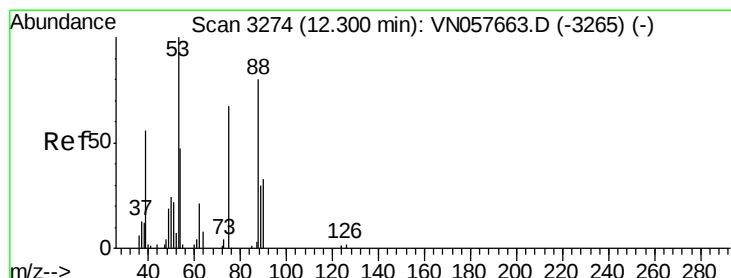
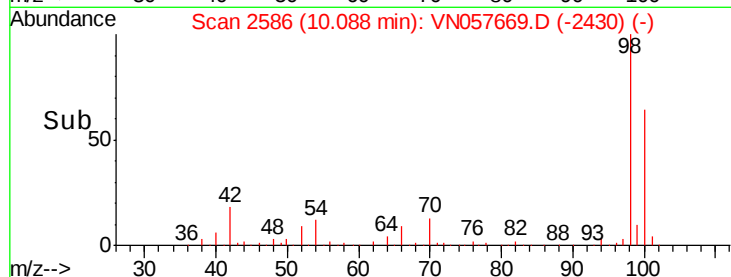
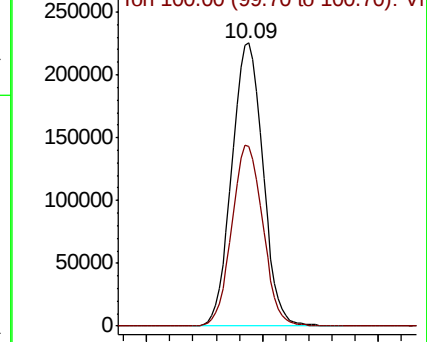
Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN057663.D (-2571) (-)



#77

t-1,4-Dichloro-2-butene

Concen: 50.740 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057669.D

Acq: 3 Sep 2019 18:13

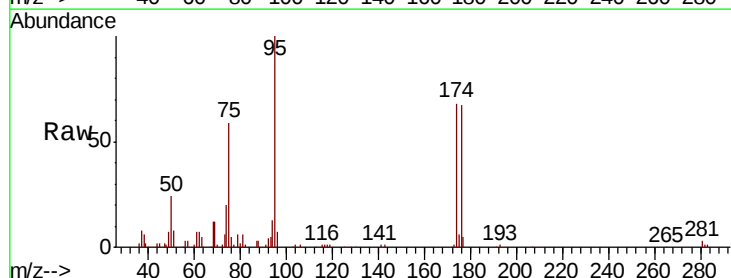
Tgt Ion: 75 Resp: 60310

Ion Ratio Lower Upper

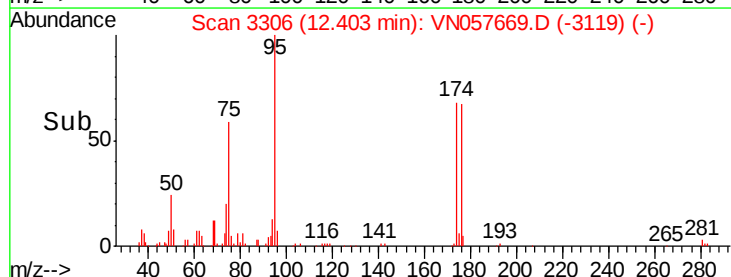
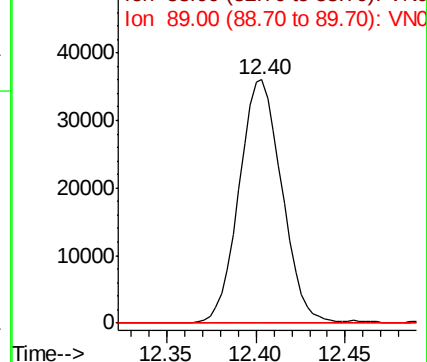
75 100

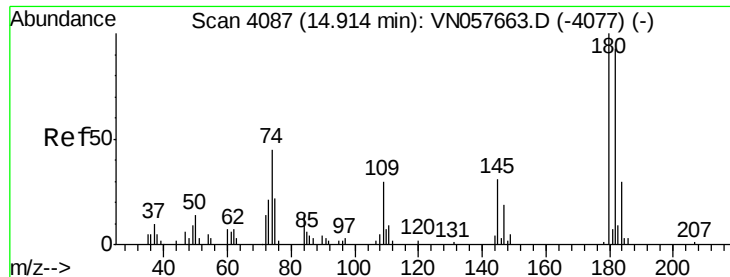
53 0.0 74.2 222.6#

89 0.0 23.3 69.9#



Abundance Ion 75.00 (74.70 to 75.70): VN057663.D (-3265) (-)

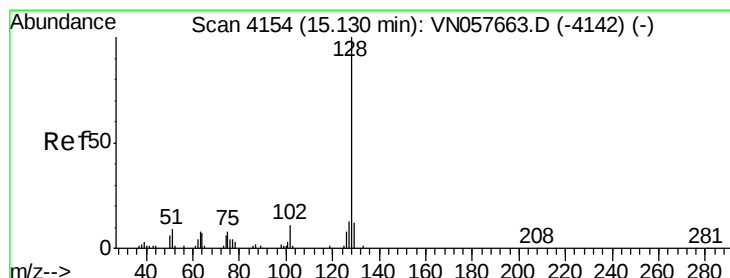
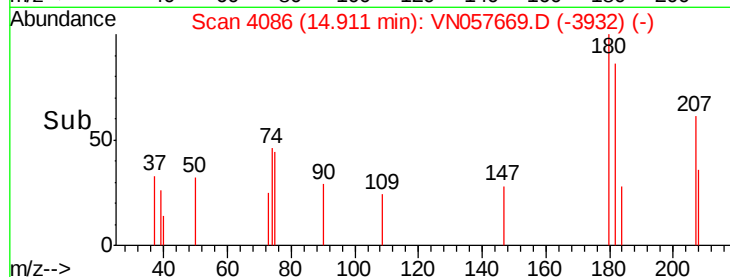
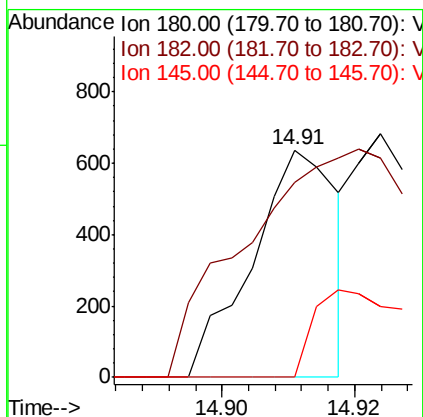
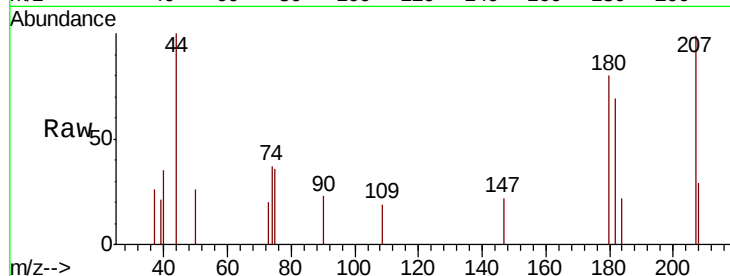




#89
 1,2,4-Trichlorobenzene
 Concen: 0.354 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

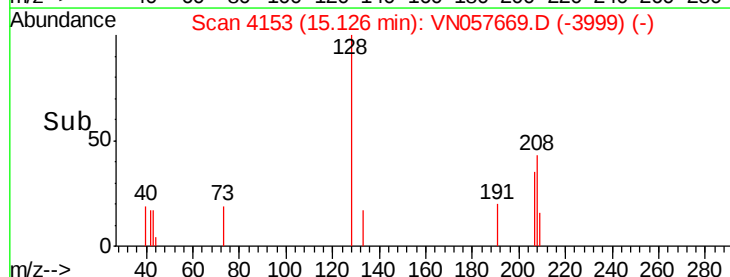
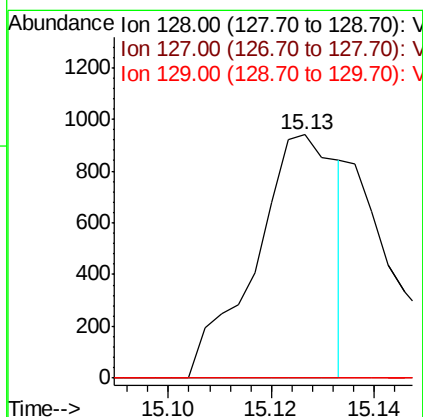
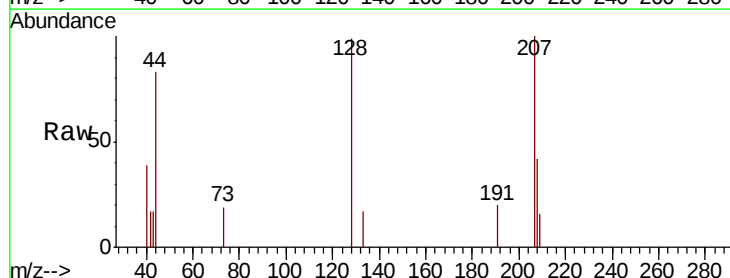
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

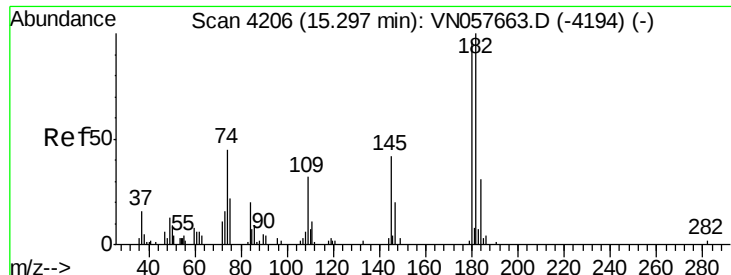
Tgt Ion:180 Resp: 565
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.4 116.2#
 145 0.0 25.1 37.7#



#91
 Naphthalene
 Concen: 0.250 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

Tgt Ion:128 Resp: 1037
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 9.1 13.7#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.364 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN057669.D
 Acq: 3 Sep 2019 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

Tgt Ion	Ratio	Lower	Upper
180	100		
182	165.8	0.0	199.4
145	36.2	0.0	73.2

