

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056791.D
 Acq On : 17 Jul 2019 13:01
 Operator : JC/SP
 Sample : K3847-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 18 01:05:18 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	249443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	445928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166976	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	146704	53.17	ug/l	0.00
Spiked Amount						
			Recovery	=	106.34%	
35) Dibromofluoromethane	7.59	113	134844	48.59	ug/l	0.00
Spiked Amount						
			Recovery	=	97.18%	
50) Toluene-d8	10.09	98	562330	52.47	ug/l	0.00
Spiked Amount						
			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	202793	56.11	ug/l	0.00
Spiked Amount						
			Recovery	=	112.22%	

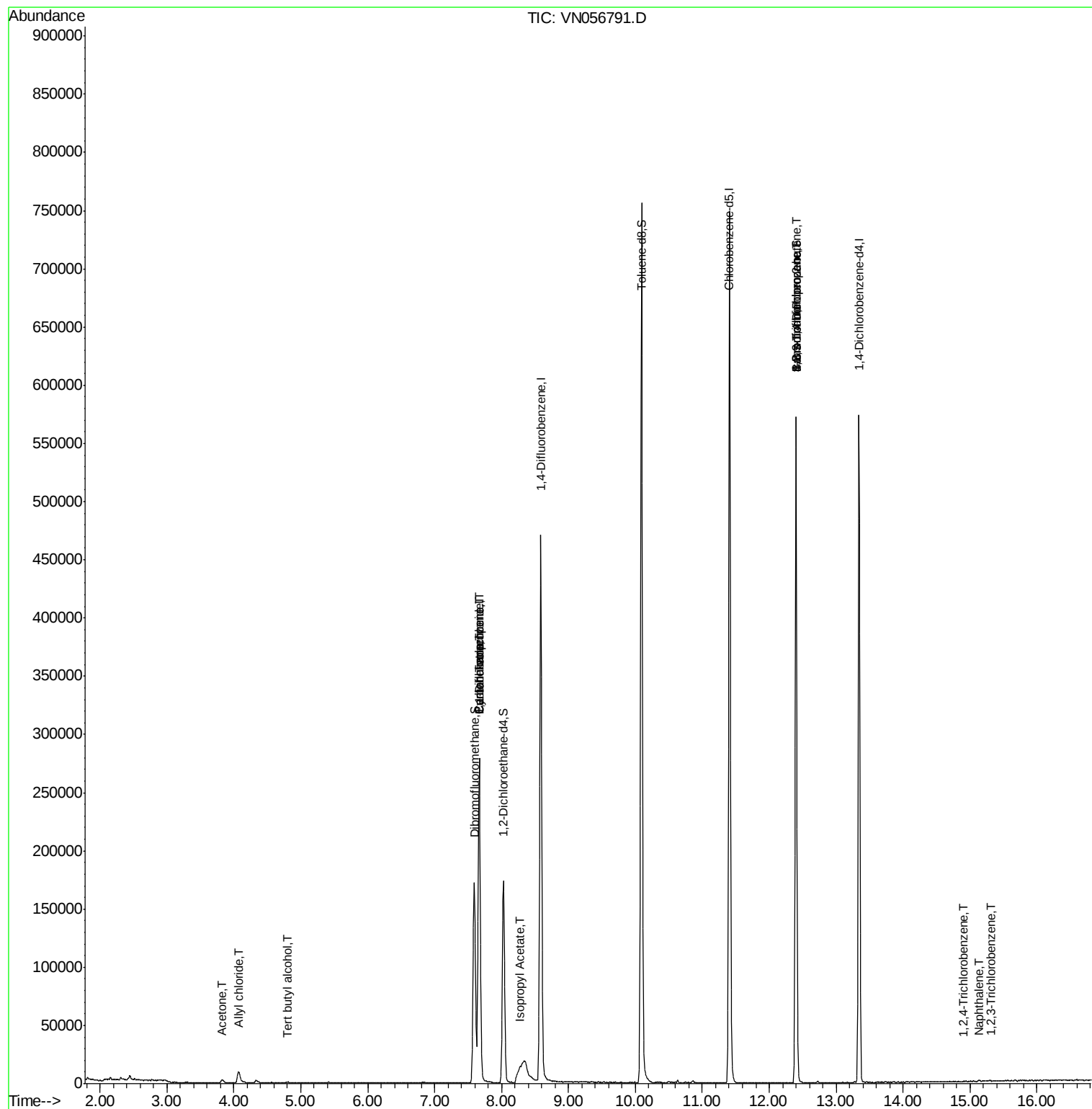
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.80	59	687	1.496	ug/l #	73
14) Allyl chloride	4.08	41	1636	0.403	ug/l #	76
16) Acetone	3.83	43	5131	4.035	ug/l #	80
18) Methyl Acetate	4.33	43	2119	Below Cal	#	80
31) Cyclohexane	7.67	56	4020	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	15746	3.816	ug/l #	48
38) Carbon Tetrachloride	7.66	117	21978	5.679	ug/l #	16
43) Isopropyl Acetate	8.28	43	15152	2.370	ug/l #	53
71) Bromoform	12.40	173	1460	0.545	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	93476	25.596	ug/l #	100
79) 2-Chlorotoluene	12.59	91	151	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	93476	79.048	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	227	3.756	ug/l #	84
95) Naphthalene	15.13	128	1141	4.642	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	386	3.434	ug/l #	69

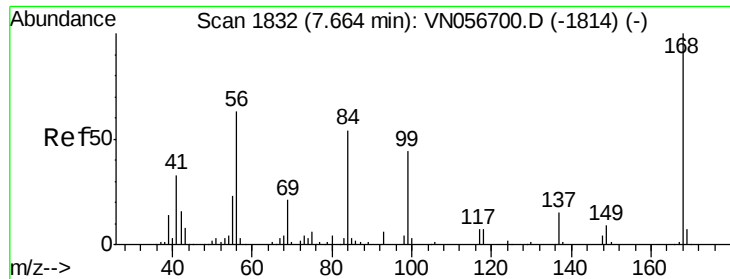
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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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: VN056791.D

Acq: 17 Jul 2019 13:01

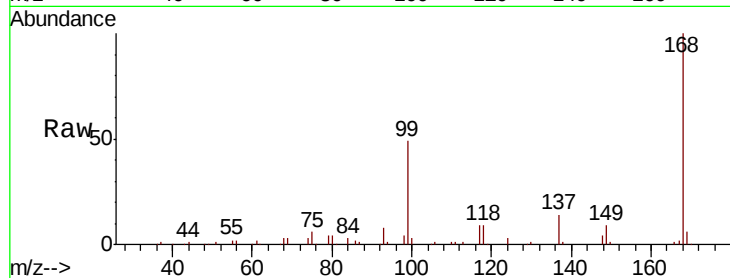
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 249443

Ion Ratio Lower Upper

168 100

99 48.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

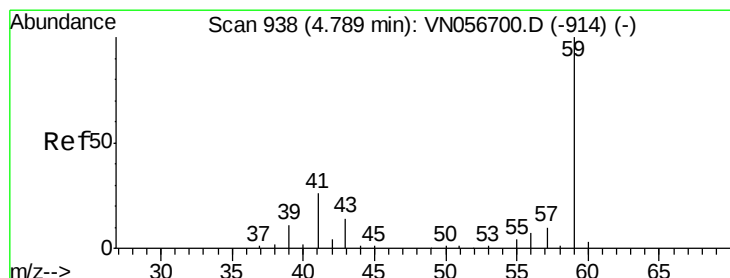
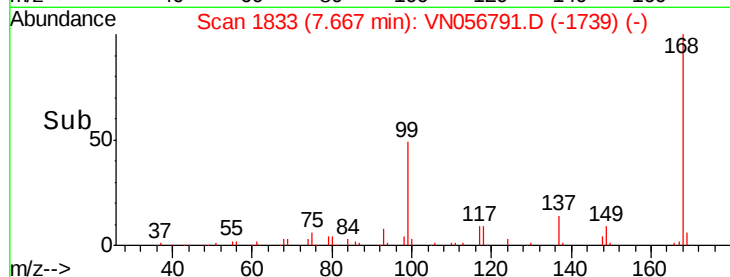
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#11

Tert butyl alcohol

Concen: 1.496 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.01 min

Lab File: VN056791.D

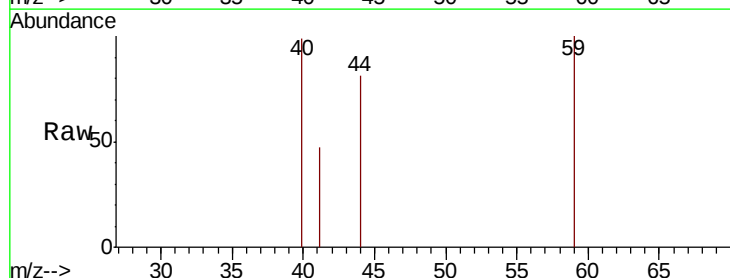
Acq: 17 Jul 2019 13:01

Tgt Ion: 59 Resp: 687

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.80

500

400

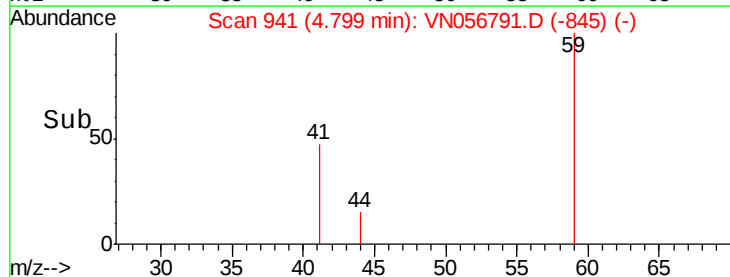
300

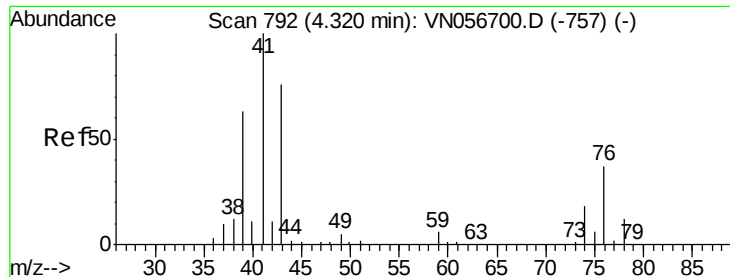
200

100

0

Time--> 4.78 4.80 4.82 4.84

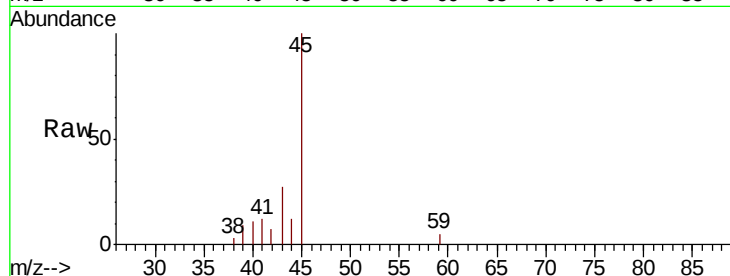




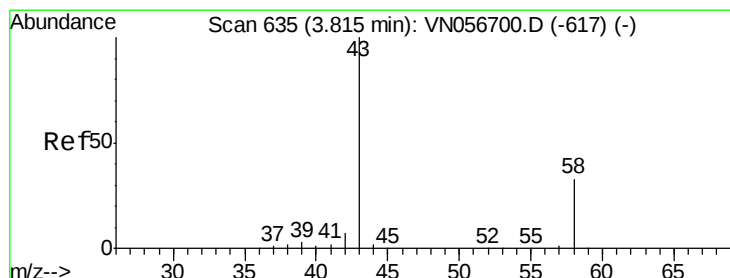
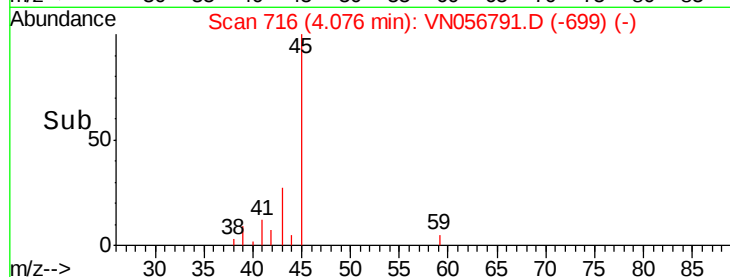
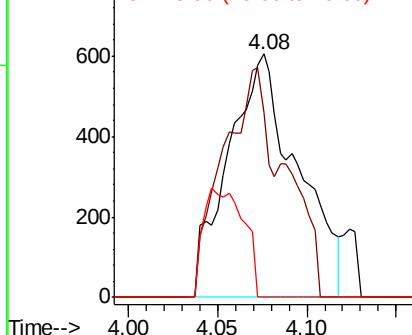
#14
Allvl chloride
Concen: 0.403 ug/l
RT: 4.08 min Scan# 716
Delta R.T. -0.24 min
Lab File: VN056791.D
Acq: 17 Jul 2019 13:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 1636
Ion Ratio Lower Upper
41 100
39 61.9 46.9 70.3
76 0.0 26.5 39.7#

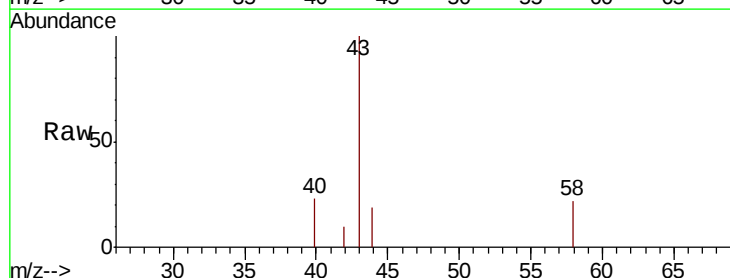


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

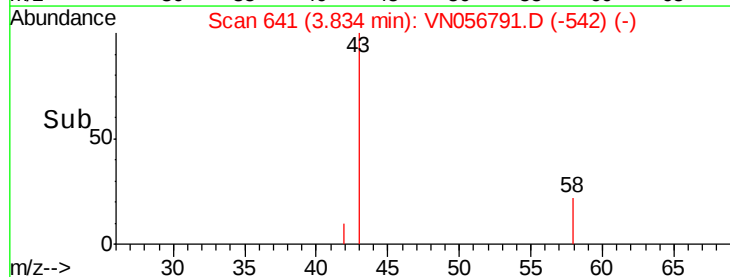
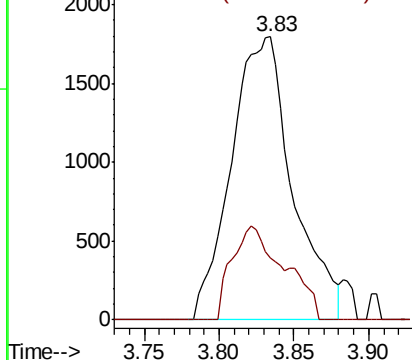


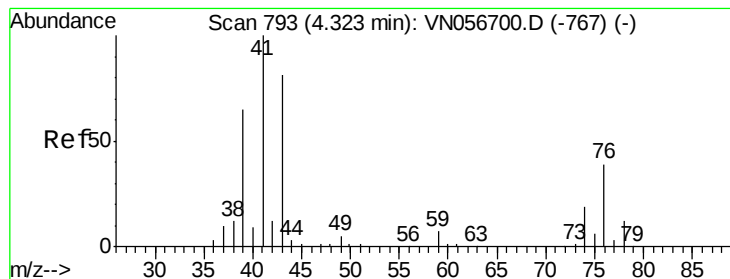
#16
Acetone
Concen: 4.035 ug/l
RT: 3.83 min Scan# 641
Delta R.T. 0.02 min
Lab File: VN056791.D
Acq: 17 Jul 2019 13:01

Tgt Ion: 43 Resp: 5131
Ion Ratio Lower Upper
43 100
58 21.8 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056791.D

Acq: 17 Jul 2019 13:01

Instrument :

MSVOA_N

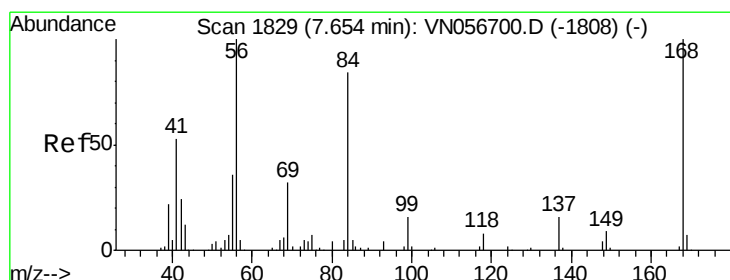
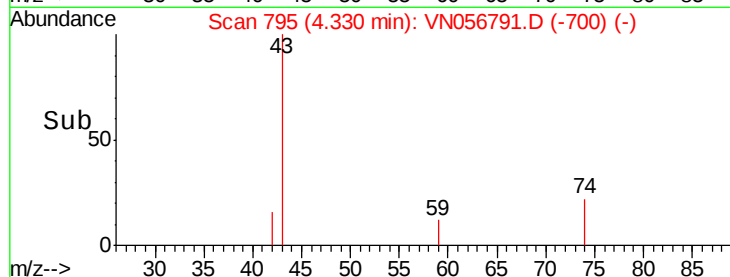
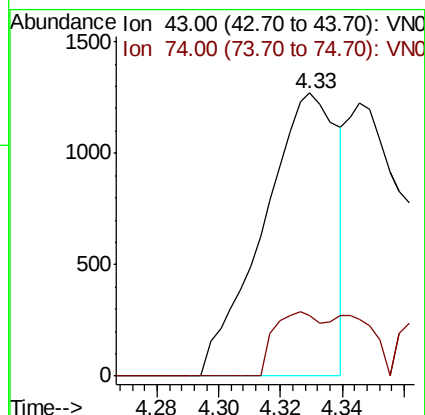
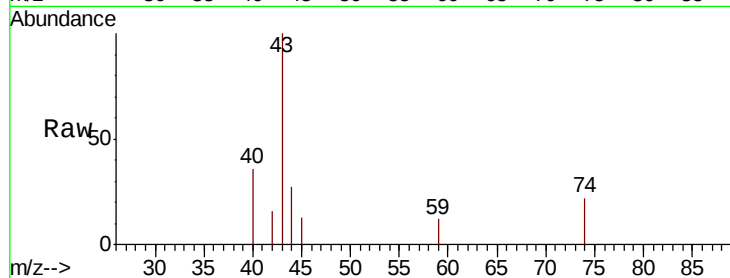
ClientSampled :

Tot Ion: 43 Resp: 2119

Ion Ratio Lower Upper

43 100

74 13.8 18.9 28.3#



#31

Cyclohexane

Concen: 0.911 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN056791.D

Acq: 17 Jul 2019 13:01

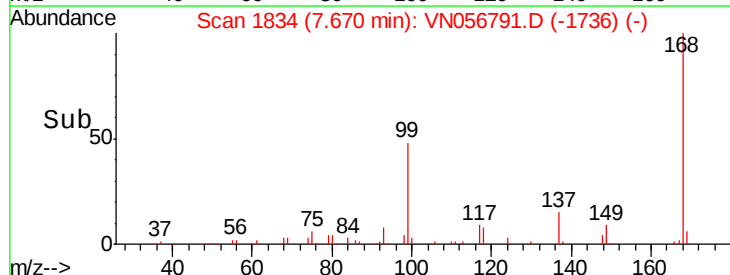
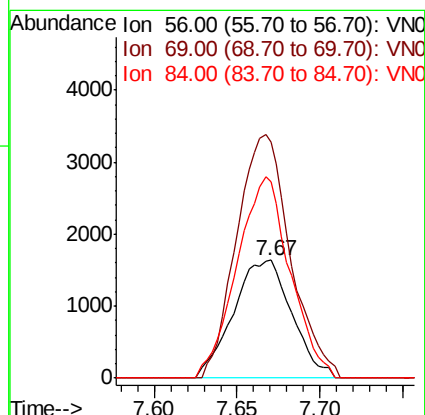
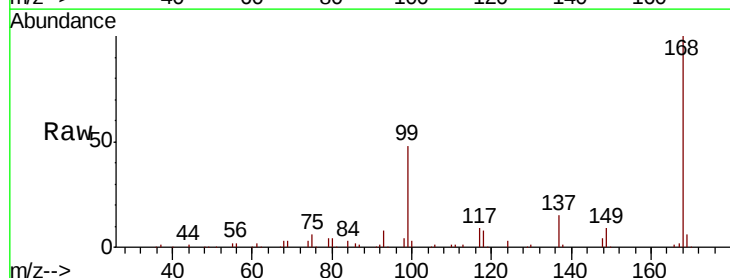
Tgt Ion: 56 Resp: 4020

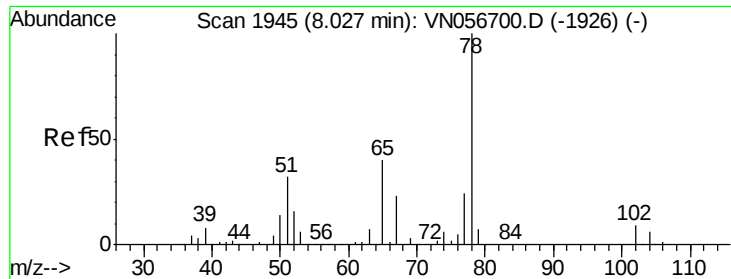
Ion Ratio Lower Upper

56 100

69 199.8 25.8 38.8#

84 166.4 67.4 101.0#

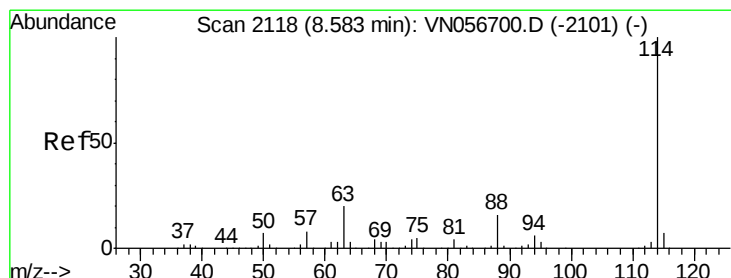
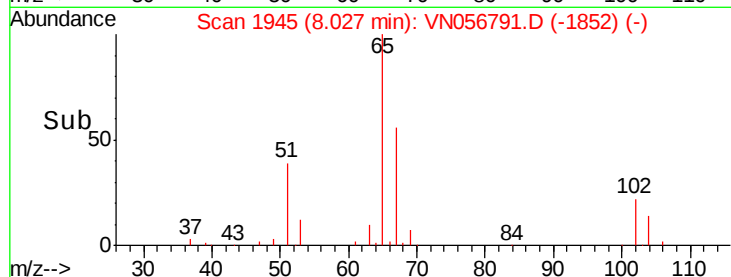
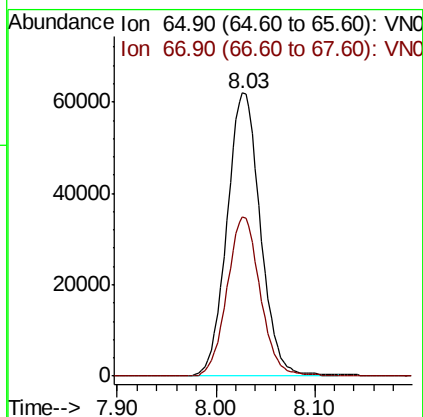
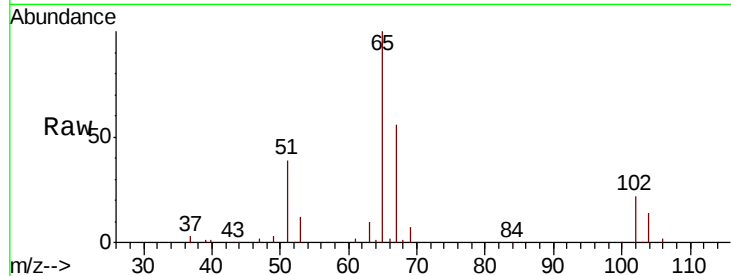




#33
 1,2-Dichloroethane-d4
 Concen: 53.169 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056791.D
 Acq: 17 Jul 2019 13:01

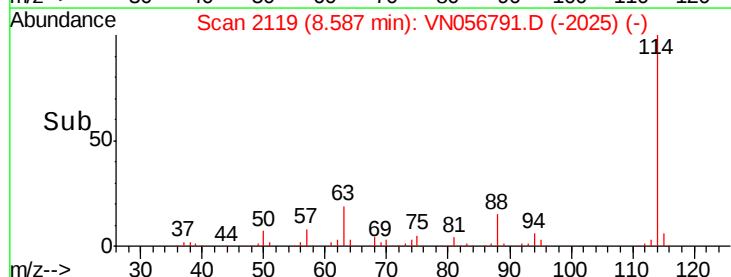
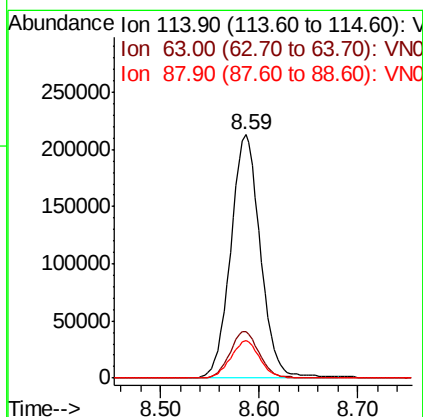
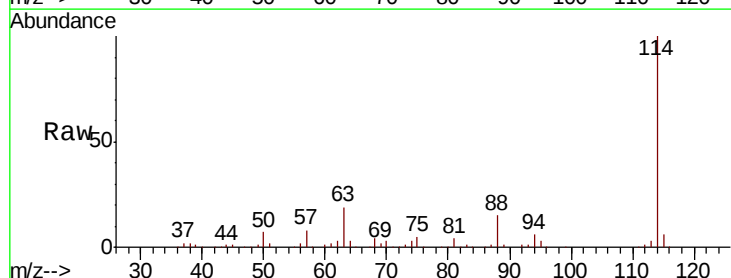
Instrument :
 MSVOA_N
 ClientSampleId :

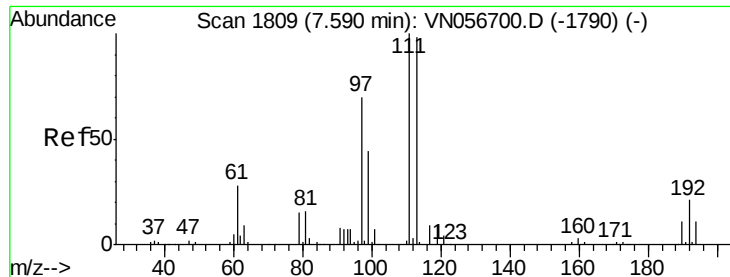
Tot Ion: 65 Resp: 146704
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056791.D
 Acq: 17 Jul 2019 13:01

Tgt Ion: 114 Resp: 445928
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.4
 88 15.3 0.0 31.2

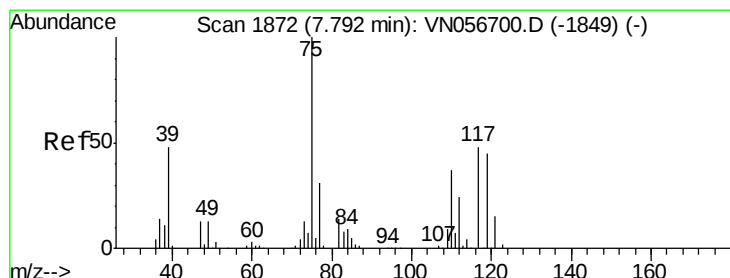
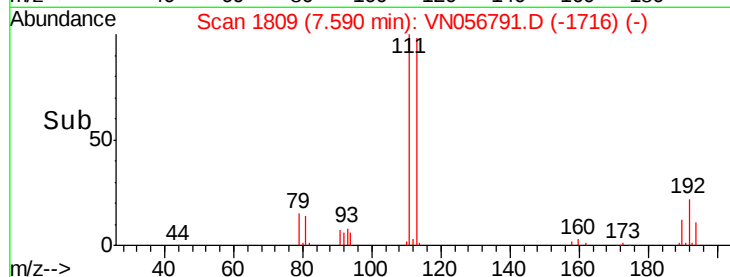
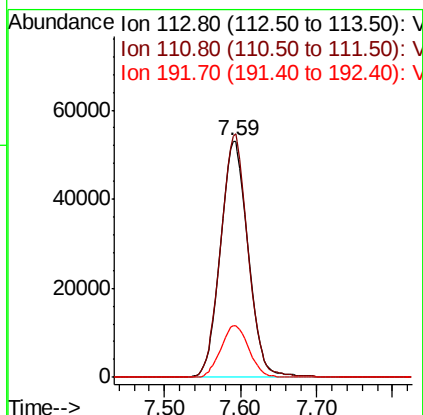
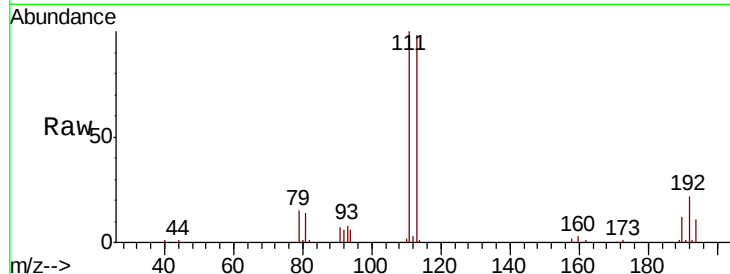




#35
 Dibromofluoromethane
 Concen: 48.591 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056791.D
 Acq: 17 Jul 2019 13:01

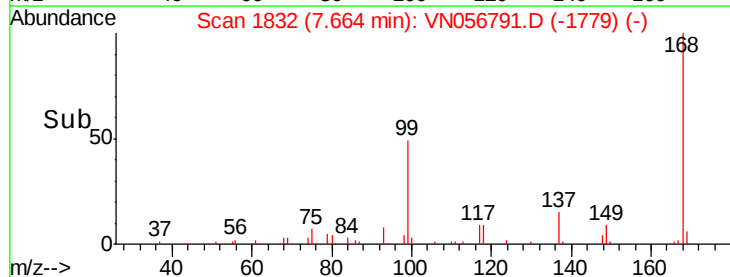
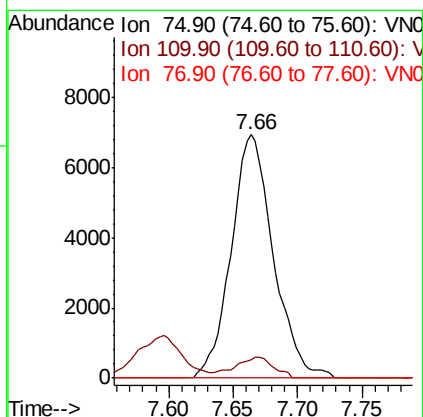
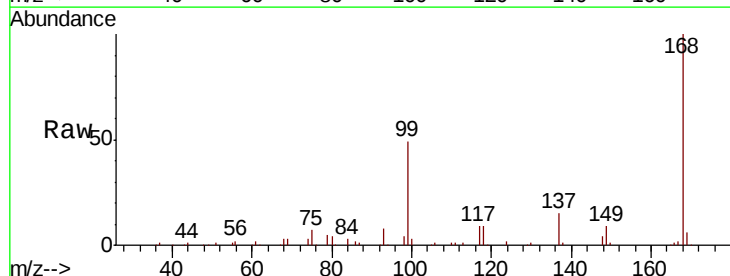
Instrument :
 MSVOA_N
 ClientSampleId :

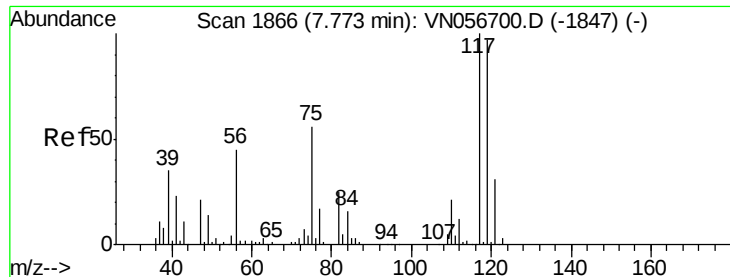
Tot Ion:113 Resp: 134844
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.8 122.6
 192 22.0 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 3.816 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056791.D
 Acq: 17 Jul 2019 13:01

Tgt Ion: 75 Resp: 15746
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.4 55.4#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.679 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056791.D

Acq: 17 Jul 2019 13:01

Instrument :

MSVOA_N

ClientSampled :

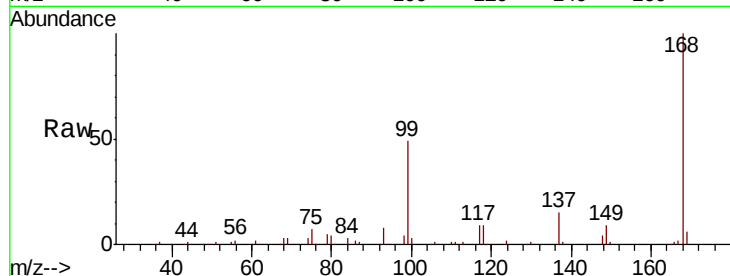
Tot Ion:117 Resp: 21978

Ion Ratio Lower Upper

117 100

119 5.4 77.5 116.3#

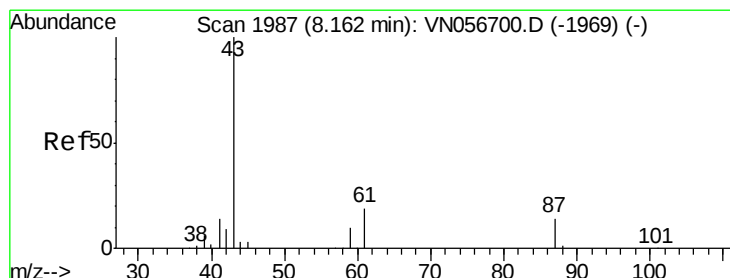
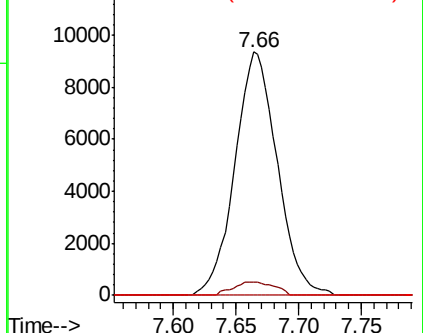
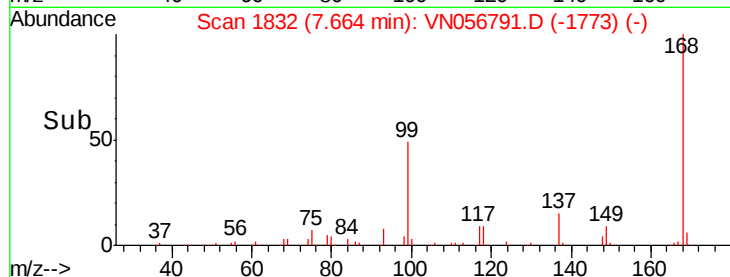
121 0.0 24.7 37.1#



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: 2.370 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN056791.D

Acq: 17 Jul 2019 13:01

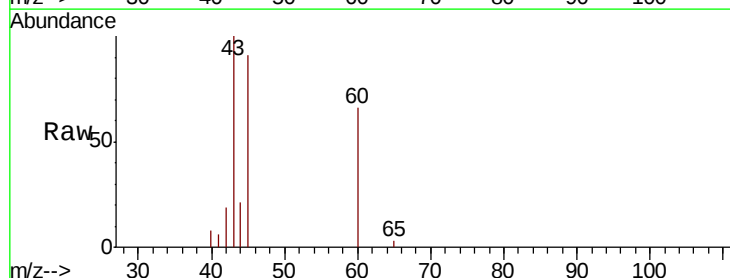
Tgt Ion: 43 Resp: 15152

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

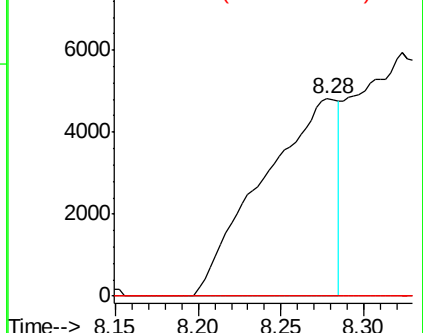
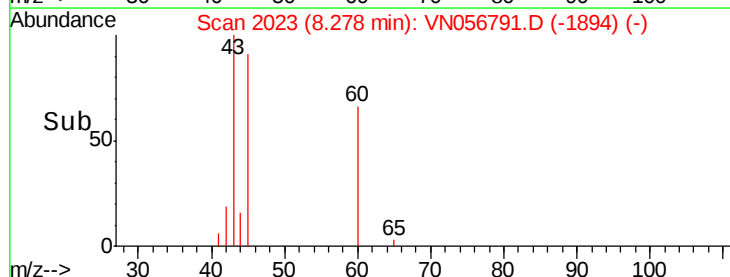
87 0.0 11.1 16.7#

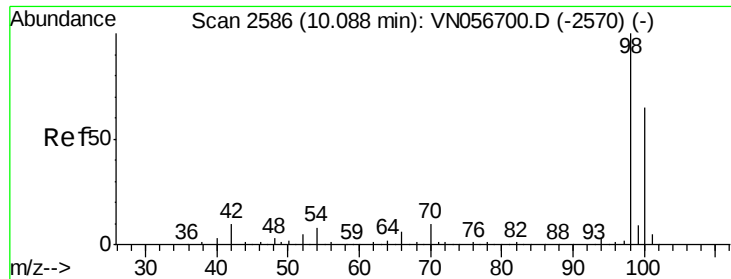


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.465 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056791.D

Acq: 17 Jul 2019 13:01

Instrument :

MSVOA_N

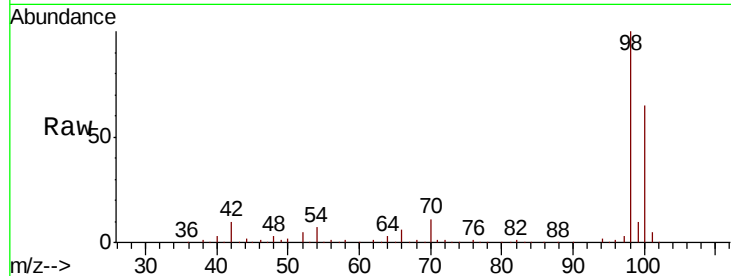
ClientSampled :

Tot Ion: 98 Resp: 562330

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

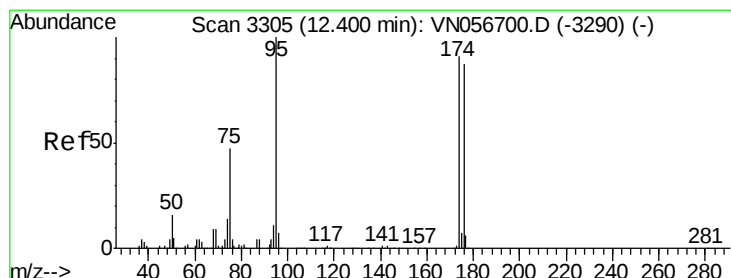
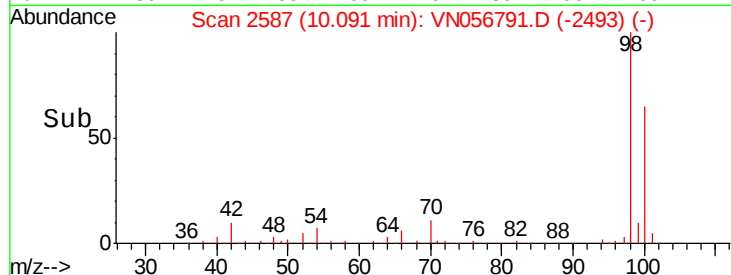
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.105 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056791.D

Acq: 17 Jul 2019 13:01

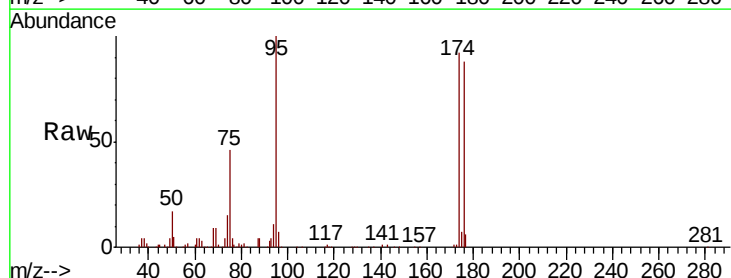
Tgt Ion: 95 Resp: 202793

Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.0

176 88.1 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

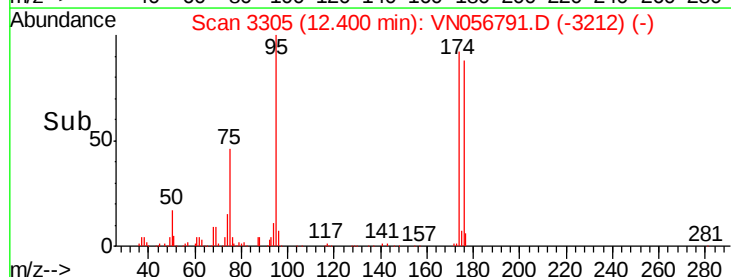
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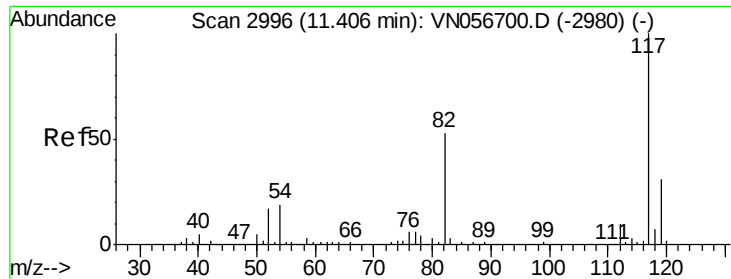
100000

50000

0

Time-->

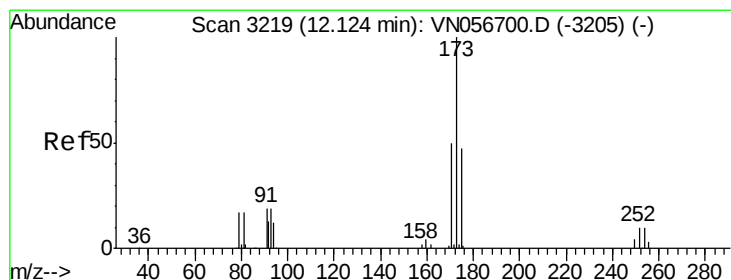
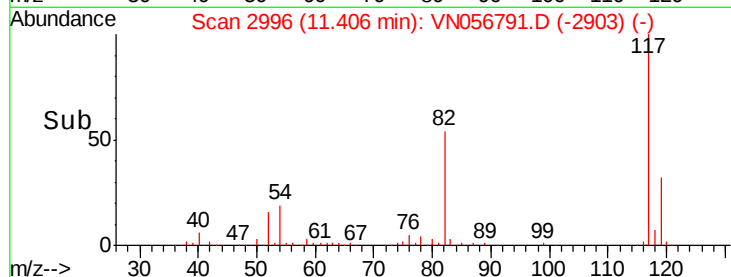
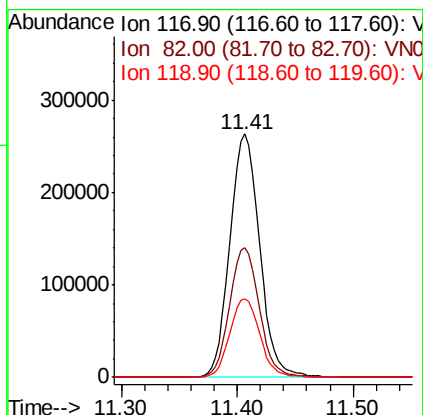
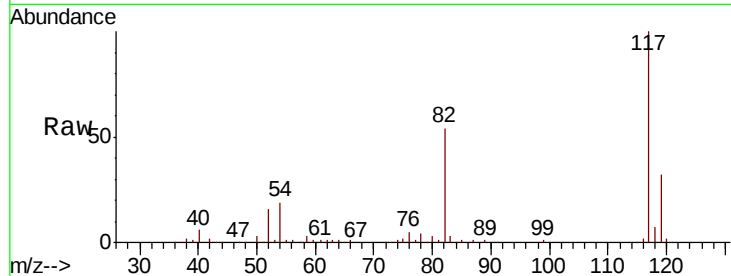




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056791.D
Acq: 17 Jul 2019 13:01

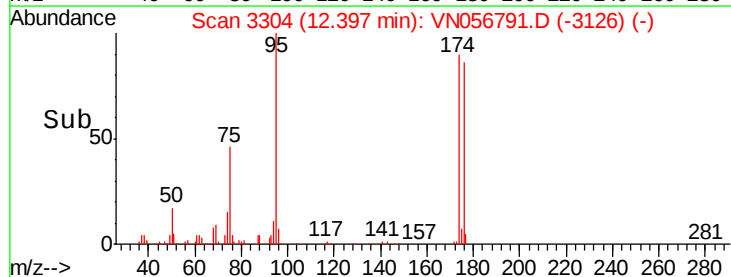
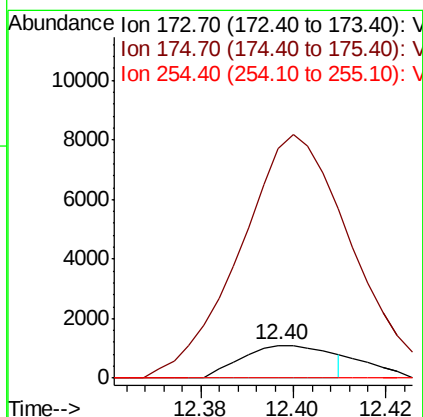
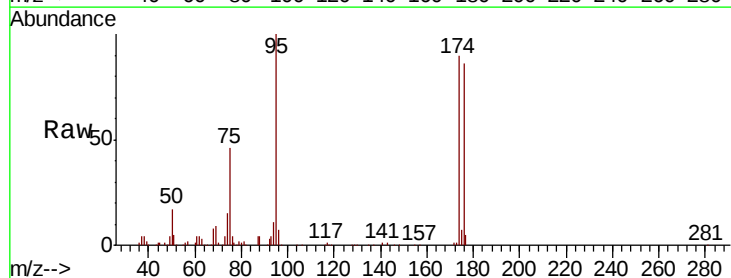
Instrument :
MSVOA_N
ClientSampleId :

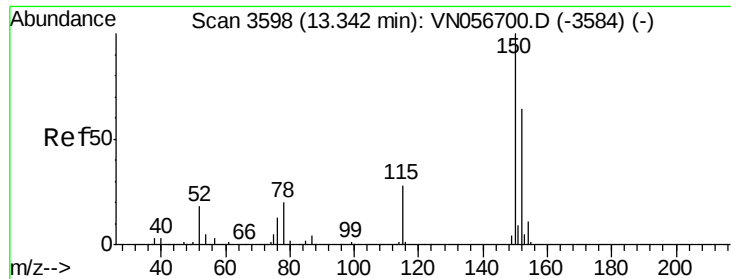
Tot Ion:117 Resp: 467933
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.2
119 32.5 25.2 37.8



#71
Bromoform
Concen: 0.545 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN056791.D
Acq: 17 Jul 2019 13:01

Tgt Ion:173 Resp: 1460
Ion Ratio Lower Upper
173 100
175 766.4 23.8 71.4#
254 0.0 0.0 0.0



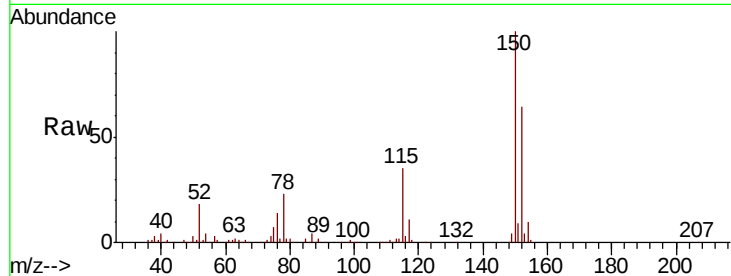


#72

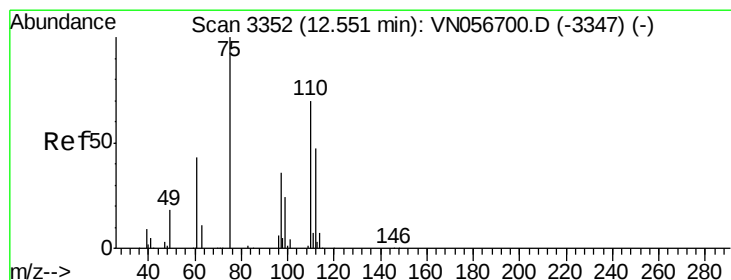
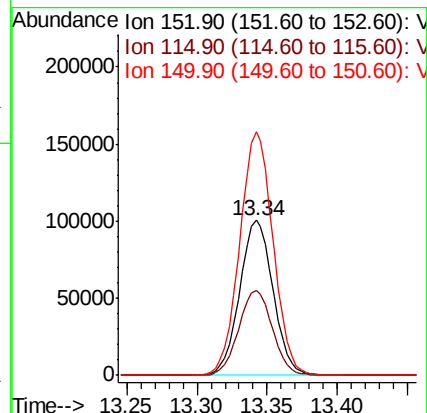
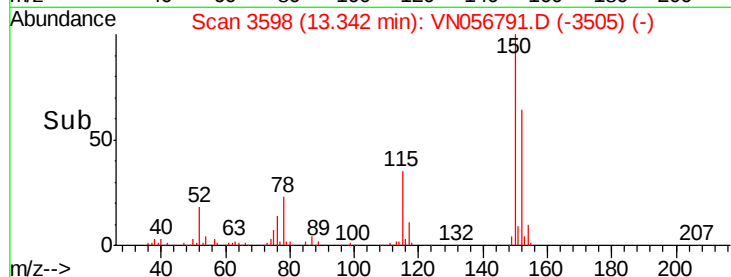
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056791.D
Acq: 17 Jul 2019 13:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 166976
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 157.1 0.0 345.8



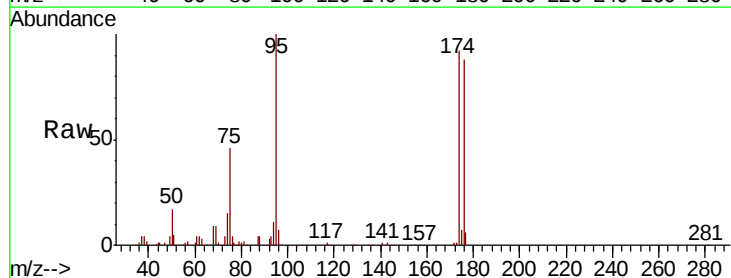
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



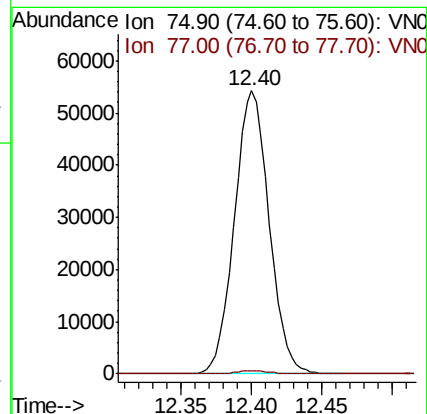
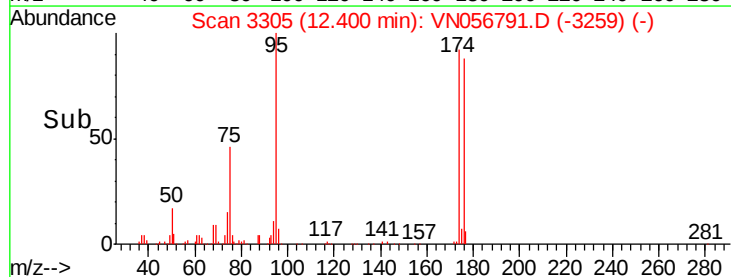
#76

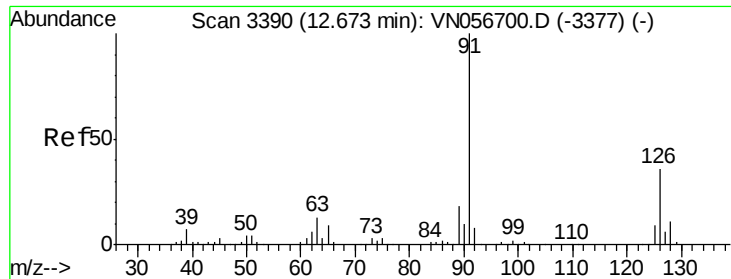
1,2,3-Trichloropropane
Concen: 25.596 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN056791.D
Acq: 17 Jul 2019 13:01

Tgt Ion: 75 Resp: 93476
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

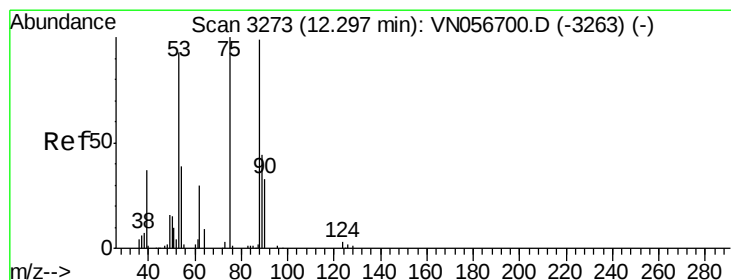
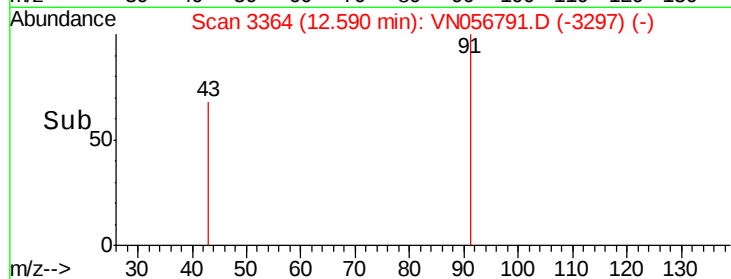
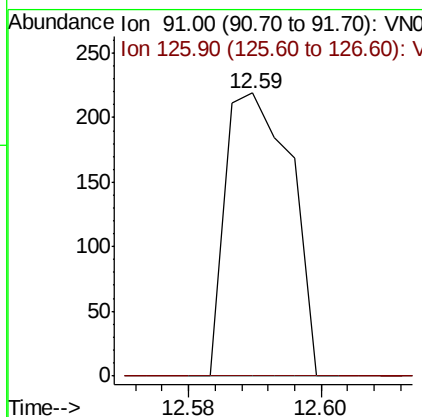
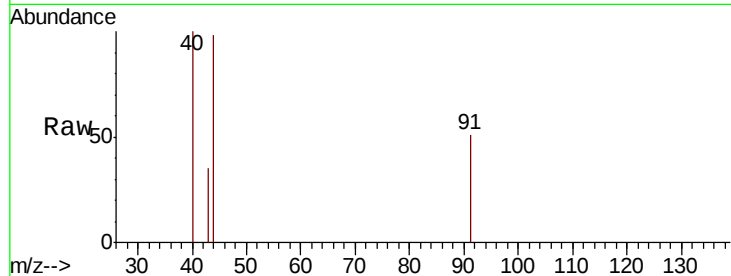




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.08 min
 Lab File: VN056791.D
 Acq: 17 Jul 2019 13:01

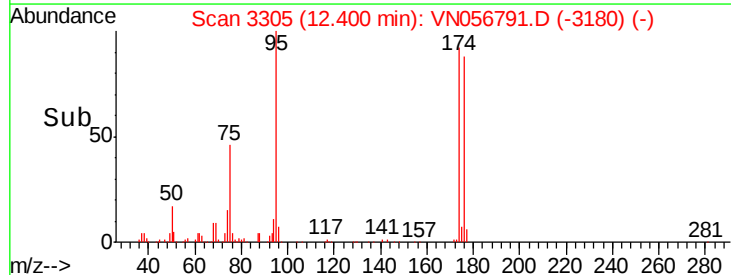
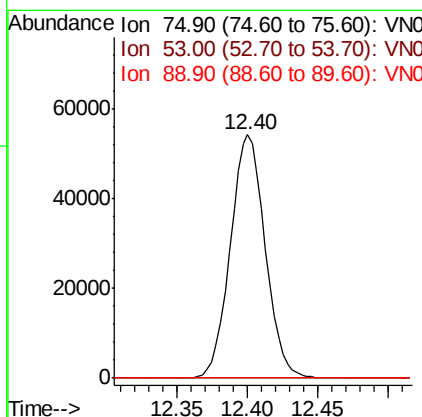
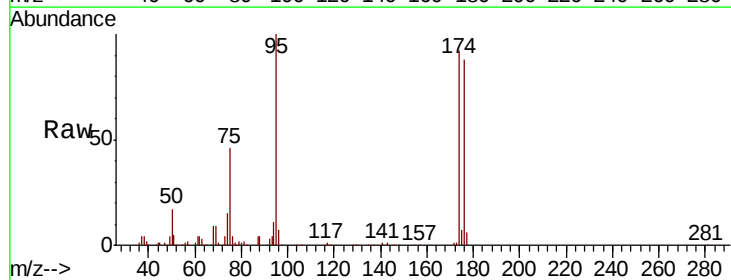
Instrument :
 MSVOA_N
 ClientSampled :

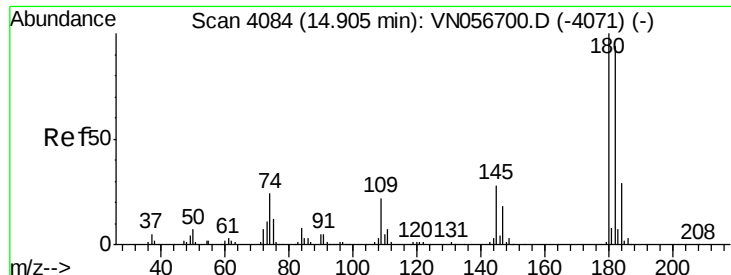
Tot Ion: 91 Resp: 151
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.048 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056791.D
 Acq: 17 Jul 2019 13:01

Tgt Ion: 75 Resp: 93476
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.7 110.5#
 89 0.0 36.2 54.2#

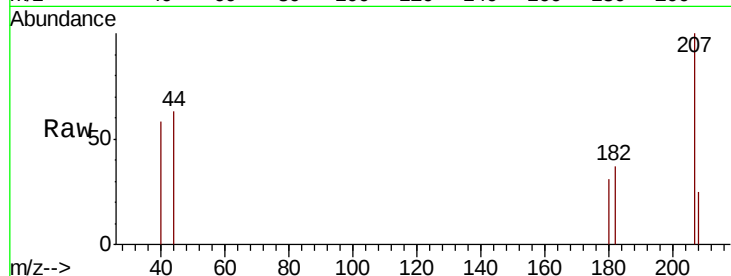




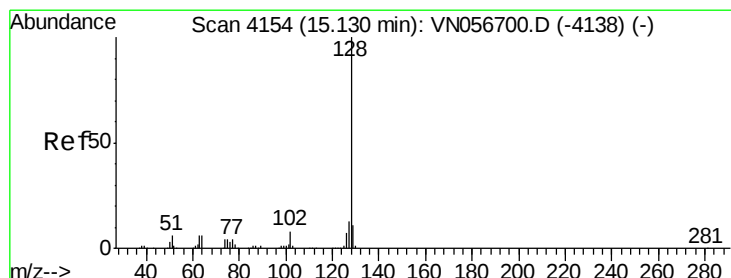
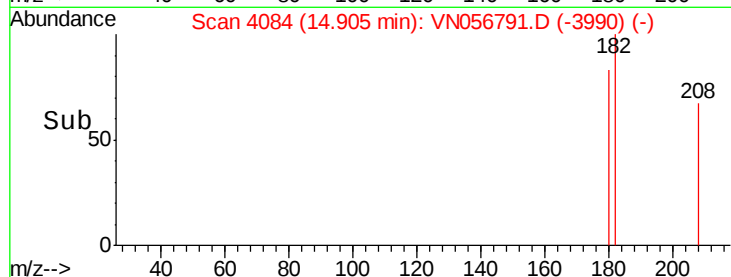
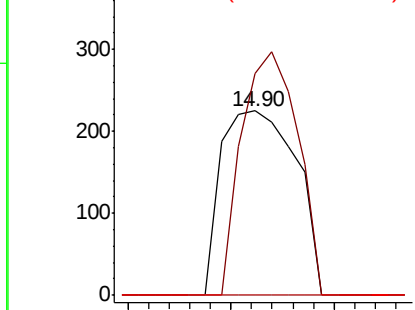
#93
 1,2,4-Trichlorobenzene
 Concen: 3.756 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056791.D
 Acq: 17 Jul 2019 13:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 227
 Ion Ratio Lower Upper
 180 100
 182 98.2 47.2 141.6
 145 0.0 14.2 42.8#

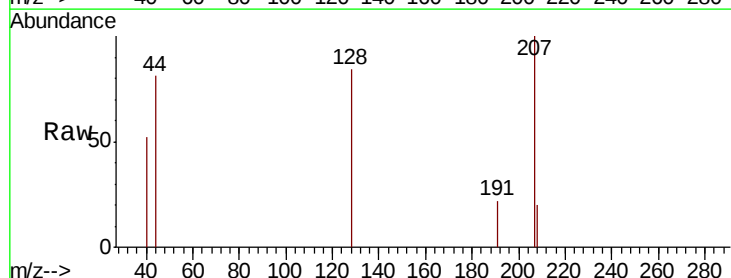


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

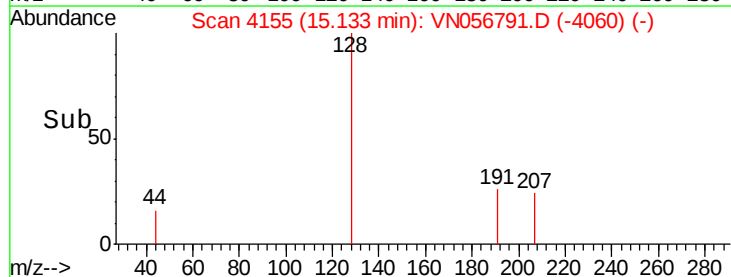
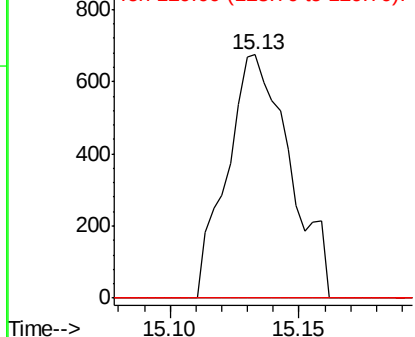


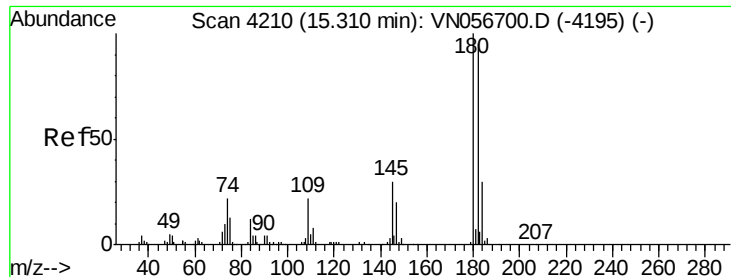
#95
 Naphthalene
 Concen: 4.642 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056791.D
 Acq: 17 Jul 2019 13:01

Tgt Ion:128 Resp: 1141
 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: 3.434 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.01 min

Lab File: VN056791.D

Acq: 17 Jul 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

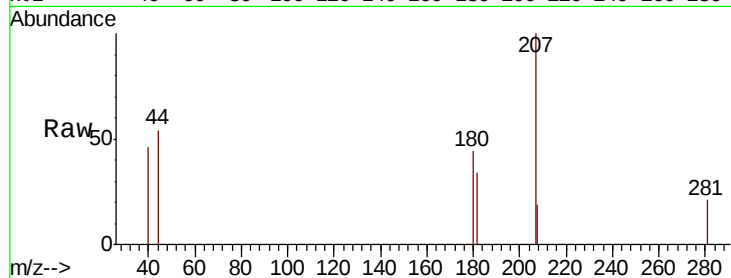
Tot Ion:180 Resp: 386

Ion Ratio Lower Upper

180 100

182 72.3 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

