

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080620\
 Data File : VN062774.D
 Acq On : 6 Aug 2020 18:20
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 07 03:11:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	132780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	237379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	111499	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	7.55	113	80151	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	10.06	98	308423	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.38	95	118583	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

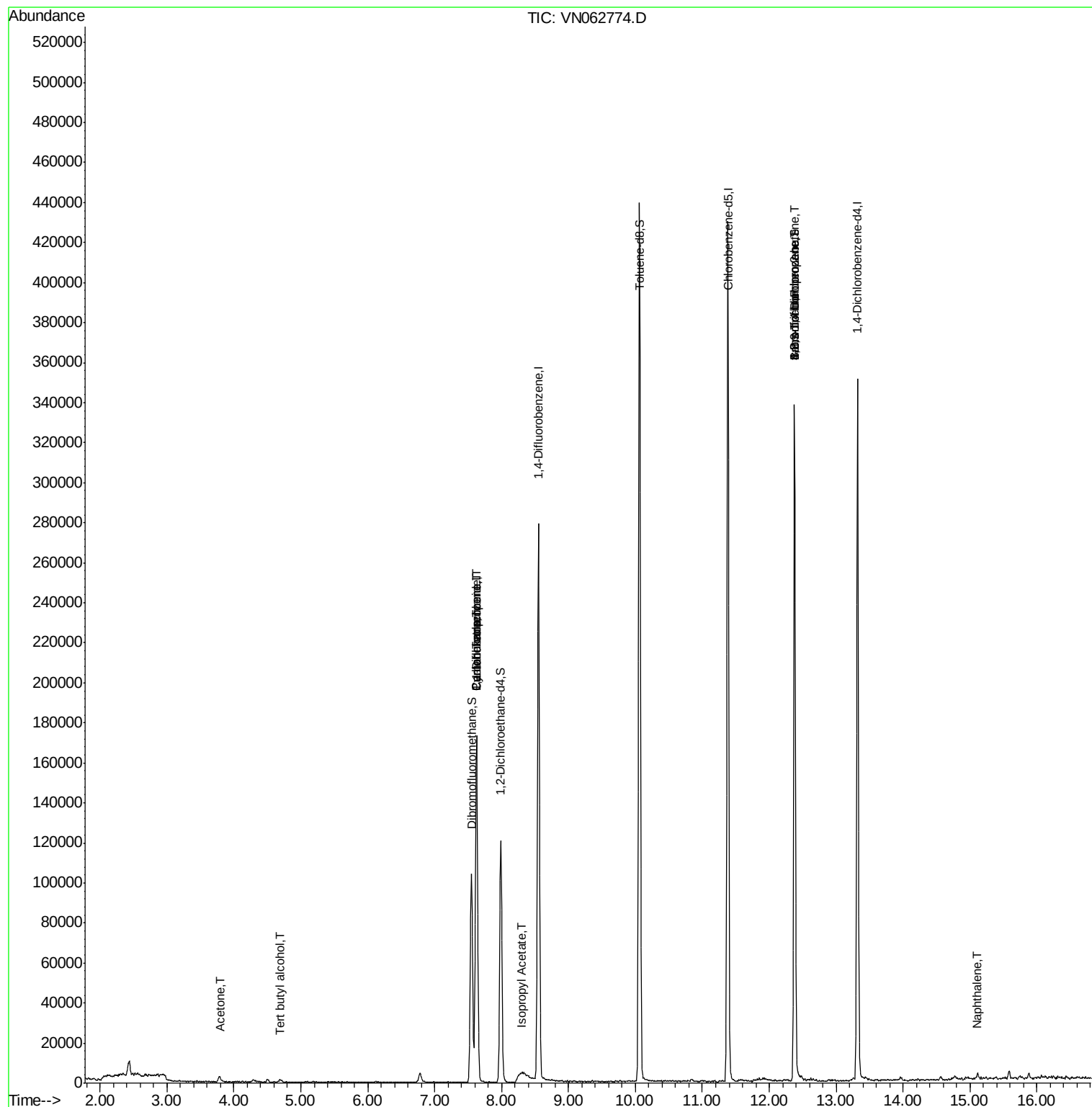
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	902	2.506	ug/l #	72
16) Acetone	3.79	43	5216	6.574	ug/l #	80
17) Carbon Disulfide	4.00	76	77	Below Cal	#	74
18) Methyl Acetate	4.29	43	1272	Below Cal	#	79
20) Methylene Chloride	4.50	84	764	Below Cal		90
31) Cyclohexane	7.63	56	3013	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11924	5.144	ug/l #	51
38) Carbon Tetrachloride	7.63	117	14508	5.292	ug/l #	15
43) Isopropyl Acetate	8.31	43	7654	1.895	ug/l #	61
71) Bromoform	12.38	173	1028	0.631	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	63349	25.512	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	63349	77.881	ug/l #	10
95) Naphthalene	15.11	128	2334	4.219	ug/l #	96

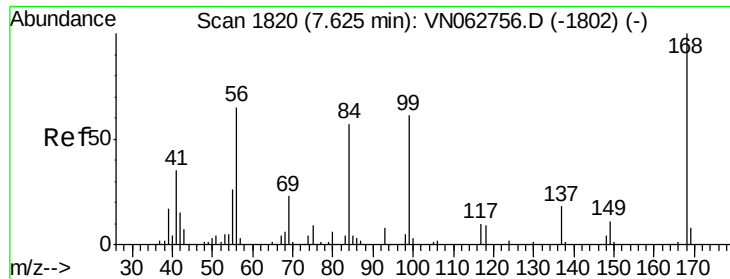
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062774.D

Acq: 6 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampled :

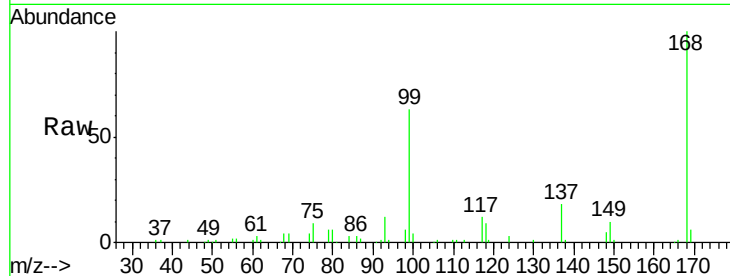
IBLK

Tot Ion:168 Resp: 132780

Ion Ratio Lower Upper

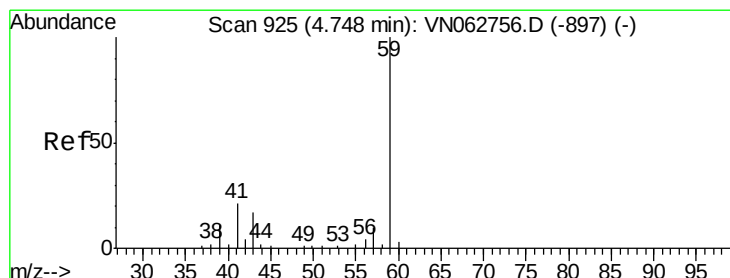
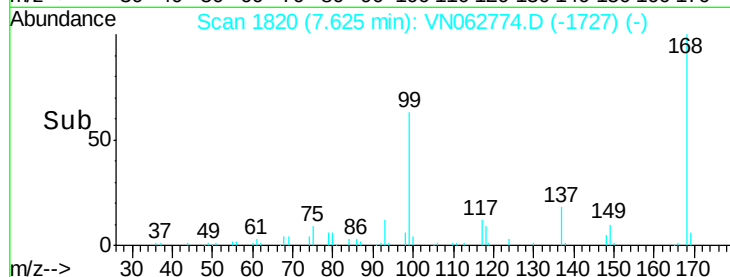
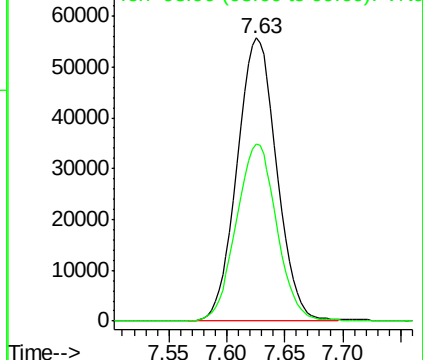
168 100

99 62.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 2.506 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.05 min

Lab File: VN062774.D

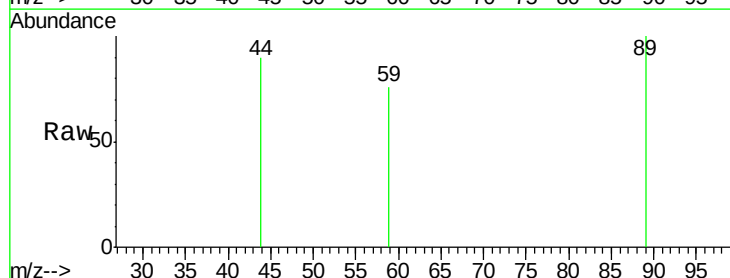
Acq: 6 Aug 2020 18:20

Tgt Ion: 59 Resp: 902

Ion Ratio Lower Upper

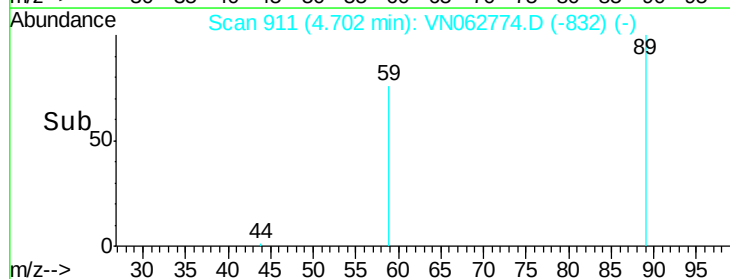
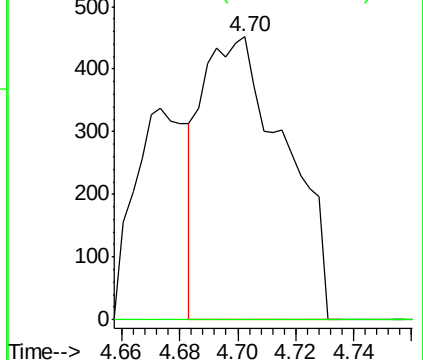
59 100

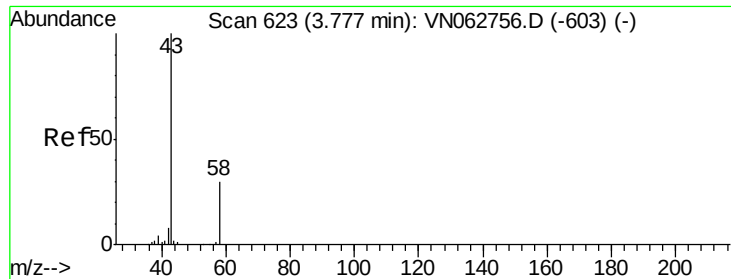
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 6.574 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN062774.D

Acq: 6 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampled :

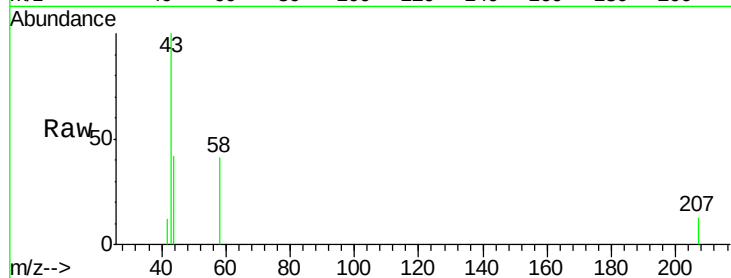
IBLK

Tot Ion: 43 Resp: 5216

Ion Ratio Lower Upper

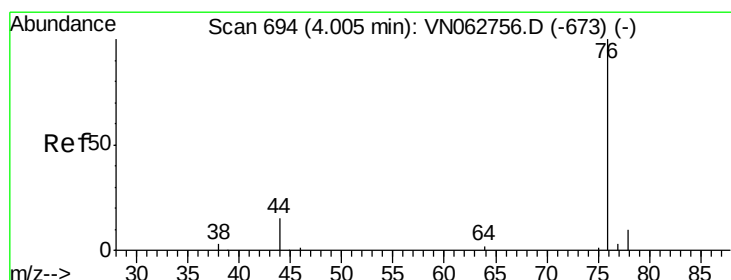
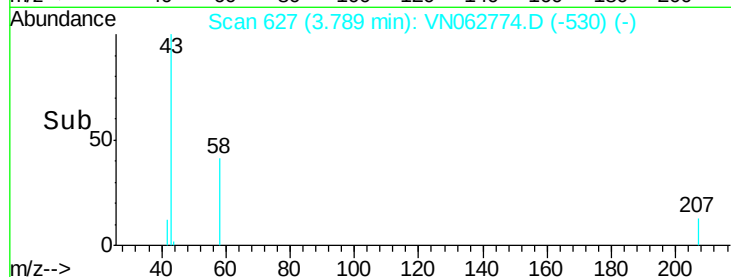
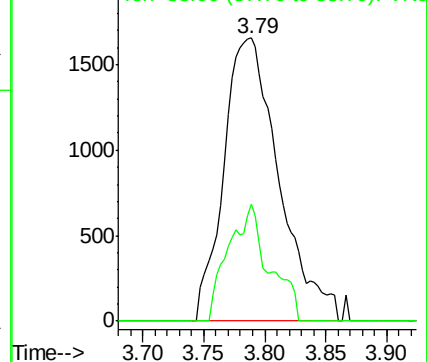
43 100

58 41.1 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062774.D

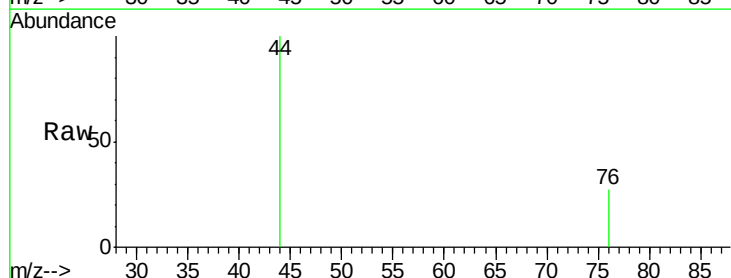
Acq: 6 Aug 2020 18:20

Tgt Ion: 76 Resp: 77

Ion Ratio Lower Upper

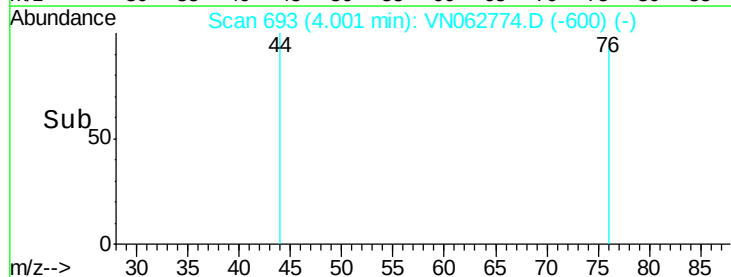
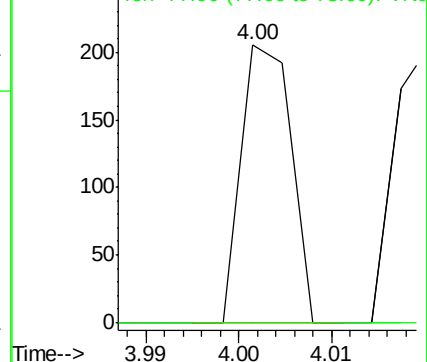
76 100

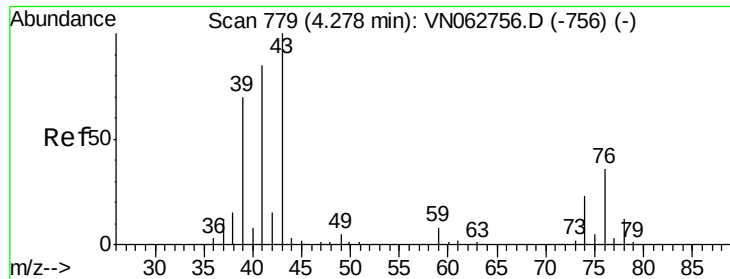
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

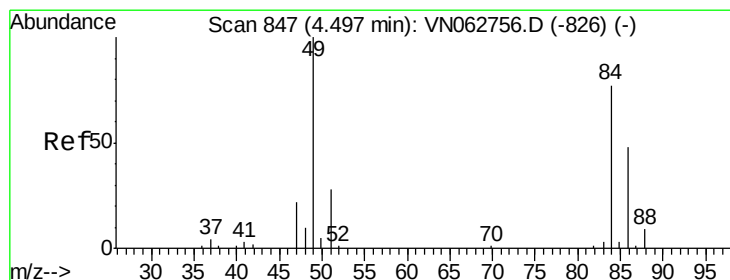
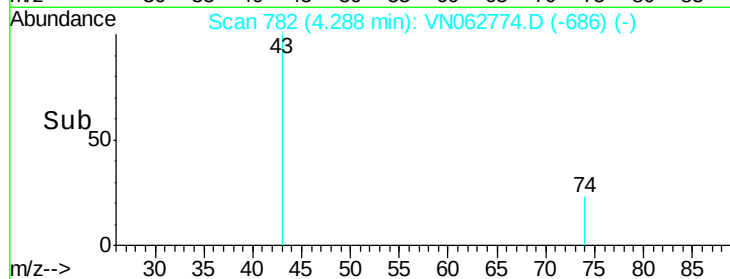
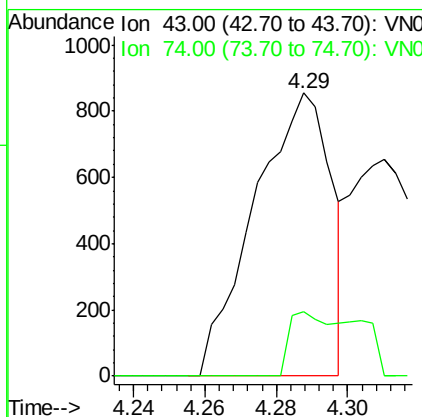
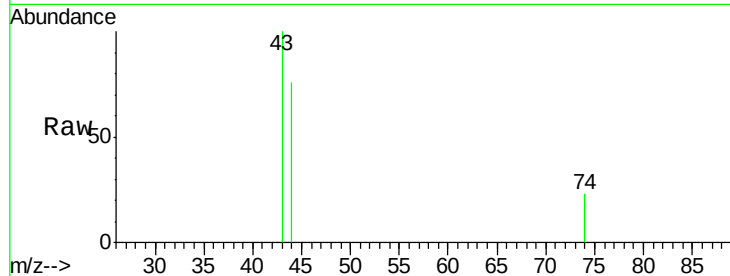




#18
Methyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062774.D
Acq: 6 Aug 2020 18:20

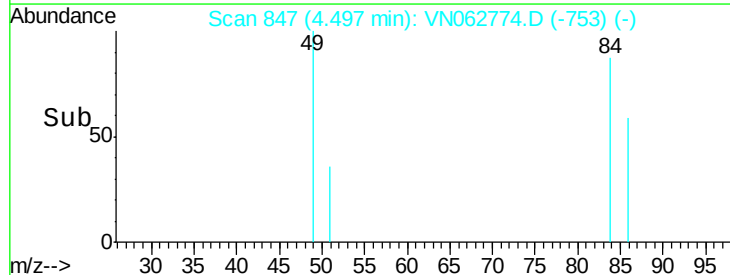
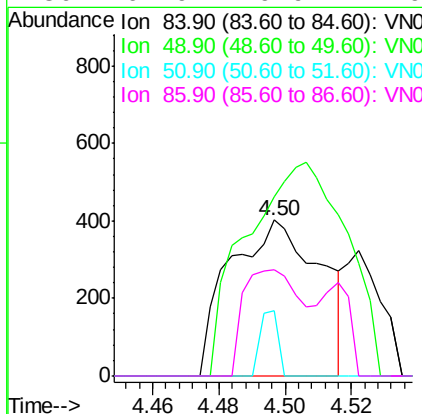
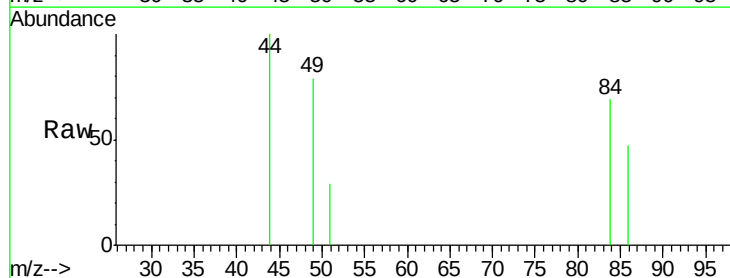
Instrument :
MSVOA_N
ClientSampled :
IBLK

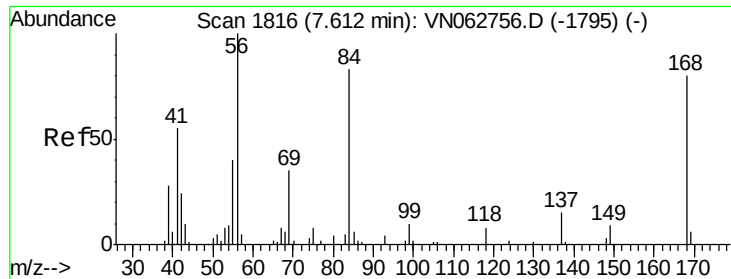
Tot Ion: 43 Resp: 1272
Ion Ratio Lower Upper
43 100
74 13.1 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062774.D
Acq: 6 Aug 2020 18:20

Tgt Ion: 84 Resp: 764
Ion Ratio Lower Upper
84 100
49 115.4 103.4 155.2
51 41.5 29.3 43.9
86 67.9 49.9 74.9

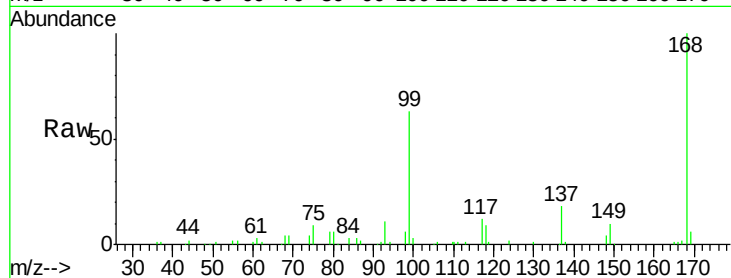




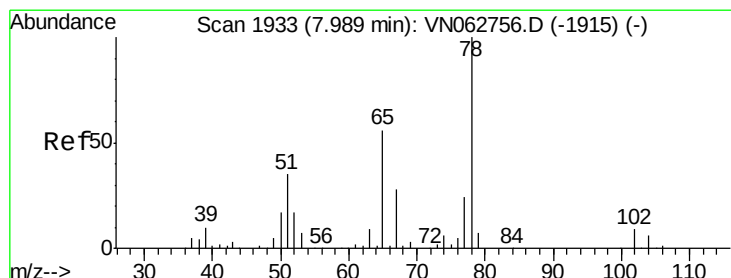
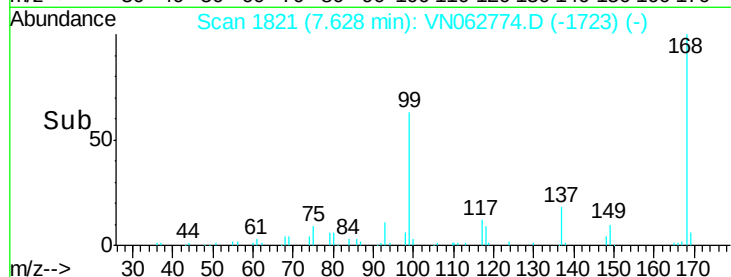
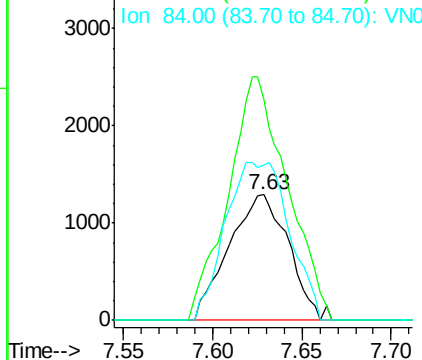
#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062774.D
Acq: 6 Aug 2020 18:20

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion: 56 Resp: 3013
Ion Ratio Lower Upper
56 100
69 175.8 28.1 42.1#
84 123.8 66.8 100.2#

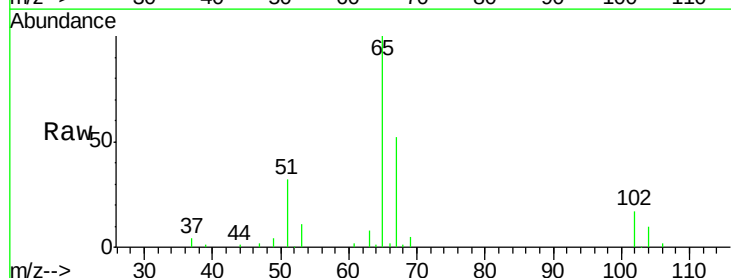


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

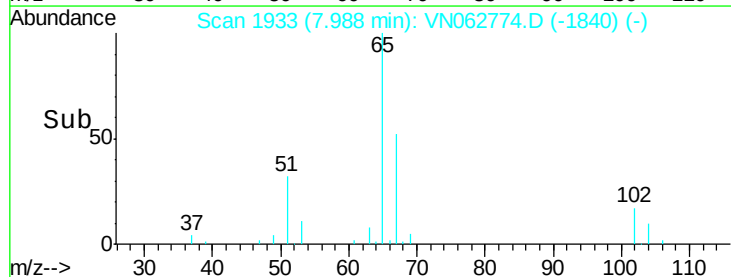
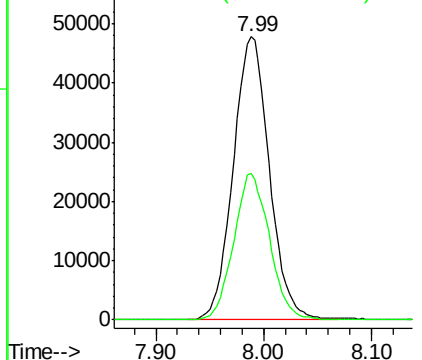


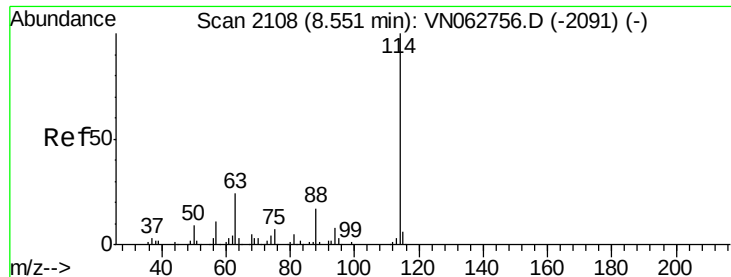
#33
1,2-Dichloroethane-d4
Concen: 50.779 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062774.D
Acq: 6 Aug 2020 18:20

Tgt Ion: 65 Resp: 111499
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

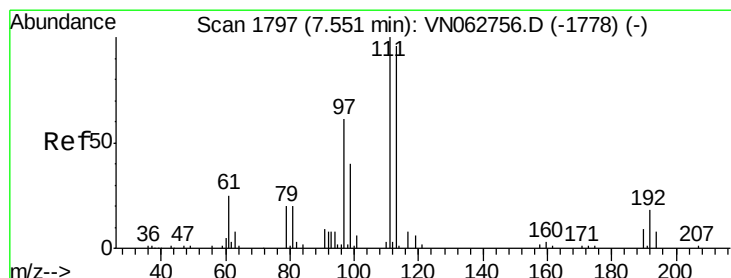
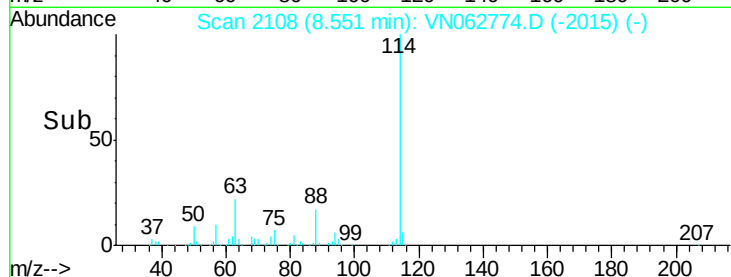
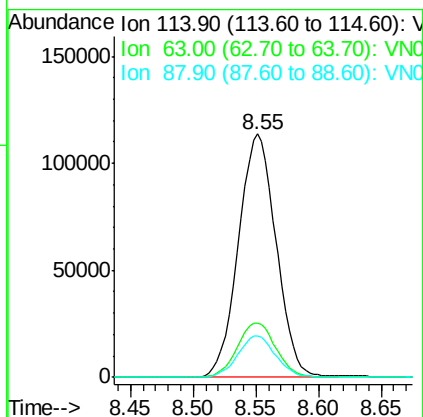
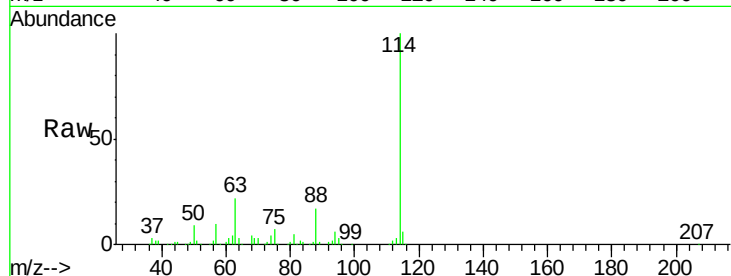




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062774.D
 Acq: 6 Aug 2020 18:20

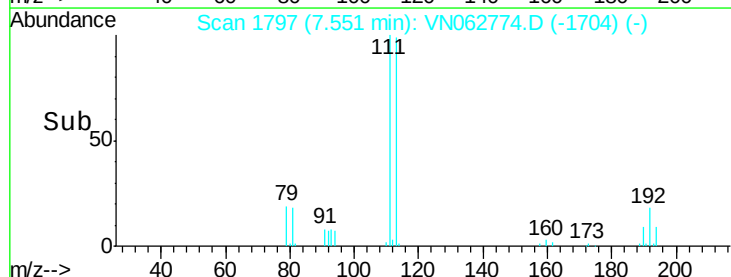
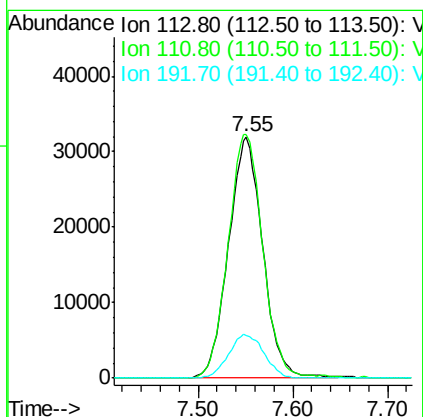
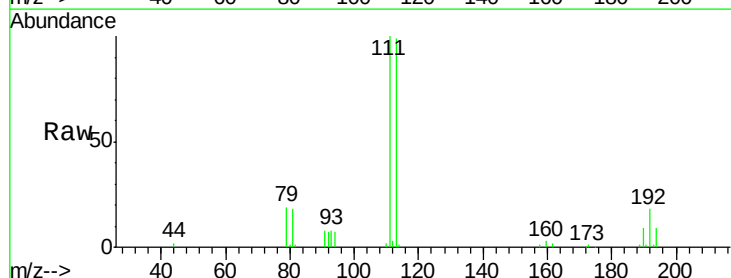
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

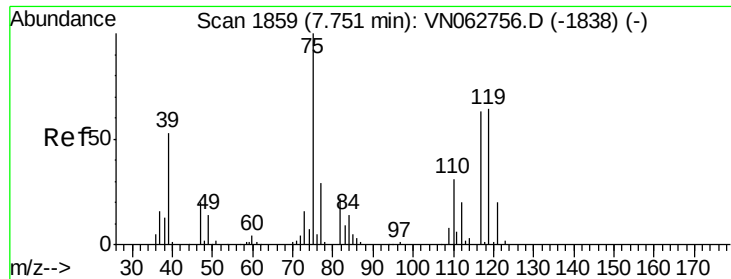
Tot Ion:114 Resp: 238078
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.6
 88 17.2 0.0 34.4



#35
 Dibromofluoromethane
 Concen: 49.215 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062774.D
 Acq: 6 Aug 2020 18:20

Tgt Ion:113 Resp: 80151
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 18.7 15.0 22.4

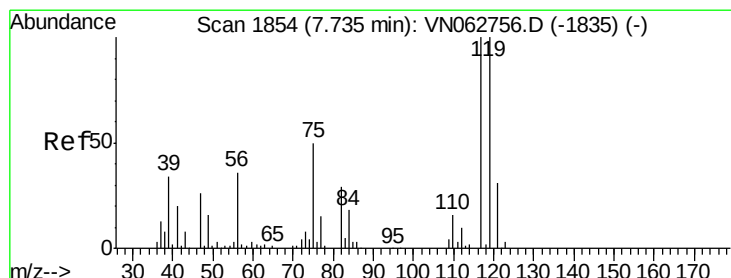
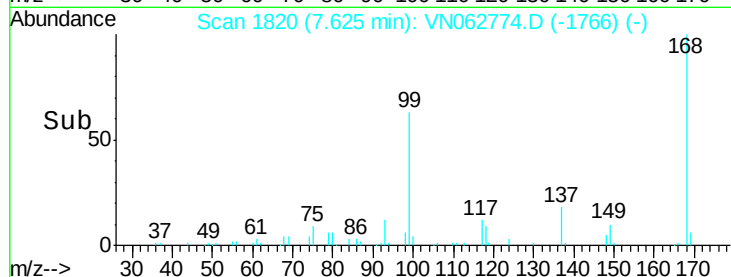
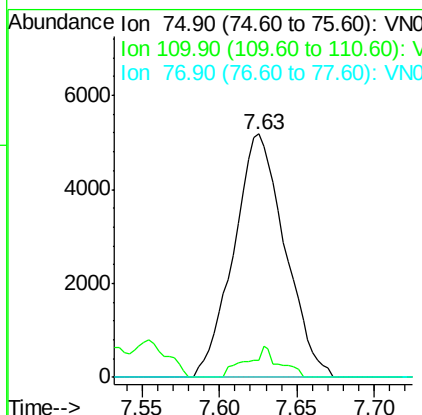
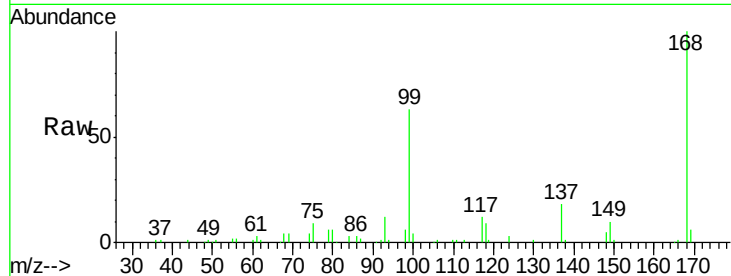




#36
 1,1-Dichloropropene
 Concen: 5.144 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062774.D
 Acq: 6 Aug 2020 18:20

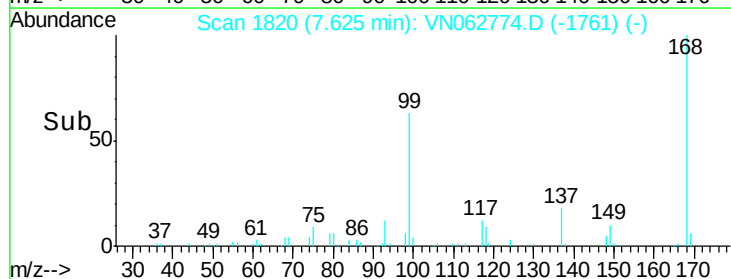
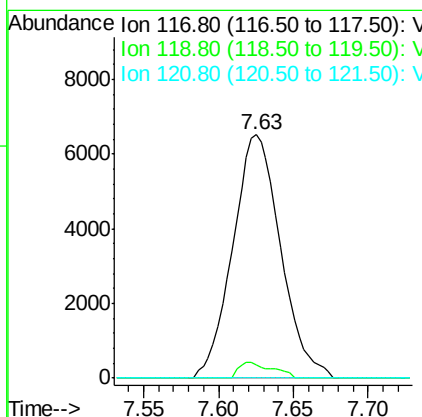
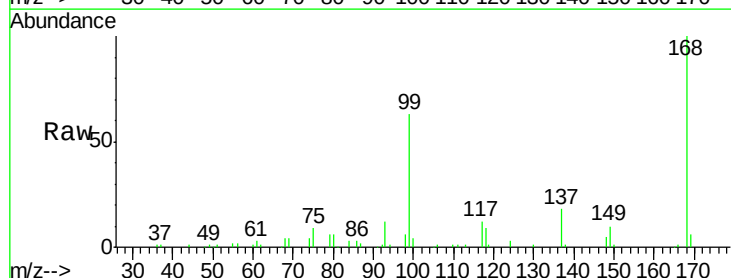
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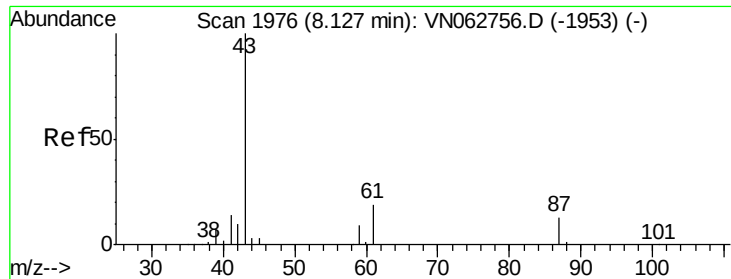
Tot Ion: 75 Resp: 11924
 Ion Ratio Lower Upper
 75 100
 110 8.0 15.6 46.7#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.292 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062774.D
 Acq: 6 Aug 2020 18:20

Tgt Ion: 117 Resp: 14508
 Ion Ratio Lower Upper
 117 100
 119 5.4 79.4 119.2#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 1.895 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.18 min

Lab File: VN062774.D

Acq: 6 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

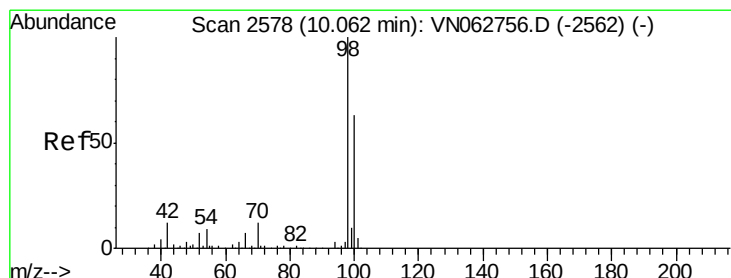
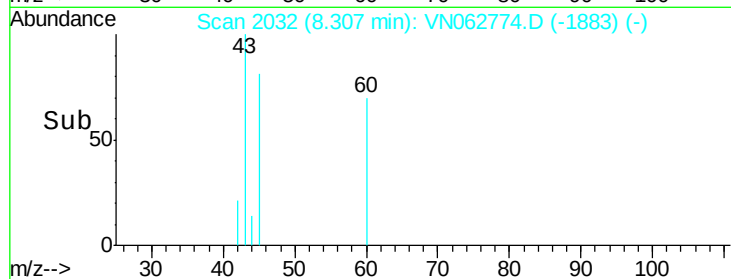
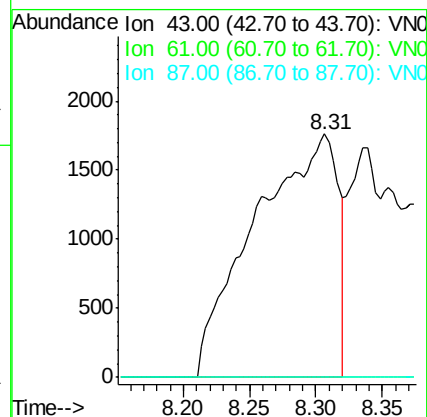
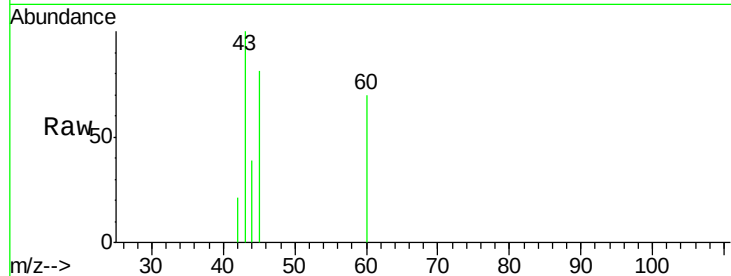
Tot Ion: 43 Resp: 7654

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 9.9 14.9#



#50

Toluene-d8

Concen: 48.508 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062774.D

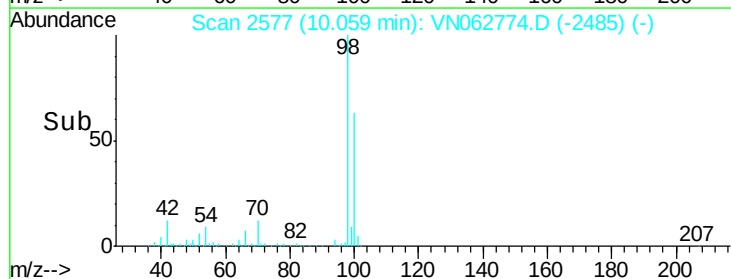
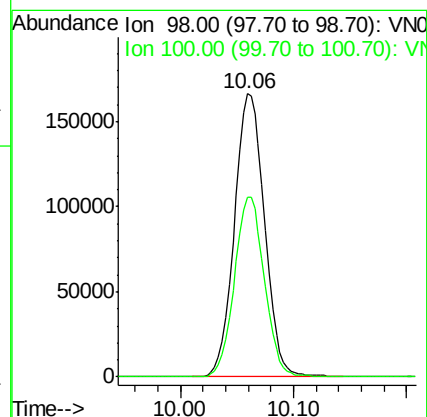
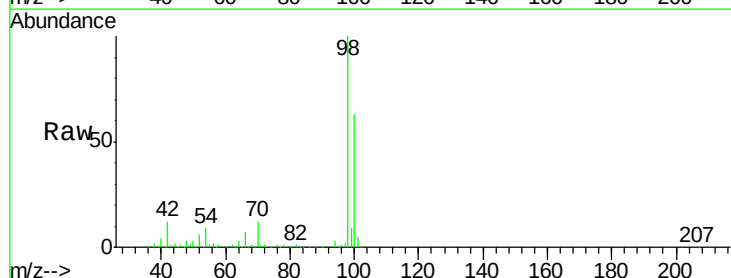
Acq: 6 Aug 2020 18:20

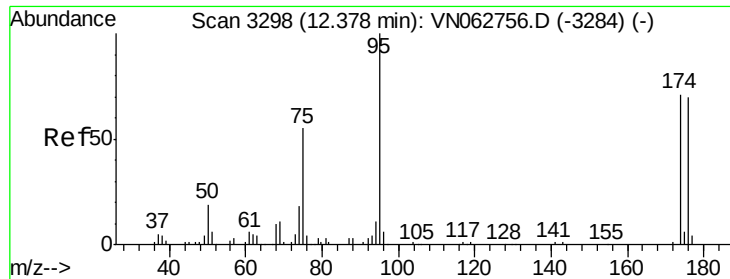
Tgt Ion: 98 Resp: 308423

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 49.353 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062774.D

Acq: 6 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampled :

IBLK

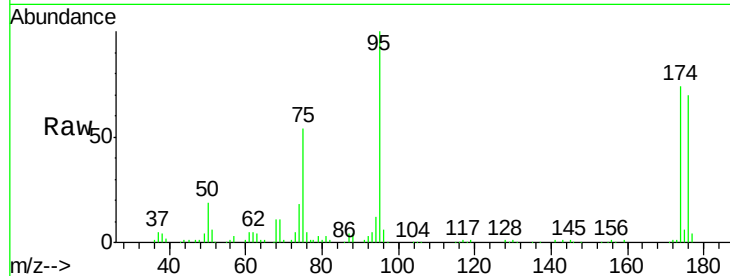
Tot Ion: 95 Resp: 118583

Ion Ratio Lower Upper

95 100

174 74.6 0.0 144.8

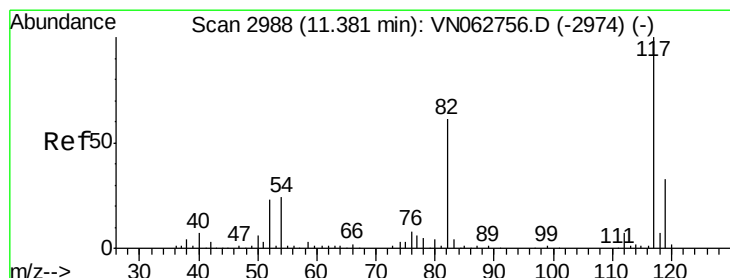
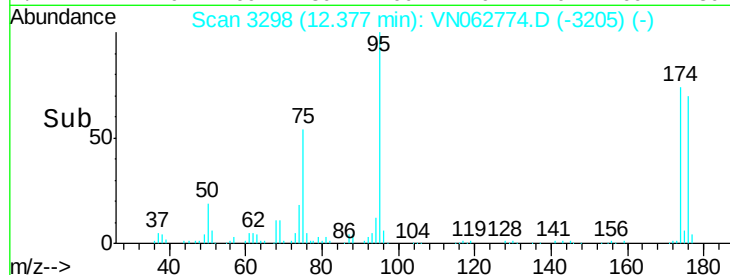
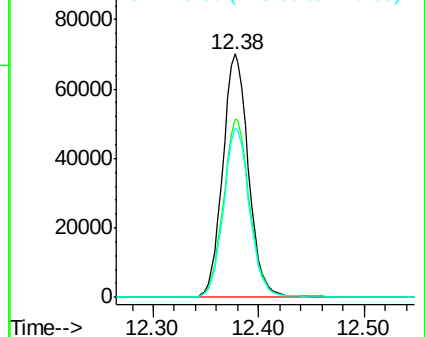
176 70.1 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062774.D

Acq: 6 Aug 2020 18:20

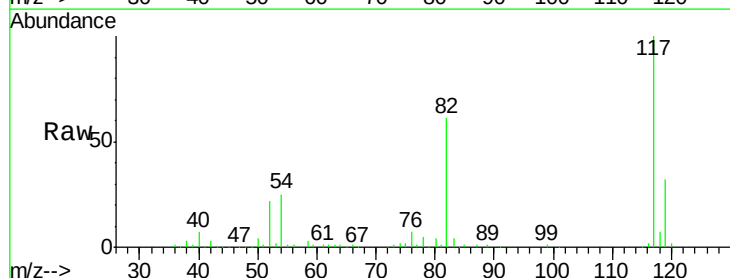
Tgt Ion: 117 Resp: 237379

Ion Ratio Lower Upper

117 100

82 61.1 49.0 73.4

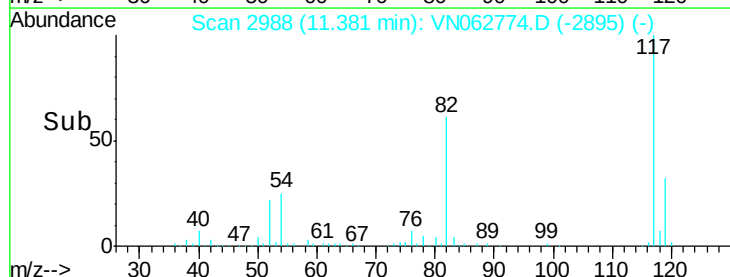
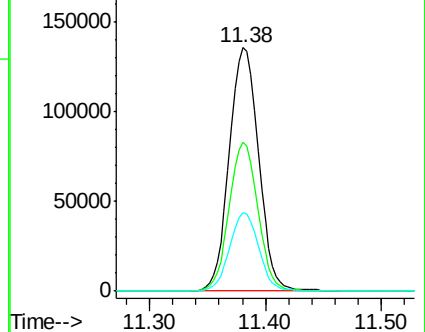
119 32.0 26.2 39.2

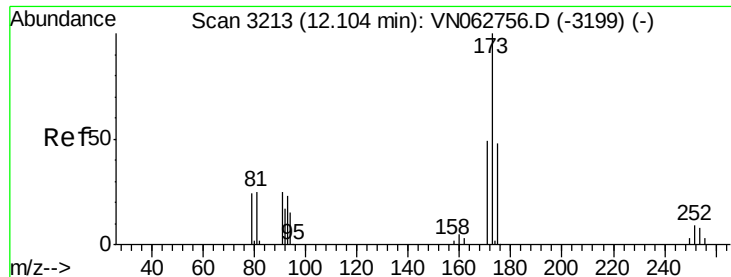


Abundance Ion 116.90 (116.60 to 117.60): VN062756.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062756.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062756.D (-2974) (-)





#71

Bromoform

Concen: 0.631 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.27 min

Lab File: VN062774.D

Acq: 6 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

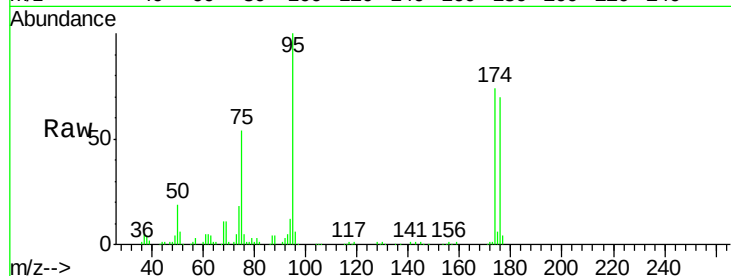
Tot Ion:173 Resp: 1028

Ion Ratio Lower Upper

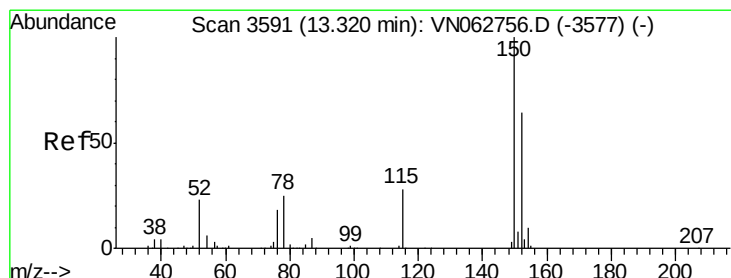
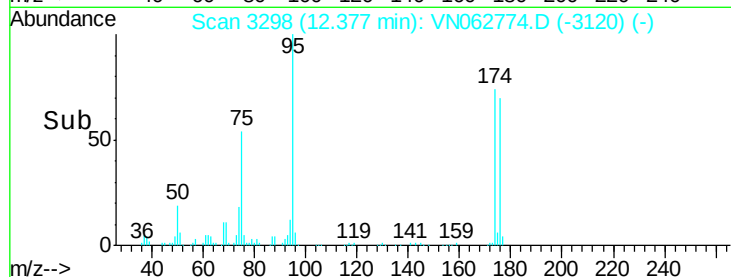
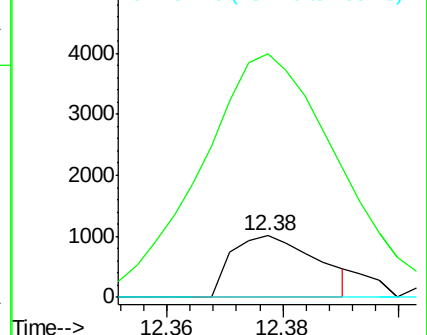
173 100

175 569.2 24.0 72.0#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062774.D

Acq: 6 Aug 2020 18:20

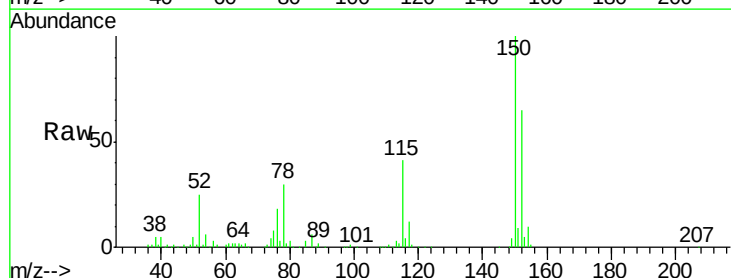
Tgt Ion:152 Resp: 92073

Ion Ratio Lower Upper

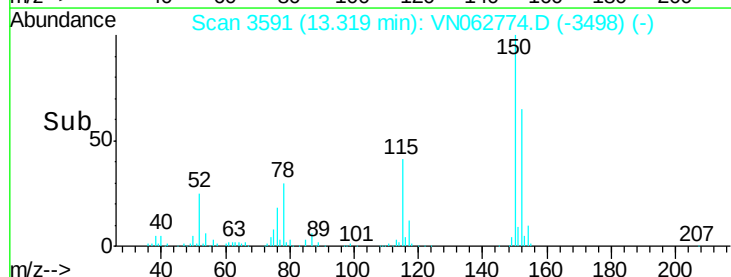
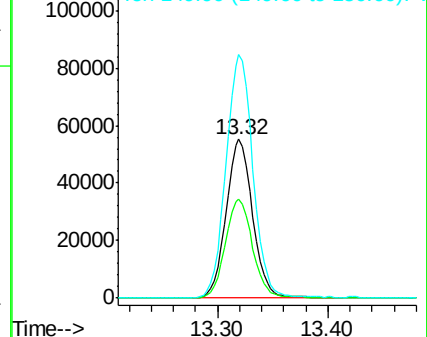
152 100

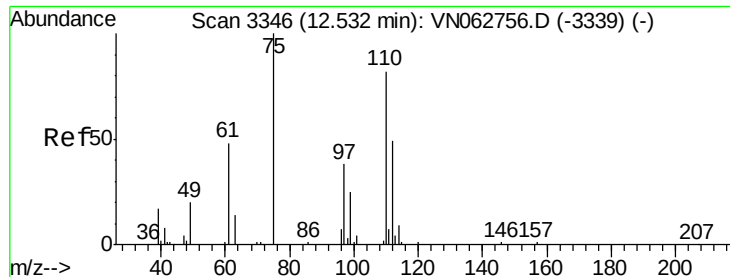
115 64.3 31.6 94.8

150 156.5 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

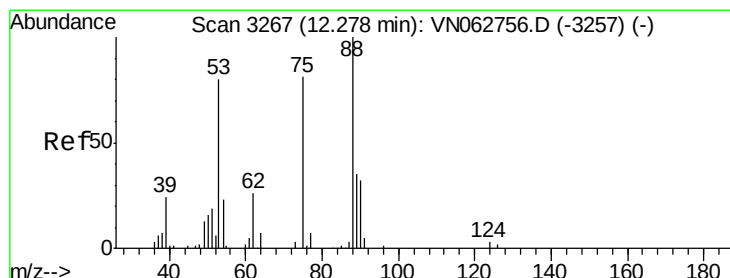
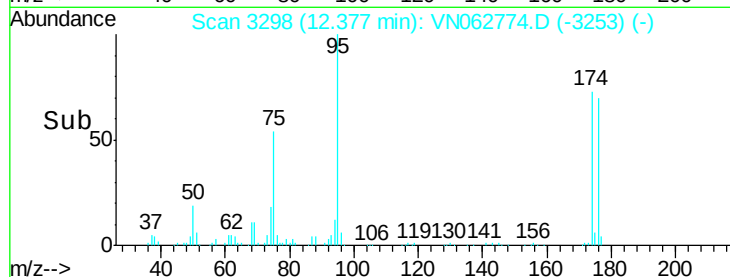
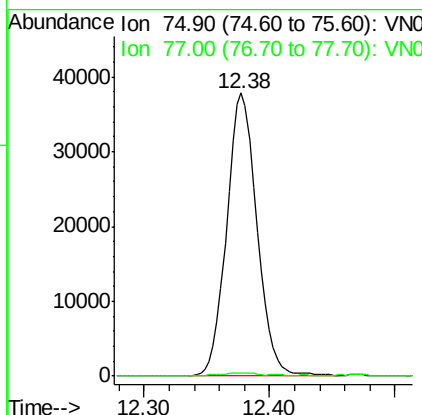
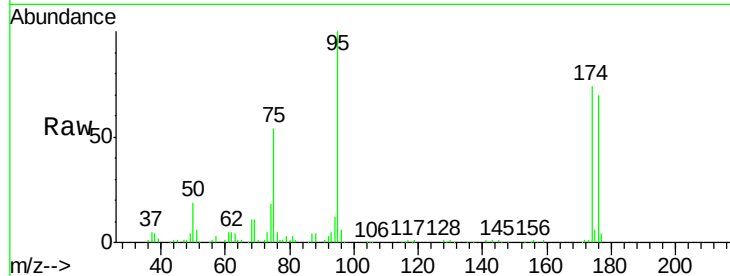




#76
 1,2,3-Trichloropropane
 Concen: 25.512 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062774.D
 Acq: 6 Aug 2020 18:20

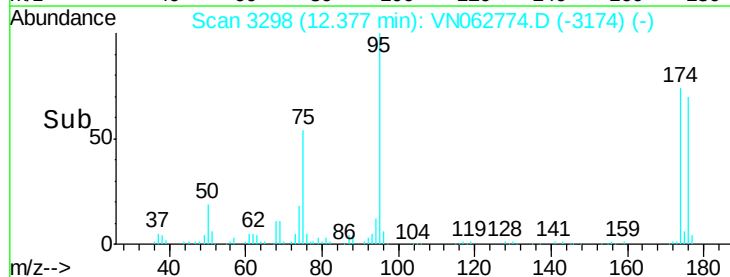
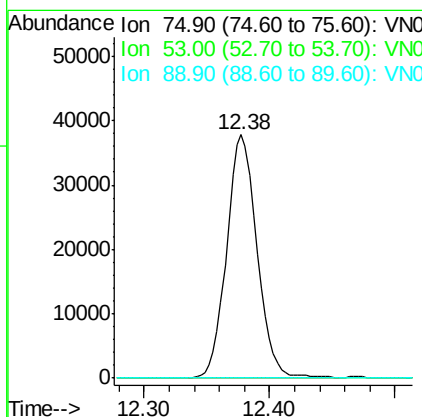
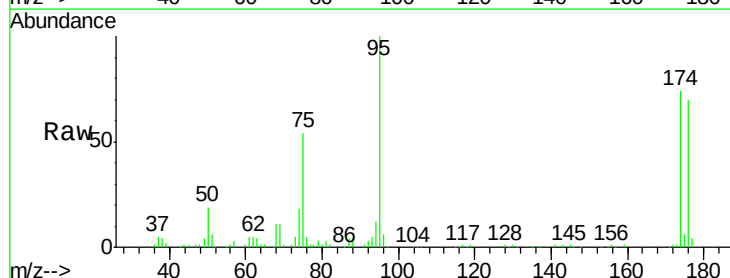
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

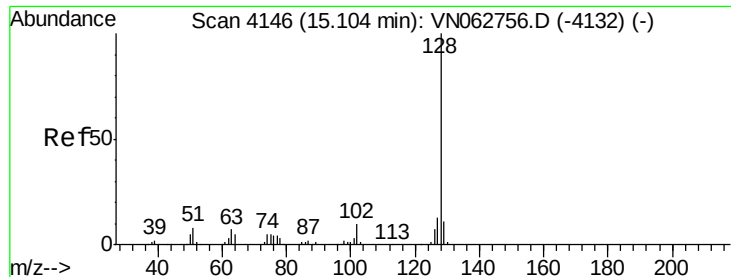
Tot Ion: 75 Resp: 63349
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.881 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062774.D
 Acq: 6 Aug 2020 18:20

Tgt Ion: 75 Resp: 63349
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 4.219 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062774.D

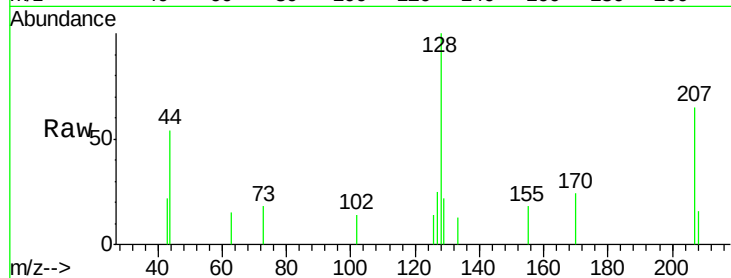
Acq: 6 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK



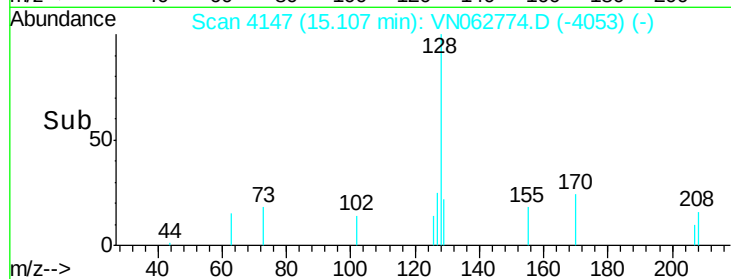
Tot Ion:128 Resp: 2334

Ion Ratio Lower Upper

128 100

127 14.7 10.8 16.2

129 8.7 8.8 13.2#



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

