

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056797.D
 Acq On : 17 Jul 2019 15:21
 Operator : JC/SP
 Sample : K3841-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 18 01:06:41 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	260536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	467560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	490233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176197	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	153950	53.42	ug/l	0.00
Spiked Amount						
			Recovery	=	106.84%	
35) Dibromofluoromethane	7.59	113	140123	48.16	ug/l	0.00
Spiked Amount						
			Recovery	=	96.32%	
50) Toluene-d8	10.09	98	584175	51.98	ug/l	0.00
Spiked Amount						
			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.40	95	212528	56.08	ug/l	0.00
Spiked Amount						
			Recovery	=	112.16%	

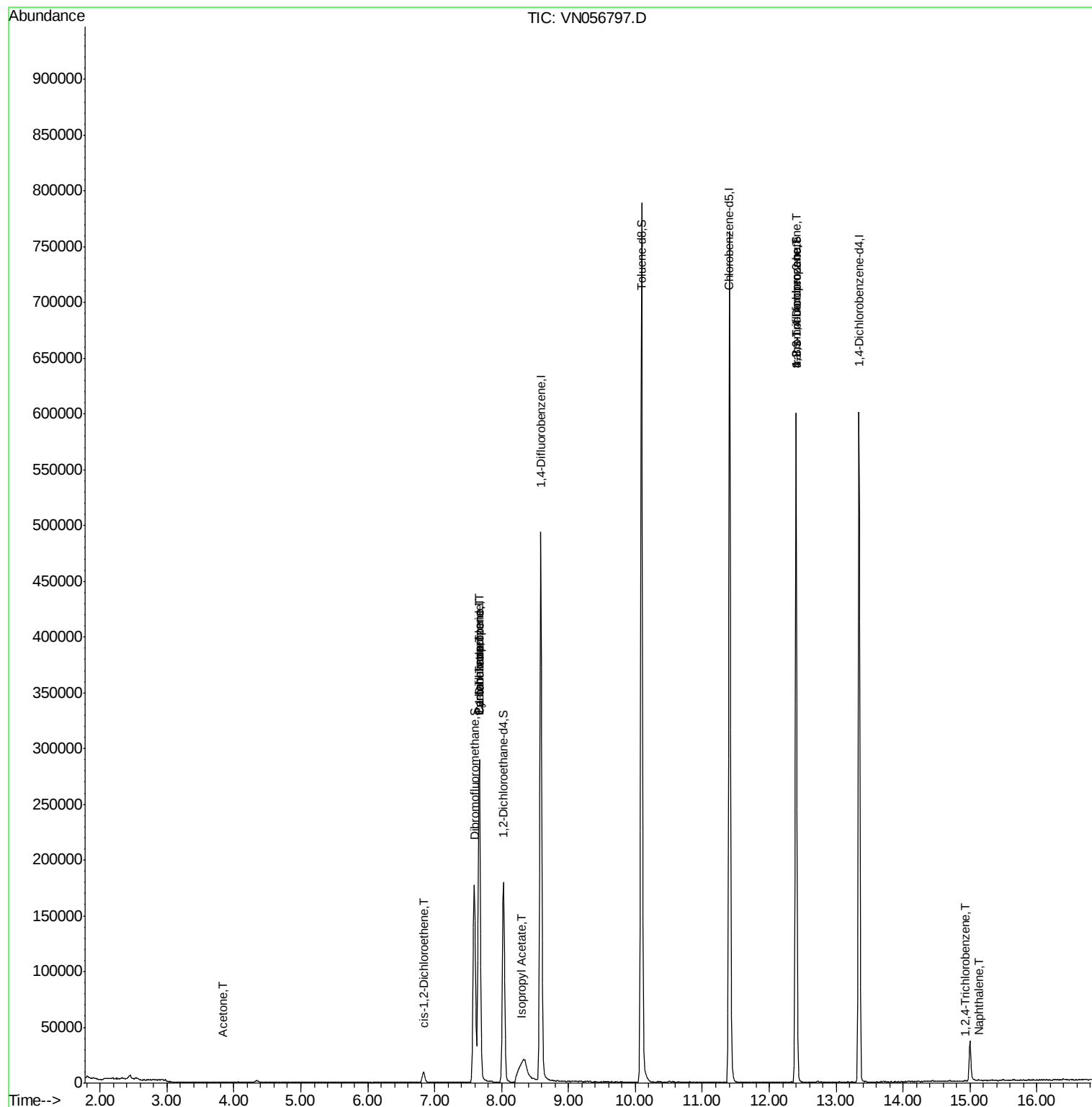
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	901	0.678	ug/l #	41
18) Methyl Acetate	4.34	43	2591	Below Cal		96
27) cis-1,2-Dichloroethene	6.83	96	6717	2.255	ug/l	77
31) Cyclohexane	7.67	56	4117	0.894	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	16572	3.830	ug/l #	48
38) Carbon Tetrachloride	7.67	117	22170	5.464	ug/l #	16
43) Isopropyl Acetate	8.30	43	24686	3.682	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	97872	25.397	ug/l #	100
79) 2-Chlorotoluene	12.59	91	30	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	97872	78.434	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	136	3.728	ug/l #	13
95) Naphthalene	15.14	128	502	4.574	ug/l #	69

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

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QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

Instrument :

MSVOA_N

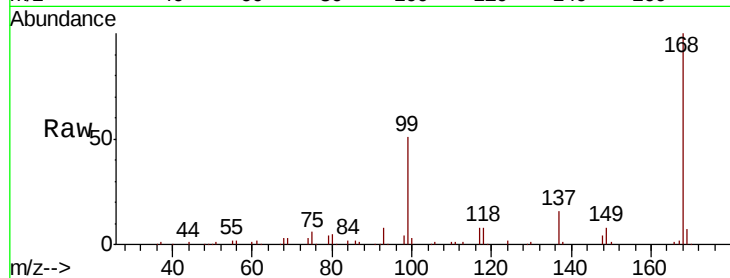
ClientSampleId :

Tot Ion:168 Resp: 260536

Ion Ratio Lower Upper

168 100

99 50.6 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

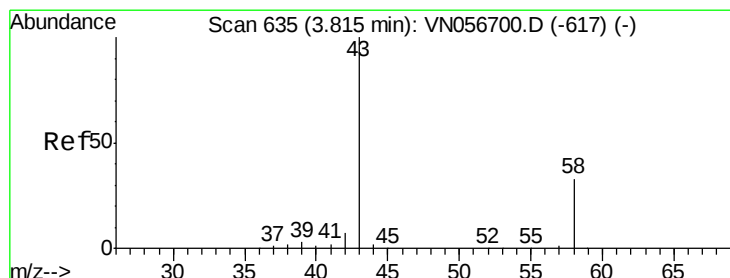
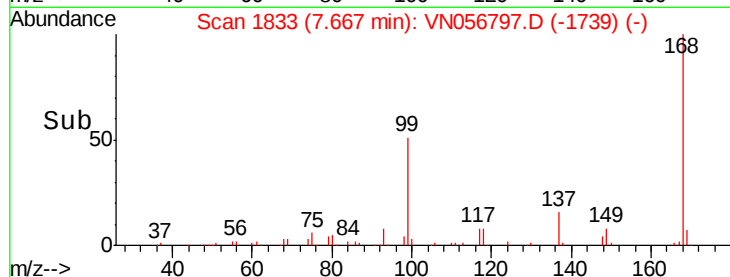
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 0.678 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN056797.D

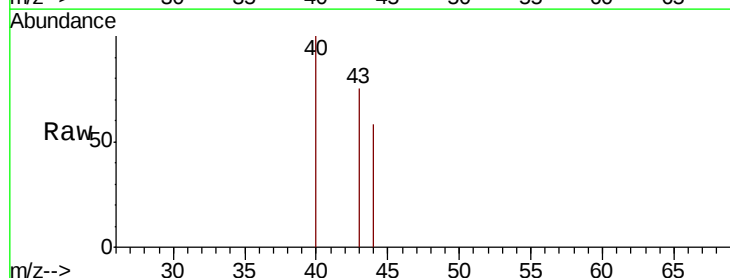
Acq: 17 Jul 2019 15:21

Tgt Ion: 43 Resp: 901

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

3.83

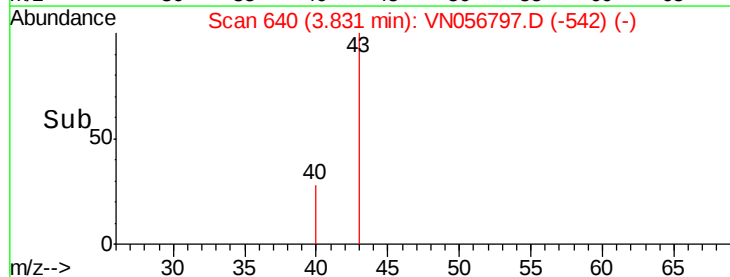
300

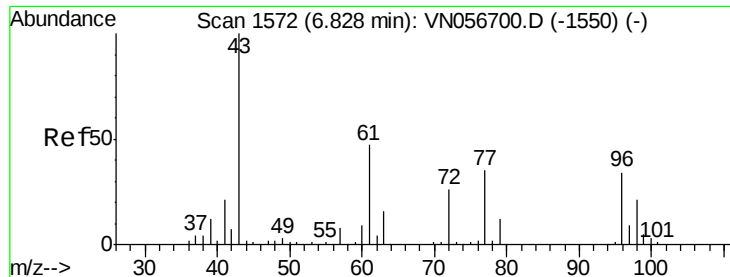
200

100

0

Time--> 3.80 3.85





#27

cis-1,2-Dichloroethene

Concen: 2.255 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

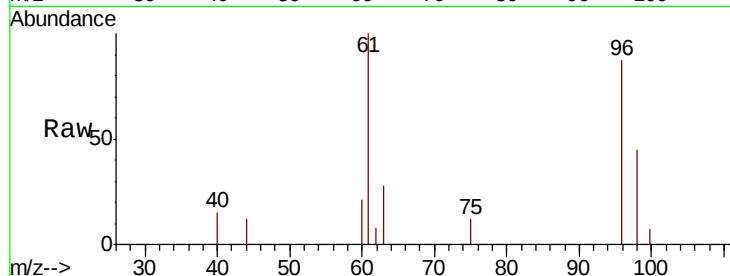
Tot Ion: 96 Resp: 6717

Ion Ratio Lower Upper

96 100

61 115.7 0.0 281.4

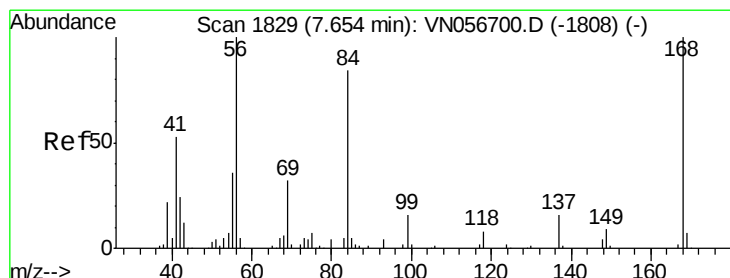
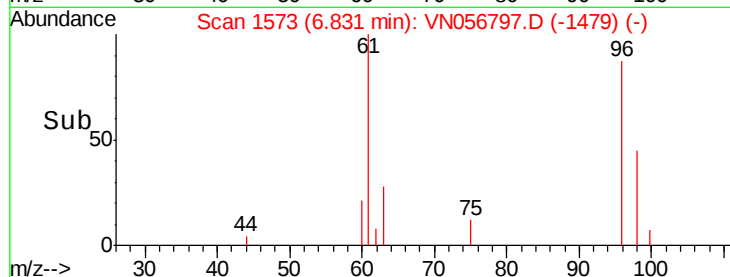
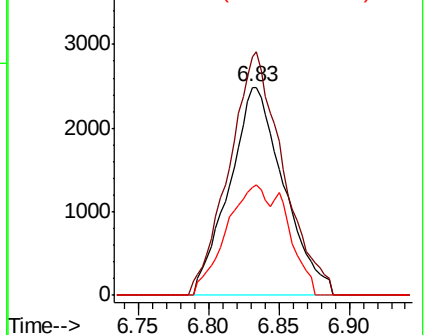
98 41.0 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN056797.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN056797.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN056797.D (-1479) (-)



#31

Cyclohexane

Concen: 0.894 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

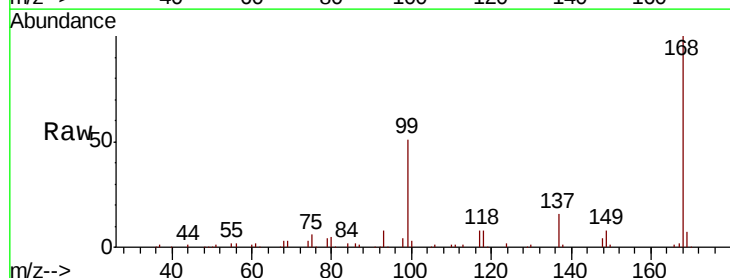
Tgt Ion: 56 Resp: 4117

Ion Ratio Lower Upper

56 100

69 182.0 25.8 38.8#

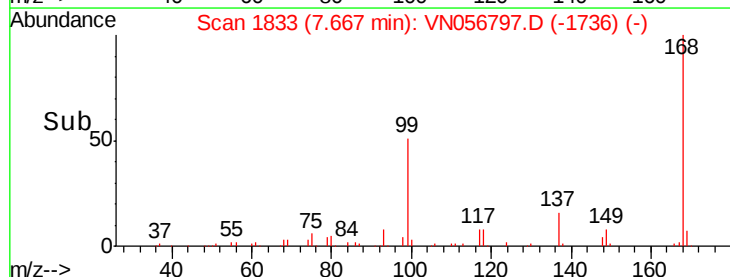
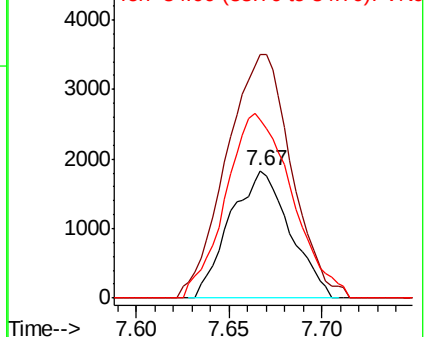
84 128.0 67.4 101.0#

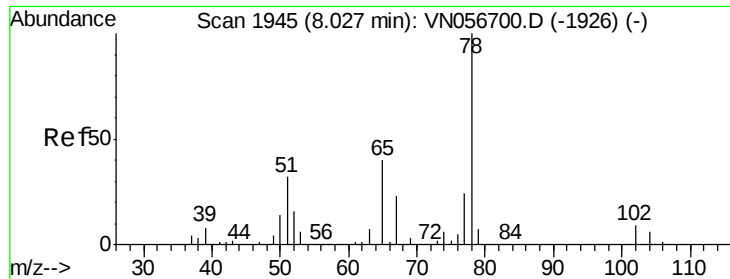


Abundance Ion 56.00 (55.70 to 56.70): VN056797.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN056797.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN056797.D (-1736) (-)

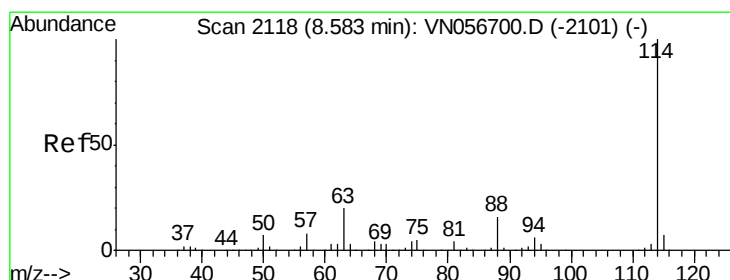
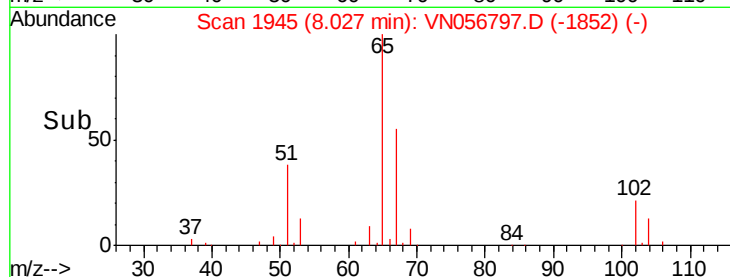
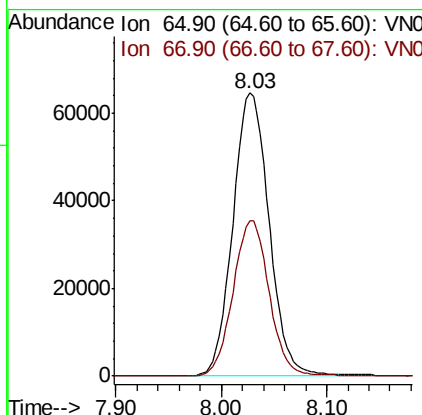
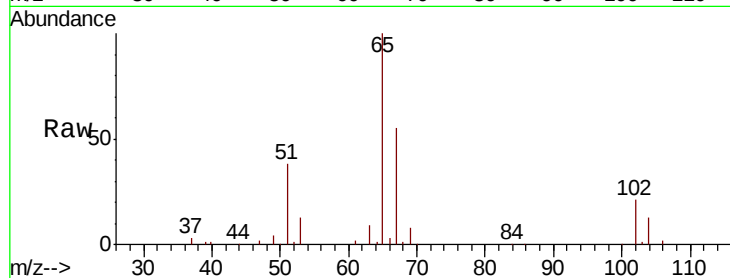




#33
 1,2-Dichloroethane-d4
 Concen: 53.420 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056797.D
 Acq: 17 Jul 2019 15:21

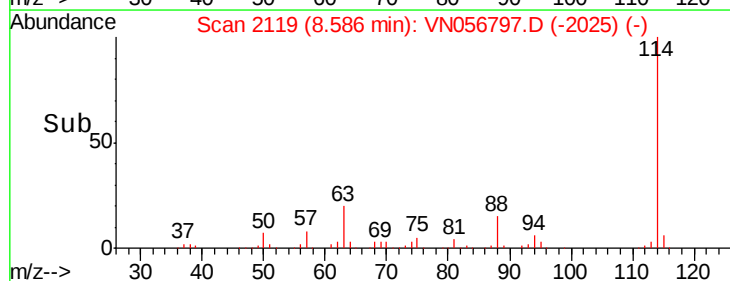
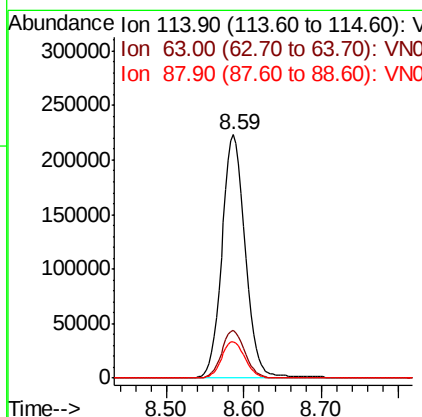
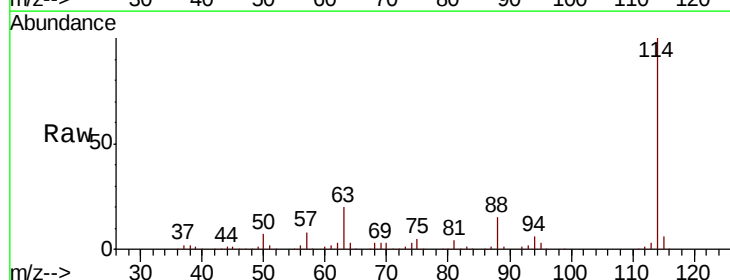
Instrument :
 MSVOA_N
 ClientSampleId :

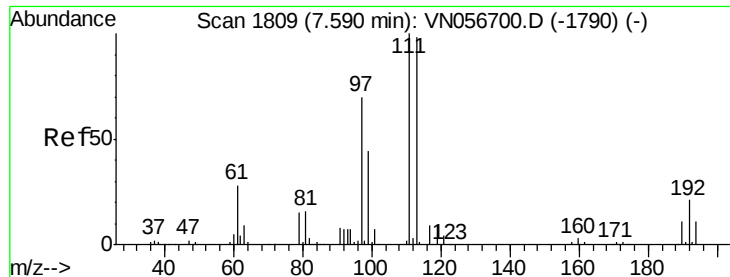
Tot Ion: 65 Resp: 153950
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056797.D
 Acq: 17 Jul 2019 15:21

Tgt Ion: 114 Resp: 467560
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.0 0.0 31.2

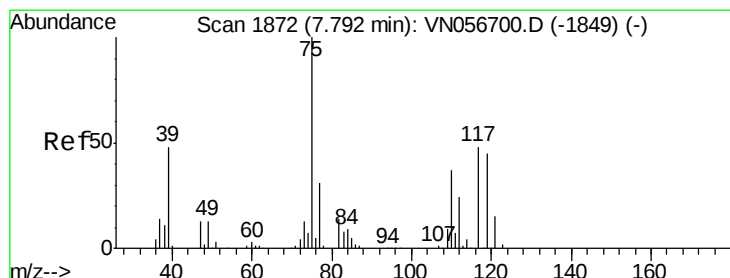
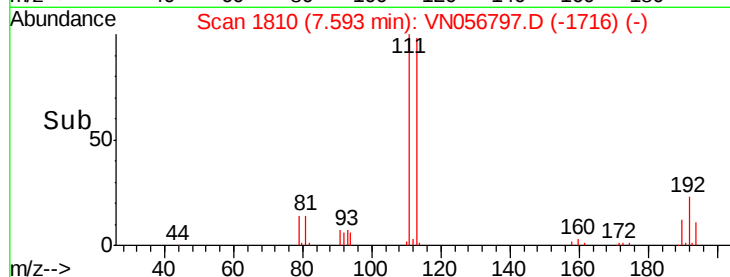
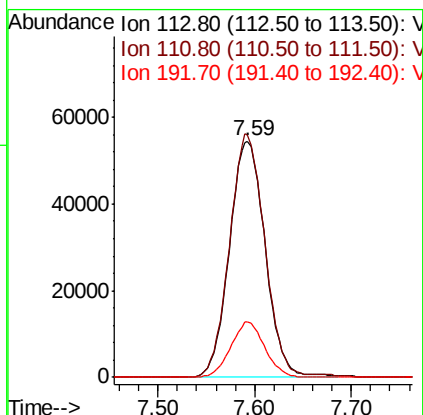
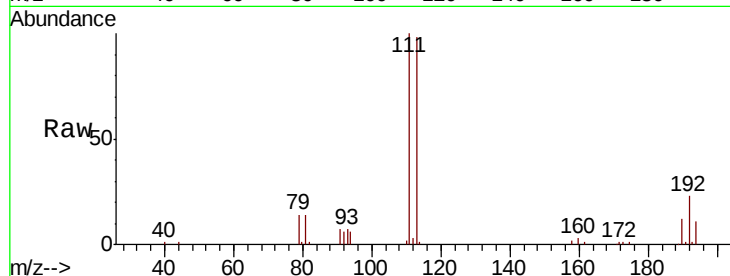




#35
 Dibromofluoromethane
 Concen: 48.157 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056797.D
 Acq: 17 Jul 2019 15:21

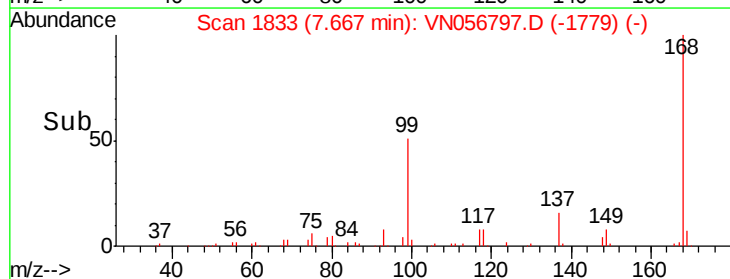
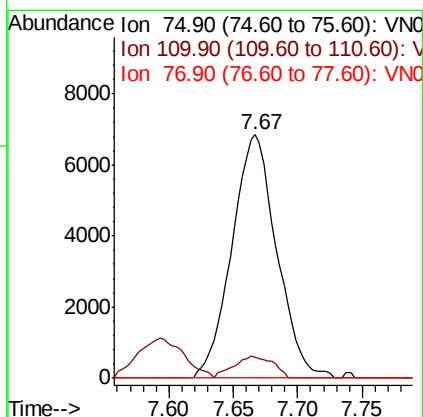
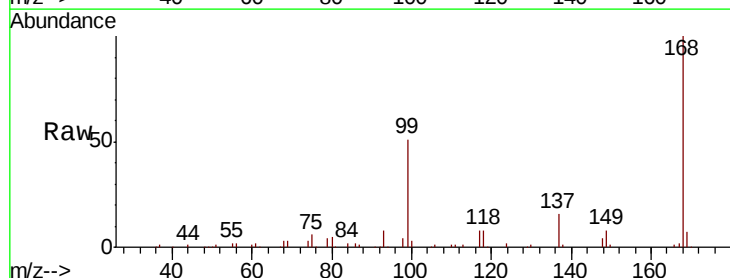
Instrument :
 MSVOA_N
 ClientSampleId :

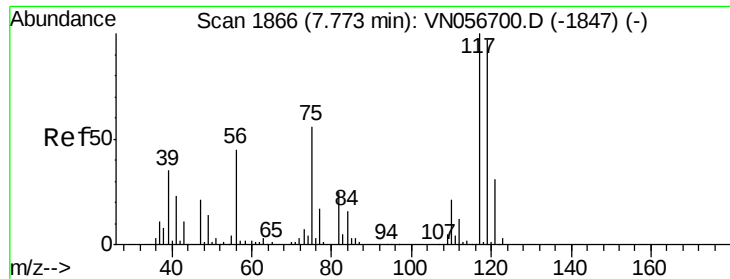
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	22.2	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 3.830 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN056797.D
 Acq: 17 Jul 2019 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.4	55.4#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.464 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

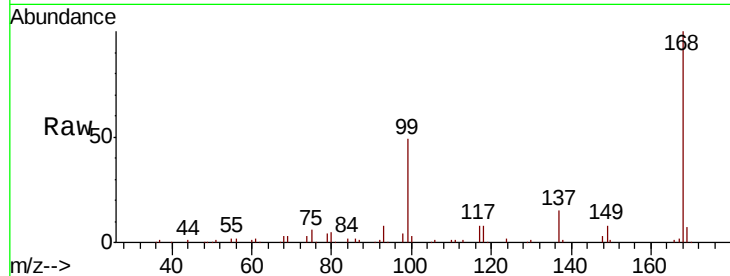
Tot Ion:117 Resp: 22170

Ion Ratio Lower Upper

117 100

119 5.4 77.5 116.3#

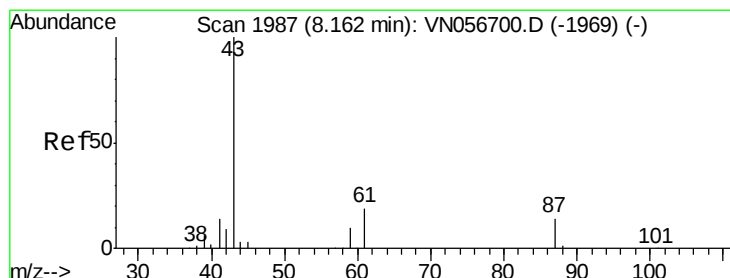
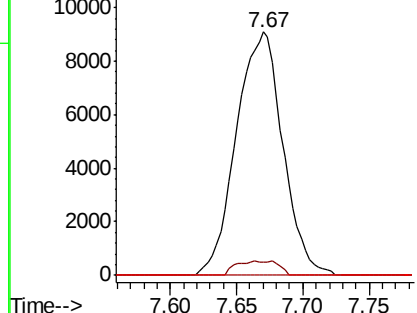
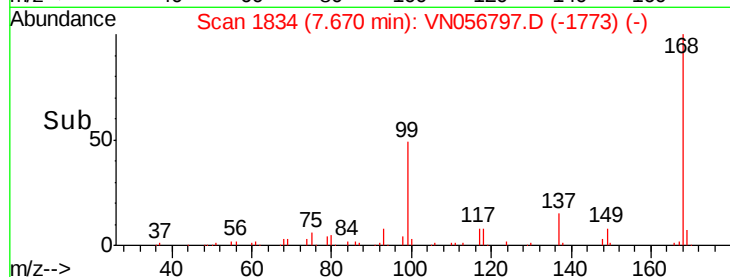
121 0.0 24.7 37.1#



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: 3.682 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

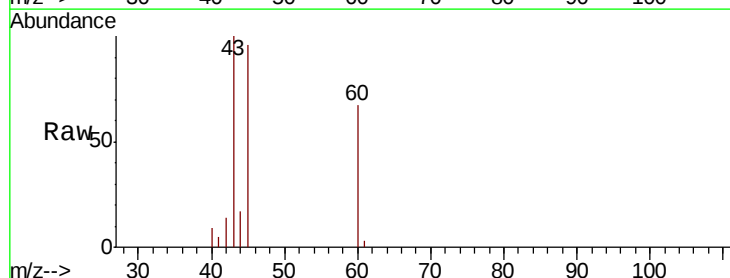
Tgt Ion: 43 Resp: 24686

Ion Ratio Lower Upper

43 100

61 0.4 22.3 33.5#

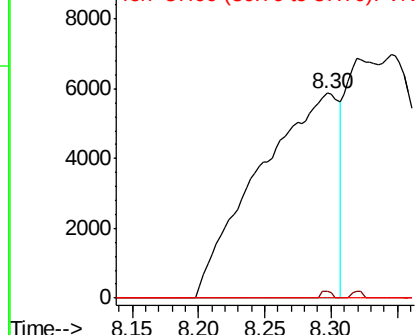
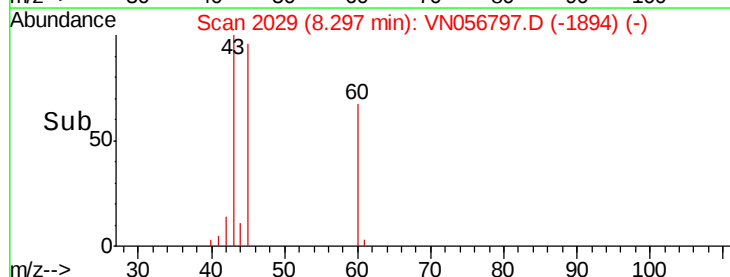
87 0.0 11.1 16.7#

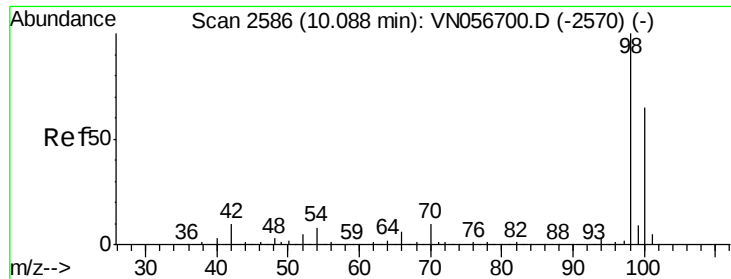


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 51.982 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

Instrument :

MSVOA_N

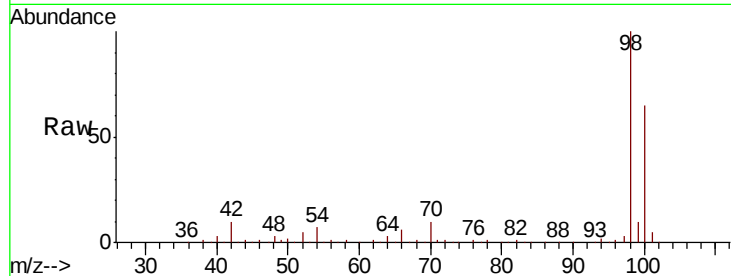
ClientSampled :

Tot Ion: 98 Resp: 584175

Ion Ratio Lower Upper

98 100

100 64.8 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

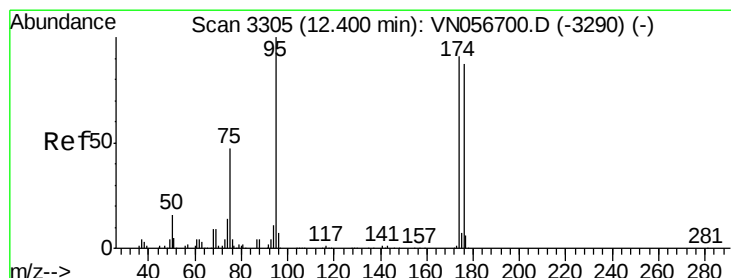
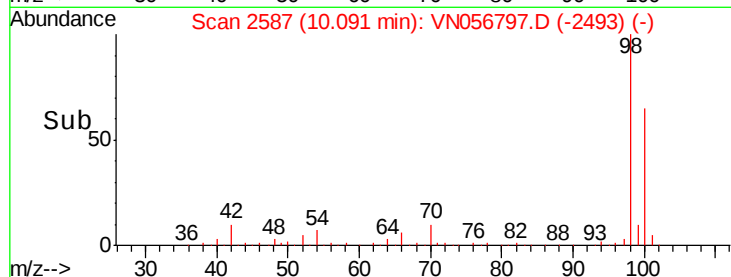
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.078 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

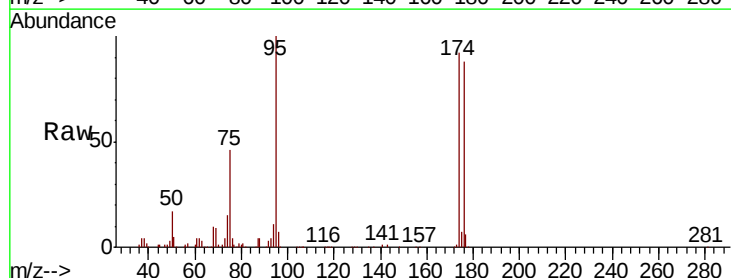
Tgt Ion: 95 Resp: 212528

Ion Ratio Lower Upper

95 100

174 92.1 0.0 180.0

176 87.3 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

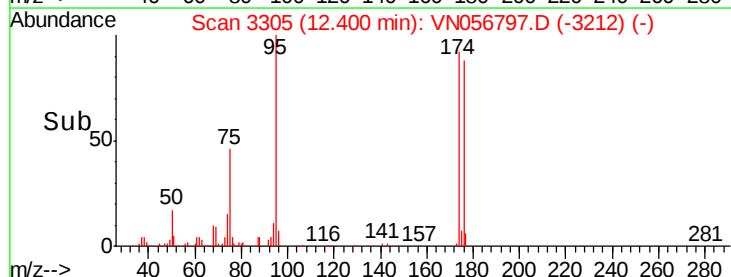
150000

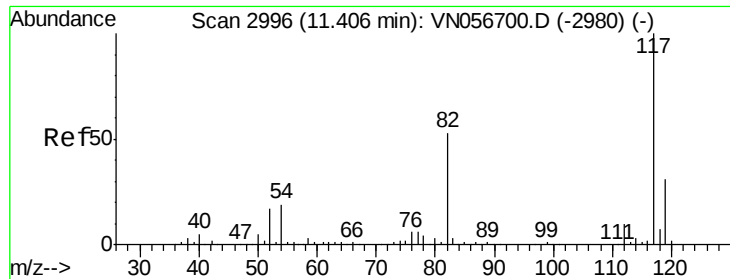
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

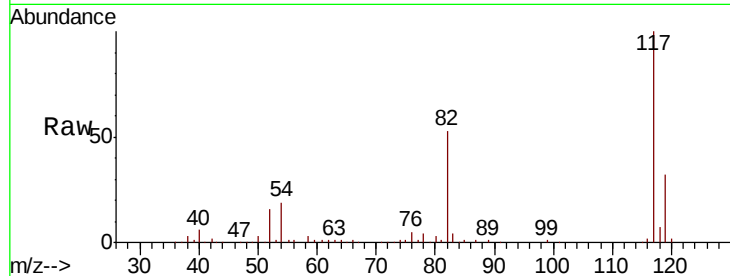
Tot Ion:117 Resp: 490233

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.2

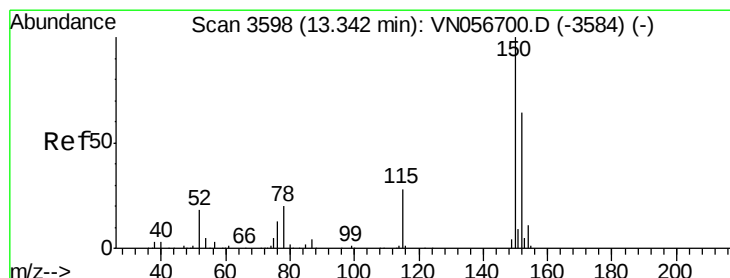
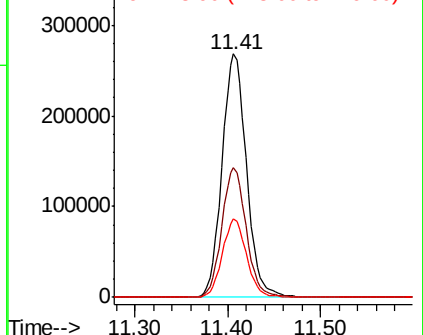
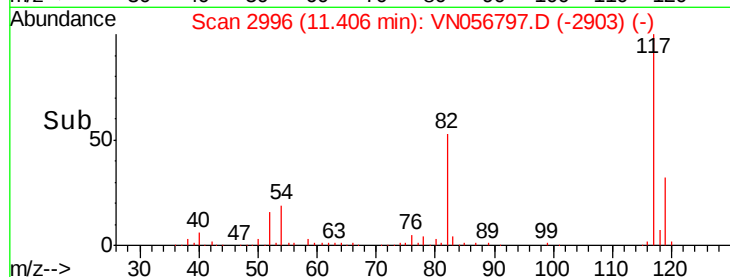
119 32.1 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN056797.D

Acq: 17 Jul 2019 15:21

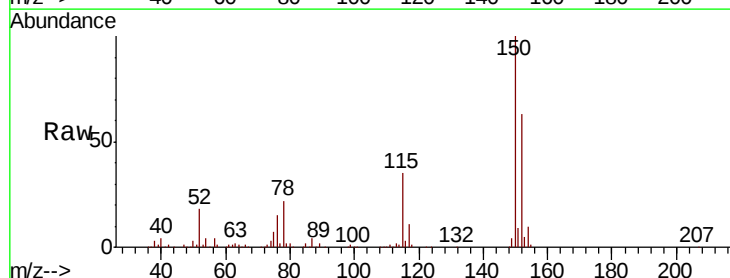
Tgt Ion:152 Resp: 176197

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.7

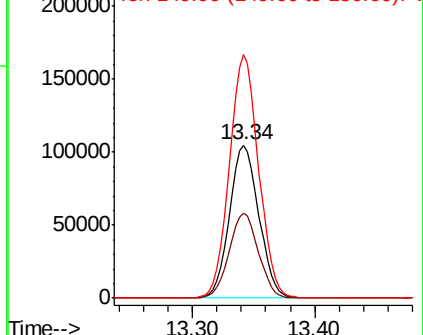
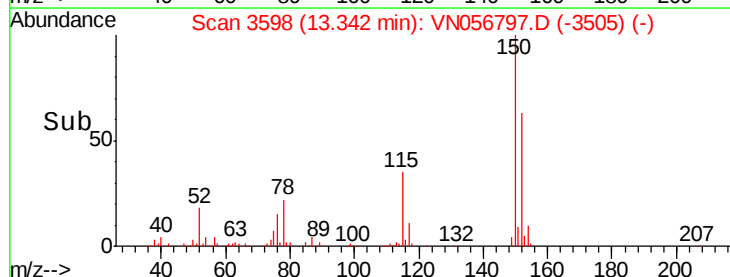
150 157.9 0.0 345.8

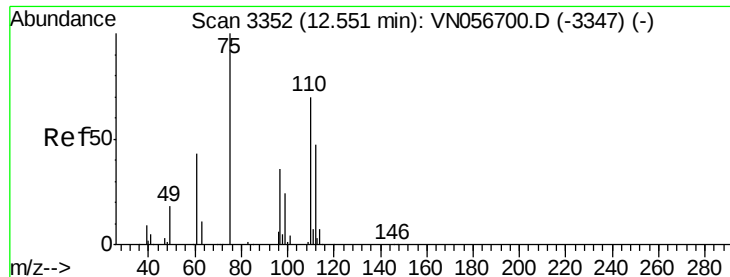


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.397 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

Instrument :

MSVOA_N

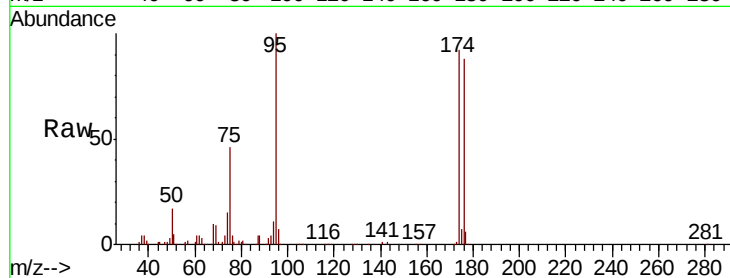
ClientSampleId :

Tot Ion: 75 Resp: 97872

Ion Ratio Lower Upper

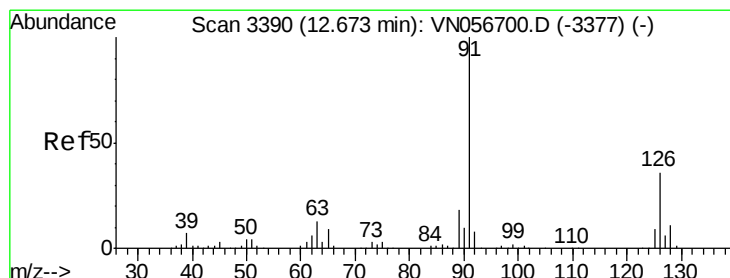
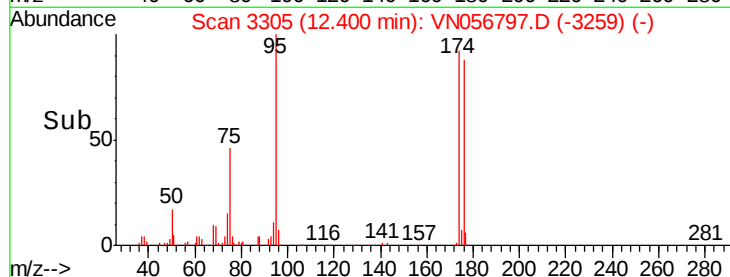
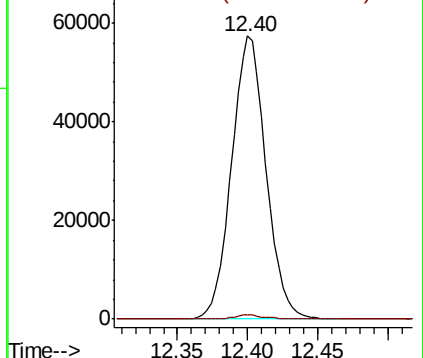
75 100

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: VN056797.D

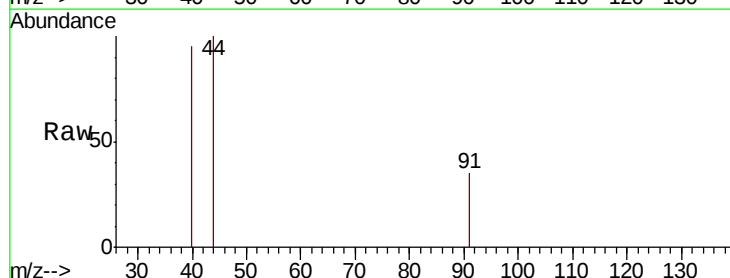
Acq: 17 Jul 2019 15:21

Tgt Ion: 91 Resp: 30

Ion Ratio Lower Upper

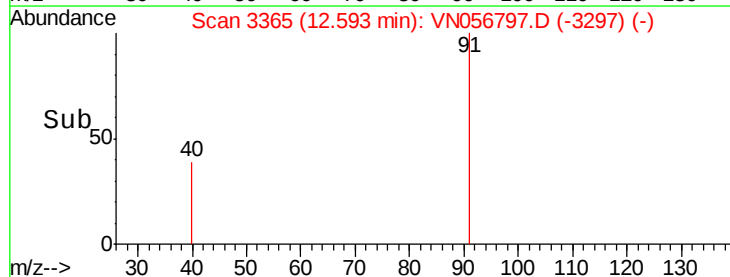
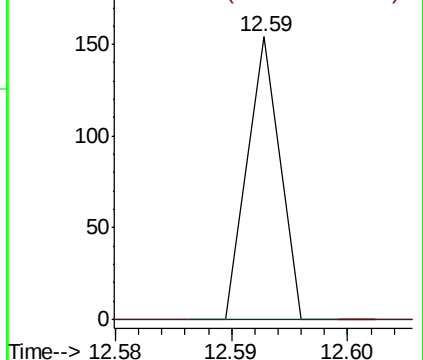
91 100

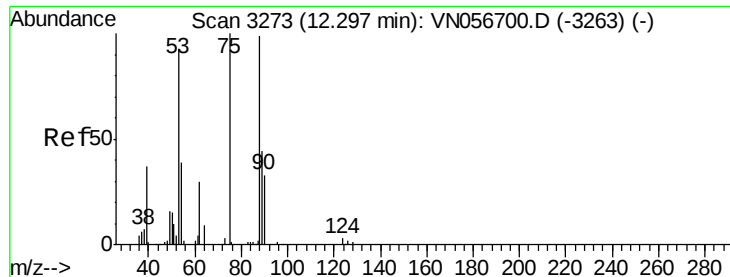
126 0.0 17.9 53.7#



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: 78.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

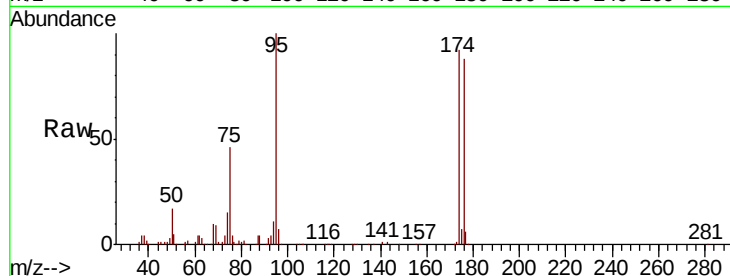
Tot Ion: 75 Resp: 97872

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

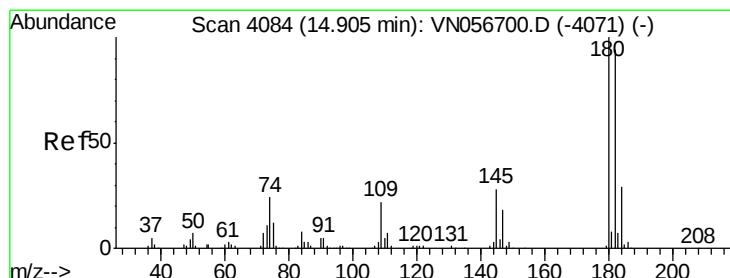
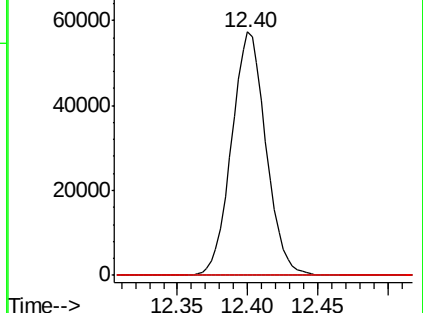
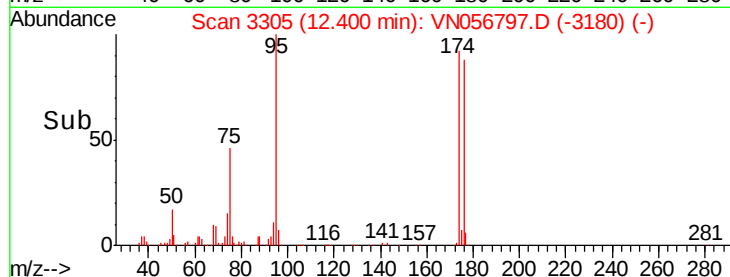
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056797.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN056797.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN056797.D (-3180) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.728 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

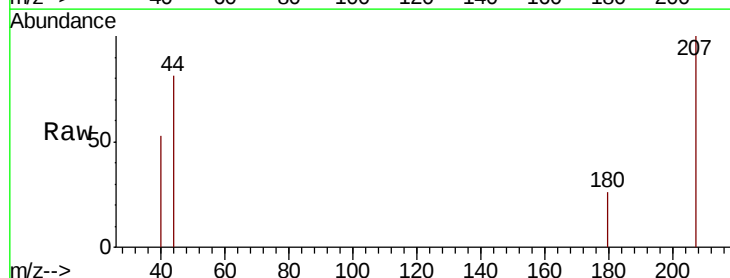
Tgt Ion: 180 Resp: 136

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

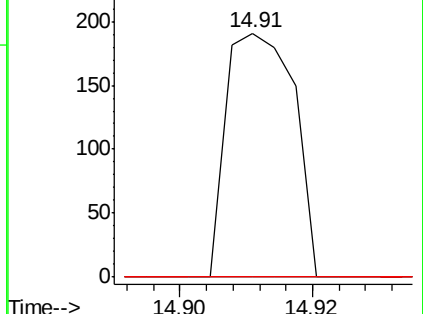
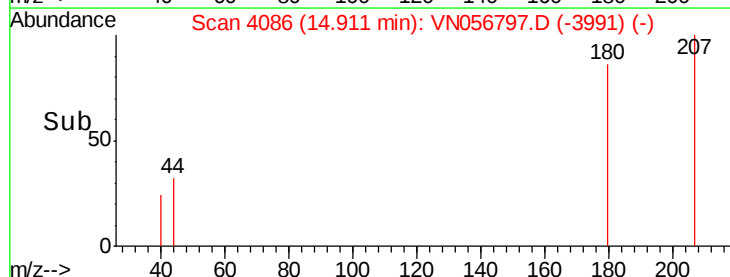
145 0.0 14.2 42.8#

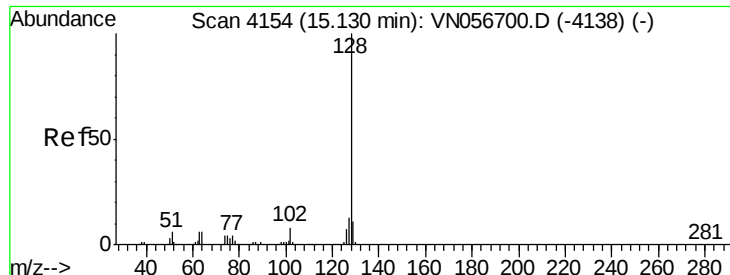


Abundance Ion 179.80 (179.50 to 180.50): VN056797.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN056797.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN056797.D (-3991) (-)





#95

Naphthalene

Concen: 4.574 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

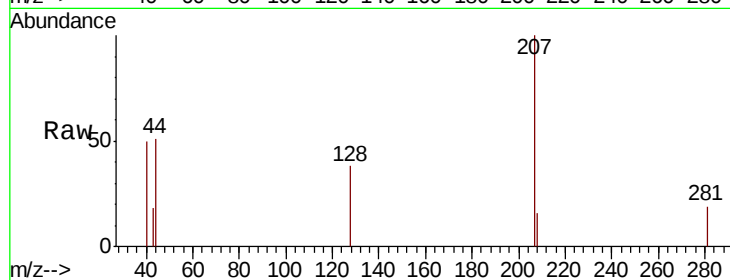
Lab File: VN056797.D

Acq: 17 Jul 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :



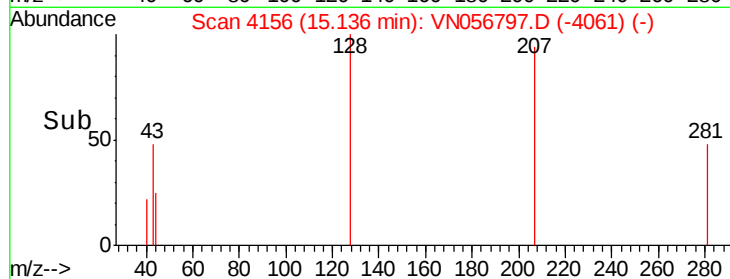
Tot Ion:128 Resp: 502

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

