

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060318.D
 Acq On : 3 Mar 2020 10:31
 Operator : JC/MD
 Sample : VN0303WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:11:30 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	197807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130996	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	125851	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	7.57	113	87056	58.91	ug/l	0.00
Spiked Amount			Recovery	=	117.82%	
50) Toluene-d8	10.08	98	389432	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.40	95	138701	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

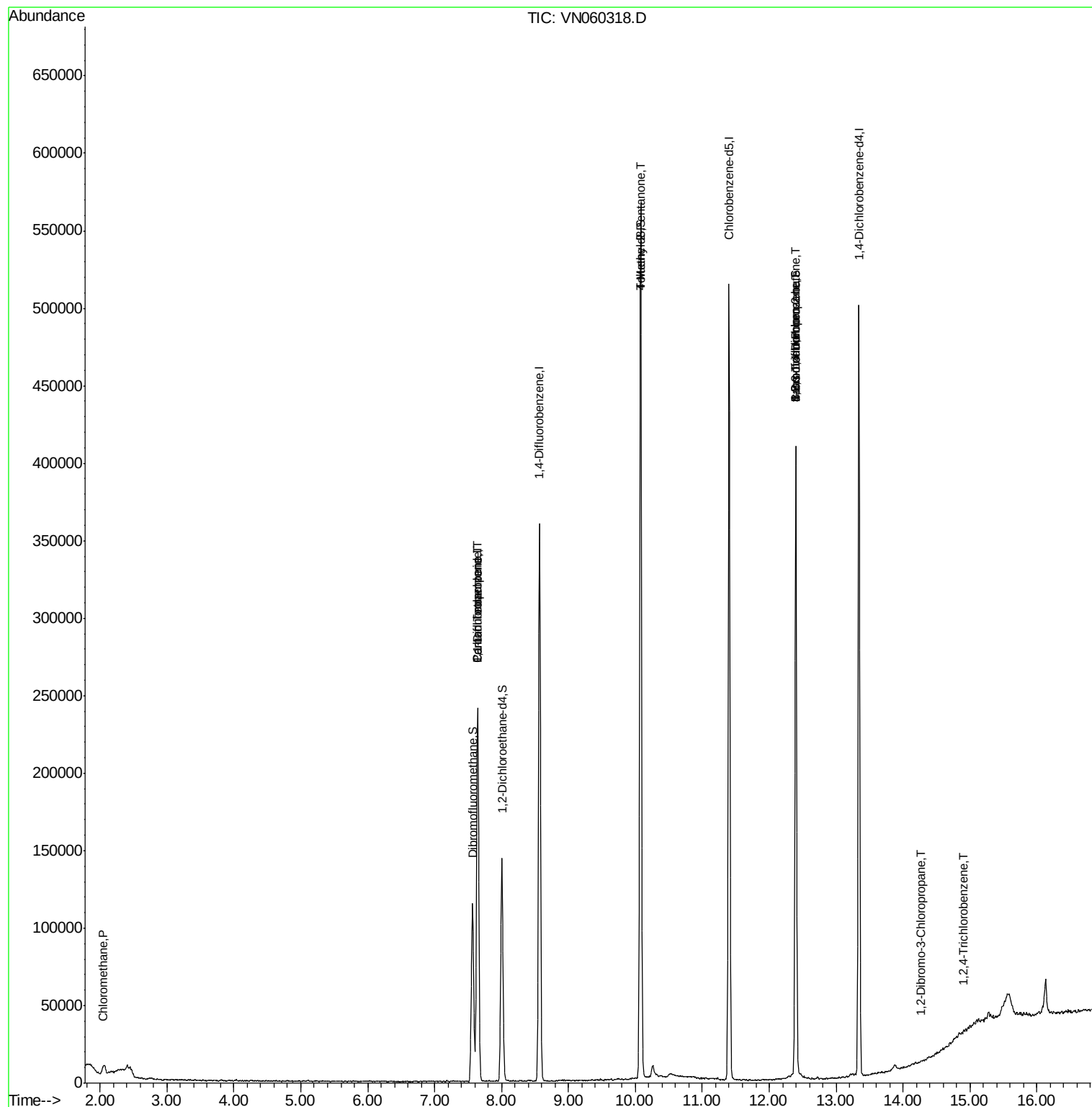
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1264	0.400	ug/l	99
12) 1,1-Dichloroethene	3.97	96	66	Below Cal	#	1
17) Carbon Disulfide	4.03	76	498	Below Cal	#	75
31) Cyclohexane	7.64	56	4416	Below Cal	#	20
36) 1,1-Dichloropropene	7.64	75	15442	5.089	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18732	6.340	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1933	0.678	ug/l #	1
71) Bromoform	12.40	173	1003	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	72722	25.303	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72722	69.848	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	203	Below Cal	#	60
88) 1,4-Dichlorobenzene	13.36	146	263	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropropan	14.27	75	217	0.363	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.90	180	355	0.222	ug/l #	86
95) Naphthalene	15.13	128	1335	Below Cal	#	69

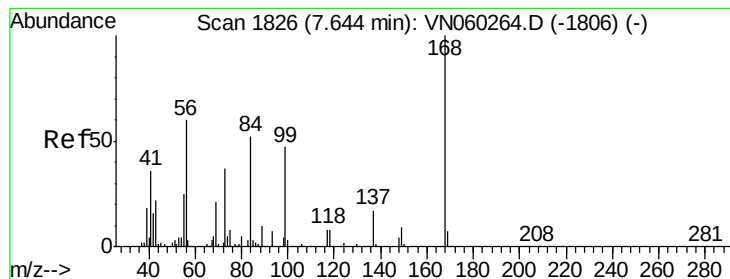
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

Instrument :

MSVOA_N

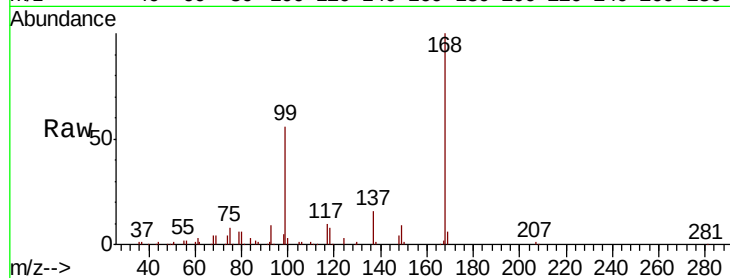
ClientSampleId :

Tot Ion:168 Resp: 197807

Ion Ratio Lower Upper

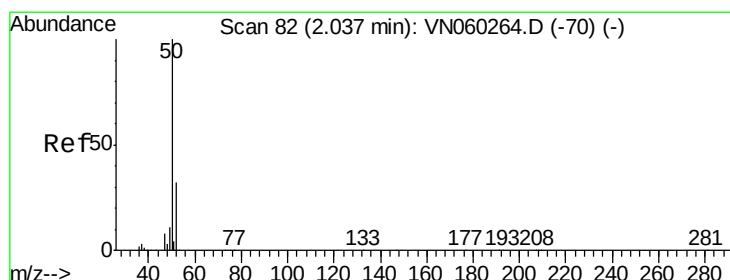
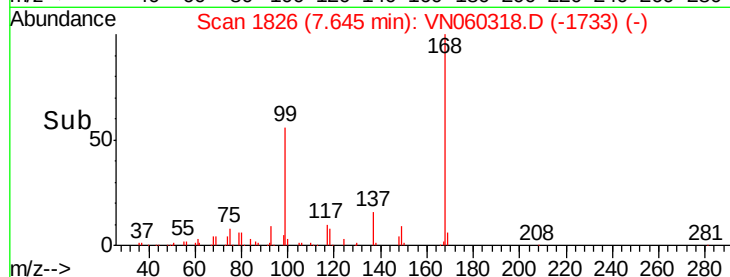
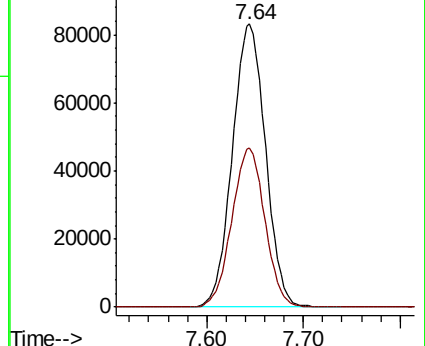
168 100

99 56.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.400 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060318.D

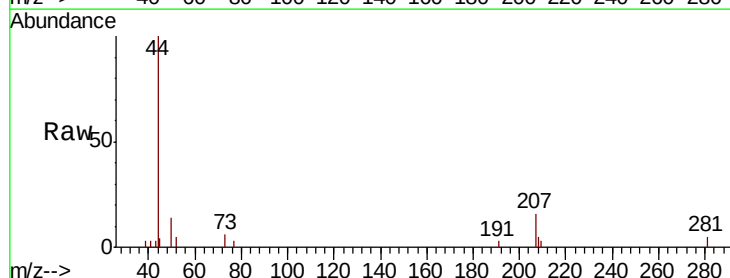
Acq: 3 Mar 2020 10:31

Tgt Ion: 50 Resp: 1264

Ion Ratio Lower Upper

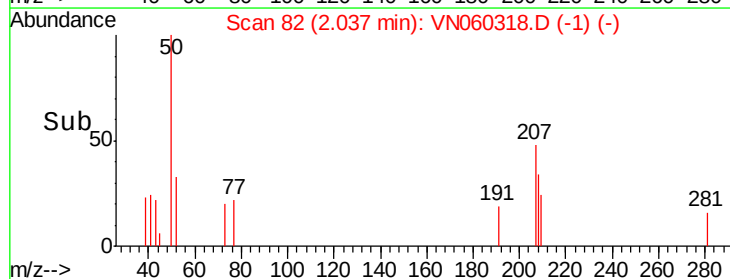
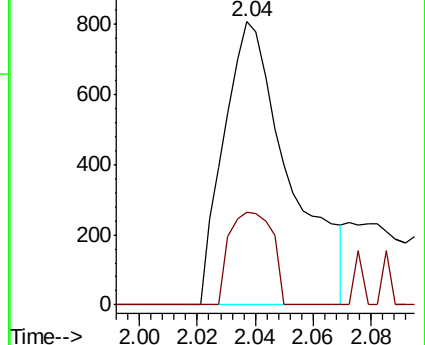
50 100

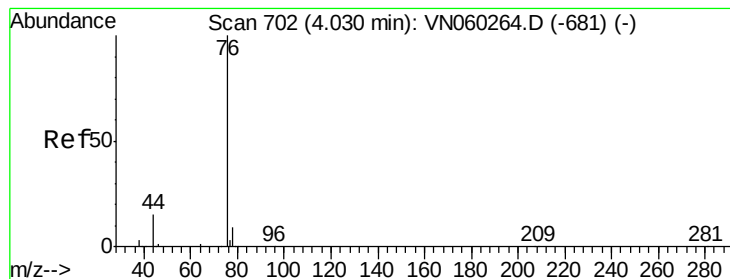
52 32.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

Instrument :

MSVOA_N

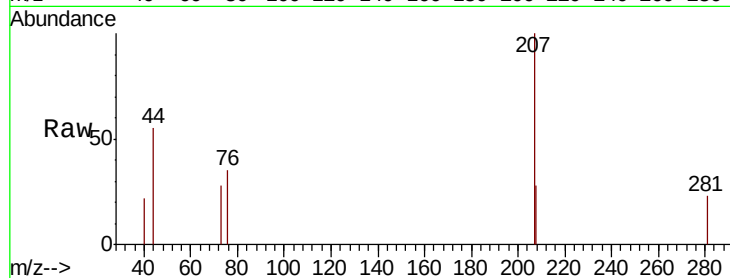
ClientSampleId :

Tot Ion: 76 Resp: 498

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

250

200

150

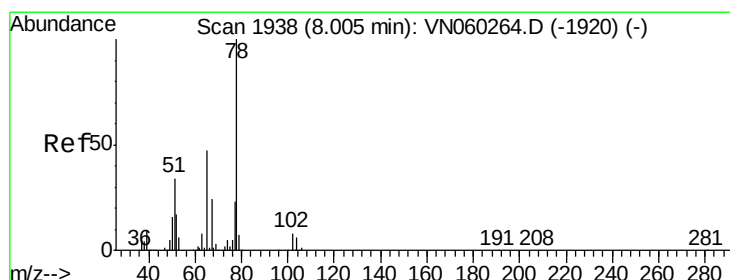
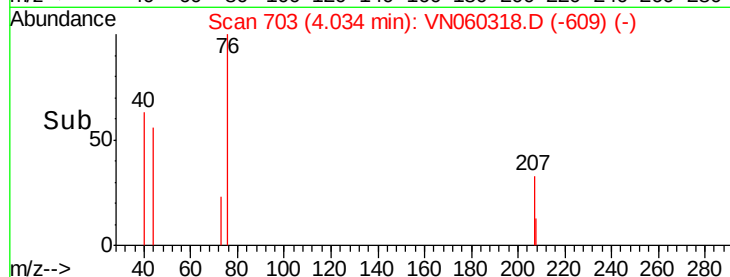
100

50

0

Time-->

4.00 4.02 4.04 4.06



#33

1,2-Dichloroethane-d4

Concen: 49.589 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060318.D

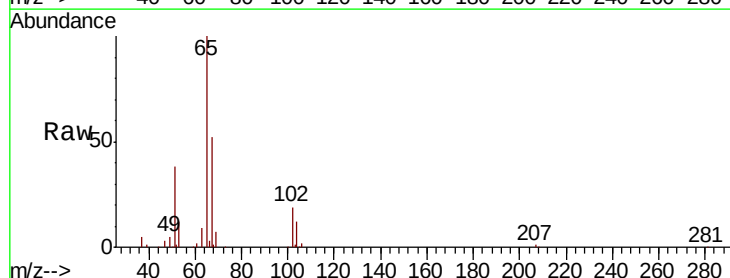
Acq: 3 Mar 2020 10:31

Tgt Ion: 65 Resp: 125851

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

60000

50000

40000

30000

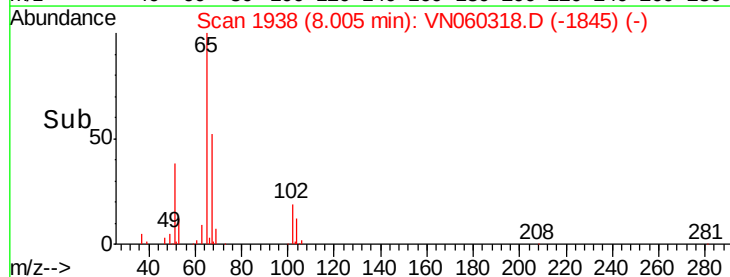
20000

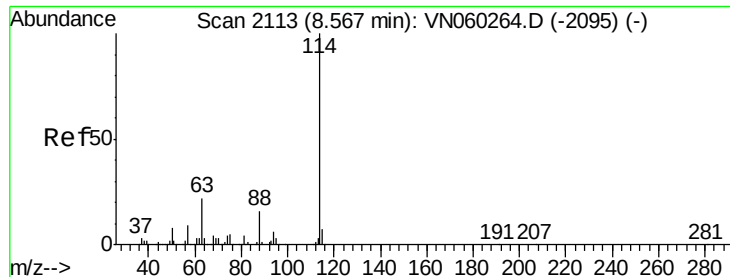
10000

0

Time-->

7.90 8.00 8.10

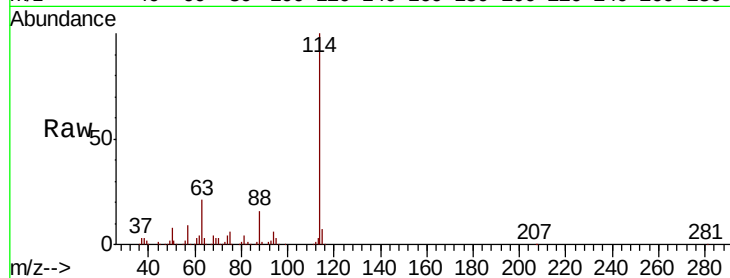




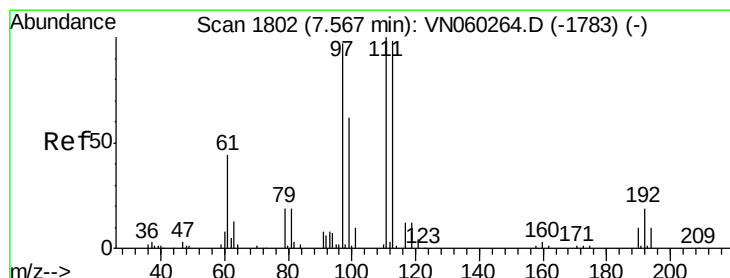
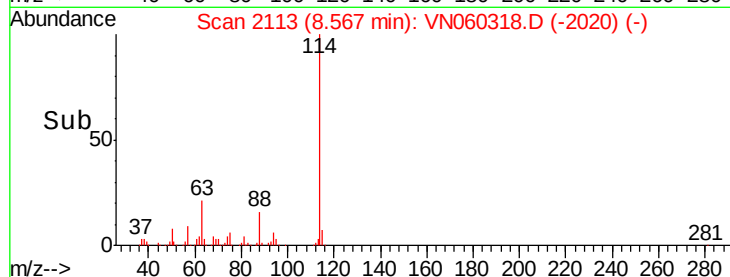
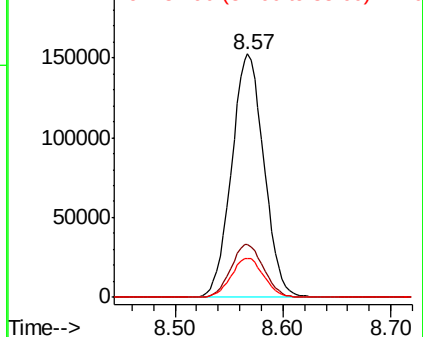
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060318.D
 Acq: 3 Mar 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	16.2	0.0	31.6

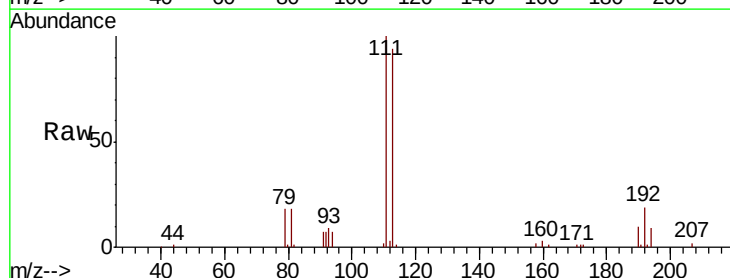


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

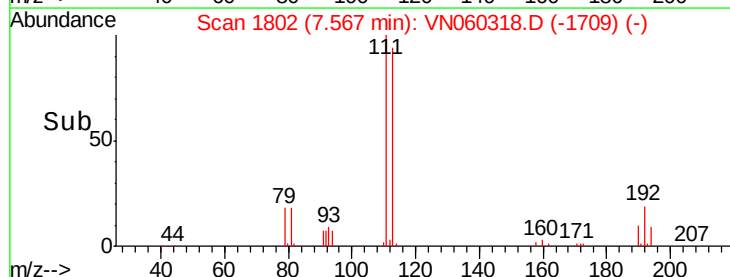
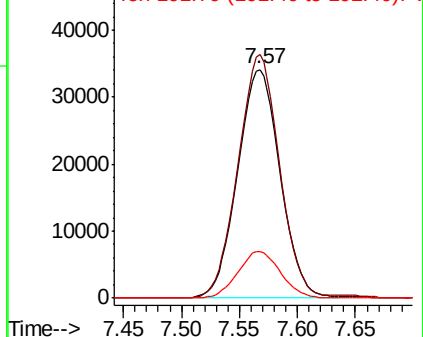


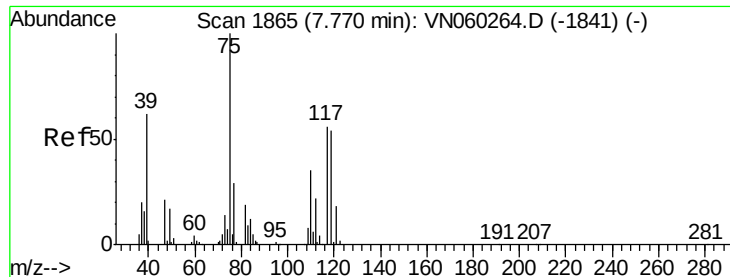
#35
 Dibromofluoromethane
 Concen: 58.906 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060318.D
 Acq: 3 Mar 2020 10:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	20.4	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: 5.089 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

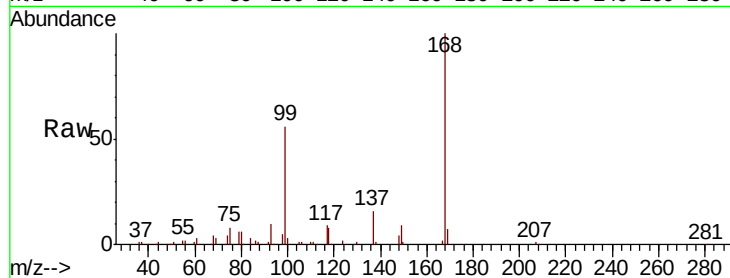
Tot Ion: 75 Resp: 15442

Ion Ratio Lower Upper

75 100

110 7.9 17.3 52.0#

77 0.0 24.2 36.2#

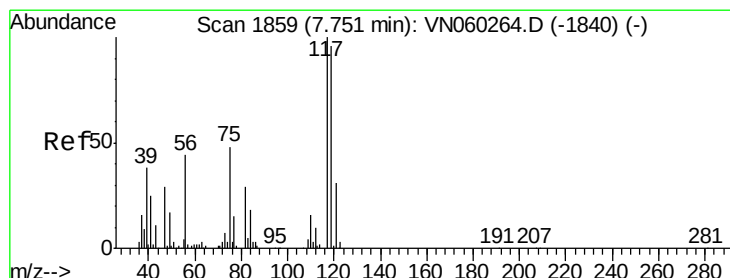
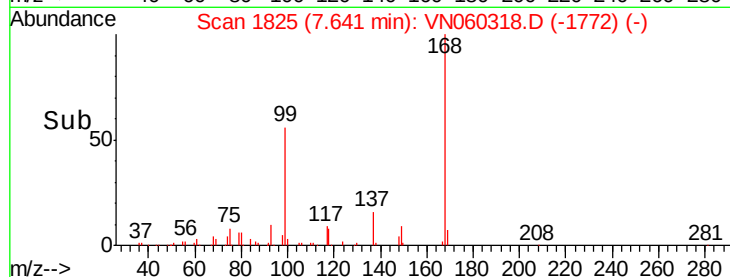


Abundance Ion 74.90 (74.60 to 75.60): VN060318.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060318.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060318.D (-1772) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.340 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

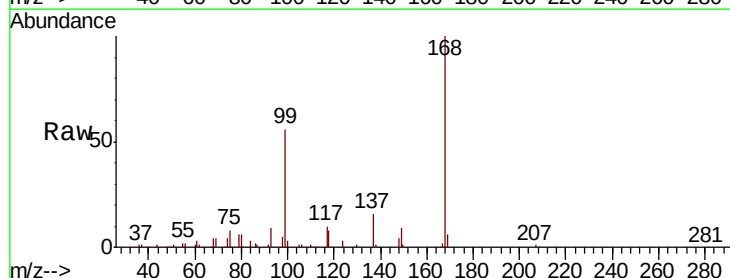
Tgt Ion: 117 Resp: 18732

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

121 0.0 24.5 36.7#

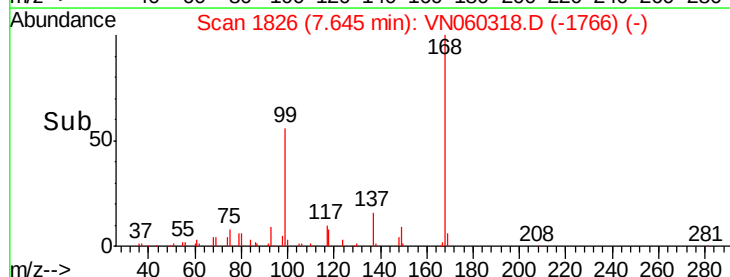


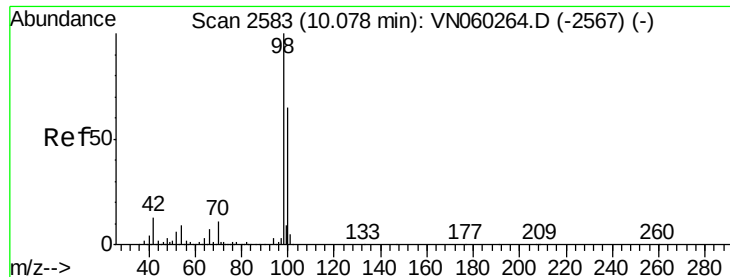
Abundance Ion 116.80 (116.50 to 117.50): VN060318.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060318.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060318.D (-1766) (-)

Time-->





#50

Toluene-d8

Concen: 52.065 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

Instrument :

MSVOA_N

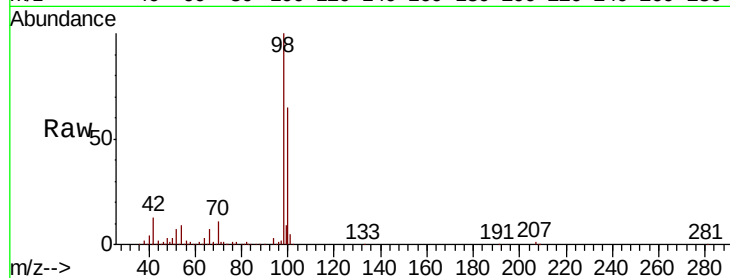
ClientSampleId :

Tot Ion: 98 Resp: 389432

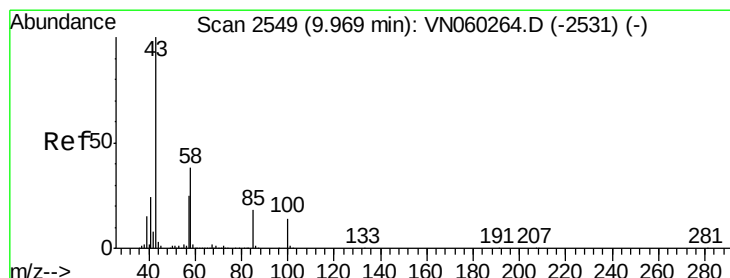
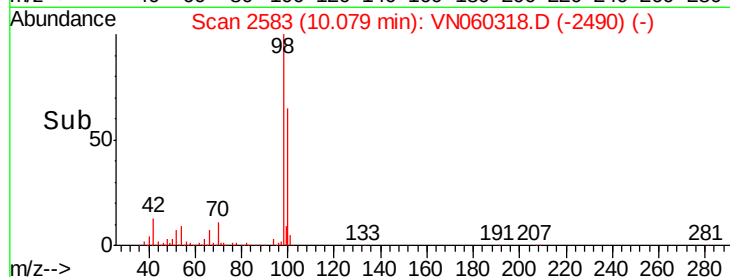
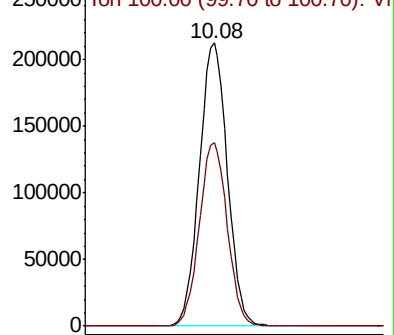
Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060318.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.678 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060318.D

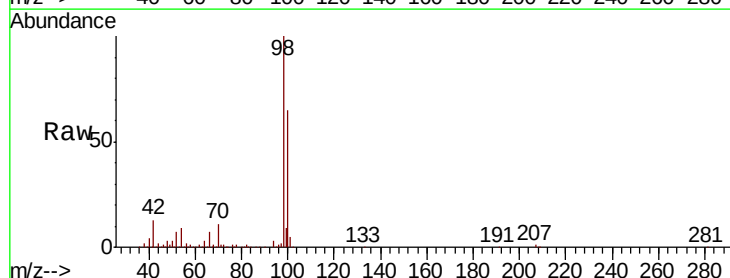
Acq: 3 Mar 2020 10:31

Tgt Ion: 43 Resp: 1933

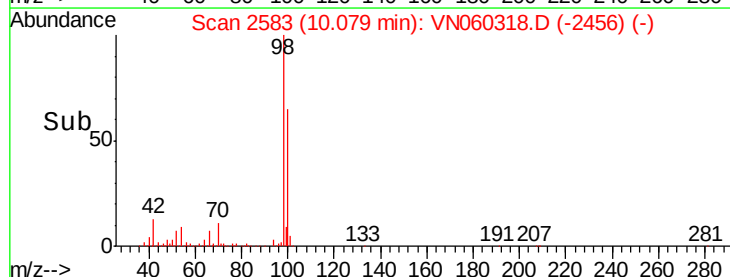
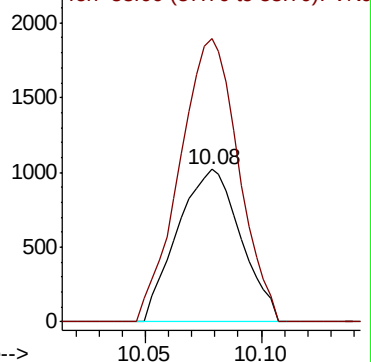
Ion Ratio Lower Upper

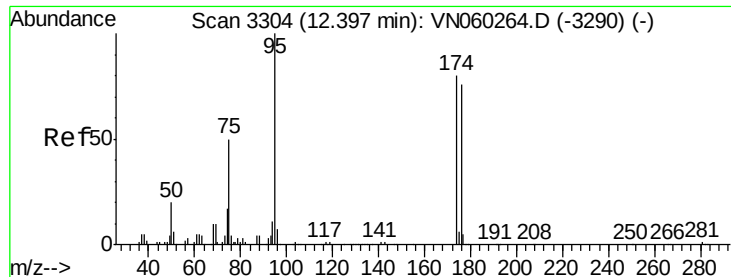
43 100

58 172.7 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060318.D (-2456) (-)





#62

4-Bromofluorobenzene

Concen: 48.918 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

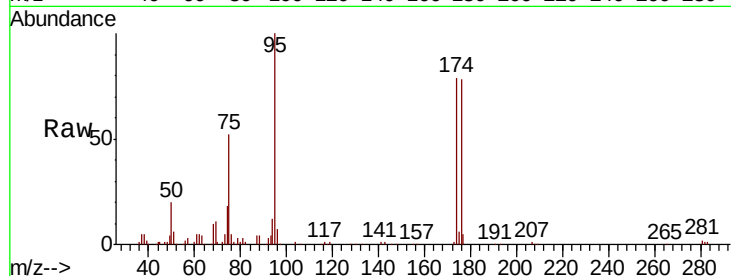
Tot Ion: 95 Resp: 138701

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.2

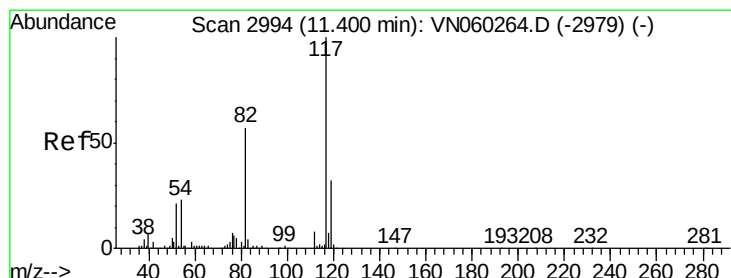
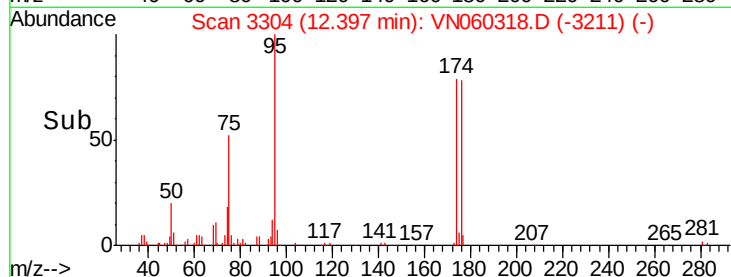
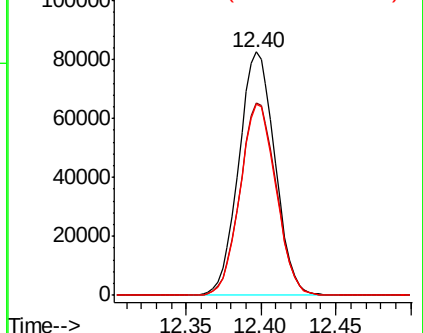
176 78.1 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060318.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060318.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060318.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

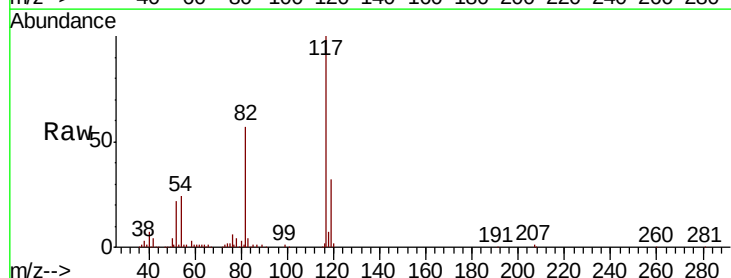
Tgt Ion: 117 Resp: 288695

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.6

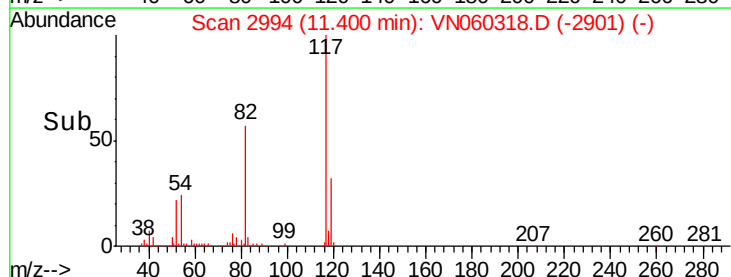
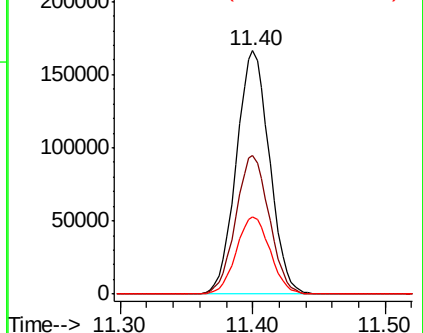
119 31.8 25.8 38.8

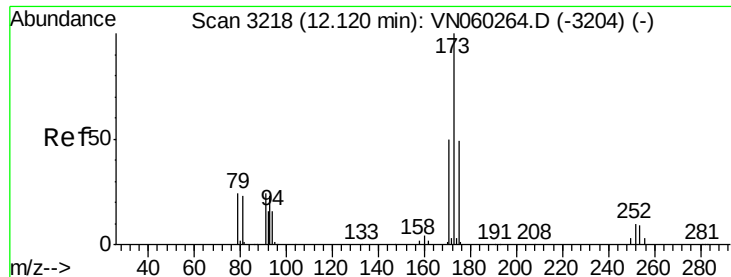


Abundance Ion 116.90 (116.60 to 117.60): VN060318.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060318.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060318.D (-2901) (-)





#71

Bromoform

Concen: 0.646 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

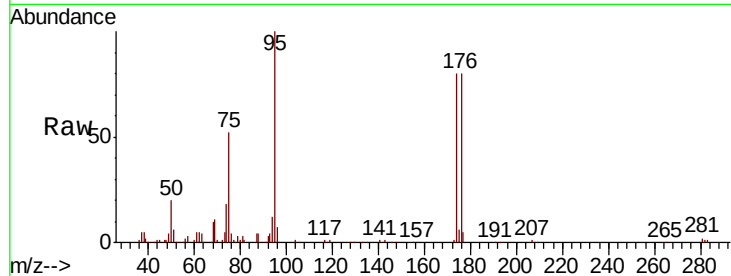
Tot Ion:173 Resp: 1003

Ion Ratio Lower Upper

173 100

175 658.1 24.1 72.2#

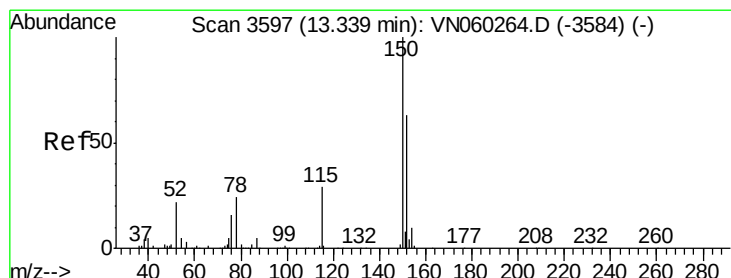
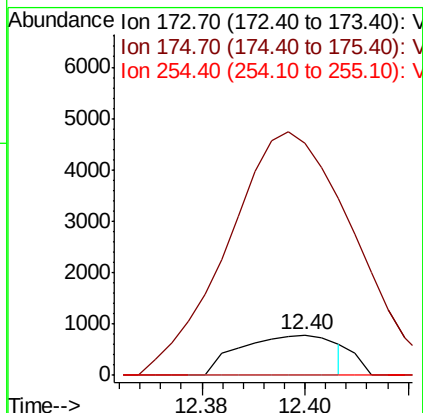
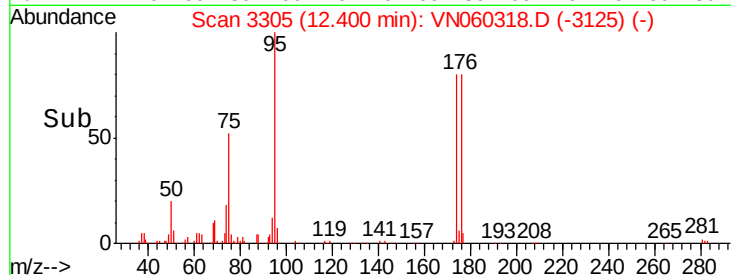
254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

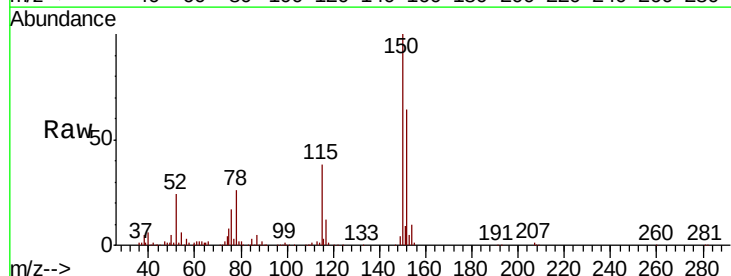
Tgt Ion:152 Resp: 130996

Ion Ratio Lower Upper

152 100

115 58.2 30.0 90.0

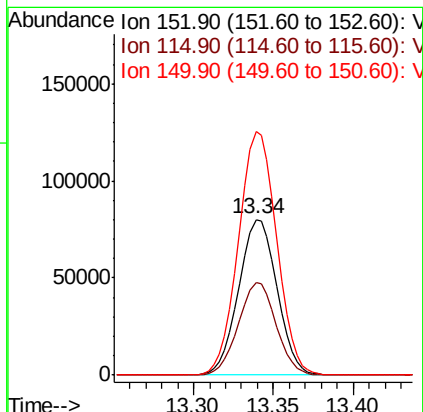
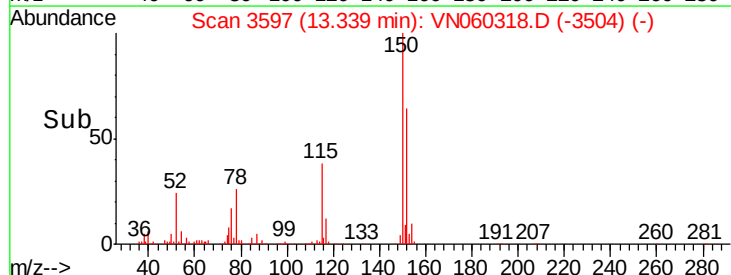
150 155.7 0.0 349.6

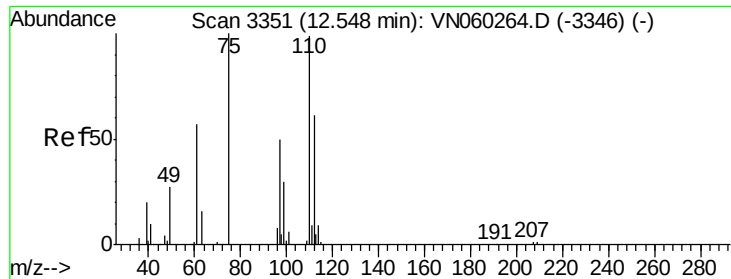


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

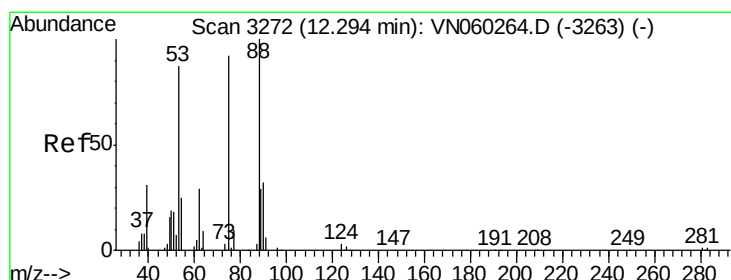
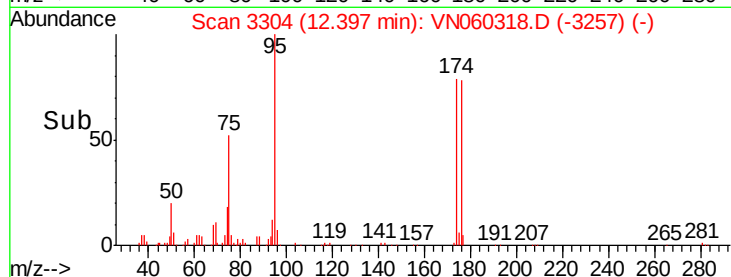
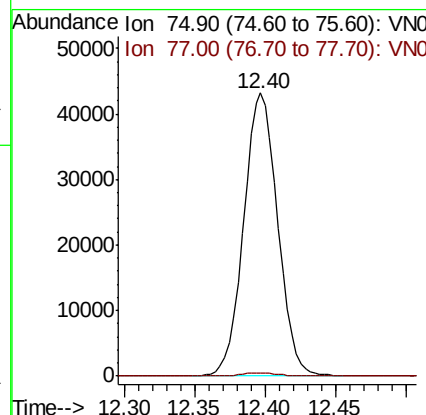
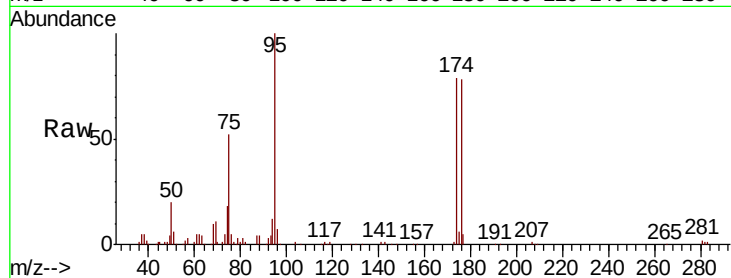




#76
 1,2,3-Trichloropropane
 Concen: 25.303 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060318.D
 Acq: 3 Mar 2020 10:31

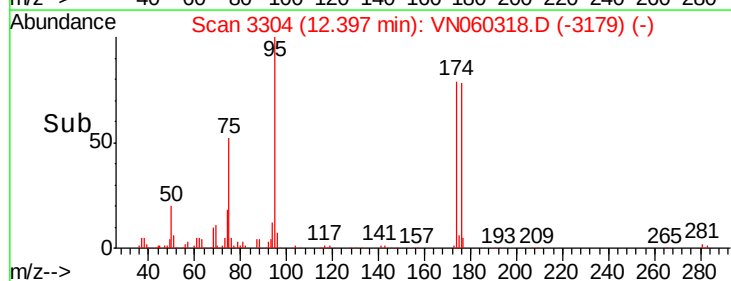
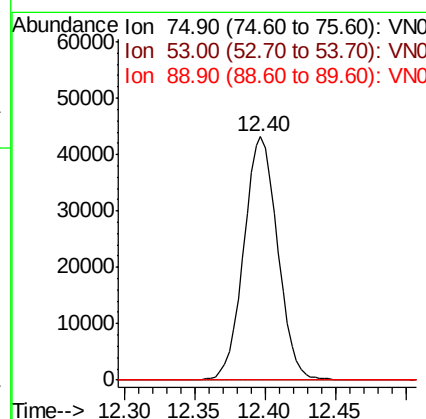
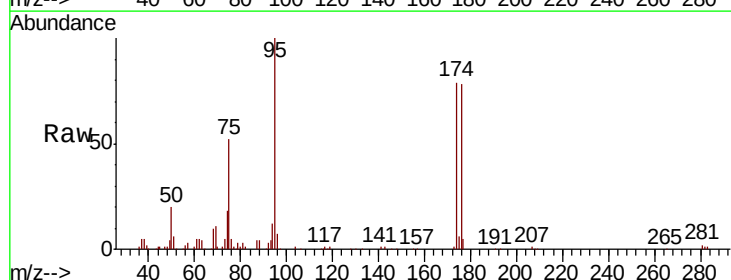
Instrument :
 MSVOA_N
 ClientSampleId :

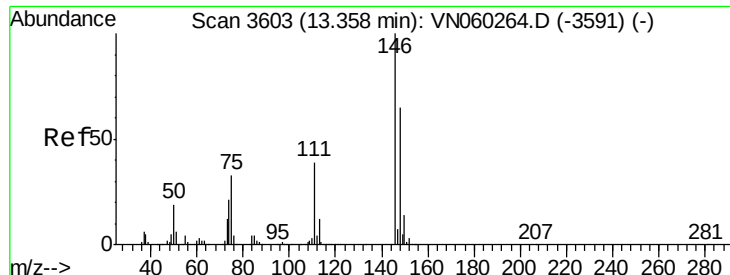
Tot Ion: 75 Resp: 72722
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.848 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060318.D
 Acq: 3 Mar 2020 10:31

Tgt Ion: 75 Resp: 72722
 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# 3603

Delta R.T. 0.00 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

Instrument :

MSVOA_N

ClientSampled :

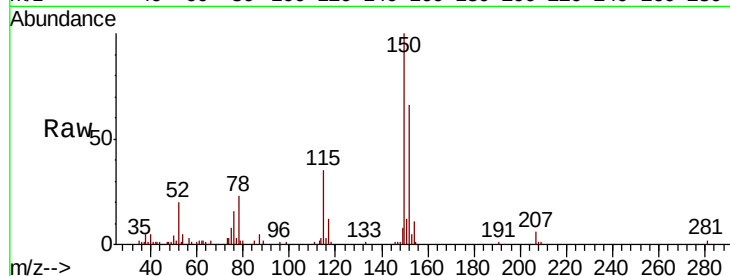
Tot Ion:146 Resp: 263

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.4#

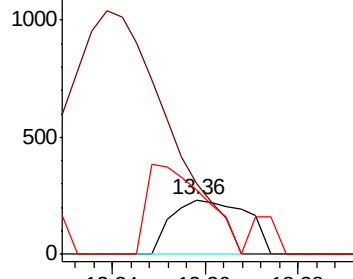
148 127.8 32.3 96.9#



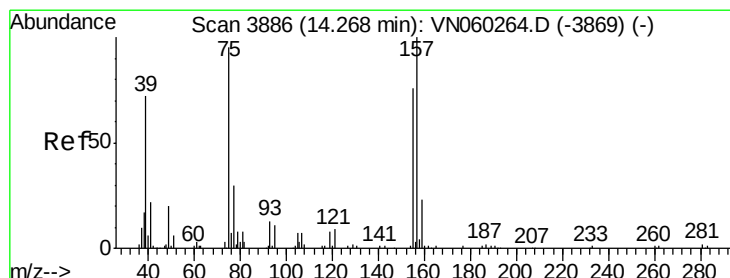
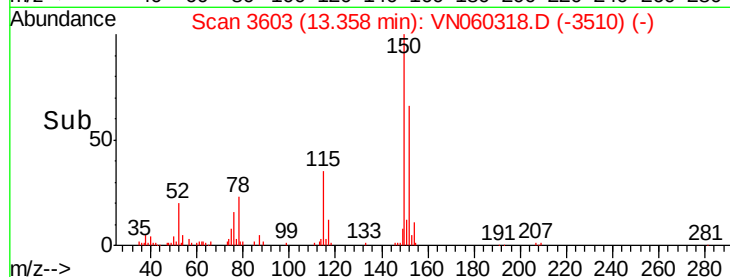
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.363 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN060318.D

Acq: 3 Mar 2020 10:31

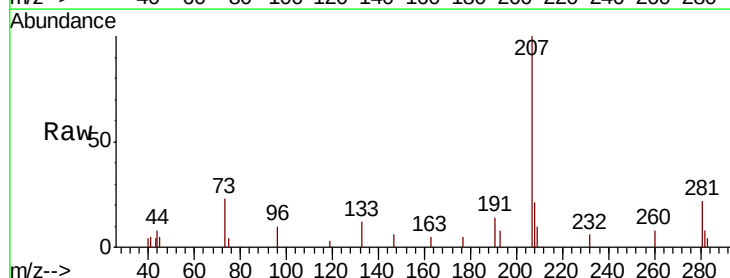
Tgt Ion: 75 Resp: 217

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

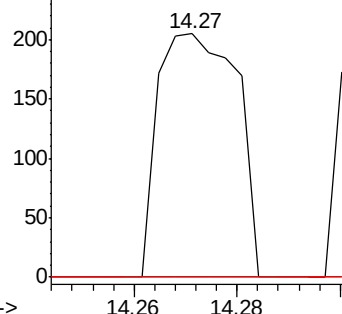
157 0.0 52.5 157.5#



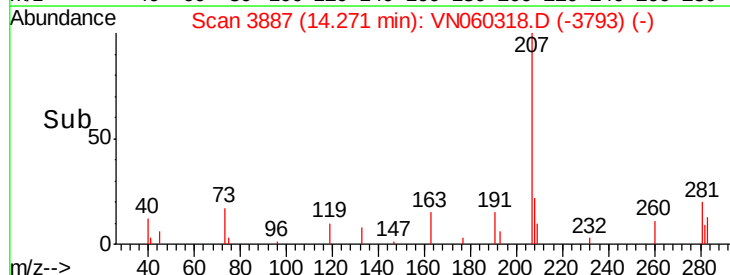
Abundance Ion 74.90 (74.60 to 75.60): VN0

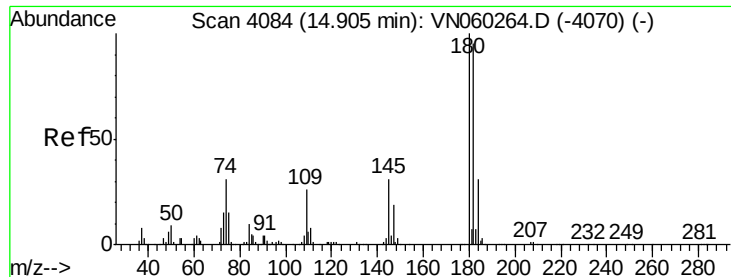
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

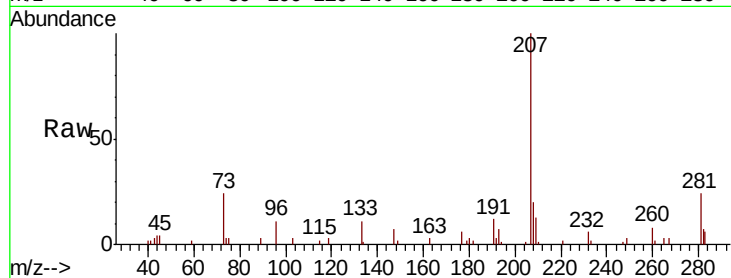




#93
 1,2,4-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060318.D
 Acq: 3 Mar 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	0.0	15.4	46.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

