

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062198.D
 Acq On : 29 Jun 2020 19:20
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

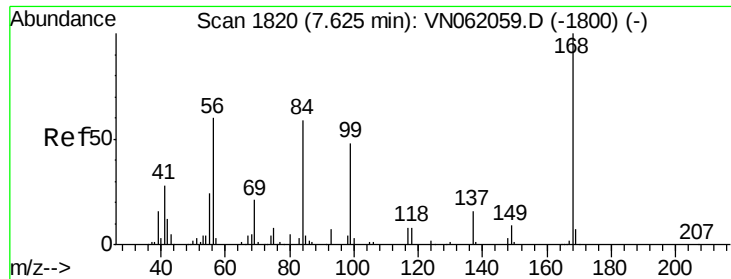
Quant Time: Jun 30 04:28:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	191682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	368784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	353322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	125175	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	144698	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
35) Dibromofluoromethane	7.55	113	119777	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.06	98	469532	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.38	95	147655	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	192	Below Cal	#	41
16) Acetone	3.78	43	202	Below Cal	#	40
20) Methylene Chloride	4.50	84	452	Below Cal	#	71
31) Cyclohexane	7.63	56	4399	1.184	ug/l #	5
36) 1,1-Dichloropropene	7.62	75	16254	4.385	ug/l #	49
38) Carbon Tetrachloride	7.63	117	19899	5.694	ug/l #	16
44) Trichloroethene	8.80	130	1384	0.486	ug/l	92
51) 4-Methyl-2-Pentanone	10.06	43	1889	0.646	ug/l #	1
71) Bromoform	12.37	173	1438	0.754	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	76648	26.011	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	76648	75.963	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

Instrument :

MSVOA_N

ClientSampleId :

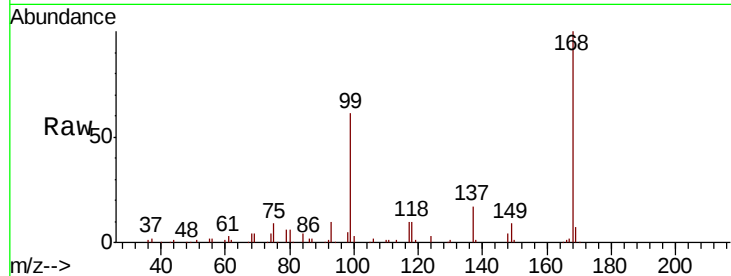
IBLK

Tot Ion:168 Resp: 191682

Ion Ratio Lower Upper

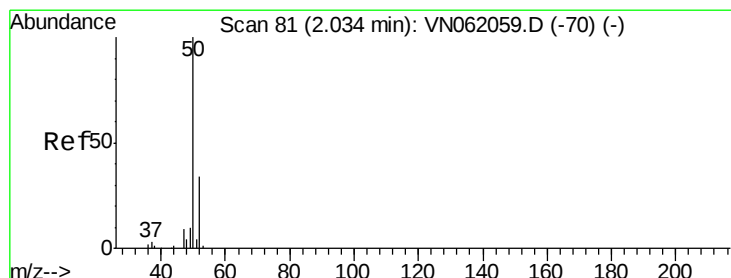
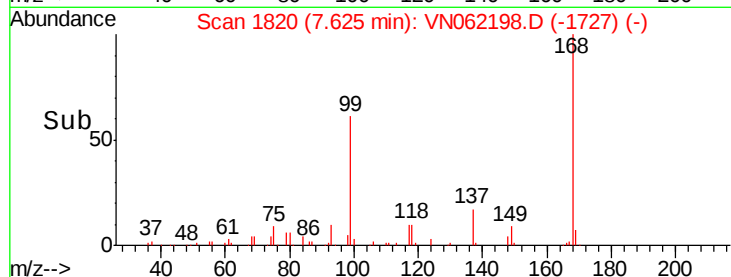
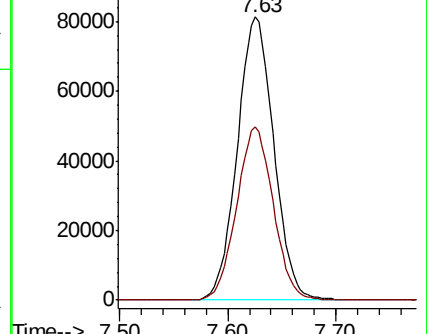
168 100

99 61.3 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062198.D

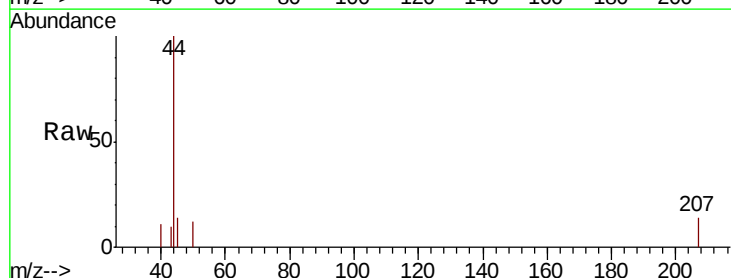
Acq: 29 Jun 2020 19:20

Tgt Ion: 50 Resp: 192

Ion Ratio Lower Upper

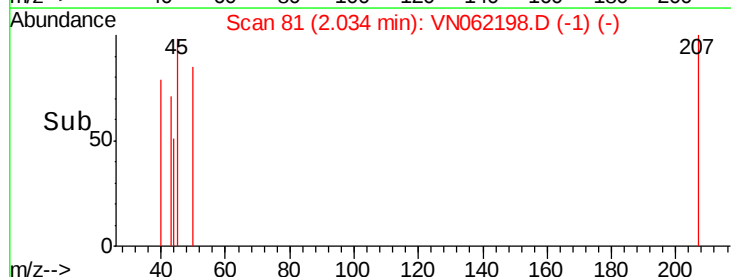
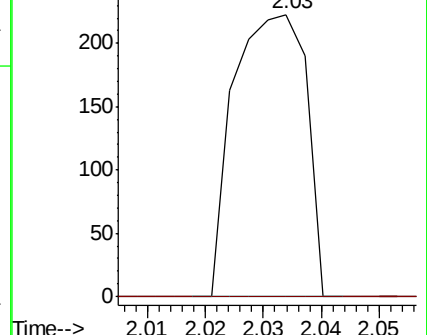
50 100

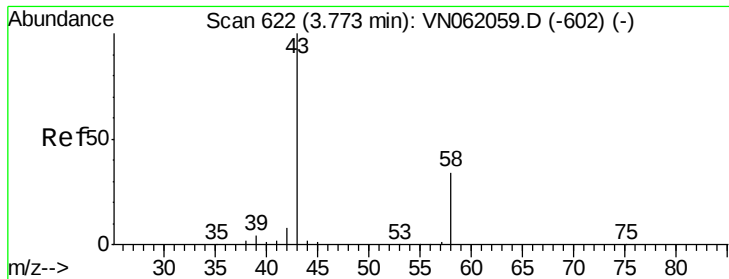
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

Instrument :

MSVOA_N

ClientSampled :

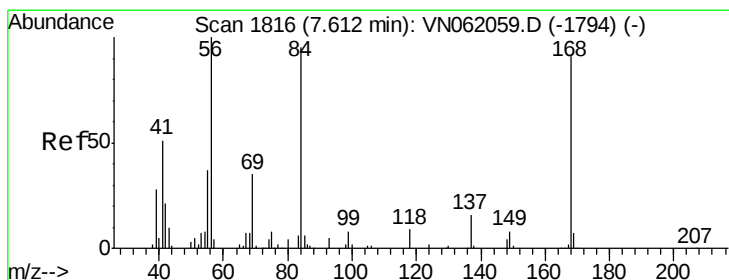
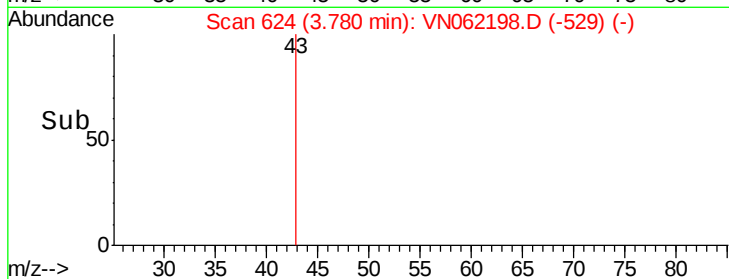
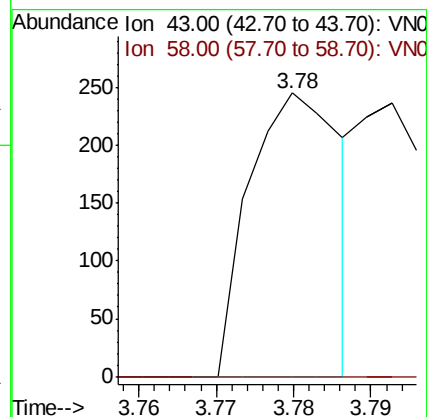
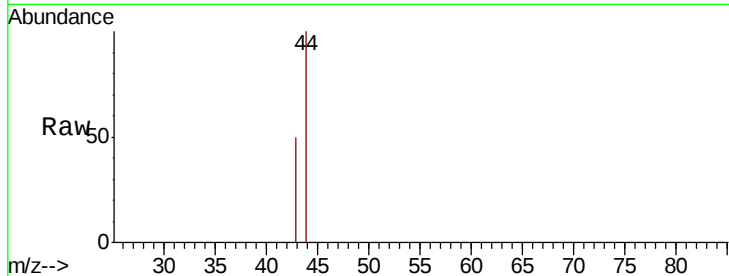
IBLK

Tot Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

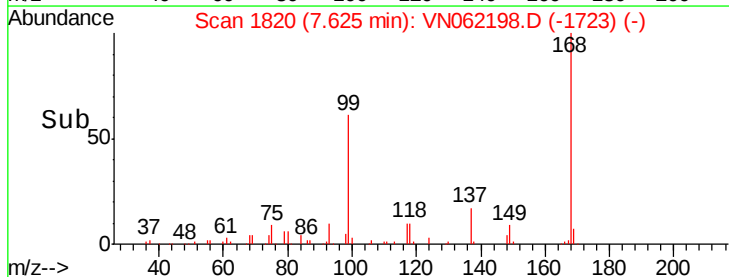
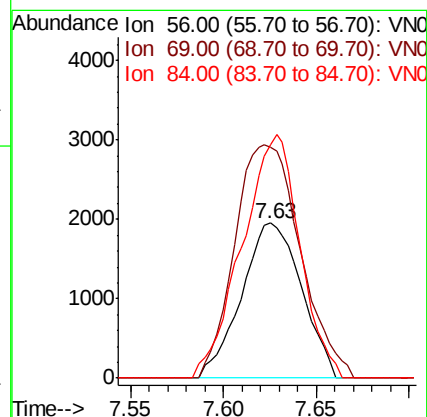
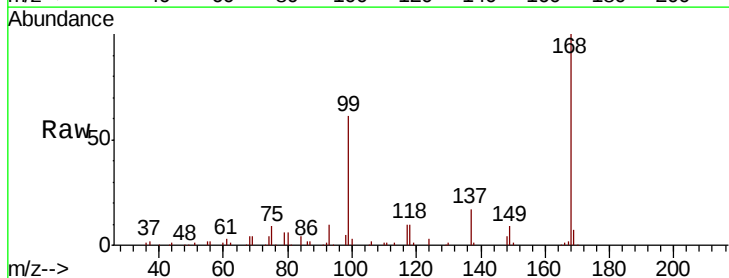
Tgt Ion: 56 Resp: 4399

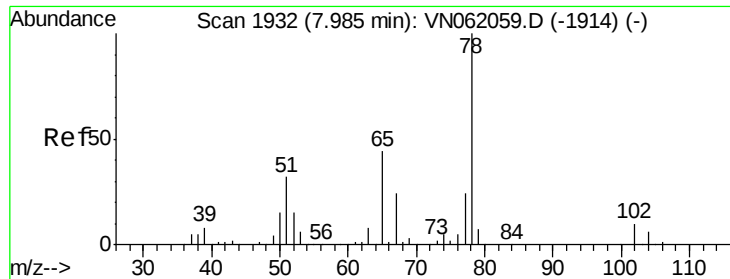
Ion Ratio Lower Upper

56 100

69 149.3 28.0 42.0#

84 151.1 76.1 114.1#





#33

1,2-Dichloroethane-d4

Concen: 53.792 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

Instrument :

MSVOA_N

ClientSampleId :

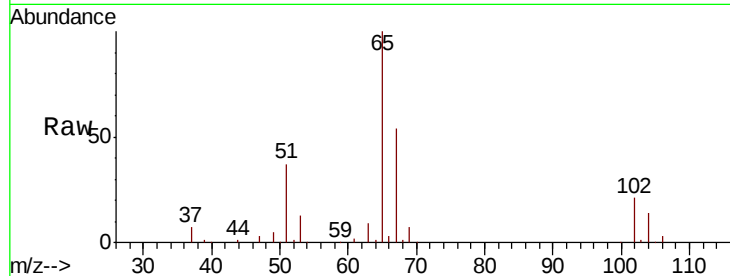
IBLK

Tot Ion: 65 Resp: 144698

Ion Ratio Lower Upper

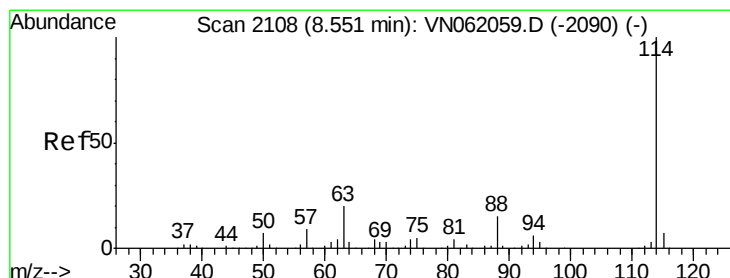
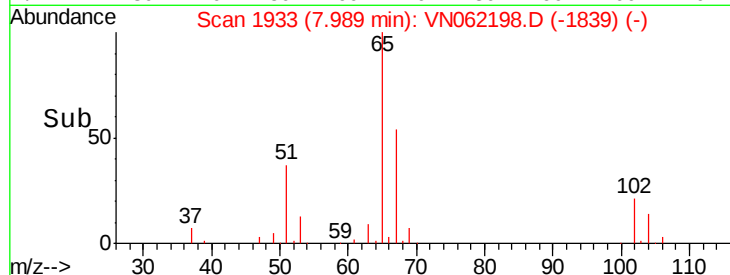
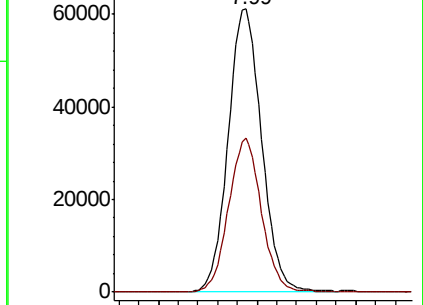
65 100

67 52.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062198.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062198.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

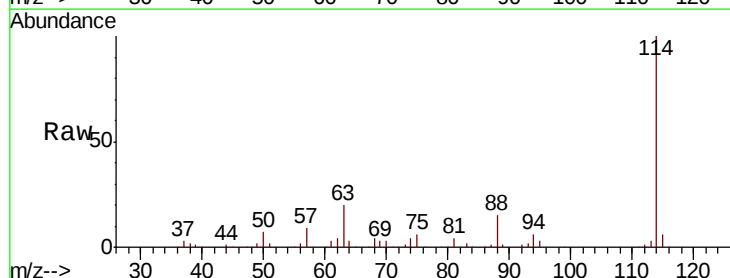
Tgt Ion: 114 Resp: 368784

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

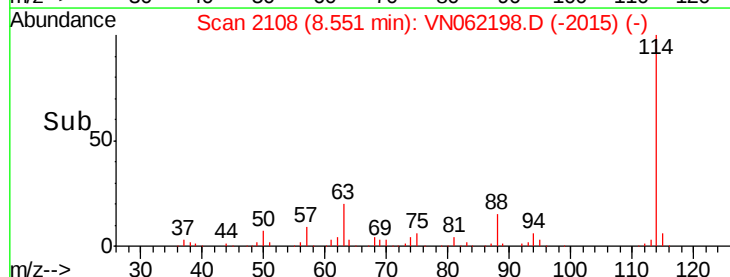
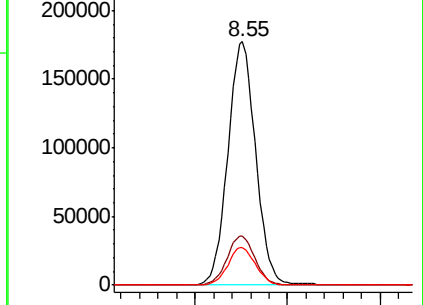
88 15.3 0.0 30.8

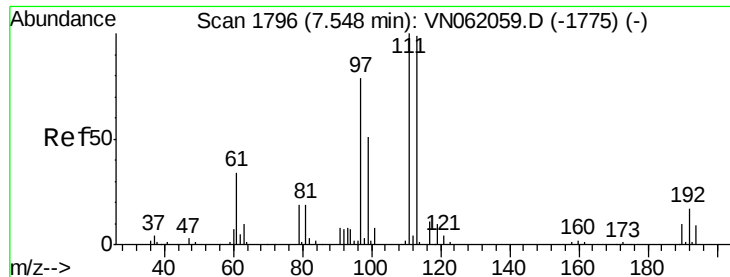


Abundance Ion 113.90 (113.60 to 114.60): VN062198.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062198.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062198.D (-2015) (-)

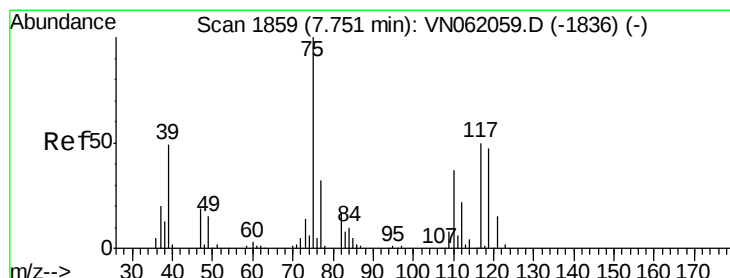
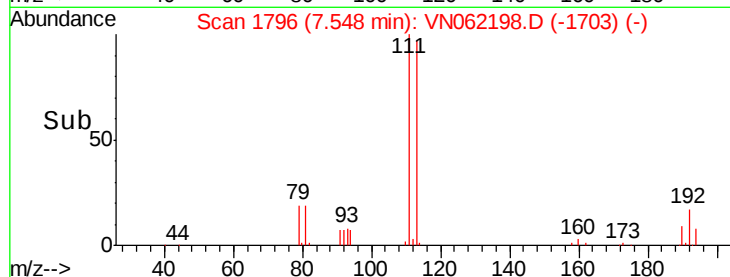
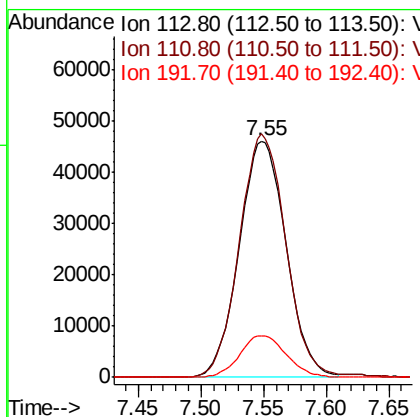
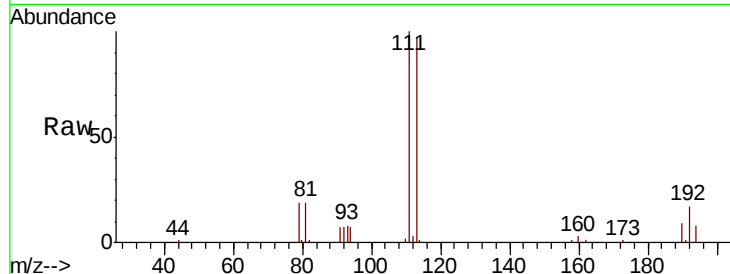




#35
 Dibromofluoromethane
 Concen: 50.626 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062198.D
 Acq: 29 Jun 2020 19:20

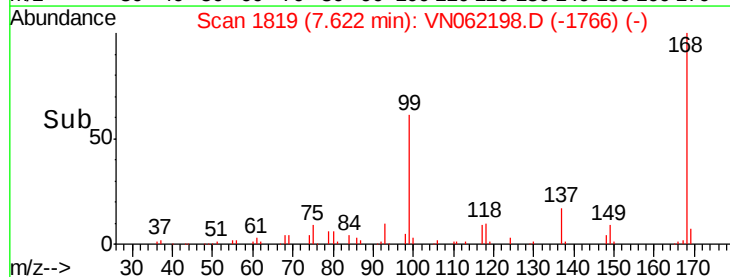
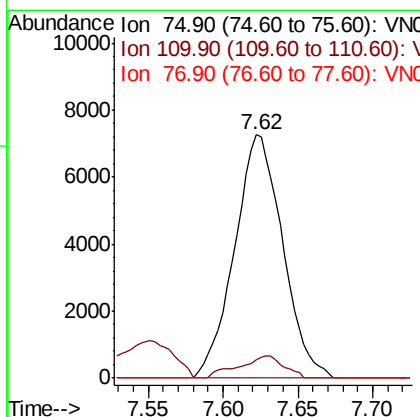
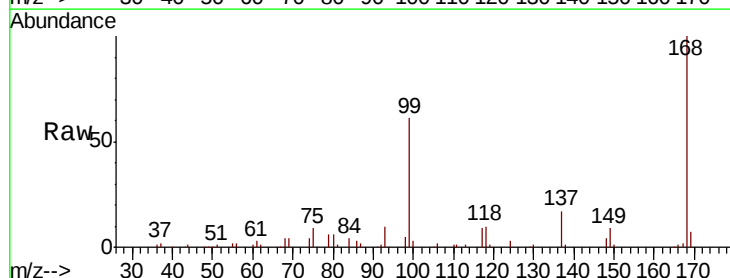
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

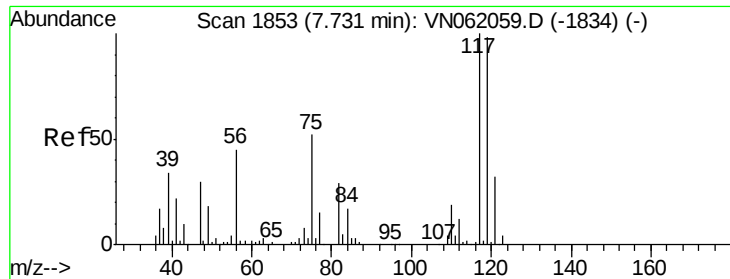
Tot Ion:113 Resp: 119777
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 17.5 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 4.385 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062198.D
 Acq: 29 Jun 2020 19:20

Tgt Ion: 75 Resp: 16254
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.9 53.8#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.694 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

Instrument :

MSVOA_N

ClientSampled :

IBLK

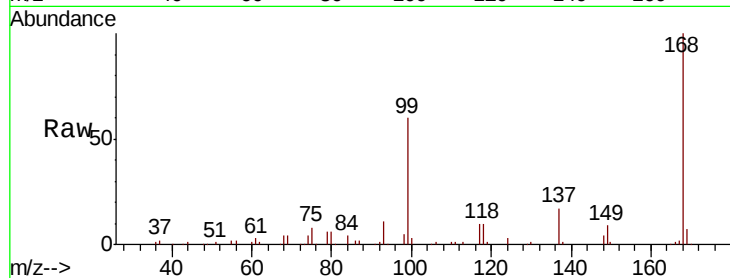
Tot Ion:117 Resp: 19899

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

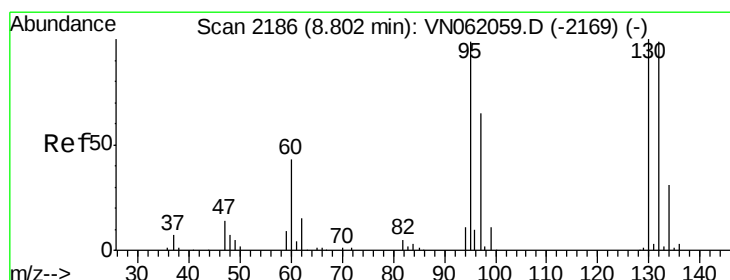
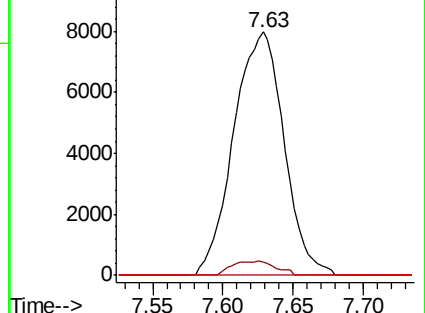
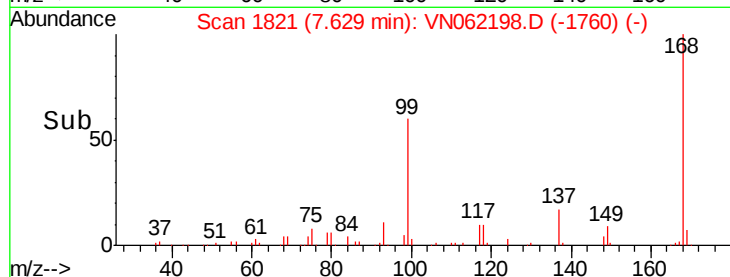
121 0.0 25.8 38.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.486 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062198.D

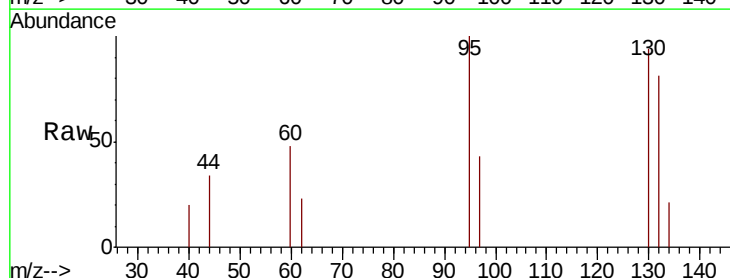
Acq: 29 Jun 2020 19:20

Tgt Ion:130 Resp: 1384

Ion Ratio Lower Upper

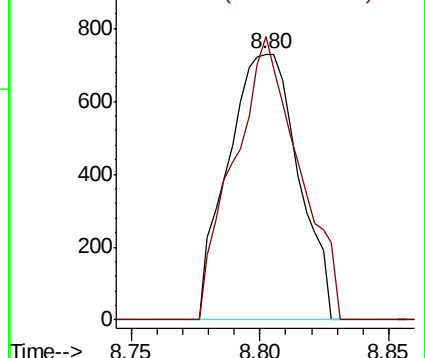
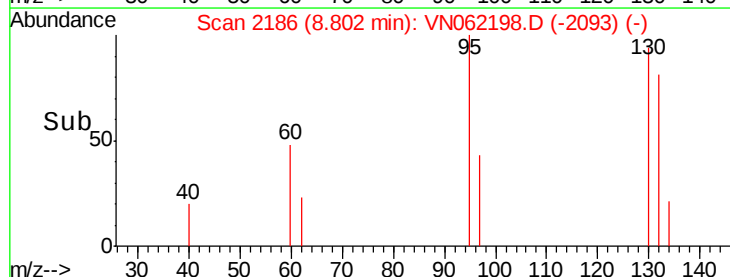
130 100

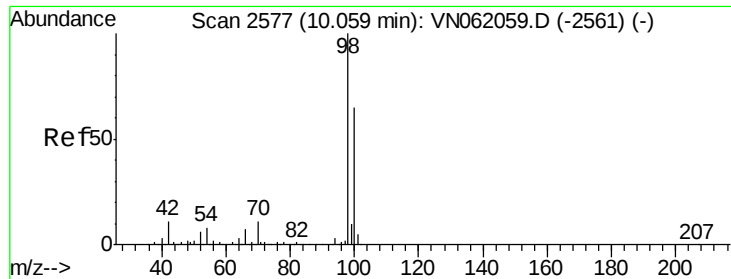
95 106.4 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.647 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

Instrument :

MSVOA_N

ClientSampleId :

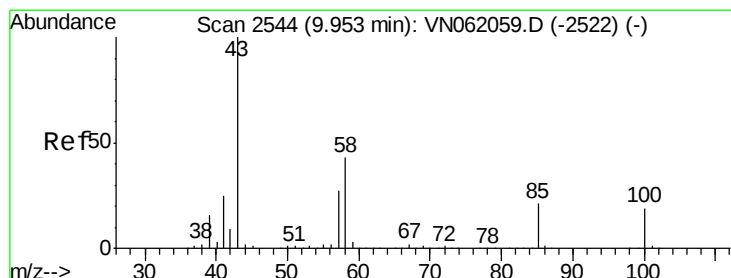
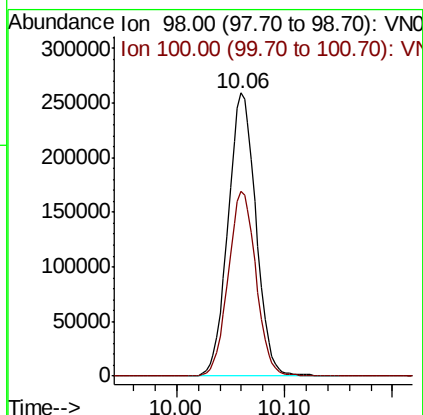
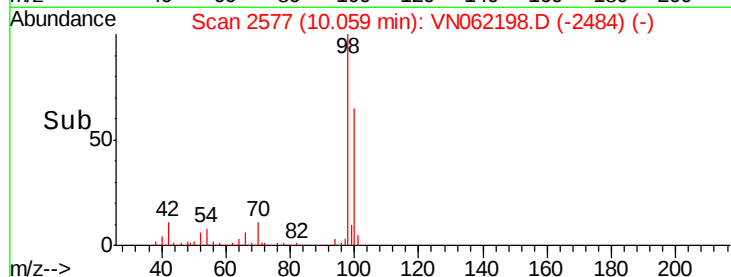
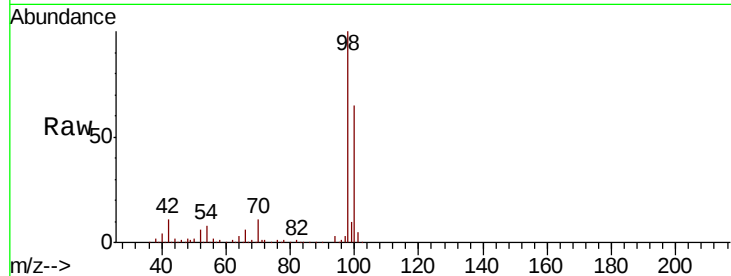
IBLK

Tot Ion: 98 Resp: 469532

Ion Ratio Lower Upper

98 100

100 64.9 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.646 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062198.D

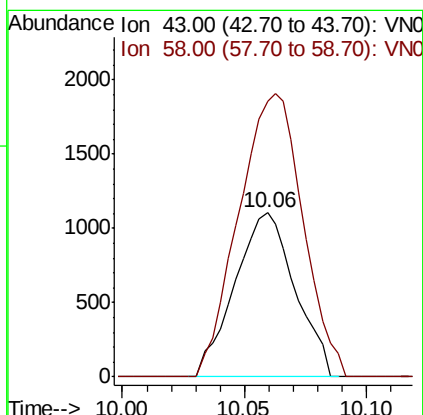
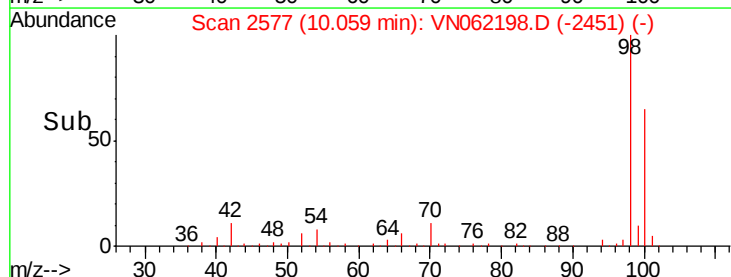
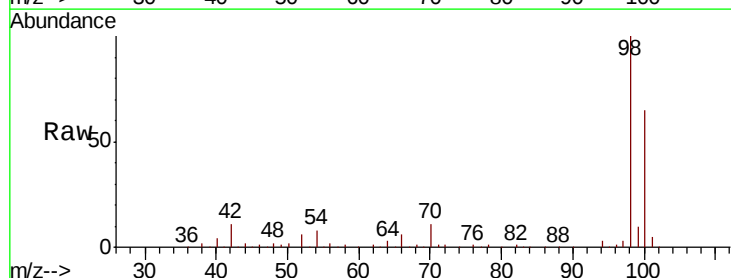
Acq: 29 Jun 2020 19:20

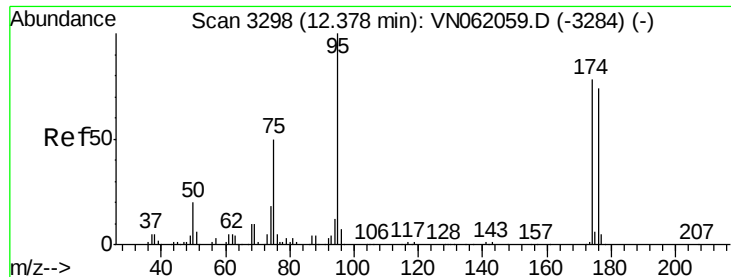
Tgt Ion: 43 Resp: 1889

Ion Ratio Lower Upper

43 100

58 184.1 34.2 51.2#

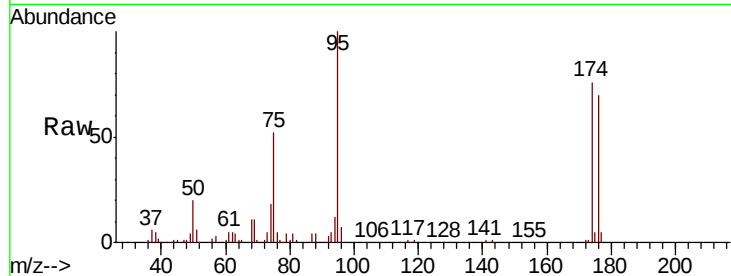




#62
4-Bromofluorobenzene
Concen: 46.211 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062198.D
Acq: 29 Jun 2020 19:20

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion	95	Resp	147655
Ion Ratio	100		
Lower			
Upper			
174	76.6	0.0	154.8
176	72.0	0.0	147.4

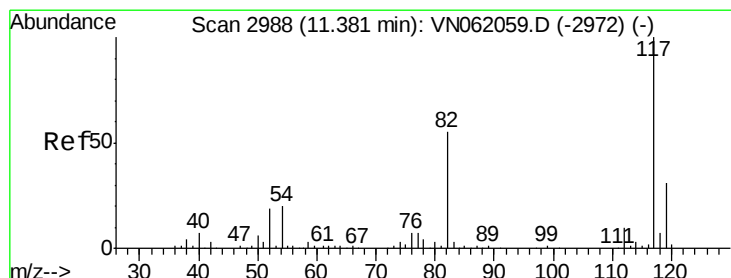
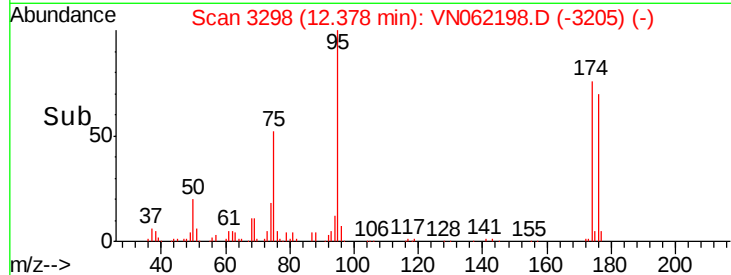
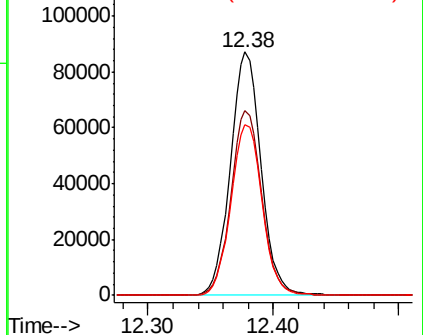


Abundance

Ion 94.90 (94.60 to 95.60): VN062198.D (-3205) (-)

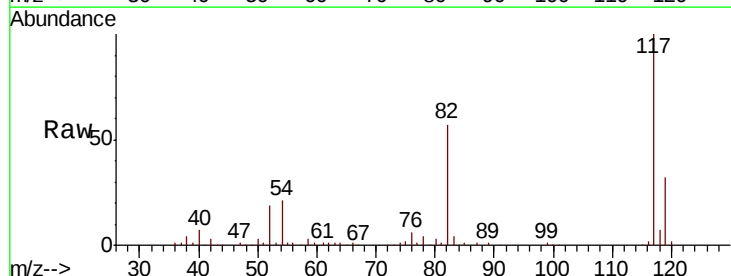
Ion 173.80 (173.50 to 174.50): VN062198.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062198.D (-3205) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062198.D
Acq: 29 Jun 2020 19:20

Tgt Ion	117	Resp	353322
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	57.0	43.8	65.8
119	32.0	25.2	37.8

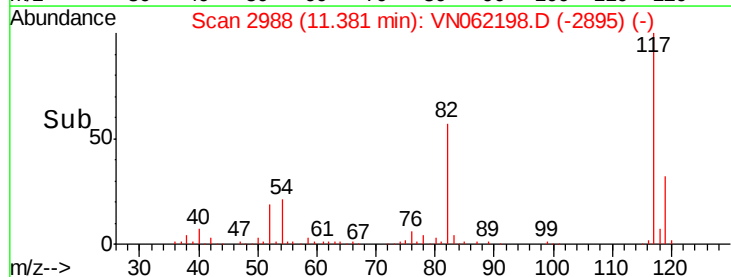
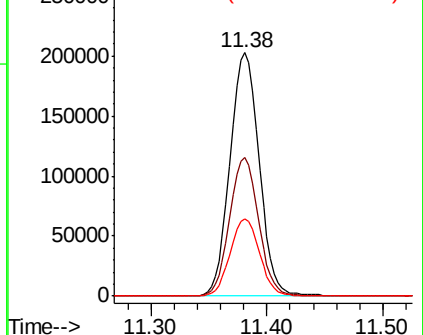


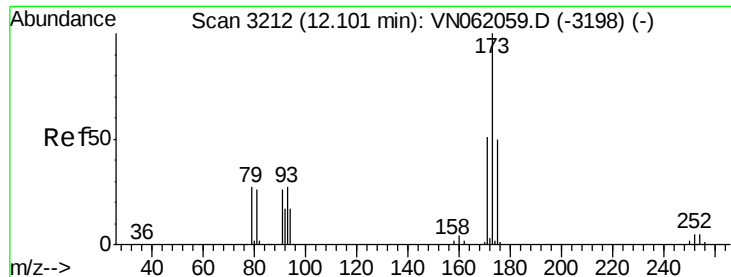
Abundance

Ion 116.90 (116.60 to 117.60): VN062198.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062198.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062198.D (-2895) (-)

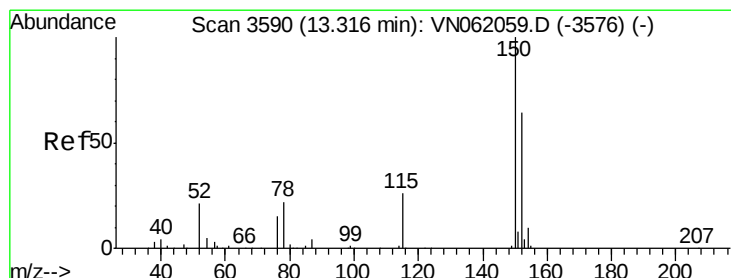
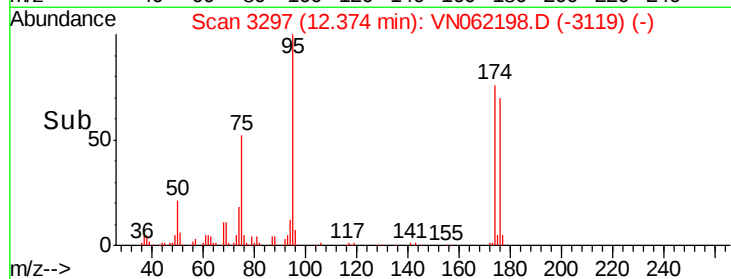
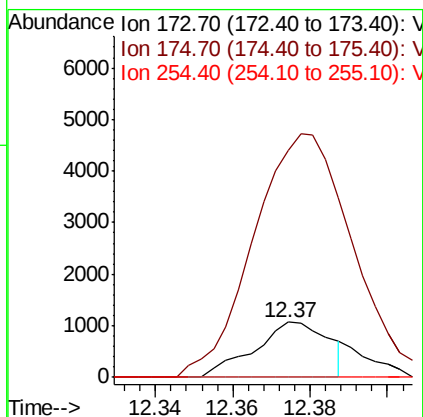
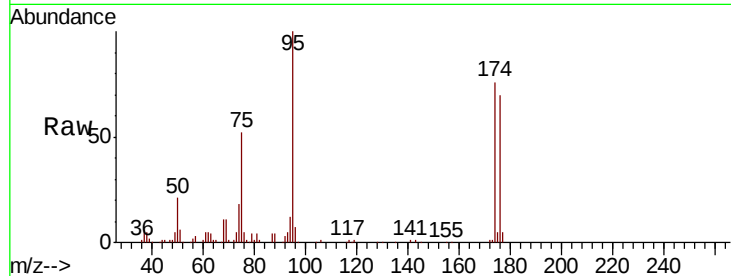




#71
Bromoform
Concen: 0.754 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062198.D
Acq: 29 Jun 2020 19:20

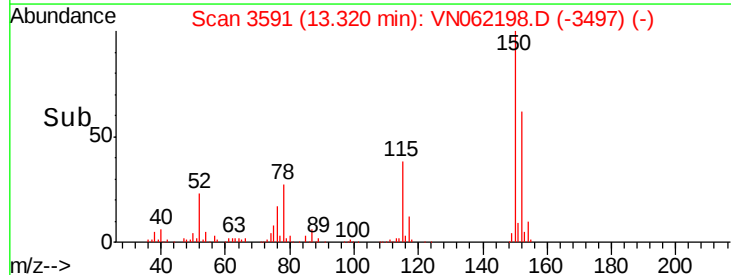
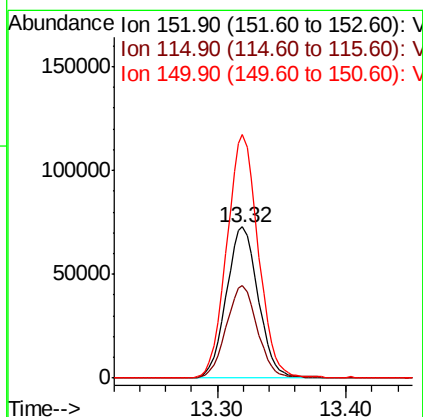
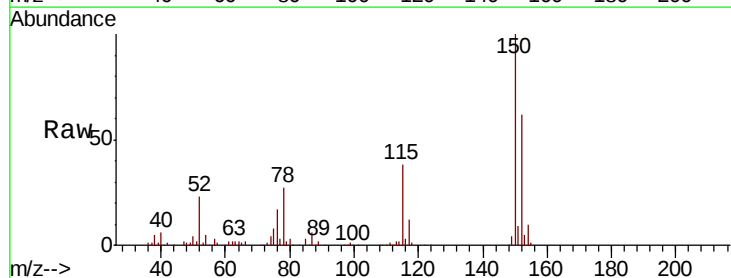
Instrument :
MSVOA_N
ClientSampled :
IBLK

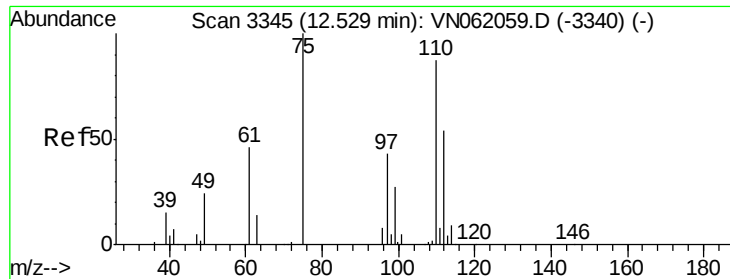
Tot Ion:173 Resp: 1438
Ion Ratio Lower Upper
173 100
175 474.7 24.7 74.1#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062198.D
Acq: 29 Jun 2020 19:20

Tgt Ion:152 Resp: 125175
Ion Ratio Lower Upper
152 100
115 60.3 29.5 88.5
150 158.4 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 26.011 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

Instrument :

MSVOA_N

ClientSampled :

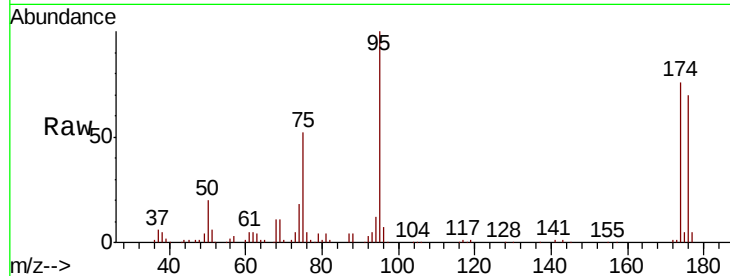
IBLK

Tot Ion: 75 Resp: 76648

Ion Ratio Lower Upper

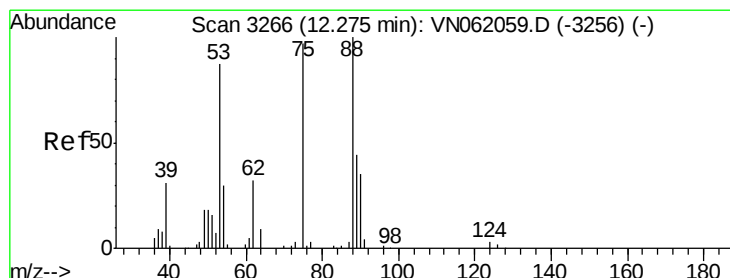
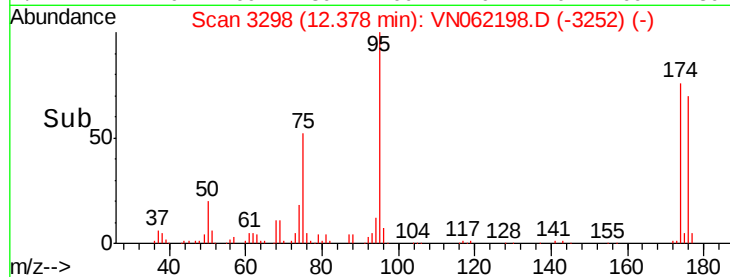
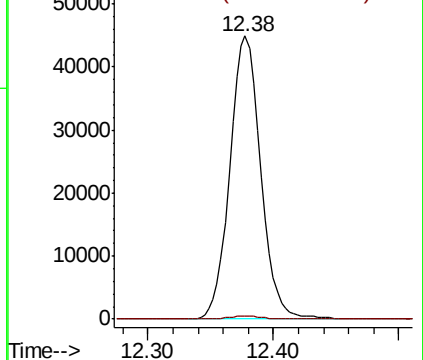
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.963 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062198.D

Acq: 29 Jun 2020 19:20

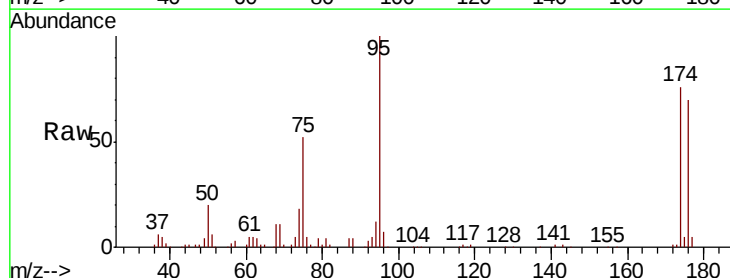
Tgt Ion: 75 Resp: 76648

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

