

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056416.D
 Acq On : 21 Jun 2019 11:22
 Operator : JC/SP
 Sample : K3465-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390619769-TRIP-BLANK

Quant Time: Jun 22 01:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	58487	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	306800	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	240541	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	120696	33.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.77%
60) 4-Bromofluorobenzene	12.40	95	78020	21.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.93%
63) Toluene-d8	10.09	98	358028	32.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.37%

Target Compounds

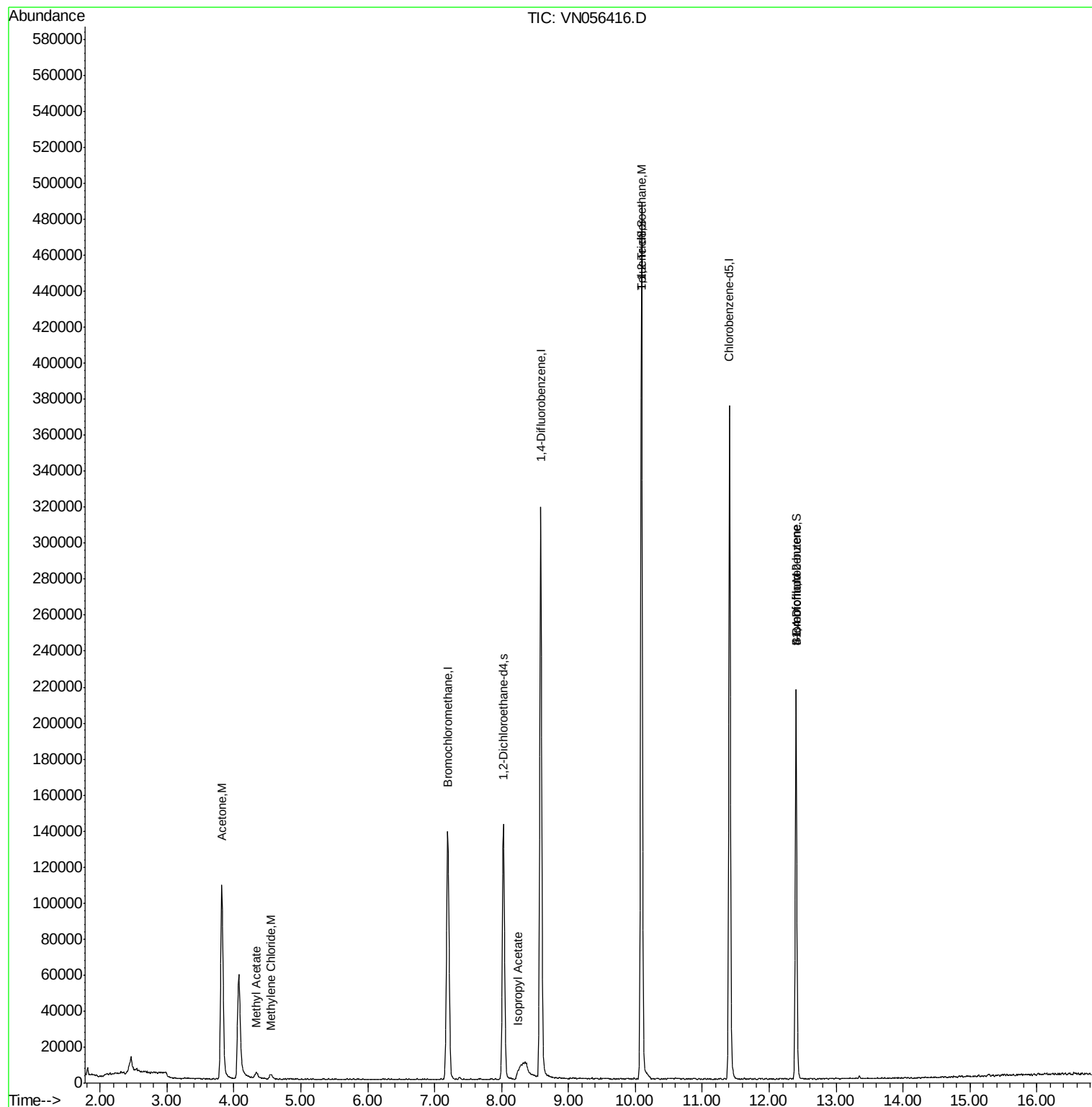
					Ovalue	
12) Methyl Acetate	4.33	43	3236	0.882	ug/l #	81
15) Acetone	3.82	58	59732	111.503	ug/l	91
18) Methylene Chloride	4.56	84	2152	0.609	ug/l #	88
44) Isopropyl Acetate	8.24	43	2444	0.376	ug/l #	1
50) 1,1,2-Trichloroethane	10.10	97	11376	3.411	ug/l #	1
56) Bromoform	12.41	173	560	0.237	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	36538	36.232	ug/l #	11

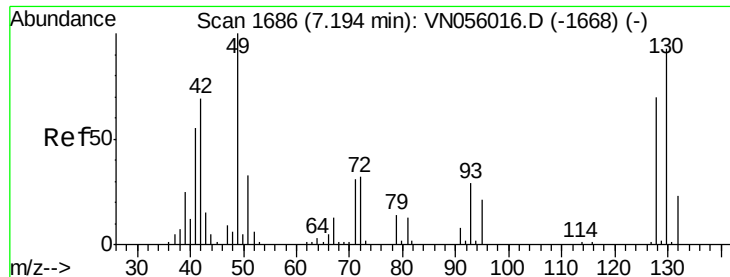
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
390619769-TRIP-BLANK

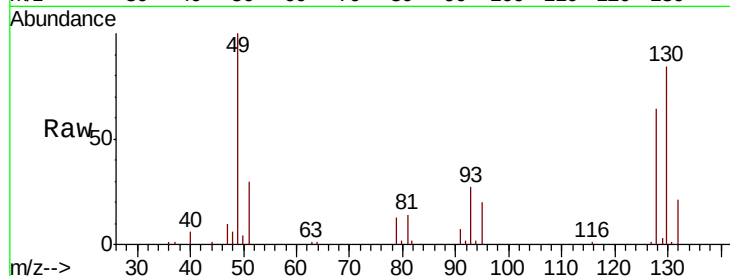
Tot Ion:128 Resp: 58487

Ion Ratio Lower Upper

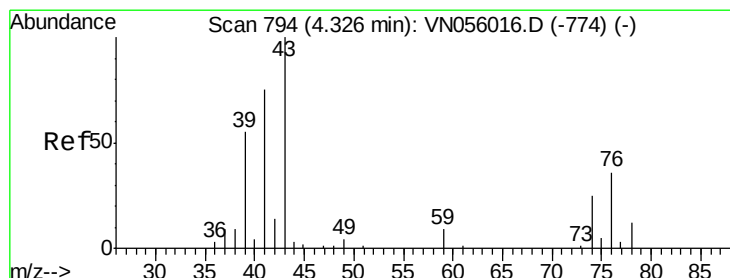
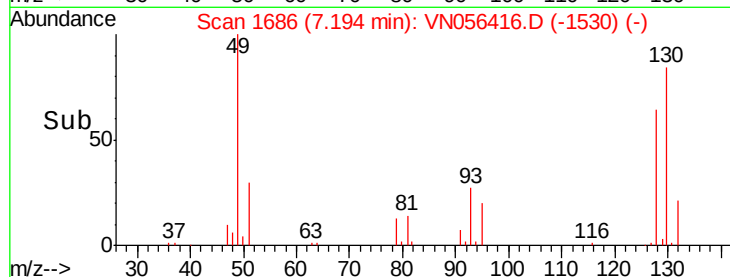
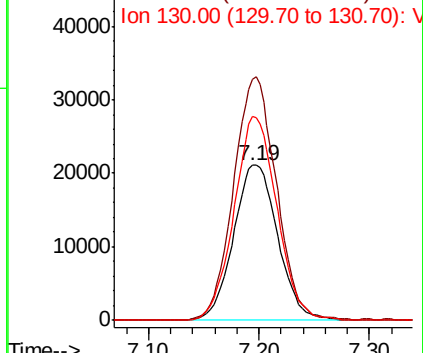
128 100

49 151.4 0.0 355.8

130 127.8 0.0 326.3



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



#12

Methyl Acetate

Concen: 0.882 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN056416.D

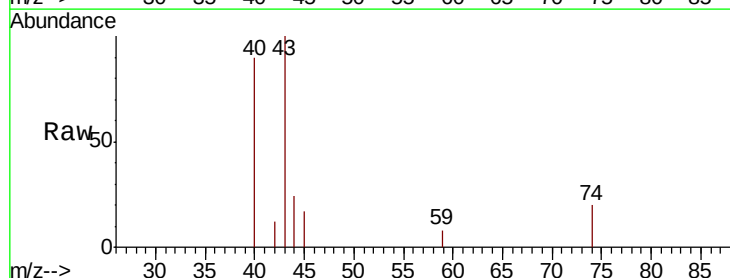
Acq: 21 Jun 2019 11:22

Tgt Ion: 43 Resp: 3236

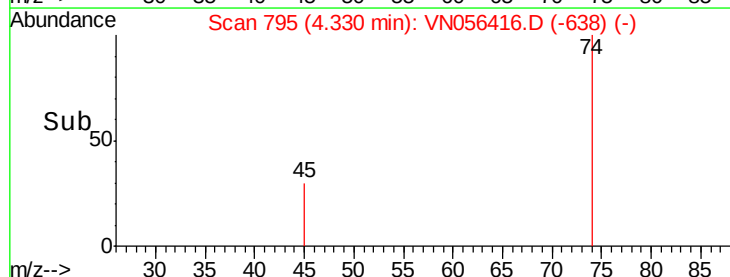
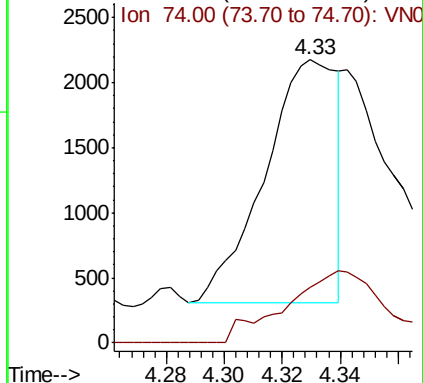
Ion Ratio Lower Upper

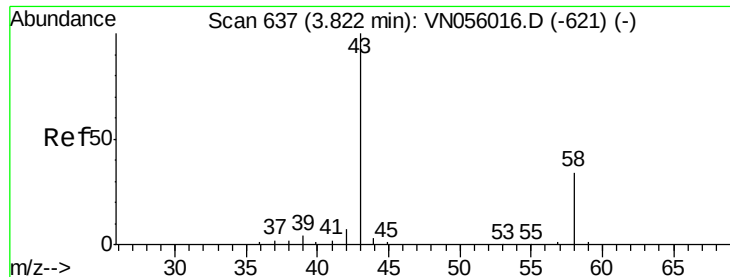
43 100

74 15.5 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN





#15

Acetone

Concen: 111.503 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

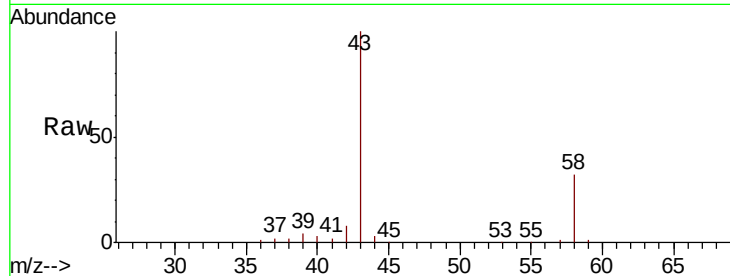
390619769-TRIP-BLANK

Tot Ion: 58 Resp: 59732

Ion Ratio Lower Upper

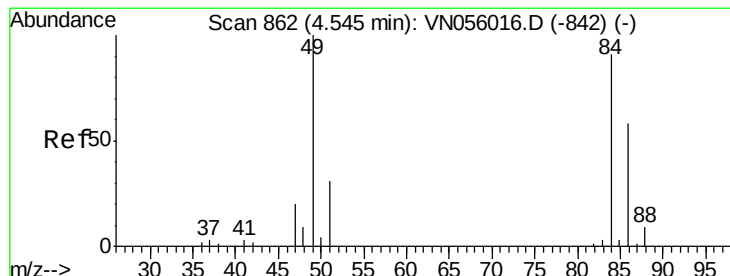
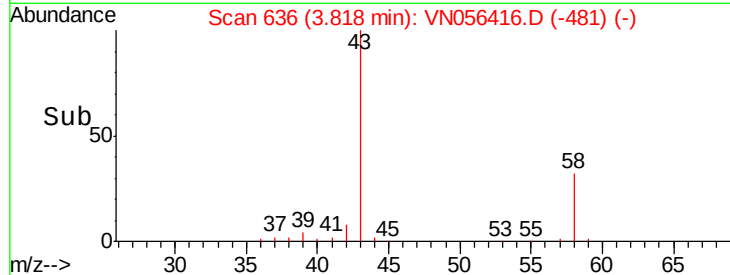
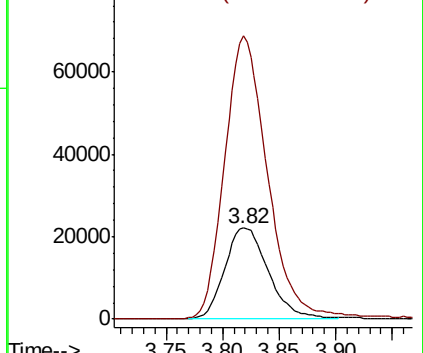
58 100

43 308.8 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN056416.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VN056416.D (-621) (-)



#18

Methylene Chloride

Concen: 0.609 ug/l

RT: 4.56 min Scan# 867

Delta R.T. 0.02 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Tgt Ion: 84 Resp: 2152

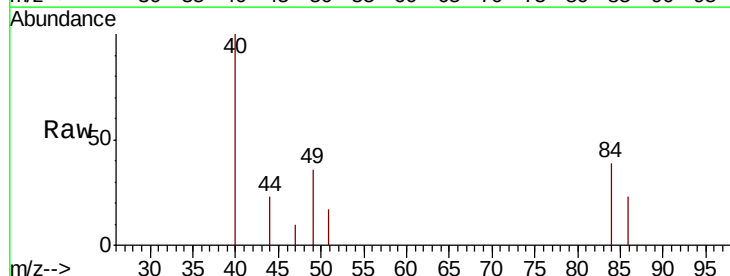
Ion Ratio Lower Upper

84 100

49 94.5 87.6 131.4

51 43.2 27.0 40.4

86 58.5 51.2 76.8

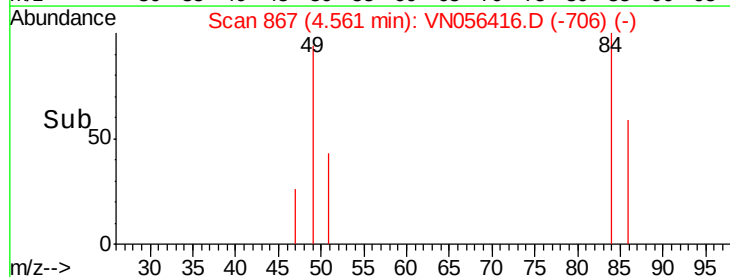
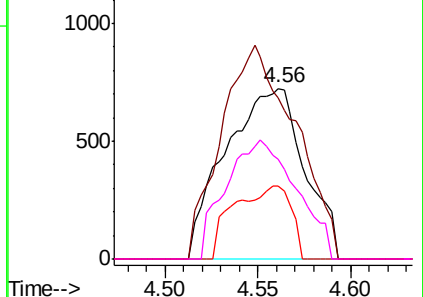


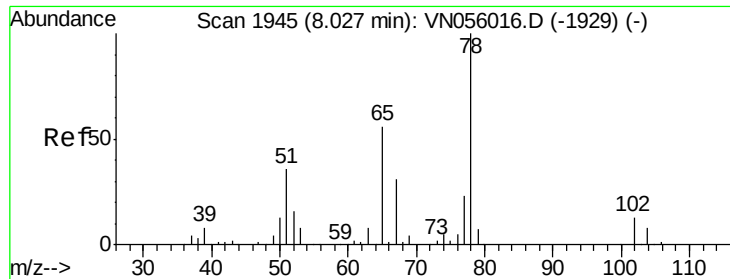
Abundance Ion 84.00 (83.70 to 84.70): VN056416.D (-842) (-)

Ion 49.00 (48.70 to 49.70): VN056416.D (-842) (-)

Ion 51.00 (50.70 to 51.70): VN056416.D (-842) (-)

Ion 86.00 (85.70 to 86.70): VN056416.D (-842) (-)





#27

1,2-Dichloroethane-d4

Concen: 33.231 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

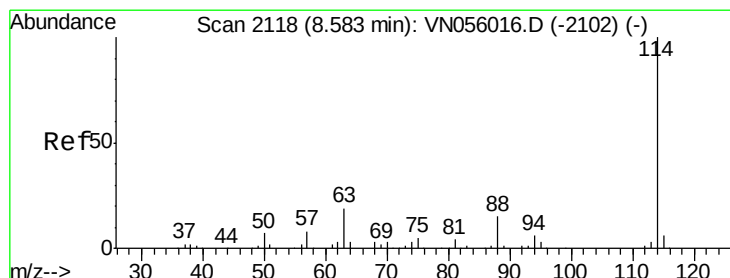
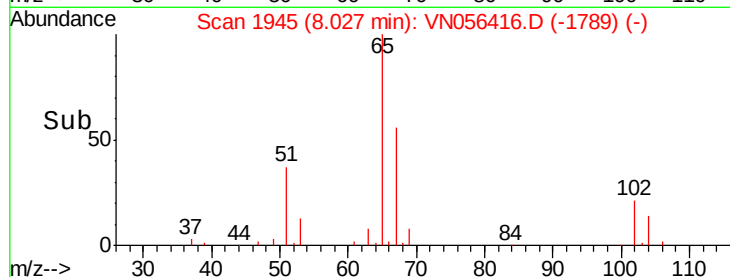
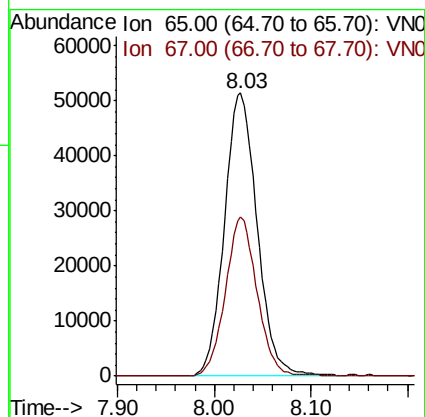
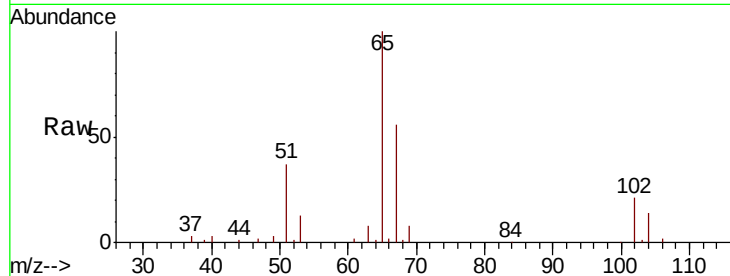
390619769-TRIP-BLANK

Tot Ion: 65 Resp: 120696

Ion Ratio Lower Upper

65 100

67 54.0 43.4 65.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

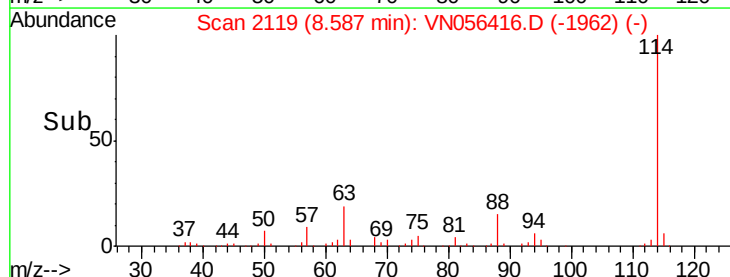
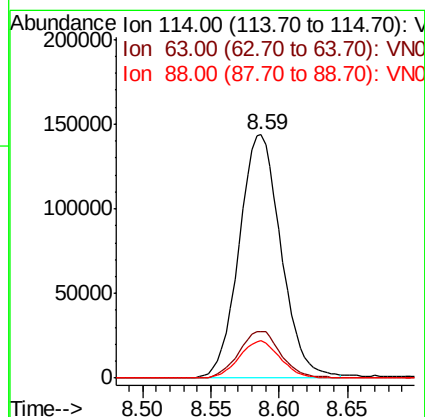
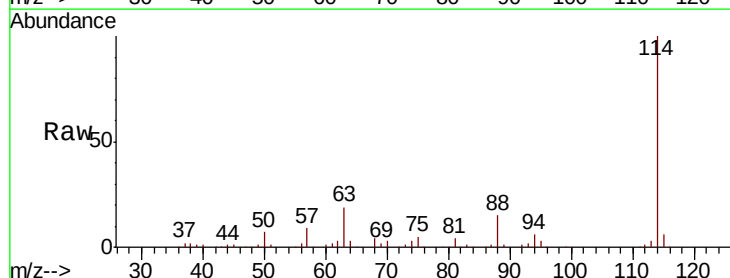
Tgt Ion: 114 Resp: 306800

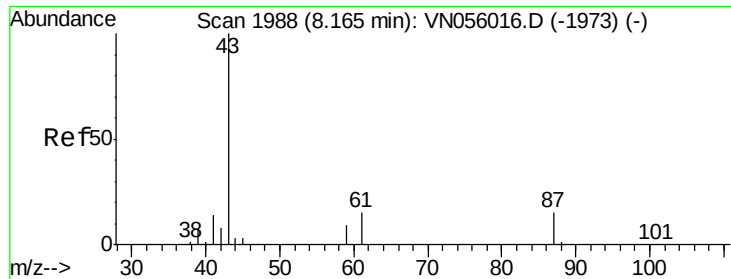
Ion Ratio Lower Upper

114 100

63 19.4 14.7 22.1

88 15.1 11.9 17.9





#44

Isopropyl Acetate

Concen: 0.376 ug/l

RT: 8.24 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

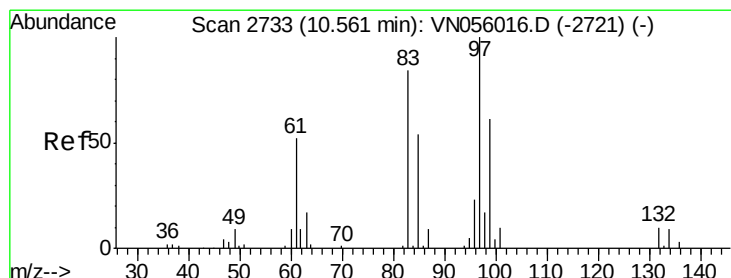
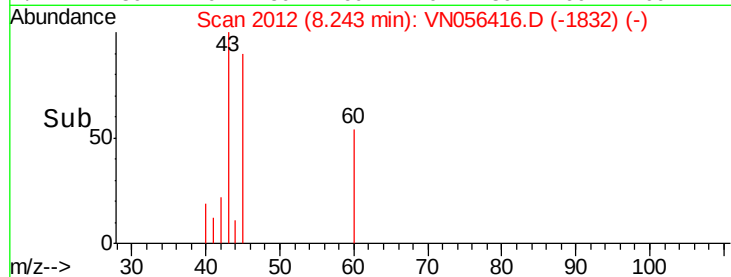
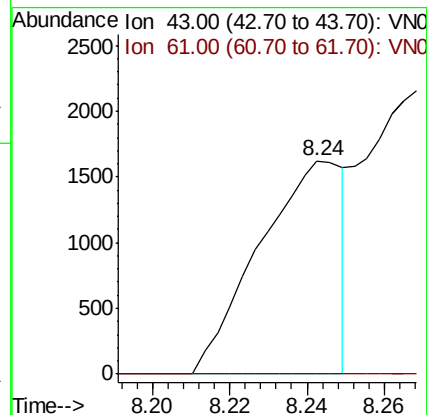
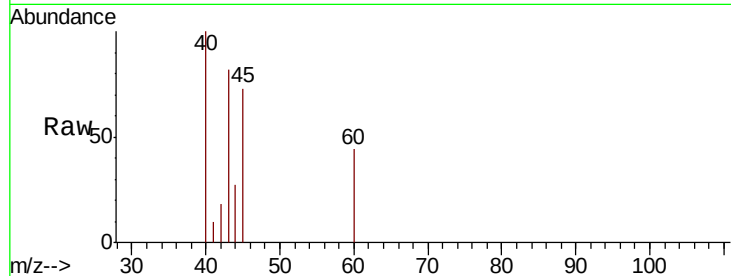
390619769-TRIP-BLANK

Tot Ion: 43 Resp: 2444

Ion Ratio Lower Upper

43 100

61 79.9 16.9 25.3#



#50

1,1,2-Trichloroethane

Concen: 3.411 ug/l

RT: 10.10 min Scan# 2590

Delta R.T. -0.46 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Tgt Ion: 97 Resp: 11376

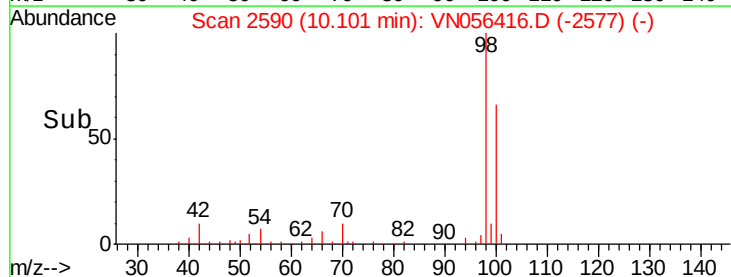
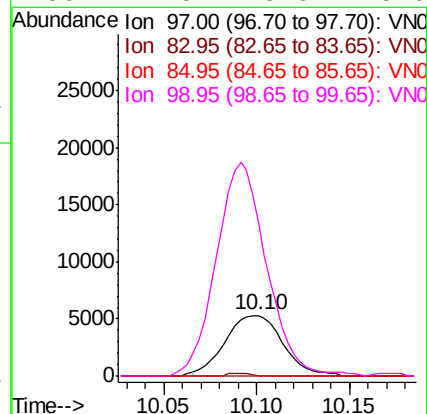
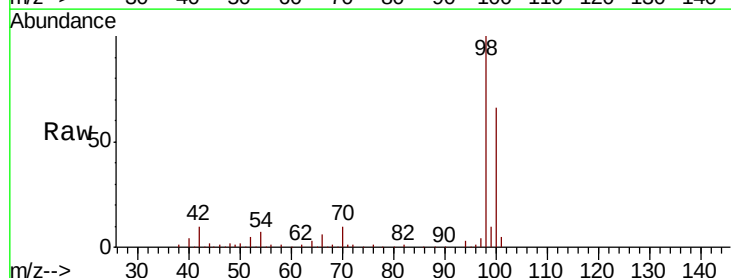
Ion Ratio Lower Upper

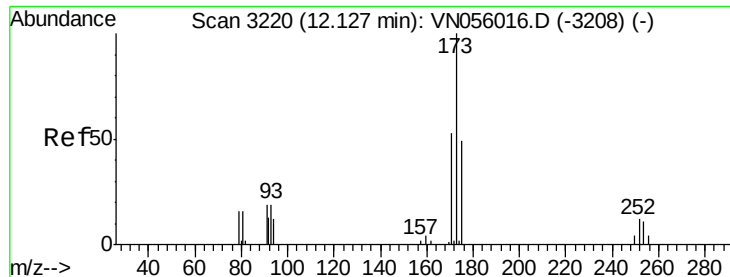
97 100

83 0.0 66.9 100.3#

85 0.0 43.3 64.9#

99 242.8 48.6 73.0#





#56

Bromoform

Concen: 0.237 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

390619769-TRIP-BLANK

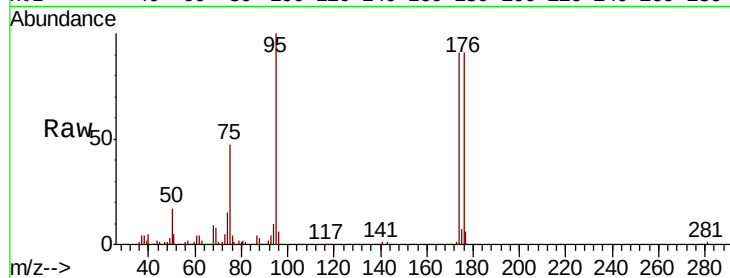
Tot Ion:173 Resp: 560

Ion Ratio Lower Upper

173 100

175 924.3 38.7 58.1#

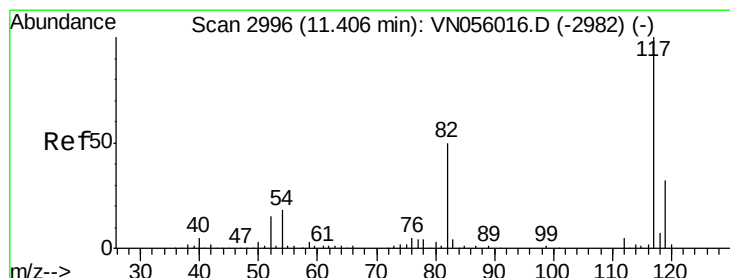
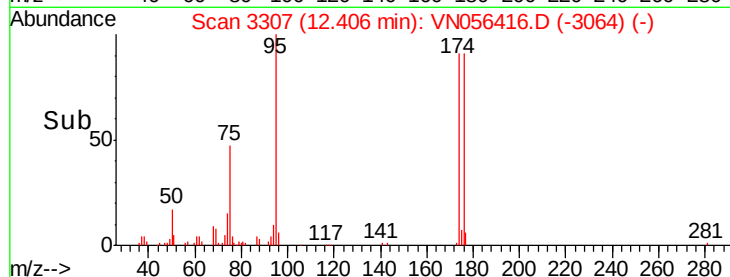
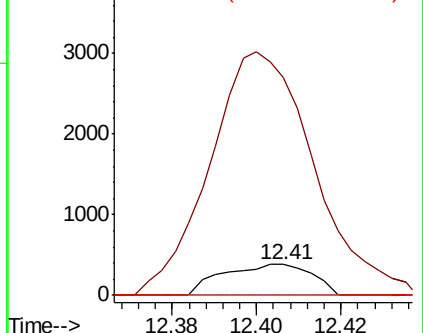
254 0.0 6.6 9.8#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

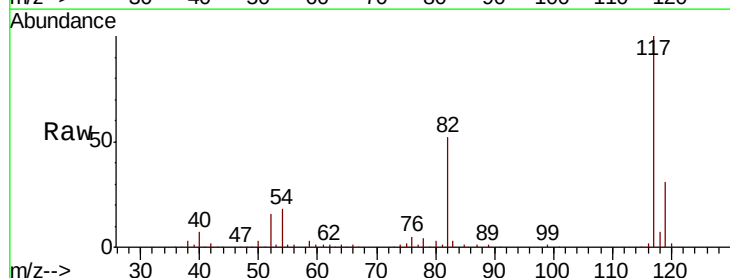
Tgt Ion:117 Resp: 240541

Ion Ratio Lower Upper

117 100

82 52.8 41.2 61.8

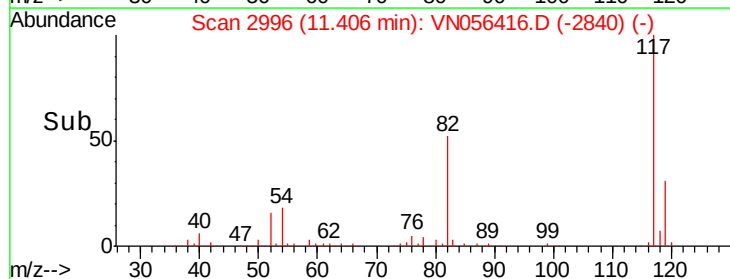
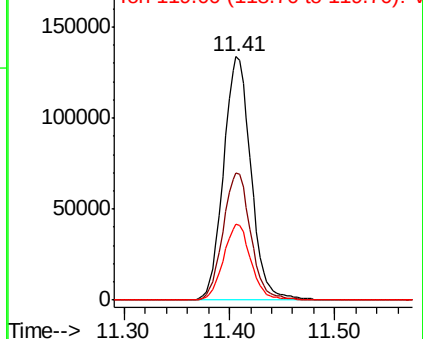
119 31.1 26.2 39.2

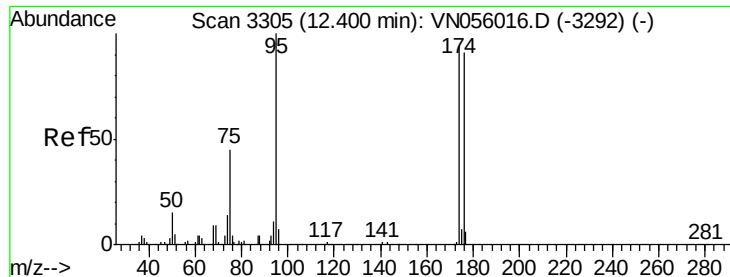


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 21.883 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056416.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

390619769-TRIP-BLANK

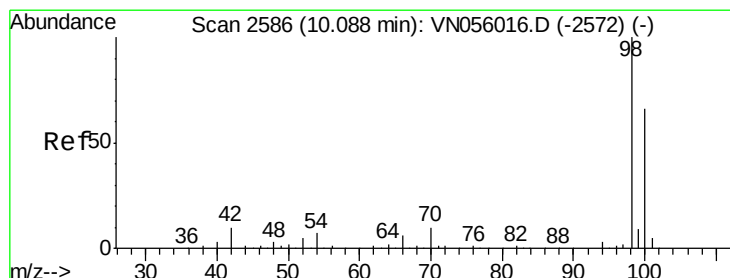
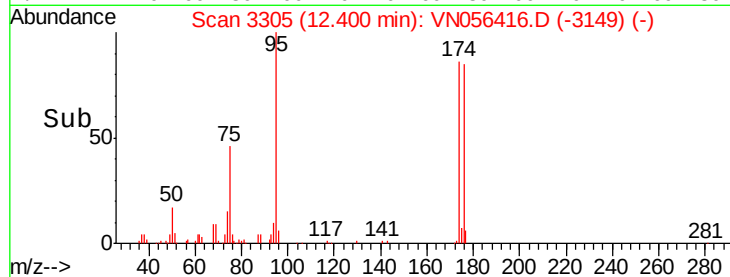
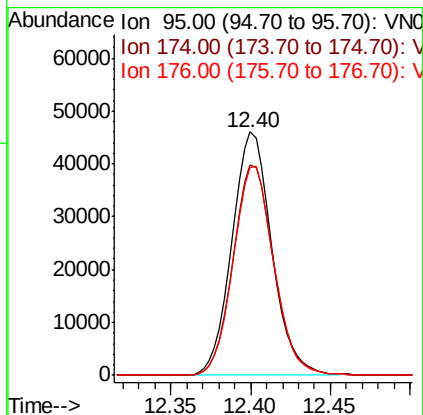
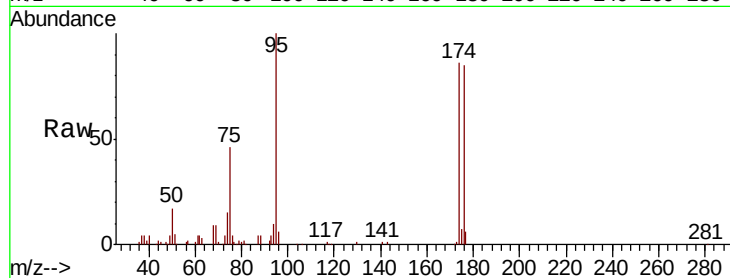
Tot Ion: 95 Resp: 78020

Ion Ratio Lower Upper

95 100

174 88.4 75.4 113.0

176 87.4 73.9 110.9



#63

Toluene-d8

Concen: 32.811 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056416.D

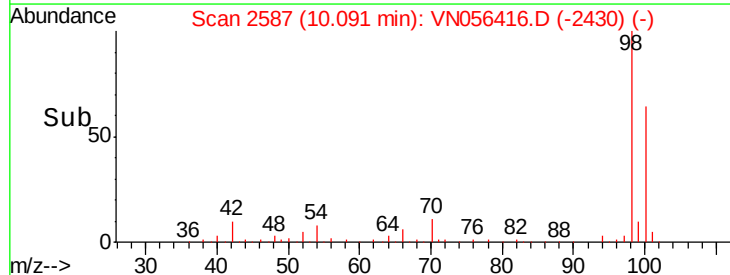
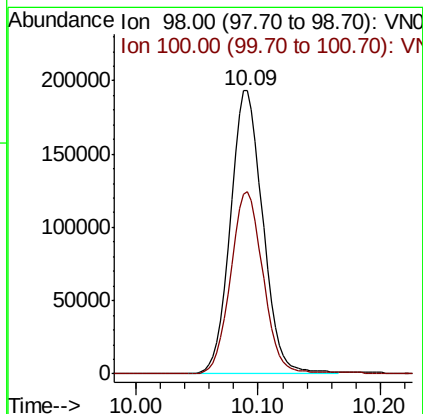
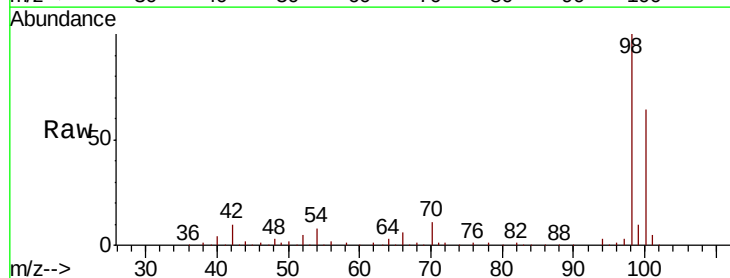
Acq: 21 Jun 2019 11:22

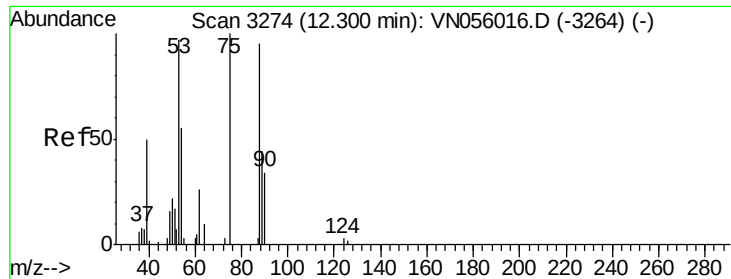
Tgt Ion: 98 Resp: 358028

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4





#77
t-1,4-Dichloro-2-butene
Concen: 36.232 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056416.D
Acq: 21 Jun 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
390619769-TRIP-BLANK

Tot Ion: 75 Resp: 36538
Ion Ratio Lower Upper
75 100
53 0.0 48.0 144.0#
89 0.0 22.5 67.5#

