

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056176.D
 Acq On : 10 Jun 2019 17:53
 Operator : JC/SP
 Sample : K3280-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:21:34 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	305727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	470044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	449056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132563	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	166505	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
35) Dibromofluoromethane	7.59	113	151971	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
50) Toluene-d8	10.09	98	600136	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
62) 4-Bromofluorobenzene	12.40	95	181323	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	127	0.240	ug/l #	74
16) Acetone	3.82	43	1546	1.065	ug/l #	41
18) Methyl Acetate	4.33	43	1092	Below Cal	#	77
31) Cyclohexane	7.66	56	4294	0.891	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17751	4.392	ug/l #	48
38) Carbon Tetrachloride	7.66	117	25365	6.807	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	2402	0.659	ug/l #	1
71) Bromoform	12.40	173	1346	3.233	ug/l #	1
73) Isopropylbenzene	12.40	105	60	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	82437	33.796	ug/l #	100
79) 2-Chlorotoluene	12.40	91	502	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	82437	112.549	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

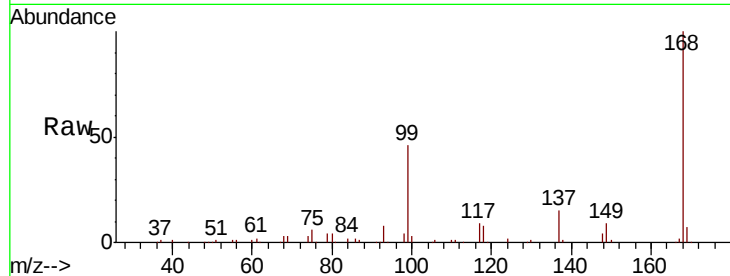
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 305727

Ion Ratio Lower Upper

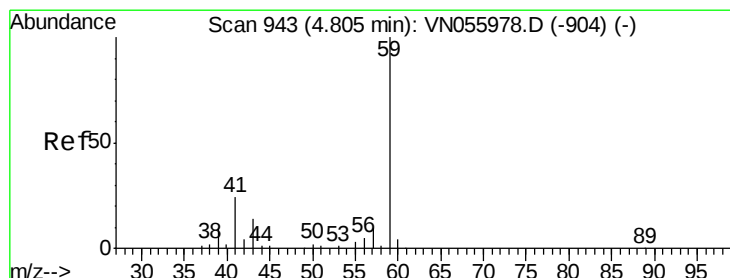
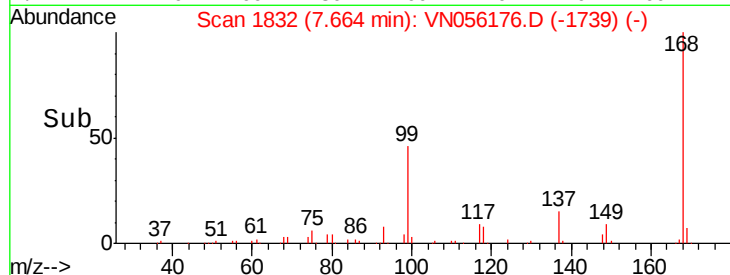
168 100

99 46.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.240 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.04 min

Lab File: VN056176.D

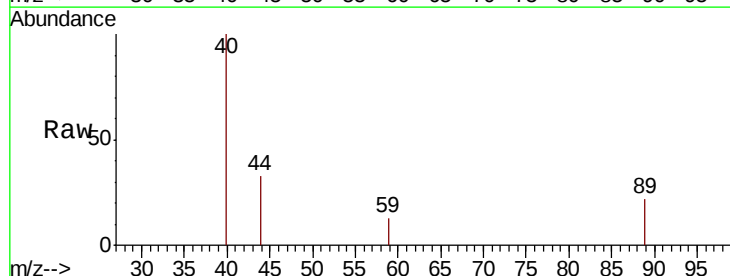
Acq: 10 Jun 2019 17:53

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

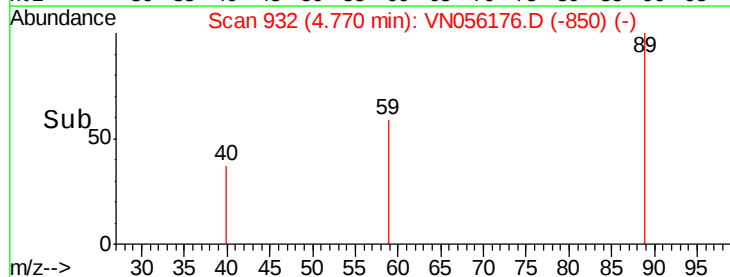
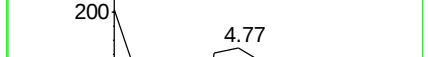
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 1.065 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

Instrument :

MSVOA_N

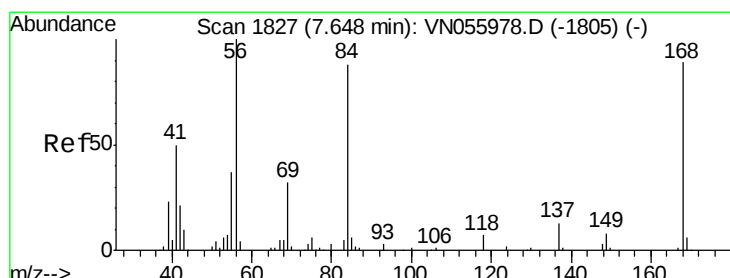
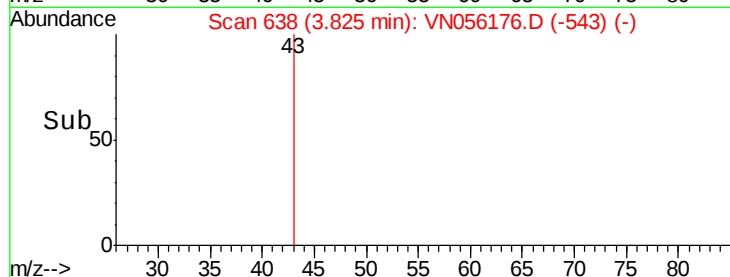
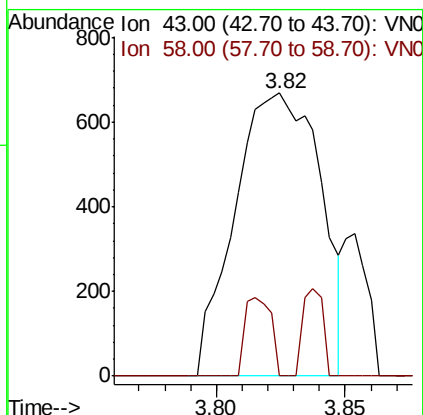
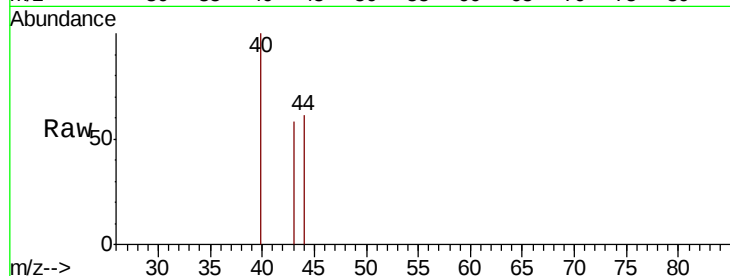
ClientSampleId :

Tot Ion: 43 Resp: 1546

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#31

Cyclohexane

Concen: 0.891 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

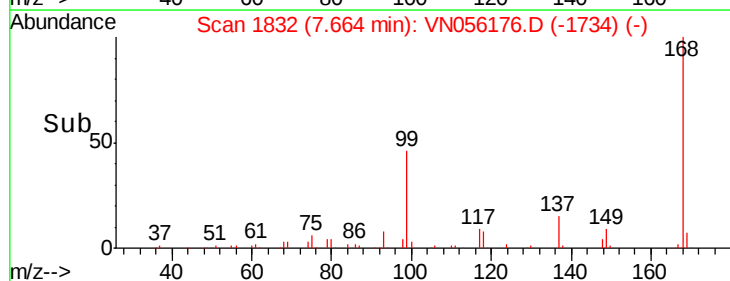
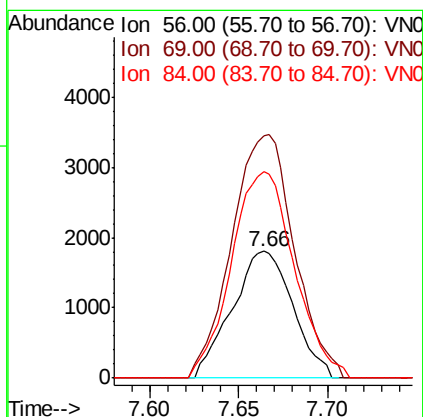
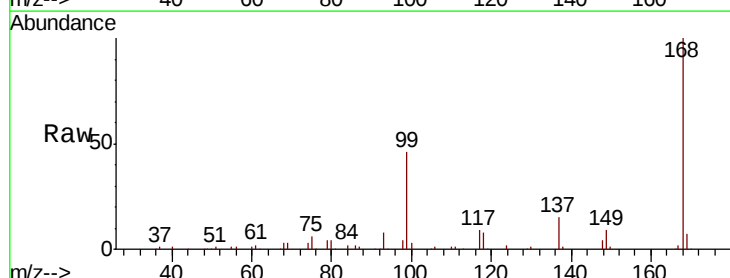
Tgt Ion: 56 Resp: 4294

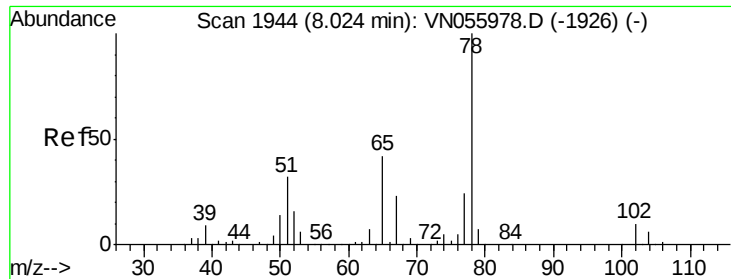
Ion Ratio Lower Upper

56 100

69 191.3 25.6 38.4#

84 162.5 67.4 101.0#

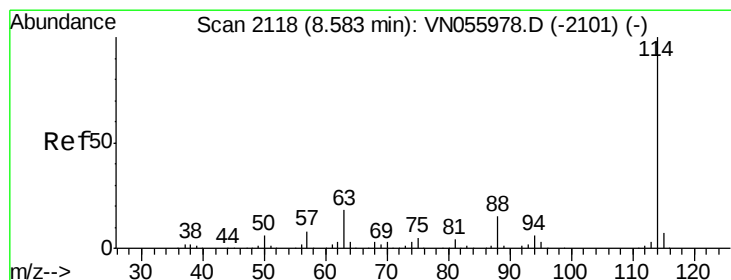
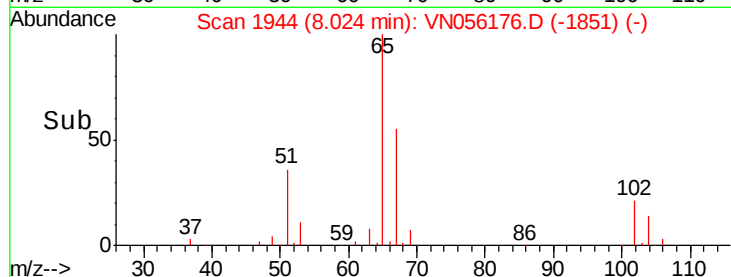
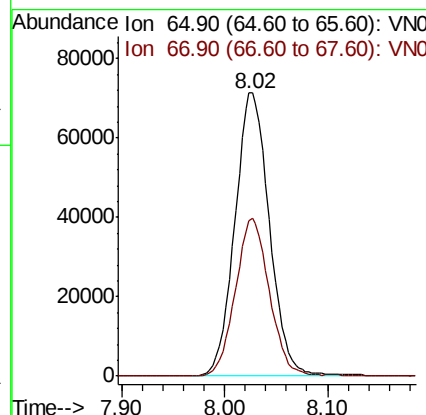
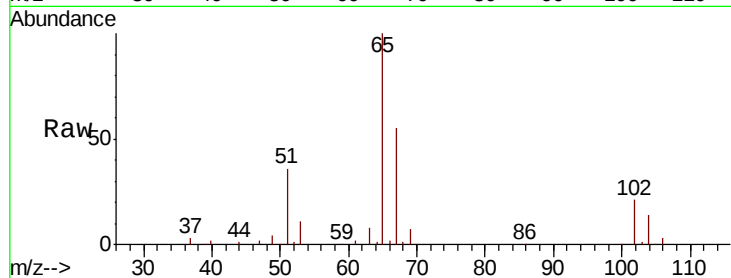




#33
 1,2-Dichloroethane-d4
 Concen: 54.851 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056176.D
 Acq: 10 Jun 2019 17:53

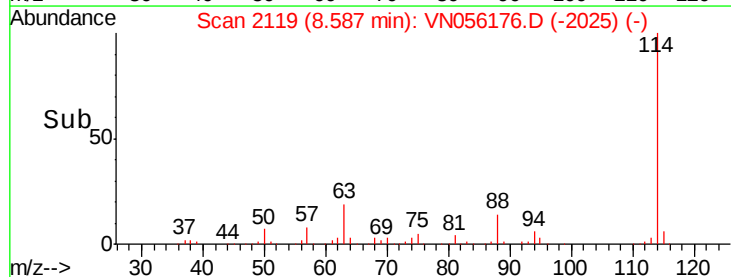
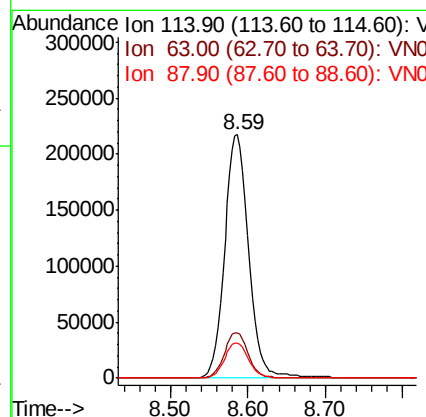
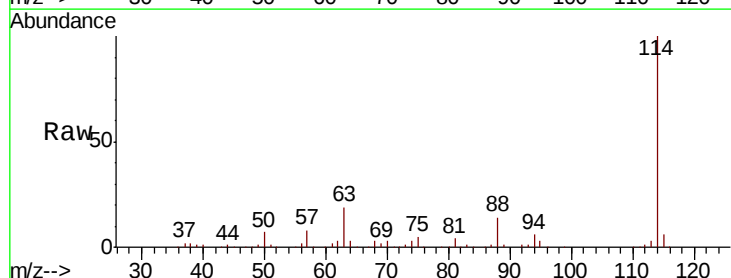
Instrument :
 MSVOA_N
 ClientSampleId :

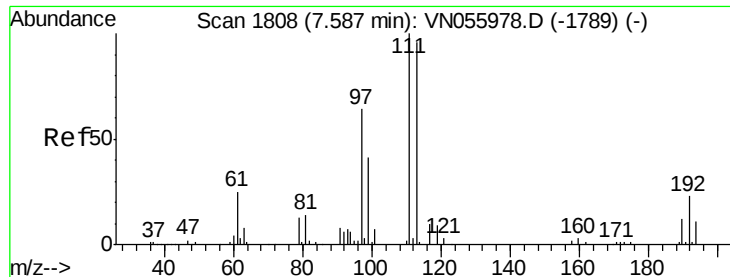
Tot Ion: 65 Resp: 166505
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056176.D
 Acq: 10 Jun 2019 17:53

Tgt Ion: 114 Resp: 470044
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.697 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :

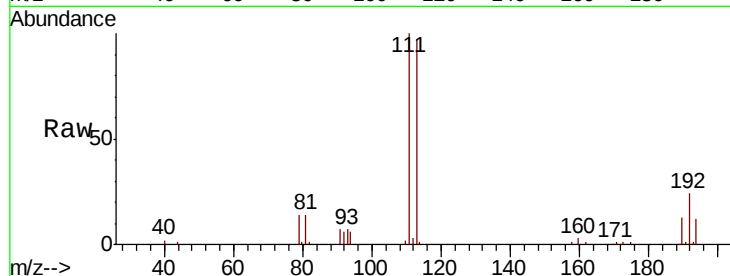
Tot Ion:113 Resp: 151971

Ion Ratio Lower Upper

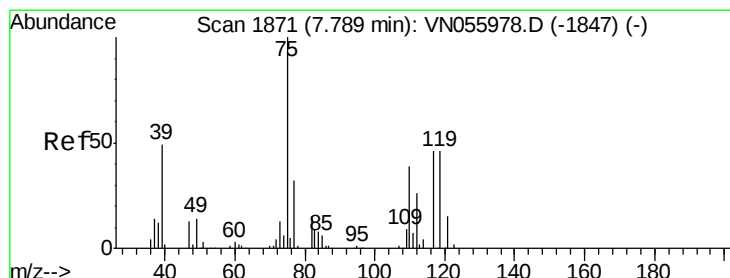
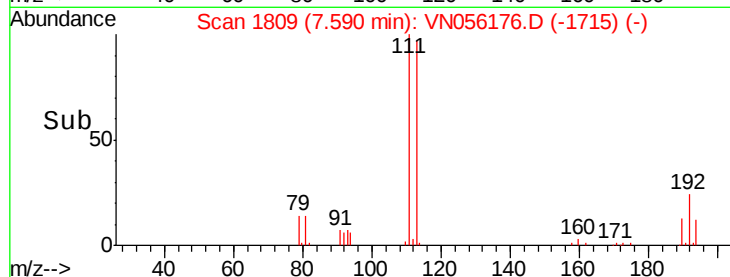
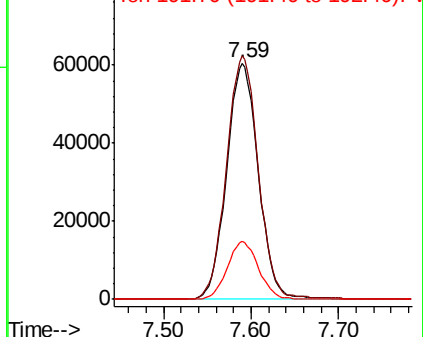
113 100

111 103.4 81.9 122.9

192 24.3 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: 4.392 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

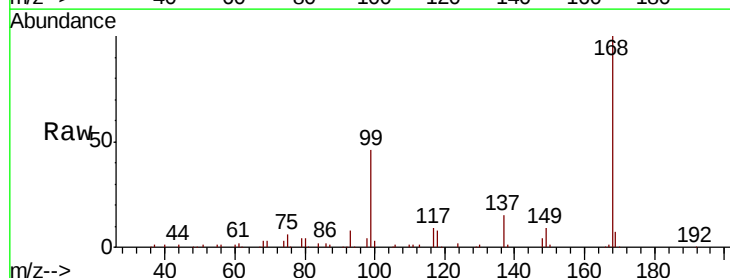
Tgt Ion: 75 Resp: 17751

Ion Ratio Lower Upper

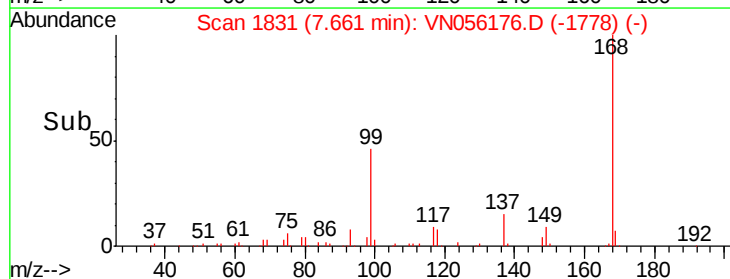
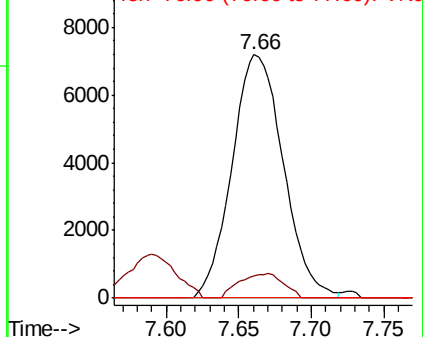
75 100

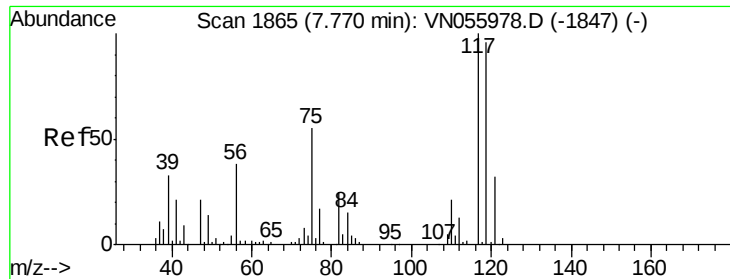
110 8.6 19.0 57.0#

77 0.0 25.1 37.7#



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: 6.807 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

Instrument :

MSVOA_N

ClientSampled :

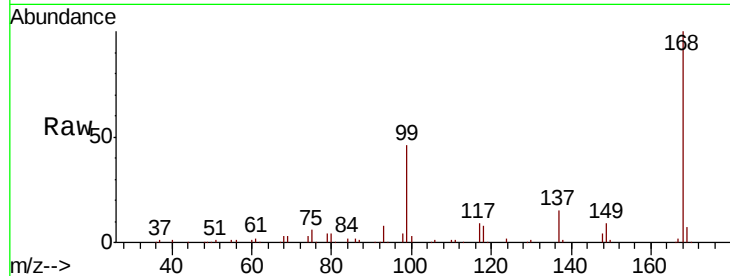
Tot Ion:117 Resp: 25365

Ion Ratio Lower Upper

117 100

119 5.1 79.0 118.6#

121 0.0 24.7 37.1#

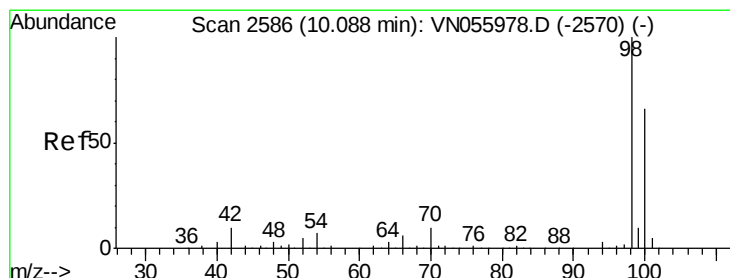
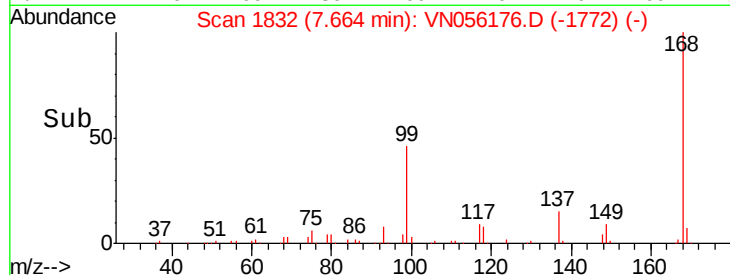
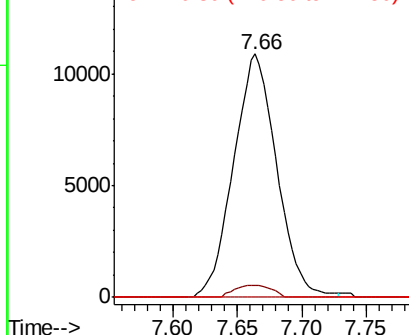


Abundance

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: 54.080 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056176.D

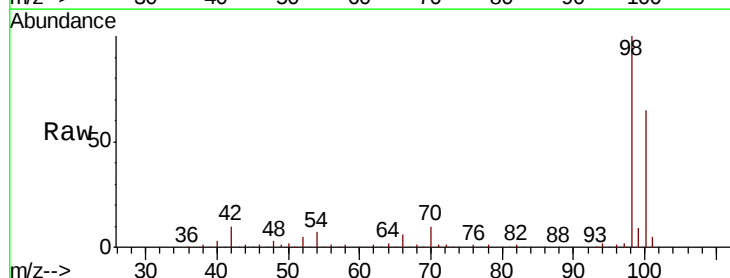
Acq: 10 Jun 2019 17:53

Tgt Ion: 98 Resp: 600136

Ion Ratio Lower Upper

98 100

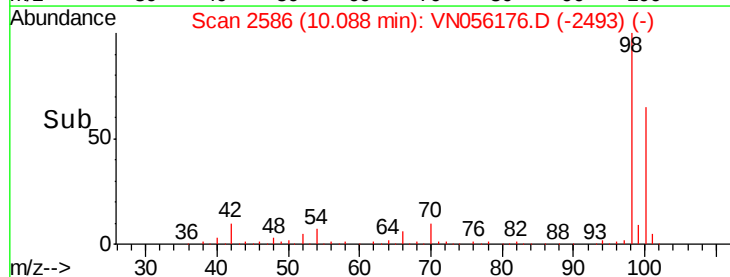
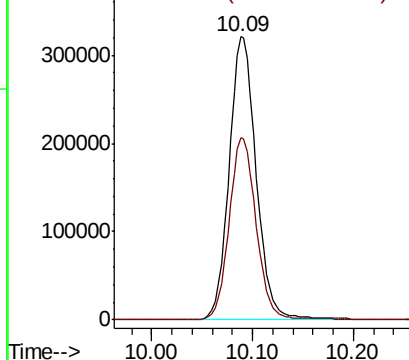
100 64.7 51.9 77.9

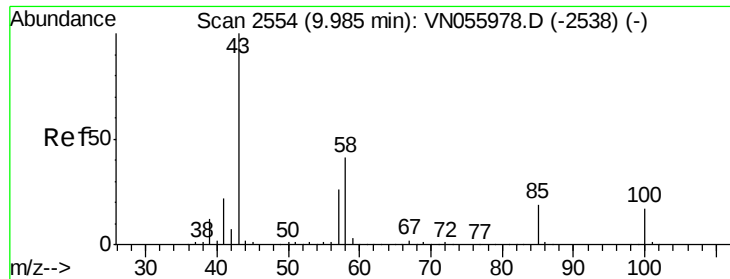


Abundance

Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.659 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

Instrument :

MSVOA_N

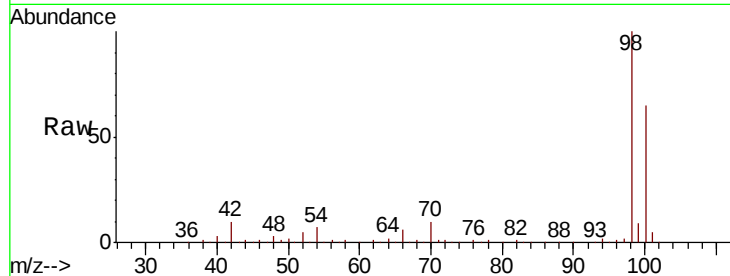
ClientSampled :

Tot Ion: 43 Resp: 2402

Ion Ratio Lower Upper

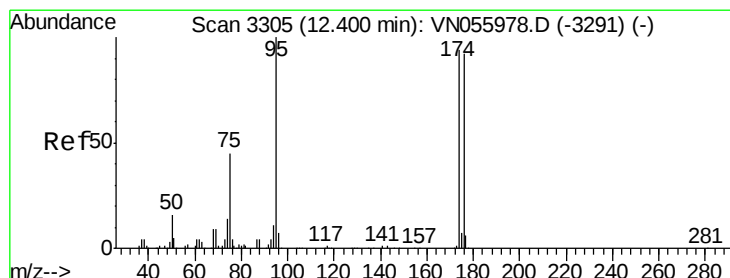
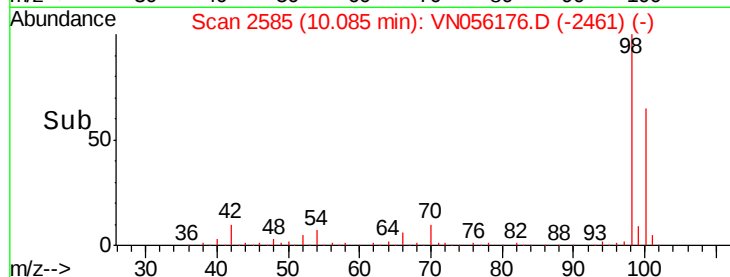
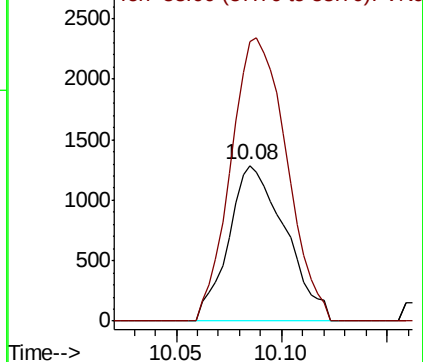
43 100

58 179.1 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 48.047 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

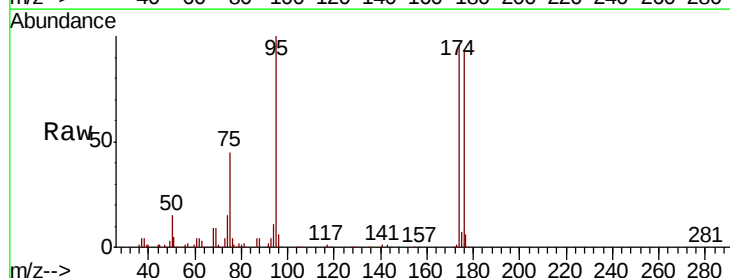
Tgt Ion: 95 Resp: 181323

Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.0

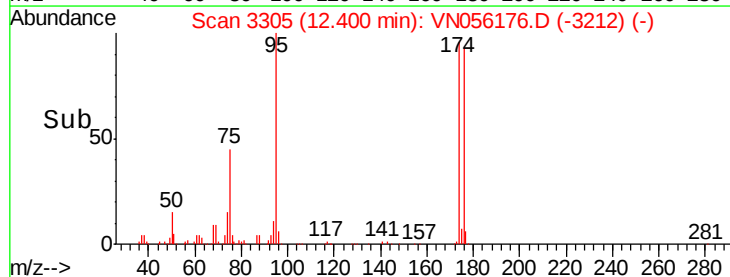
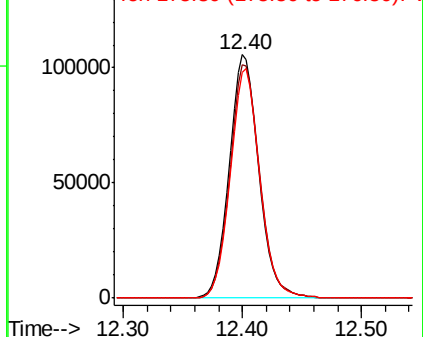
176 94.2 0.0 185.2

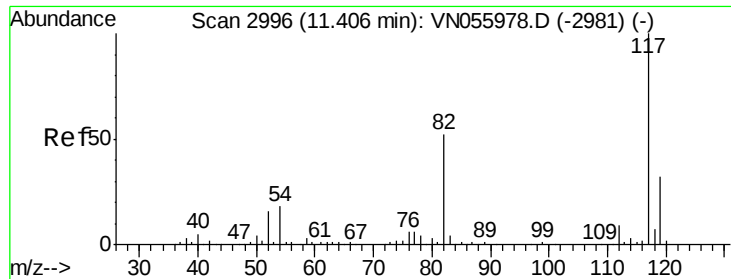


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

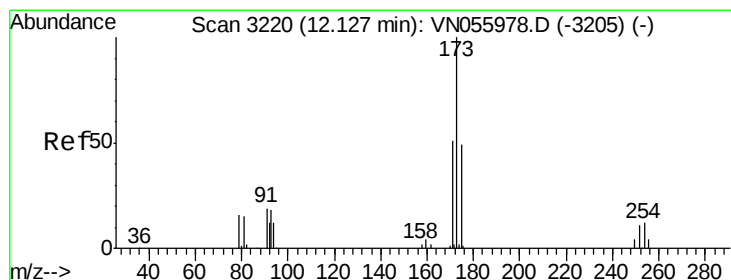
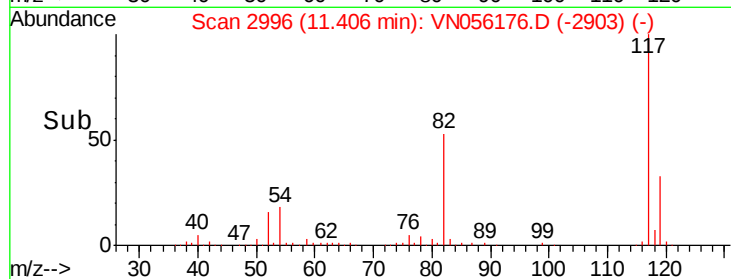
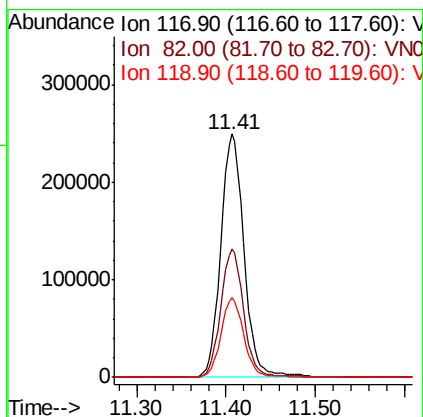
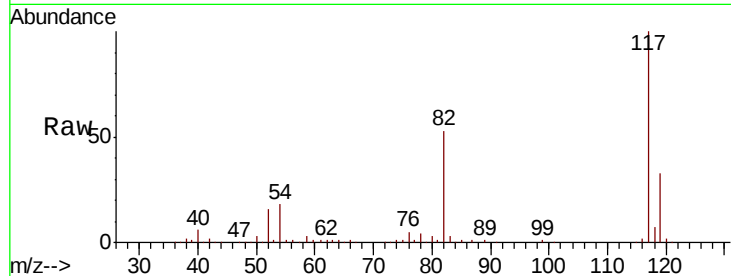




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056176.D
Acq: 10 Jun 2019 17:53

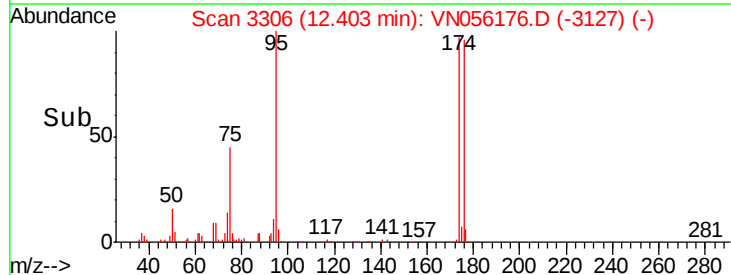
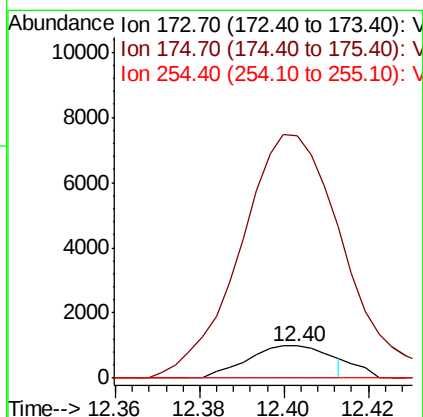
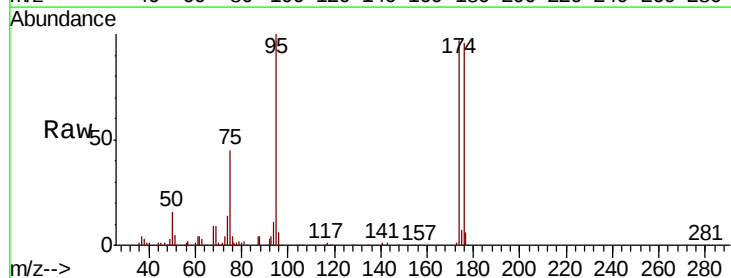
Instrument :
MSVOA_N
ClientSampleId :

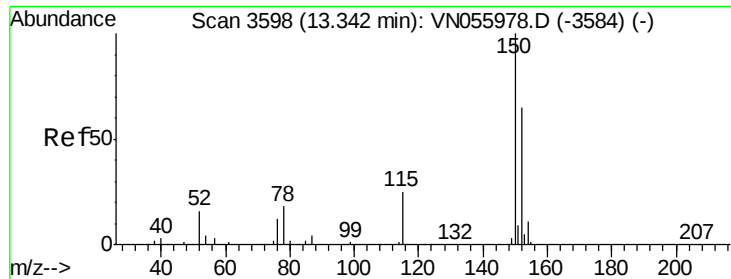
Tot Ion:117 Resp: 449056
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.6 25.4 38.0



#71
Bromoform
Concen: 3.233 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056176.D
Acq: 10 Jun 2019 17:53

Tgt Ion:173 Resp: 1346
Ion Ratio Lower Upper
173 100
175 812.1 24.3 72.8#
254 0.0 0.0 0.0



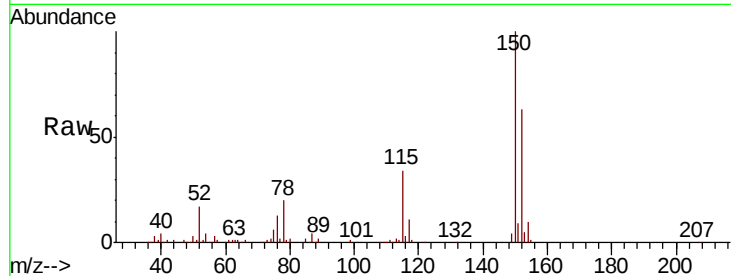


#72

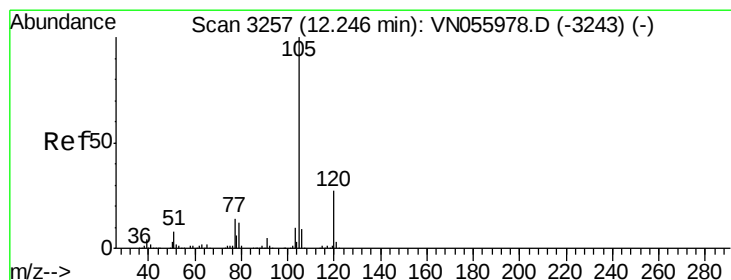
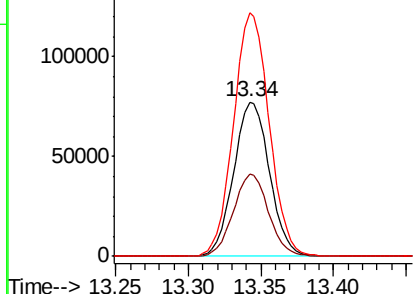
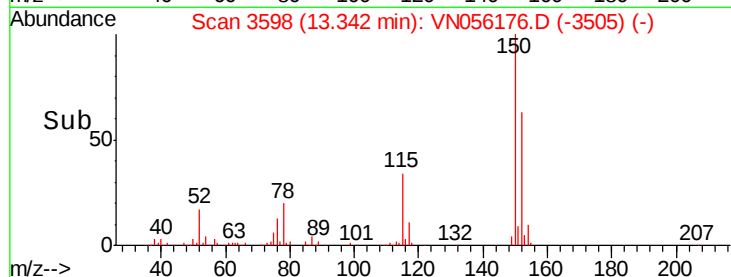
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056176.D
Acq: 10 Jun 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.0	81.0
150	157.2	0.0	343.2



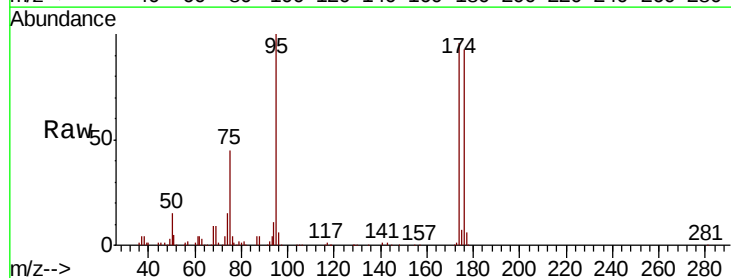
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



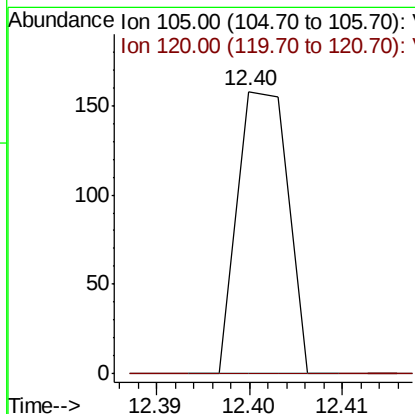
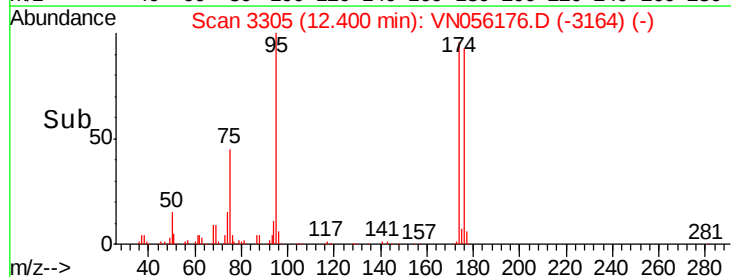
#73

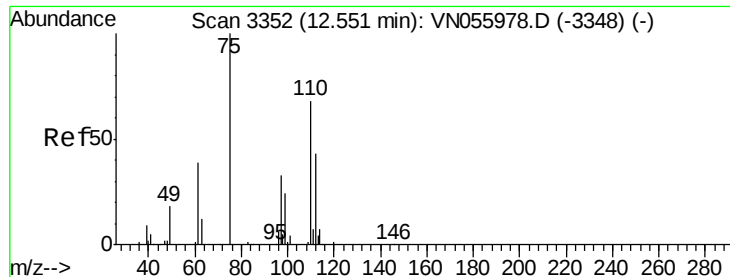
Isopropylbenzene
Concen: Below Cal
RT: 12.40 min Scan# 3305
Delta R.T. 0.15 min
Lab File: VN056176.D
Acq: 10 Jun 2019 17:53

Tgt 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





#76

1,2,3-Trichloropropane

Concen: 33.796 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

Instrument :

MSVOA_N

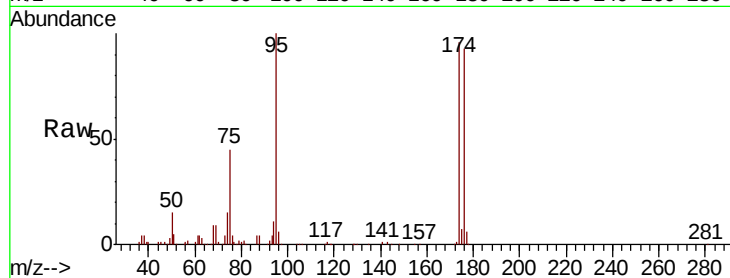
ClientSampled :

Tot Ion: 75 Resp: 82437

Ion Ratio Lower Upper

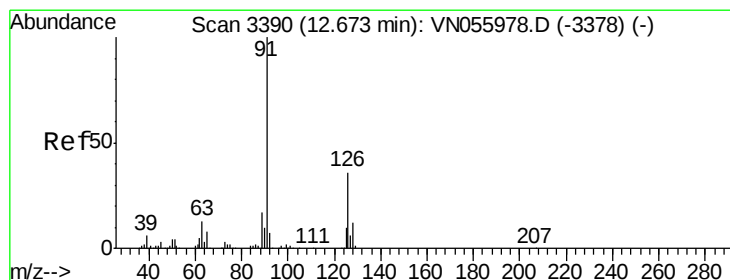
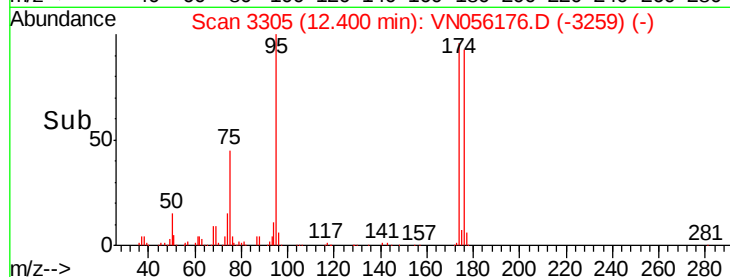
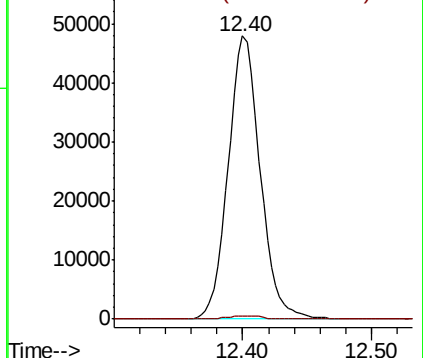
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056176.D

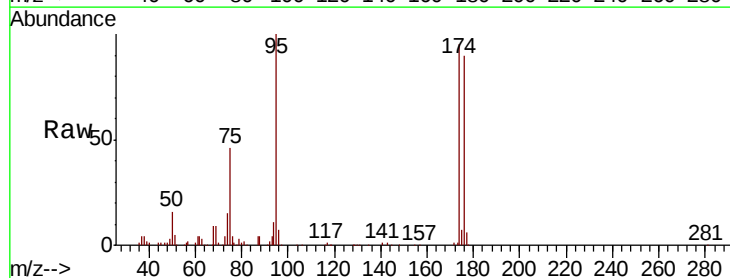
Acq: 10 Jun 2019 17:53

Tgt Ion: 91 Resp: 502

Ion Ratio Lower Upper

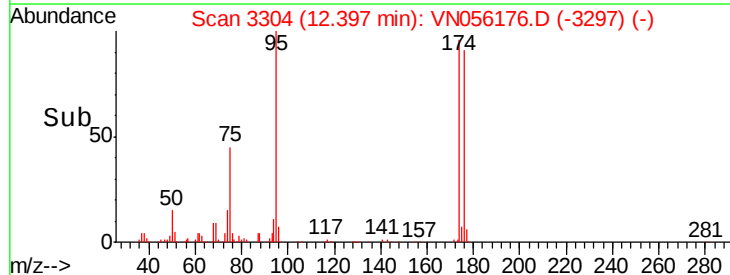
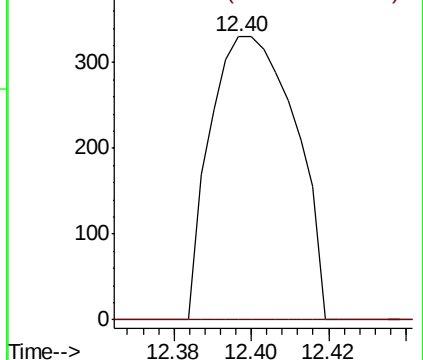
91 100

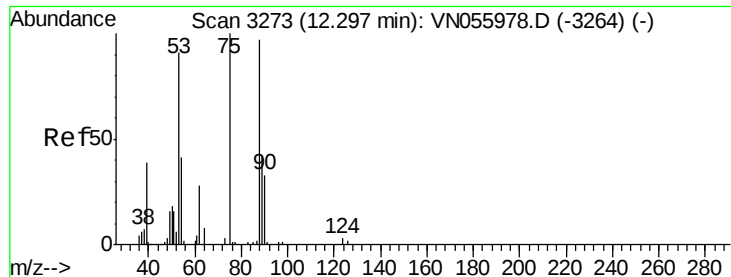
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 112.549 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056176.D

Acq: 10 Jun 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

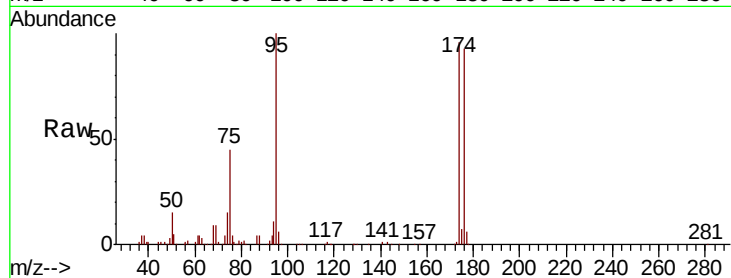
Tot Ion: 75 Resp: 82437

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

