

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056105.D
 Acq On : 7 Jun 2019 18:04
 Operator : JC/SP
 Sample : K3251-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 08 05:12:40 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	329702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	465657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142596	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	161675	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
35) Dibromofluoromethane	7.59	113	145651	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
50) Toluene-d8	10.09	98	595326	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	184579	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	

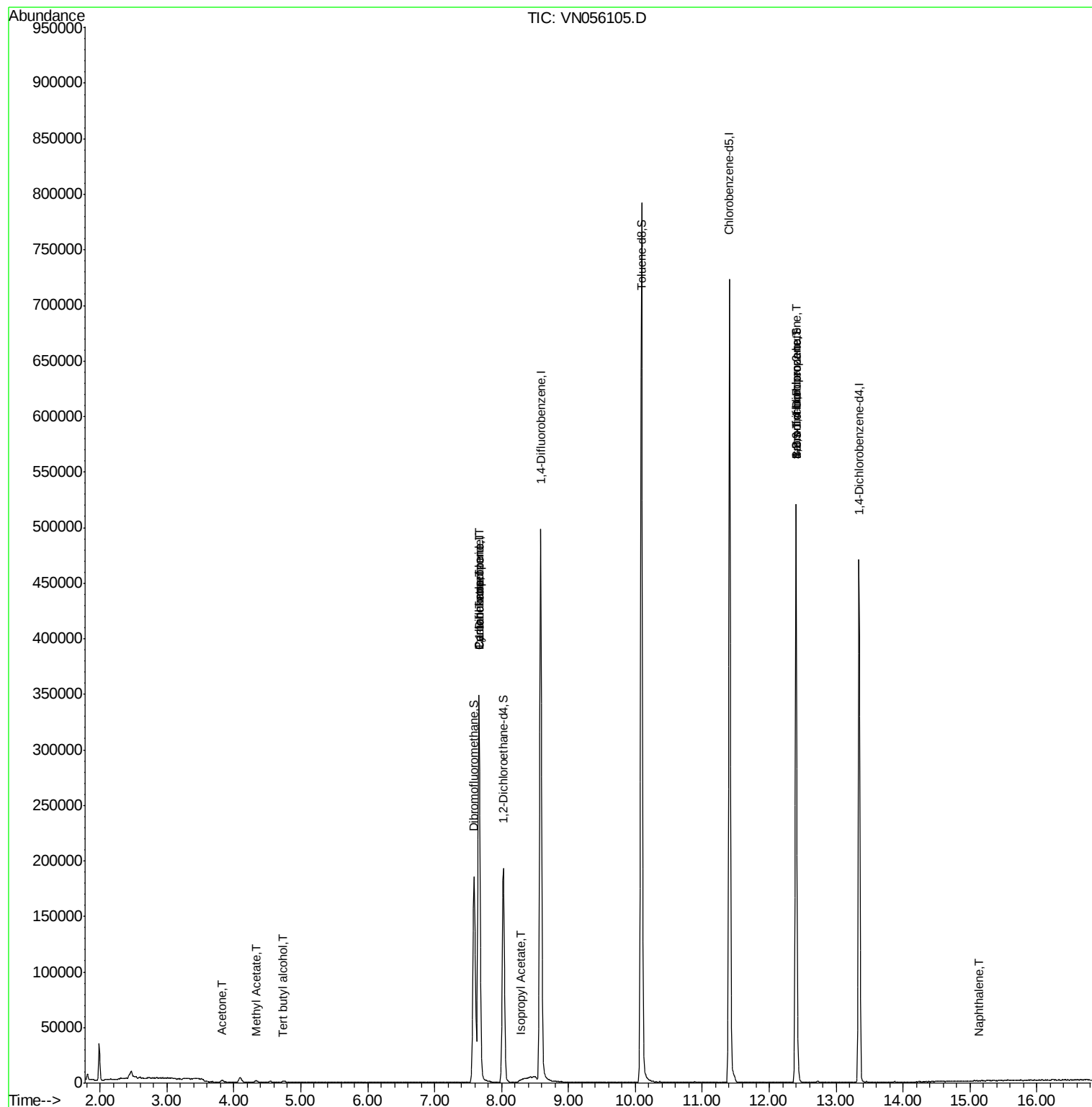
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	305	0.535	ug/l #	74
16) Acetone	3.83	43	3376	2.156	ug/l	91
18) Methyl Acetate	4.34	43	2707	0.306	ug/l #	84
31) Cyclohexane	7.66	56	4794	0.923	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19528	4.539	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27105	6.833	ug/l #	15
43) Isopropyl Acetate	8.27	43	1522	0.245	ug/l #	53
71) Bromoform	12.40	173	1473	3.260	ug/l #	1
73) Isopropylbenzene	12.25	105	31	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	84440	32.182	ug/l #	100
79) 2-Chlorotoluene	12.59	91	65	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	84440	107.172	ug/l #	15
95) Naphthalene	15.13	128	170	3.874	ug/l #	69

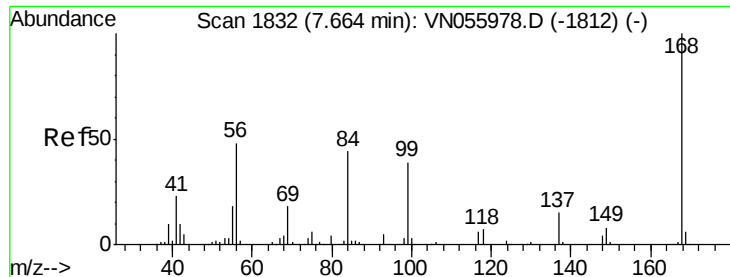
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA_N

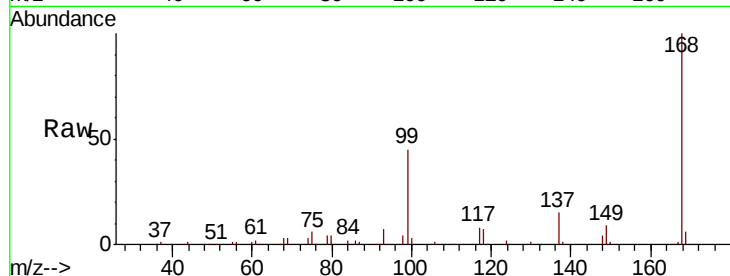
ClientSampleId :

Tot Ion:168 Resp: 329702

Ion Ratio Lower Upper

168 100

99 44.8 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

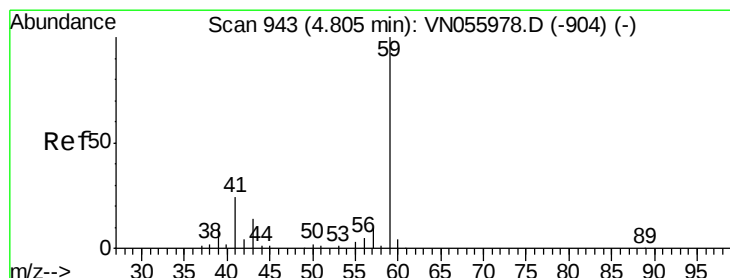
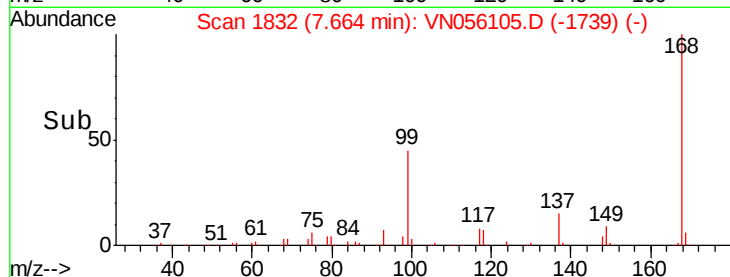
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.535 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.08 min

Lab File: VN056105.D

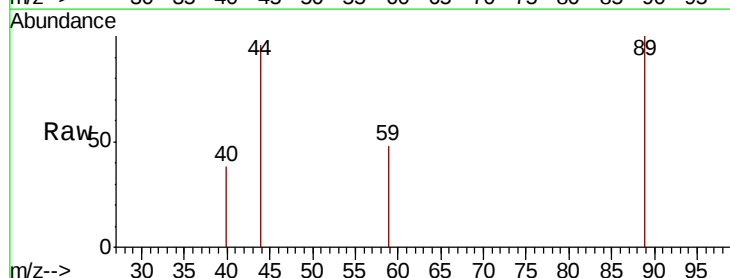
Acq: 7 Jun 2019 18:04

Tgt Ion: 59 Resp: 305

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

4.73

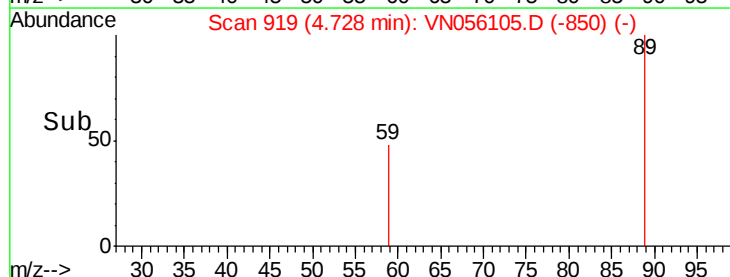
300

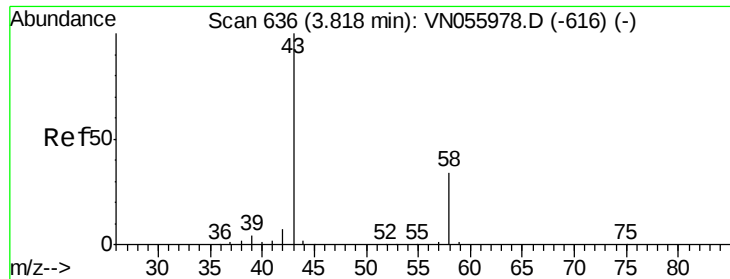
200

100

0

Time-->





#16

Acetone

Concen: 2.156 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA_N

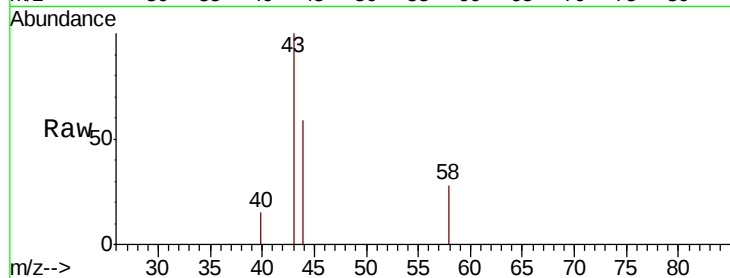
ClientSampled :

Tot Ion: 43 Resp: 3376

Ion Ratio Lower Upper

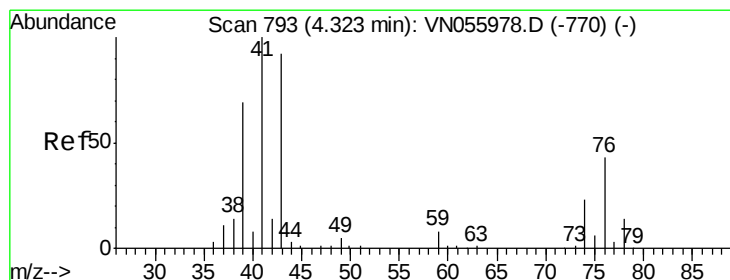
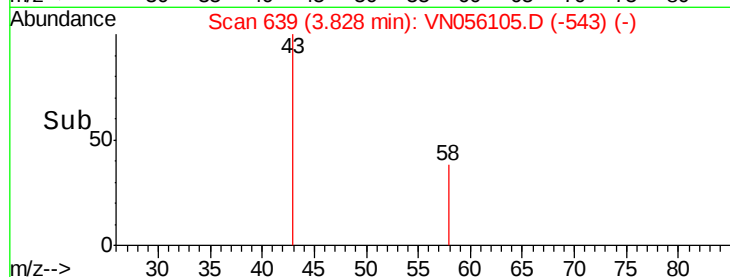
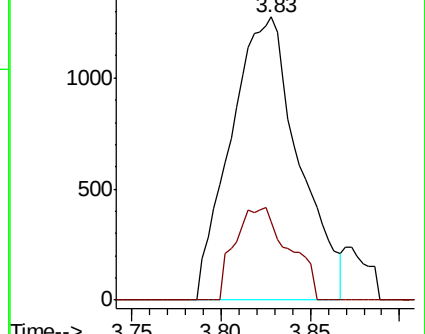
43 100

58 27.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.306 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056105.D

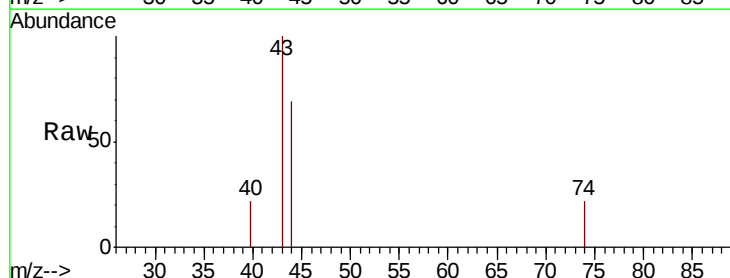
Acq: 7 Jun 2019 18:04

Tgt Ion: 43 Resp: 2707

Ion Ratio Lower Upper

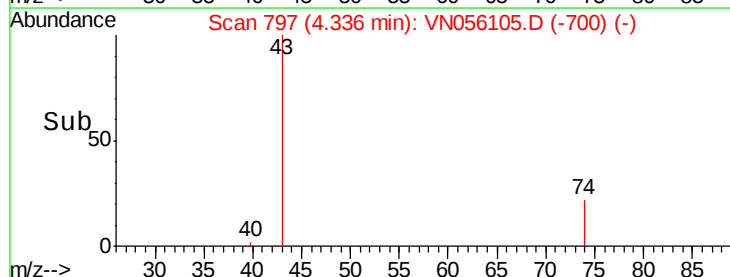
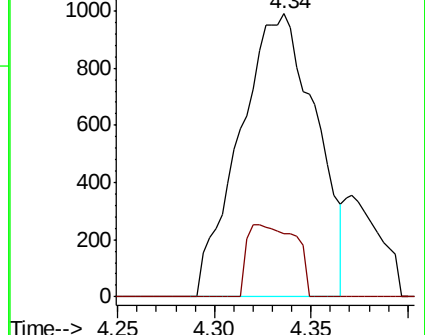
43 100

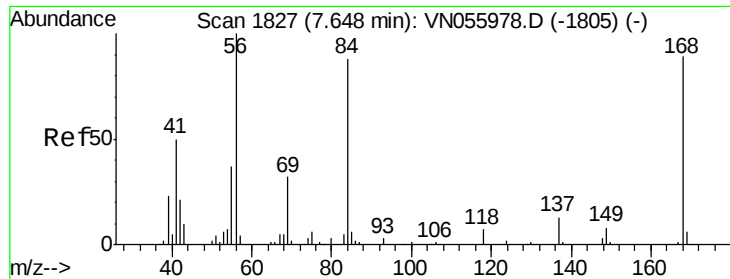
74 16.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

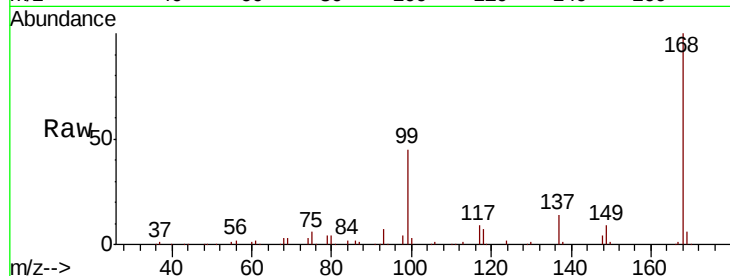




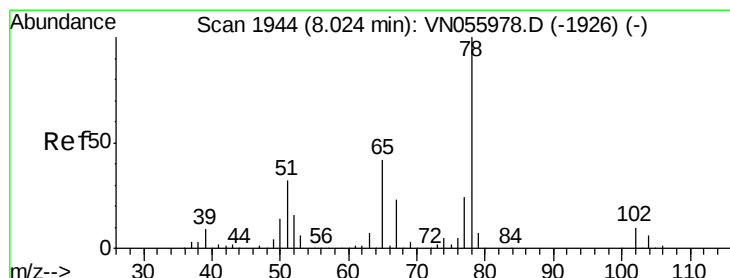
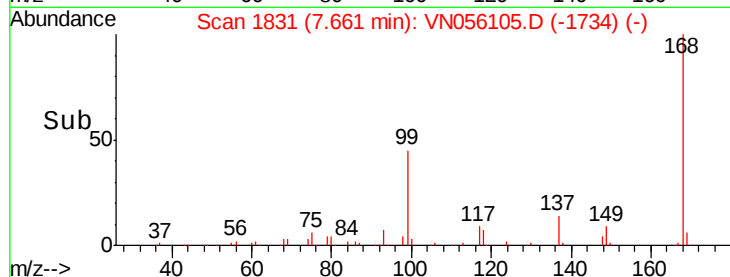
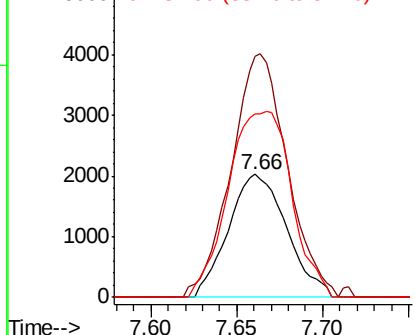
#31
Cyclohexane
Concen: 0.923 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056105.D
Acq: 7 Jun 2019 18:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4794
Ion Ratio Lower Upper
56 100
69 196.0 25.6 38.4#
84 149.4 67.4 101.0#

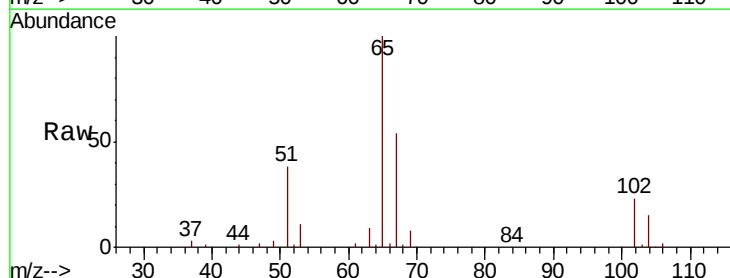


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

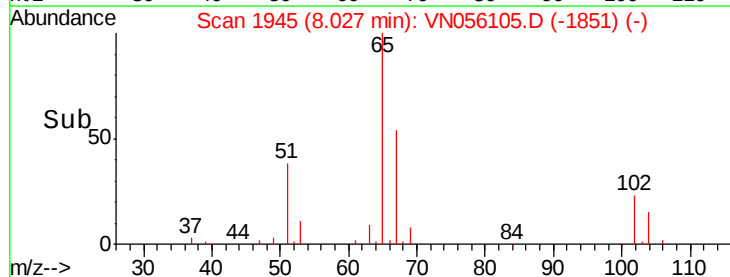
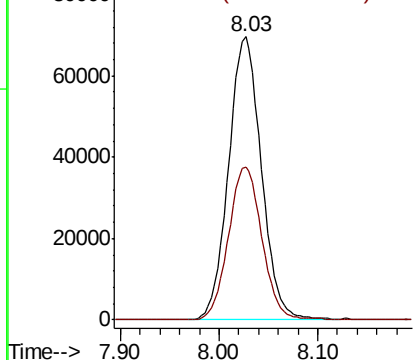


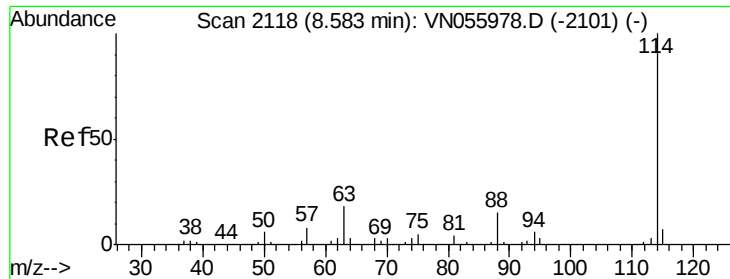
#33
1,2-Dichloroethane-d4
Concen: 49.387 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056105.D
Acq: 7 Jun 2019 18:04

Tgt Ion: 65 Resp: 161675
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

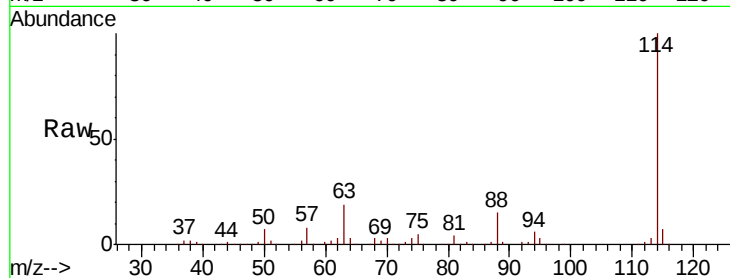




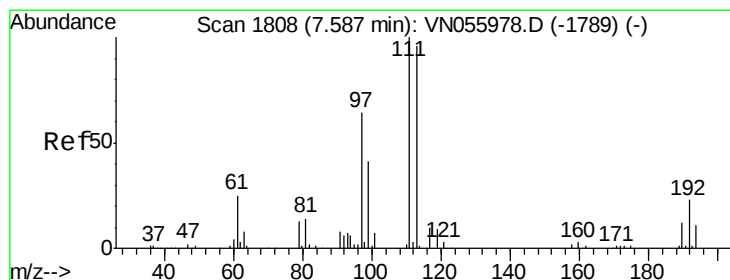
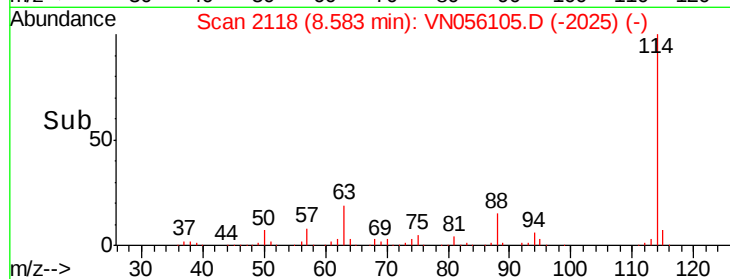
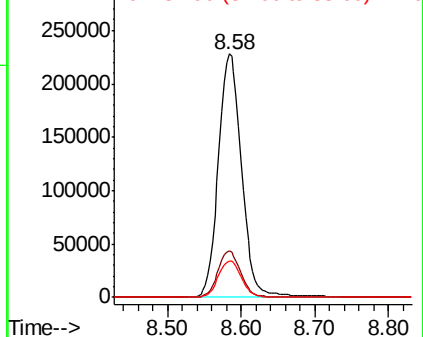
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056105.D
Acq: 7 Jun 2019 18:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 500400
Ion Ratio Lower Upper
114 100
63 19.3 0.0 39.2
88 15.1 0.0 31.0

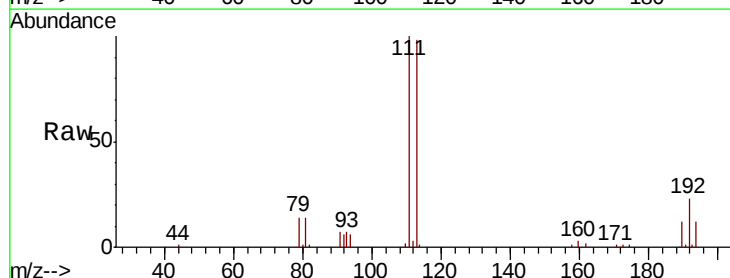


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

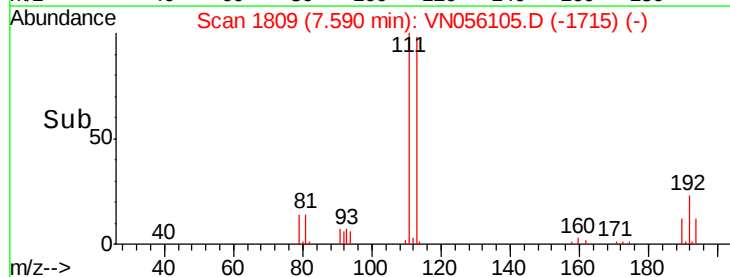
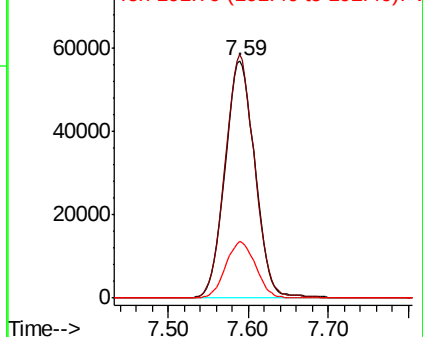


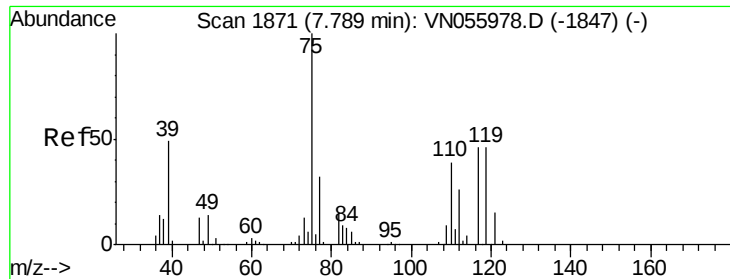
#35
Dibromofluoromethane
Concen: 47.441 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056105.D
Acq: 7 Jun 2019 18:04

Tgt Ion:113 Resp: 145651
Ion Ratio Lower Upper
113 100
111 100.5 81.9 122.9
192 23.6 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

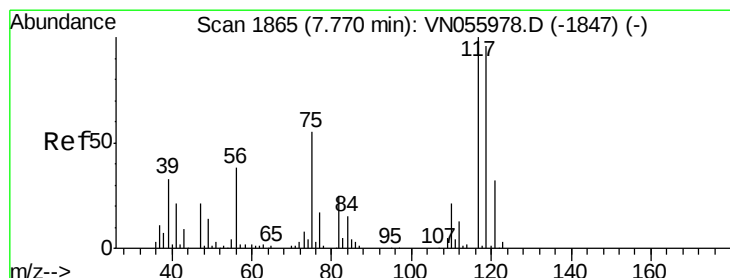
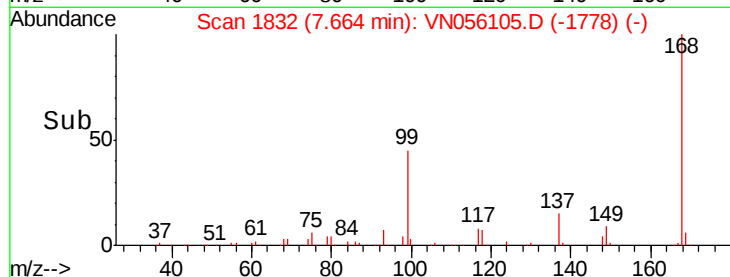
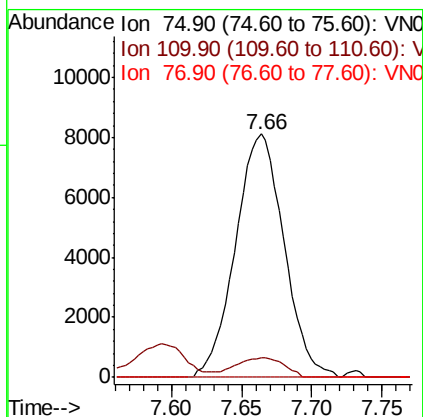
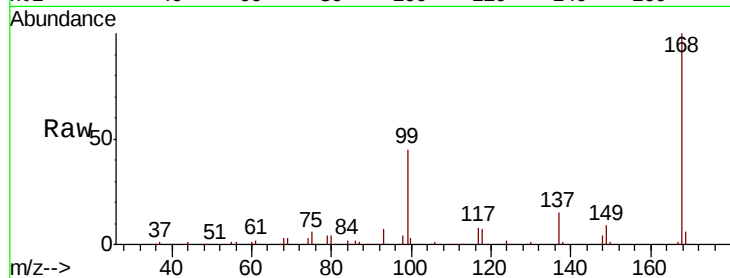




#36
 1,1-Dichloropropene
 Concen: 4.539 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056105.D
 Acq: 7 Jun 2019 18:04

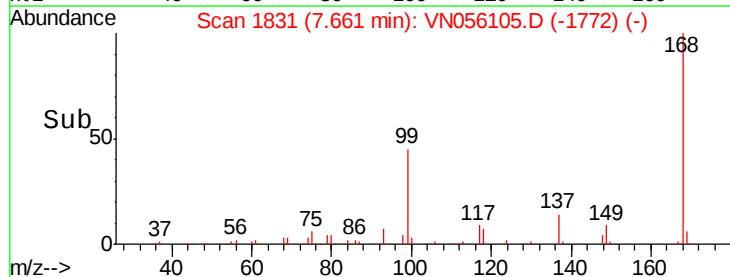
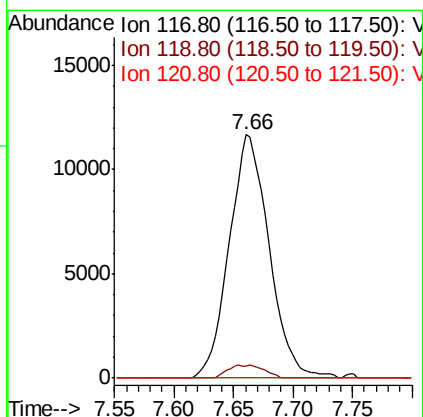
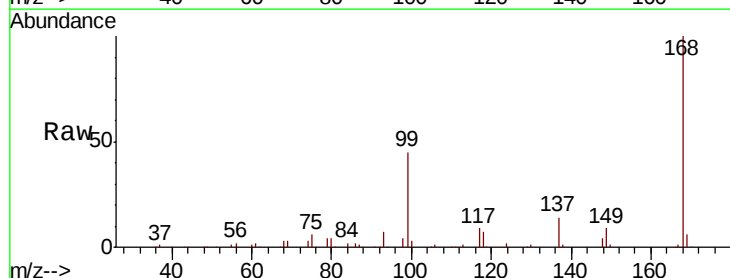
Instrument :
 MSVOA_N
 ClientSampled :

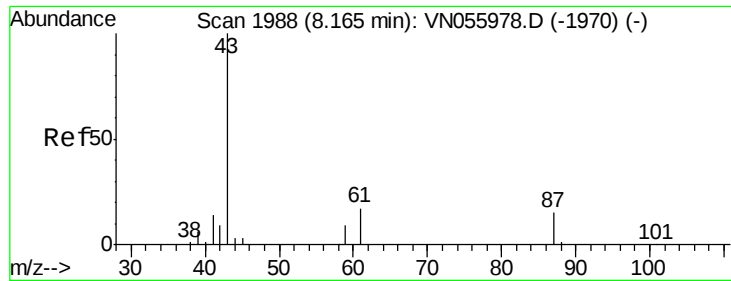
Tot Ion: 75 Resp: 19528
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.833 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056105.D
 Acq: 7 Jun 2019 18:04

Tgt Ion: 117 Resp: 27105
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.0 118.6#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.245 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

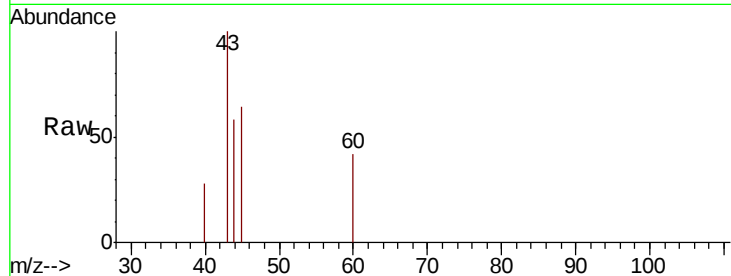
Tot Ion: 43 Resp: 1522

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

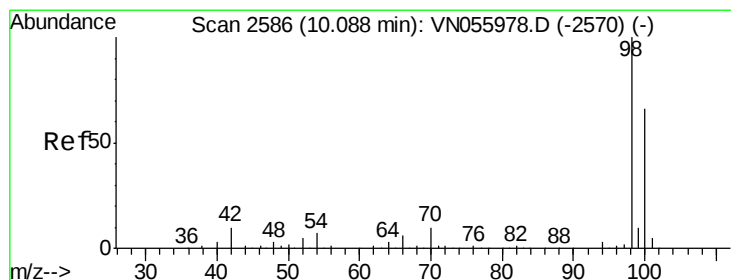
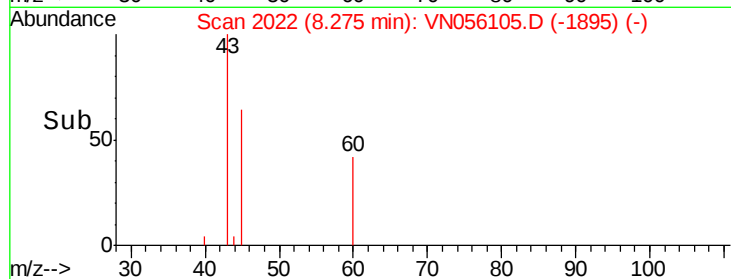
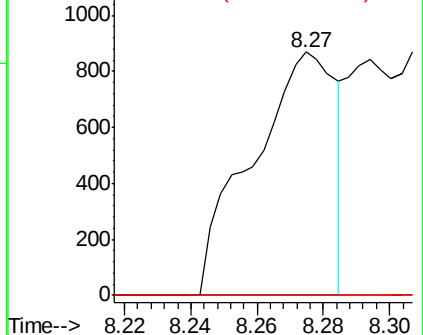
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#50

Toluene-d8

Concen: 50.392 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056105.D

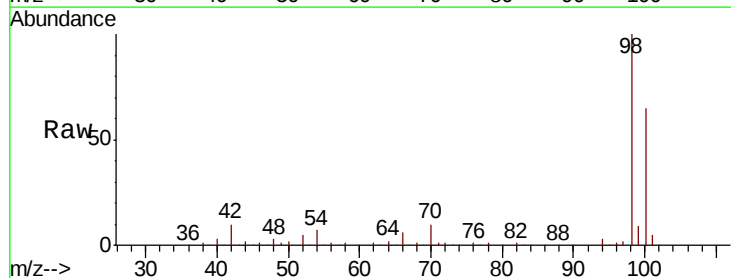
Acq: 7 Jun 2019 18:04

Tgt Ion: 98 Resp: 595326

Ion Ratio Lower Upper

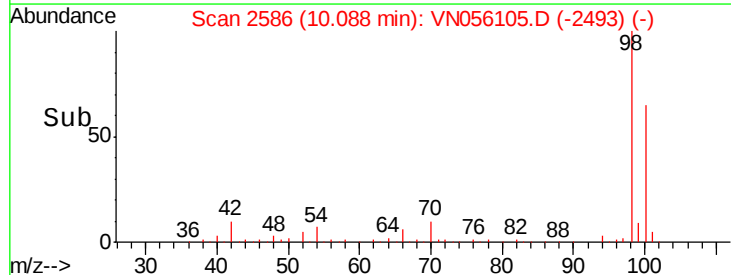
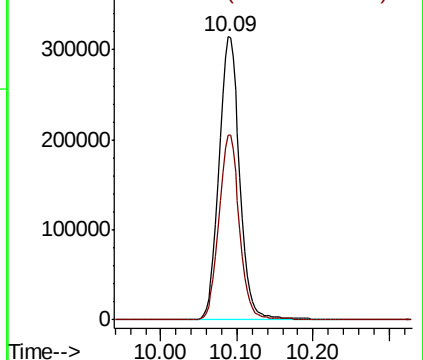
98 100

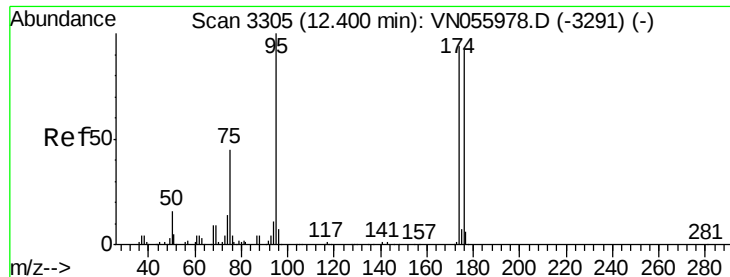
100 64.8 51.9 77.9



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

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

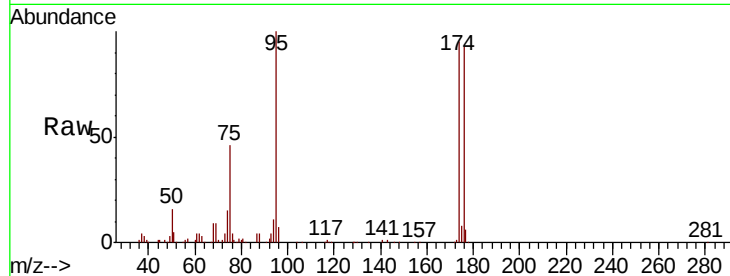




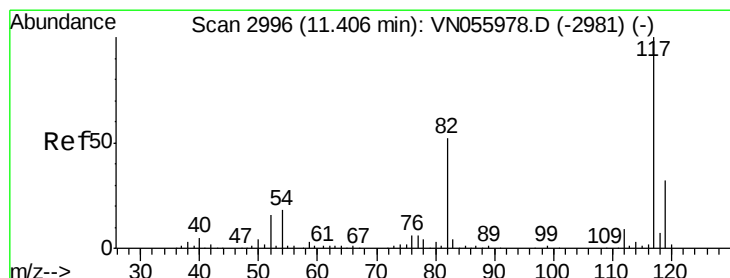
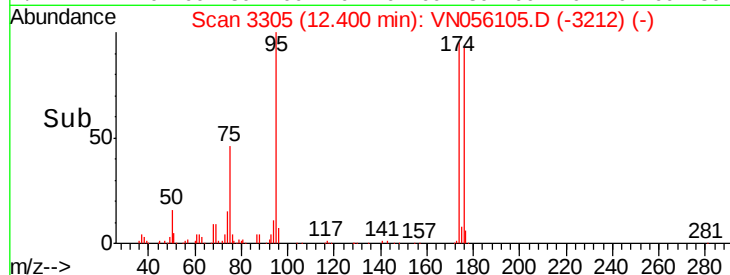
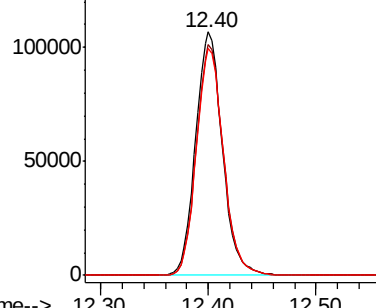
#62
4-Bromofluorobenzene
Concen: 45.943 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056105.D
Acq: 7 Jun 2019 18:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 95 Resp: 184579
Ion Ratio Lower Upper
95 100
174 95.5 0.0 191.0
176 93.9 0.0 185.2

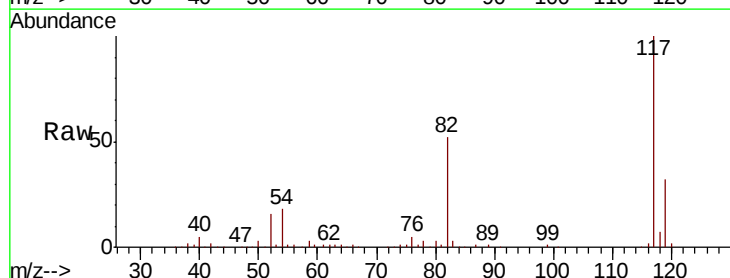


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): VN0
Ion 175.80 (175.50 to 176.50): VN0

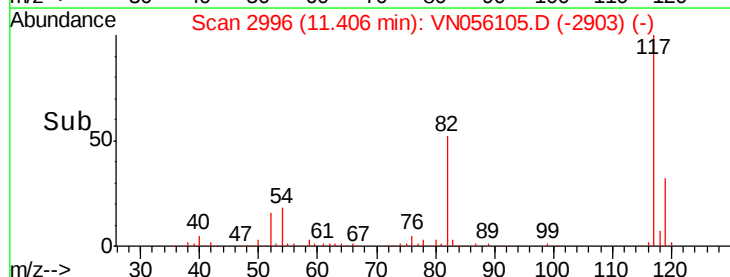
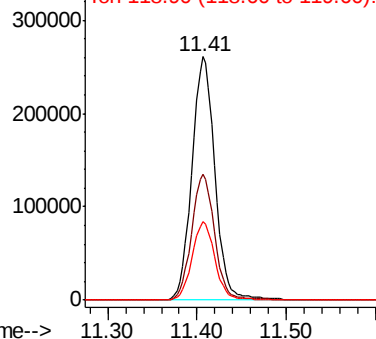


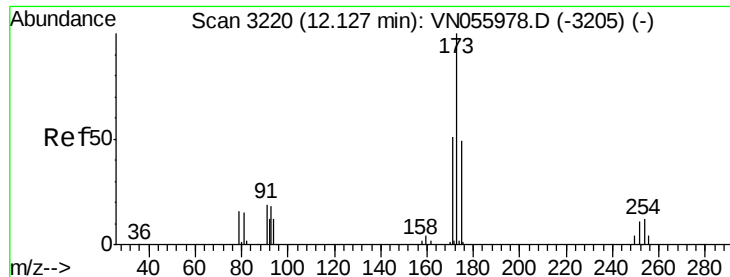
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056105.D
Acq: 7 Jun 2019 18:04

Tgt Ion: 117 Resp: 465657
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.0 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN0
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 3.260 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

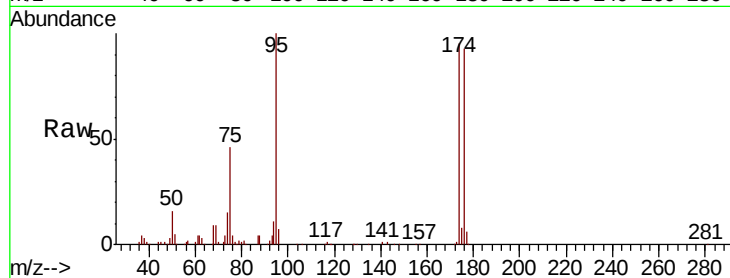
Tot Ion:173 Resp: 1473

Ion Ratio Lower Upper

173 100

175 800.4 24.3 72.8#

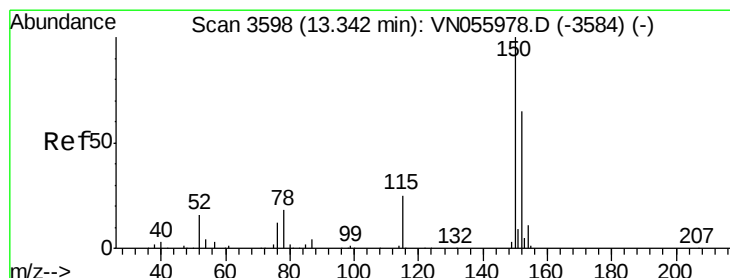
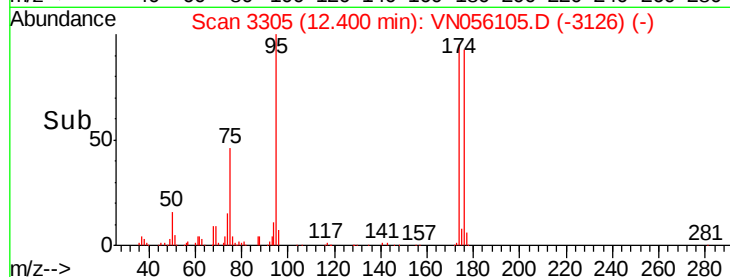
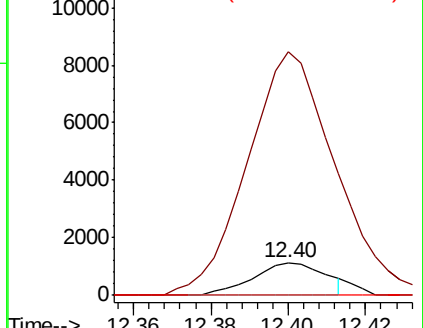
254 0.0 0.0 0.0



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: VN056105.D

Acq: 7 Jun 2019 18:04

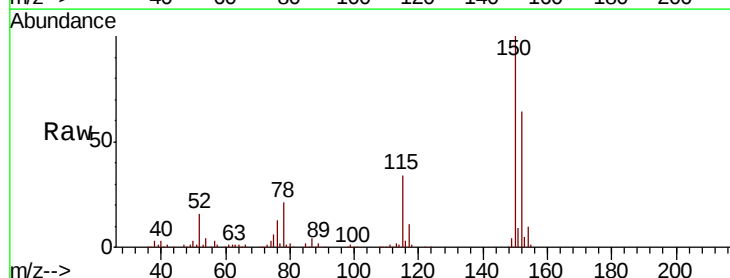
Tgt Ion:152 Resp: 142596

Ion Ratio Lower Upper

152 100

115 53.4 27.0 81.0

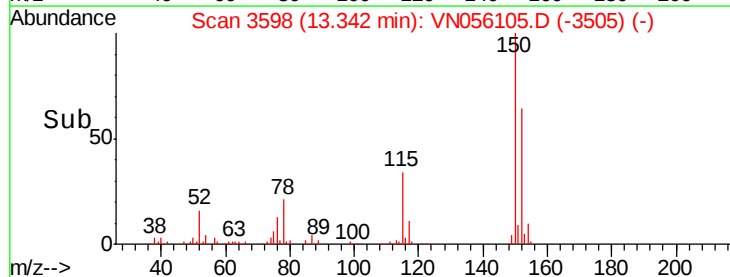
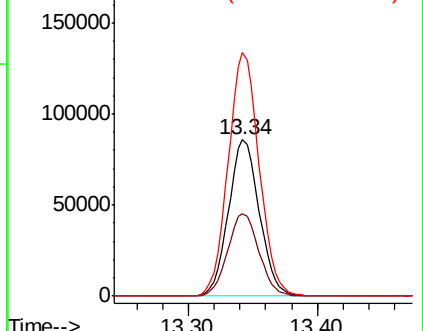
150 156.1 0.0 343.2

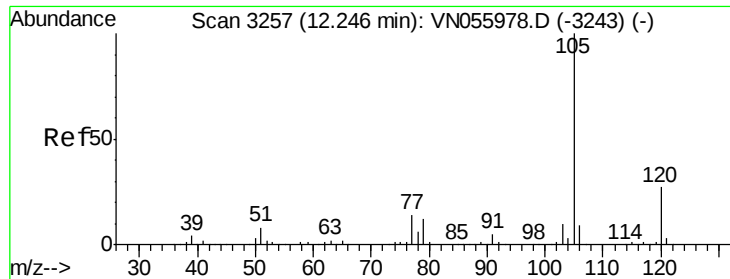


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA_N

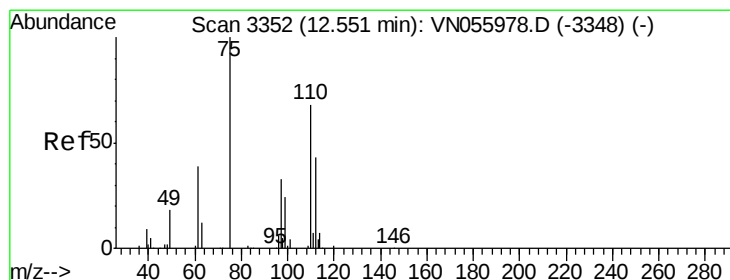
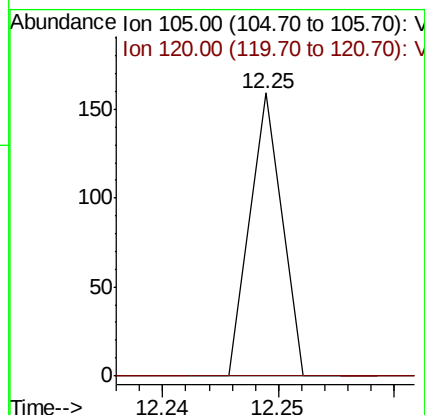
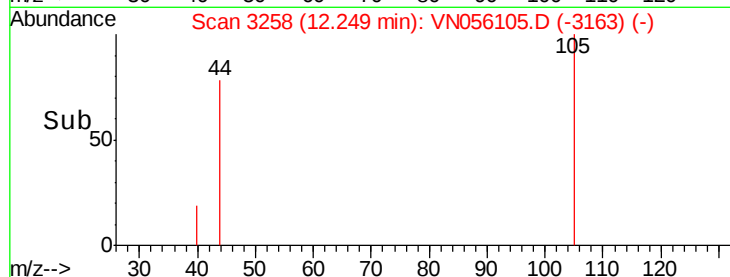
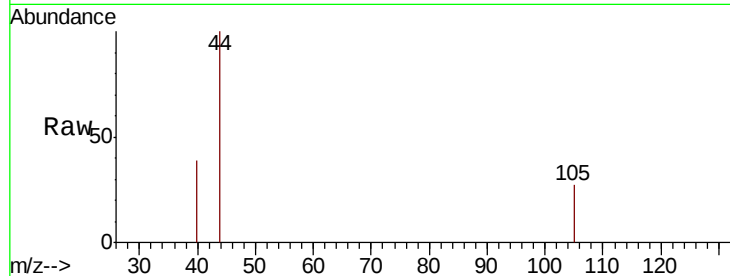
ClientSampleId :

Tot Ion:105 Resp: 31

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 32.182 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056105.D

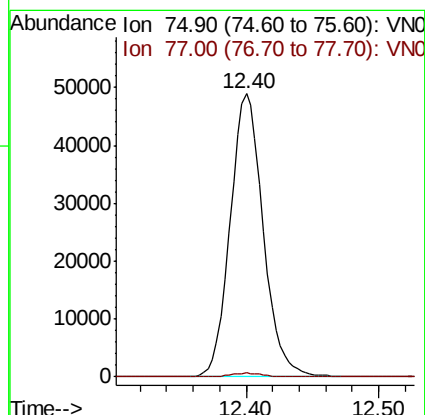
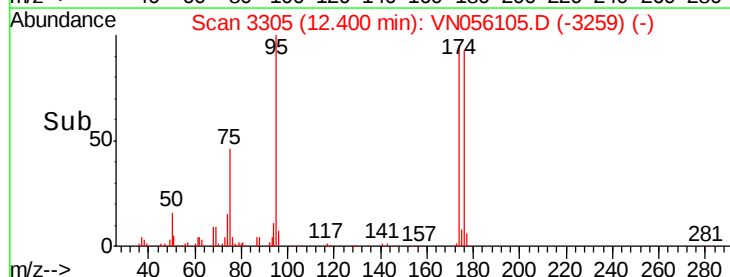
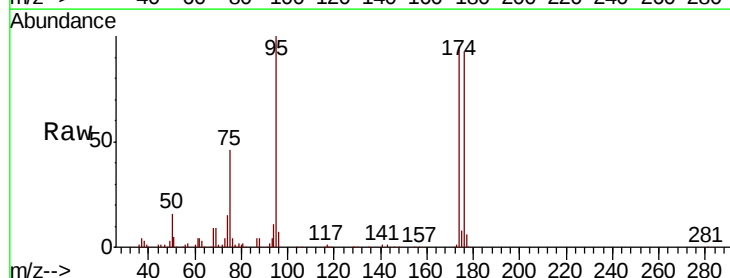
Acq: 7 Jun 2019 18:04

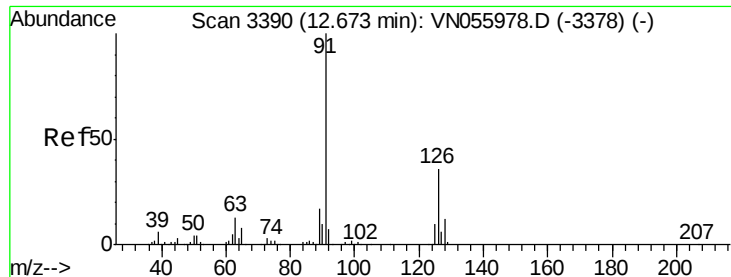
Tgt Ion: 75 Resp: 84440

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA_N

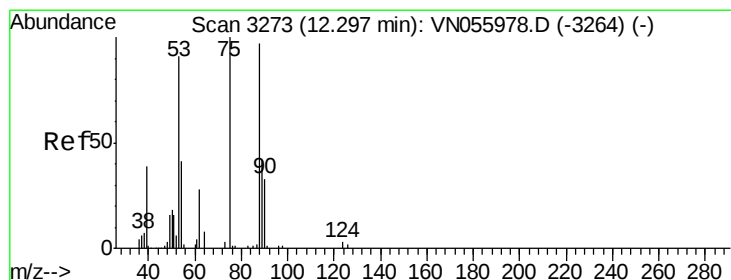
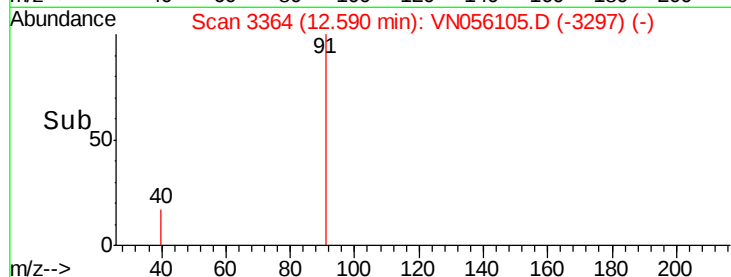
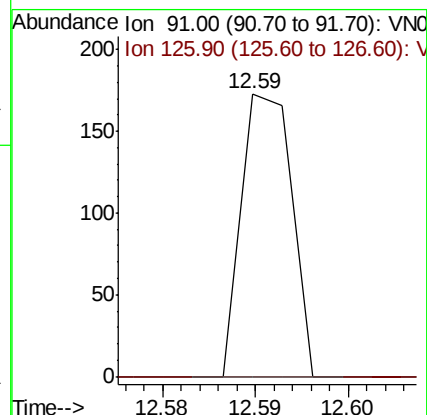
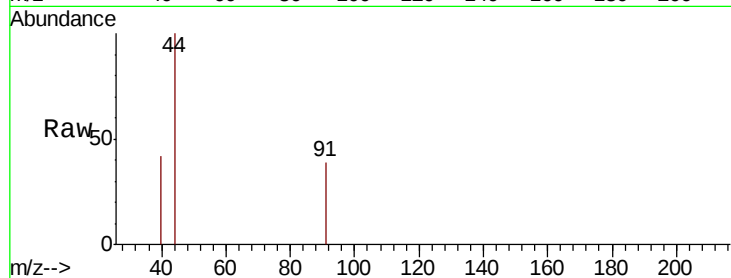
ClientSampleId :

Tot Ion: 91 Resp: 65

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.172 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

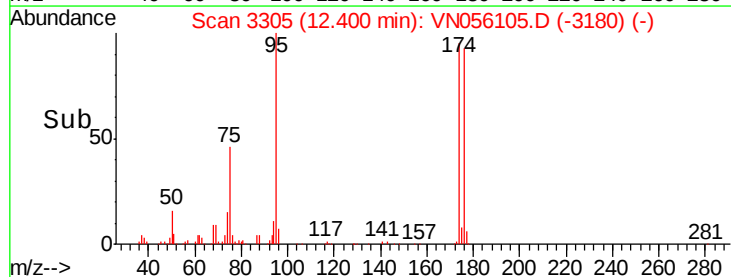
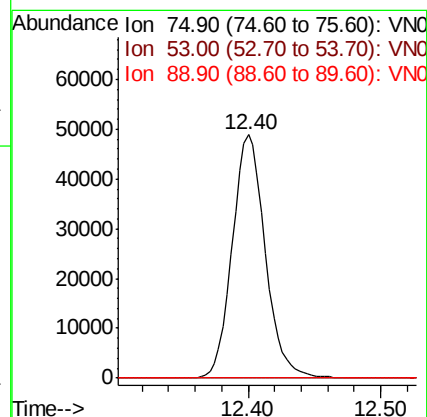
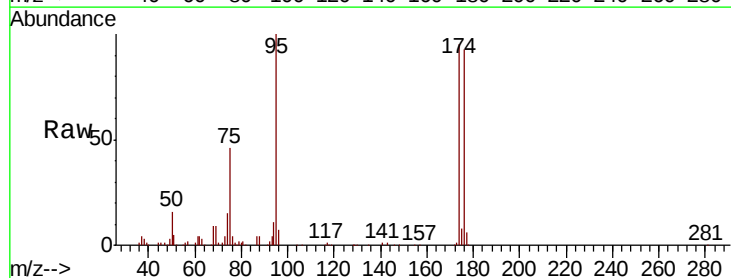
Tgt Ion: 75 Resp: 84440

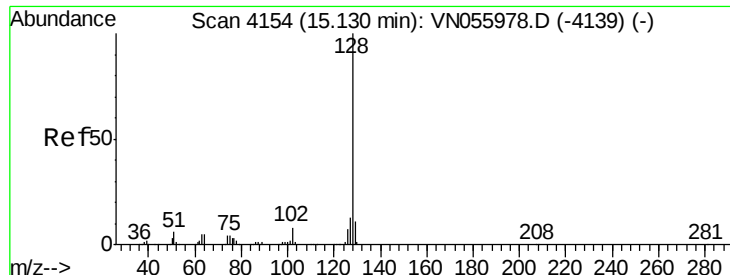
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 3.874 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

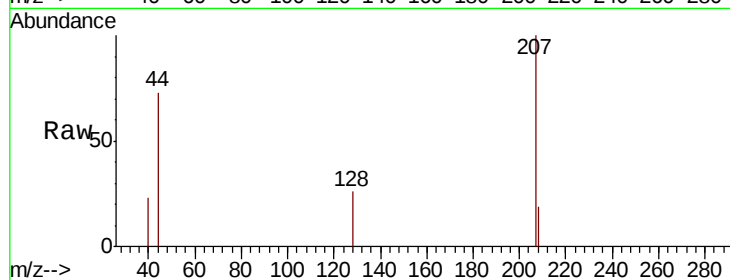
Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :



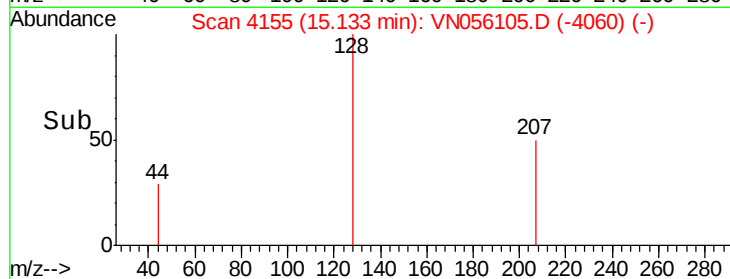
Tot Ion:128 Resp: 170

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

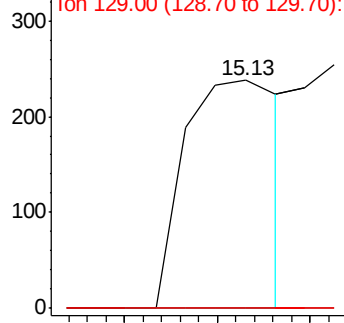
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->