

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056796.D
 Acq On : 17 Jul 2019 14:57
 Operator : JC/SP
 Sample : K3841-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 18 01:06:31 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	267354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	478601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182370	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	156921	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	7.59	113	141388	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
50) Toluene-d8	10.09	98	606363	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.40	95	219219	56.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.02%	

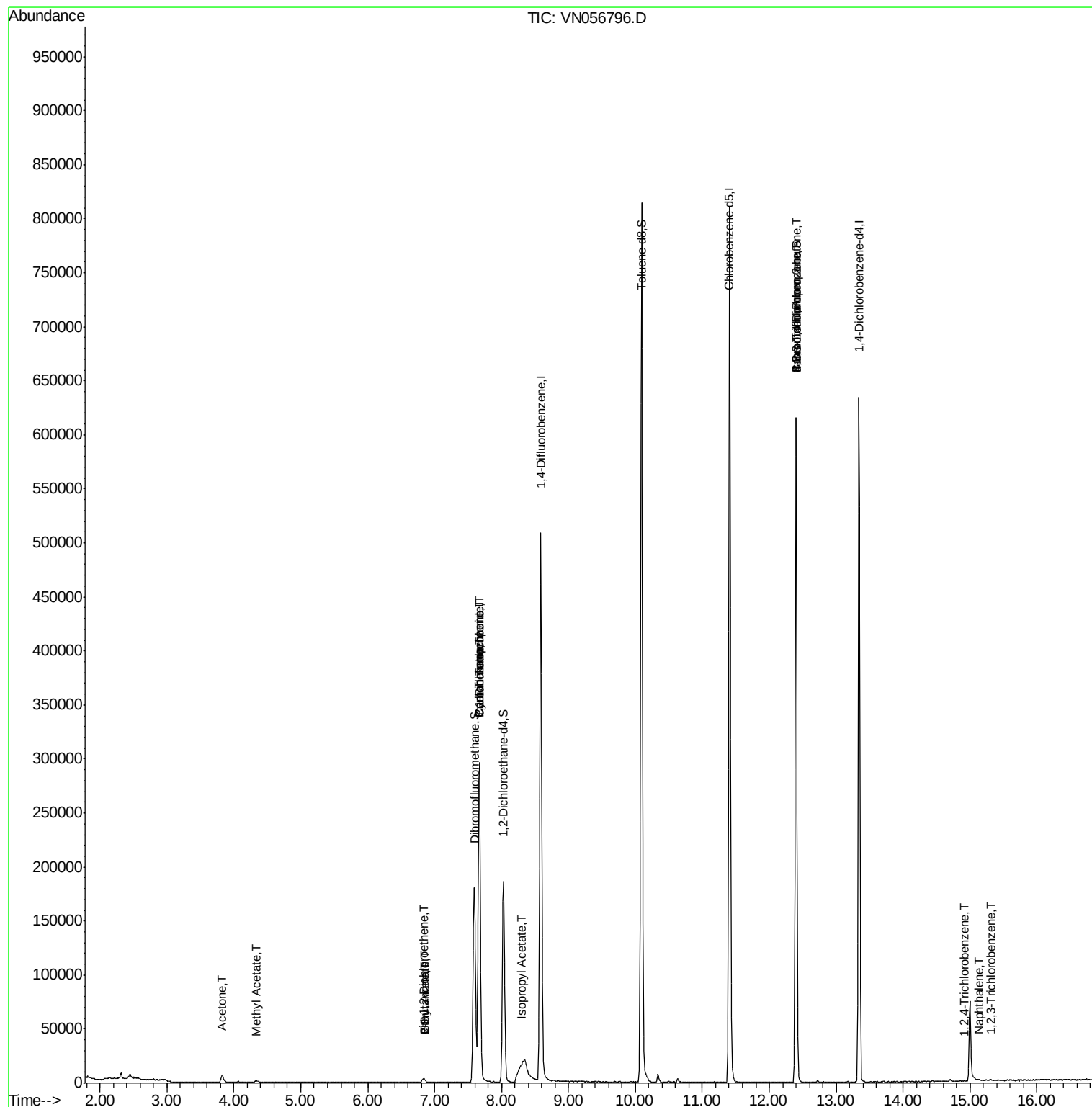
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	12489	9.164	ug/l	93
18) Methyl Acetate	4.34	43	4198	0.406	ug/l #	80
25) 2-Butanone	6.86	43	1430	0.718	ug/l #	48
27) cis-1,2-Dichloroethene	6.83	96	2080	0.680	ug/l	96
31) Cyclohexane	7.67	56	4370	0.924	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17072	3.855	ug/l #	44
37) Ethyl Acetate	6.86	43	1430	0.328	ug/l #	1
38) Carbon Tetrachloride	7.66	117	23319	5.615	ug/l #	16
43) Isopropyl Acetate	8.29	43	19169	2.793	ug/l #	53
71) Bromoform	12.40	173	1805	0.623	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	32	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	102257	25.637	ug/l #	100
79) 2-Chlorotoluene	12.68	91	60	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	102257	79.174	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	285	3.765	ug/l #	66
95) Naphthalene	15.14	128	1096	4.628	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	524	3.461	ug/l #	66

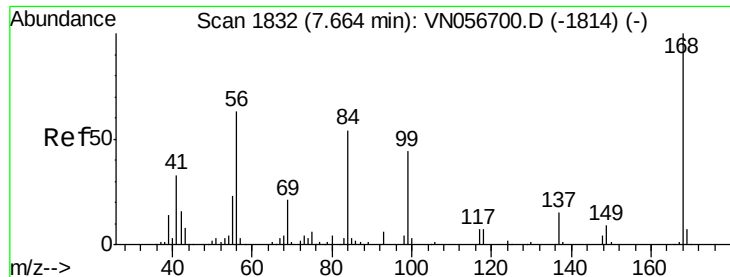
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN056796.D

Acq: 17 Jul 2019 14:57

Instrument :

MSVOA_N

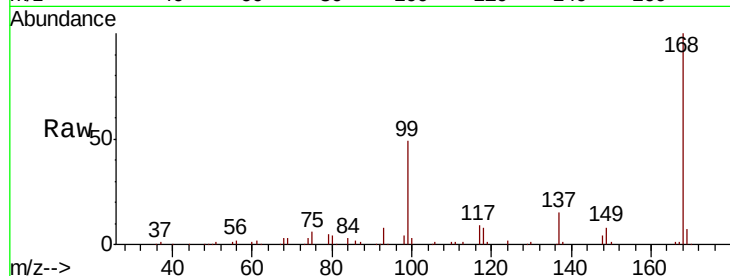
ClientSampleId :

Tot Ion:168 Resp: 267354

Ion Ratio Lower Upper

168 100

99 48.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056700.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN056700.D (-1814) (-)

7.67

120000

100000

80000

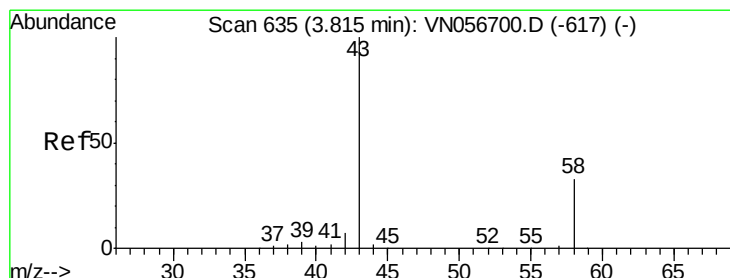
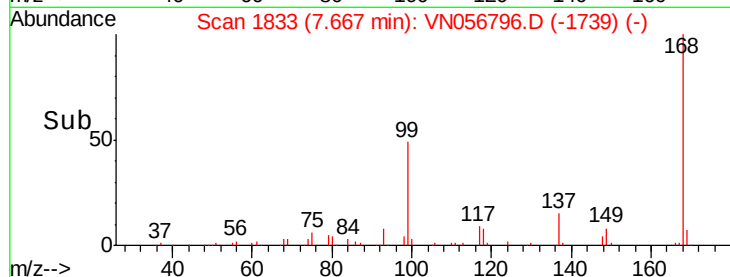
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 9.164 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056796.D

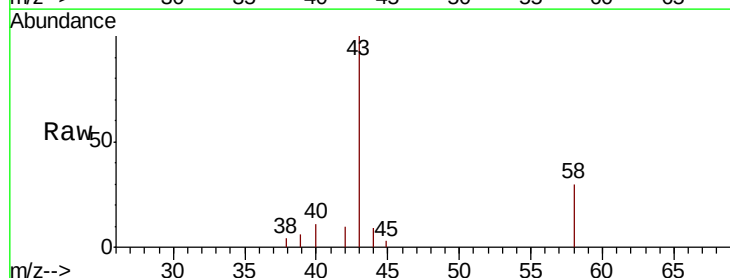
Acq: 17 Jul 2019 14:57

Tgt Ion: 43 Resp: 12489

Ion Ratio Lower Upper

43 100

58 29.7 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN056700.D (-617) (-)

3.82

5000

4000

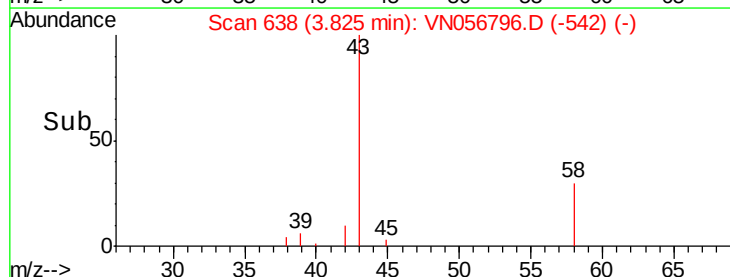
3000

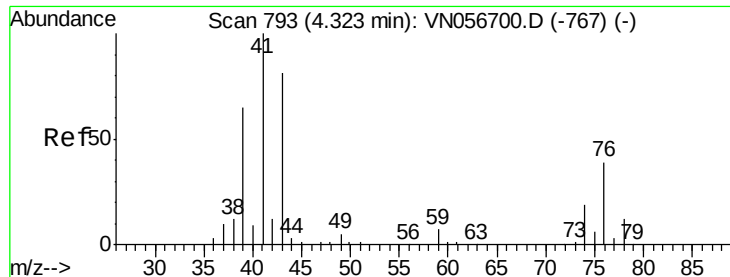
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1000

0

Time-->

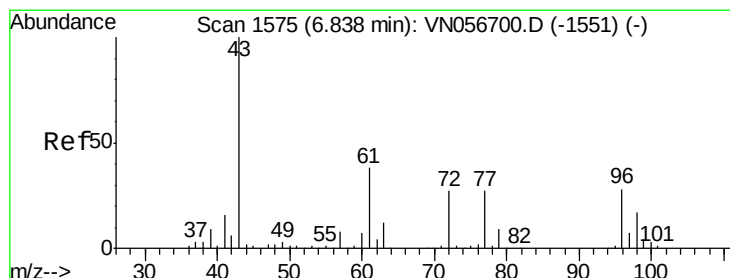
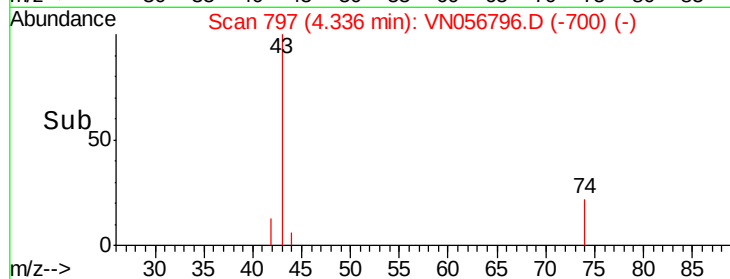
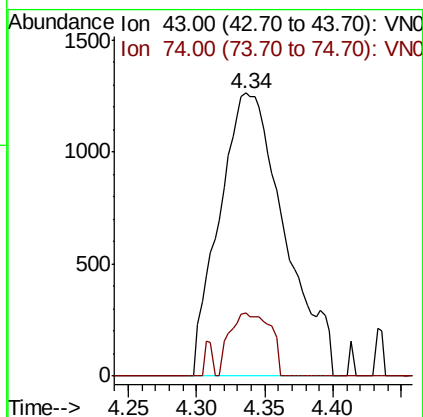
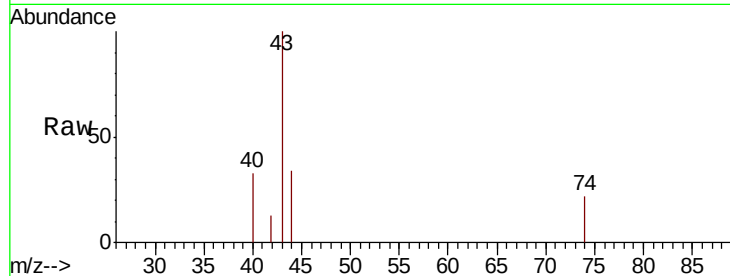




#18
Methyl Acetate
Concen: 0.406 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056796.D
Acq: 17 Jul 2019 14:57

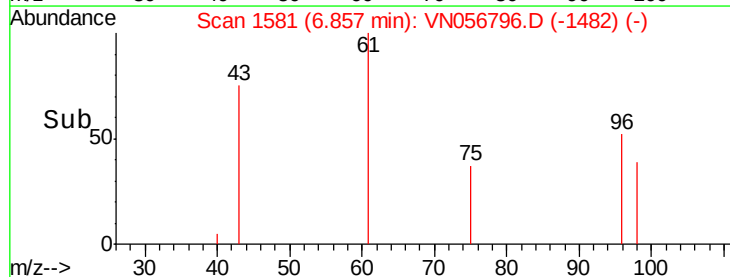
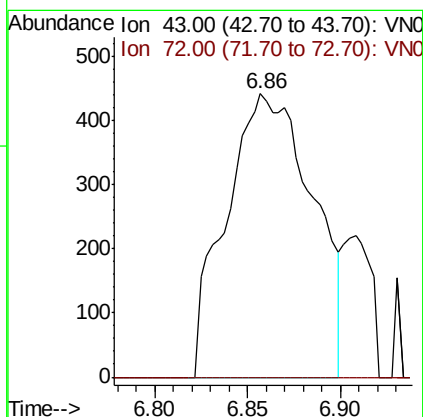
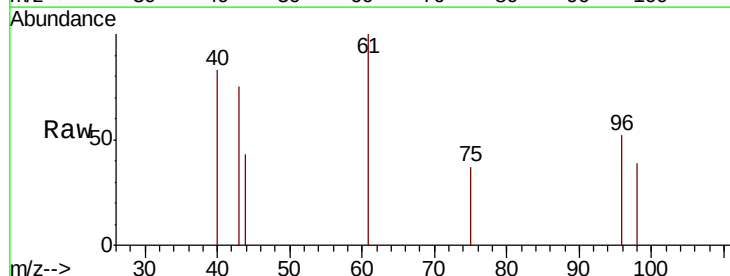
Instrument :
MSVOA_N
ClientSampled :

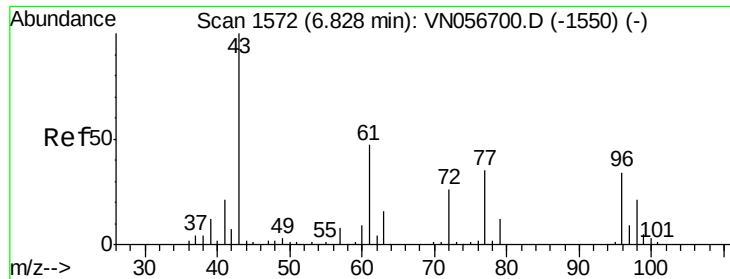
Tot Ion: 43 Resp: 4198
Ion Ratio Lower Upper
43 100
74 13.9 18.9 28.3#



#25
2-Butanone
Concen: 0.718 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN056796.D
Acq: 17 Jul 2019 14:57

Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

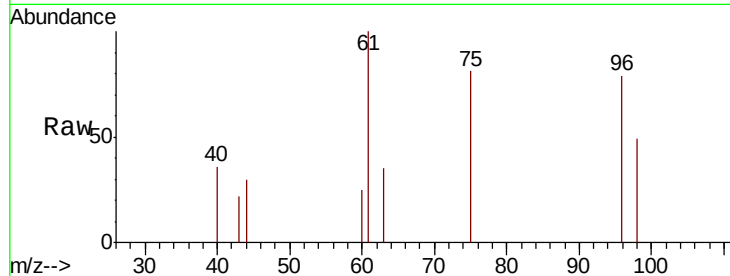




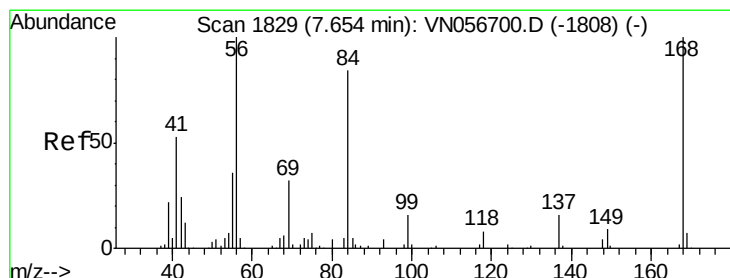
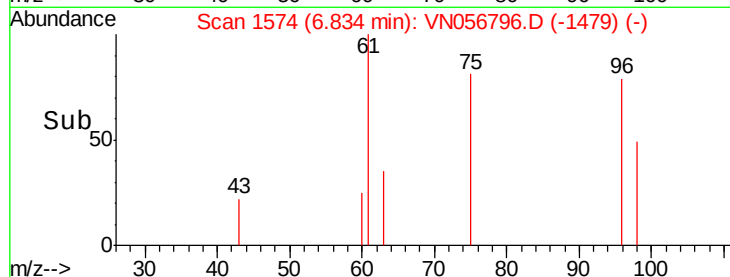
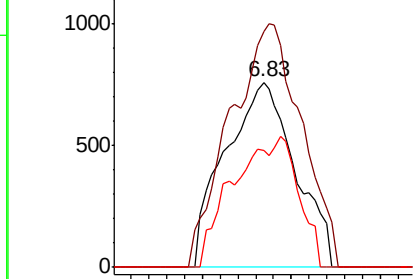
#27
 cis-1,2-Dichloroethene
 Concen: 0.680 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 2080
 Ion Ratio Lower Upper
 96 100
 61 134.4 0.0 281.4
 98 65.8 0.0 127.8

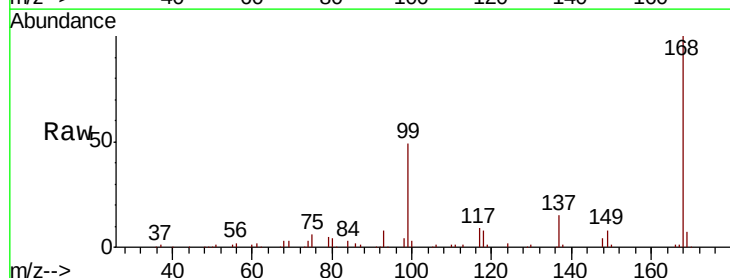


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

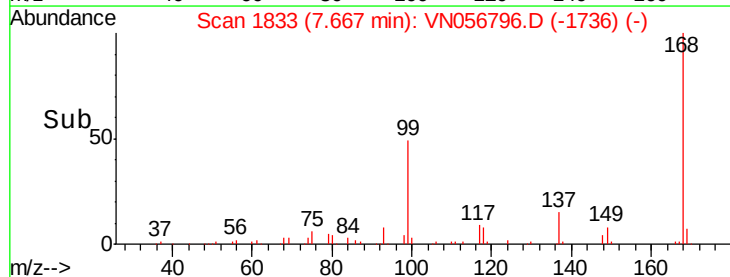
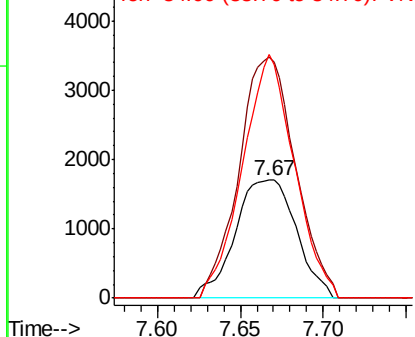


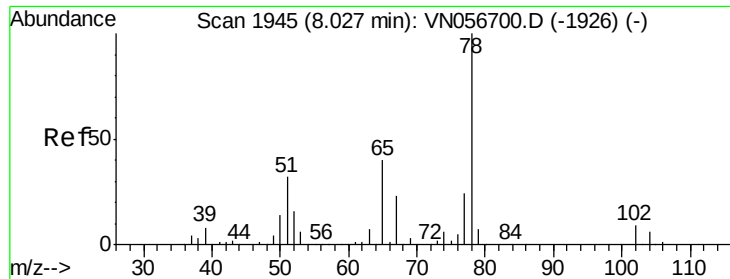
#31
 Cyclohexane
 Concen: 0.924 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

Tgt Ion: 56 Resp: 4370
 Ion Ratio Lower Upper
 56 100
 69 204.3 25.8 38.8#
 84 206.3 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

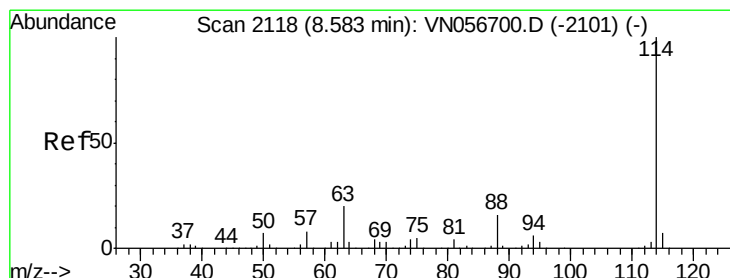
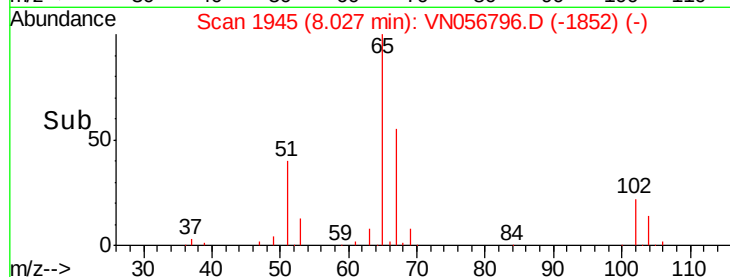
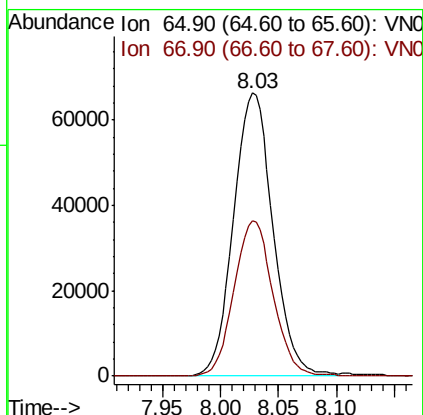
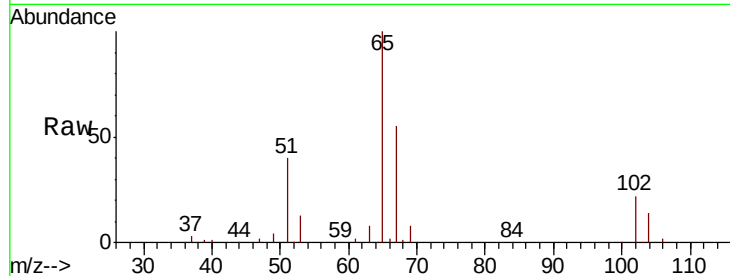




#33
 1,2-Dichloroethane-d4
 Concen: 53.062 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

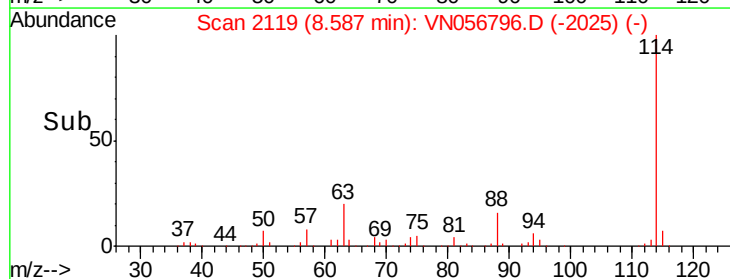
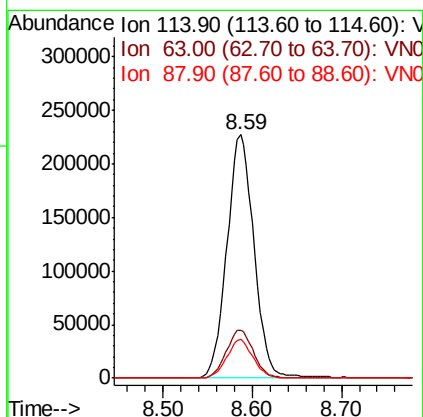
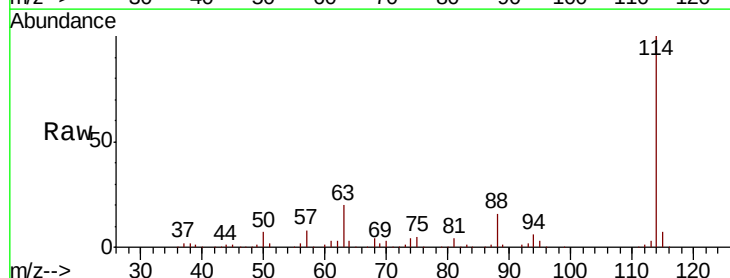
Instrument :
 MSVOA_N
 ClientSampleId :

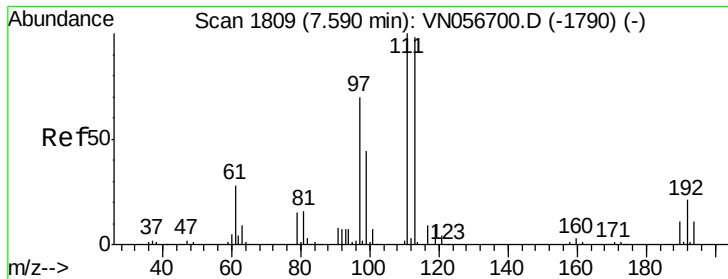
Tot Ion: 65 Resp: 156921
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

Tgt Ion: 114 Resp: 478601
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.8 0.0 31.2

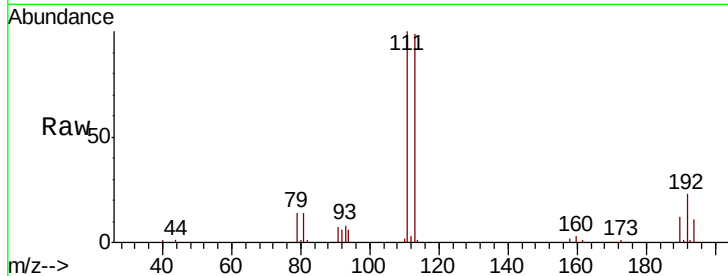




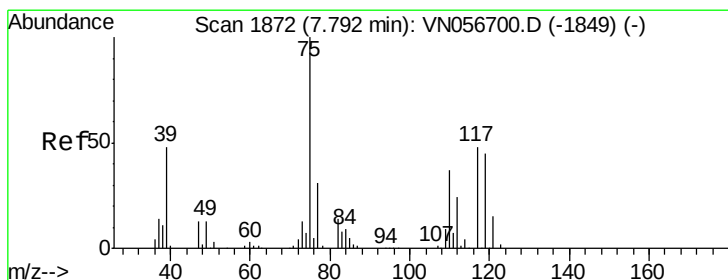
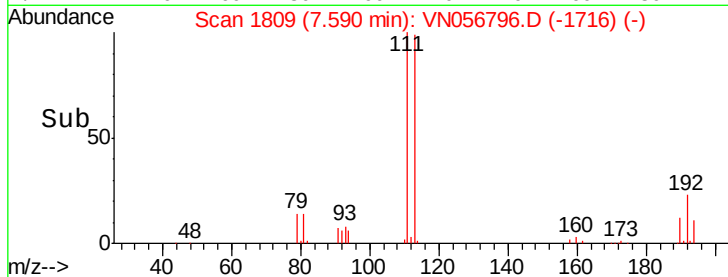
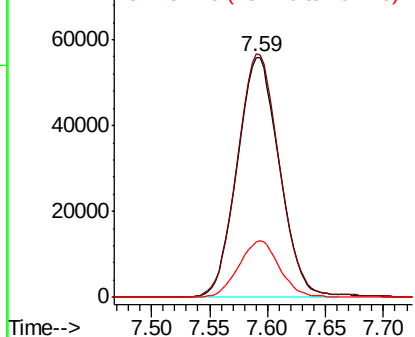
#35
 Dibromofluoromethane
 Concen: 47.471 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 141388
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.8 122.6
 192 22.7 17.5 26.3

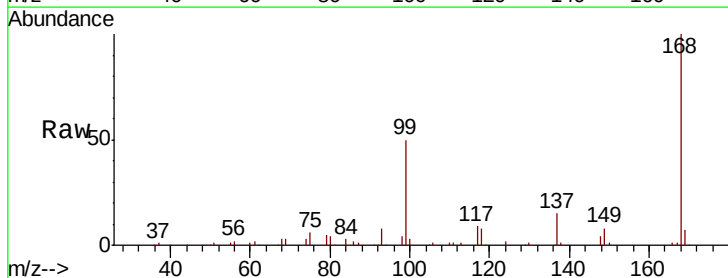


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

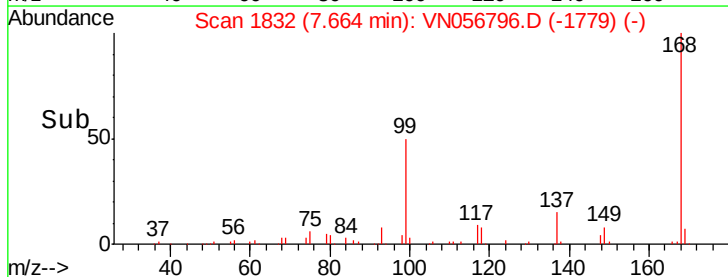
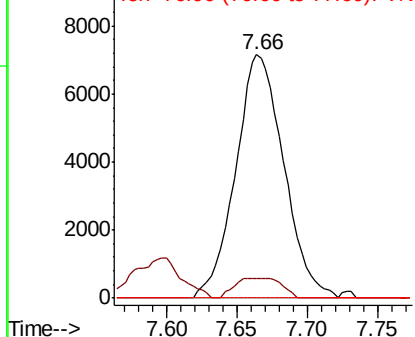


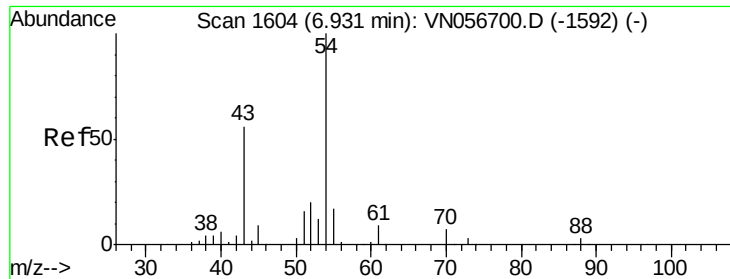
#36
 1,1-Dichloropropene
 Concen: 3.855 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

Tgt Ion: 75 Resp: 17072
 Ion Ratio Lower Upper
 75 100
 110 4.0 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

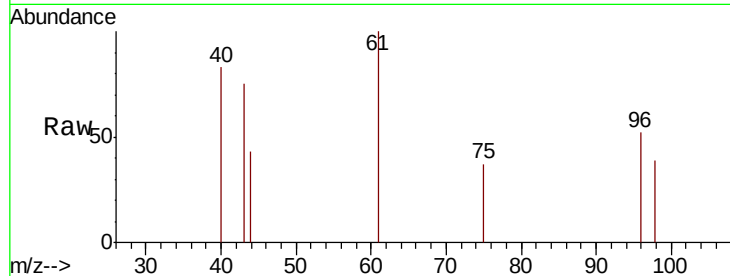




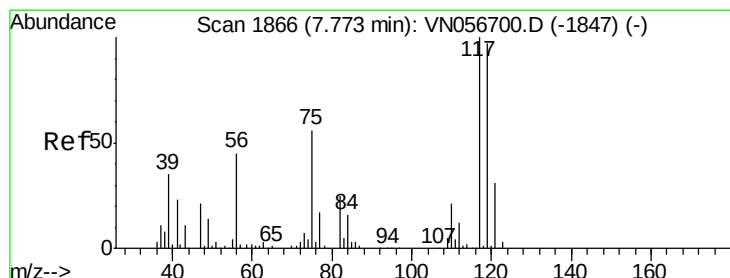
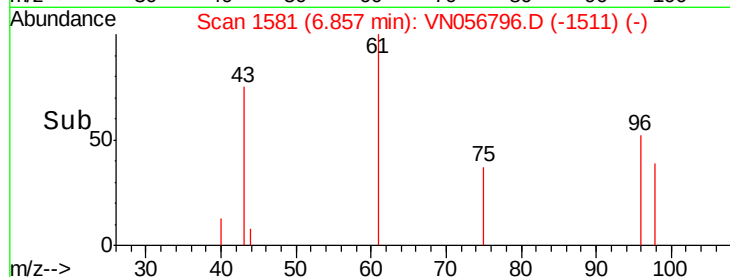
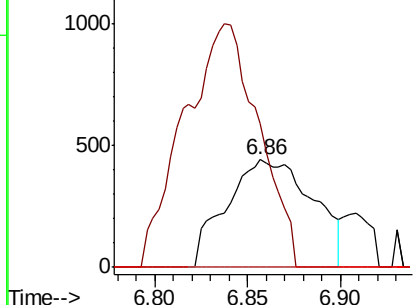
#37
Ethyl Acetate
Concen: 0.328 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. -0.07 min
Lab File: VN056796.D
Acq: 17 Jul 2019 14:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
61 195.5 11.3 16.9#
70 0.0 8.5 12.7#

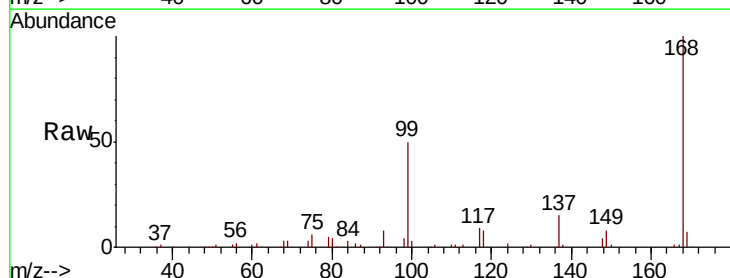


Abundance Ion 43.00 (42.70 to 43.70): VN056796.D
Ion 60.90 (60.60 to 61.60): VN056796.D
Ion 70.00 (69.70 to 70.70): VN056796.D

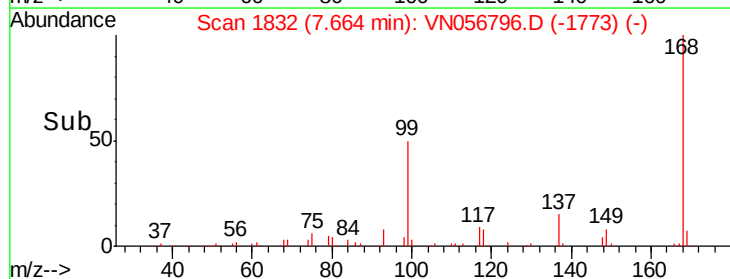
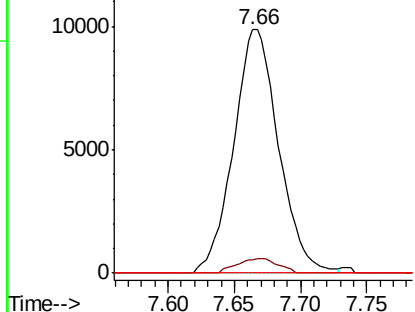


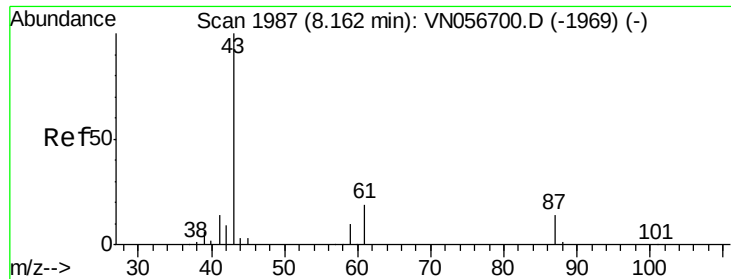
#38
Carbon Tetrachloride
Concen: 5.615 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056796.D
Acq: 17 Jul 2019 14:57

Tgt Ion: 117 Resp: 23319
Ion Ratio Lower Upper
117 100
119 5.5 77.5 116.3#
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN056796.D
Ion 118.80 (118.50 to 119.50): VN056796.D
Ion 120.80 (120.50 to 121.50): VN056796.D





#43

Isopropyl Acetate

Concen: 2.793 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN056796.D

Acq: 17 Jul 2019 14:57

Instrument :

MSVOA_N

ClientSampled :

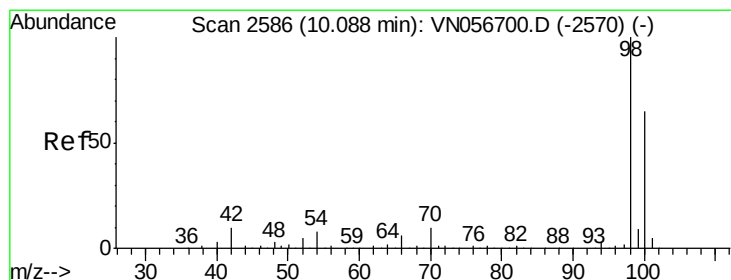
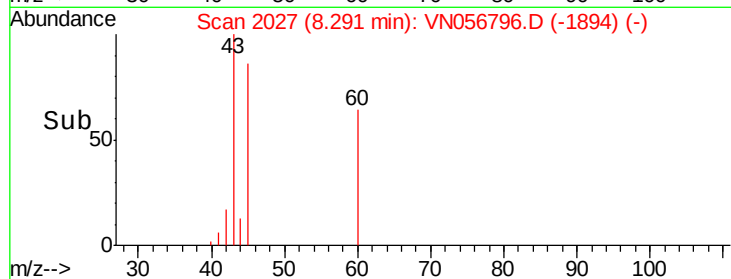
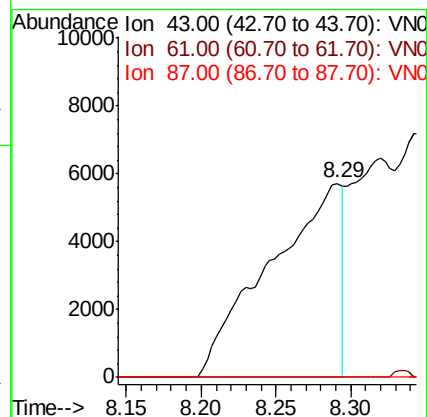
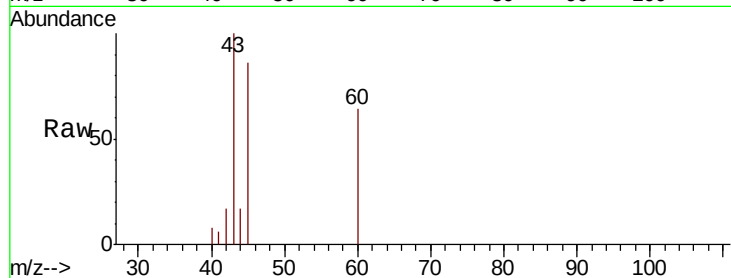
Tot Ion: 43 Resp: 19169

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

87 0.0 11.1 16.7#



#50

Toluene-d8

Concen: 52.712 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056796.D

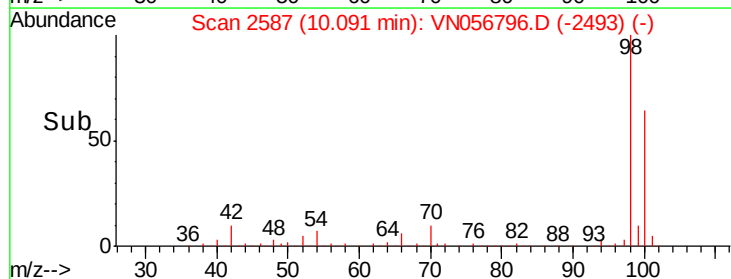
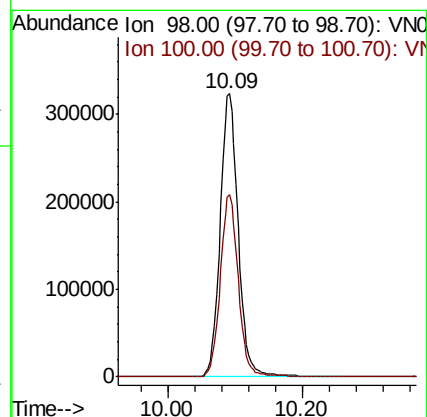
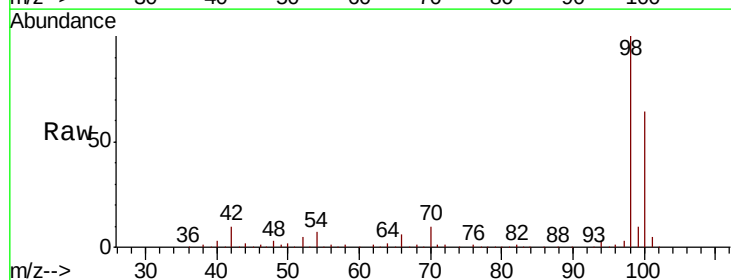
Acq: 17 Jul 2019 14:57

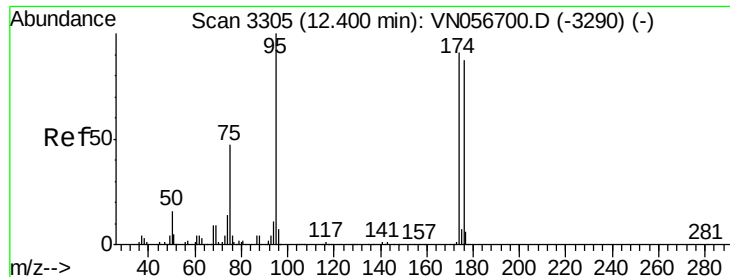
Tgt Ion: 98 Resp: 606363

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

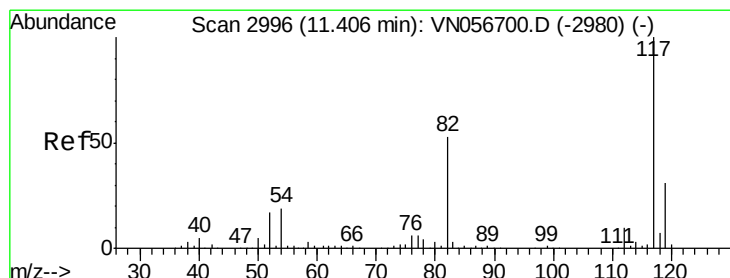
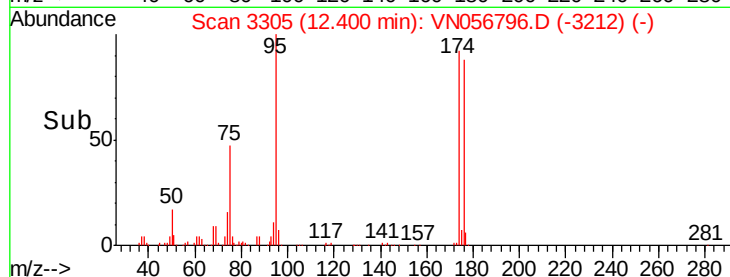
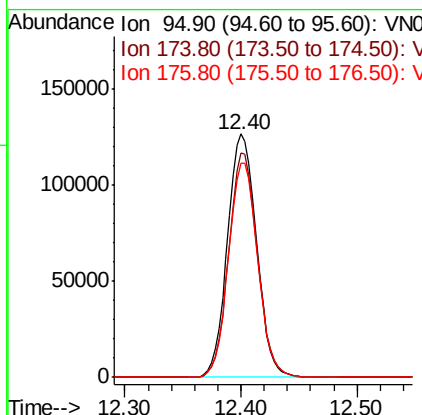
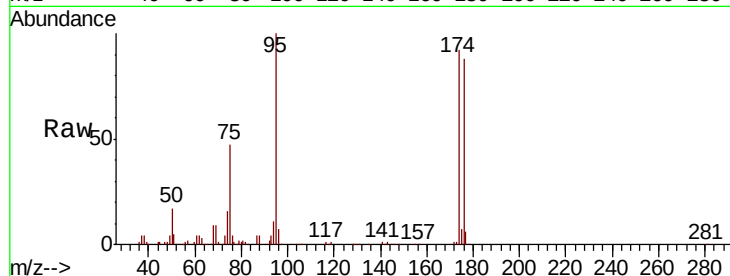




#62
4-Bromofluorobenzene
Concen: 56.509 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056796.D
Acq: 17 Jul 2019 14:57

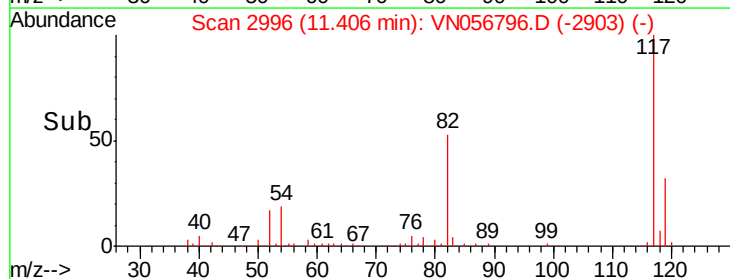
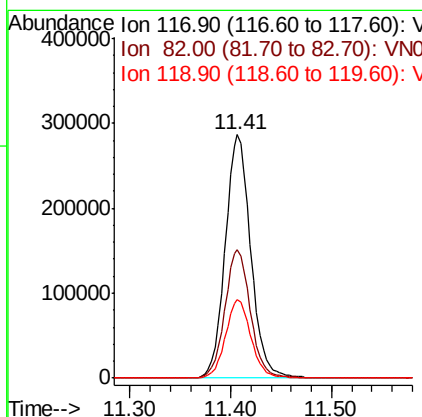
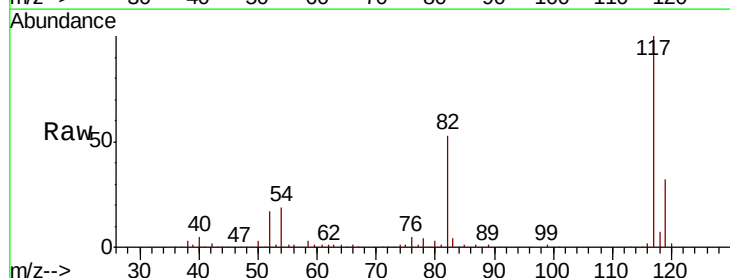
Instrument :
MSVOA_N
ClientSampleId :

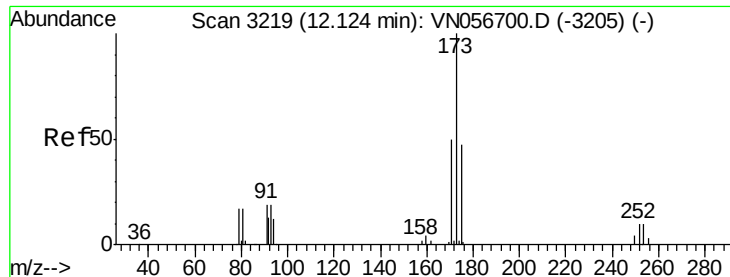
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	180.0
176	88.3	0.0	173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056796.D
Acq: 17 Jul 2019 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.2	63.2
119	32.3	25.2	37.8





#71

Bromoform

Concen: 0.623 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056796.D

Acq: 17 Jul 2019 14:57

Instrument :

MSVOA_N

ClientSampled :

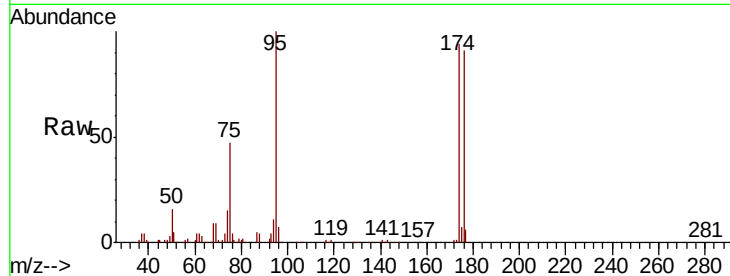
Tot Ion:173 Resp: 1805

Ion Ratio Lower Upper

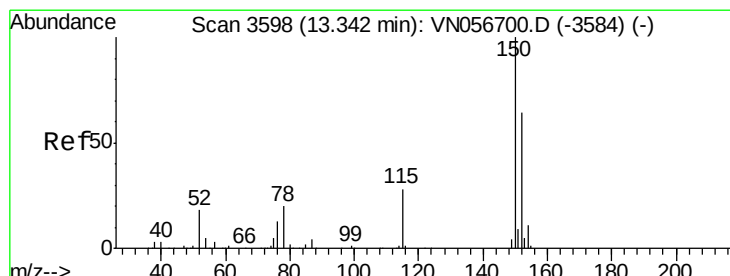
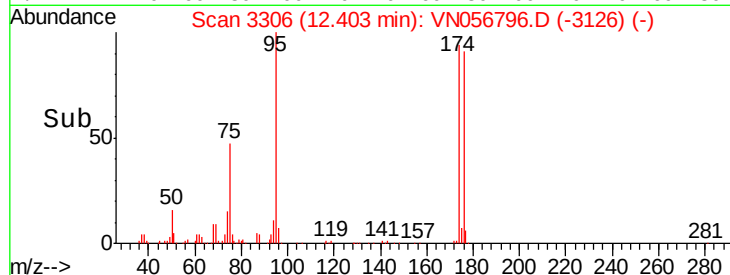
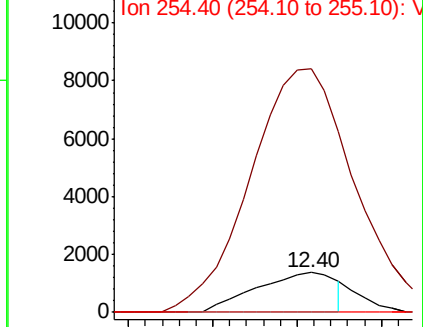
173 100

175 647.5 23.8 71.4#

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: VN056796.D

Acq: 17 Jul 2019 14:57

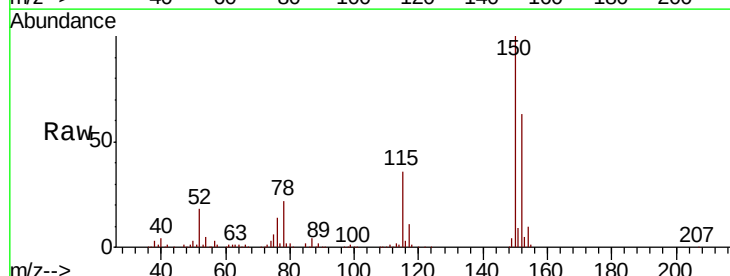
Tgt Ion:152 Resp: 182370

Ion Ratio Lower Upper

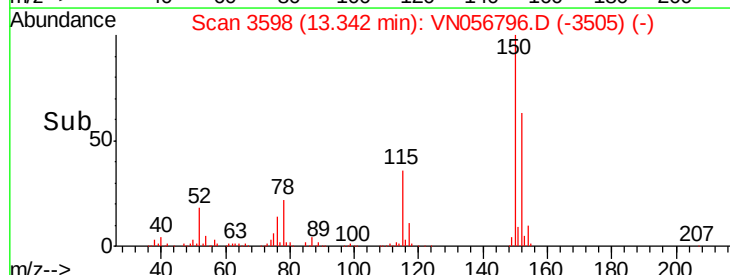
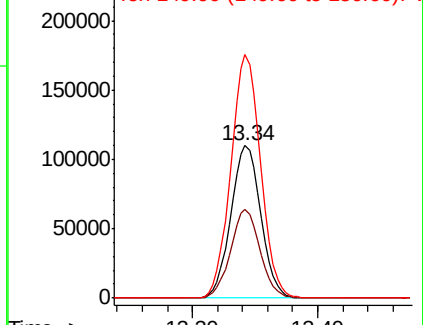
152 100

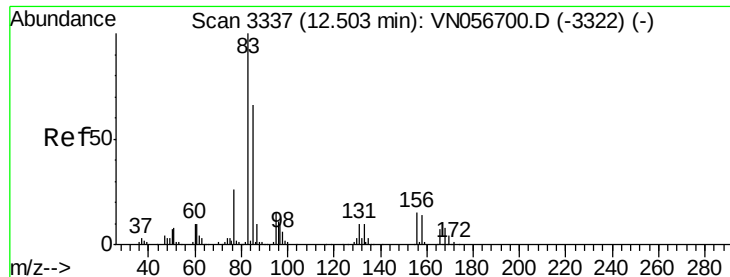
115 56.8 28.2 84.7

150 158.1 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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN056796.D

Acq: 17 Jul 2019 14:57

Instrument :

MSVOA_N

ClientSampled :

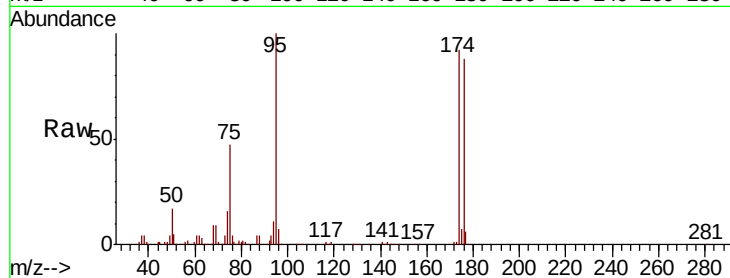
Tot Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 315.6 5.3 15.8#

85 0.0 32.6 97.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

250

200

150

100

50

0

12.39 12.40 12.41

12.40

12.40

12.40

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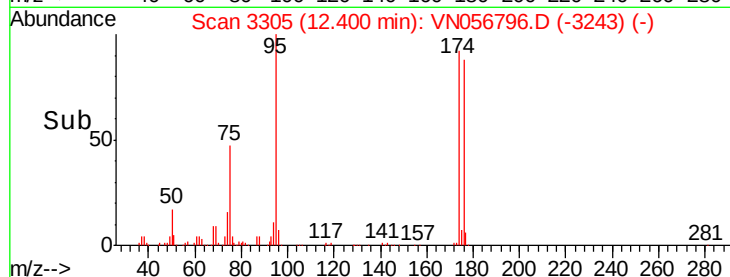
12.40

12.40

12.40

12.40

12.40



#76

1,2,3-Trichloropropane

Concen: 25.637 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056796.D

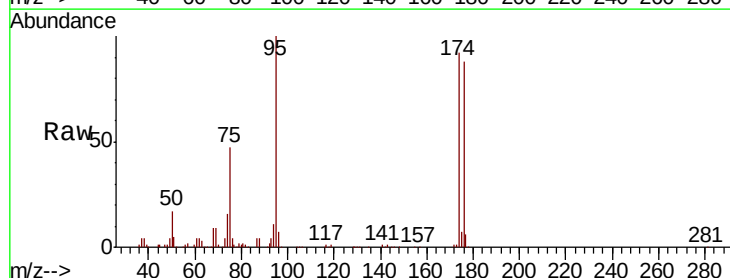
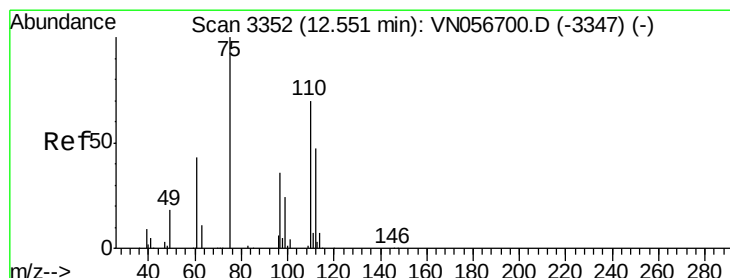
Acq: 17 Jul 2019 14:57

Tgt Ion: 75 Resp: 102257

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

40000

20000

0

12.35 12.40 12.45 12.50

12.40

12.40

12.40

12.40

12.40

12.40

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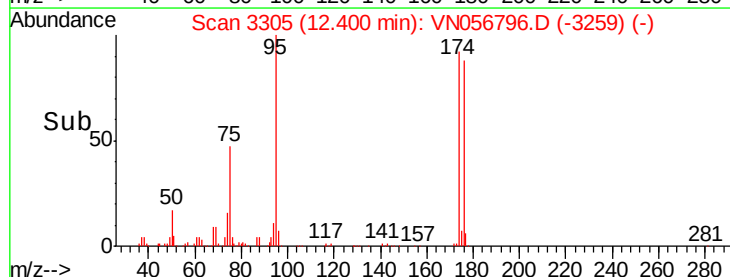
12.40

12.40

12.40

12.40

12.40



#76

1,2,3-Trichloropropane

Concen: 25.637 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056796.D

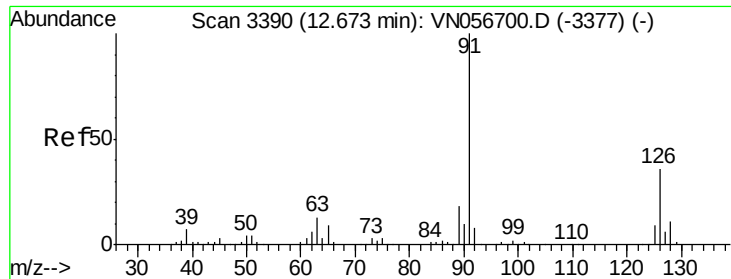
Acq: 17 Jul 2019 14:57

Tgt Ion: 75 Resp: 102257

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN056796.D

Acq: 17 Jul 2019 14:57

Instrument :

MSVOA_N

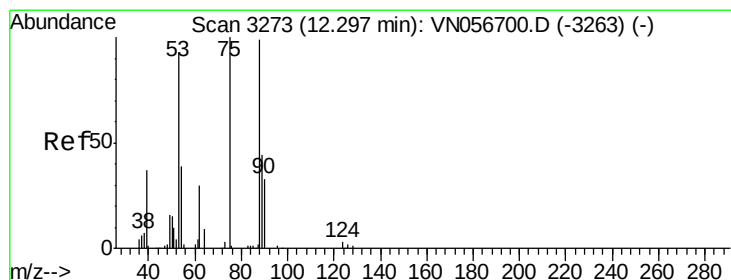
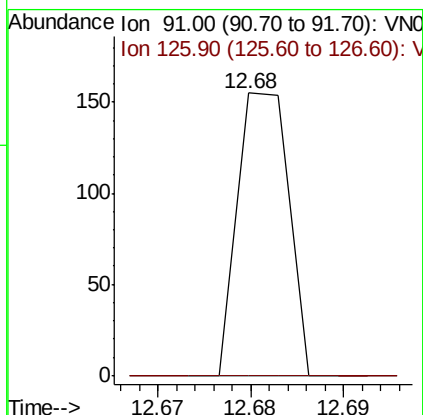
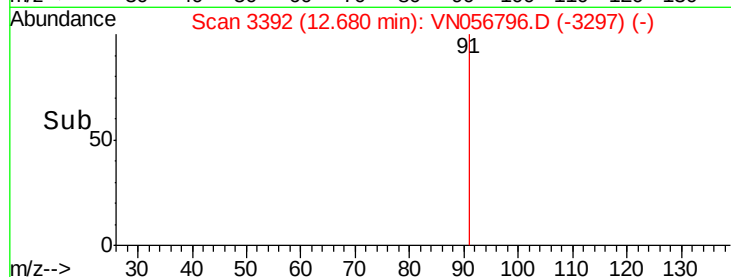
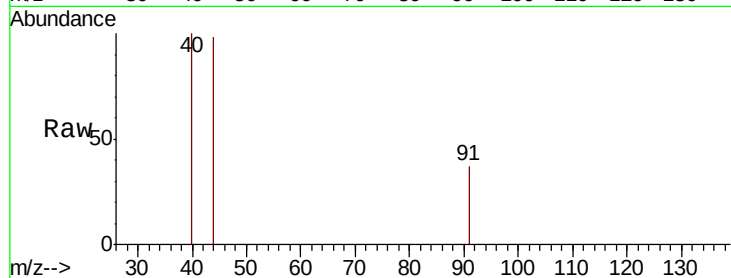
ClientSampleId :

Tot Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.174 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056796.D

Acq: 17 Jul 2019 14:57

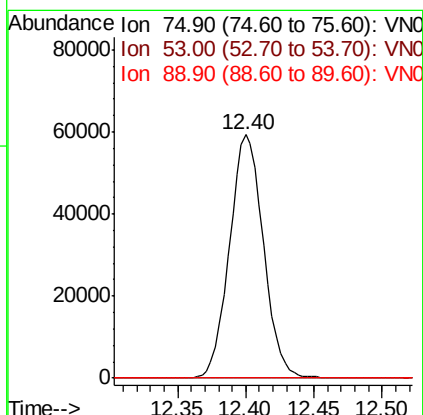
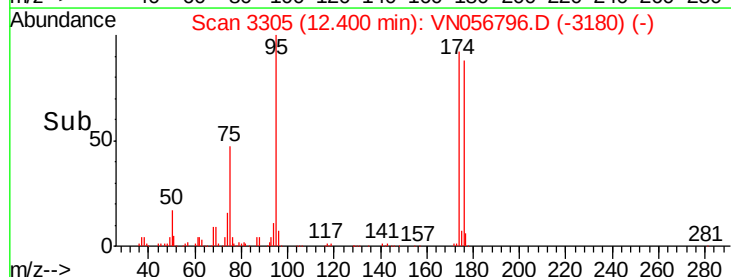
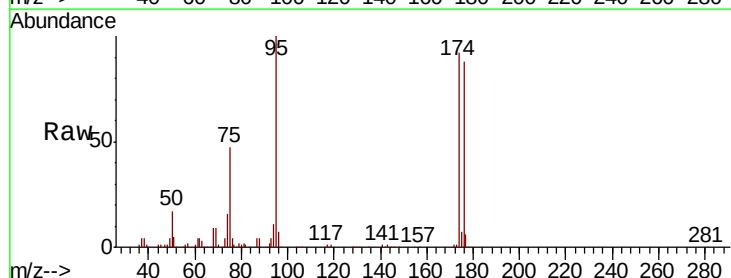
Tgt Ion: 75 Resp: 102257

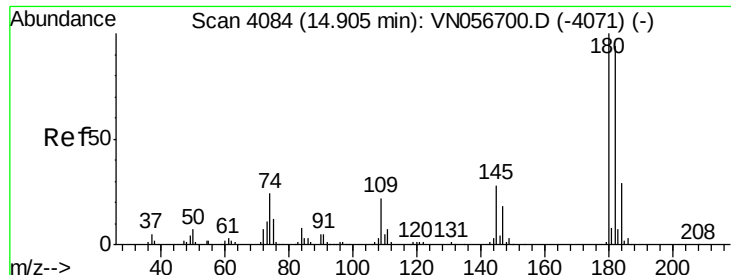
Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

89 0.0 36.2 54.2#

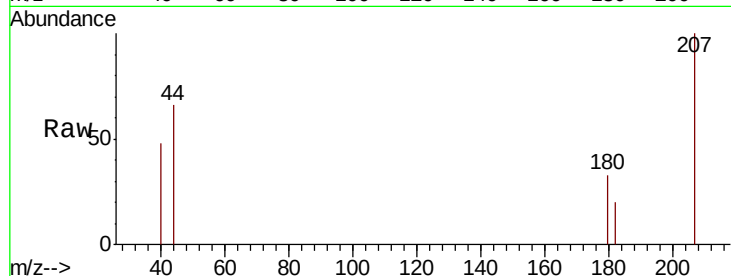




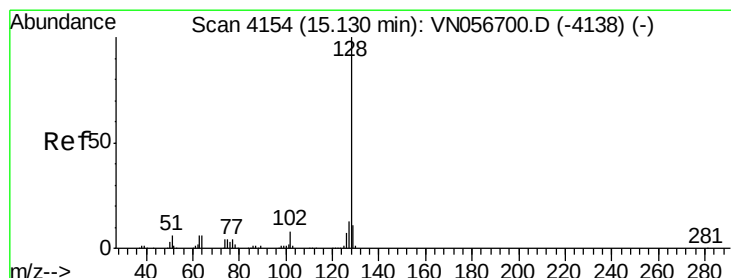
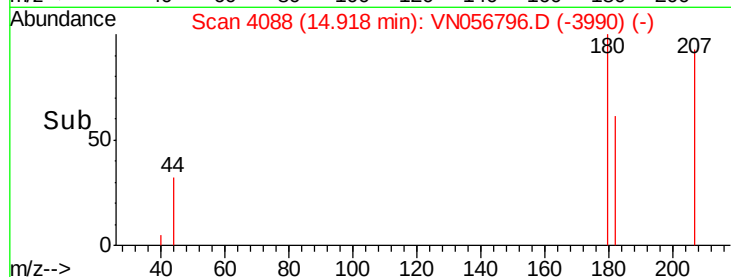
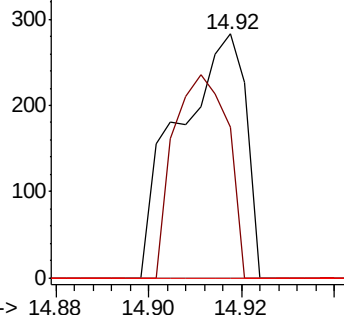
#93
 1,2,4-Trichlorobenzene
 Concen: 3.765 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 285
 Ion Ratio Lower Upper
 180 100
 182 67.4 47.2 141.6
 145 0.0 14.2 42.8#

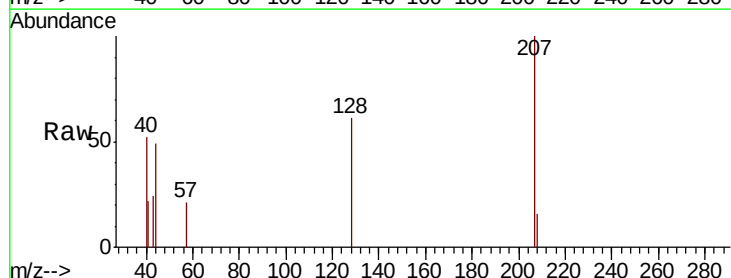


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

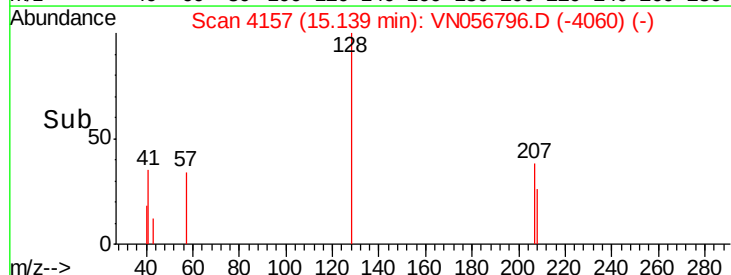
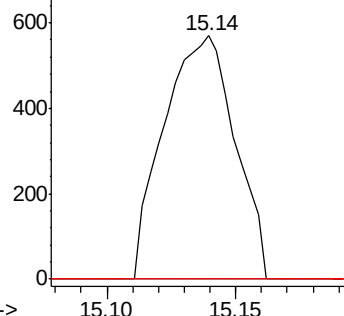


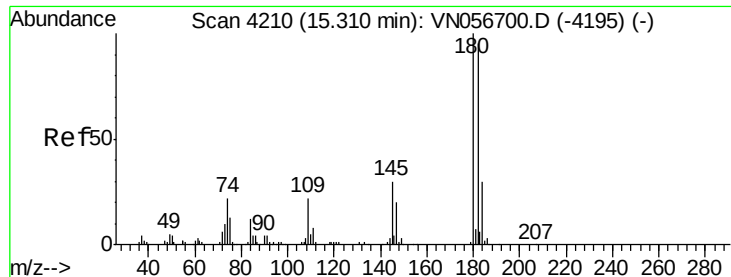
#95
 Naphthalene
 Concen: 4.628 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

Tgt Ion:128 Resp: 1096
 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

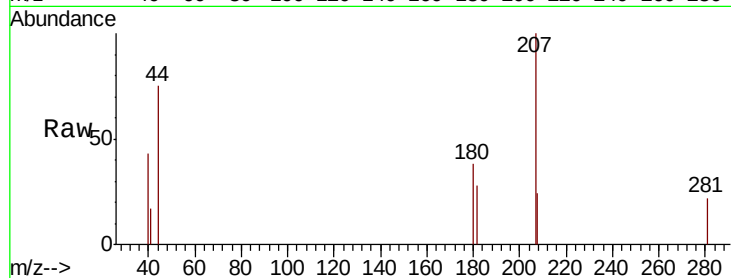




#96
 1,2,3-Trichlorobenzene
 Concen: 3.461 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056796.D
 Acq: 17 Jul 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 524
 Ion Ratio Lower Upper
 180 100
 182 67.7 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

