

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056173.D
 Acq On : 10 Jun 2019 16:38
 Operator : JC/SP
 Sample : K3280-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:21:00 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	316905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	476338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	128733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	164565	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.59	113	151796	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.09	98	599280	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.40	95	179059	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

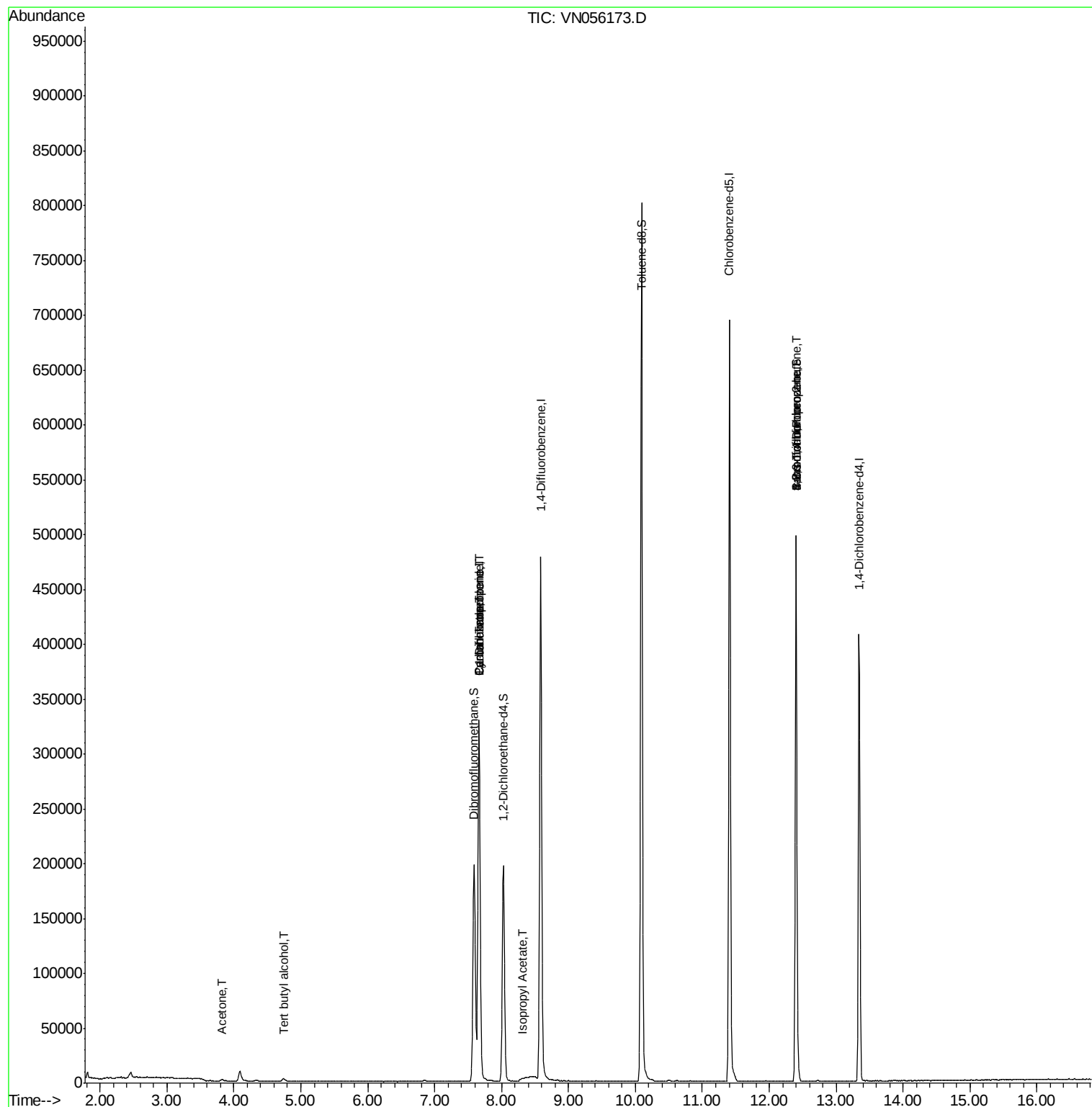
					Qvalue	
11) Tert butyl alcohol	4.74	59	2258	4.124	ug/l #	74
16) Acetone	3.82	43	3024	2.009	ug/l	97
18) Methyl Acetate	4.33	43	1669	Below Cal	#	55
31) Cyclohexane	7.67	56	4476	0.896	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17575	4.291	ug/l #	49
38) Carbon Tetrachloride	7.66	117	25182	6.669	ug/l #	15
43) Isopropyl Acetate	8.31	43	2379	0.403	ug/l #	53
71) Bromoform	12.40	173	1535	3.303	ug/l #	1
73) Isopropylbenzene	12.40	105	30	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	81153	34.260	ug/l #	100
79) 2-Chlorotoluene	12.40	91	527	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	81153	114.092	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: VN056173.D

Acq: 10 Jun 2019 16:38

Instrument :

MSVOA_N

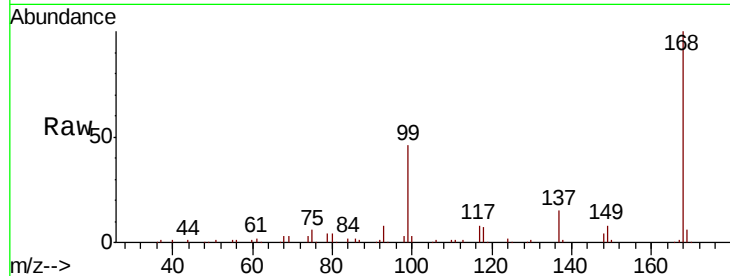
ClientSampleId :

Tot Ion:168 Resp: 316905

Ion Ratio Lower Upper

168 100

99 45.6 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

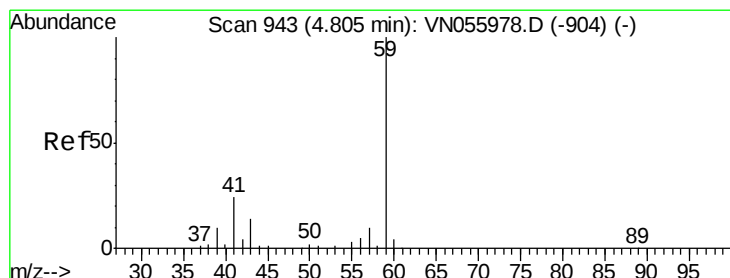
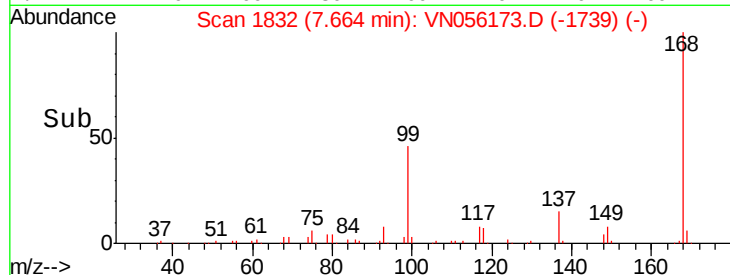
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 4.124 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.06 min

Lab File: VN056173.D

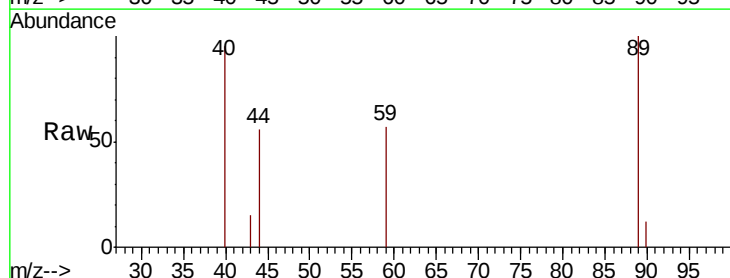
Acq: 10 Jun 2019 16:38

Tgt Ion: 59 Resp: 2258

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

800

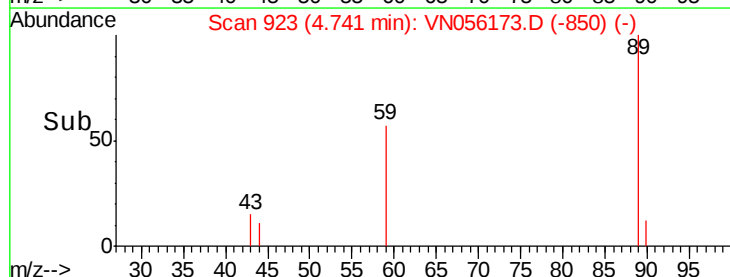
600

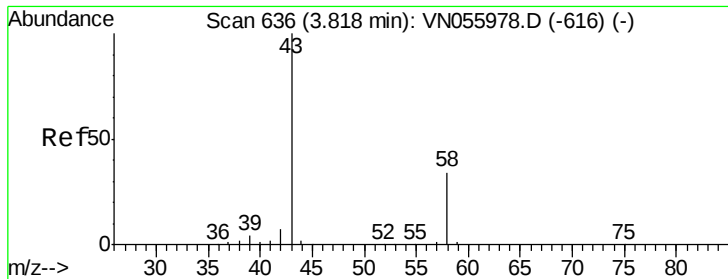
400

200

0

Time--> 4.65 4.70 4.75 4.80





#16

Acetone

Concen: 2.009 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

Instrument :

MSVOA_N

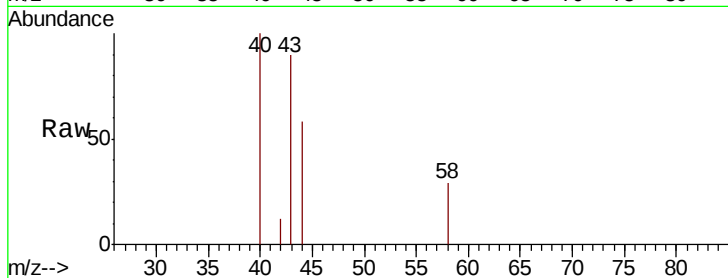
ClientSampleId :

Tot Ion: 43 Resp: 3024

Ion Ratio Lower Upper

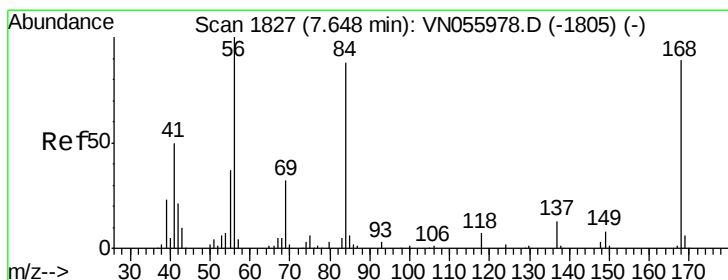
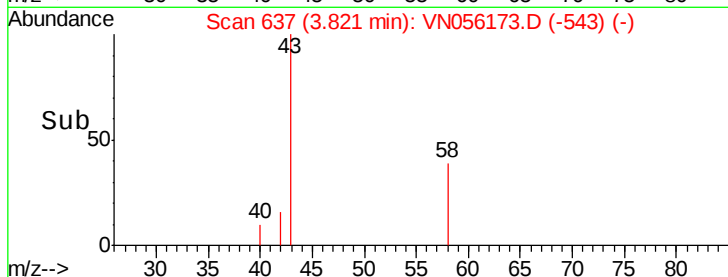
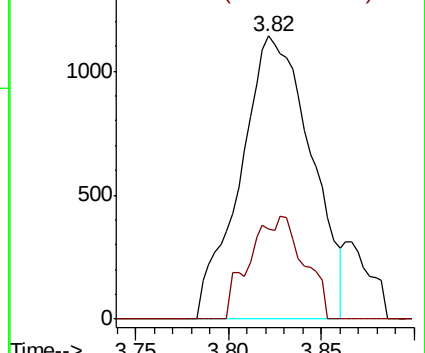
43 100

58 31.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 0.896 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

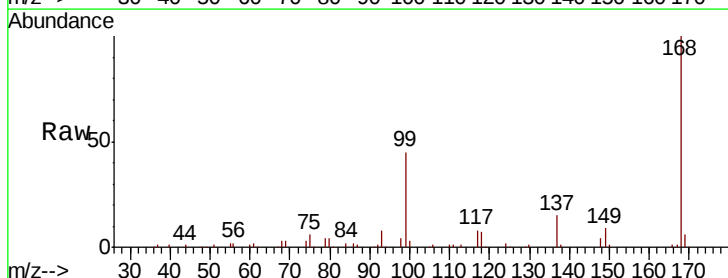
Tgt Ion: 56 Resp: 4476

Ion Ratio Lower Upper

56 100

69 180.7 25.6 38.4#

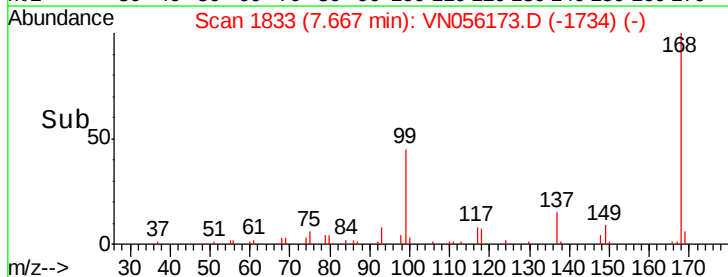
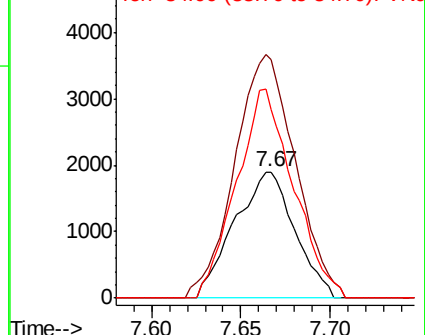
84 149.1 67.4 101.0#

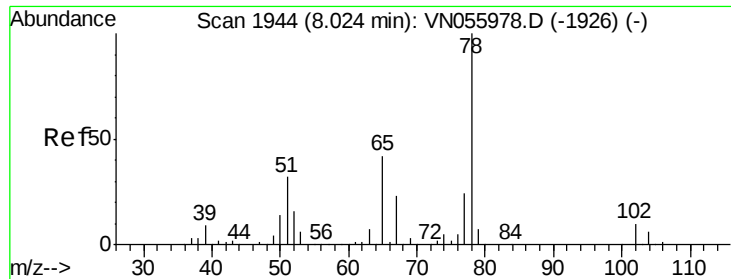


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

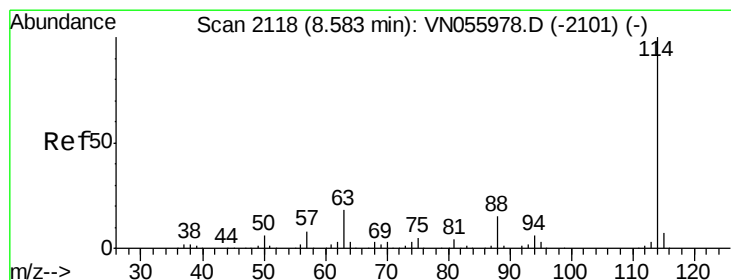
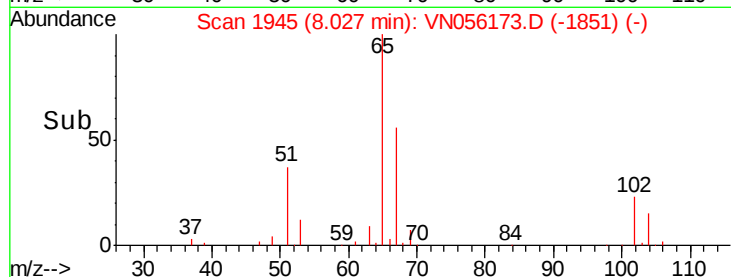
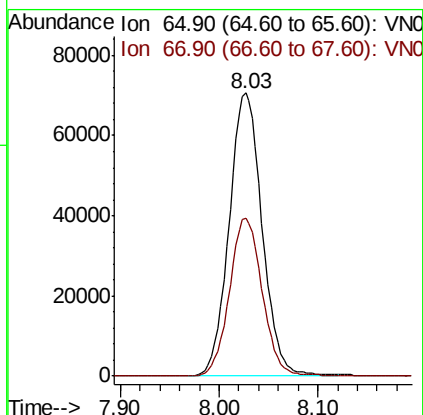
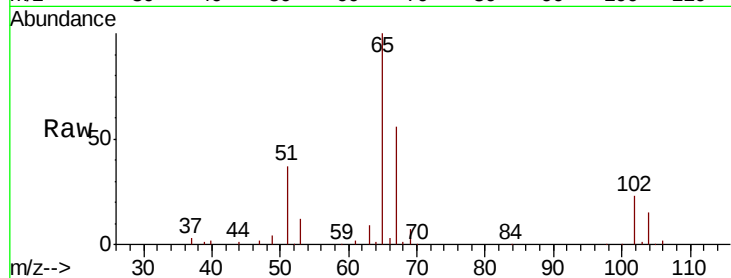




#33
 1,2-Dichloroethane-d4
 Concen: 52.299 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056173.D
 Acq: 10 Jun 2019 16:38

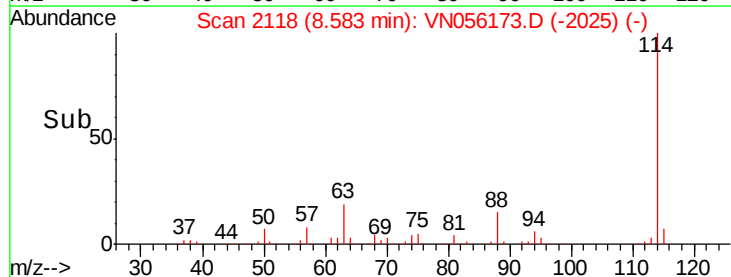
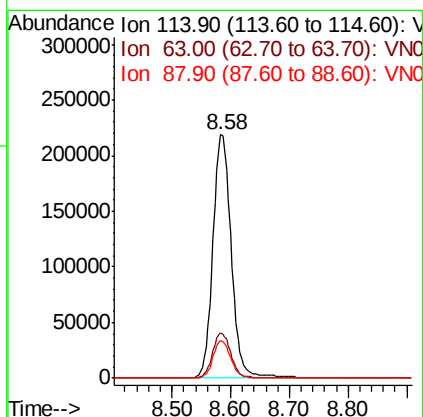
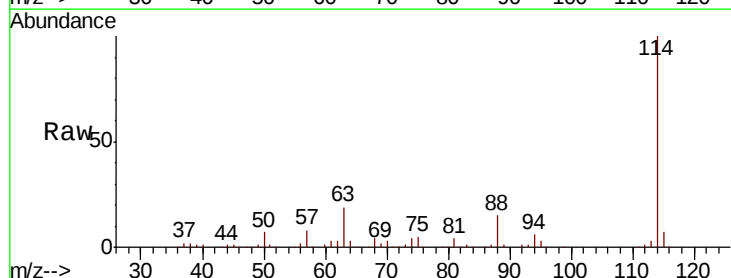
Instrument :
 MSVOA_N
 ClientSampleId :

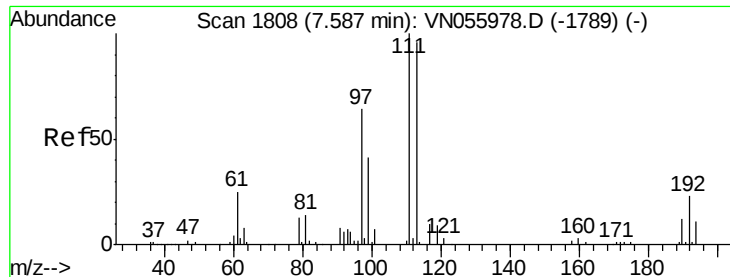
Tot Ion: 65 Resp: 164565
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056173.D
 Acq: 10 Jun 2019 16:38

Tgt Ion: 114 Resp: 476338
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 15.2 0.0 31.0

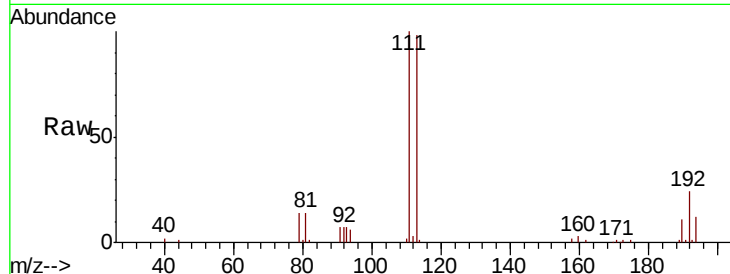




#35
 Dibromofluoromethane
 Concen: 51.941 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056173.D
 Acq: 10 Jun 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	24.7	19.5	29.3

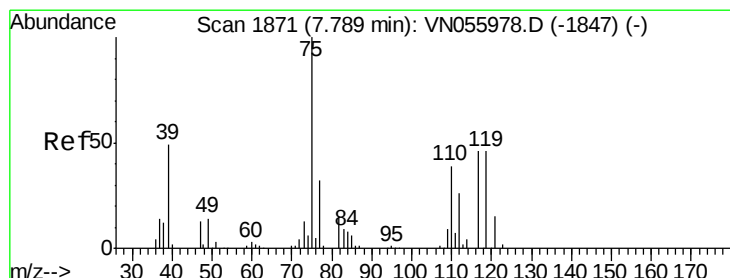
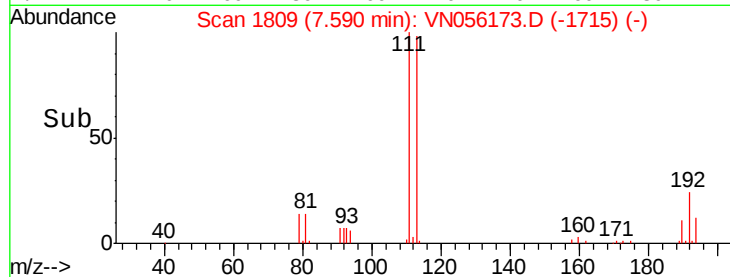
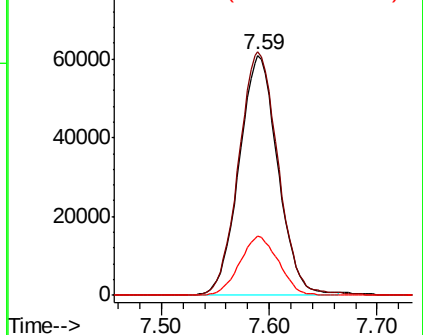


Abundance

Ion 112.80 (112.50 to 113.50): V

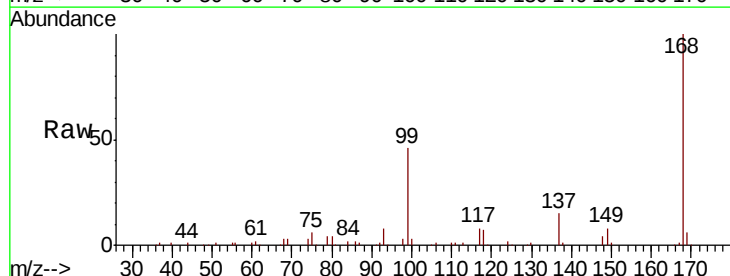
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.291 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056173.D
 Acq: 10 Jun 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	19.0	57.0#
77	0.0	25.1	37.7#

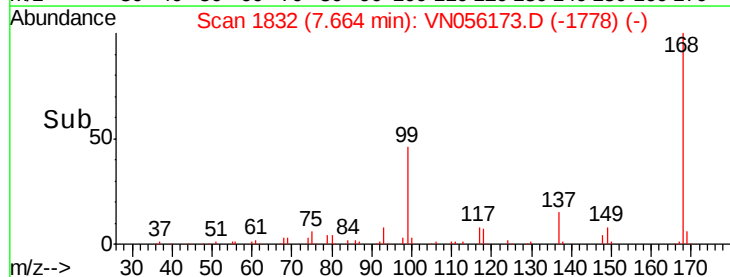
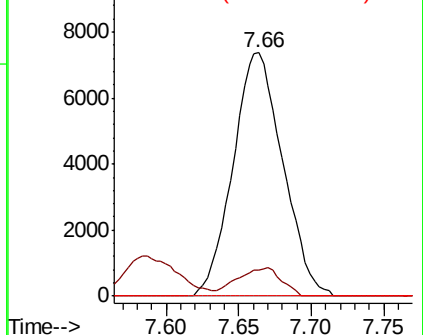


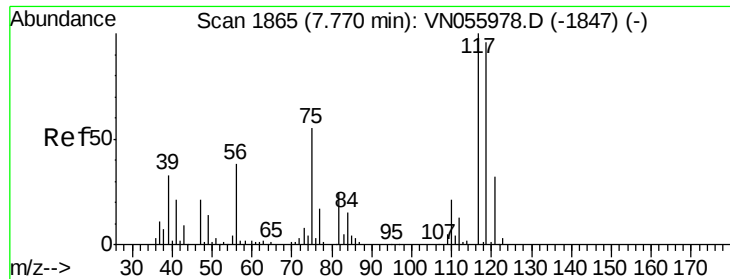
Abundance

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: 6.669 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

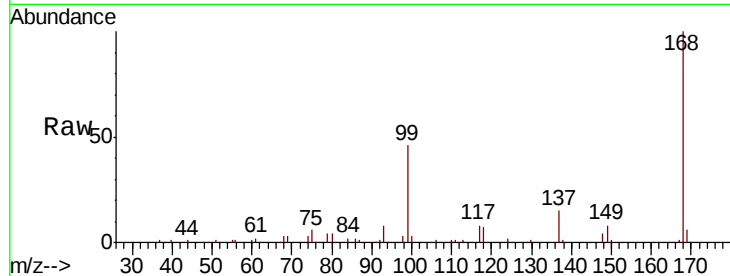
Tot Ion:117 Resp: 25182

Ion Ratio Lower Upper

117 100

119 5.4 79.0 118.6#

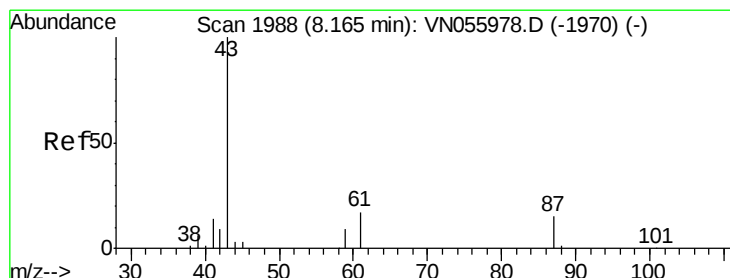
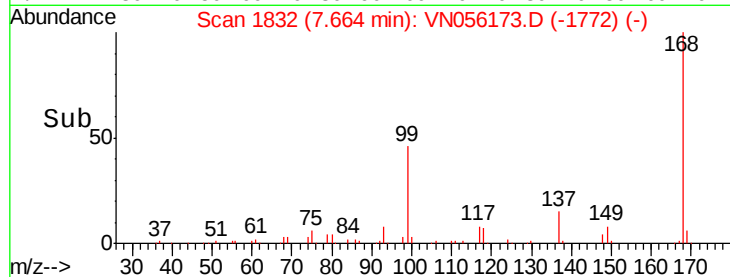
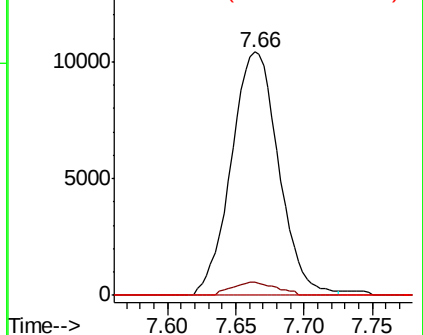
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 0.403 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

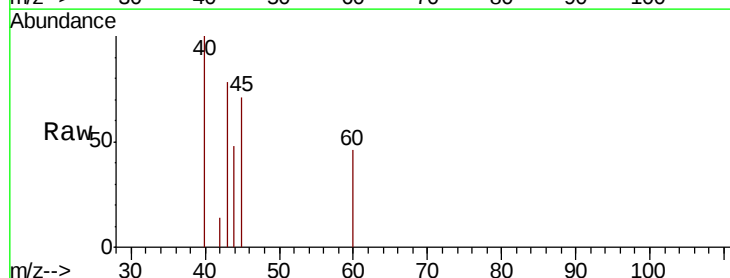
Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

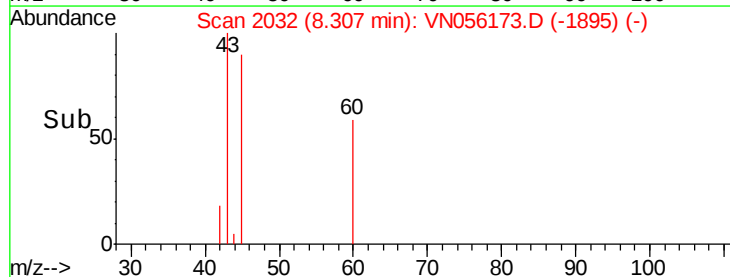
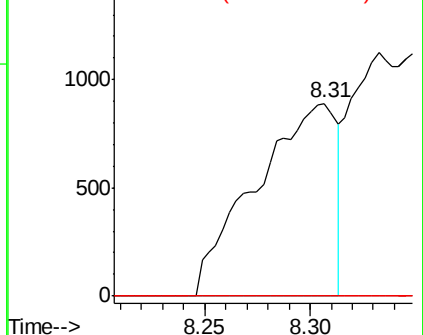
87 0.0 11.4 17.2#

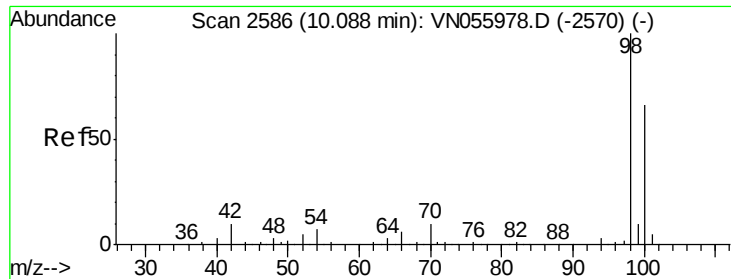


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 53.289 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

Instrument :

MSVOA_N

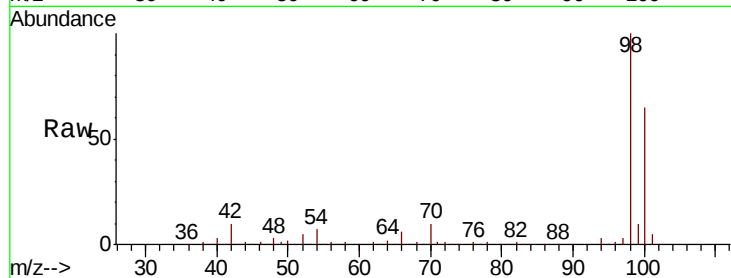
ClientSampled :

Tot Ion: 98 Resp: 599280

Ion Ratio Lower Upper

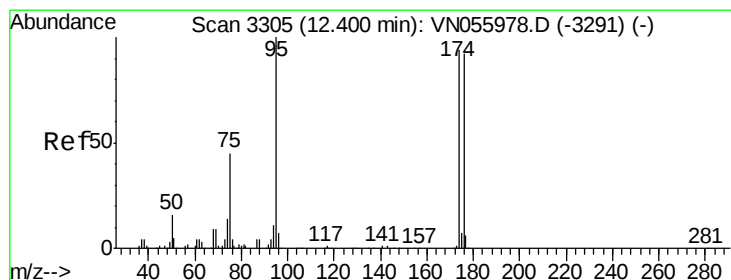
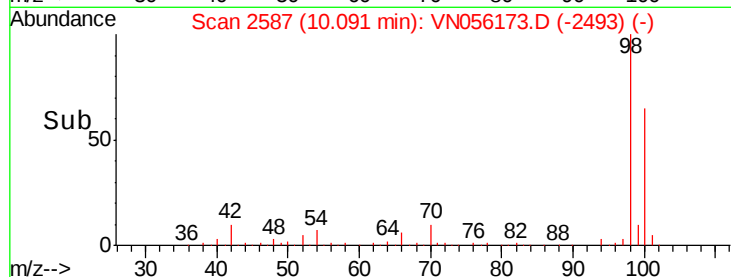
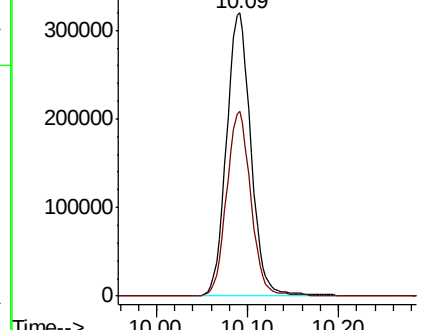
98 100

100 65.0 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) (-)



#62

4-Bromofluorobenzene

Concen: 46.820 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

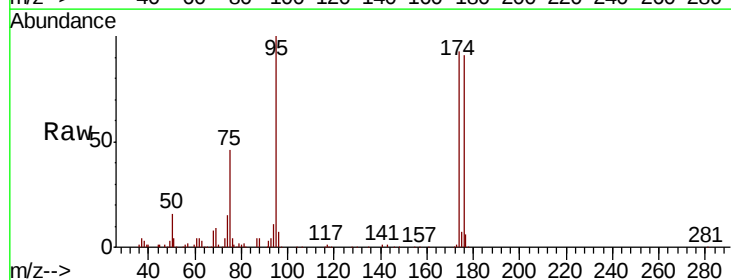
Tgt Ion: 95 Resp: 179059

Ion Ratio Lower Upper

95 100

174 95.1 0.0 191.0

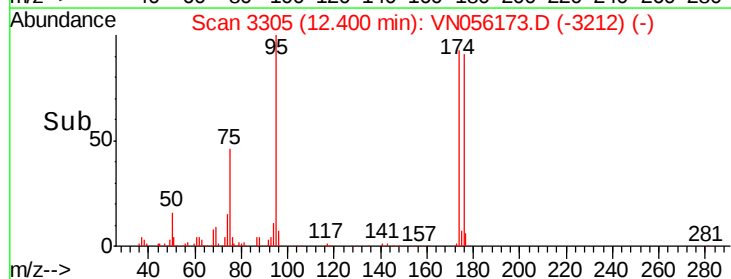
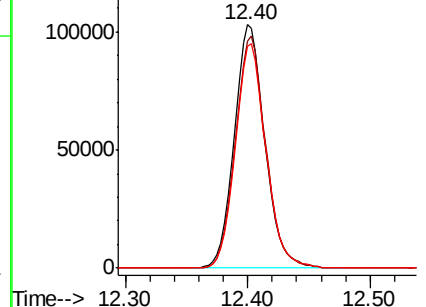
176 92.3 0.0 185.2

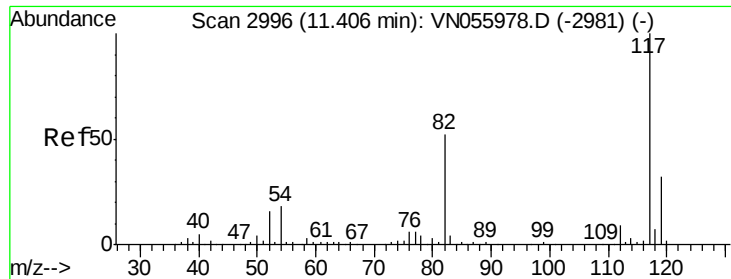


Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

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

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

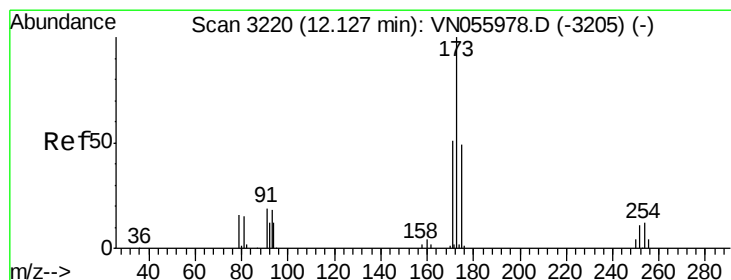
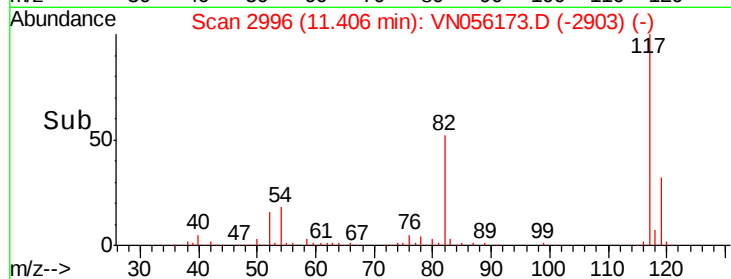
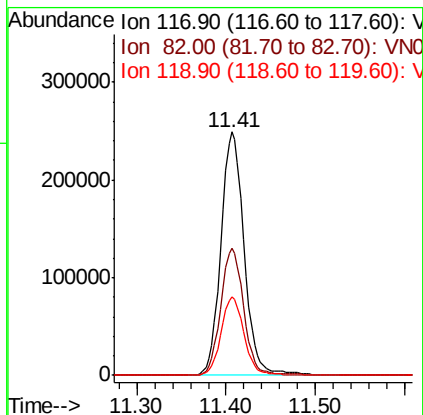
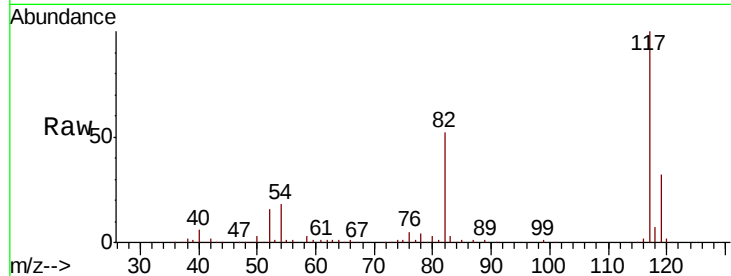




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056173.D
Acq: 10 Jun 2019 16:38

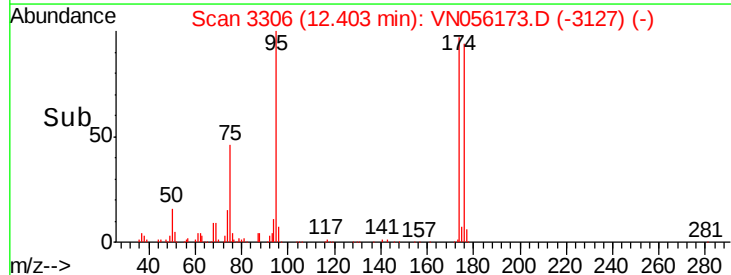
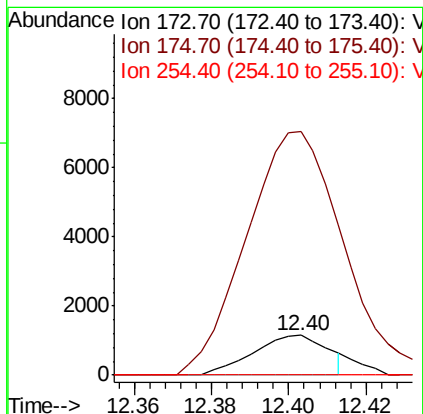
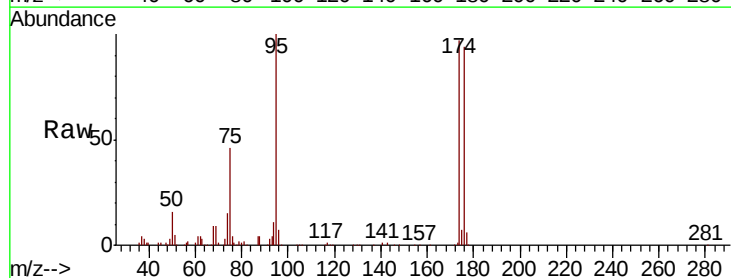
Instrument :
MSVOA_N
ClientSampleId :

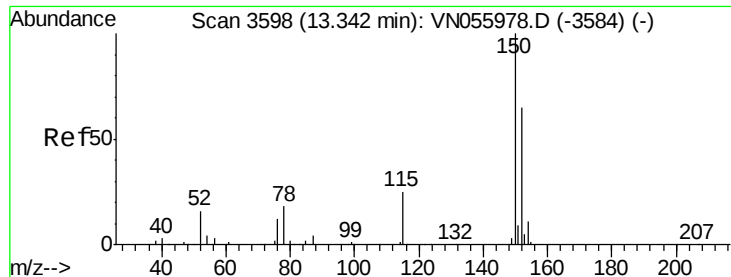
Tot Ion:117 Resp: 448383
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.4 25.4 38.0



#71
Bromoform
Concen: 3.303 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056173.D
Acq: 10 Jun 2019 16:38

Tgt Ion:173 Resp: 1535
Ion Ratio Lower Upper
173 100
175 687.0 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

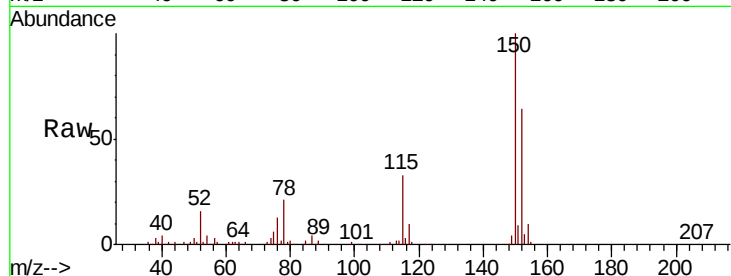
Tot Ion:152 Resp: 128733

Ion Ratio Lower Upper

152 100

115 51.5 27.0 81.0

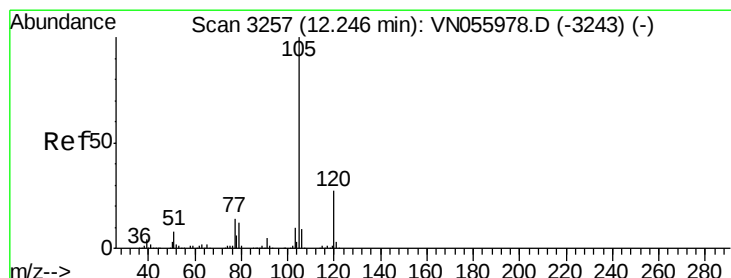
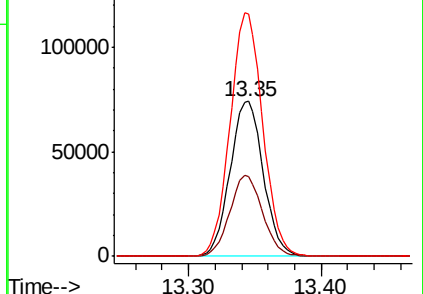
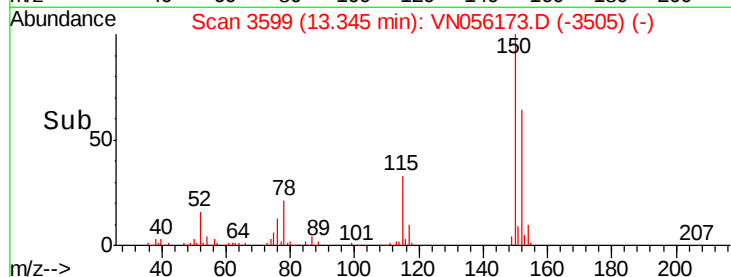
150 154.6 0.0 343.2



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# 3306

Delta R.T. 0.16 min

Lab File: VN056173.D

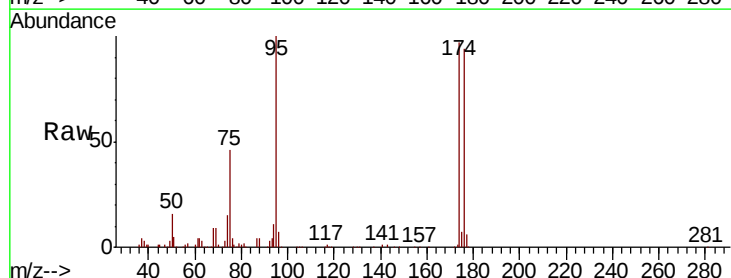
Acq: 10 Jun 2019 16:38

Tgt Ion:105 Resp: 30

Ion Ratio Lower Upper

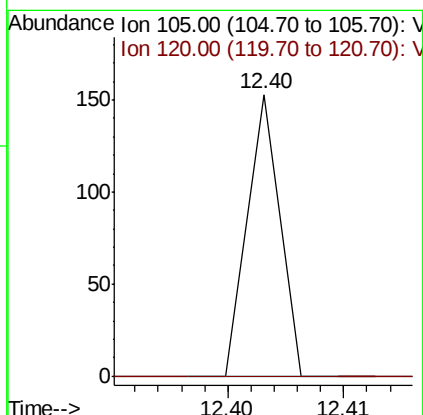
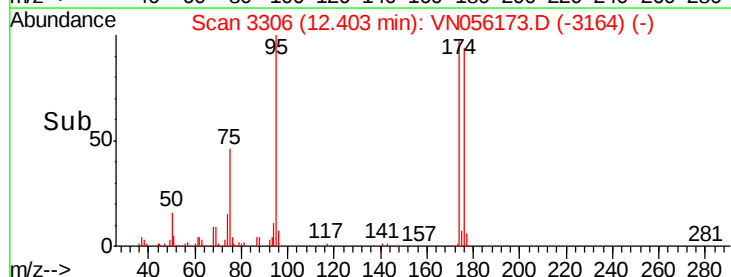
105 100

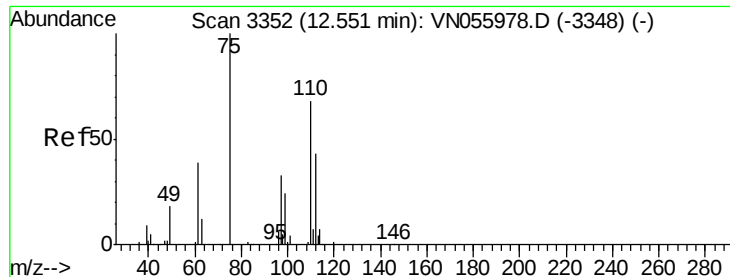
120 0.0 13.6 40.7#



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: 34.260 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

Instrument :

MSVOA_N

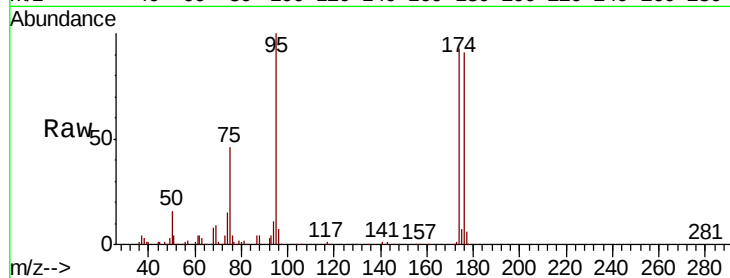
ClientSampled :

Tot Ion: 75 Resp: 81153

Ion Ratio Lower Upper

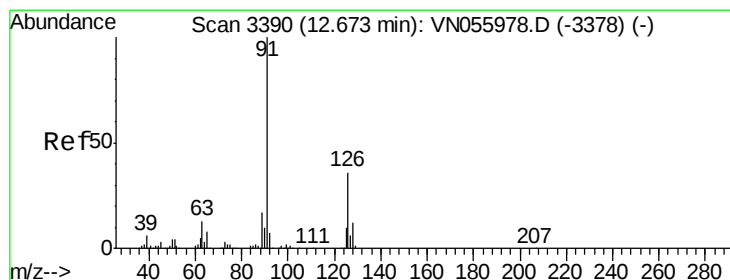
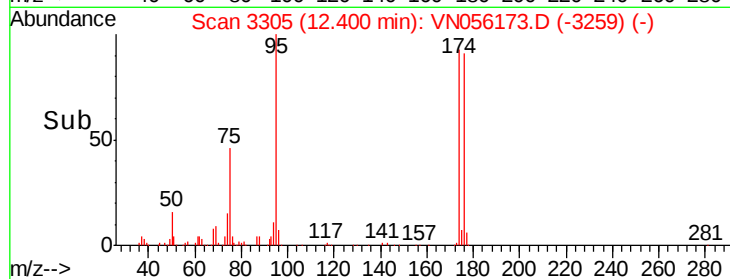
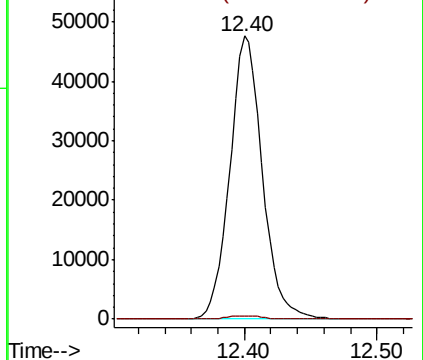
75 100

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# 3305

Delta R.T. -0.27 min

Lab File: VN056173.D

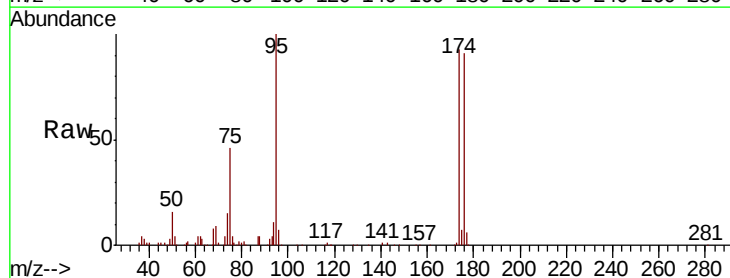
Acq: 10 Jun 2019 16:38

Tgt Ion: 91 Resp: 527

Ion Ratio Lower Upper

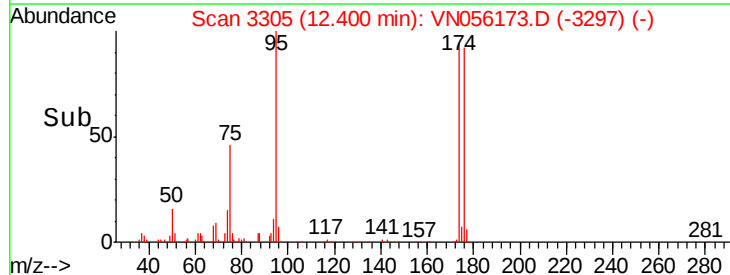
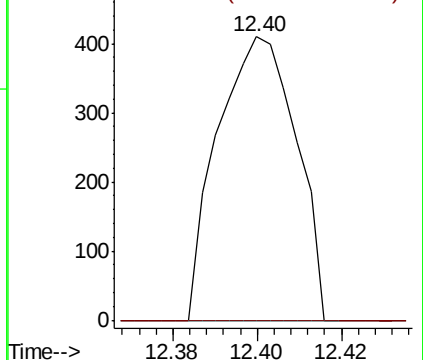
91 100

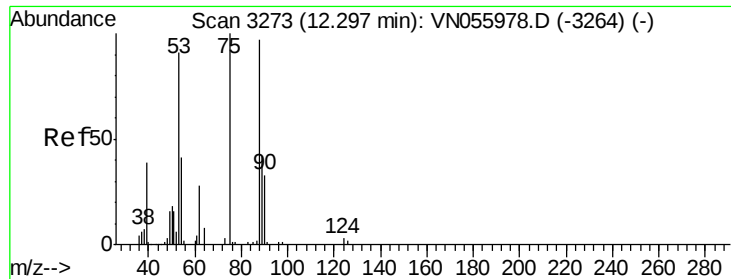
126 0.0 18.1 54.4#



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: 114.092 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056173.D

Acq: 10 Jun 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 81153

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

