

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
 Data File : VN057670.D
 Acq On : 3 Sep 2019 18:35
 Operator : JC/SP
 Sample : K4651-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

Quant Time: Sep 04 02:13:18 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	58248	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	356118	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	279315	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	191562	30.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.13%
60) 4-Bromofluorobenzene	12.40	95	106564	22.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.43%
63) Toluene-d8	10.09	98	435358	32.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.90%

Target Compounds

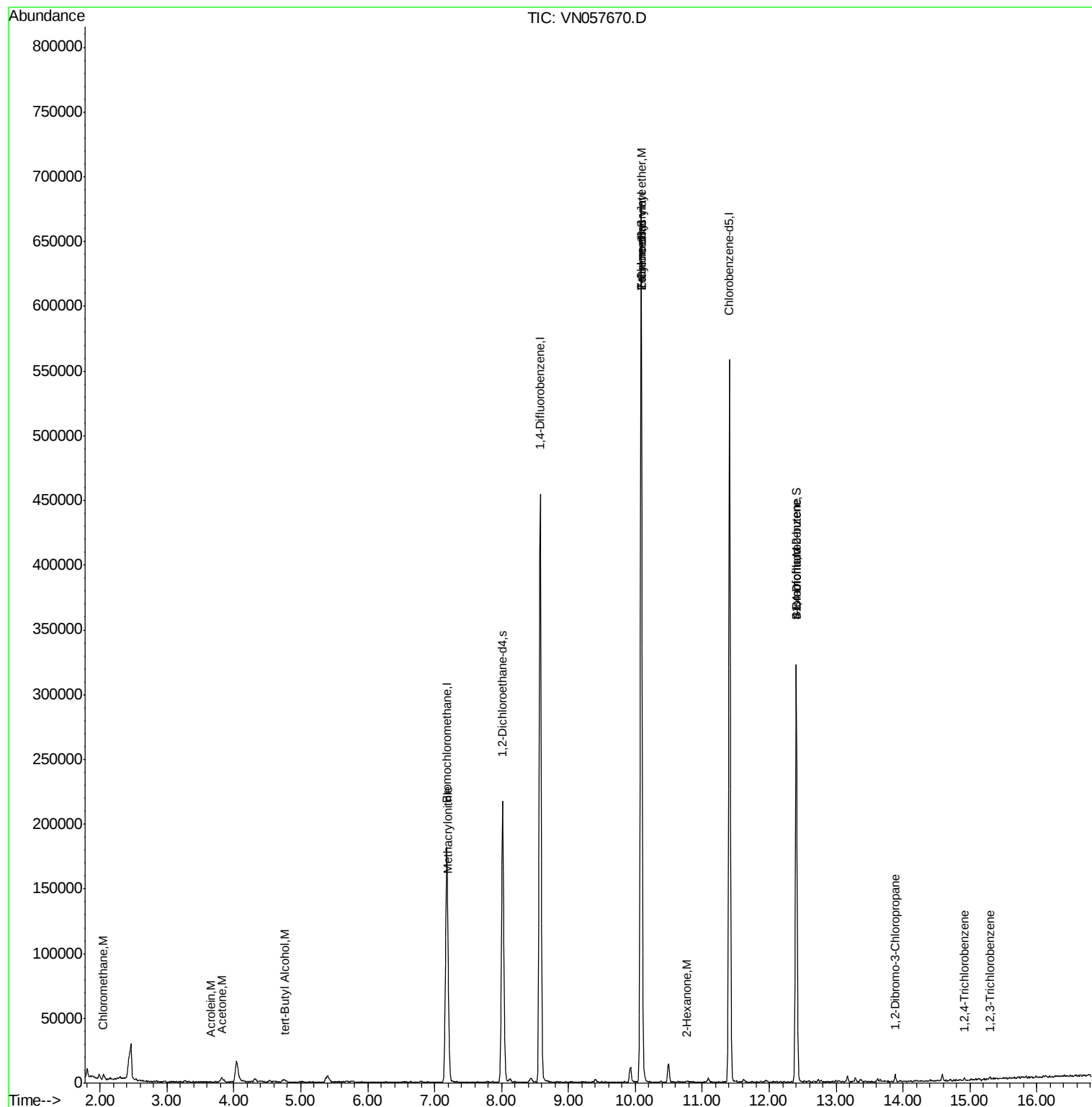
					Qvalue	
3) Chloromethane	2.05	50	2575	0.582	ug/l	92
13) Acrolein	3.66	56	71	0.255	ug/l #	67
15) Acetone	3.82	58	424	0.847	ug/l #	1
23) tert-Butyl Alcohol	4.75	59	969	1.492	ug/l #	100
35) Methacrylonitrile	7.21	41	667	0.271	ug/l #	47
51) Ethyl methacrylate	10.10	69	1741	0.273	ug/l #	75
55) 2-Chloroethyl vinyl ether	10.09	63	544	0.270	ug/l #	1
56) Bromoform	12.40	173	706	0.279	ug/l #	1
59) 2-Hexanone	10.76	43	865	0.248	ug/l #	39
77) t-1,4-Dichloro-2-butene	12.40	75	64208	50.624	ug/l #	1
88) 1,2-Dibromo-3-Chloropropan	13.89	75	143	0.221	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.91	180	716	0.420	ug/l #	80
92) 1,2,3-Trichlorobenzene	15.30	180	692	0.418	ug/l	64

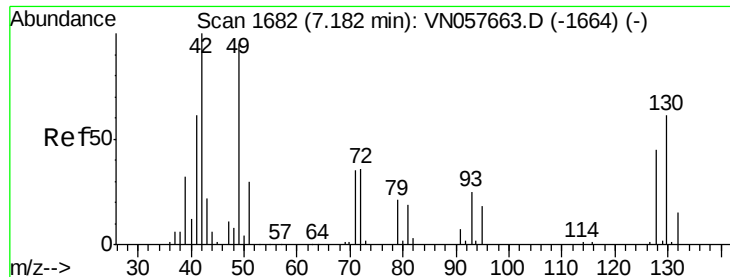
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20190830

Quant Time: Sep 04 02:13:18 2019
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN057670.D

Acq: 3 Sep 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20190830

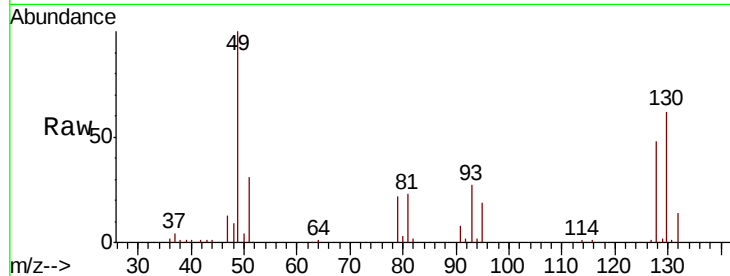
Tgt Ion:128 Resp: 58248

Ion Ratio Lower Upper

128 100

49 211.7 0.0 544.5

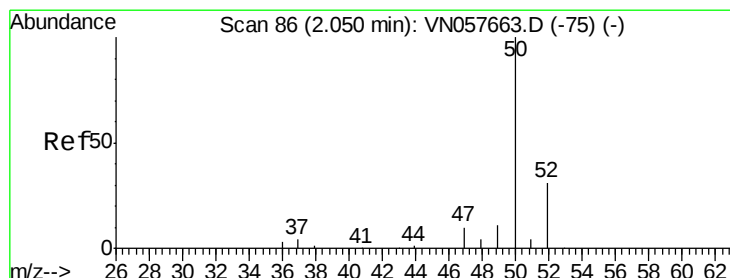
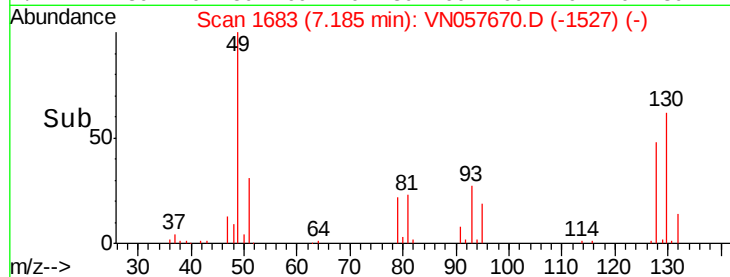
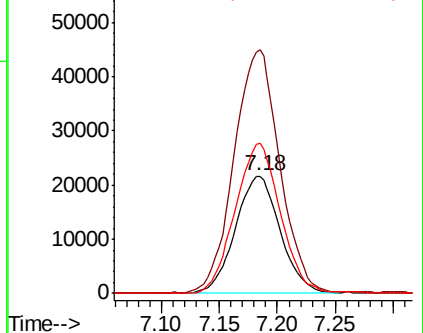
130 128.7 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.582 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057670.D

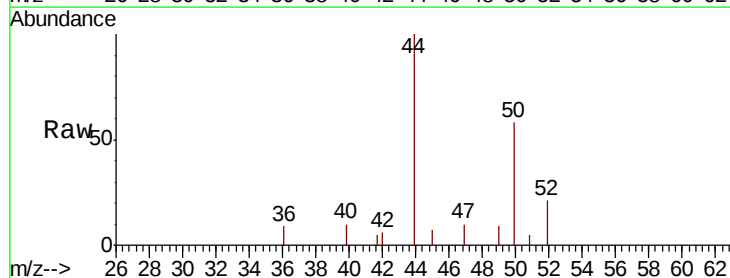
Acq: 3 Sep 2019 18:35

Tgt Ion: 50 Resp: 2575

Ion Ratio Lower Upper

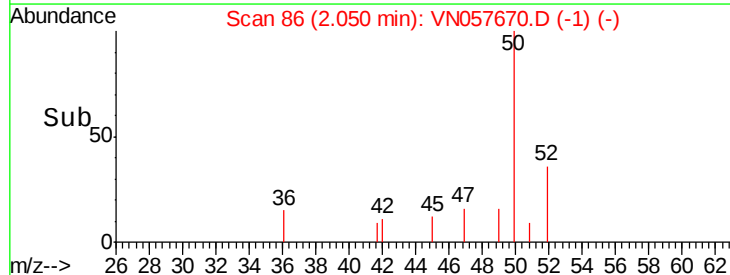
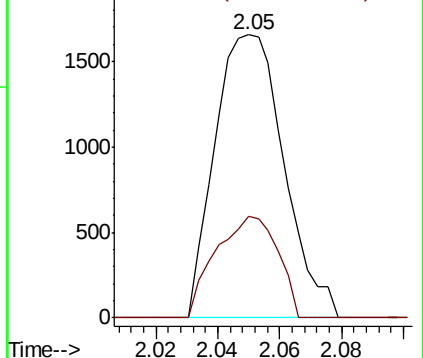
50 100

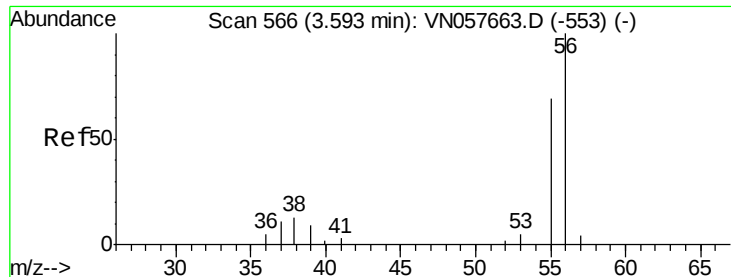
52 35.8 25.2 37.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#13

Acrolein

Concen: 0.255 ug/l

RT: 3.66 min Scan# 588

Delta R.T. 0.07 min

Lab File: VN057670.D

Acq: 3 Sep 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

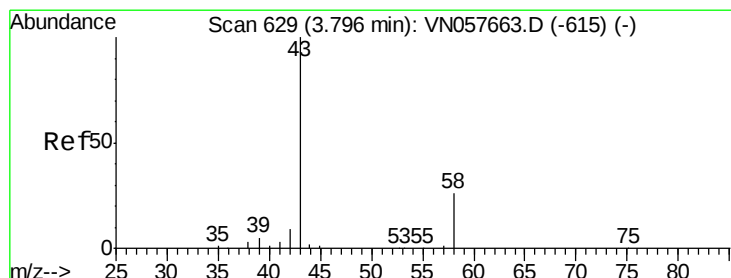
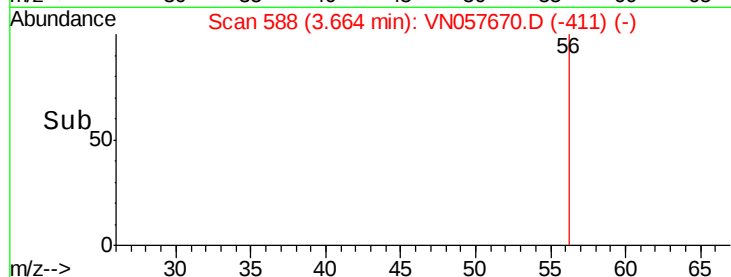
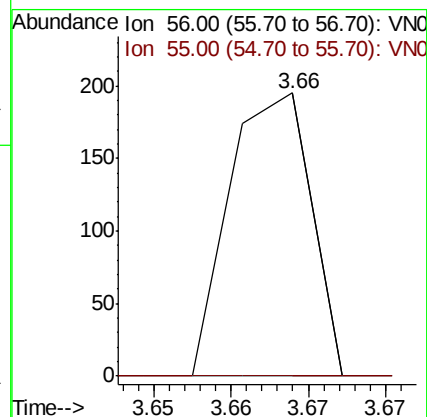
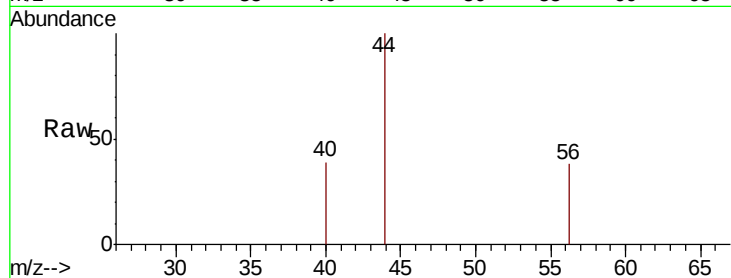
TT-TB-20190830

Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 94.4 54.2 81.4#



#15

Acetone

Concen: 0.847 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.03 min

Lab File: VN057670.D

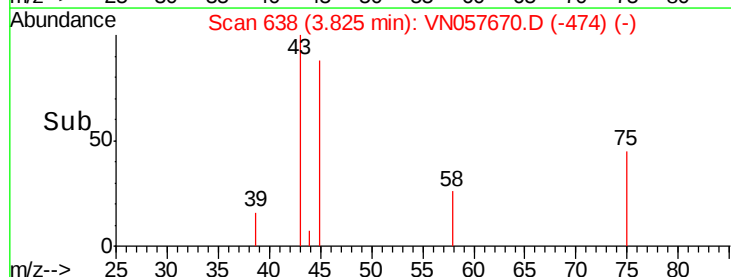
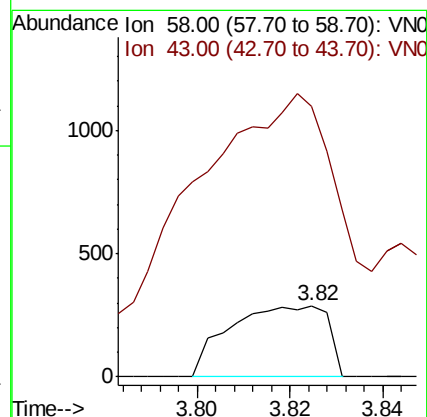
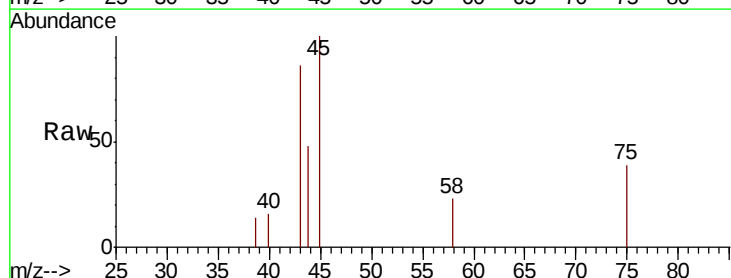
Acq: 3 Sep 2019 18:35

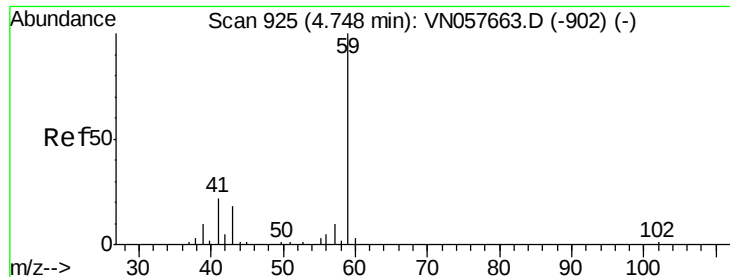
Tgt Ion: 58 Resp: 424

Ion Ratio Lower Upper

58 100

43 145.3 308.8 463.2#

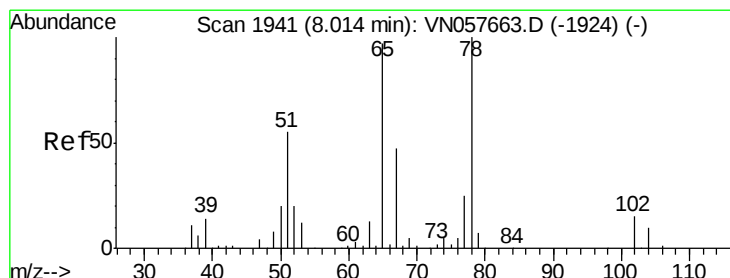
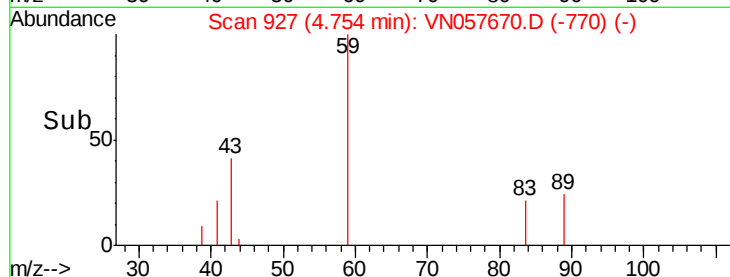
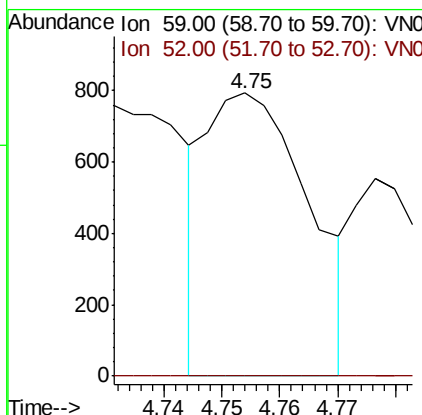
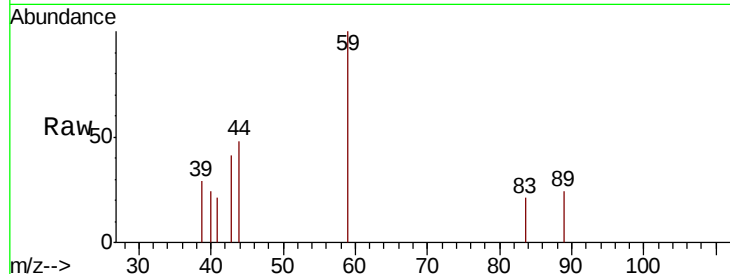




#23
 tert-Butyl Alcohol
 Concen: 1.492 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN057670.D
 Acq: 3 Sep 2019 18:35

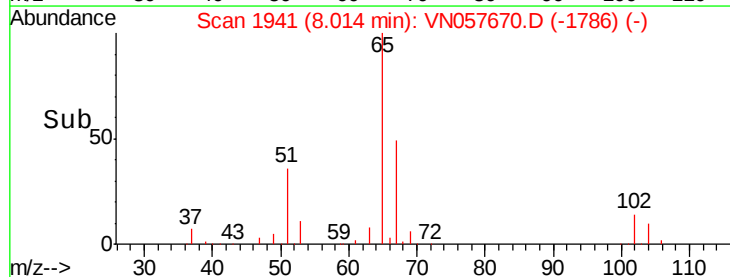
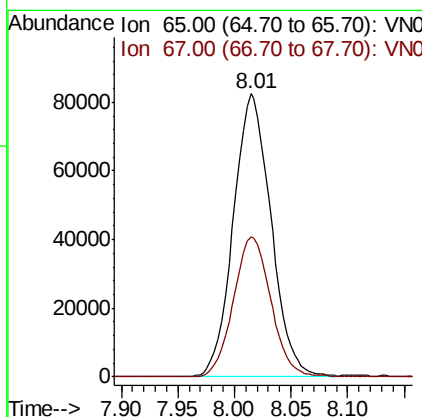
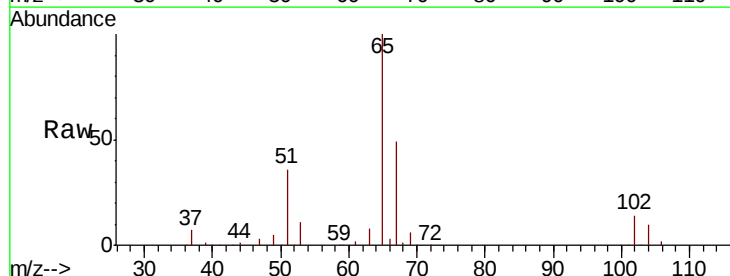
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

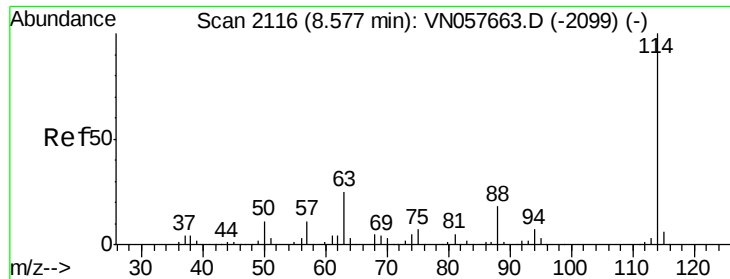
Tgt Ion: 59 Resp: 969
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: 30.937 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057670.D
 Acq: 3 Sep 2019 18:35

Tgt Ion: 65 Resp: 191562
 Ion Ratio Lower Upper
 65 100
 67 49.2 38.6 57.8

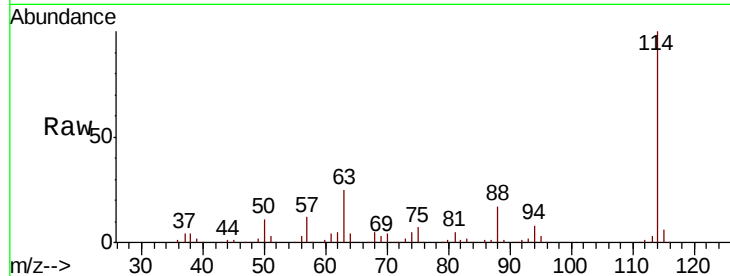




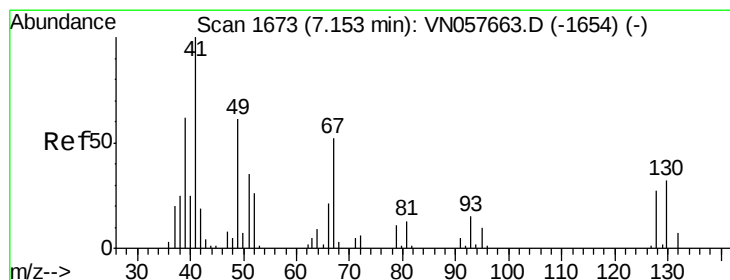
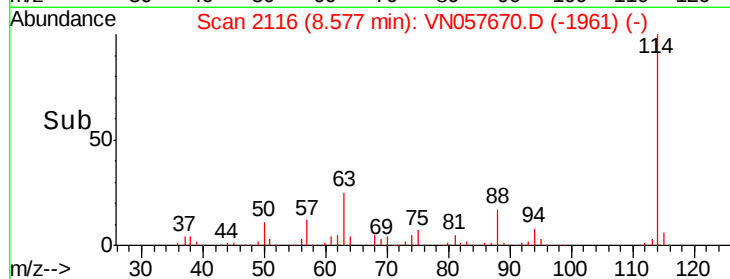
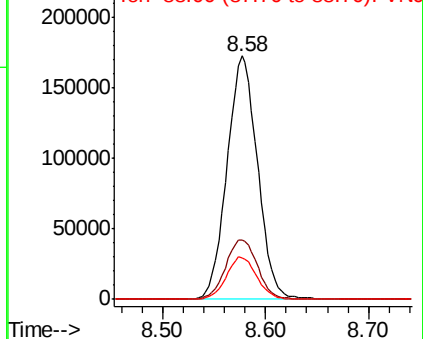
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057670.D
 Acq: 3 Sep 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

Tgt Ion: 114 Resp: 356118
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.6 30.8
 88 17.4 14.3 21.5

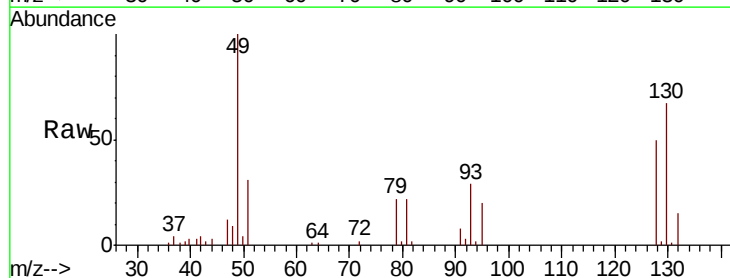


Abundance Ion 114.00 (113.70 to 114.70): VN057663.D (-2099) (-)
 Ion 63.00 (62.70 to 63.70): VN057663.D (-2099) (-)
 Ion 88.00 (87.70 to 88.70): VN057663.D (-2099) (-)

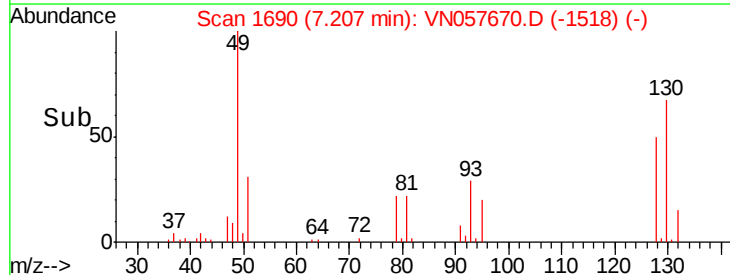
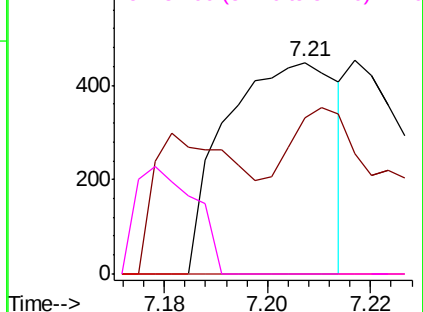


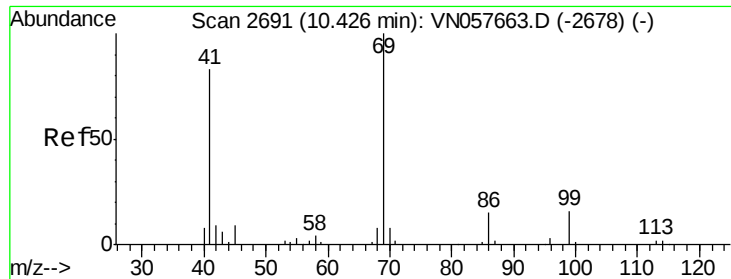
#35
 Methacrylonitrile
 Concen: 0.271 ug/l
 RT: 7.21 min Scan# 1690
 Delta R.T. 0.05 min
 Lab File: VN057670.D
 Acq: 3 Sep 2019 18:35

Tgt Ion: 41 Resp: 667
 Ion Ratio Lower Upper
 41 100
 39 34.1 31.0 93.0
 67 0.0 25.9 77.7#
 52 0.0 12.9 38.7#



Abundance Ion 41.00 (40.70 to 41.70): VN057663.D (-1654) (-)
 Ion 39.00 (38.70 to 39.70): VN057663.D (-1654) (-)
 Ion 67.00 (66.70 to 67.70): VN057663.D (-1654) (-)
 Ion 52.00 (51.70 to 52.70): VN057663.D (-1654) (-)





#51

Ethyl methacrylate

Concen: 0.273 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN057670.D

Acq: 3 Sep 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20190830

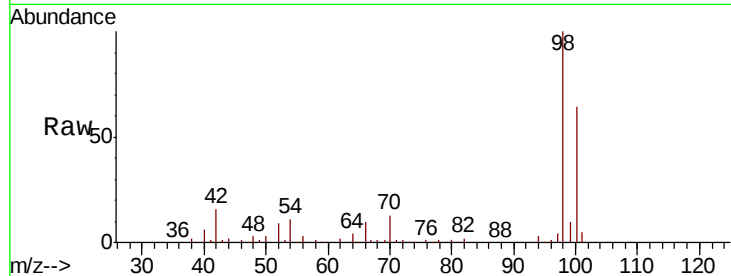
Tgt Ion: 69 Resp: 1741

Ion Ratio Lower Upper

69 100

41 91.1 41.5 124.5

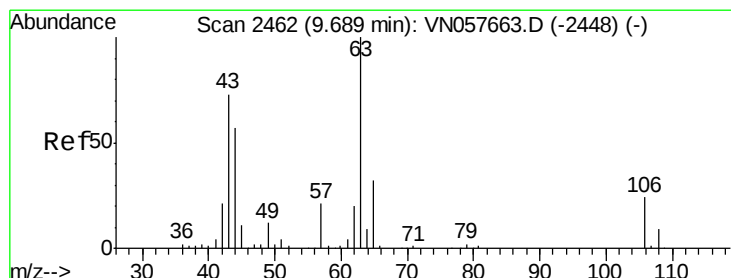
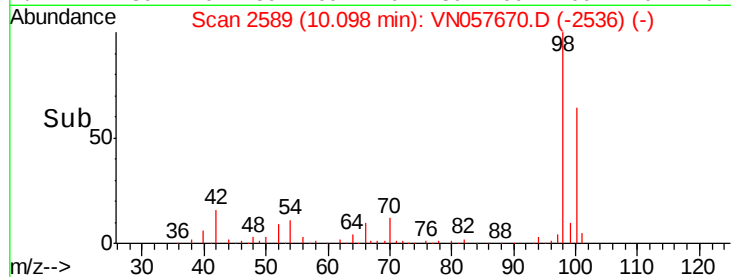
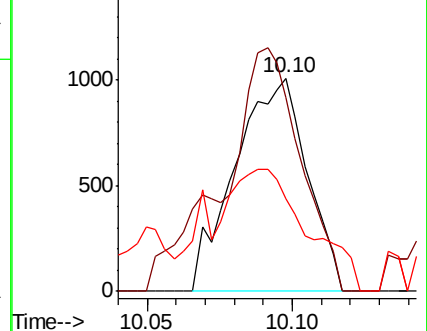
39 22.9 29.6 88.9#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#55

2-Chloroethyl vinyl ether

Concen: 0.270 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.40 min

Lab File: VN057670.D

Acq: 3 Sep 2019 18:35

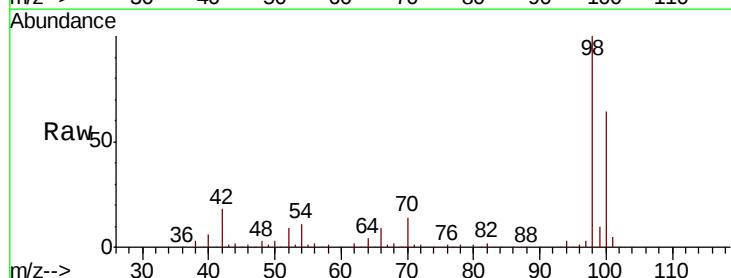
Tgt Ion: 63 Resp: 544

Ion Ratio Lower Upper

63 100

65 300.9 25.6 38.4#

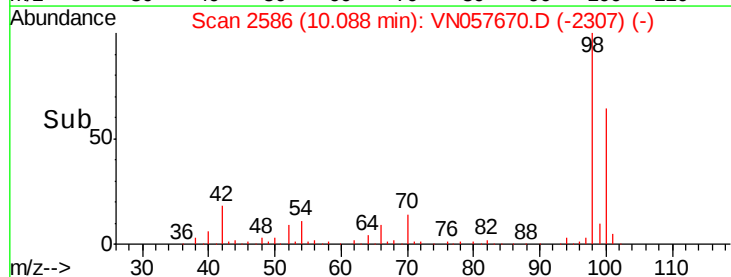
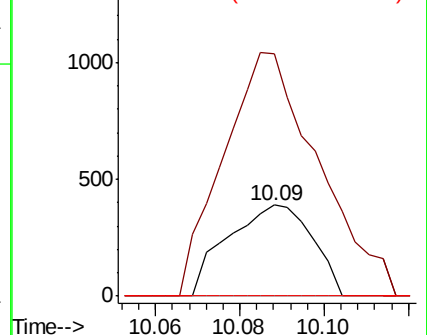
106 0.0 19.5 29.3#

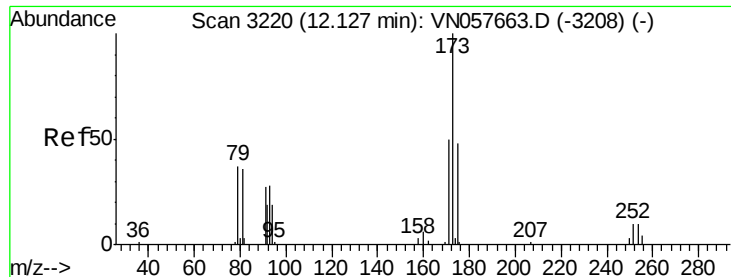


Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

Ion 106.00 (105.70 to 106.70): V

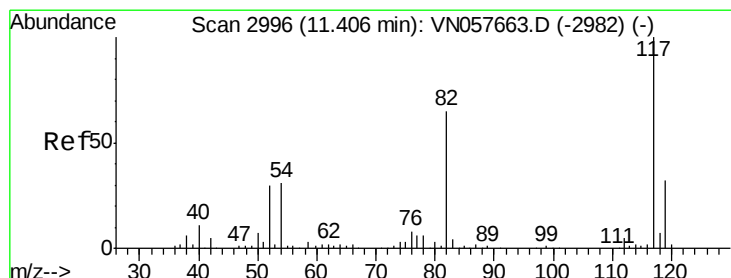
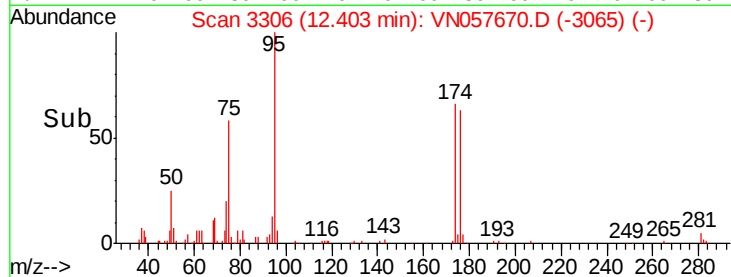
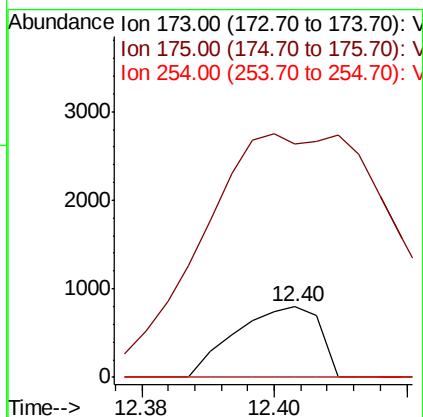
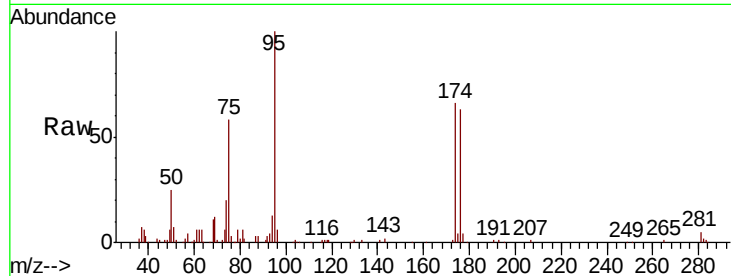




#56
Bromoform
Concen: 0.279 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN057670.D
Acq: 3 Sep 2019 18:35

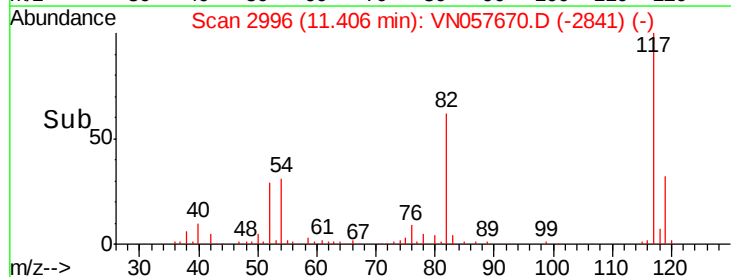
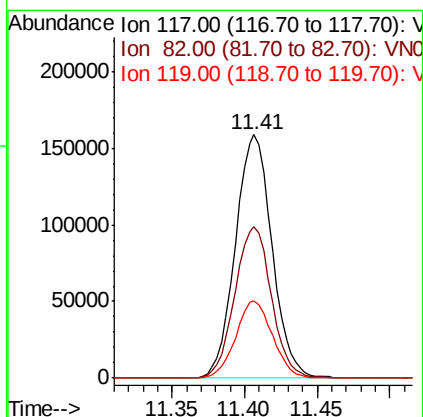
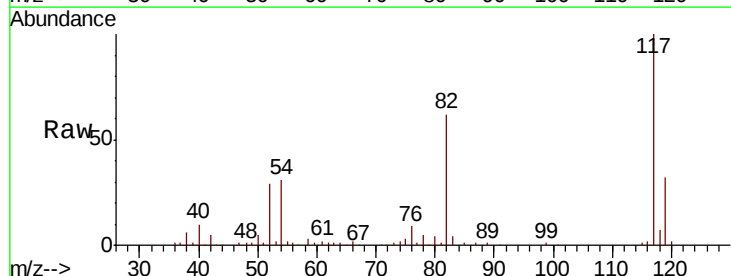
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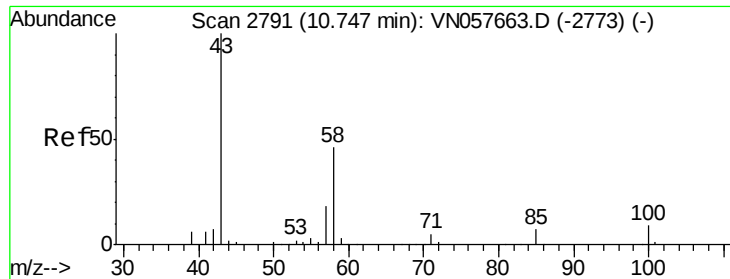
Tgt Ion:173 Resp: 706
Ion Ratio Lower Upper
173 100
175 411.8 38.8 58.2#
254 0.0 7.2 10.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057670.D
Acq: 3 Sep 2019 18:35

Tgt Ion:117 Resp: 279315
Ion Ratio Lower Upper
117 100
82 62.0 51.2 76.8
119 31.7 25.8 38.6

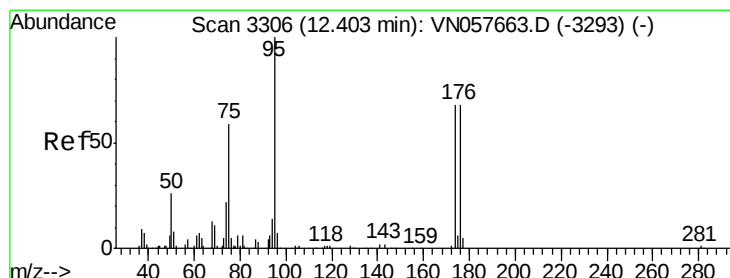
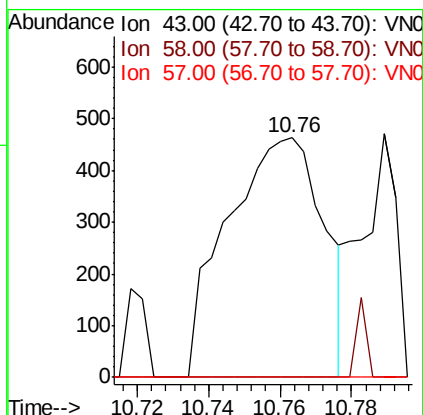
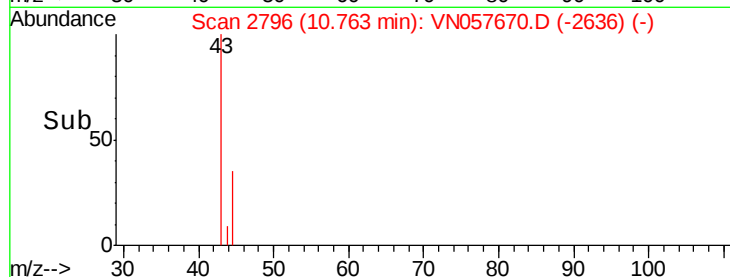
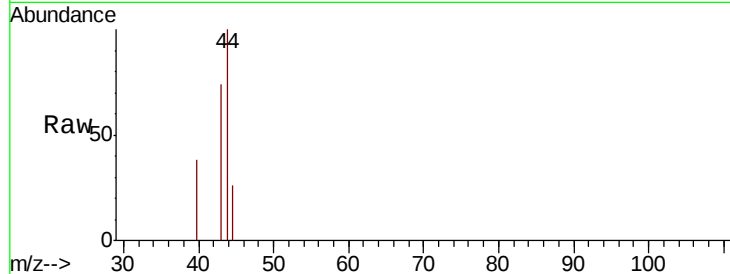




#59
2-Hexanone
Concen: 0.248 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057670.D
Acq: 3 Sep 2019 18:35

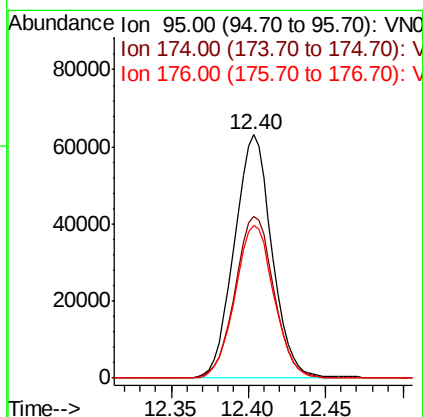
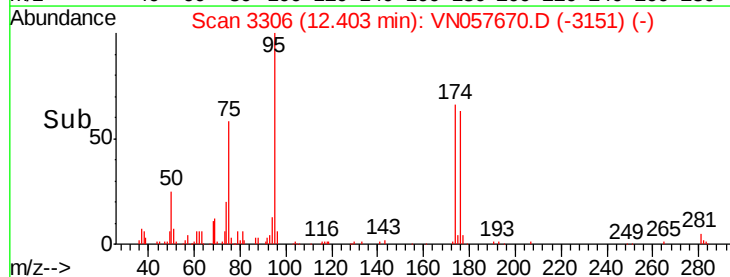
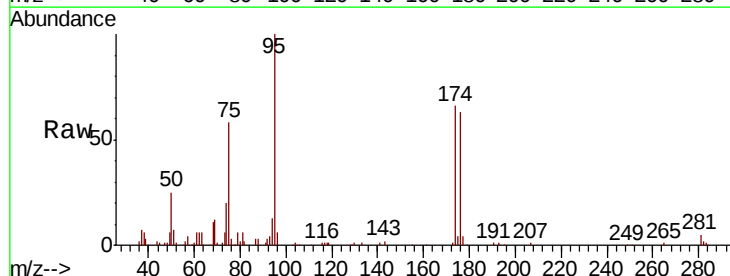
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20190830

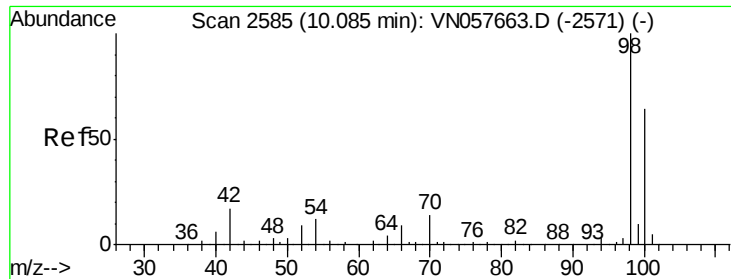
Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#
57 0.0 14.1 21.1#



#60
4-Bromofluorobenzene
Concen: 22.331 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057670.D
Acq: 3 Sep 2019 18:35

Tgt Ion: 95 Resp: 106564
Ion Ratio Lower Upper
95 100
174 68.6 55.0 82.6
176 65.0 53.7 80.5





#63

Toluene-d8

Concen: 32.369 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057670.D

Acq: 3 Sep 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

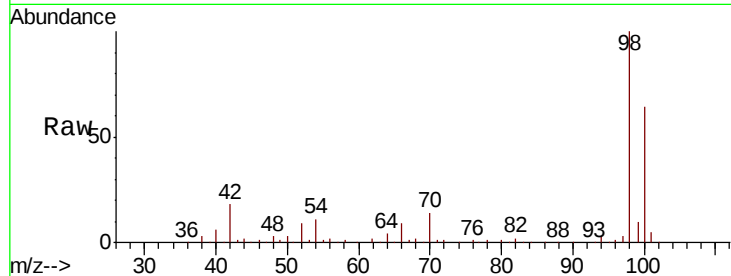
TT-TB-20190830

Tgt Ion: 98 Resp: 435358

Ion Ratio Lower Upper

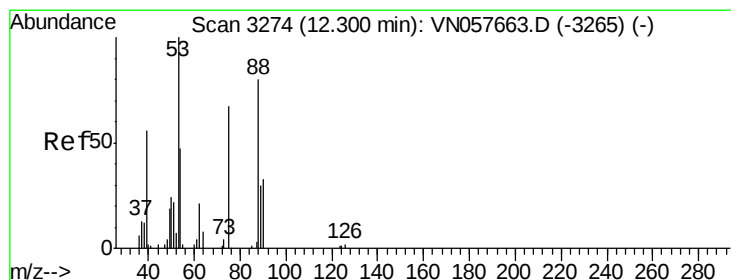
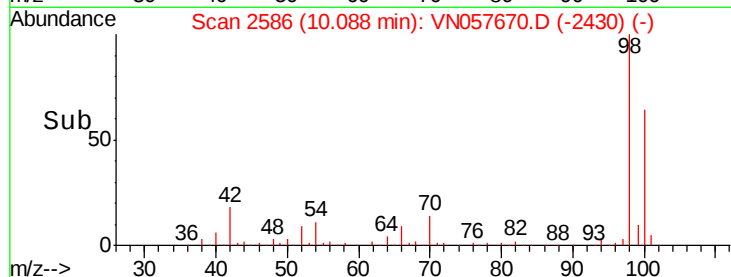
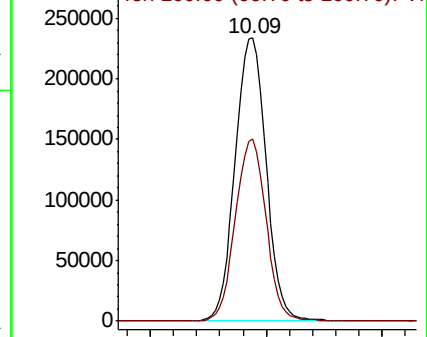
98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#77

t-1,4-Dichloro-2-butene

Concen: 50.624 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057670.D

Acq: 3 Sep 2019 18:35

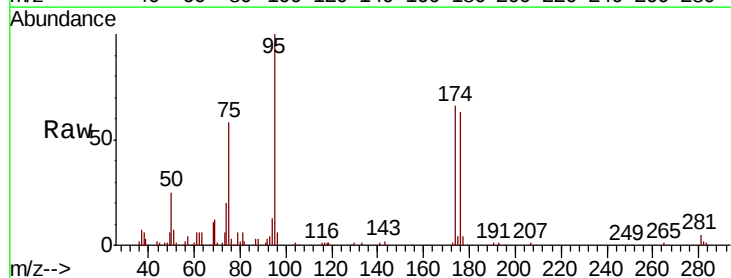
Tgt Ion: 75 Resp: 64208

Ion Ratio Lower Upper

75 100

53 0.0 74.2 222.6#

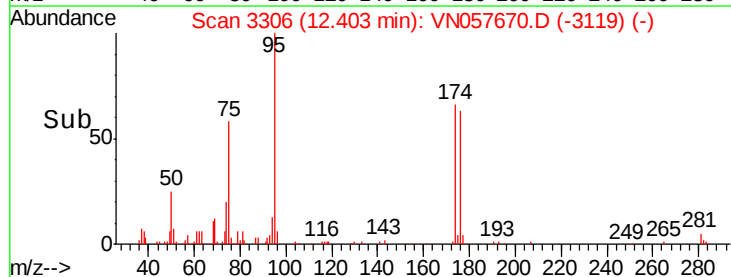
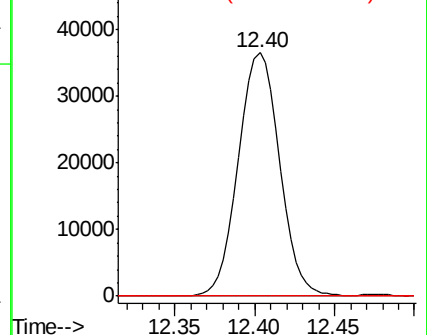
89 0.0 23.3 69.9#

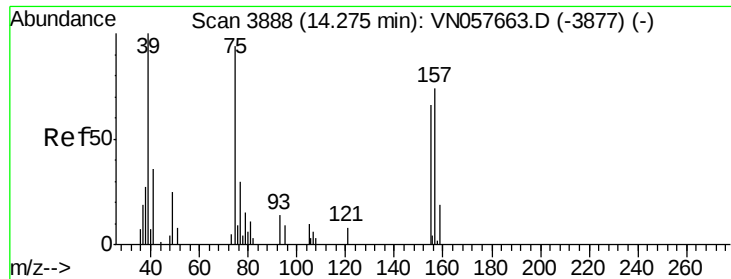


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

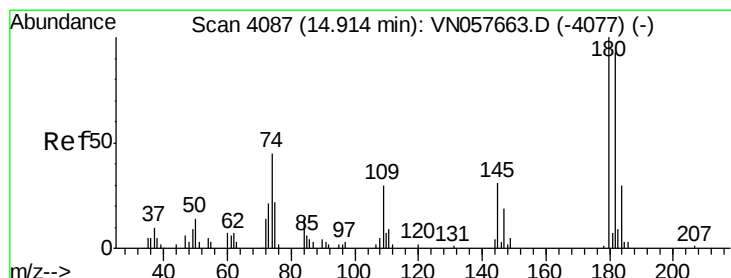
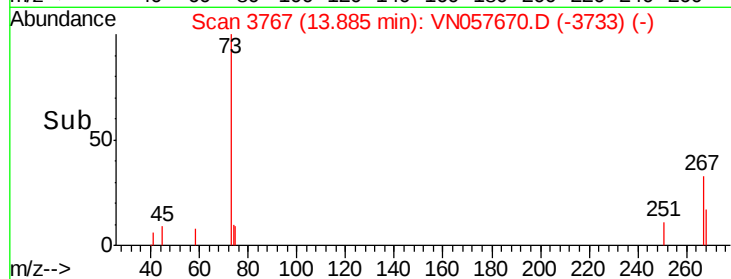
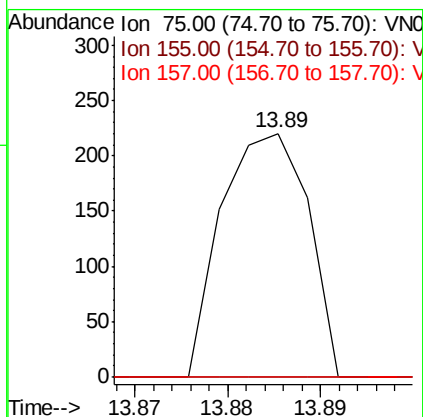
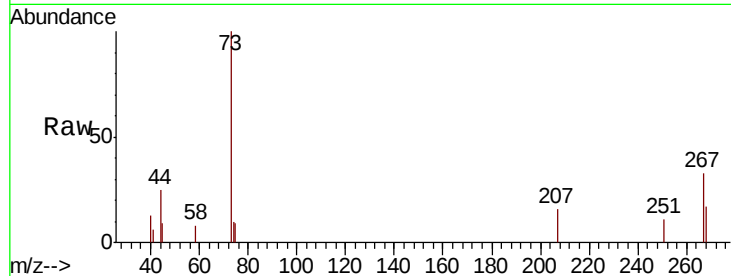




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.221 ug/l
 RT: 13.89 min Scan# 3767
 Delta R.T. -0.39 min
 Lab File: VN057670.D
 Acq: 3 Sep 2019 18:35

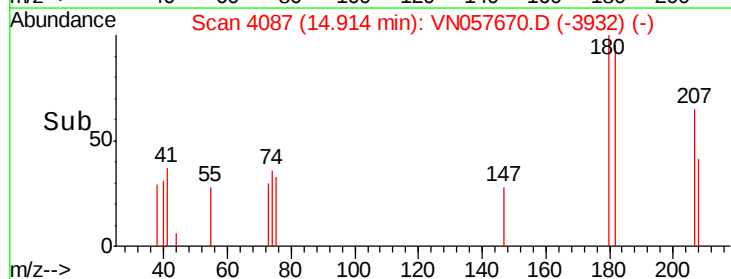
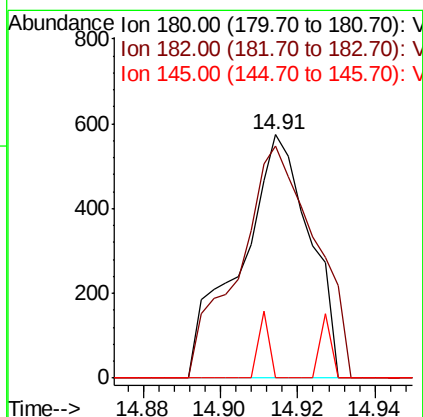
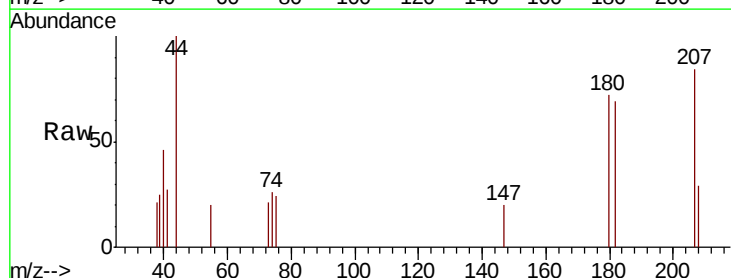
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

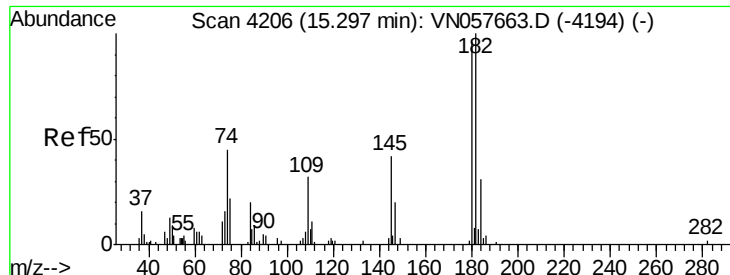
Tgt Ion: 75 Resp: 143
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.6 82.0#
 157 0.0 65.5 98.3#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.420 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057670.D
 Acq: 3 Sep 2019 18:35

Tgt Ion: 180 Resp: 716
 Ion Ratio Lower Upper
 180 100
 182 104.9 77.4 116.2
 145 0.0 25.1 37.7#

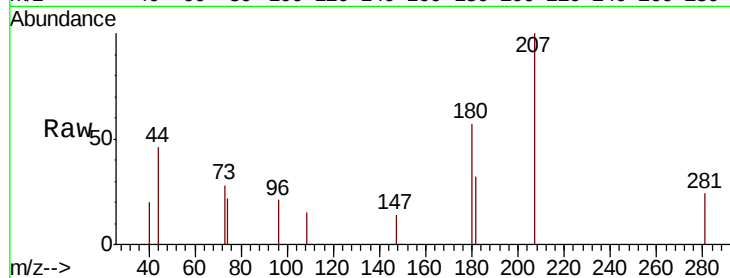




#92
 1,2,3-Trichlorobenzene
 Concen: 0.418 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN057670.D
 Acq: 3 Sep 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190830

Tgt Ion	Ratio	Lower	Upper
180	100		
182	65.0	0.0	199.4
145	14.2	0.0	73.2



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

