

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056177.D
 Acq On : 10 Jun 2019 18:18
 Operator : JC/SP
 Sample : K3280-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:21:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	324148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	492881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137179	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	174474	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	7.59	113	160093	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
50) Toluene-d8	10.09	98	630098	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.40	95	188025	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	

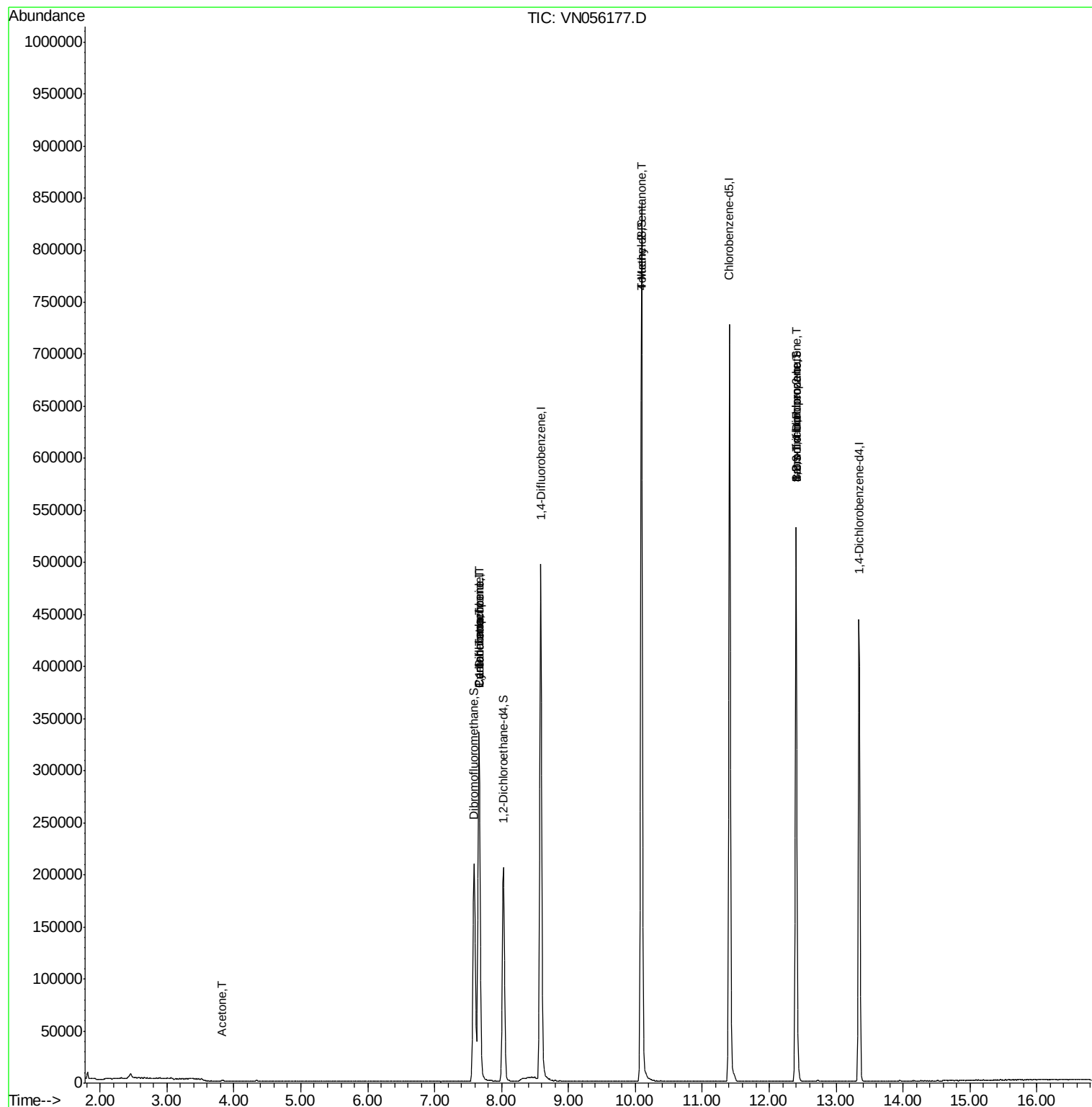
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	719	0.467	ug/l #	41
31) Cyclohexane	7.66	56	4435	0.868	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	18368	4.334	ug/l #	48
38) Carbon Tetrachloride	7.66	117	25670	6.570	ug/l #	15
51) 4-Methyl-2-Pentanone	10.09	43	2437	0.638	ug/l #	1
71) Bromoform	12.40	173	1383	3.225	ug/l #	1
73) Isopropylbenzene	12.40	105	89	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	87037	34.482	ug/l #	100
79) 2-Chlorotoluene	12.40	91	450	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	87037	114.830	ug/l #	15

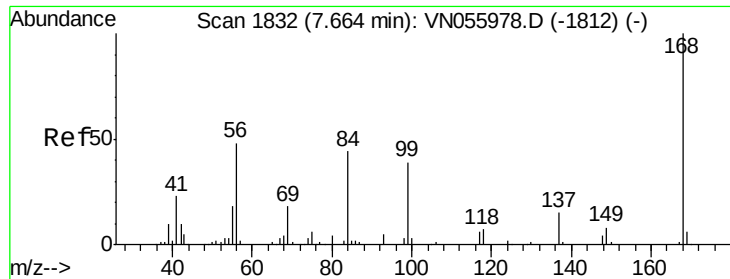
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

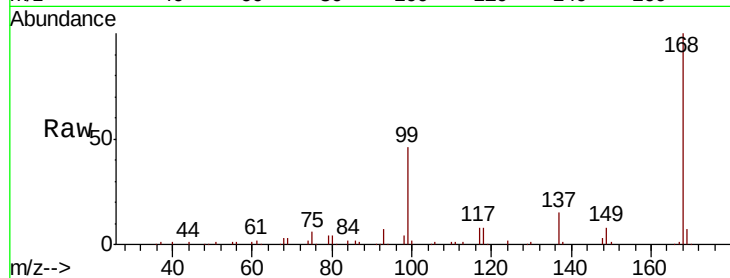
ClientSampleId :

Tot Ion:168 Resp: 324148

Ion Ratio Lower Upper

168 100

99 45.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

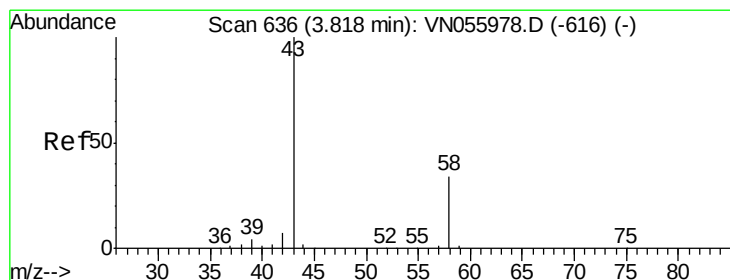
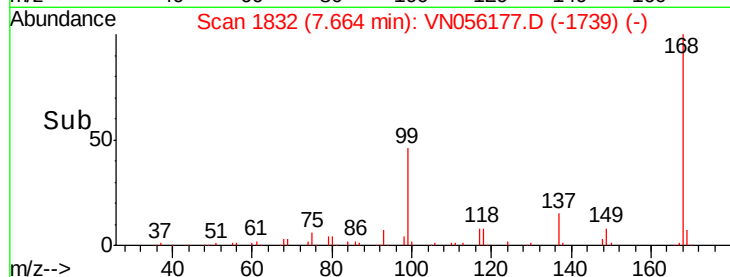
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.467 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056177.D

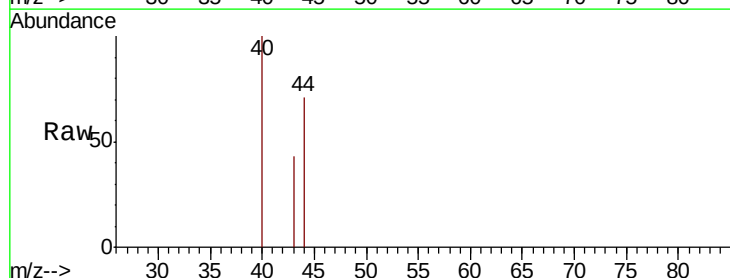
Acq: 10 Jun 2019 18:18

Tgt Ion: 43 Resp: 719

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

500

400

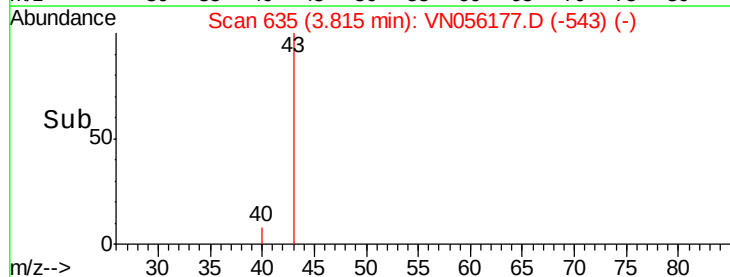
300

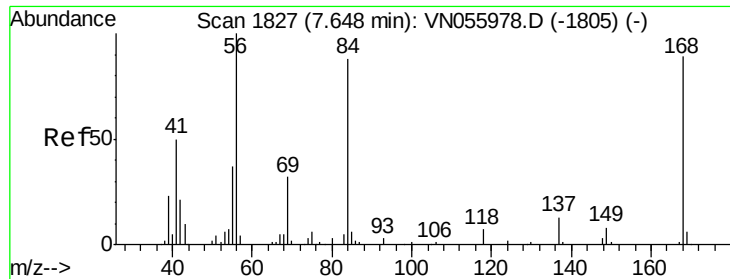
200

100

0

Time-->

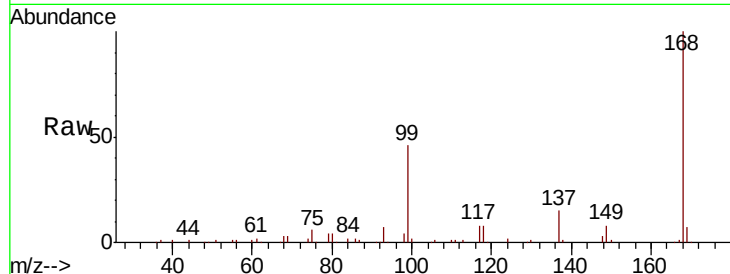




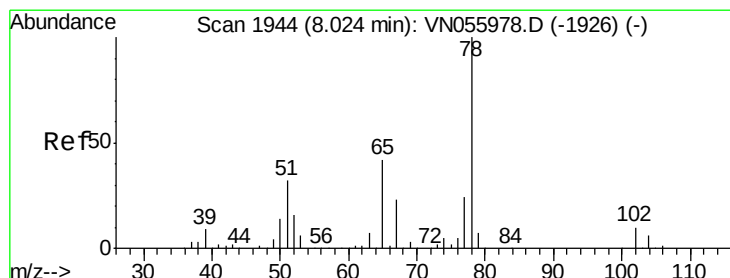
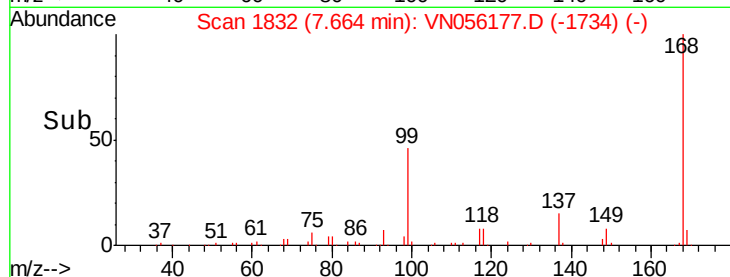
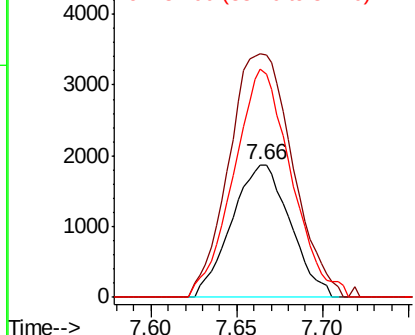
#31
Cyclohexane
Concen: 0.868 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056177.D
Acq: 10 Jun 2019 18:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4435
Ion Ratio Lower Upper
56 100
69 183.3 25.6 38.4#
84 171.7 67.4 101.0#

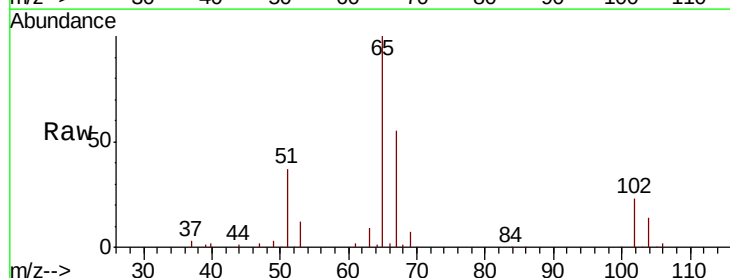


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

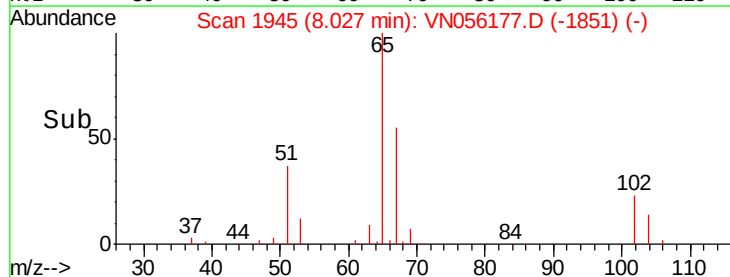
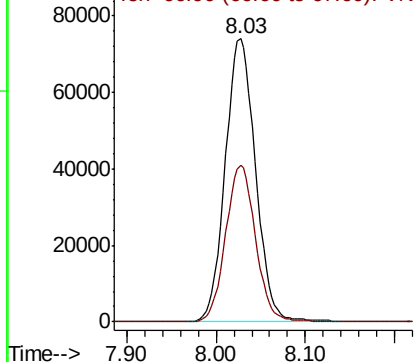


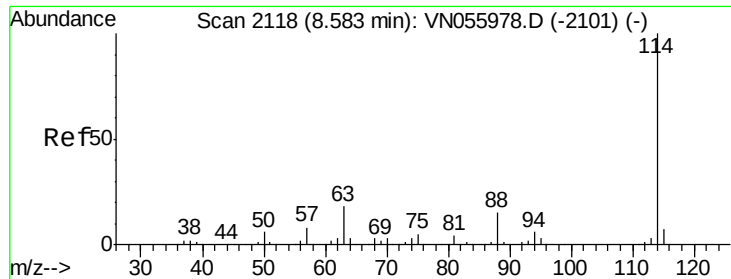
#33
1,2-Dichloroethane-d4
Concen: 54.209 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056177.D
Acq: 10 Jun 2019 18:18

Tgt Ion: 65 Resp: 174474
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.2



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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

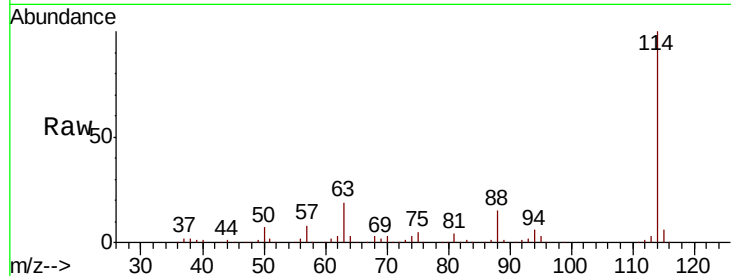
Tot Ion:114 Resp: 492881

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

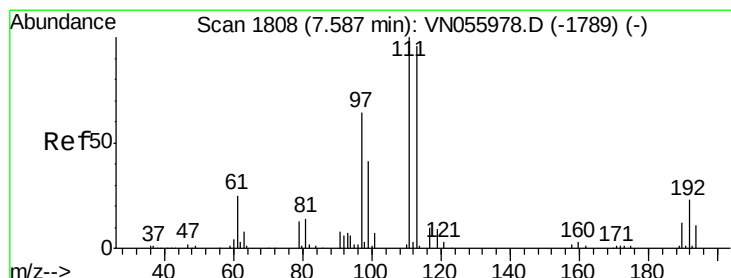
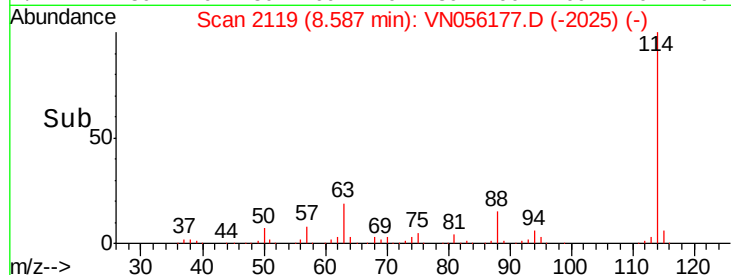
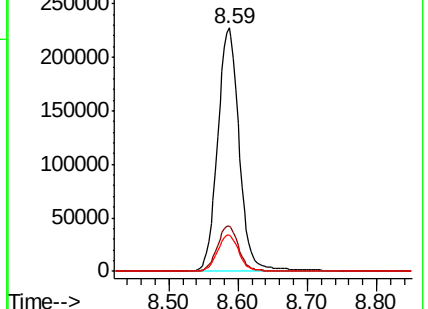
88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VNO

Ion 87.90 (87.60 to 88.60): VNO



#35

Dibromofluoromethane

Concen: 52.941 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

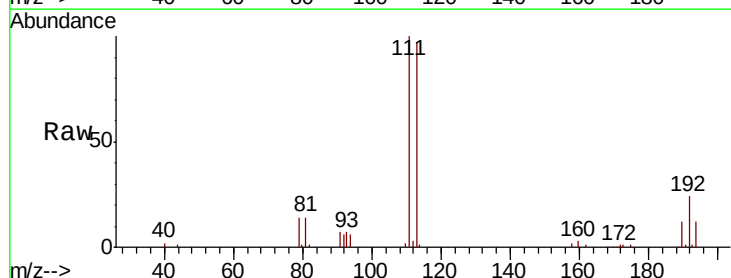
Tgt Ion:113 Resp: 160093

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

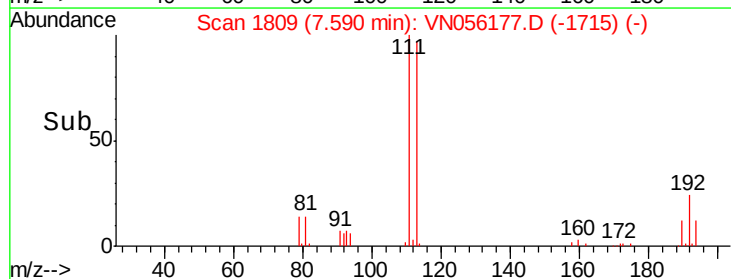
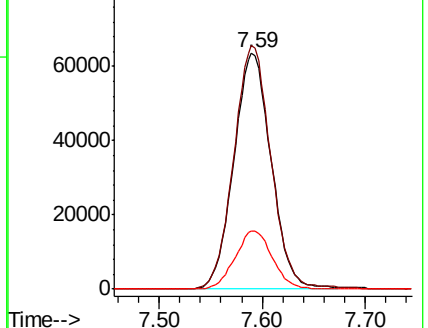
192 24.6 19.5 29.3

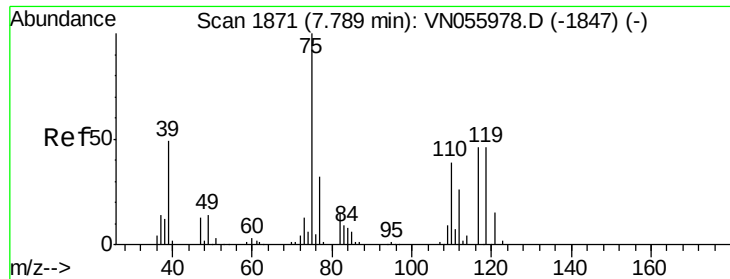


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.334 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

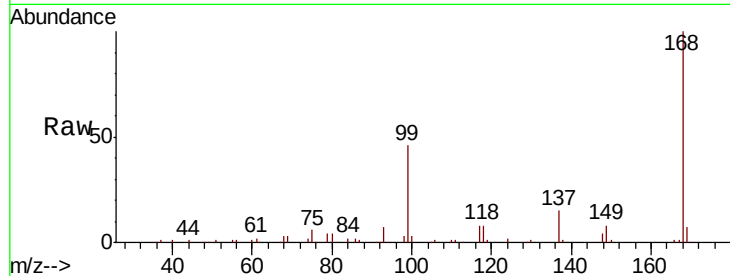
Tot Ion: 75 Resp: 18368

Ion Ratio Lower Upper

75 100

110 8.8 19.0 57.0#

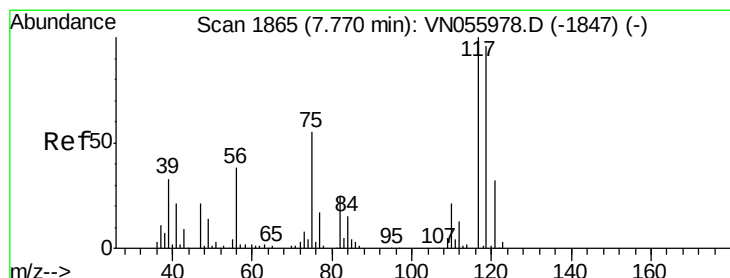
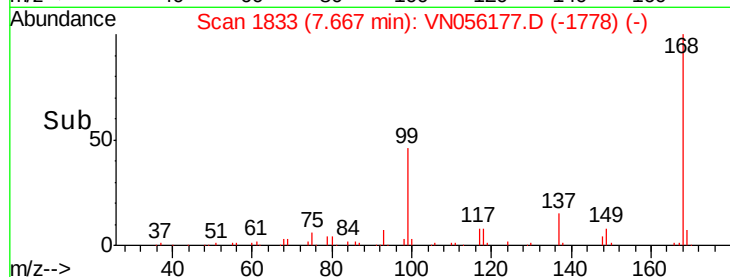
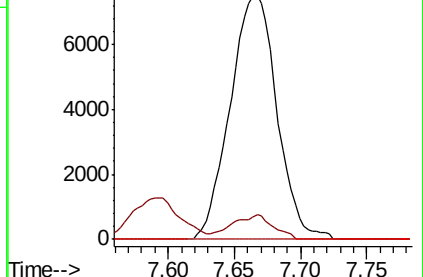
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN055978.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN055978.D (-1847) (-)



#38

Carbon Tetrachloride

Concen: 6.570 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

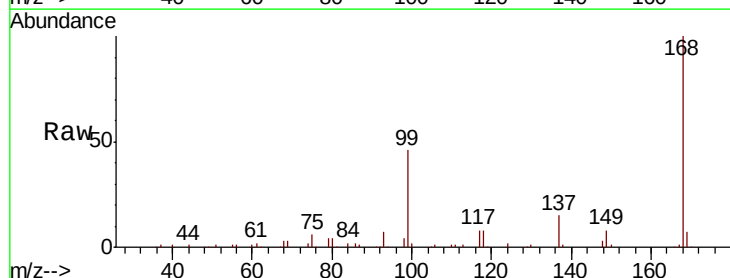
Tgt Ion: 117 Resp: 25670

Ion Ratio Lower Upper

117 100

119 5.7 79.0 118.6#

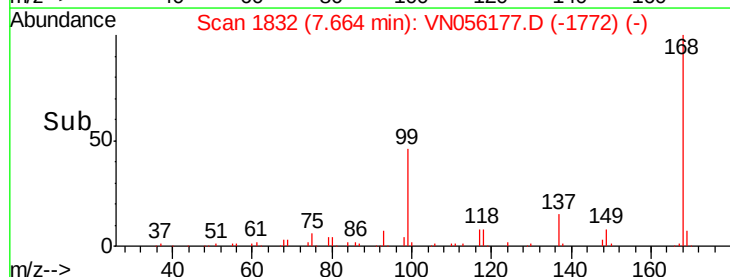
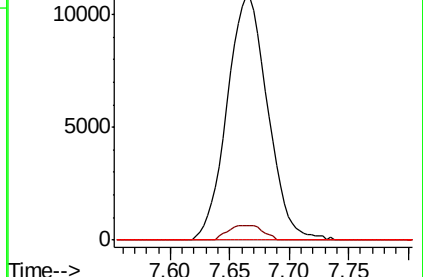
121 0.0 24.7 37.1#

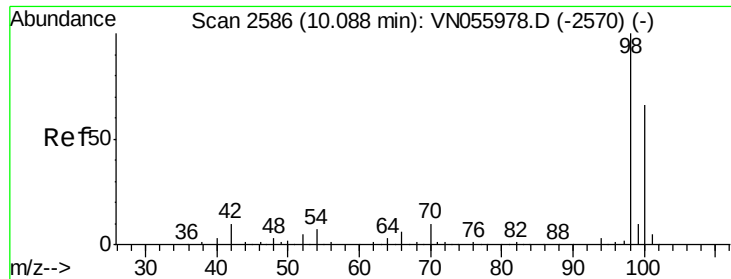


Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)





#50

Toluene-d8

Concen: 54.149 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

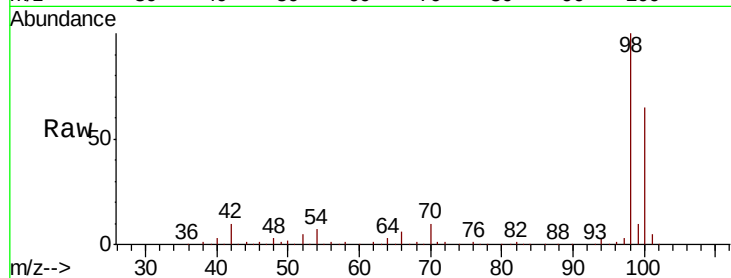
ClientSampleId :

Tot Ion: 98 Resp: 630098

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

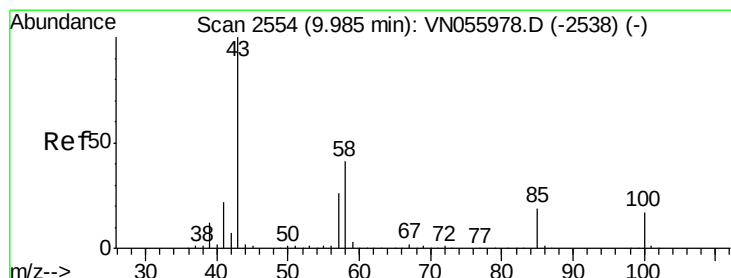
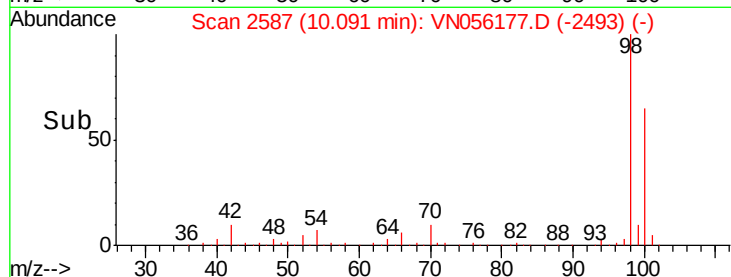
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.638 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN056177.D

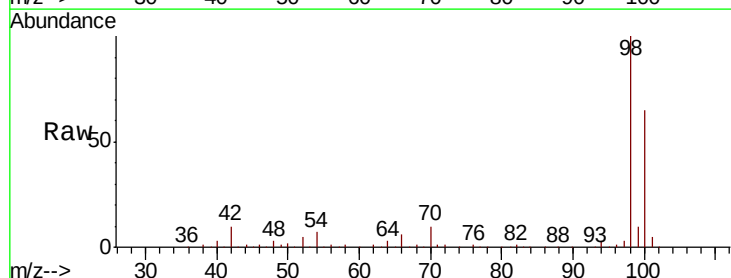
Acq: 10 Jun 2019 18:18

Tgt Ion: 43 Resp: 2437

Ion Ratio Lower Upper

43 100

58 185.5 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

2500

2000

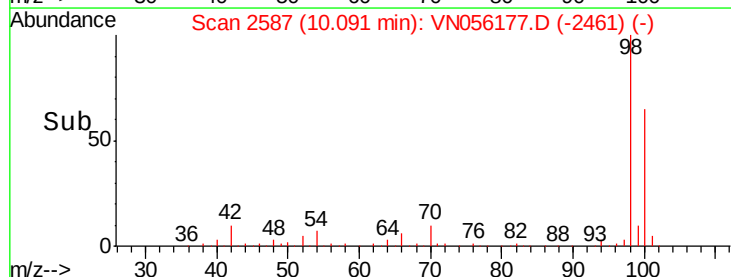
1500

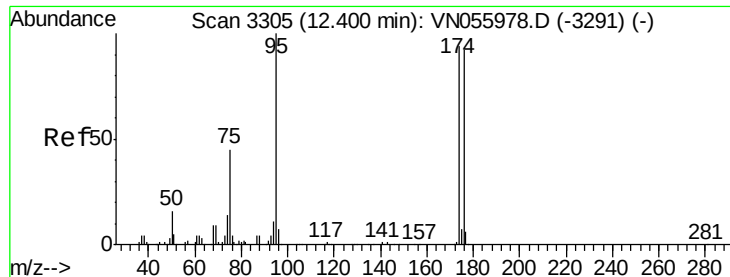
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.514 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

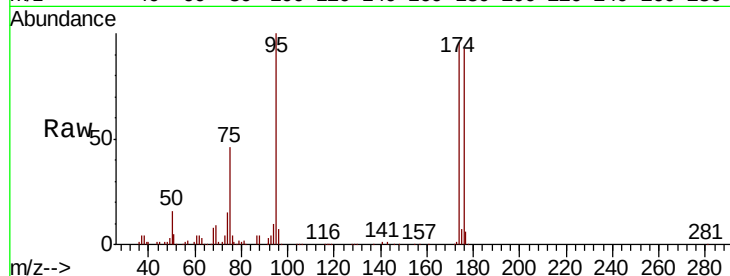
Tot Ion: 95 Resp: 188025

Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

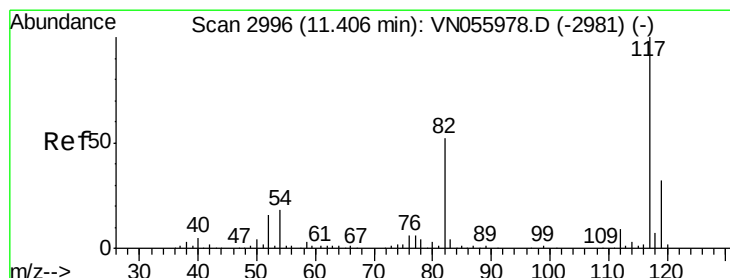
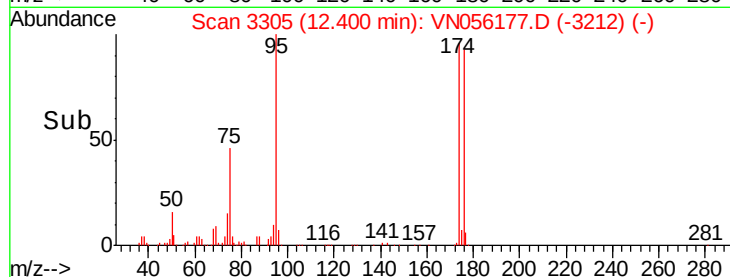
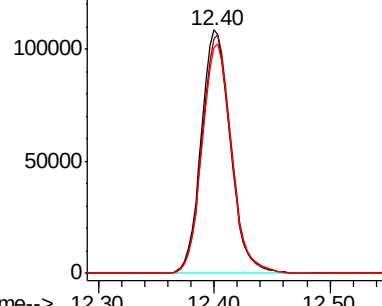
176 94.8 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

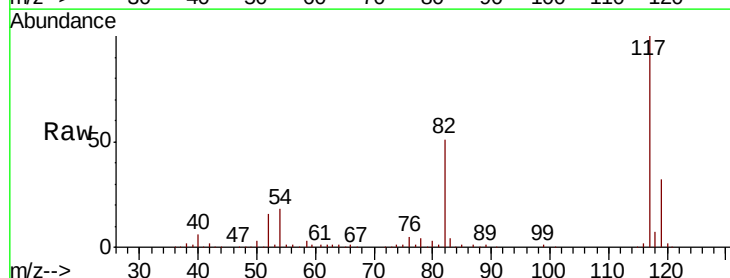
Tgt Ion: 117 Resp: 469409

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

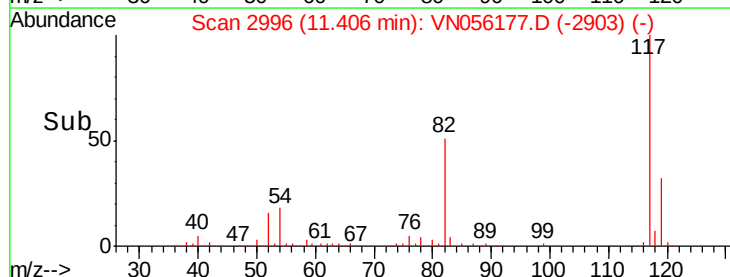
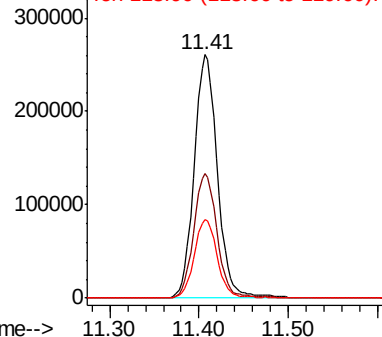
119 32.4 25.4 38.0

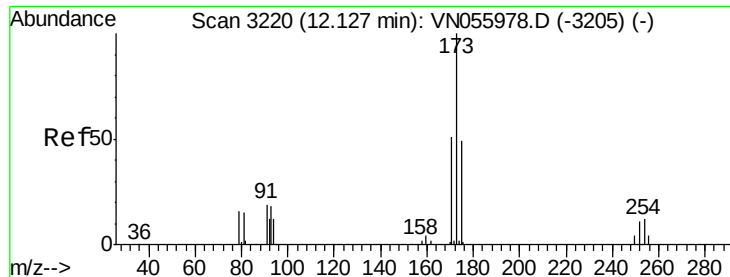


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#71

Bromoform

Concen: 3.225 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

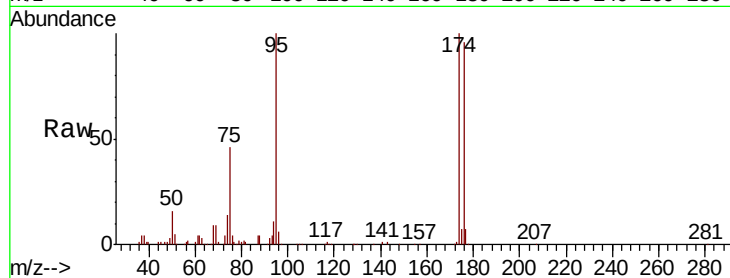
Tot Ion:173 Resp: 1383

Ion Ratio Lower Upper

173 100

175 814.4 24.3 72.8#

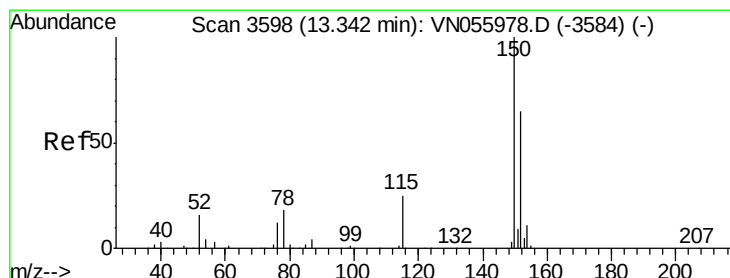
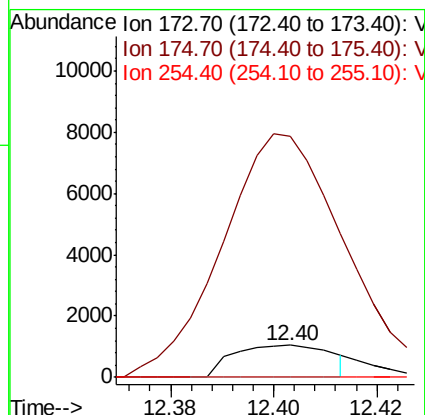
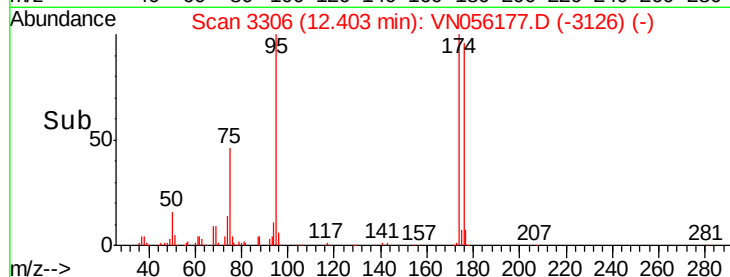
254 0.0 0.0 0.0



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# 3598

Delta R.T. 0.00 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

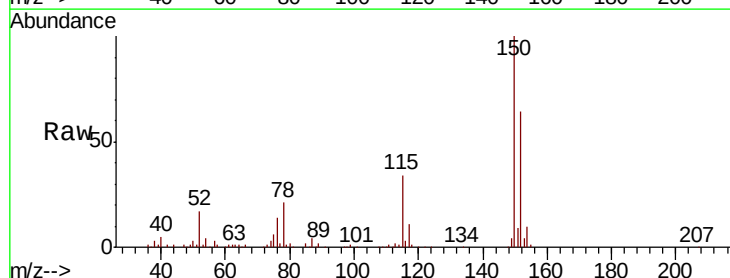
Tgt Ion:152 Resp: 137179

Ion Ratio Lower Upper

152 100

115 52.9 27.0 81.0

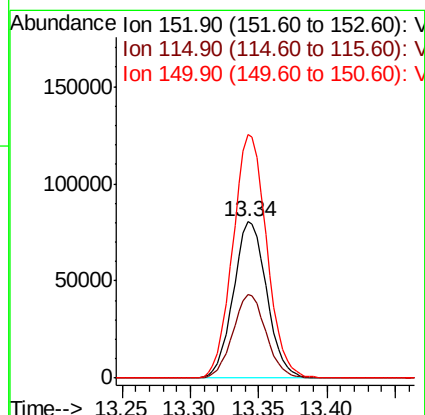
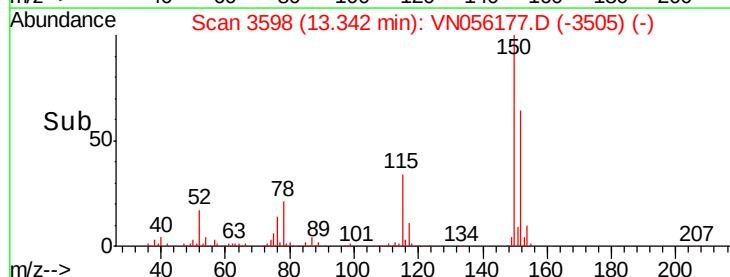
150 157.9 0.0 343.2

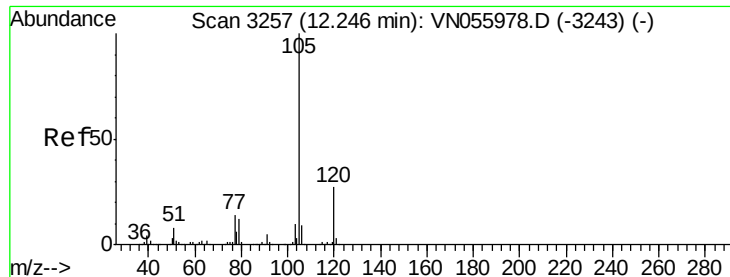


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

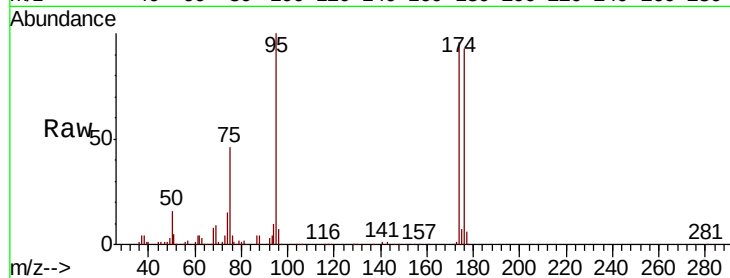
ClientSampleId :

Tot Ion: 105 Resp: 89

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.40

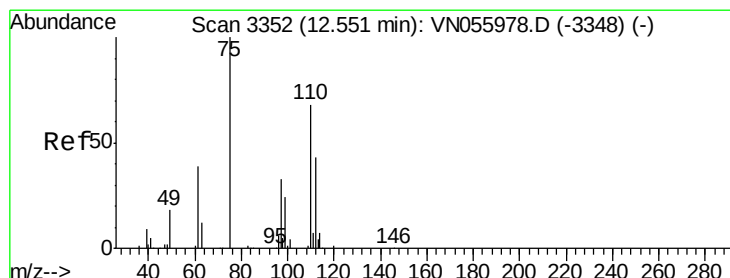
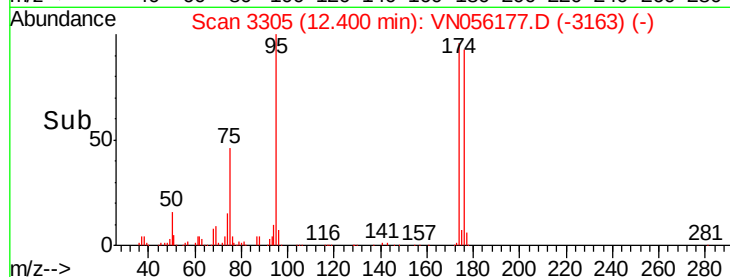
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 34.482 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056177.D

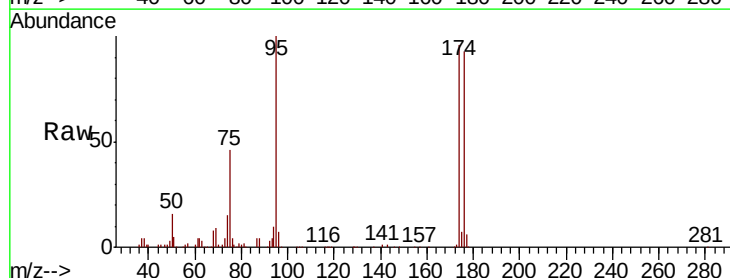
Acq: 10 Jun 2019 18:18

Tgt Ion: 75 Resp: 87037

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

60000

50000

40000

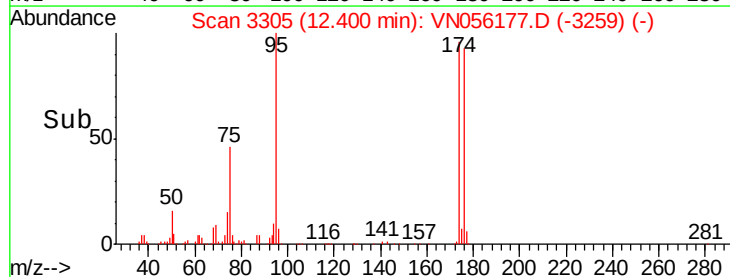
30000

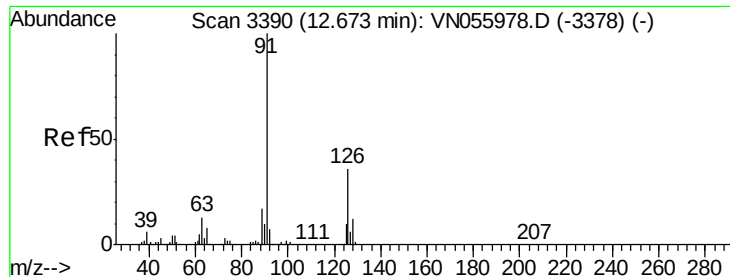
20000

10000

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

Instrument :

MSVOA_N

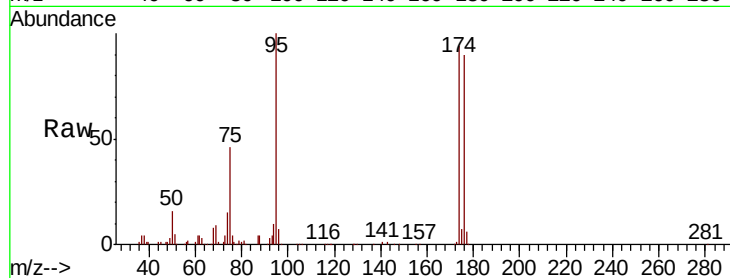
ClientSampleId :

Tot Ion: 91 Resp: 450

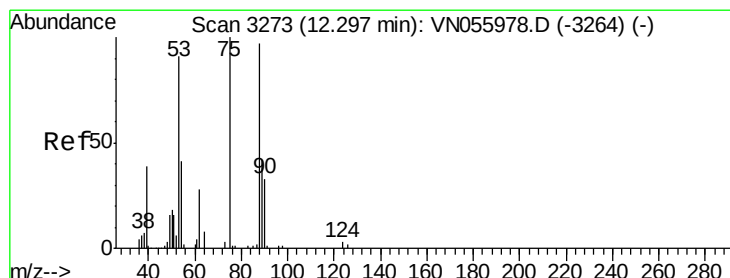
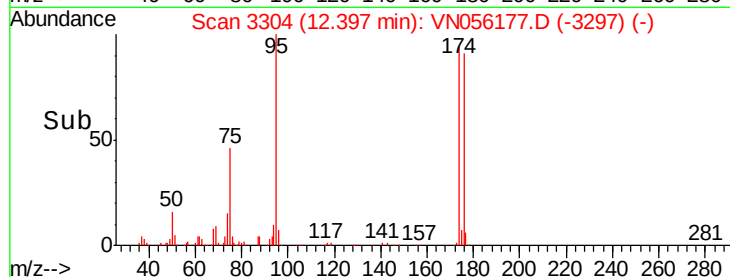
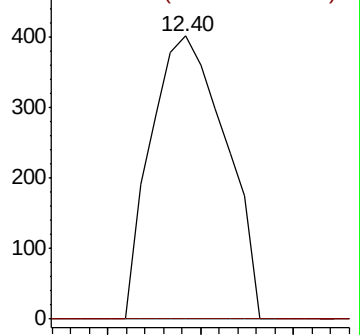
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 114.830 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056177.D

Acq: 10 Jun 2019 18:18

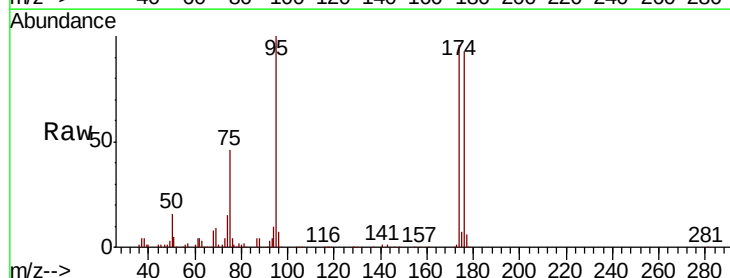
Tgt Ion: 75 Resp: 87037

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

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

