

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056786.D
 Acq On : 17 Jul 2019 11:05
 Operator : JC/SP
 Sample : K3841-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190715

Quant Time: Jul 18 01:04:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	253427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	450794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	470349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163119	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	147837	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	7.59	113	134128	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
50) Toluene-d8	10.09	98	569245	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.40	95	202172	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	

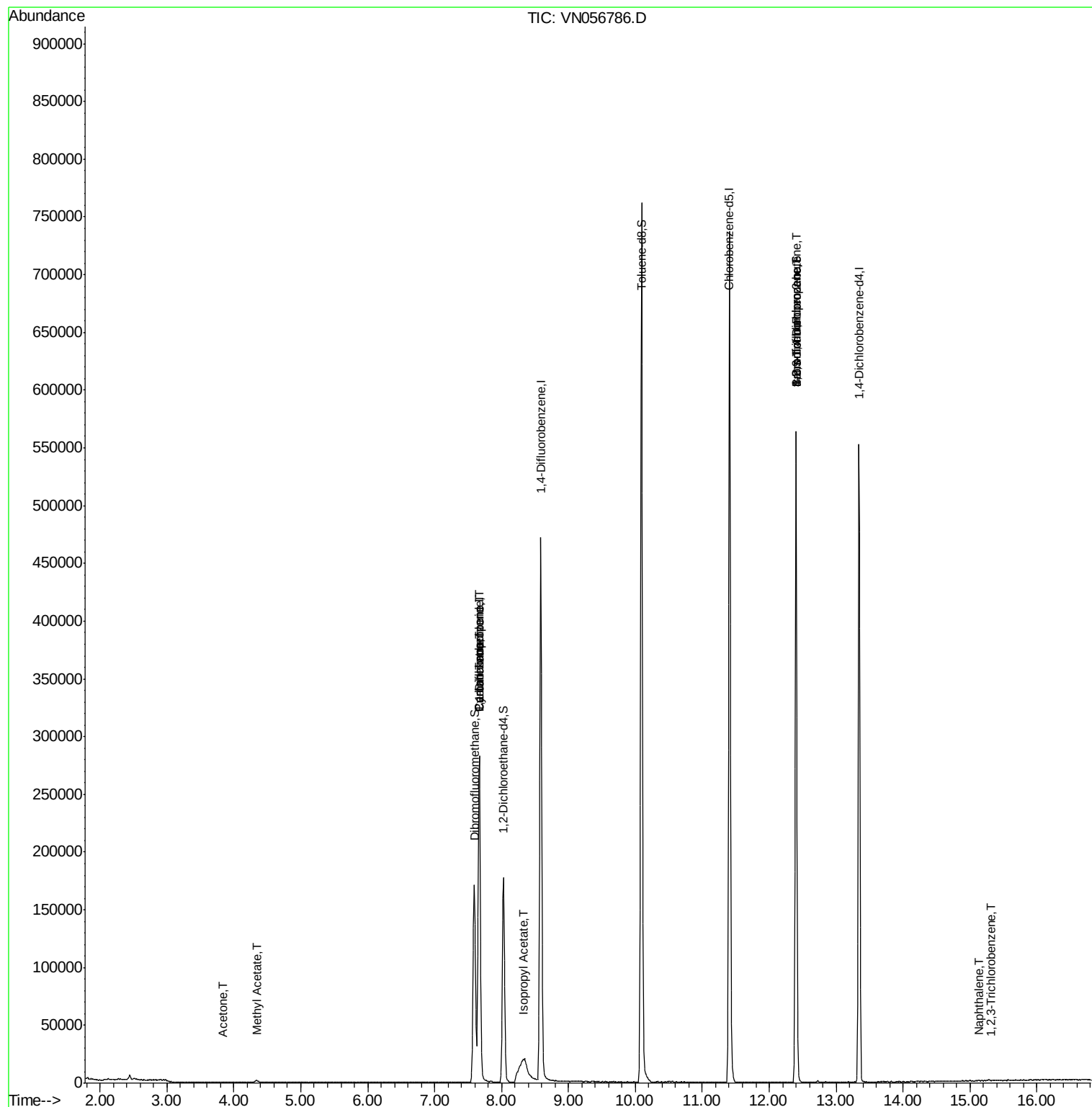
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.84	43	433	0.335	ug/l #	41
18) Methyl Acetate	4.34	43	4292	0.516	ug/l #	75
31) Cyclohexane	7.67	56	3897	0.870	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16261	3.898	ug/l #	48
38) Carbon Tetrachloride	7.67	117	22258	5.690	ug/l #	15
43) Isopropyl Acetate	8.33	43	34722	5.372	ug/l #	53
71) Bromoform	12.40	173	1775	0.659	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	93957	26.336	ug/l #	100
79) 2-Chlorotoluene	12.77	91	33	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	93957	81.333	ug/l #	13
95) Naphthalene	15.13	128	479	4.575	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	142	3.365	ug/l #	50

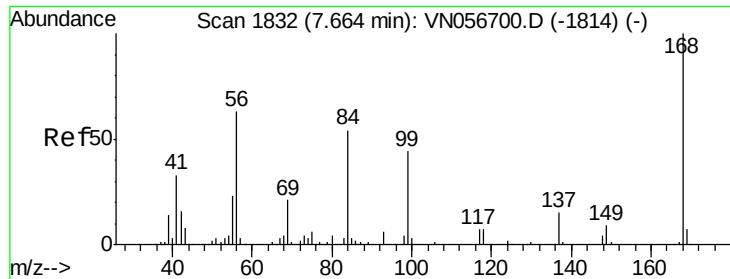
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056786.D

Acq: 17 Jul 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

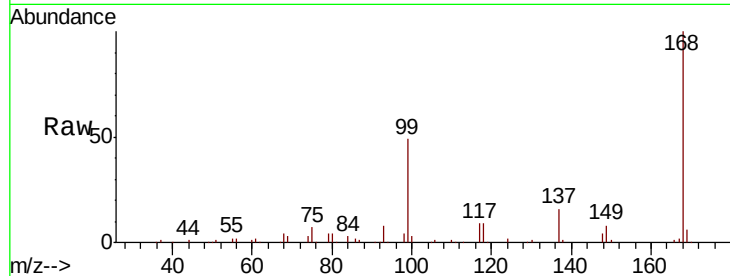
TB-01-190715

Tot Ion:168 Resp: 253427

Ion Ratio Lower Upper

168 100

99 48.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

120000

100000

80000

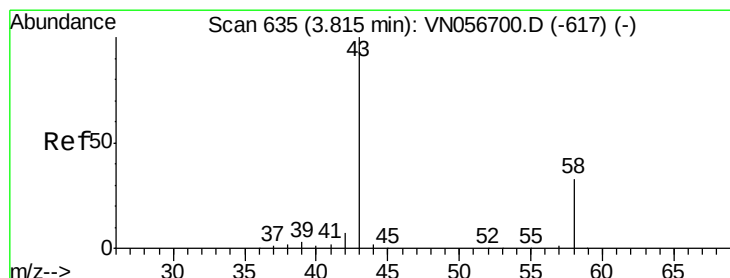
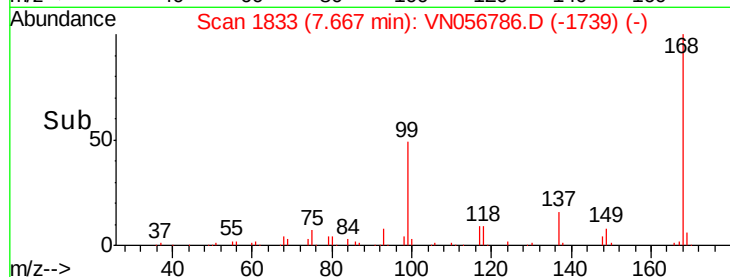
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 0.335 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN056786.D

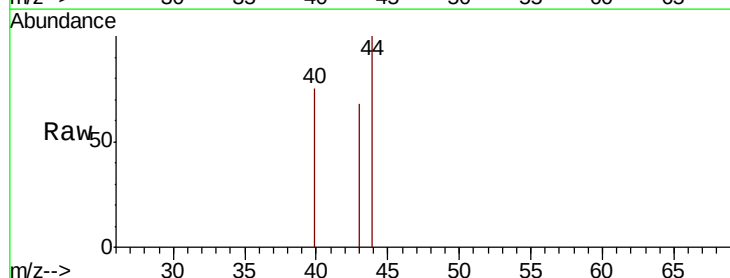
Acq: 17 Jul 2019 11:05

Tgt Ion: 43 Resp: 433

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.84

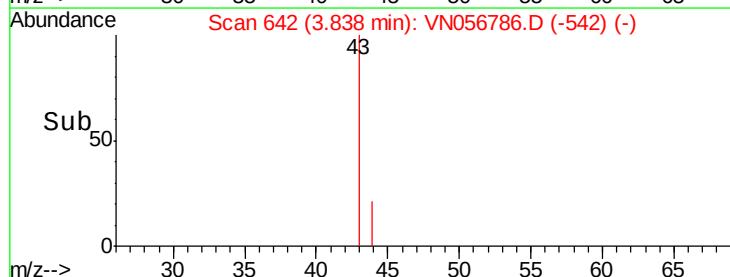
300

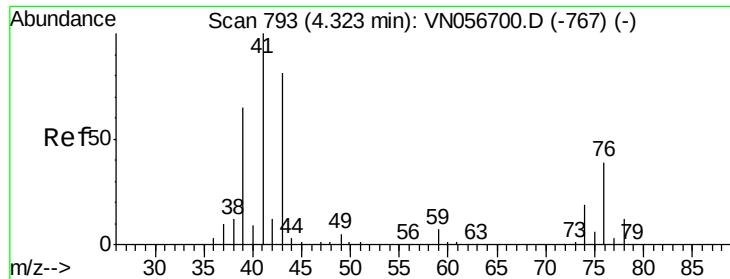
200

100

0

Time-->

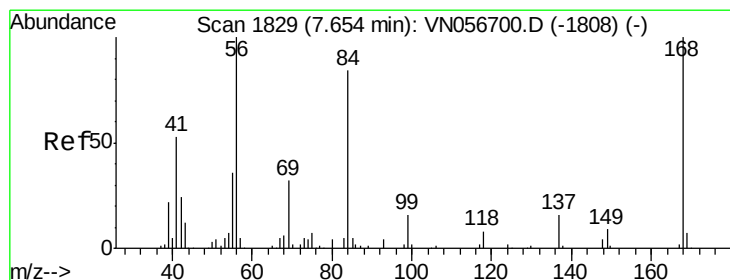
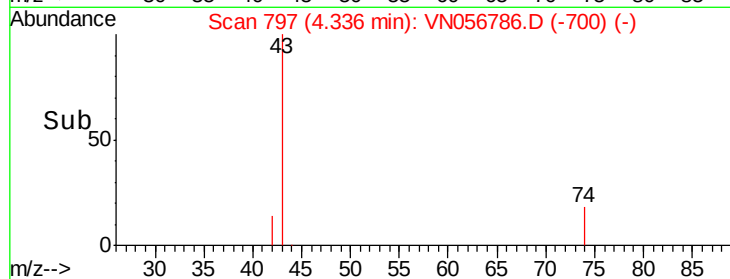
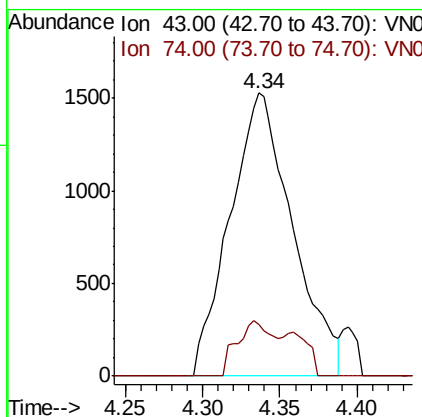
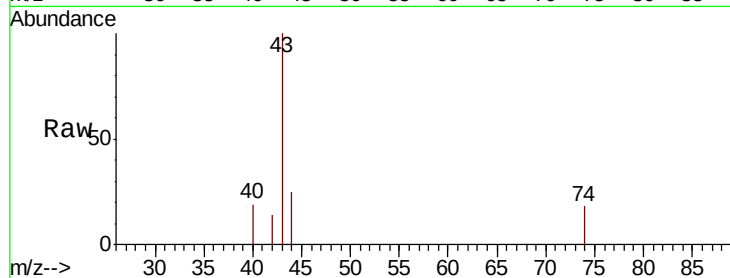




#18
Methvl Acetate
Concen: 0.516 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056786.D
Acq: 17 Jul 2019 11:05

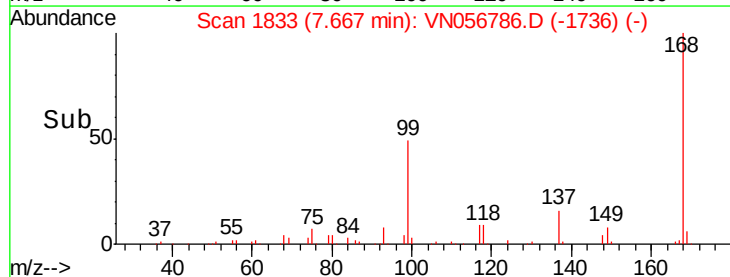
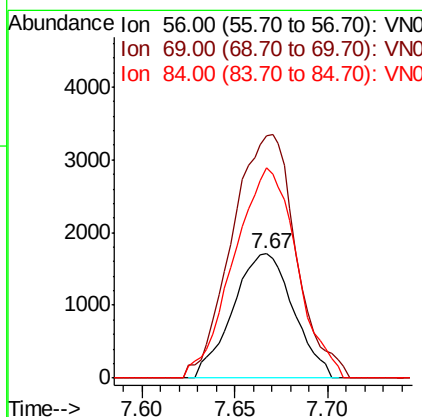
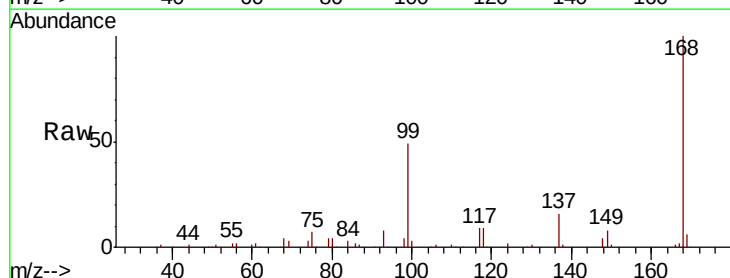
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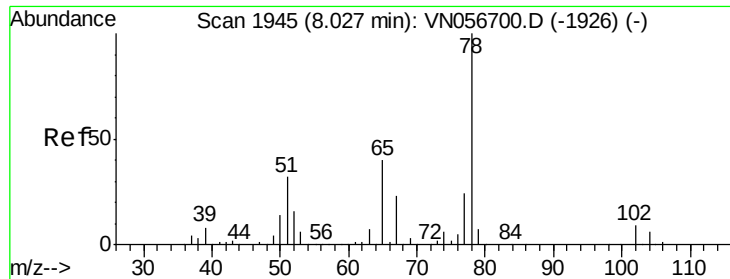
Tot Ion: 43 Resp: 4292
Ion Ratio Lower Upper
43 100
74 11.1 18.9 28.3#



#31
Cyclohexane
Concen: 0.870 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN056786.D
Acq: 17 Jul 2019 11:05

Tgt Ion: 56 Resp: 3897
Ion Ratio Lower Upper
56 100
69 185.1 25.8 38.8#
84 160.0 67.4 101.0#

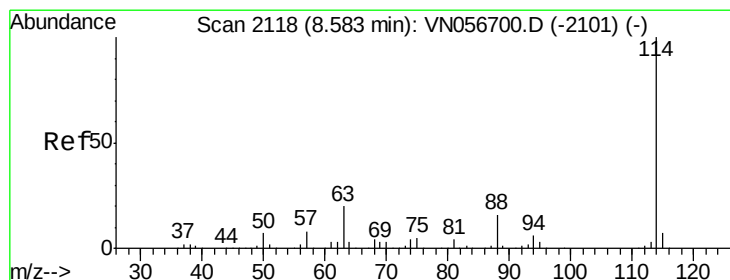
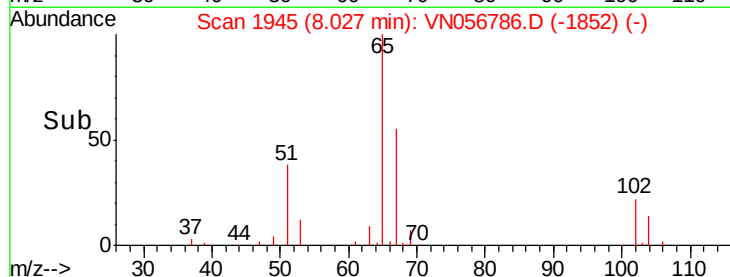
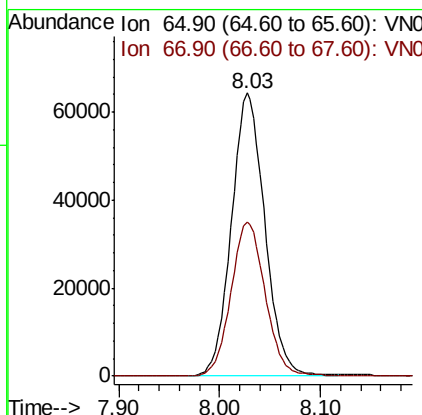
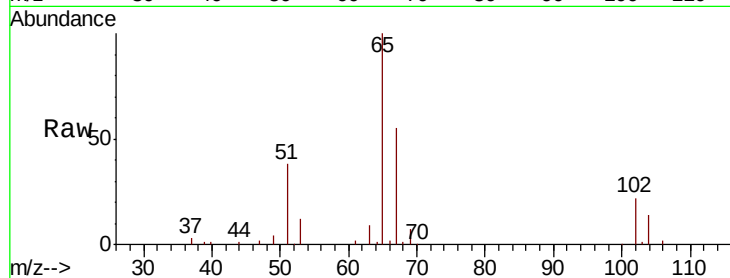




#33
 1,2-Dichloroethane-d4
 Concen: 52.738 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056786.D
 Acq: 17 Jul 2019 11:05

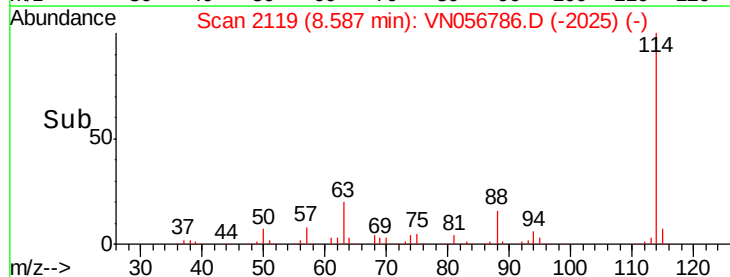
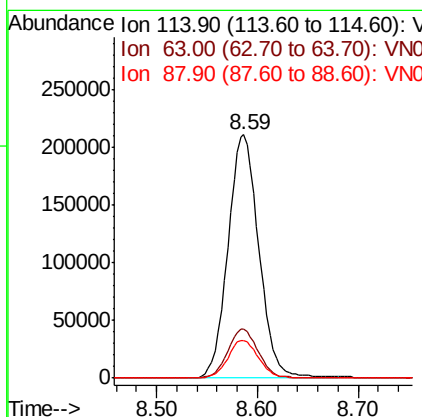
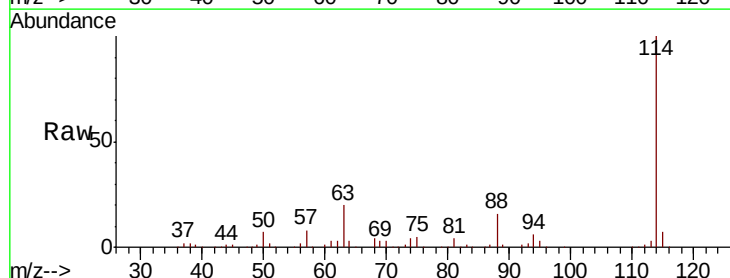
Instrument :
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 ClientSampleId :
 TB-01-190715

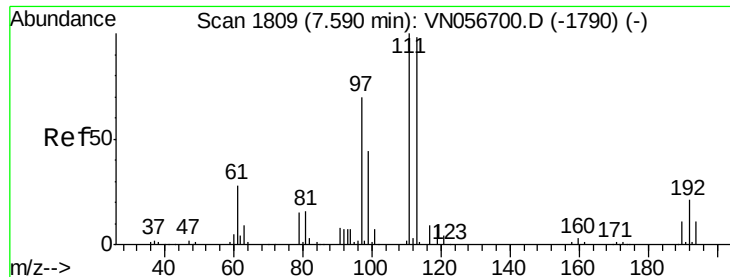
Tot Ion: 65 Resp: 147837
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056786.D
 Acq: 17 Jul 2019 11:05

Tgt Ion: 114 Resp: 450794
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 15.6 0.0 31.2

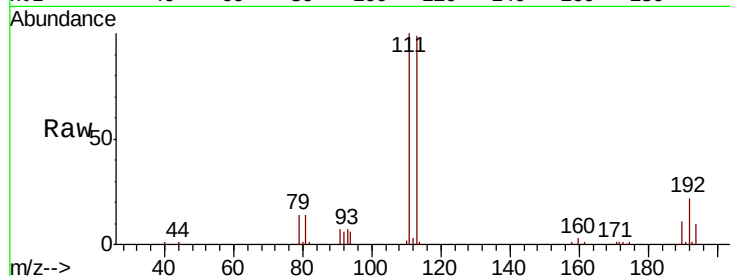




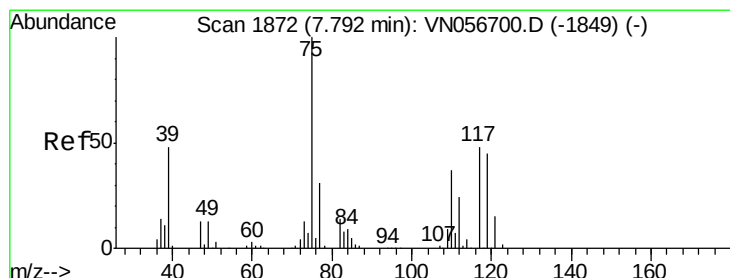
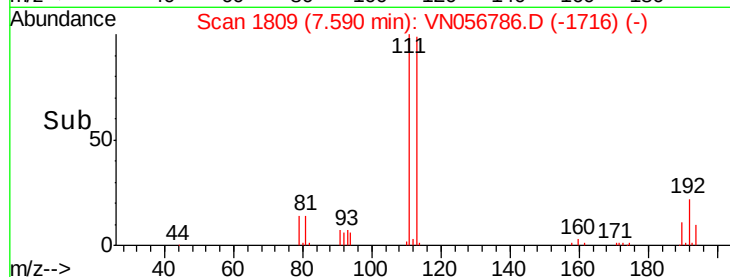
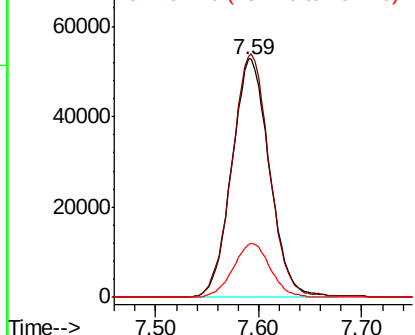
#35
 Dibromofluoromethane
 Concen: 47.811 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056786.D
 Acq: 17 Jul 2019 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190715

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.6
192	22.3	17.5	26.3

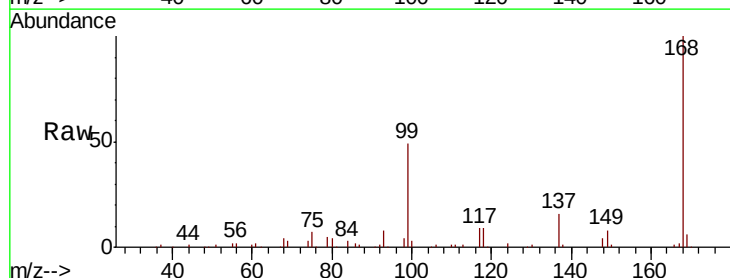


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

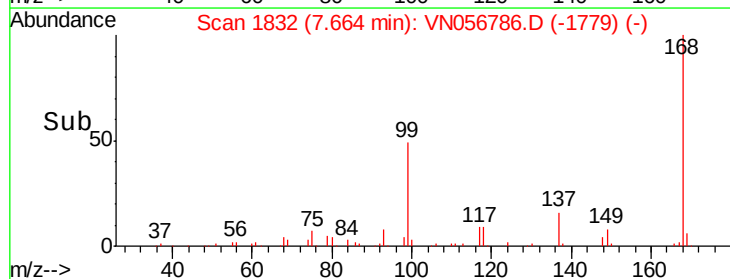
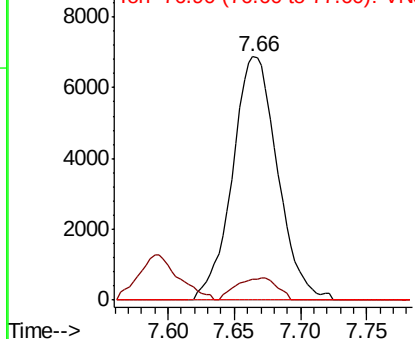


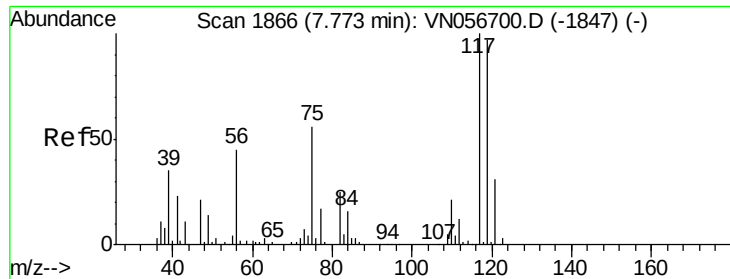
#36
 1,1-Dichloropropene
 Concen: 3.898 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056786.D
 Acq: 17 Jul 2019 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.4	55.4#
77	0.0	24.6	36.8#



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

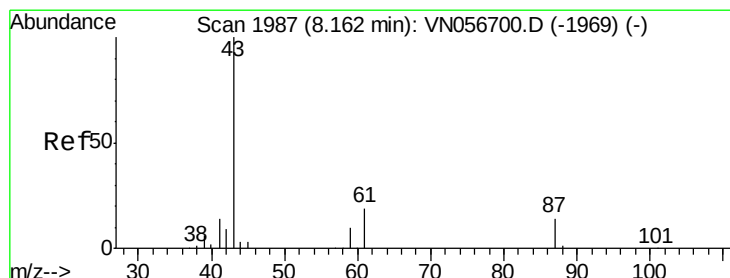
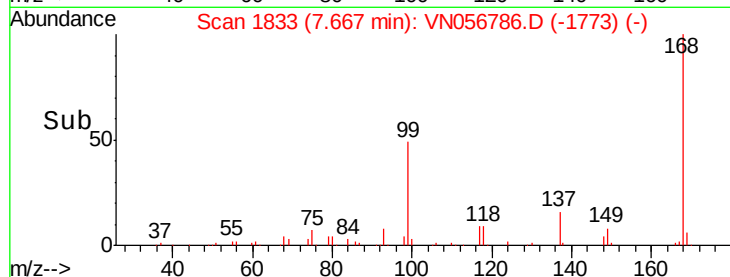
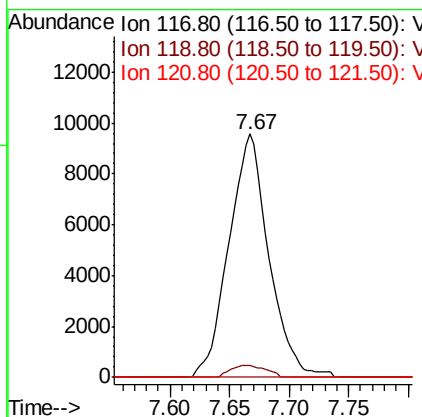
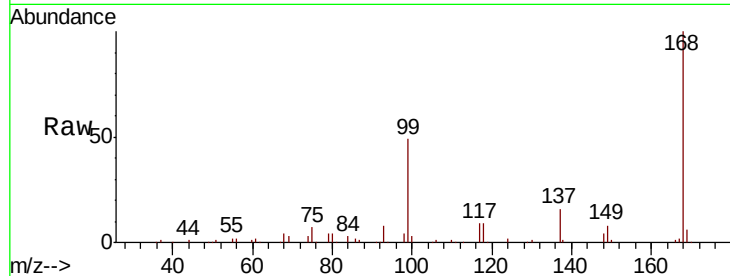




#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN056786.D
Acq: 17 Jul 2019 11:05

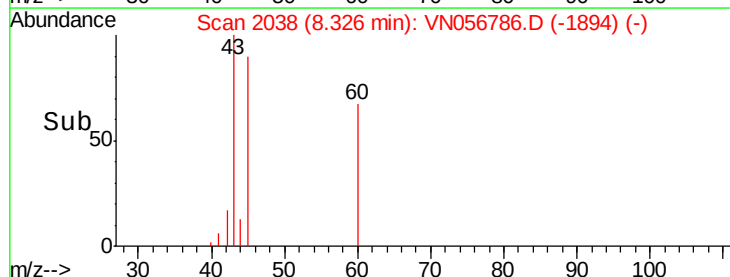
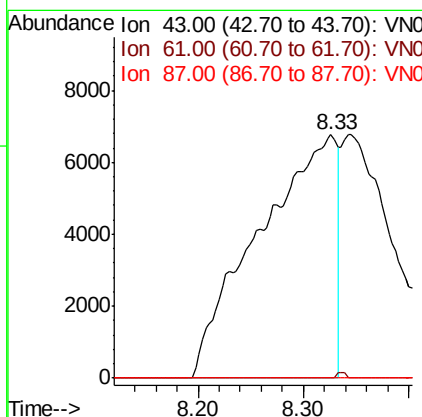
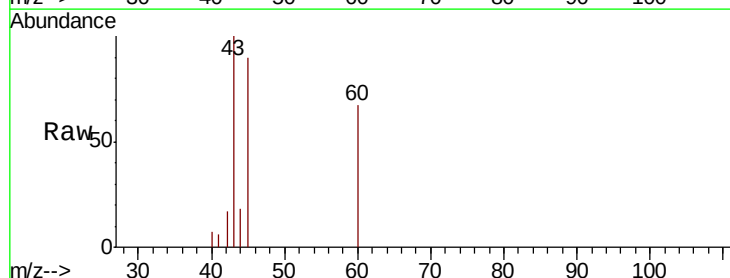
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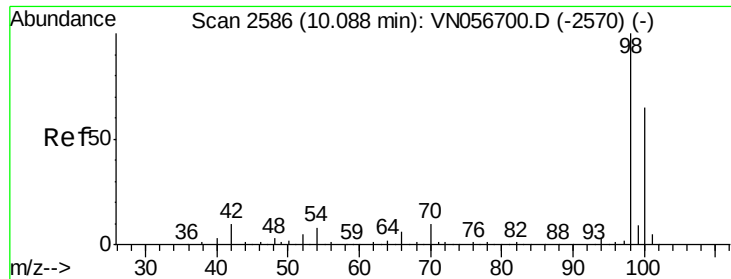
Tot Ion:117 Resp: 22258
Ion Ratio Lower Upper
117 100
119 5.0 77.5 116.3#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 5.372 ug/l
RT: 8.33 min Scan# 2038
Delta R.T. 0.16 min
Lab File: VN056786.D
Acq: 17 Jul 2019 11:05

Tgt Ion: 43 Resp: 34722
Ion Ratio Lower Upper
43 100
61 0.3 22.3 33.5#
87 0.0 11.1 16.7#





#50

Toluene-d8

Concen: 52.537 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056786.D

Acq: 17 Jul 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

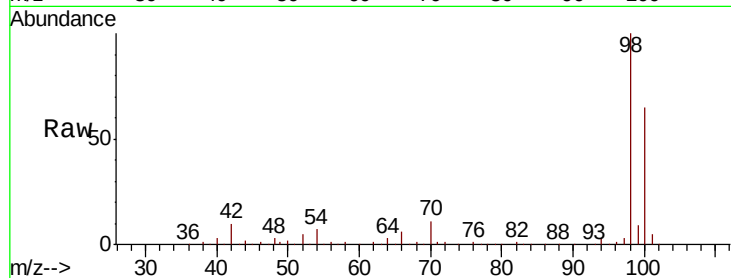
TB-01-190715

Tot Ion: 98 Resp: 569245

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056700.D (-2570) (-)

10.09

300000

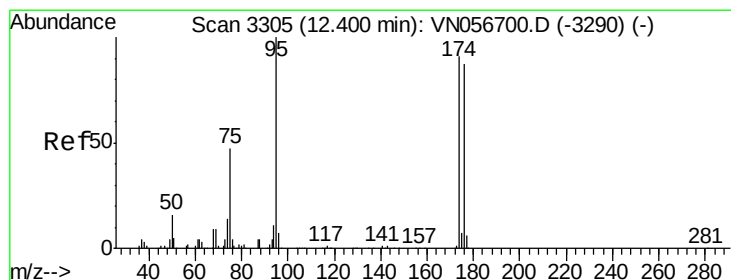
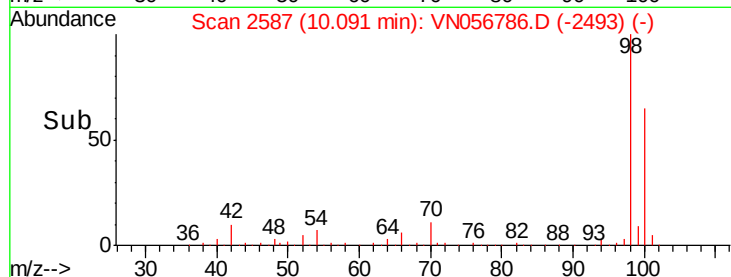
200000

100000

0

10.00 10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 55.330 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056786.D

Acq: 17 Jul 2019 11:05

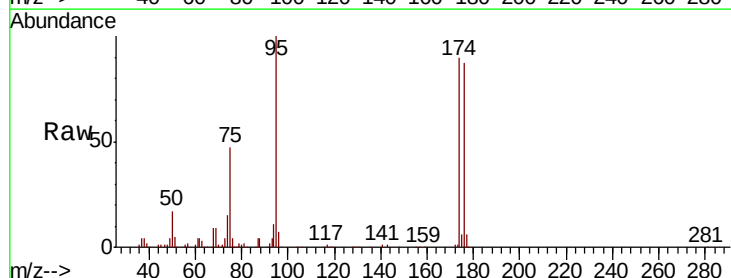
Tgt Ion: 95 Resp: 202172

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.0

176 87.2 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056700.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN056700.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN056700.D (-3290) (-)

12.40

150000

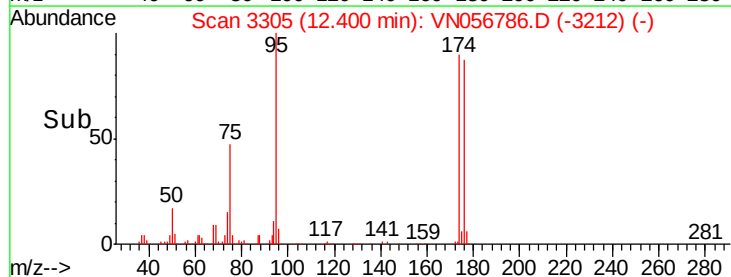
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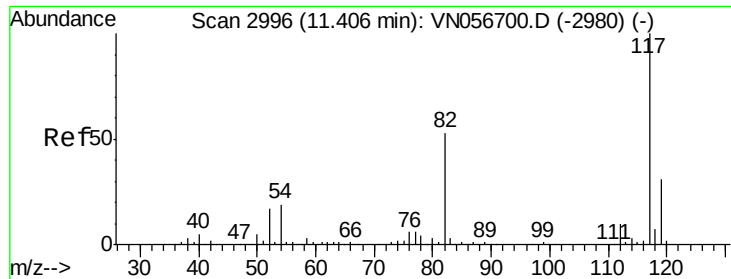
50000

0

12.30 12.40 12.50

Time-->

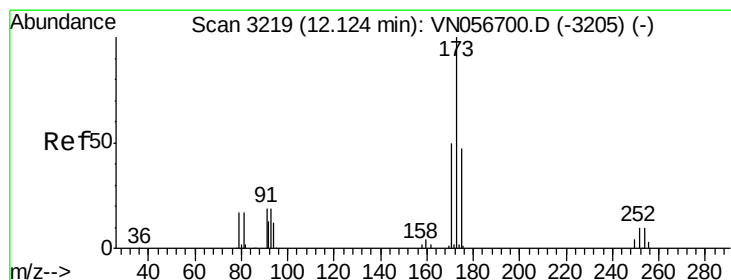
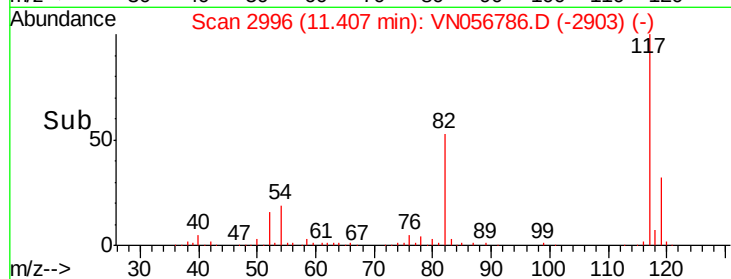
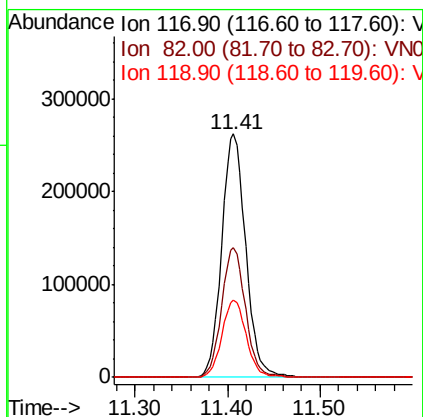
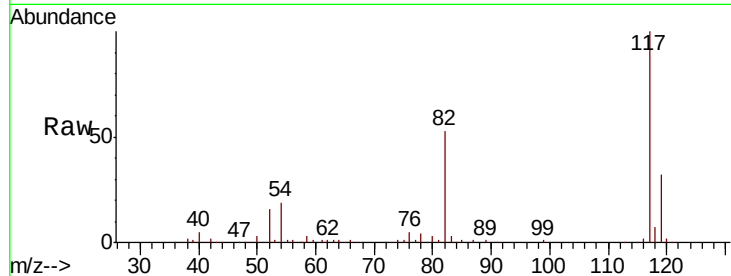




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056786.D
Acq: 17 Jul 2019 11:05

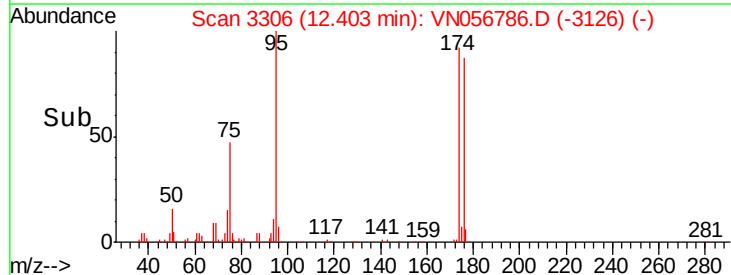
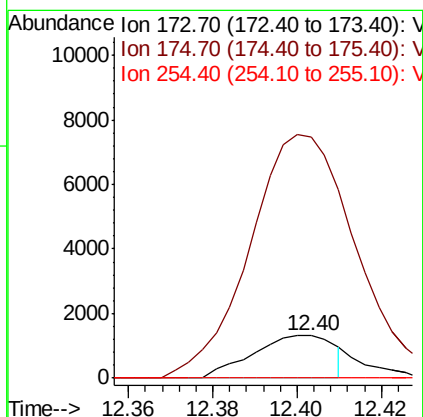
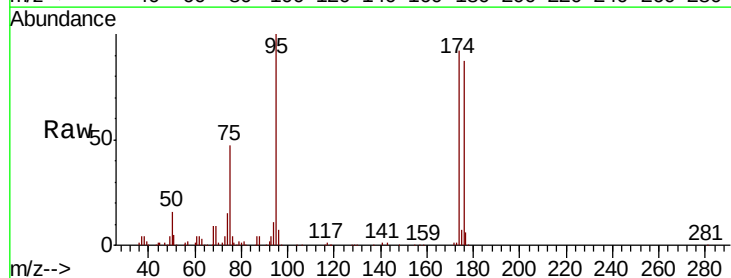
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TB-01-190715

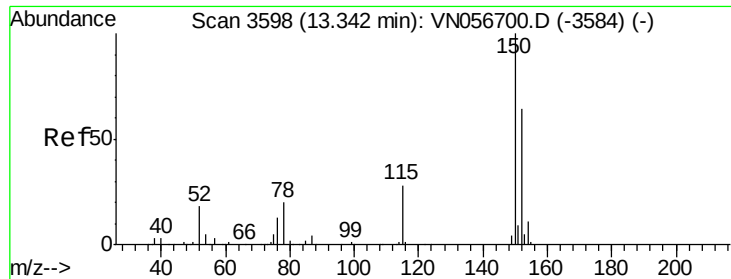
Tot Ion:117 Resp: 470349
Ion Ratio Lower Upper
117 100
82 53.3 42.2 63.2
119 31.7 25.2 37.8



#71
Bromoform
Concen: 0.659 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056786.D
Acq: 17 Jul 2019 11:05

Tgt Ion:173 Resp: 1775
Ion Ratio Lower Upper
173 100
175 594.0 23.8 71.4#
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: VN056786.D

Acq: 17 Jul 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190715

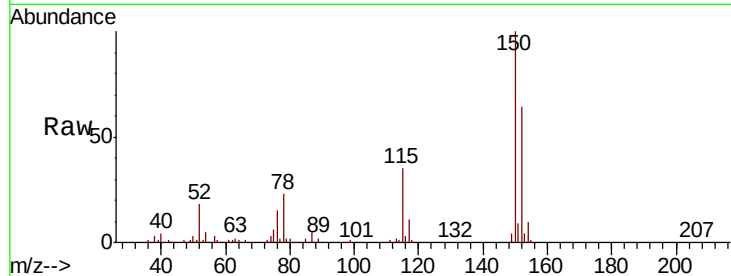
Tot Ion:152 Resp: 163119

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.7

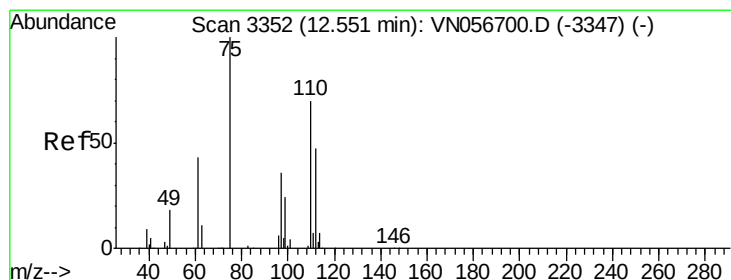
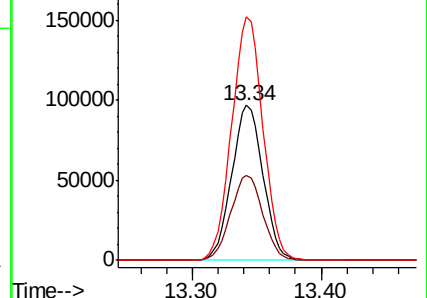
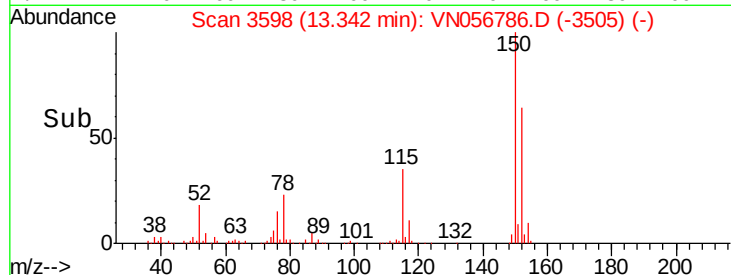
150 157.2 0.0 345.8



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: 26.336 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056786.D

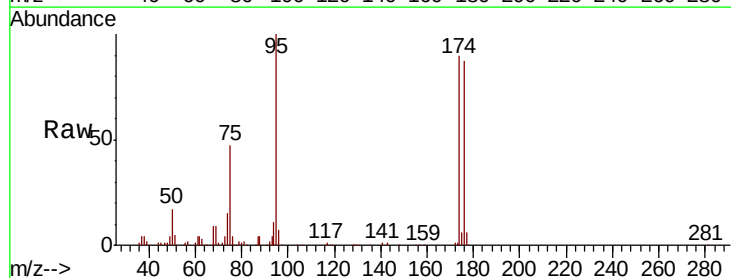
Acq: 17 Jul 2019 11:05

Tgt Ion: 75 Resp: 93957

Ion Ratio Lower Upper

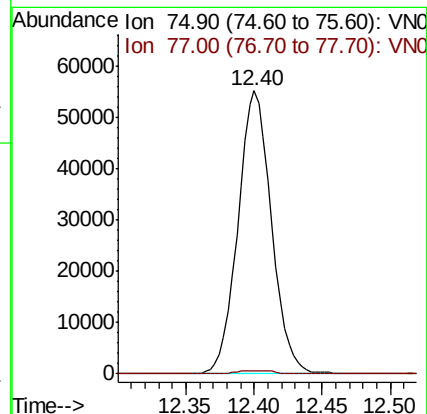
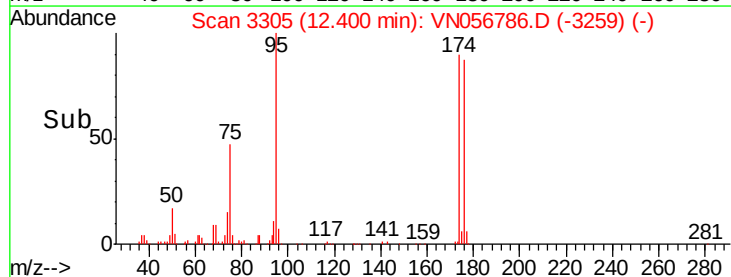
75 100

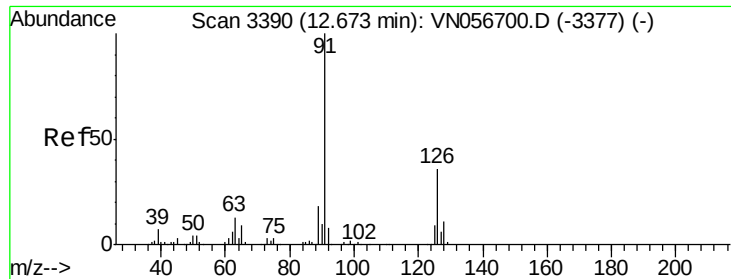
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN056786.D

Acq: 17 Jul 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

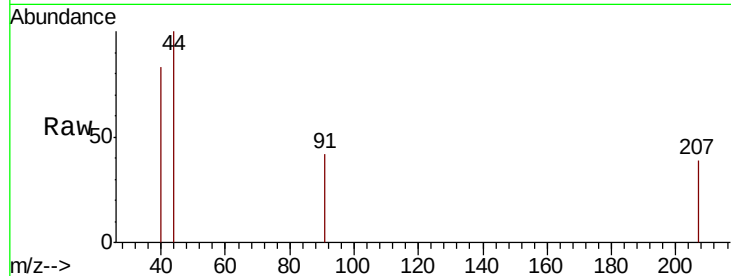
TB-01-190715

Tot Ion: 91 Resp: 33

Ion Ratio Lower Upper

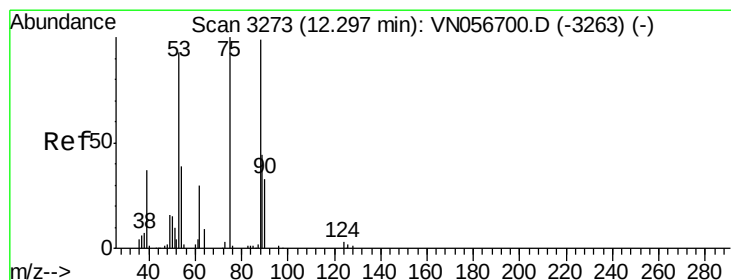
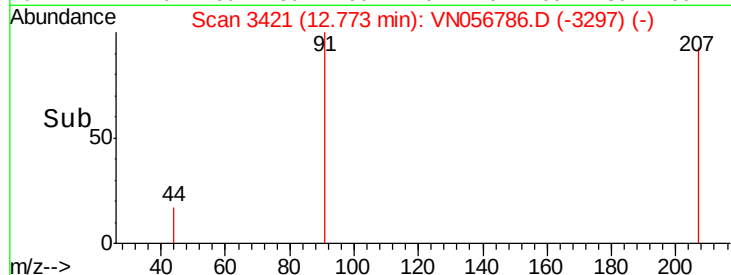
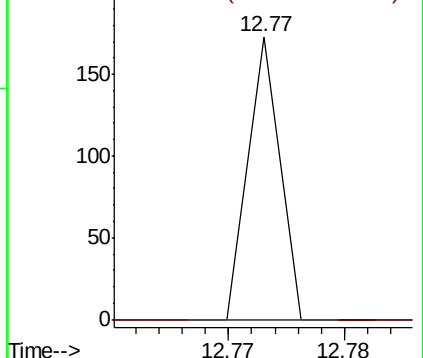
91 100

126 0.0 17.9 53.7#



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: 81.333 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056786.D

Acq: 17 Jul 2019 11:05

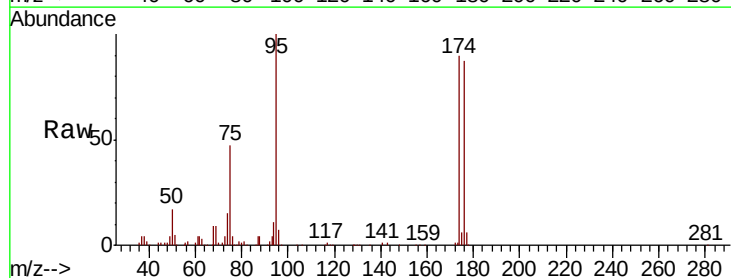
Tgt Ion: 75 Resp: 93957

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

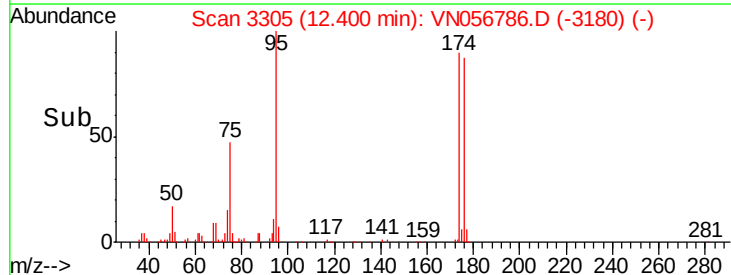
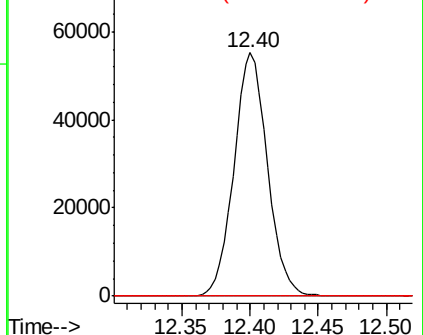
89 0.0 36.2 54.2#

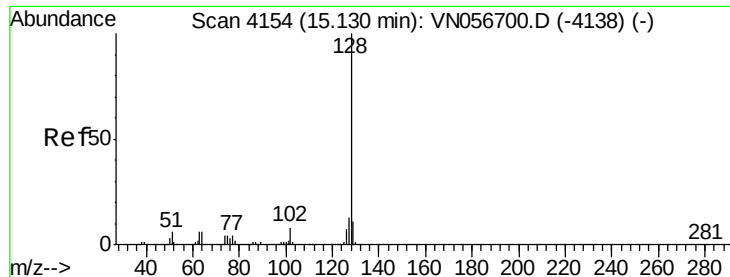


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 4.575 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056786.D

Acq: 17 Jul 2019 11:05

Instrument :

MSVOA_N

ClientSampled :

TB-01-190715

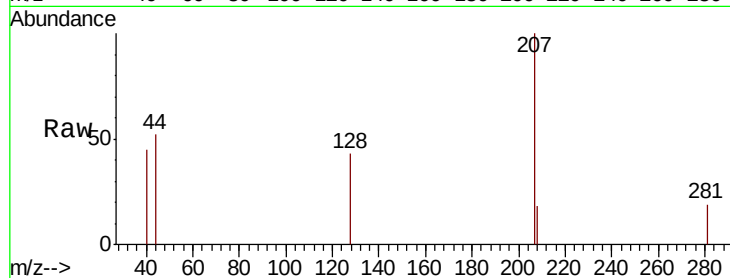
Tot Ion:128 Resp: 479

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

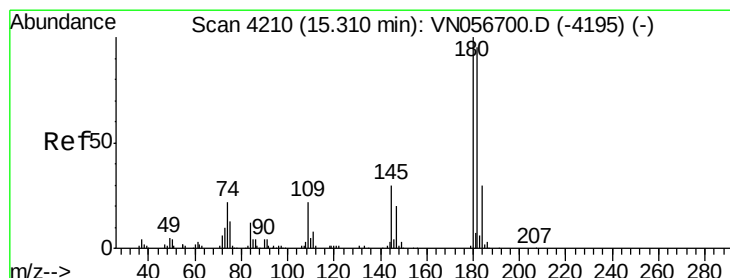
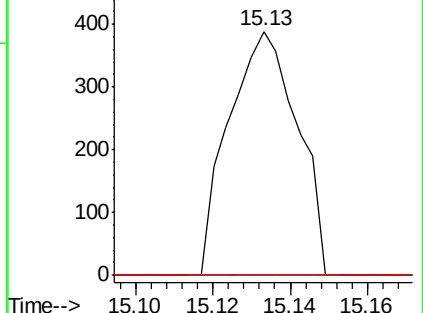
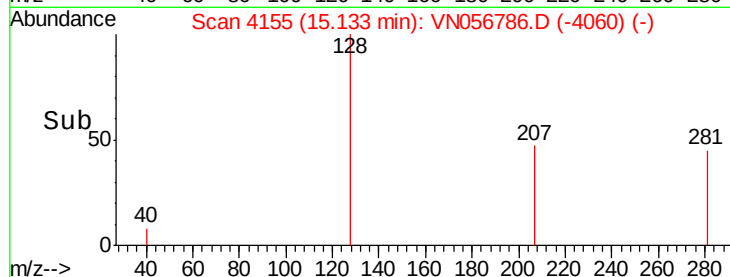
129 0.0 8.7 13.1#



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: 3.365 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.00 min

Lab File: VN056786.D

Acq: 17 Jul 2019 11:05

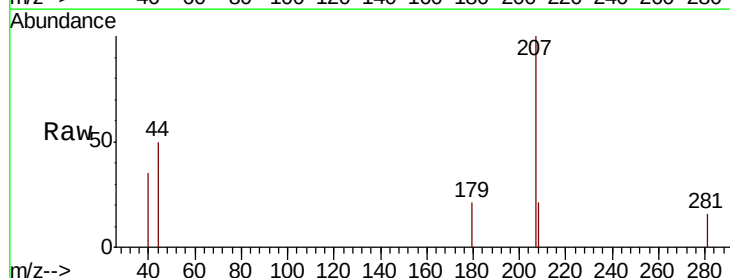
Tgt Ion:180 Resp: 142

Ion Ratio Lower Upper

180 100

182 47.9 47.1 141.3

145 0.0 15.0 45.1#



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

