

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058007.D
 Acq On : 13 Sep 2019 10:56
 Operator : JC/SP
 Sample : K4823-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Sep 14 01:15:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	68379	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	408427	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	343158	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	192133	31.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.90%
60) 4-Bromofluorobenzene	12.40	95	158059	26.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.73%
63) Toluene-d8	10.09	98	501470	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

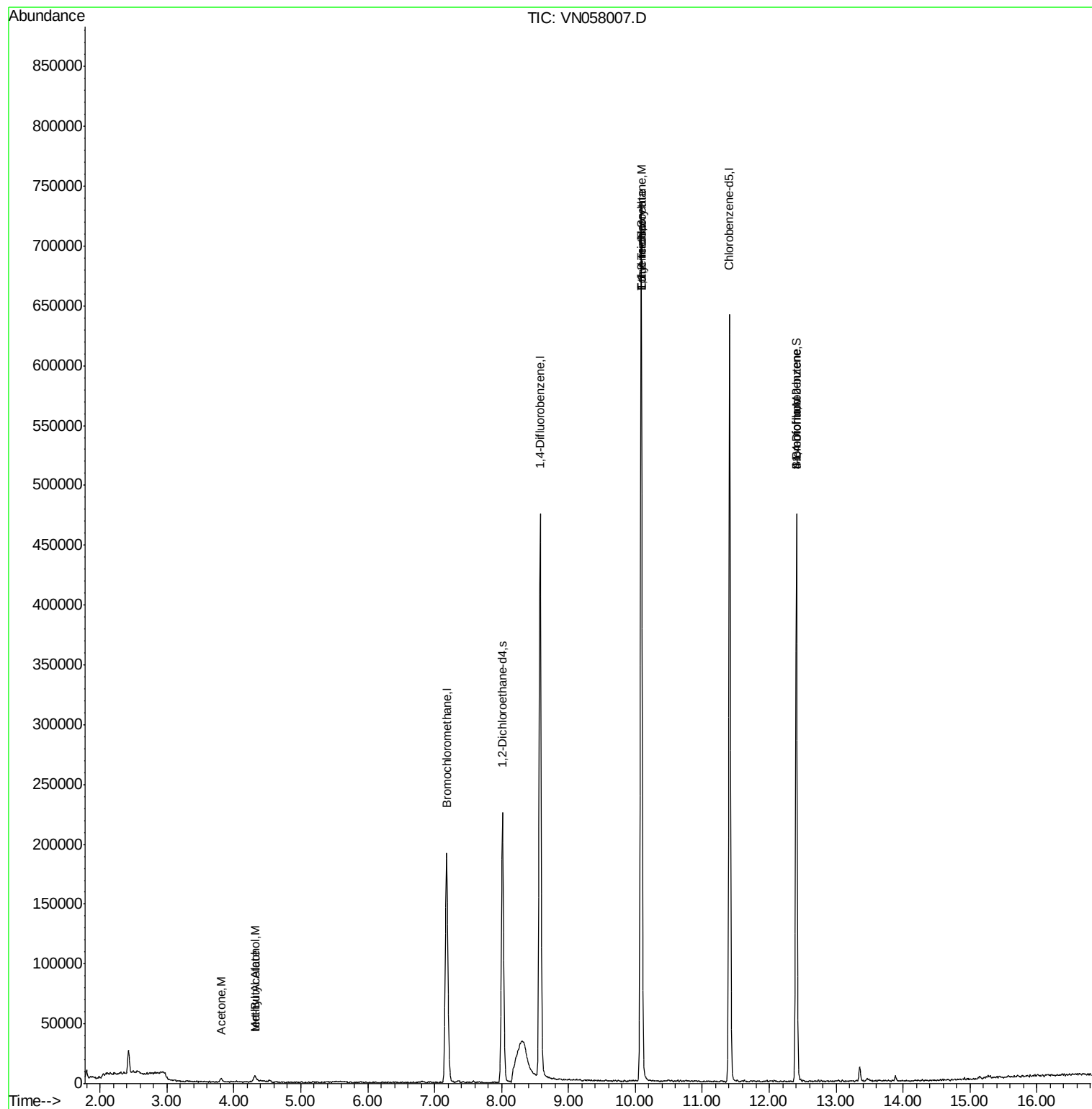
					Qvalue	
12) Methyl Acetate	4.30	43	3003	0.605	ug/l #	85
15) Acetone	3.79	58	435	0.757	ug/l #	34
23) tert-Butyl Alcohol	4.33	59	265	0.401	ug/l #	100
50) 1,1,2-Trichloroethane	10.09	97	15804	3.351	ug/l #	1
51) Ethyl methacrylate	10.09	69	1793	0.245	ug/l	100
56) Bromoform	12.41	173	830	0.288	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.41	75	84891	50.321	ug/l #	1

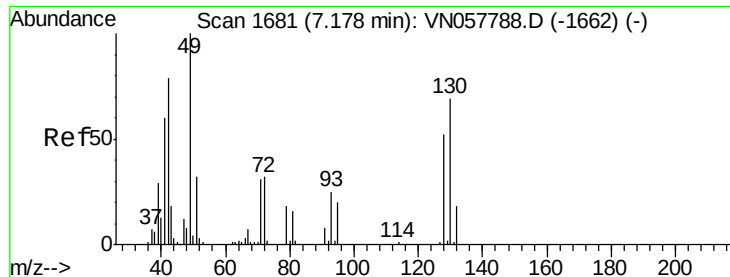
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampled :
TRIP-BLANK

Quant Time: Sep 14 01:15:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058007.D

Acq: 13 Sep 2019 10:56

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

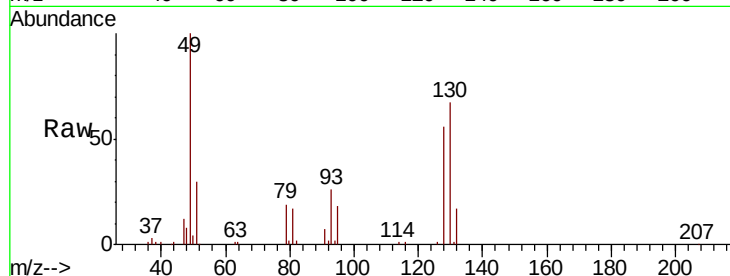
Tgt Ion:128 Resp: 68379

Ion Ratio Lower Upper

128 100

49 191.0 0.0 486.5

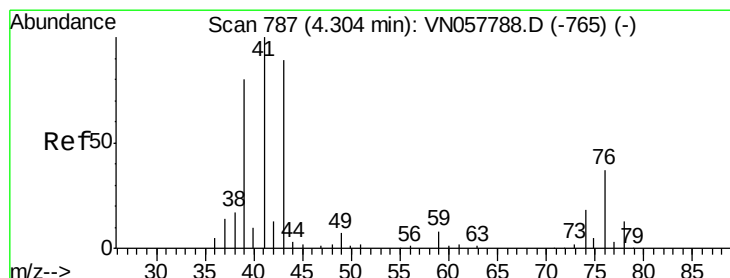
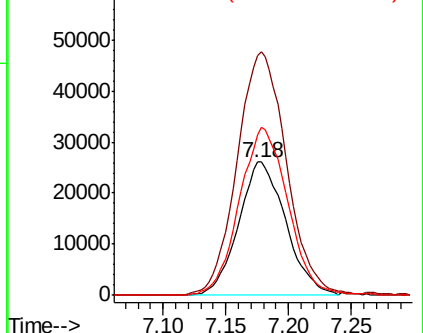
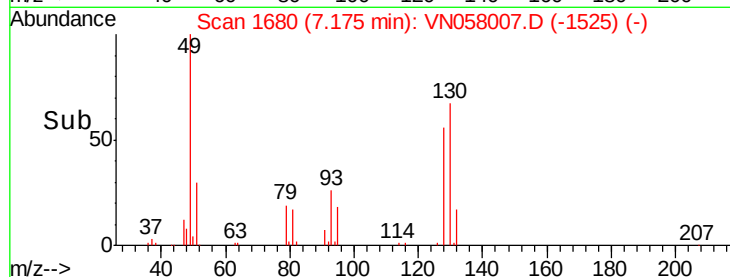
130 128.9 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): VN058007.D (-1525) (-)

Ion 49.00 (48.70 to 49.70): VN058007.D (-1525) (-)

Ion 130.00 (129.70 to 130.70): VN058007.D (-1525) (-)



#12

Methyl Acetate

Concen: 0.605 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058007.D

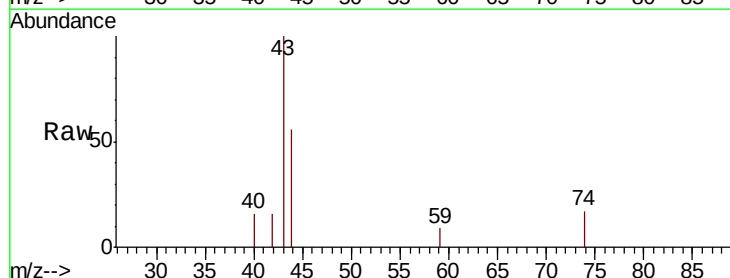
Acq: 13 Sep 2019 10:56

Tgt Ion: 43 Resp: 3003

Ion Ratio Lower Upper

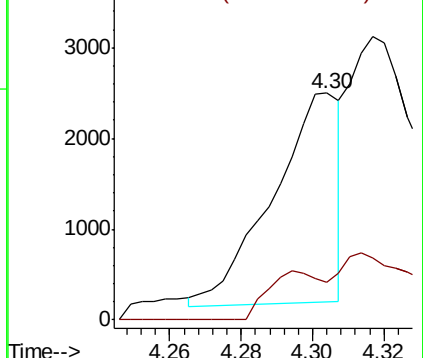
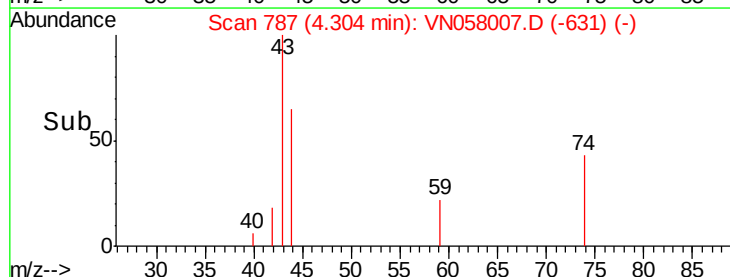
43 100

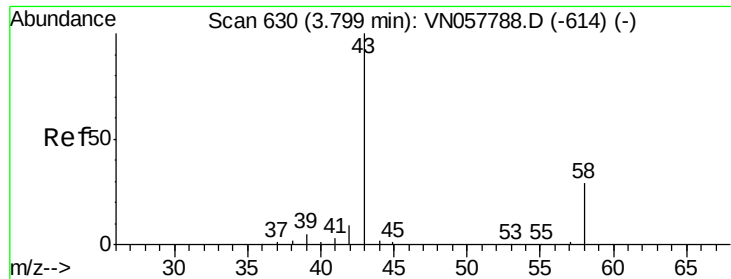
74 13.4 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VN058007.D (-631) (-)

Ion 74.00 (73.70 to 74.70): VN058007.D (-631) (-)





#15

Acetone

Concen: 0.757 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058007.D

Acq: 13 Sep 2019 10:56

Instrument :

MSVOA_N

ClientSampled :

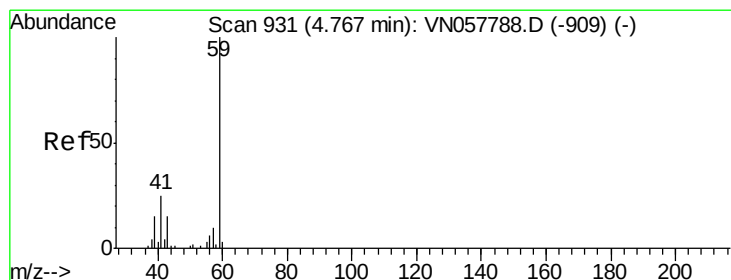
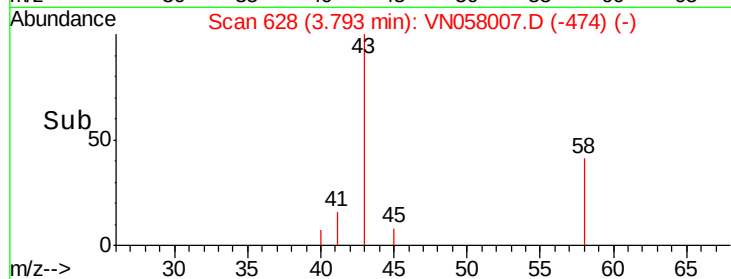
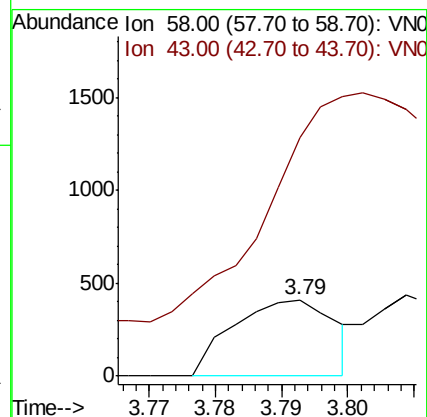
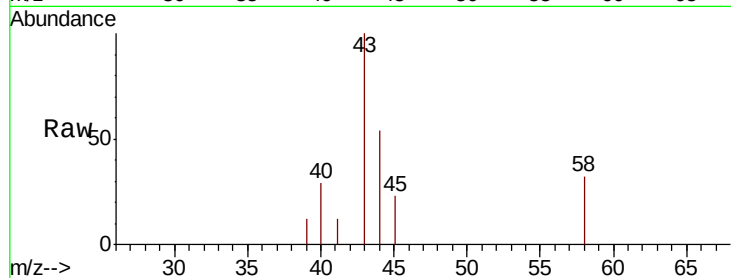
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Tgt Ion: 58 Resp: 435

Ion Ratio Lower Upper

58 100

43 204.9 277.7 416.5#



#23

tert-Butyl Alcohol

Concen: 0.401 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.44 min

Lab File: VN058007.D

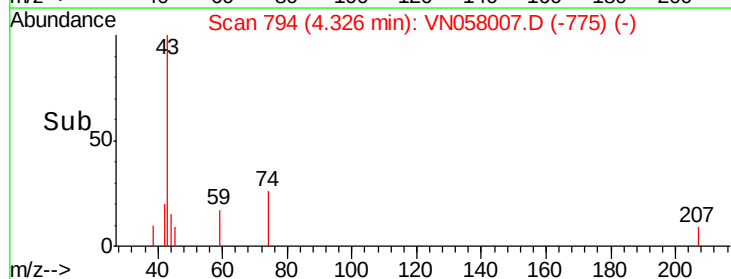
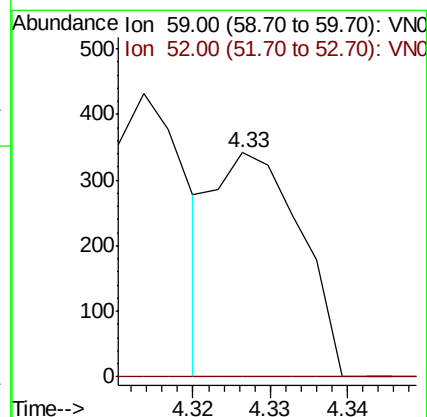
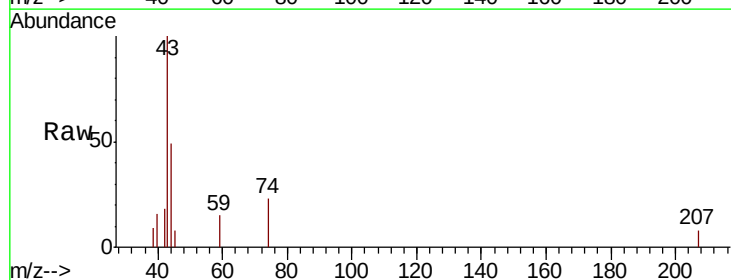
Acq: 13 Sep 2019 10:56

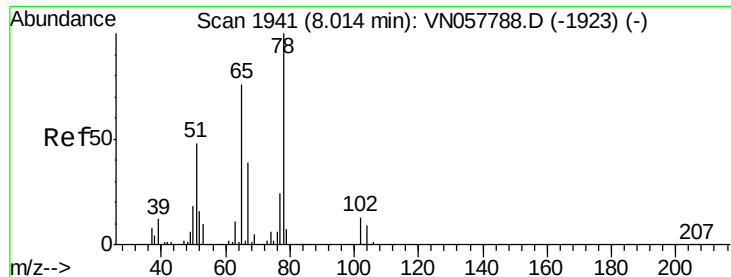
Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

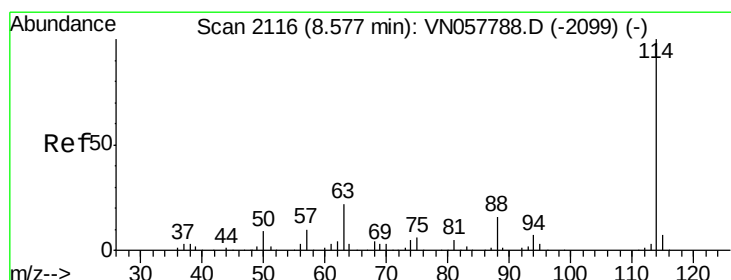
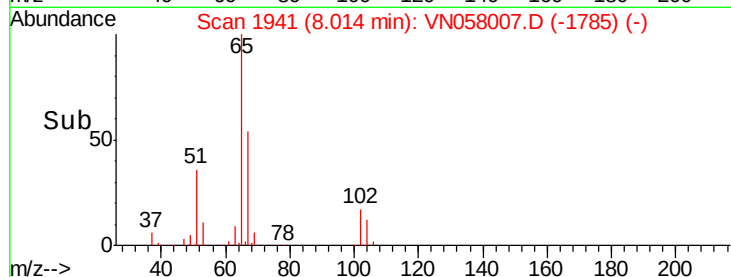
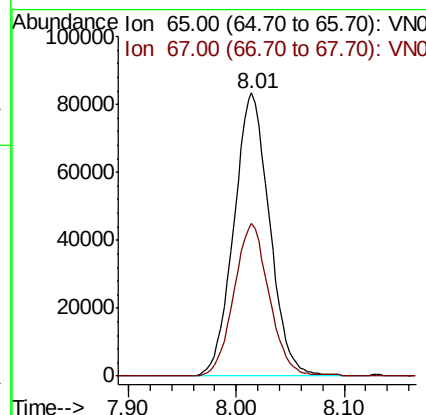
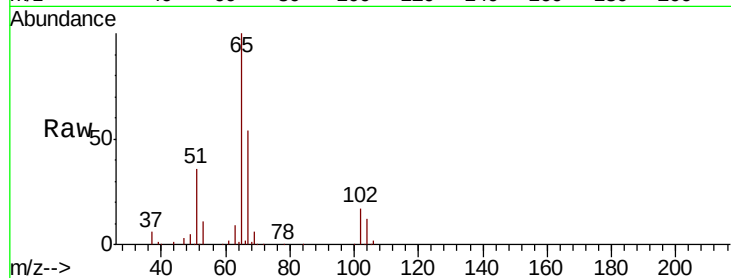




#27
 1,2-Dichloroethane-d4
 Concen: 31.766 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058007.D
 Acq: 13 Sep 2019 10:56

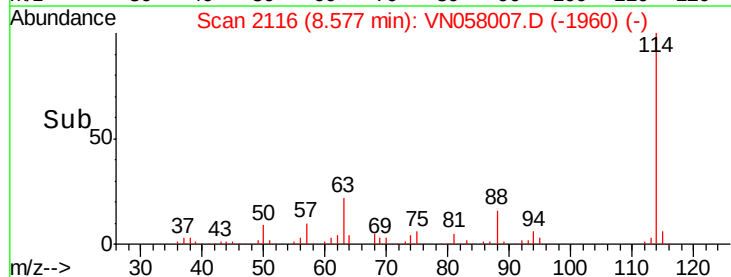
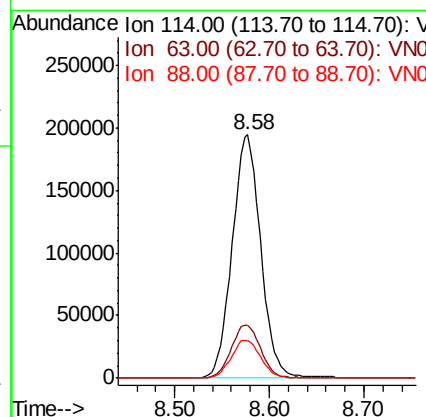
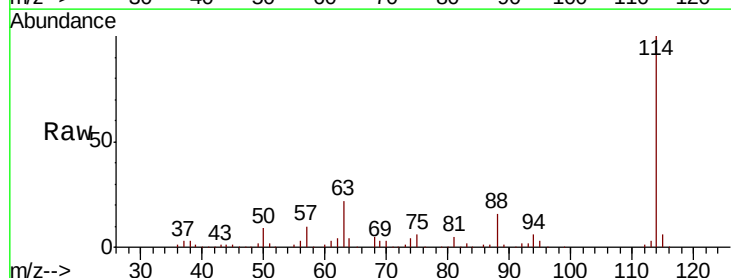
Instrument :
 MSVOA_N
 ClientSampleId :
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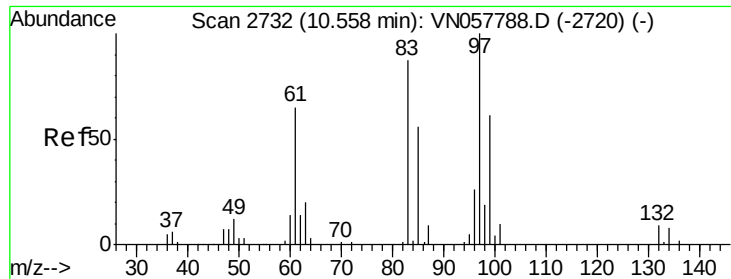
Tgt Ion: 65 Resp: 192133
 Ion Ratio Lower Upper
 65 100
 67 53.3 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058007.D
 Acq: 13 Sep 2019 10:56

Tgt Ion: 114 Resp: 408427
 Ion Ratio Lower Upper
 114 100
 63 22.3 18.0 27.0
 88 16.2 12.6 19.0

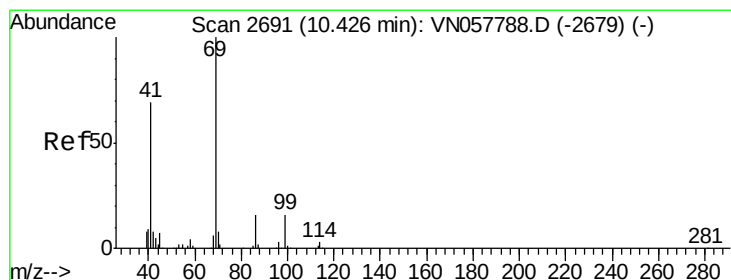
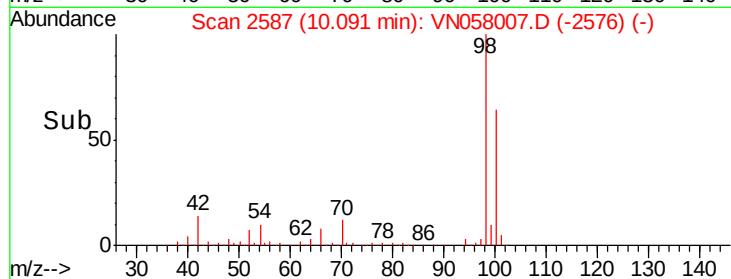
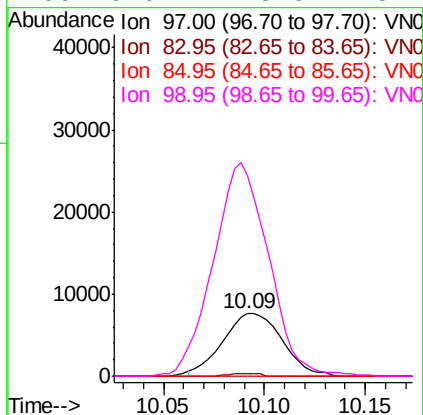
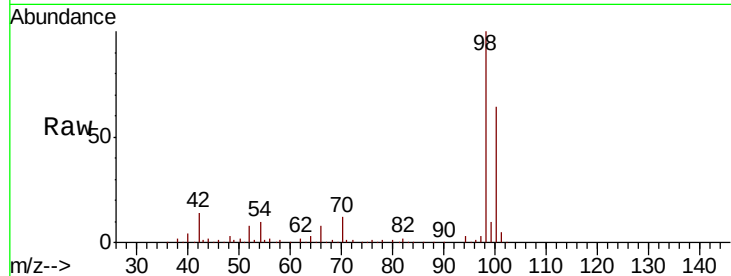




#50
 1,1,2-Trichloroethane
 Concen: 3.351 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.47 min
 Lab File: VN058007.D
 Acq: 13 Sep 2019 10:56

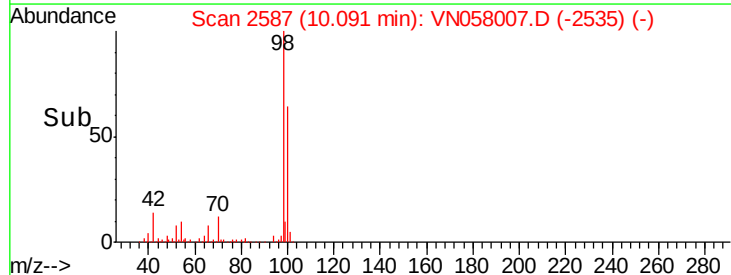
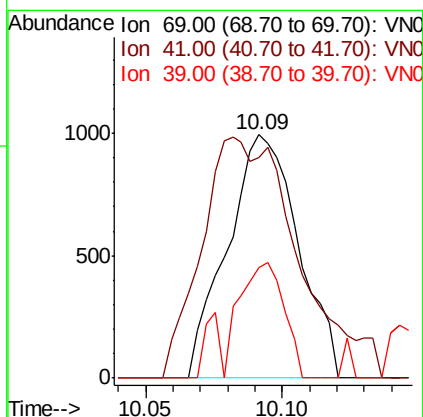
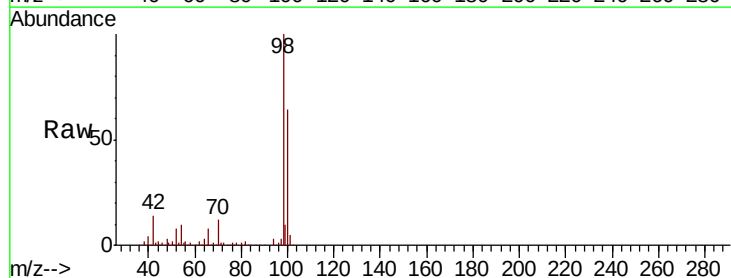
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

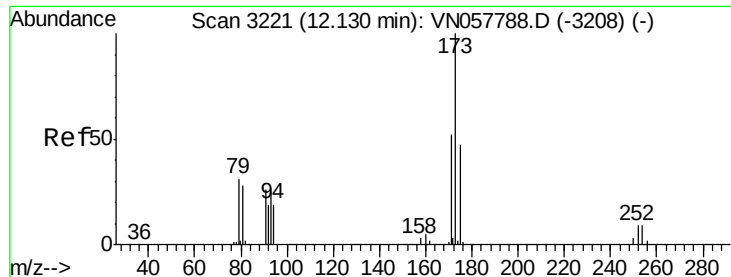
Tgt Ion: 97 Resp: 15804
 Ion Ratio Lower Upper
 97 100
 83 4.5 69.4 104.2#
 85 0.0 45.0 67.6#
 99 316.1 48.8 73.2#



#51
 Ethyl methacrylate
 Concen: 0.245 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.33 min
 Lab File: VN058007.D
 Acq: 13 Sep 2019 10:56

Tgt Ion: 69 Resp: 1793
 Ion Ratio Lower Upper
 69 100
 41 68.8 34.5 103.5
 39 45.3 22.4 67.3

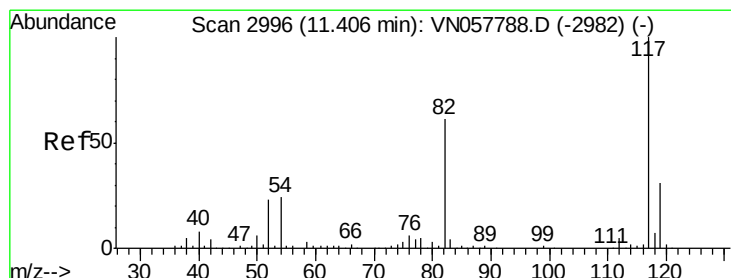
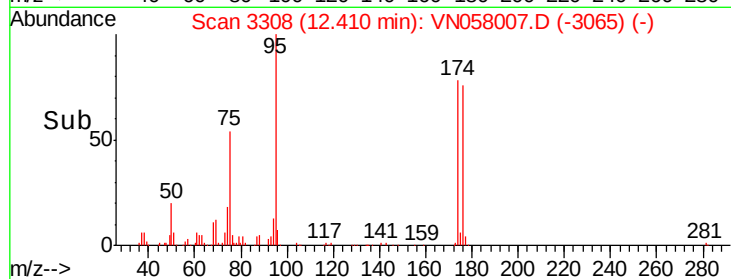
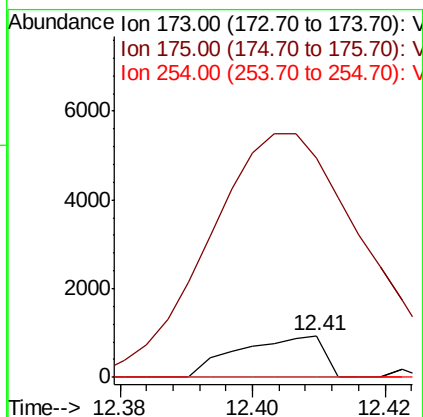
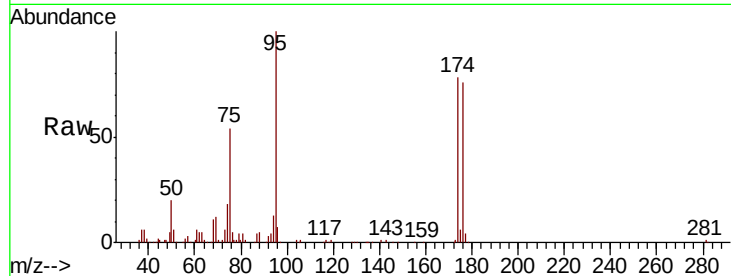




#56
Bromoform
Concen: 0.288 ug/l
RT: 12.41 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN058007.D
Acq: 13 Sep 2019 10:56

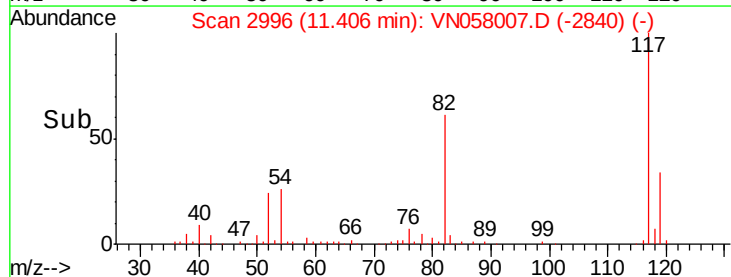
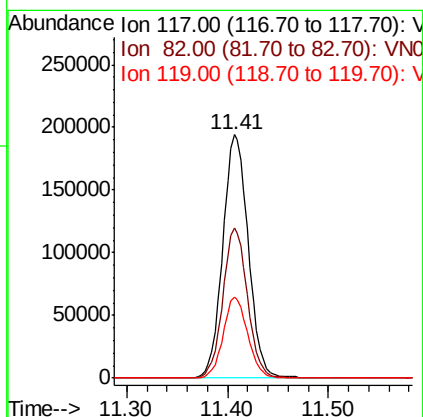
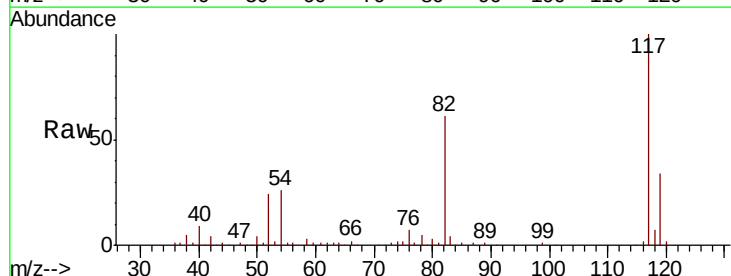
Instrument :
MSVOA_N
ClientSampleId :
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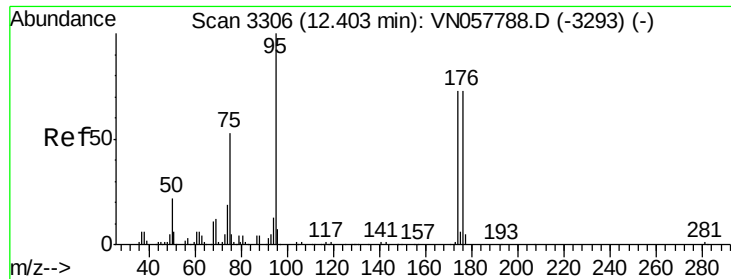
Tgt Ion:173 Resp: 830
Ion Ratio Lower Upper
173 100
175 1076.7 38.4 57.6#
254 0.0 6.9 10.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058007.D
Acq: 13 Sep 2019 10:56

Tgt Ion:117 Resp: 343158
Ion Ratio Lower Upper
117 100
82 59.5 47.6 71.4
119 32.1 25.4 38.2





#60

4-Bromofluorobenzene

Concen: 26.917 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058007.D

Acq: 13 Sep 2019 10:56

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

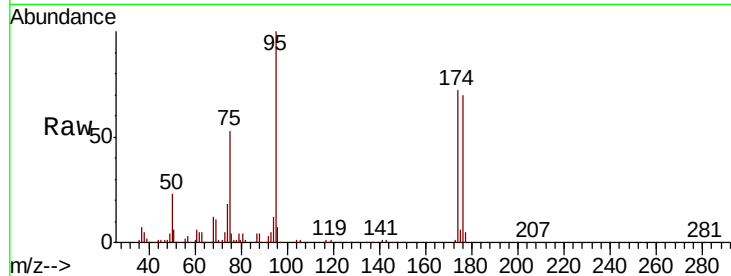
Tgt Ion: 95 Resp: 158059

Ion Ratio Lower Upper

95 100

174 74.8 59.4 89.0

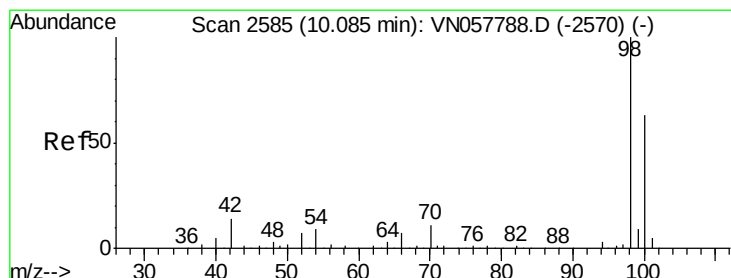
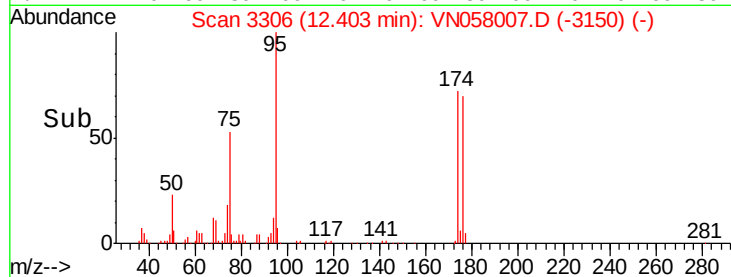
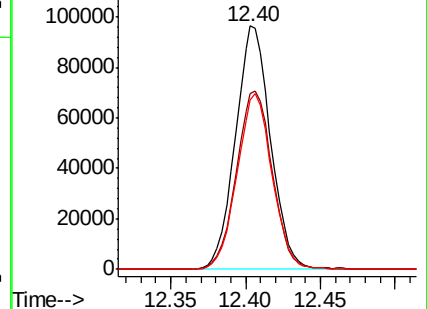
176 71.8 57.4 86.0



Abundance Ion 95.00 (94.70 to 95.70): VN057788.D (-3293) (-)

Ion 174.00 (173.70 to 174.70): VN057788.D (-3293) (-)

Ion 176.00 (175.70 to 176.70): VN057788.D (-3293) (-)



#63

Toluene-d8

Concen: 30.446 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058007.D

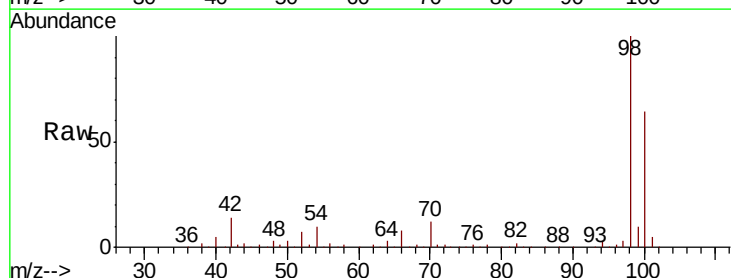
Acq: 13 Sep 2019 10:56

Tgt Ion: 98 Resp: 501470

Ion Ratio Lower Upper

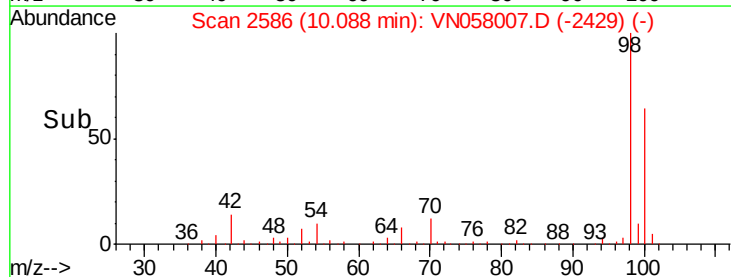
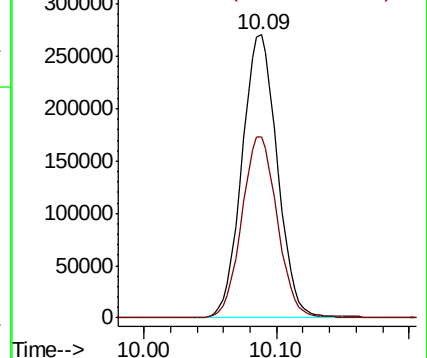
98 100

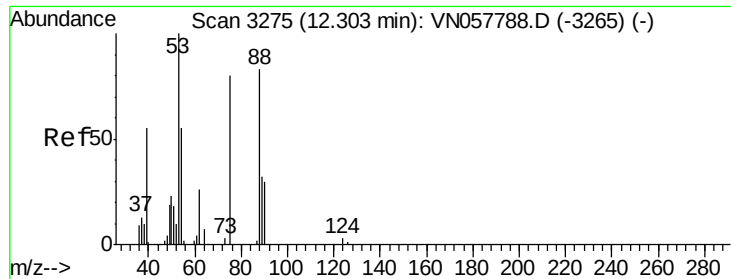
100 64.3 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057788.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-2570) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 50.321 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058007.D
Acq: 13 Sep 2019 10:56

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 84891
Ion Ratio Lower Upper
75 100
53 0.0 62.7 188.2#
89 0.0 22.8 68.3#

