

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056248.D
 Acq On : 12 Jun 2019 14:59
 Operator : JC/SP
 Sample : K3315-12 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20190610

Quant Time: Jun 13 04:32:15 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

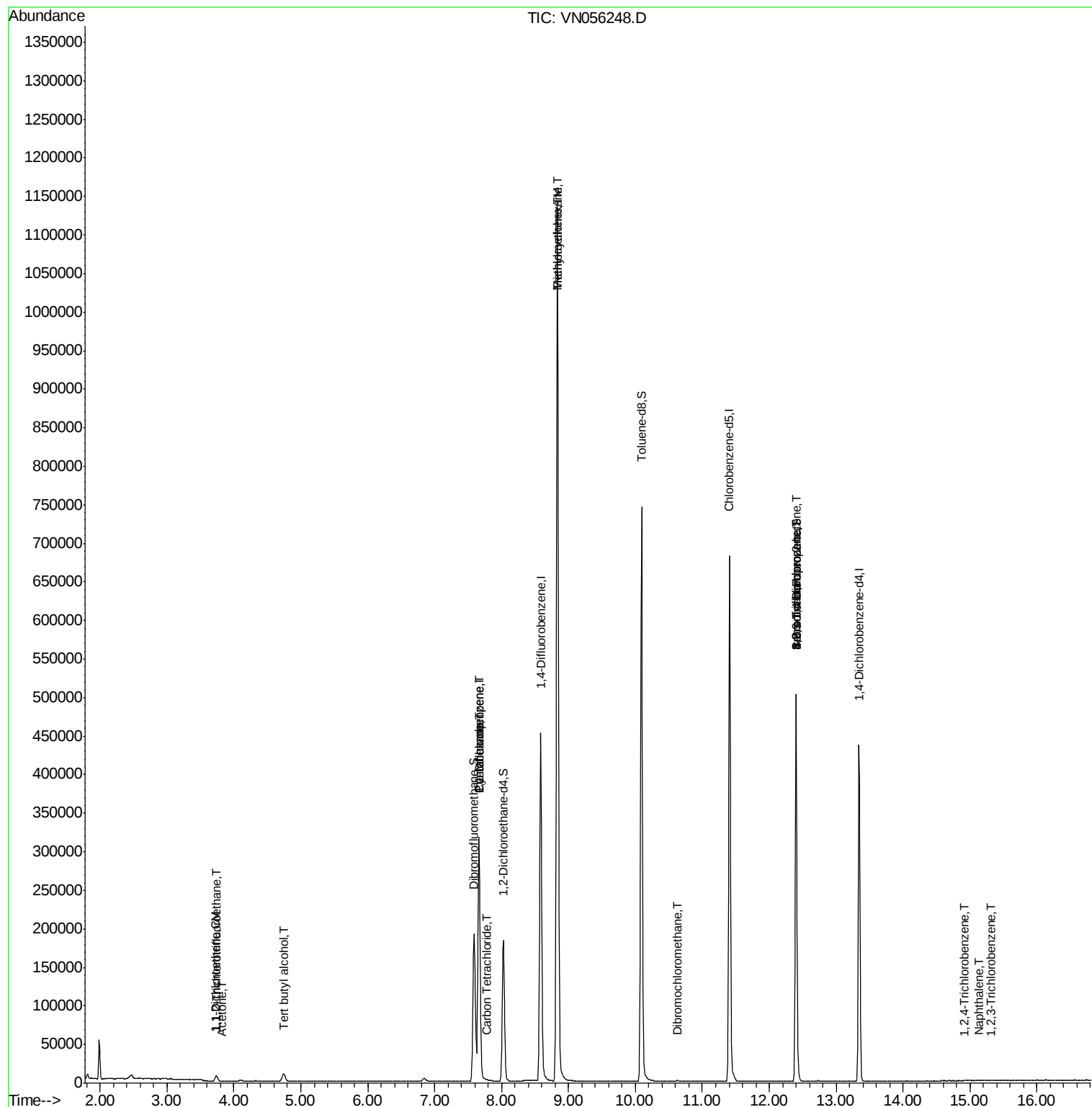
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	303489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	457671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	154205	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.34%	
35) Dibromofluoromethane	7.59	113	146321	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
50) Toluene-d8	10.09	98	560635	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	176140	47.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.88%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3804	1.486	ug/l	89
11) Tert butyl alcohol	4.74	59	8930	17.029	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	757	0.297	ug/l #	78
16) Acetone	3.82	43	583	0.405	ug/l #	41
18) Methyl Acetate	4.34	43	706	Below Cal	#	51
31) Cyclohexane	7.66	56	4347	0.909	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16619	4.223	ug/l #	48
38) Carbon Tetrachloride	7.79	117	1533	0.423	ug/l #	46
39) Methylcyclohexane	8.83	83	4690	0.957	ug/l #	1
44) Trichloroethene	8.83	130	474084	138.035	ug/l	97
60) Dibromochloromethane	10.63	129	422	2.575	ug/l #	11
71) Bromoform	12.40	173	1494	3.289	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	79818	31.549	ug/l #	100
79) 2-Chlorotoluene	12.59	91	166	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	79818	105.065	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	146	4.322	ug/l #	12
95) Naphthalene	15.14	128	435	3.912	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	197	3.103	ug/l #	78

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

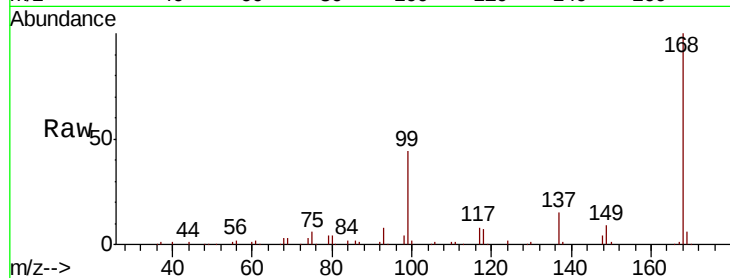
RE105D2-20190610

Tot Ion:168 Resp: 303489

Ion Ratio Lower Upper

168 100

99 43.6 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

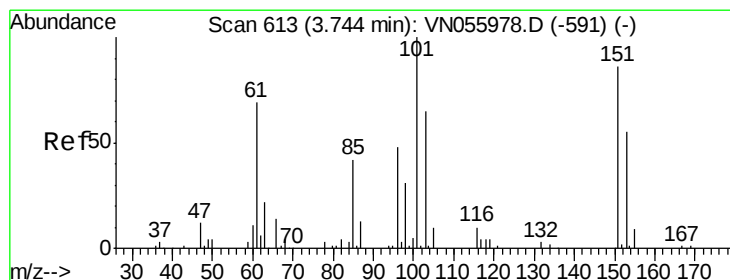
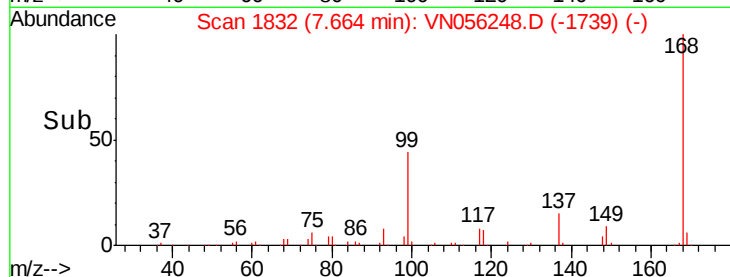
100000

50000

0

Time-->

7.60 7.70 7.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.486 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

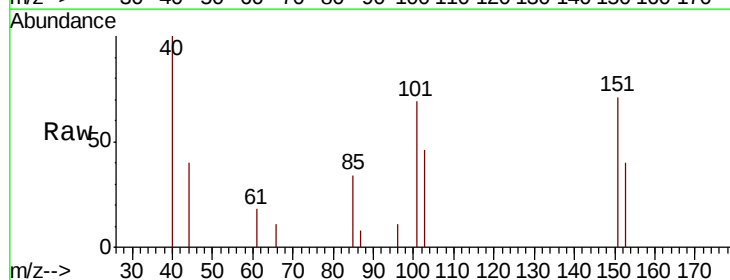
Tgt Ion:101 Resp: 3804

Ion Ratio Lower Upper

101 100

85 41.6 33.4 50.2

151 101.1 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.74

1500

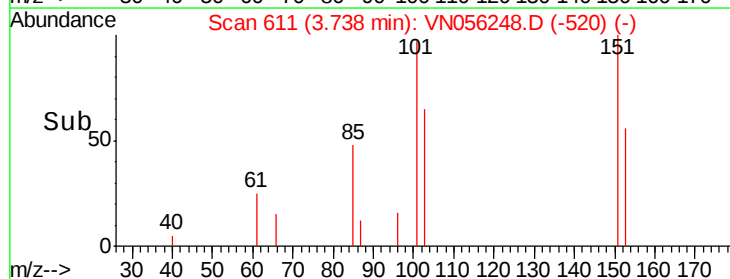
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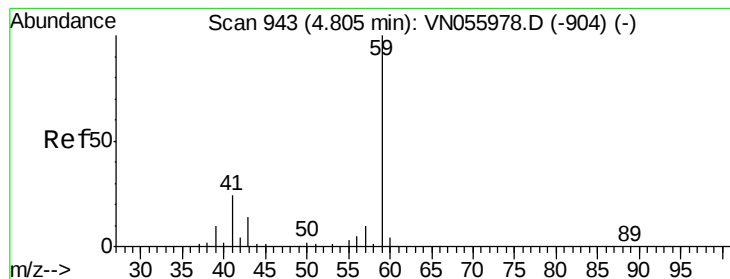
500

0

Time-->

3.70 3.75 3.80



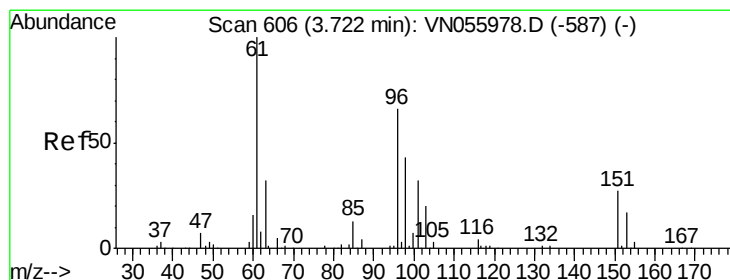
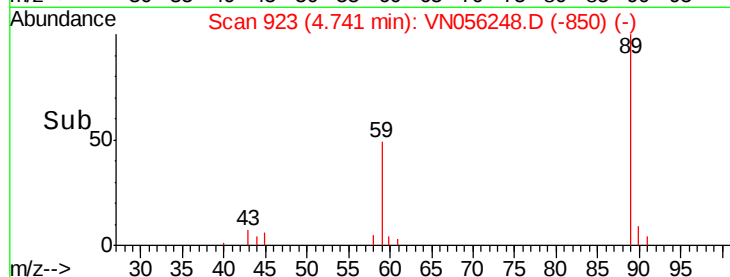
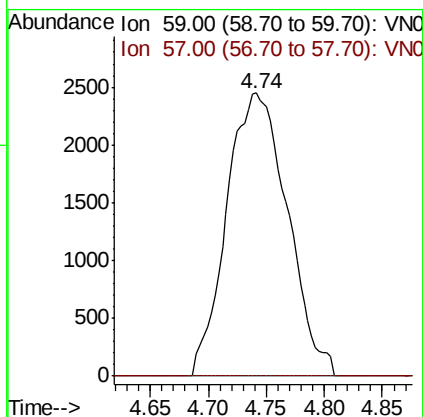
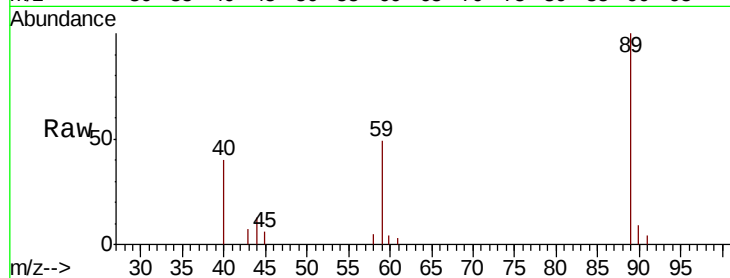


#11

Tert butyl alcohol
 Concen: 17.029 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.06 min
 Lab File: VN056248.D
 Acq: 12 Jun 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20190610

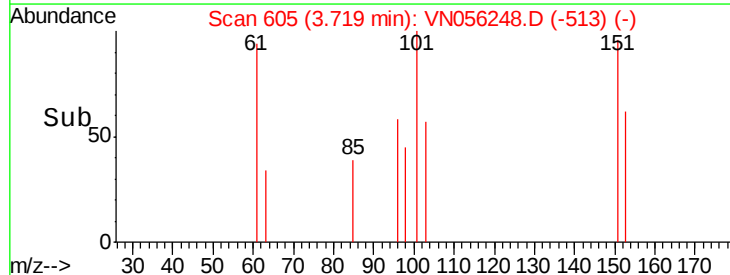
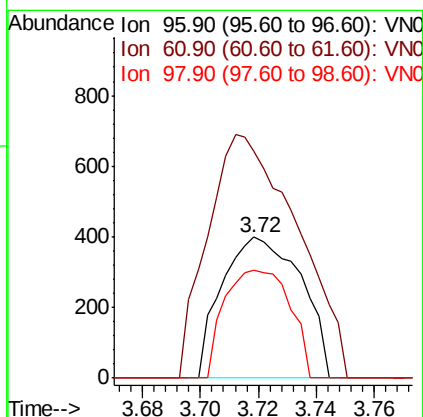
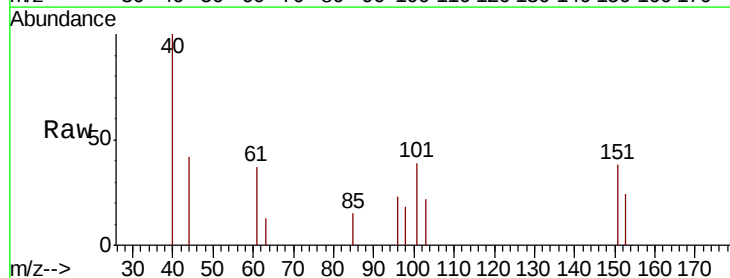
Tot Ion: 59 Resp: 8930
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



#12

1,1-Dichloroethene
 Concen: 0.297 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056248.D
 Acq: 12 Jun 2019 14:59

Tgt Ion: 96 Resp: 757
 Ion Ratio Lower Upper
 96 100
 61 122.9 123.2 184.8#
 98 77.1 50.4 75.6#





#16

Acetone

Concen: 0.405 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

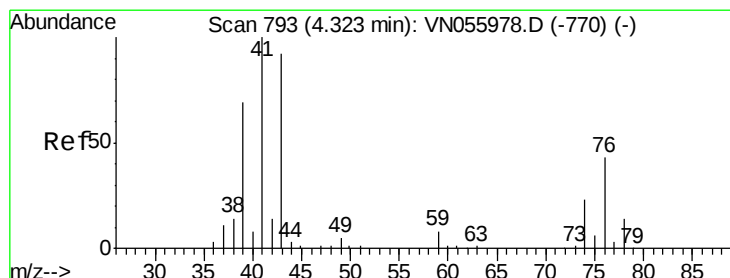
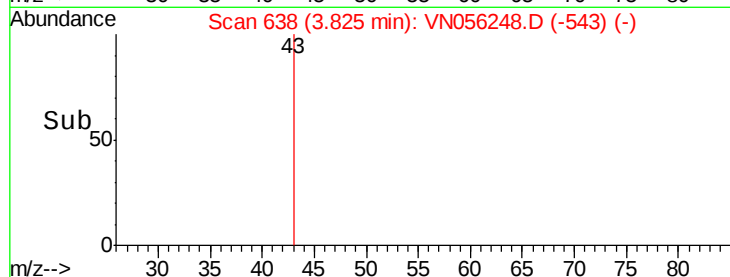
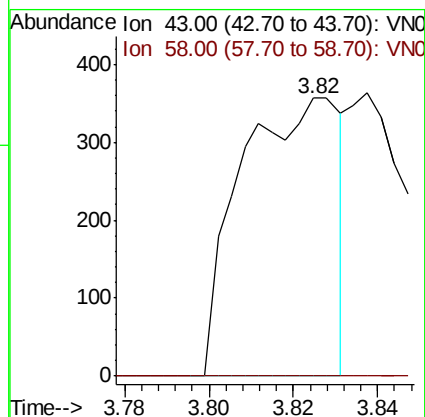
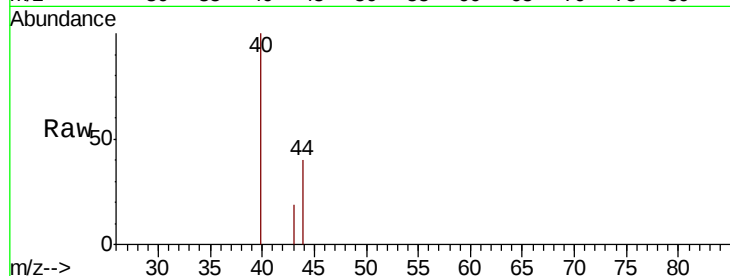
RE105D2-20190610

Tot Ion: 43 Resp: 583

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056248.D

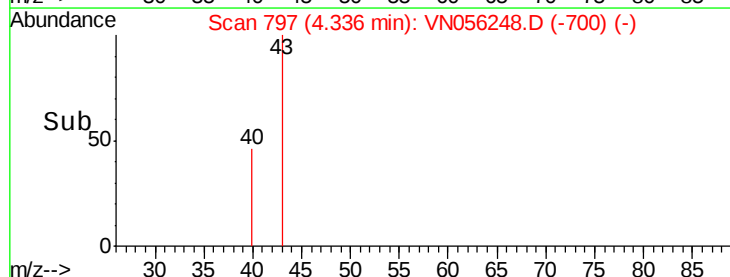
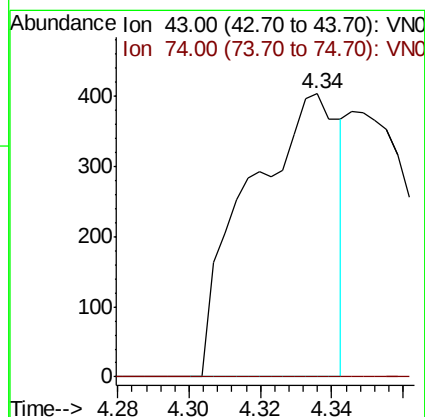
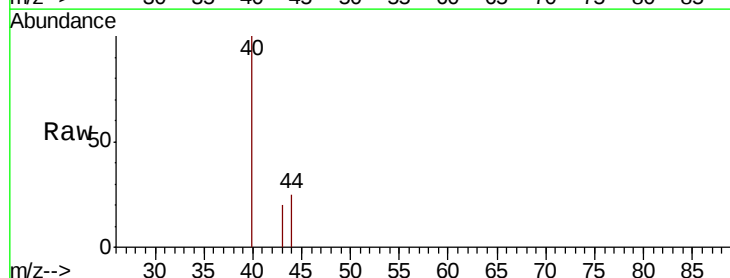
Acq: 12 Jun 2019 14:59

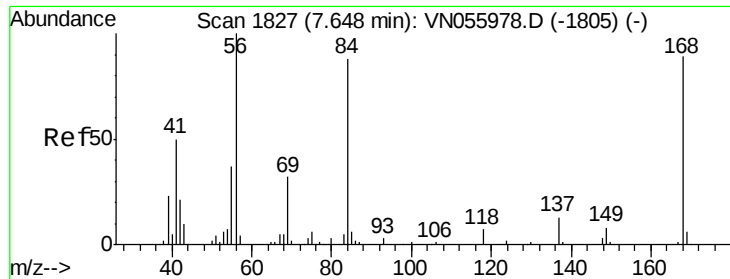
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#

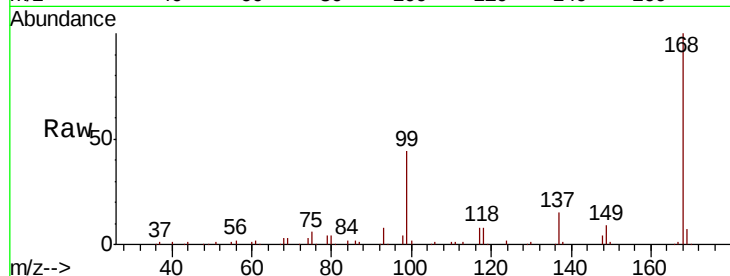




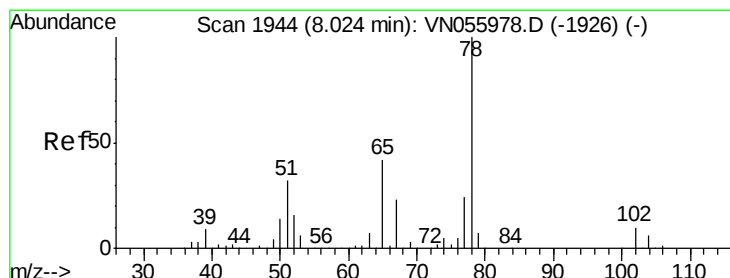
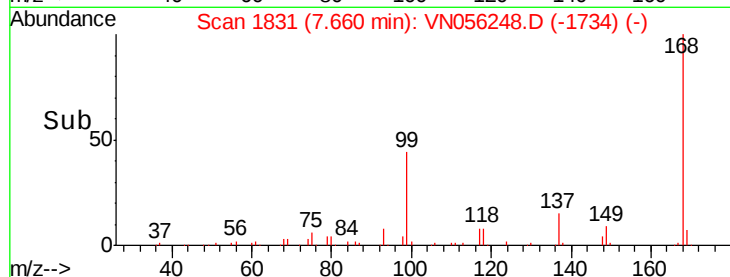
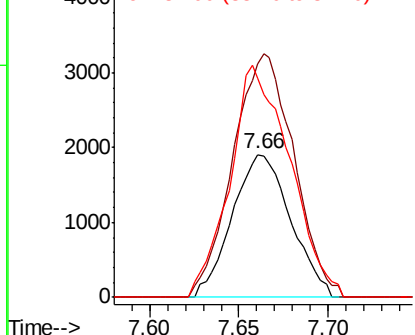
#31
Cyclohexane
Concen: 0.909 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056248.D
Acq: 12 Jun 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20190610

Tot Ion: 56 Resp: 4347
Ion Ratio Lower Upper
56 100
69 163.4 25.6 38.4#
84 153.9 67.4 101.0#

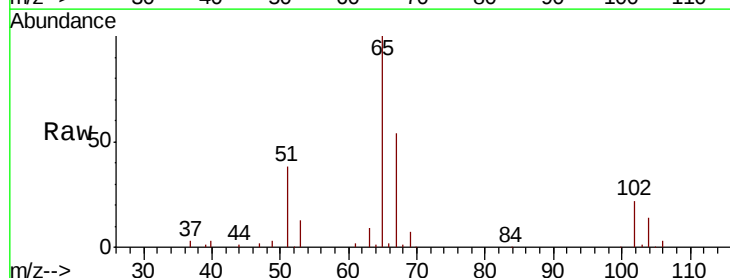


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

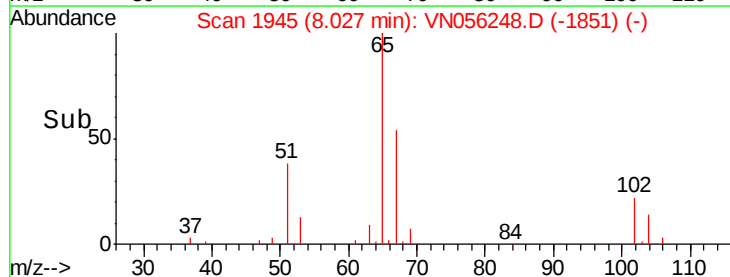
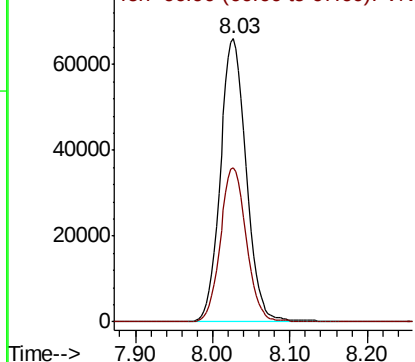


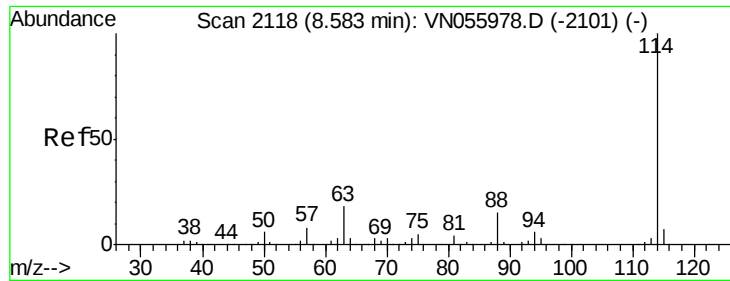
#33
1,2-Dichloroethane-d4
Concen: 51.173 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056248.D
Acq: 12 Jun 2019 14:59

Tgt Ion: 65 Resp: 154205
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.2



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

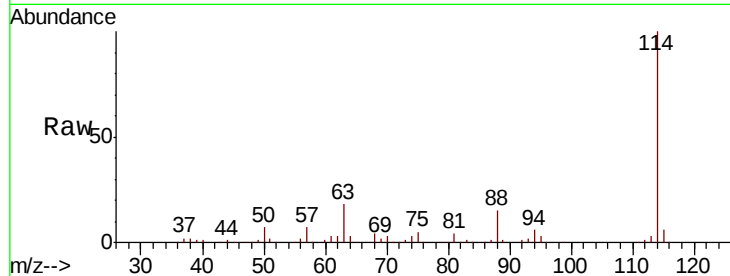




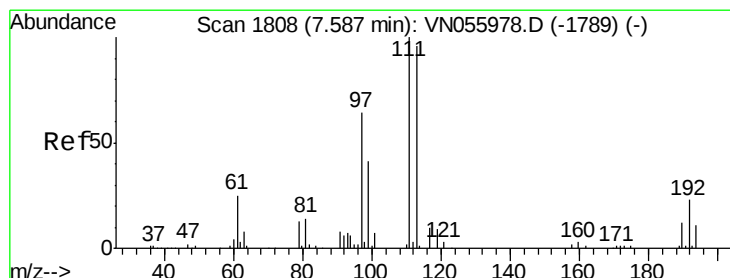
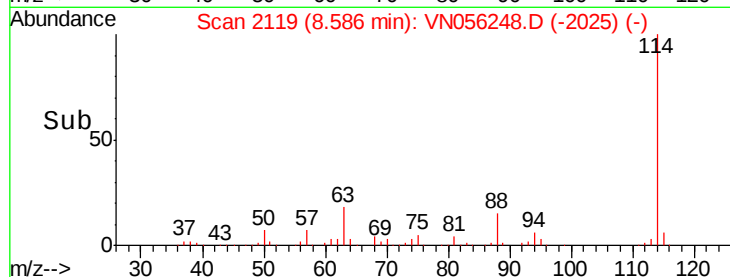
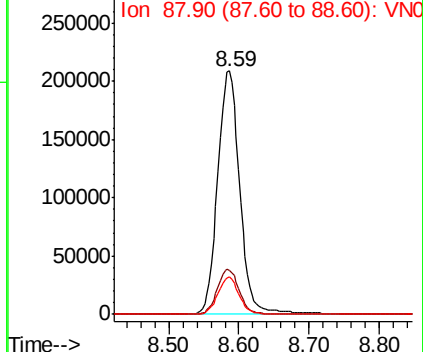
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056248.D
 Acq: 12 Jun 2019 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20190610

Tot Ion:114 Resp: 457671
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.2
 88 15.2 0.0 31.0

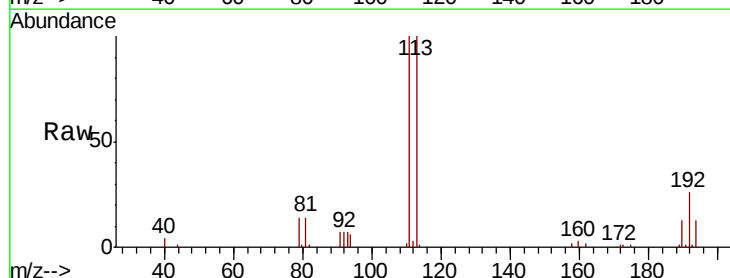


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

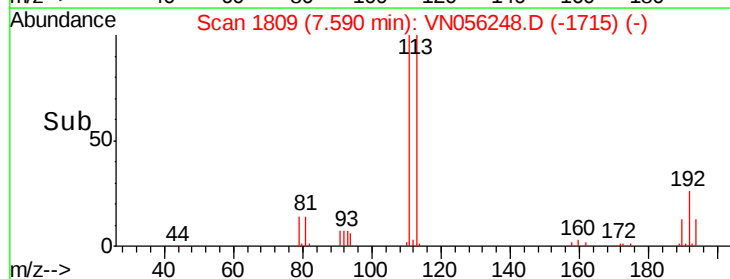
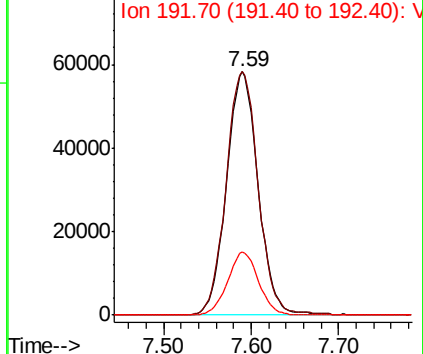


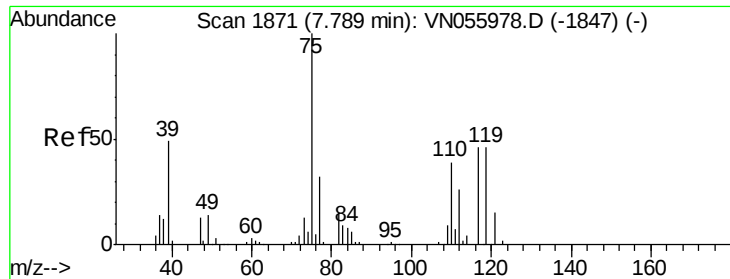
#35
 Dibromofluoromethane
 Concen: 52.109 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056248.D
 Acq: 12 Jun 2019 14:59

Tgt Ion:113 Resp: 146321
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.9 122.9
 192 25.3 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

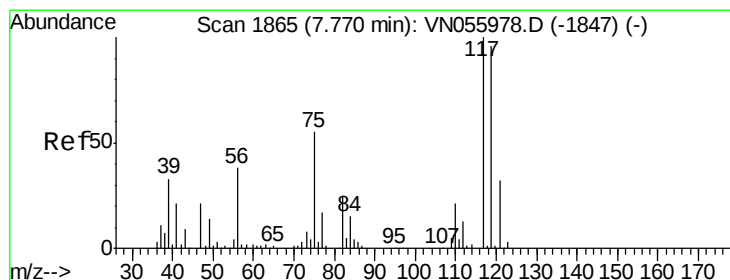
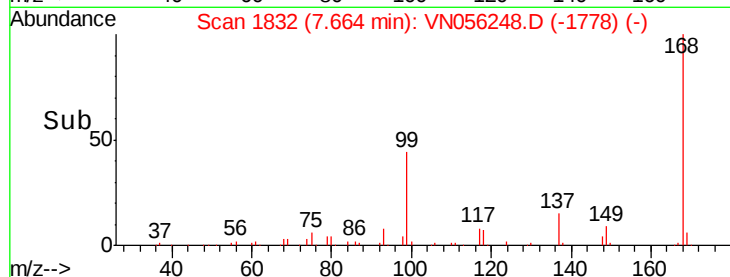
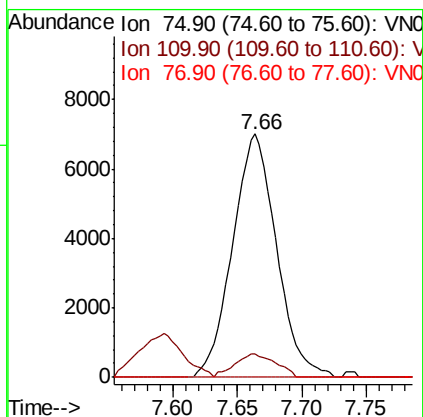
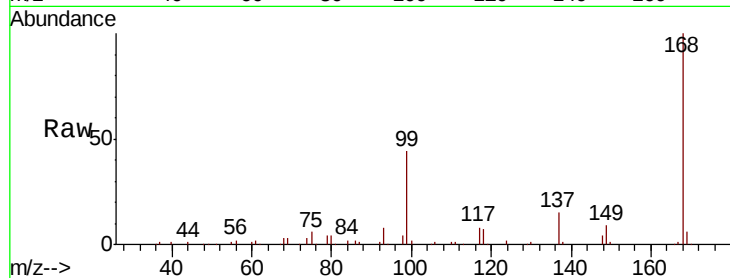




#36
 1,1-Dichloropropene
 Concen: 4.223 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056248.D
 Acq: 12 Jun 2019 14:59

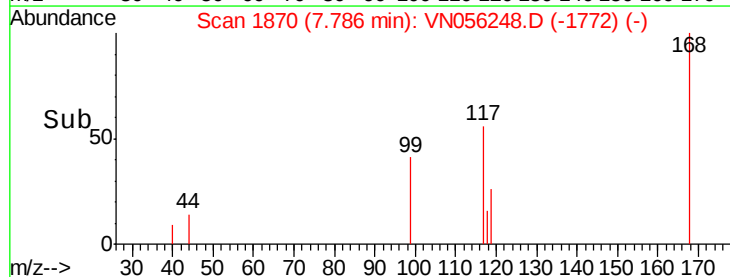
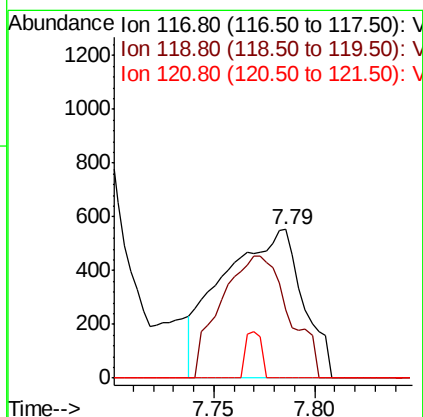
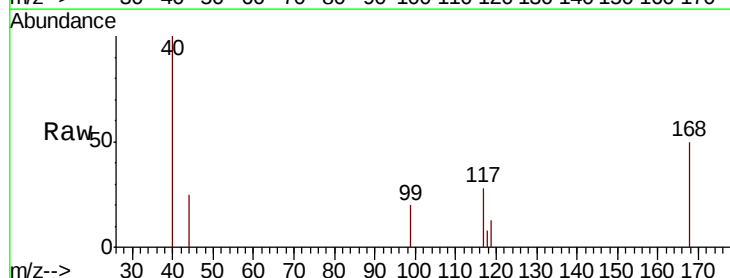
Instrument :
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 RE105D2-20190610

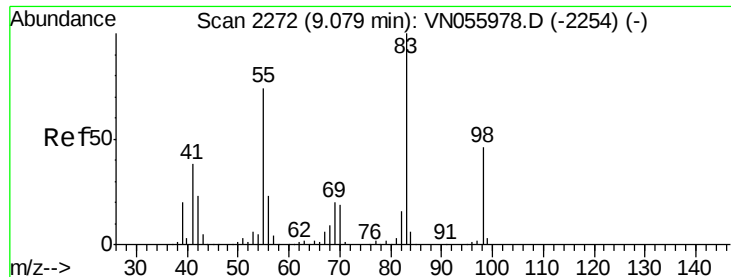
Tot Ion	75	Resp	16619
Ion Ratio	Lower	Upper	
75	100		
110	9.0	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 0.423 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.02 min
 Lab File: VN056248.D
 Acq: 12 Jun 2019 14:59

Tgt Ion	117	Resp	1533
Ion Ratio	Lower	Upper	
117	100		
119	46.1	79.0	118.6#
121	0.0	24.7	37.1#

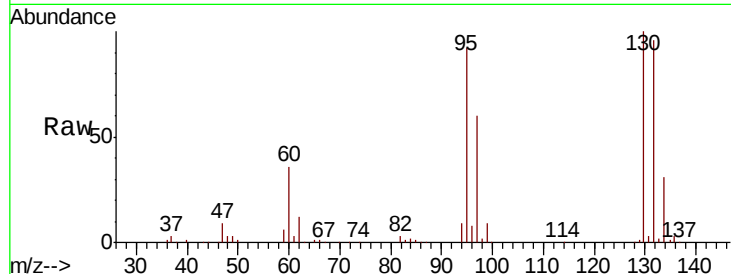




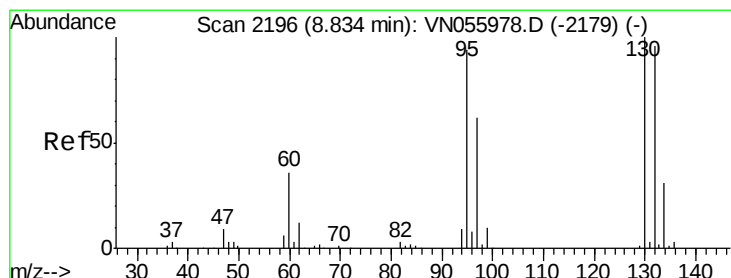
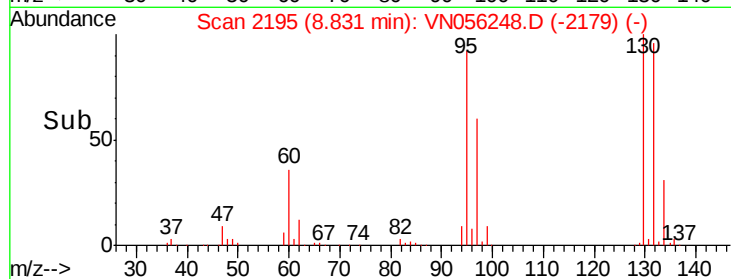
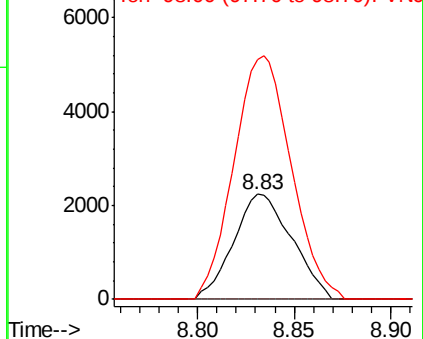
#39
Methvlcvclohexane
Concen: 0.957 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VN056248.D
Acq: 12 Jun 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20190610

Tot Ion: 83 Resp: 4690
Ion Ratio Lower Upper
83 100
55 0.0 59.3 88.9#
98 228.8 36.6 54.8#

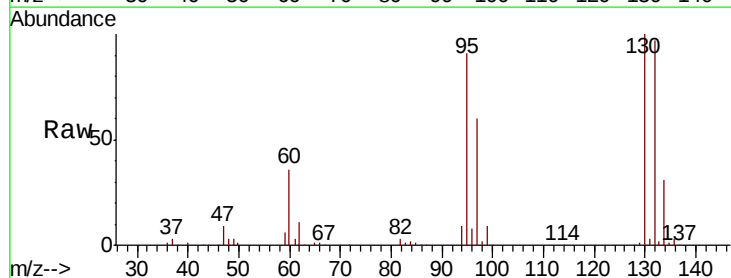


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

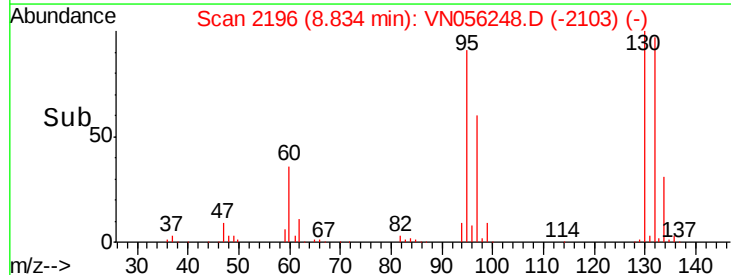
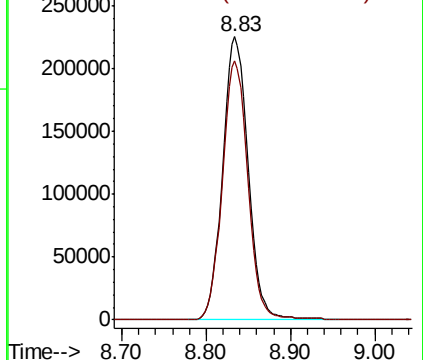


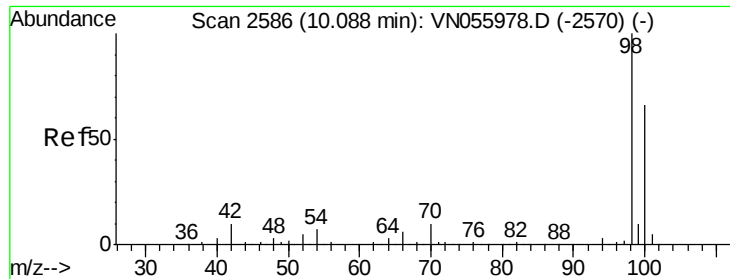
#44
Trichloroethene
Concen: 138.035 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN056248.D
Acq: 12 Jun 2019 14:59

Tgt Ion:130 Resp: 474084
Ion Ratio Lower Upper
130 100
95 91.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 51.886 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

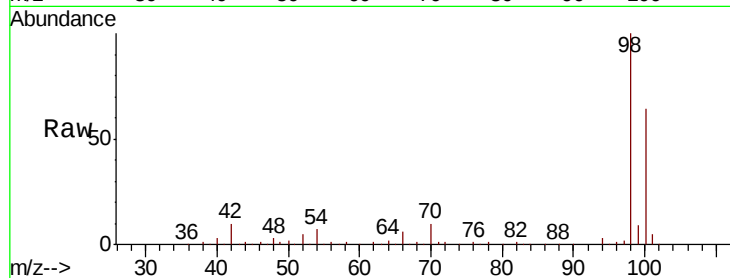
RE105D2-20190610

Tot Ion: 98 Resp: 560635

Ion Ratio Lower Upper

98 100

100 64.5 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

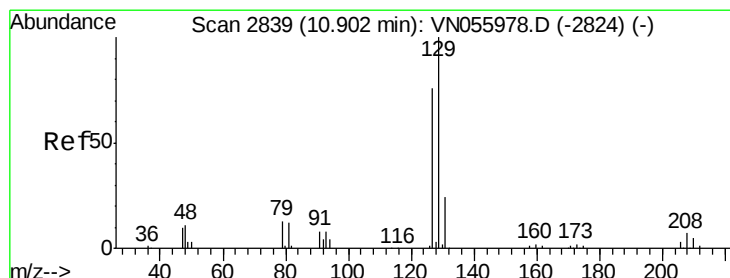
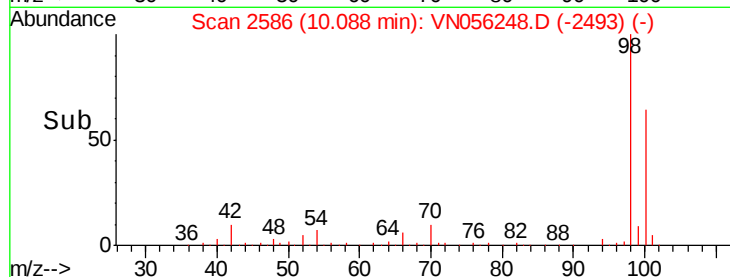
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 2.575 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN056248.D

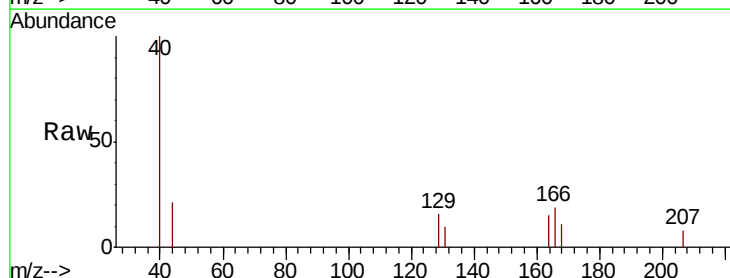
Acq: 12 Jun 2019 14:59

Tgt Ion: 129 Resp: 422

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

10.63

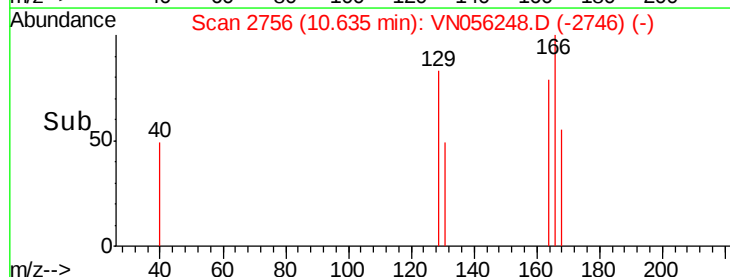
300

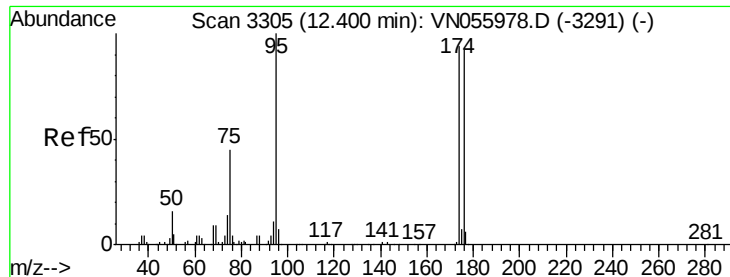
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.935 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20190610

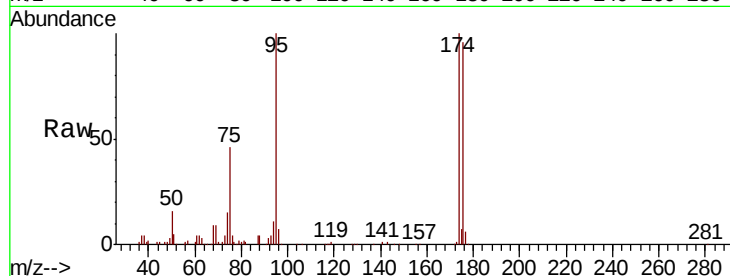
Tot Ion: 95 Resp: 176140

Ion Ratio Lower Upper

95 100

174 100.3 0.0 191.0

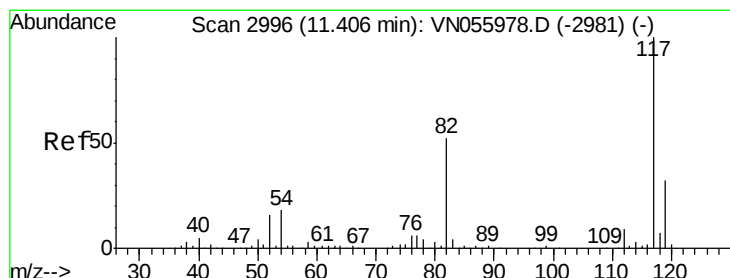
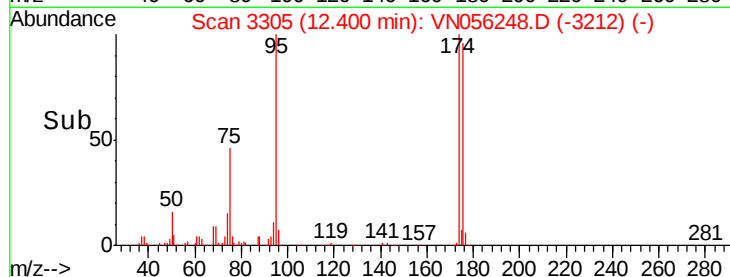
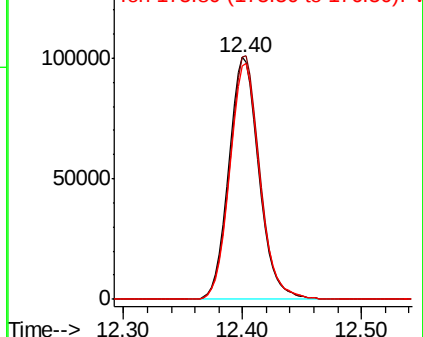
176 97.1 0.0 185.2



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: VN056248.D

Acq: 12 Jun 2019 14:59

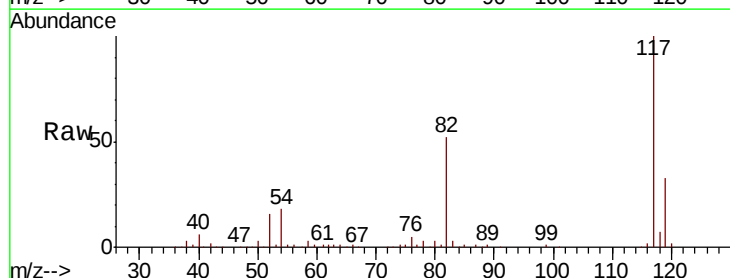
Tgt Ion: 117 Resp: 447213

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

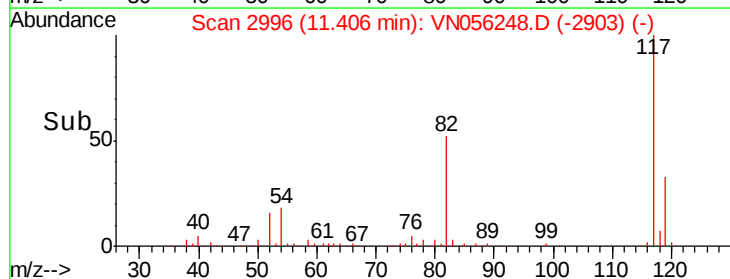
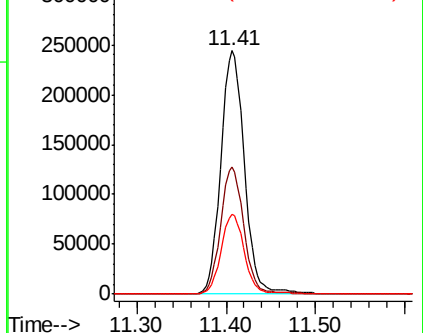
119 32.9 25.4 38.0

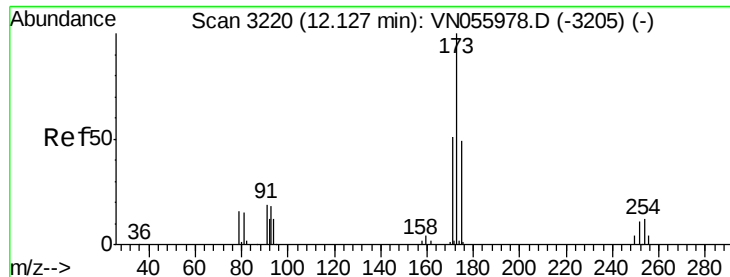


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

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

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

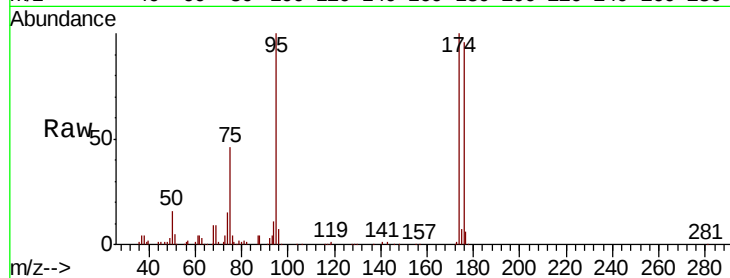




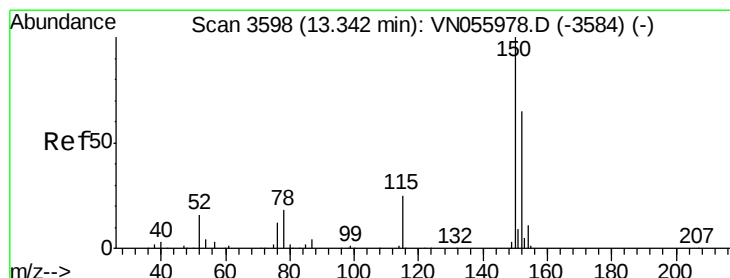
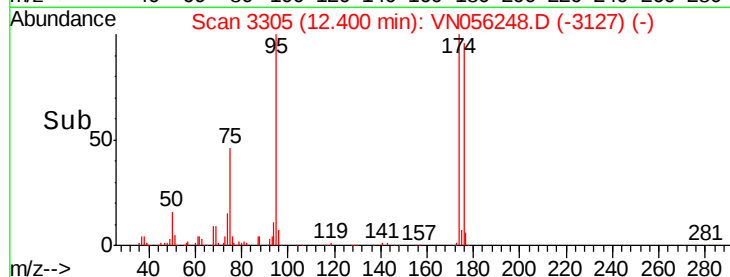
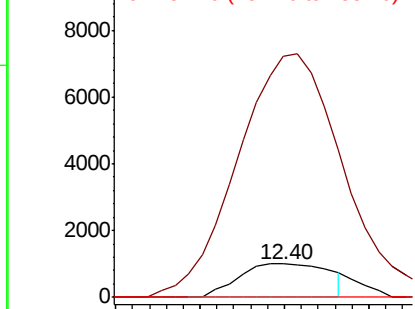
#71
Bromoform
Concen: 3.289 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056248.D
Acq: 12 Jun 2019 14:59

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20190610

Tot Ion:173 Resp: 1494
Ion Ratio Lower Upper
173 100
175 732.2 24.3 72.8#
254 0.0 0.0 0.0

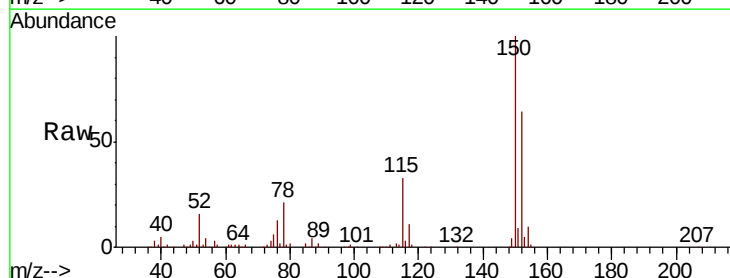


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

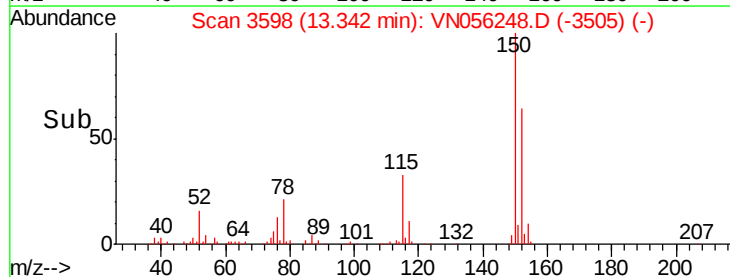
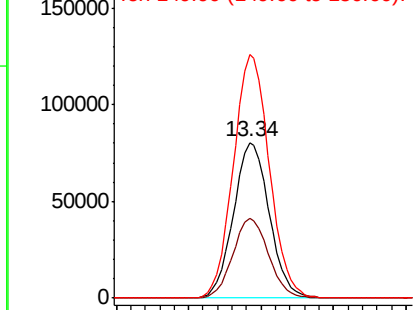


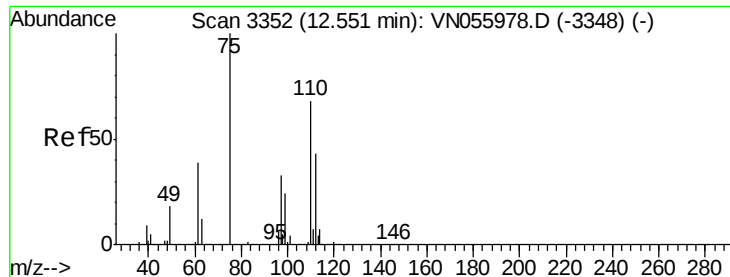
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056248.D
Acq: 12 Jun 2019 14:59

Tgt Ion:152 Resp: 137494
Ion Ratio Lower Upper
152 100
115 51.3 27.0 81.0
150 157.6 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





#76

1,2,3-Trichloropropane

Concen: 31.549 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

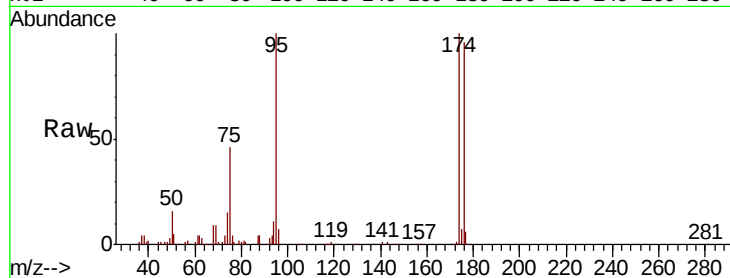
RE105D2-20190610

Tot Ion: 75 Resp: 79818

Ion Ratio Lower Upper

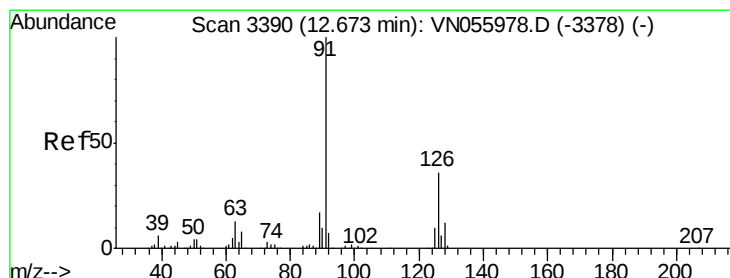
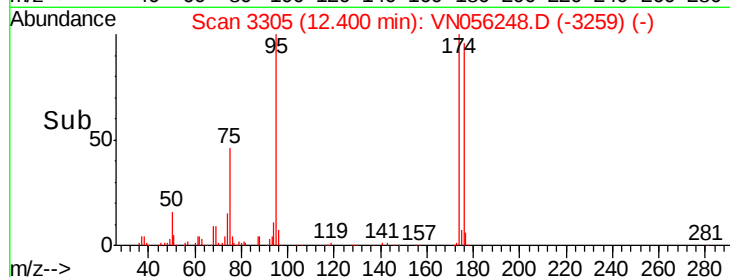
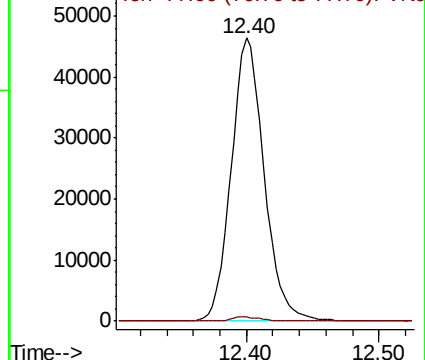
75 100

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: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056248.D

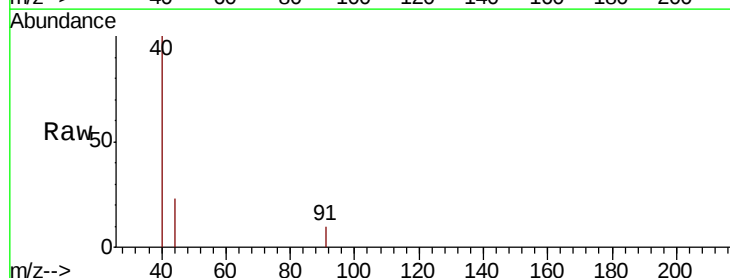
Acq: 12 Jun 2019 14:59

Tgt Ion: 91 Resp: 166

Ion Ratio Lower Upper

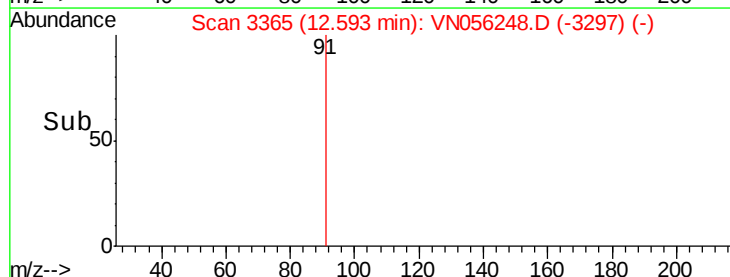
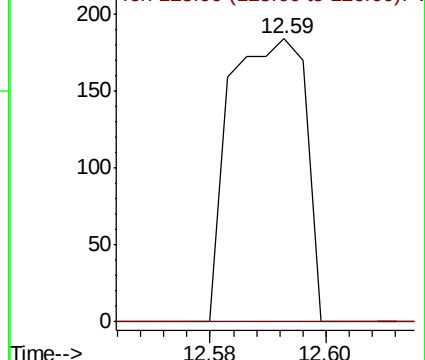
91 100

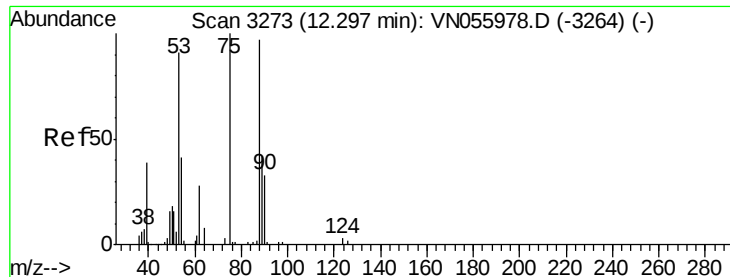
126 0.0 18.1 54.4#



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: 105.065 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20190610

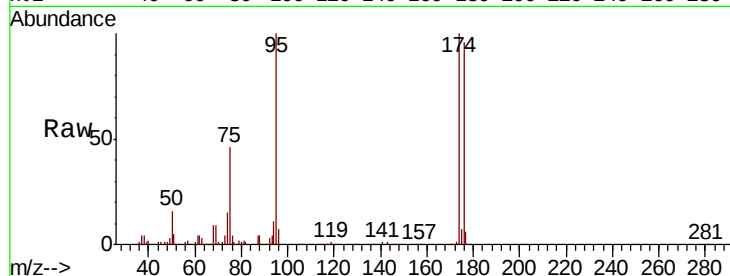
Tot Ion: 75 Resp: 79818

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

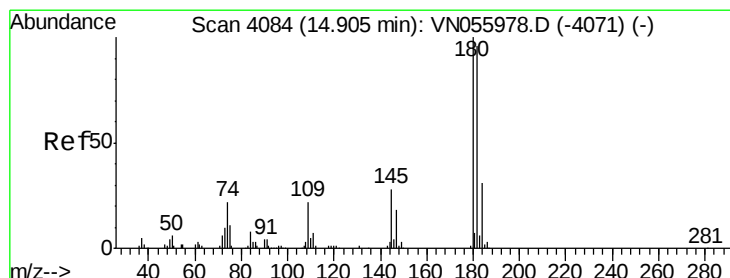
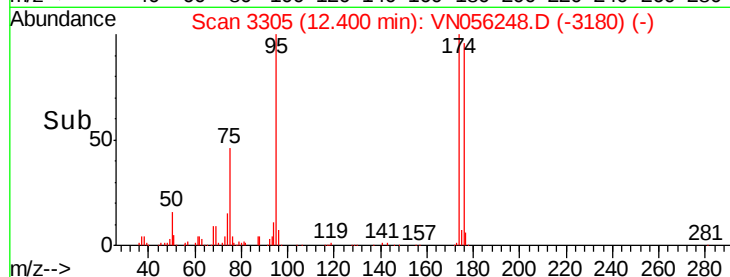
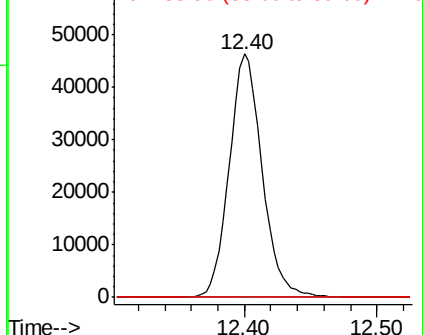


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 4.322 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

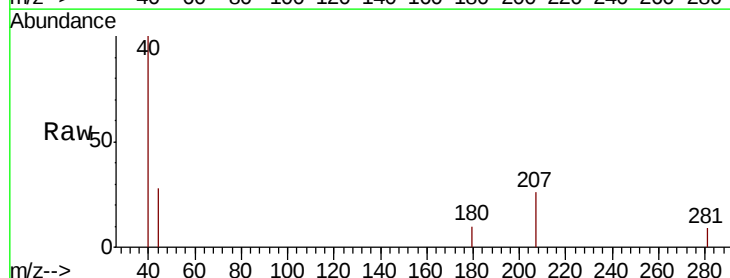
Tgt Ion: 180 Resp: 146

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

145 0.0 14.0 41.9#

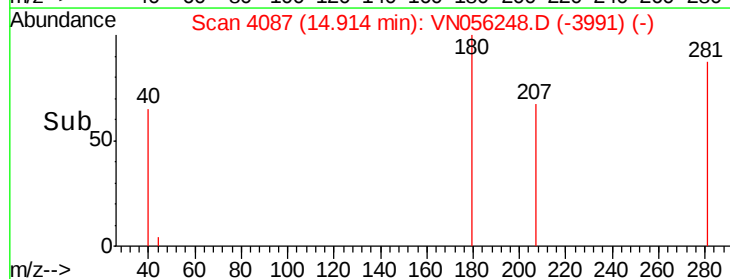
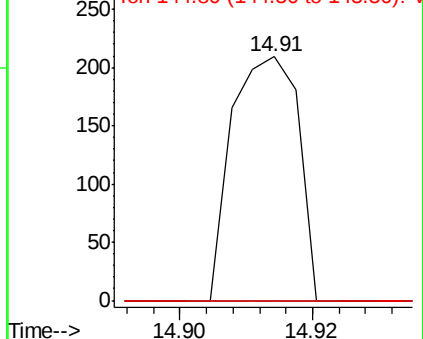


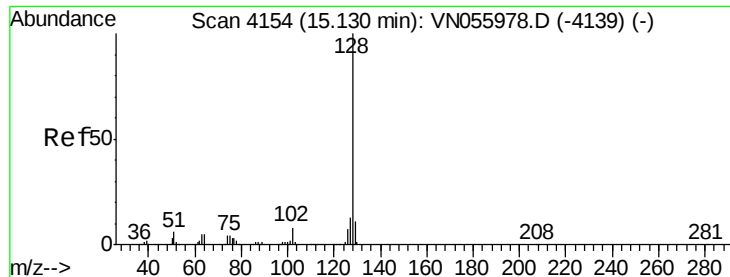
Abundance

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





#95

Naphthalene

Concen: 3.912 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20190610

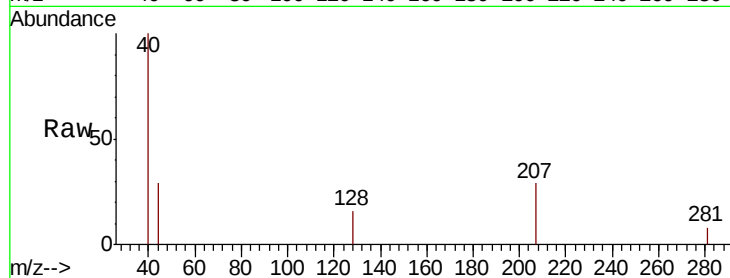
Tot Ion:128 Resp: 435

Ion Ratio Lower Upper

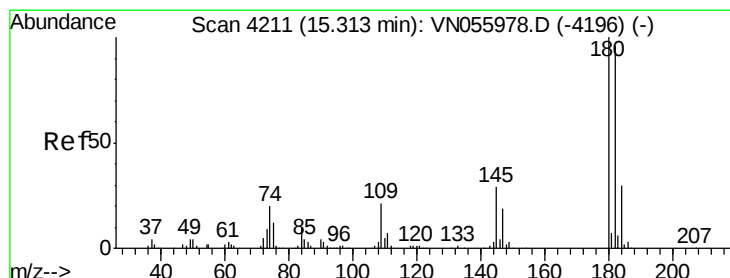
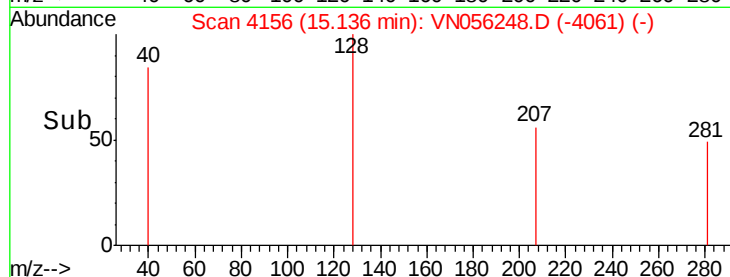
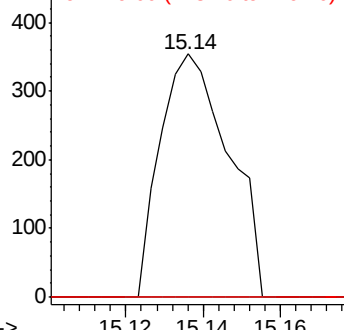
128 100

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



#96

1,2,3-Trichlorobenzene

Concen: 3.103 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056248.D

Acq: 12 Jun 2019 14:59

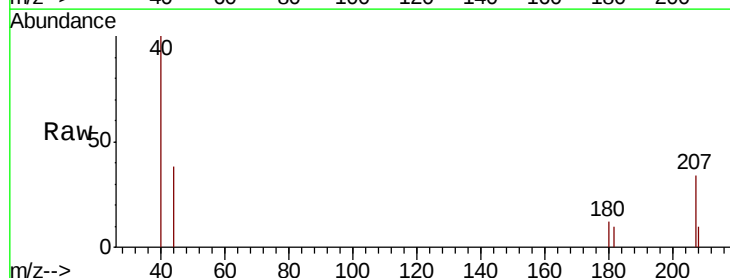
Tgt Ion:180 Resp: 197

Ion Ratio Lower Upper

180 100

182 84.3 47.9 143.7

145 0.0 14.9 44.7#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

