

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060364.D
 Acq On : 5 Mar 2020 14:13
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 06 00:45:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137801	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	125578	49.42	ug/l	0.00
Spiked Amount						
			Recovery	=	98.84%	
35) Dibromofluoromethane	7.56	113	89604	60.56	ug/l	0.00
Spiked Amount						
			Recovery	=	121.12%	
50) Toluene-d8	10.08	98	395009	52.75	ug/l	0.00
Spiked Amount						
			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	146549	51.63	ug/l	0.00
Spiked Amount						
			Recovery	=	103.26%	

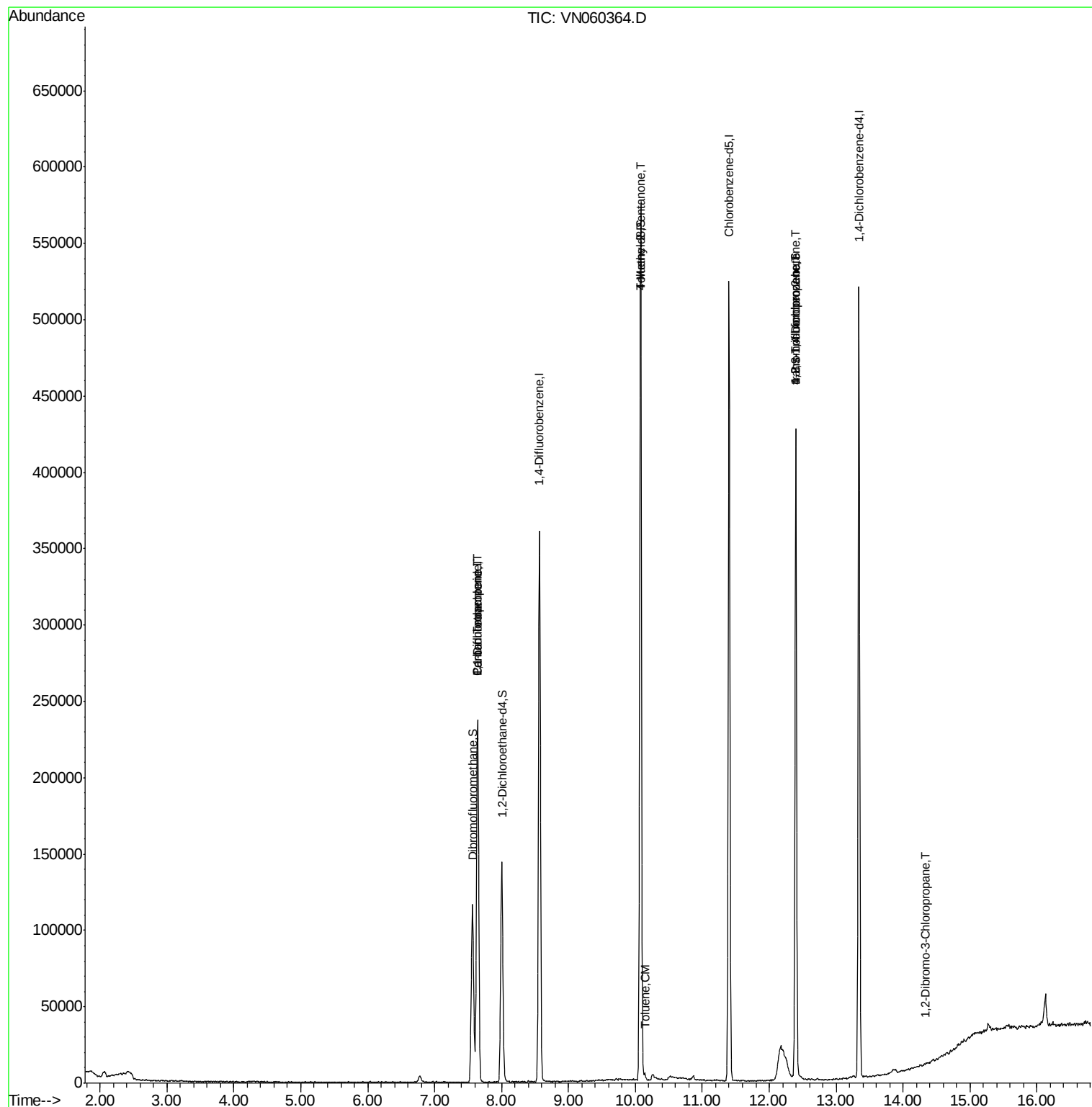
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.60	96	29	Below Cal	#	1
17) Carbon Disulfide	4.03	76	99	Below Cal	#	75
31) Cyclohexane	7.64	56	4492	Below Cal	#	10
36) 1,1-Dichloropropene	7.64	75	14969	4.928	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19026	6.433	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1800	0.630	ug/l #	1
52) Toluene	10.14	92	1730	0.311	ug/l	96
76) 1,2,3-Trichloropropane	12.40	75	76067	25.160	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76067	69.453	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	96	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	163	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	14.34	75	140	0.223	ug/l #	3
95) Naphthalene	15.13	128	675	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	160	Below Cal	#	12

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

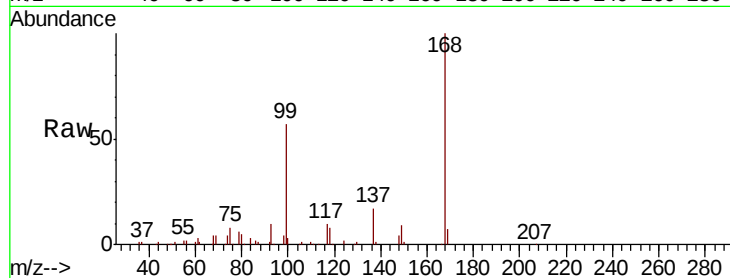
IBLK

Tot Ion:168 Resp: 198050

Ion Ratio Lower Upper

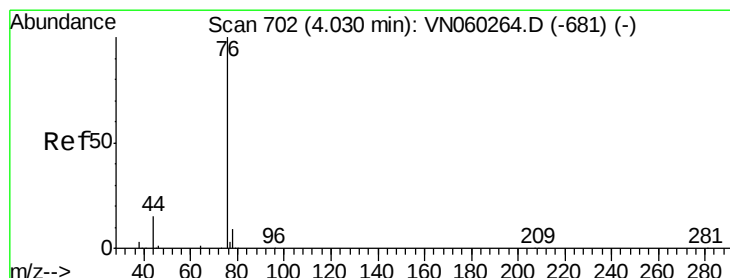
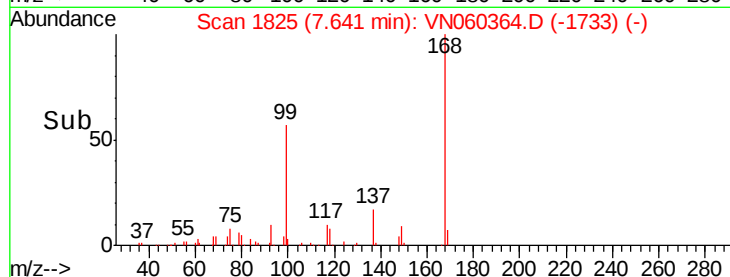
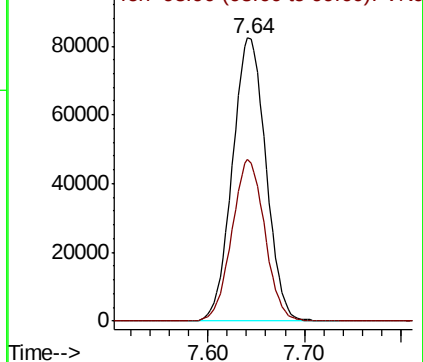
168 100

99 57.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060364.D

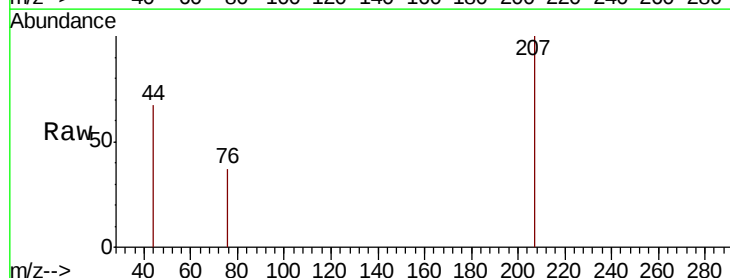
Acq: 5 Mar 2020 14:13

Tgt Ion: 76 Resp: 99

Ion Ratio Lower Upper

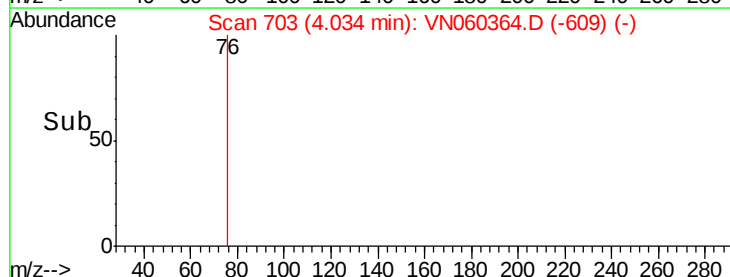
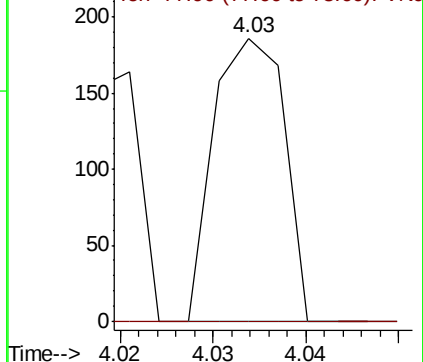
76 100

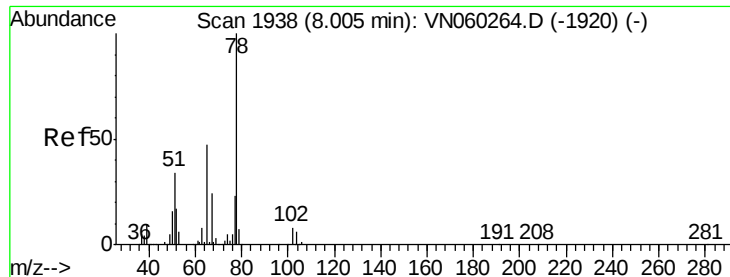
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN

Ion 77.90 (77.60 to 78.60): VN





#33

1,2-Dichloroethane-d4

Concen: 49.420 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

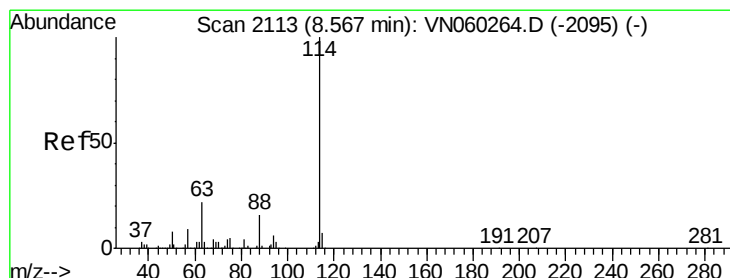
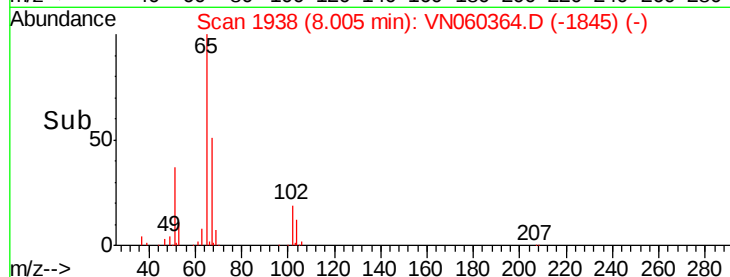
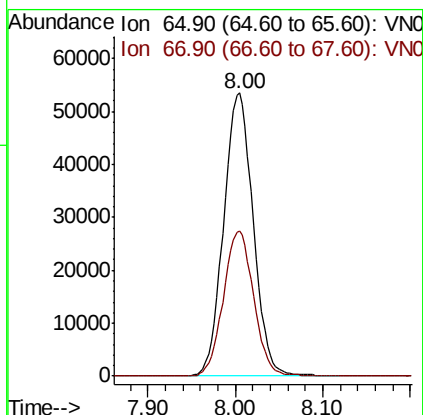
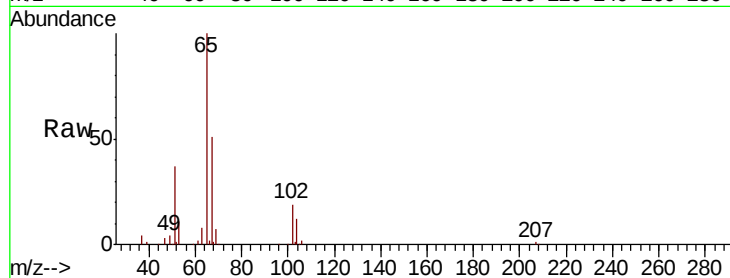
IBLK

Tot Ion: 65 Resp: 125578

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

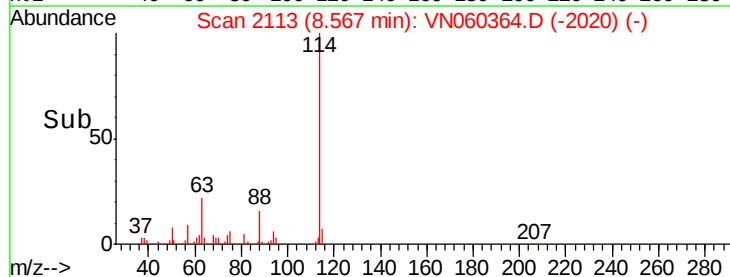
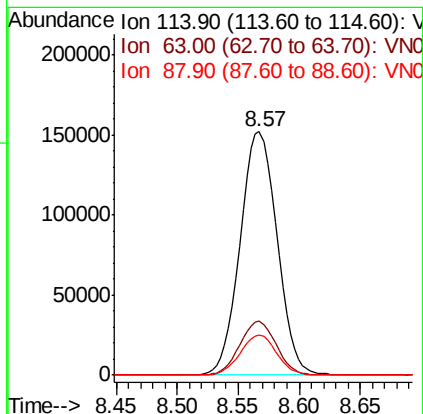
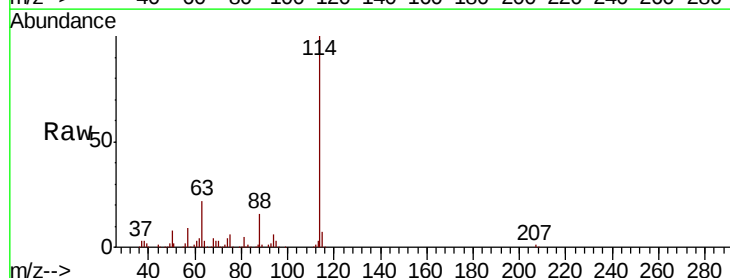
Tgt Ion: 114 Resp: 318745

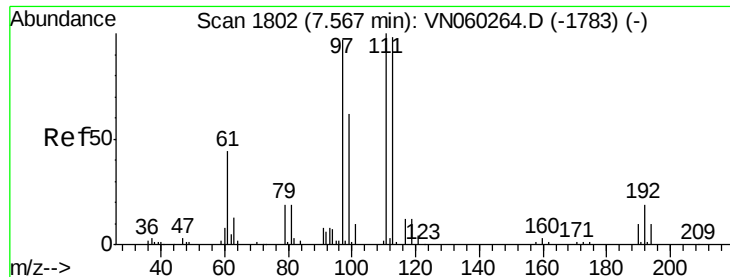
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 60.563 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

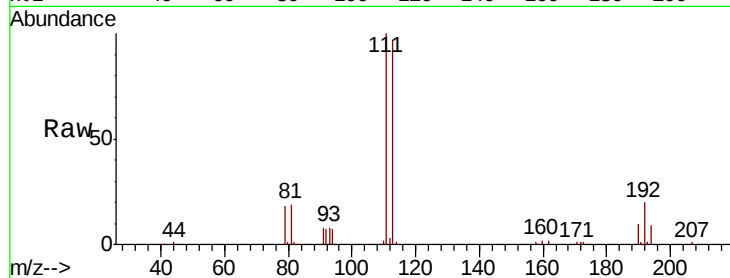
Tot Ion:113 Resp: 89604

Ion Ratio Lower Upper

113 100

111 104.6 82.4 123.6

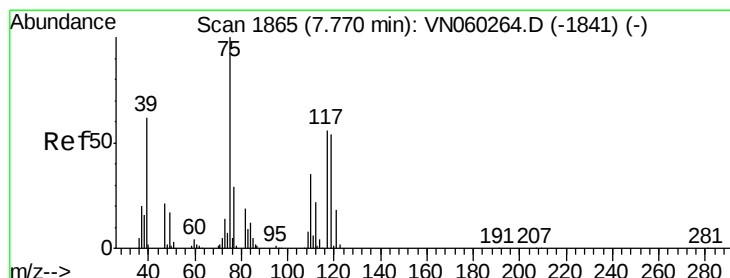
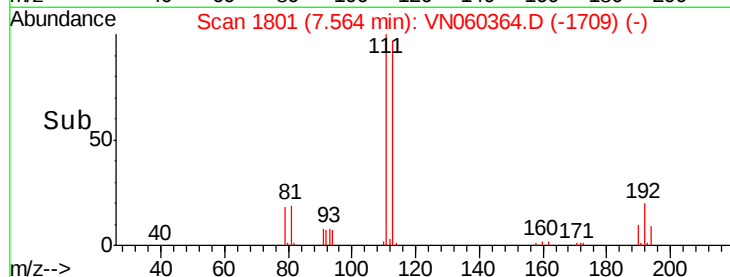
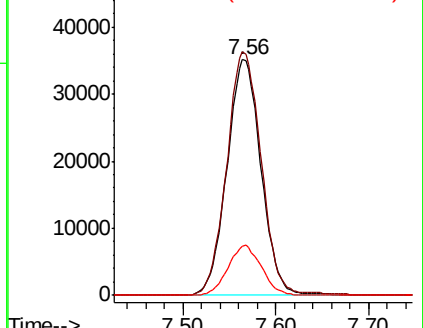
192 20.6 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.928 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

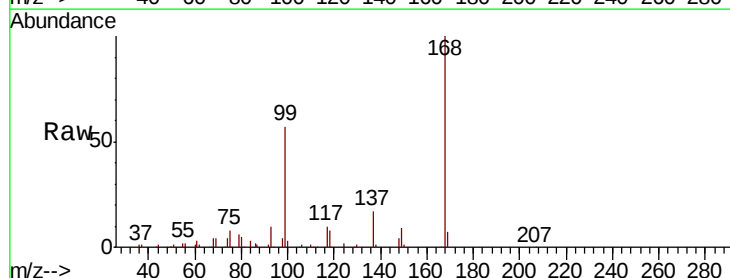
Tgt Ion: 75 Resp: 14969

Ion Ratio Lower Upper

75 100

110 7.1 17.3 52.0#

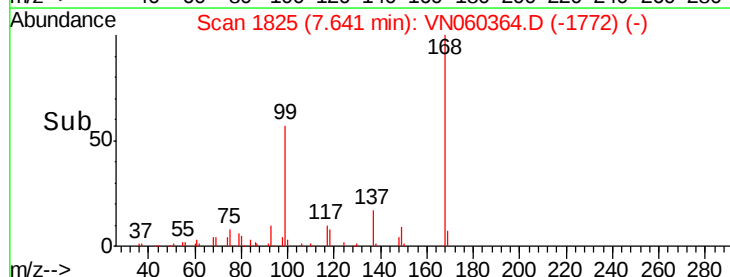
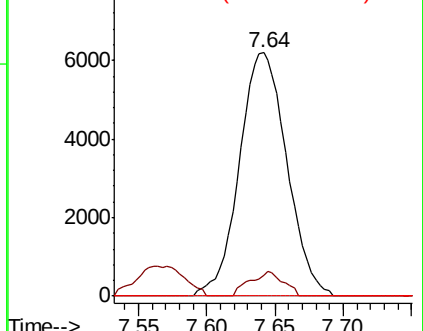
77 0.0 24.2 36.2#

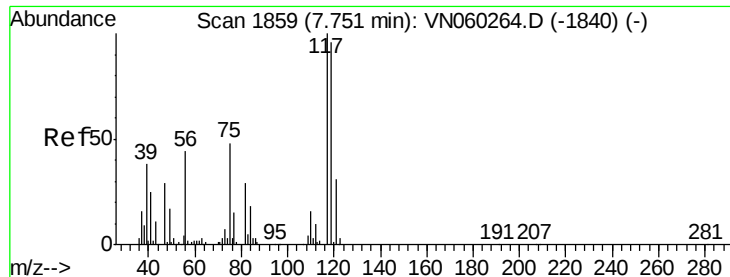


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.433 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

IBLK

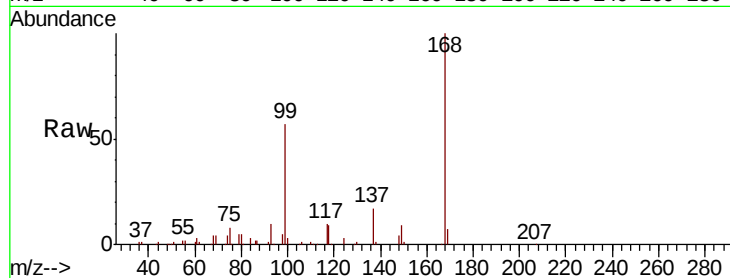
Tot Ion:117 Resp: 19026

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

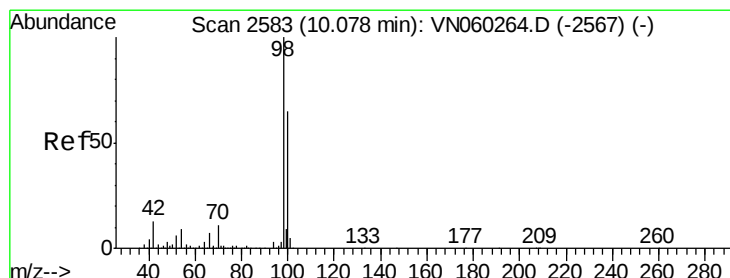
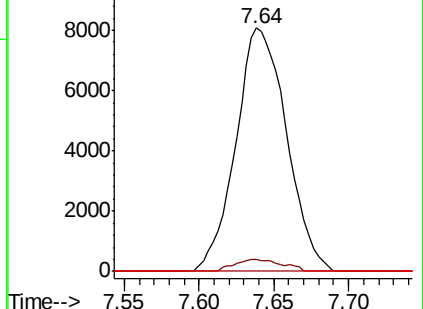
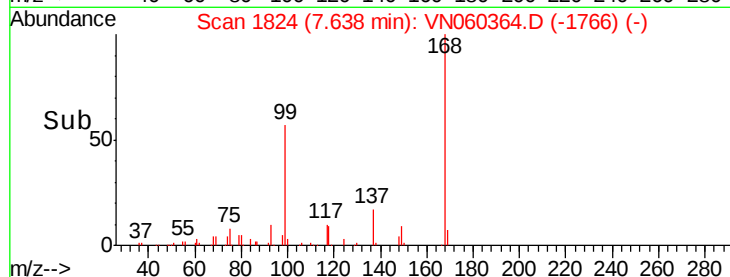
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 52.752 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060364.D

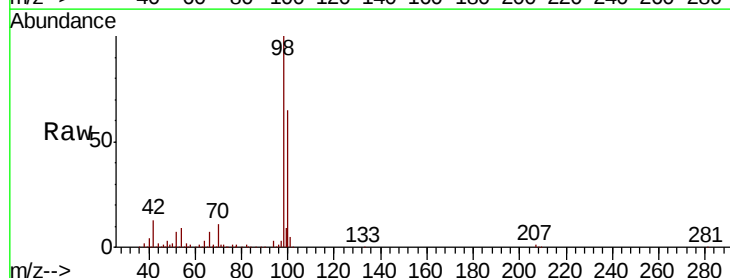
Acq: 5 Mar 2020 14:13

Tgt Ion: 98 Resp: 395009

Ion Ratio Lower Upper

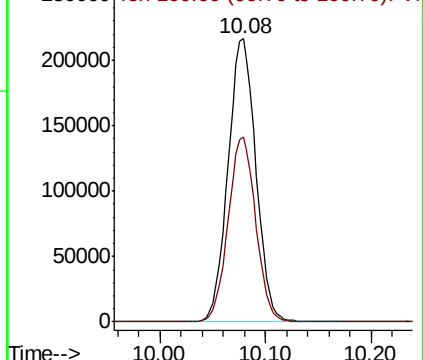
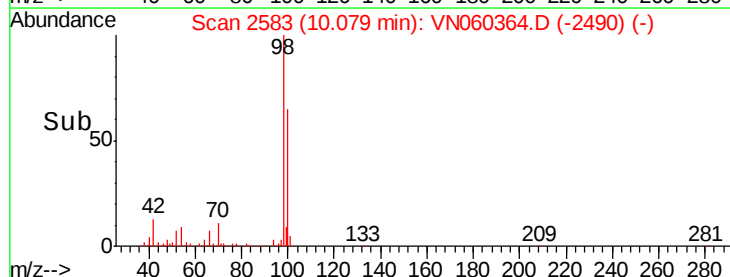
98 100

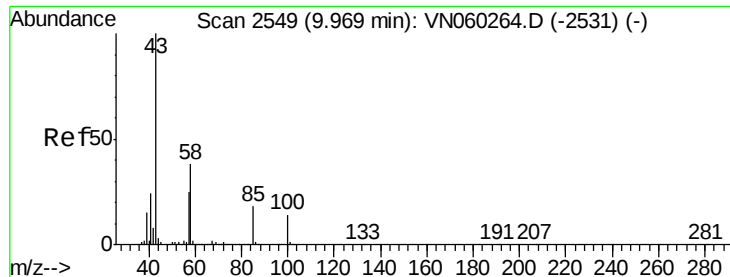
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.630 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

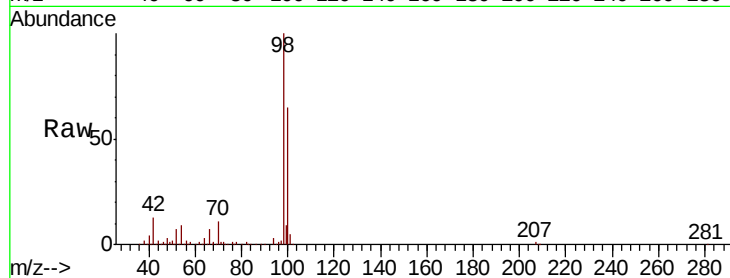
IBLK

Tot Ion: 43 Resp: 1800

Ion Ratio Lower Upper

43 100

58 185.0 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060364.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060364.D (-2531) (-)

2000

1500

1000

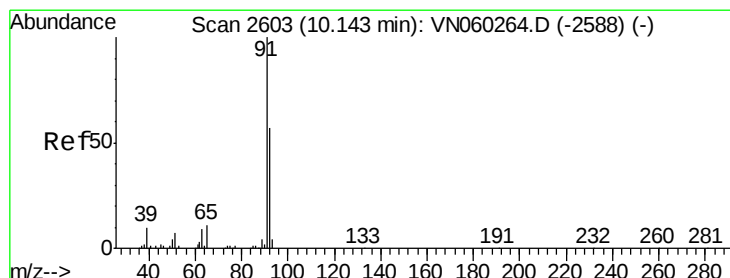
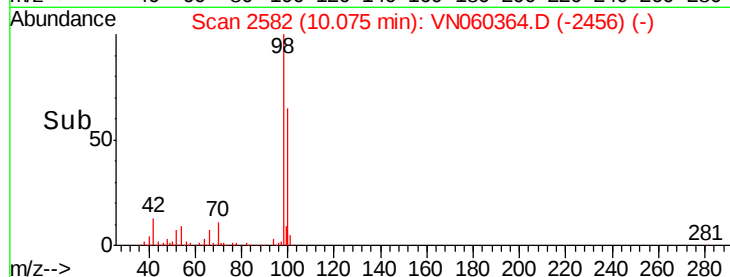
500

0

10.05

10.10

Time-->



#52

Toluene

Concen: 0.311 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060364.D

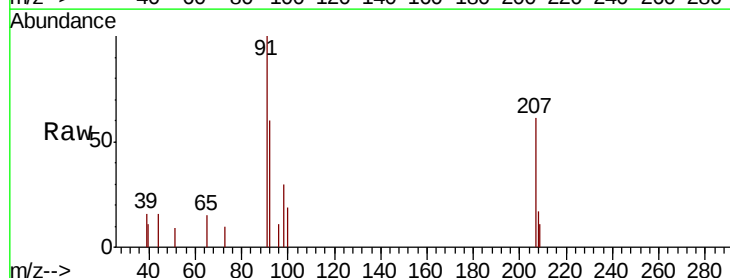
Acq: 5 Mar 2020 14:13

Tgt Ion: 92 Resp: 1730

Ion Ratio Lower Upper

92 100

91 177.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060364.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060364.D (-2588) (-)

2000

1500

1000

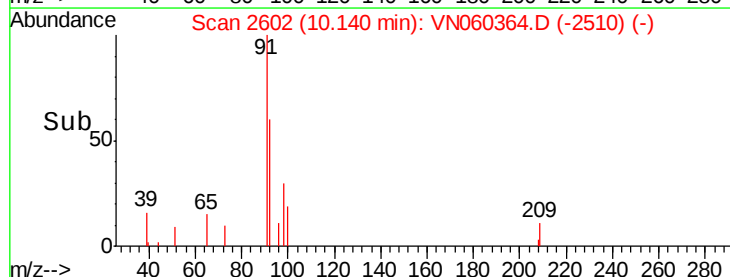
500

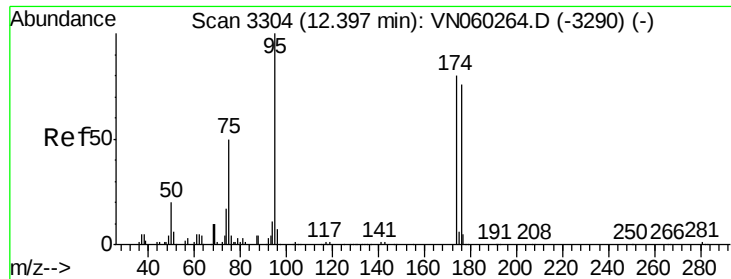
0

10.10

10.15

Time-->





#62

4-Bromofluorobenzene

Concen: 51.629 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

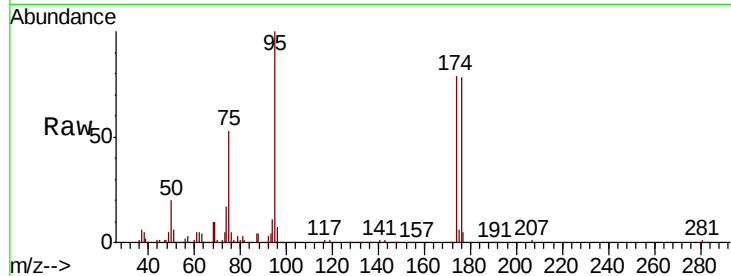
Tot Ion: 95 Resp: 146549

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.2

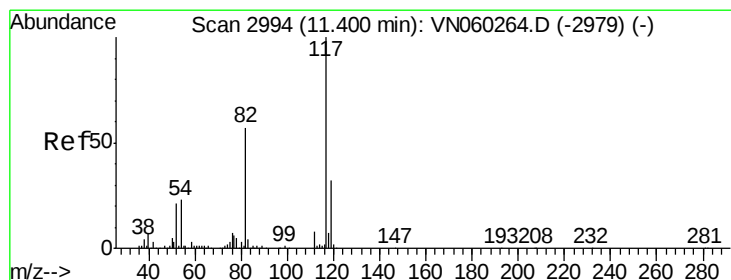
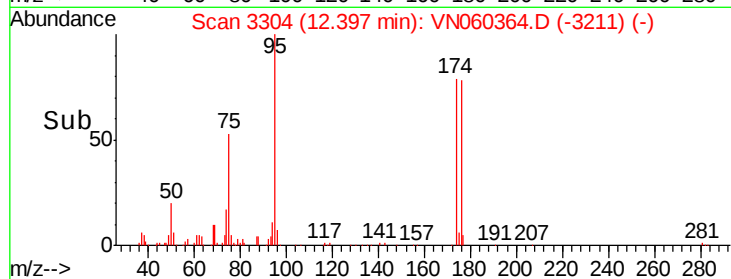
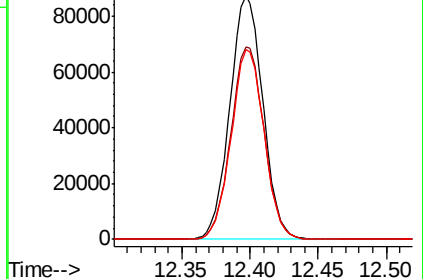
176 77.9 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060364.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060364.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060364.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

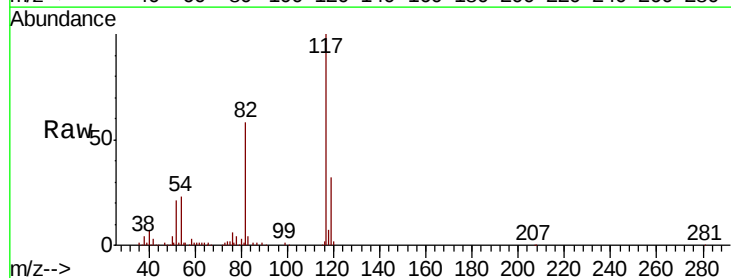
Tgt Ion: 117 Resp: 298128

Ion Ratio Lower Upper

117 100

82 57.6 45.8 68.6

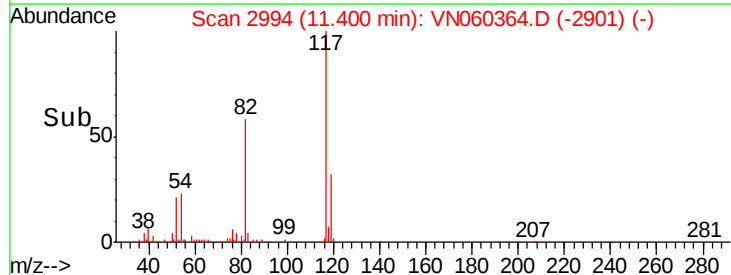
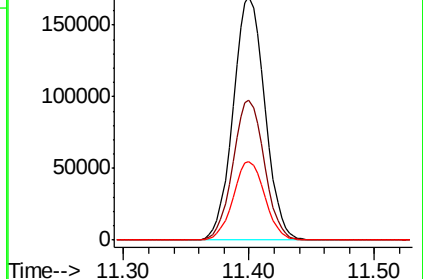
119 32.4 25.8 38.8

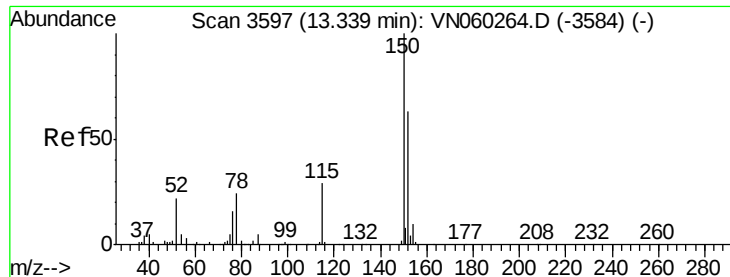


Abundance Ion 116.90 (116.60 to 117.60): VN060364.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060364.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060364.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

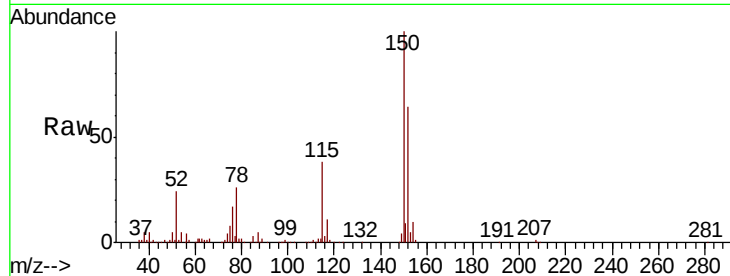
Tot Ion:152 Resp: 137801

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

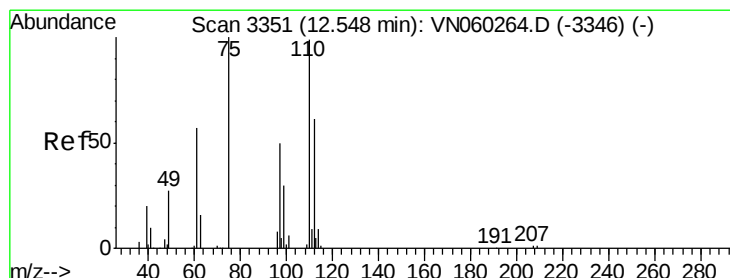
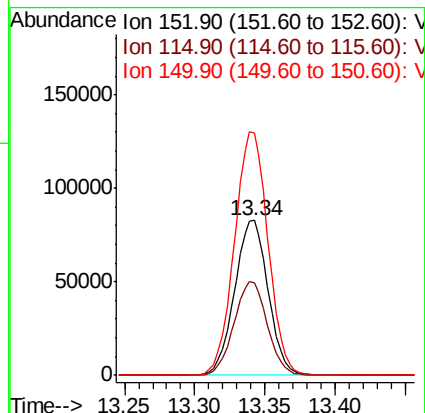
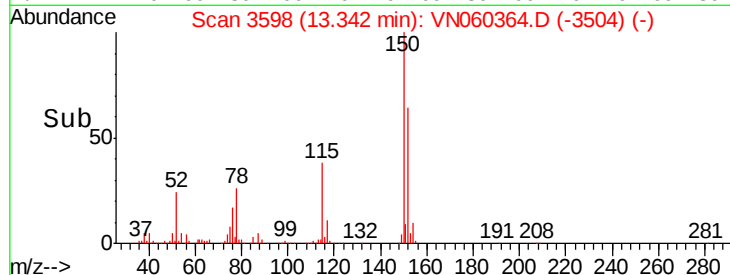
150 157.6 0.0 349.6



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: 25.160 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060364.D

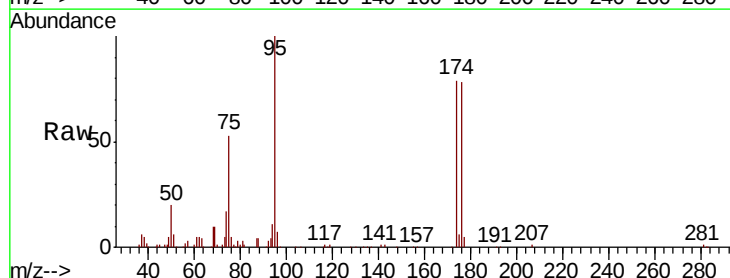
Acq: 5 Mar 2020 14:13

Tgt Ion: 75 Resp: 76067

Ion Ratio Lower Upper

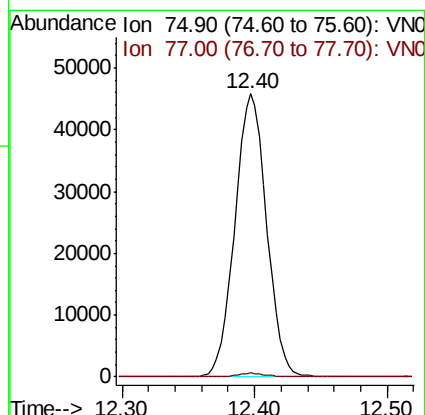
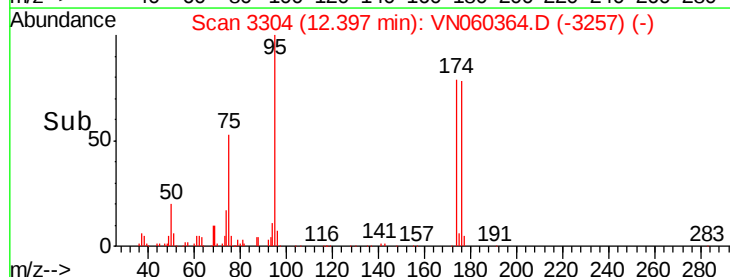
75 100

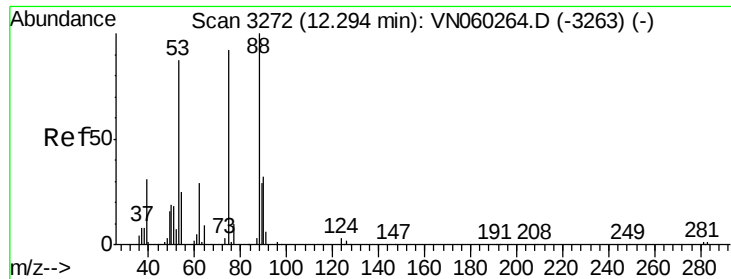
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

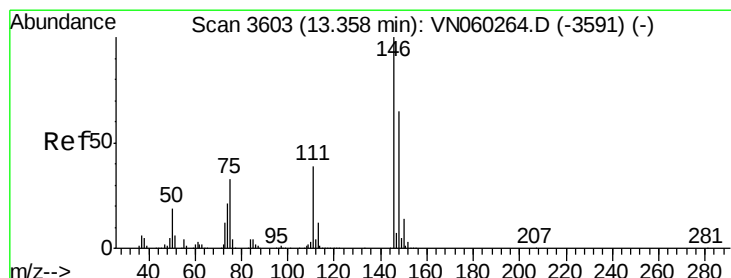
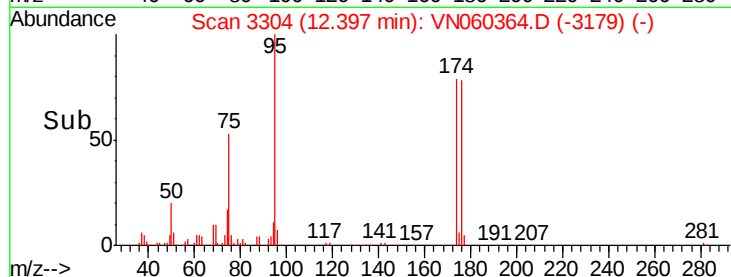
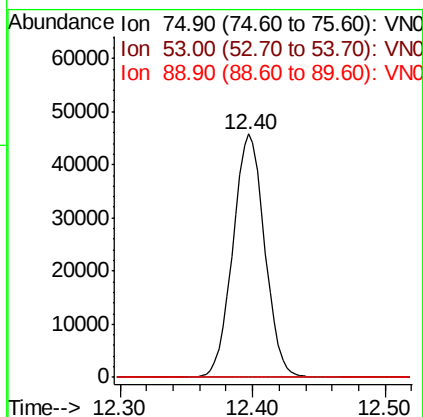
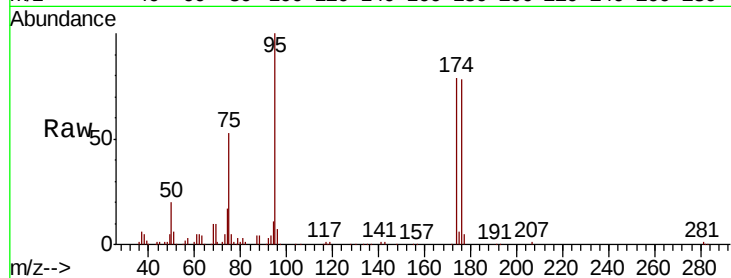




#81
trans-1,4-Dichloro-2-butene
Concen: 69.453 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060364.D
Acq: 5 Mar 2020 14:13

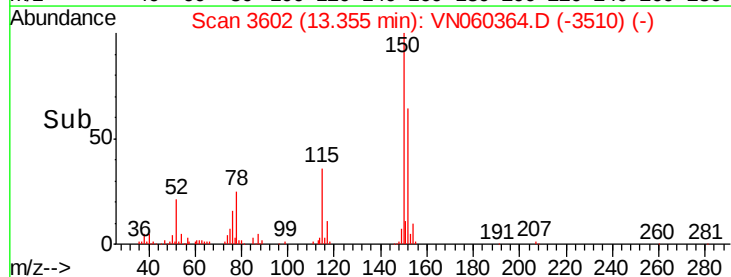
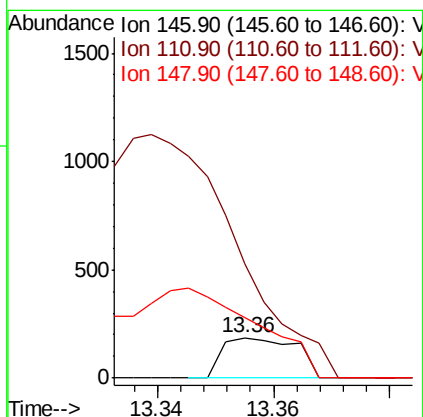
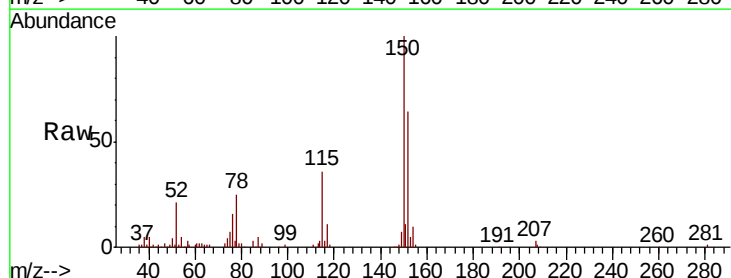
Instrument :
MSVOA_N
ClientSampleId :
IBLK

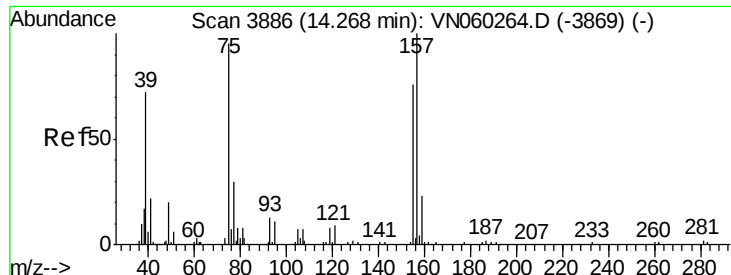
Tot Ion: 75 Resp: 76067
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3602
Delta R.T. -0.00 min
Lab File: VN060364.D
Acq: 5 Mar 2020 14:13

Tgt Ion: 146 Resp: 163
Ion Ratio Lower Upper
146 100
111 1219.0 19.8 59.4#
148 450.3 32.3 96.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.223 ug/l

RT: 14.34 min Scan# 3907

Delta R.T. 0.07 min

Lab File: VN060364.D

Acq: 5 Mar 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

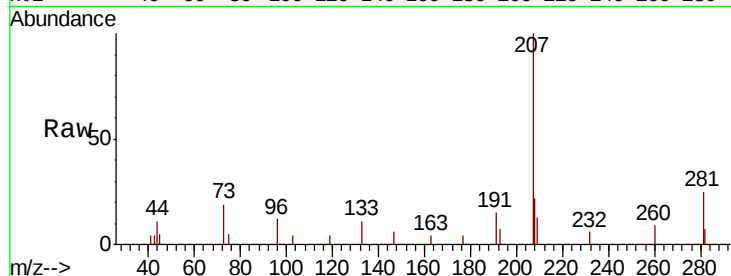
Tot Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

157 0.0 52.5 157.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

