

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056704.D
 Acq On : 15 Jul 2019 12:10
 Operator : JC/SP
 Sample : VN0715WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBL01

Quant Time: Jul 16 04:20:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	285953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	499773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192011	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	164447	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.98%		
35) Dibromofluoromethane	7.59	113	148580	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.54%		
50) Toluene-d8	10.09	98	626555	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.32%		
62) 4-Bromofluorobenzene	12.40	95	224731	55.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.96%		

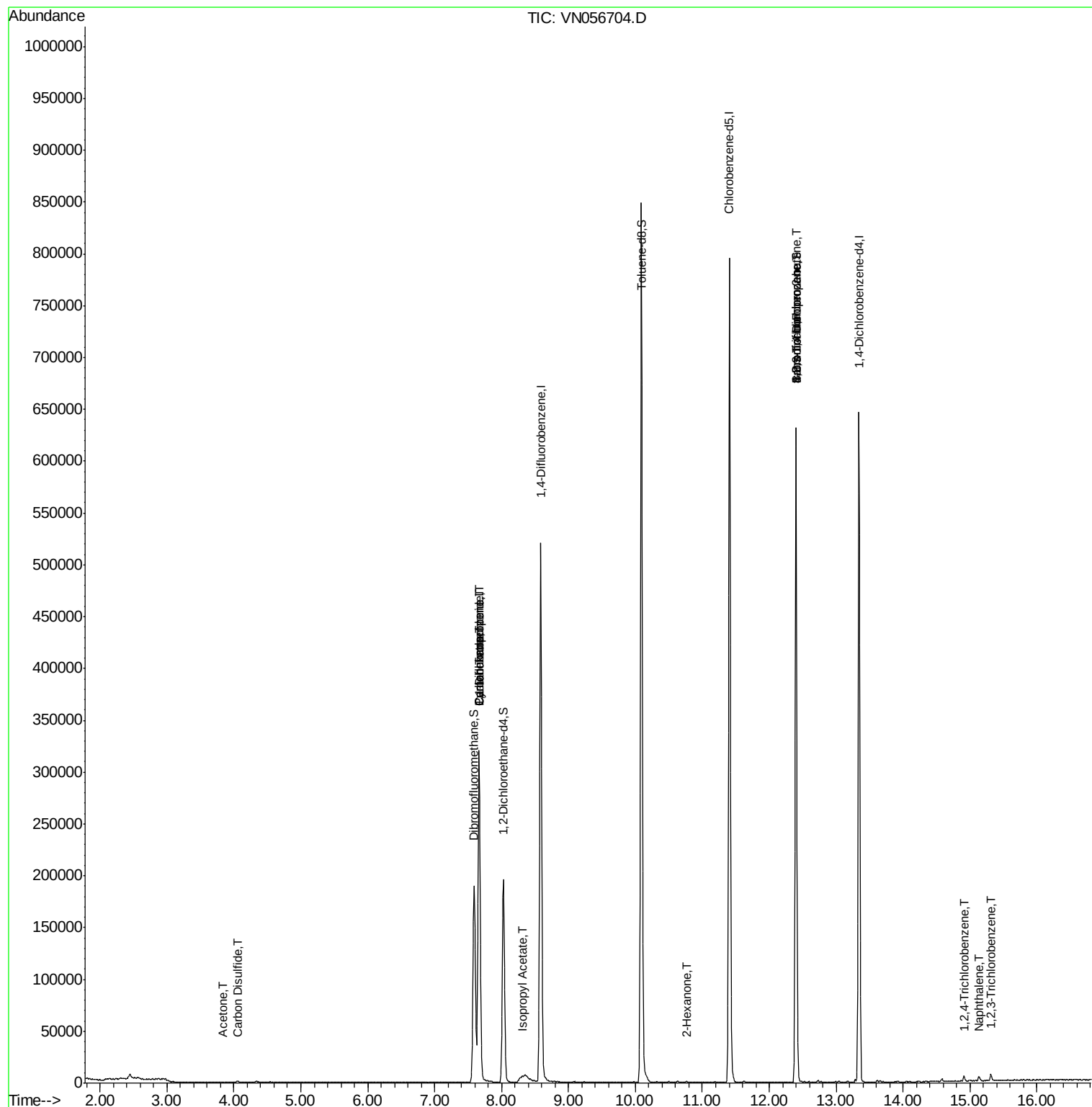
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	446	0.306	ug/l #	41
17) Carbon Disulfide	4.05	76	1976	0.278	ug/l #	75
18) Methyl Acetate	4.33	43	2666	Below Cal	#	70
31) Cyclohexane	7.66	56	4638	0.917	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	18651	4.033	ug/l #	49
38) Carbon Tetrachloride	7.66	117	24710	5.697	ug/l #	17
43) Isopropyl Acetate	8.31	43	7375	1.029	ug/l #	53
59) 2-Hexanone	10.76	43	1312	0.394	ug/l #	48
71) Bromoform	12.40	173	1679	0.568	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	104813	24.958	ug/l #	100
79) 2-Chlorotoluene	12.77	91	913	Below Cal		82
81) trans-1,4-Dichloro-2-buten	12.40	75	104813	77.079	ug/l #	13
83) tert-Butylbenzene	12.99	119	626	Below Cal	#	51
93) 1,2,4-Trichlorobenzene	14.91	180	2305	4.261	ug/l	96
94) Hexachlorobutadiene	15.00	225	297	Below Cal	#	57
95) Naphthalene	15.13	128	4851	4.954	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	3034	4.084	ug/l	98

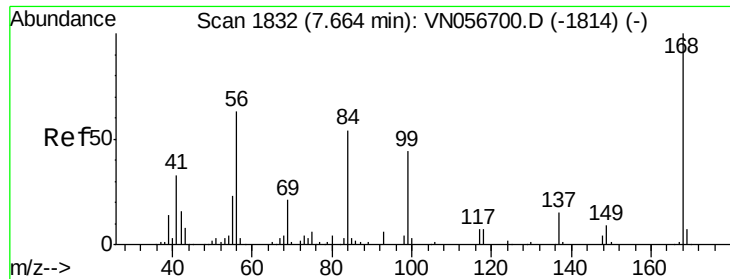
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

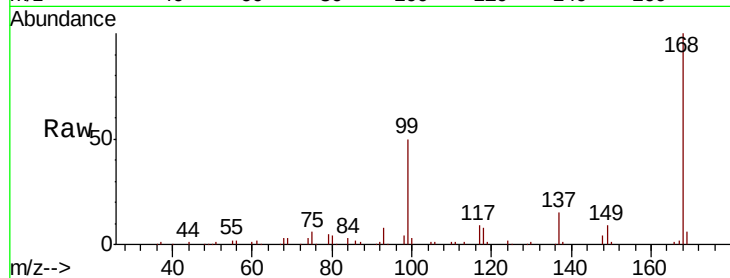
VN0715WBL01

Tot Ion:168 Resp: 285953

Ion Ratio Lower Upper

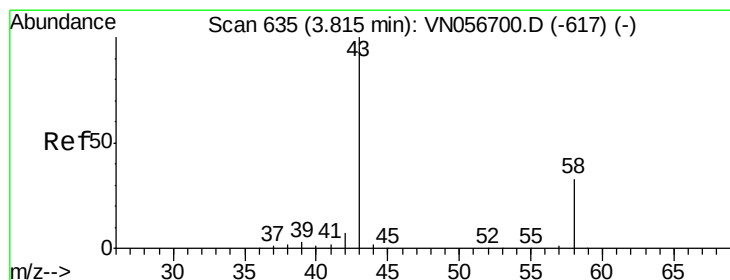
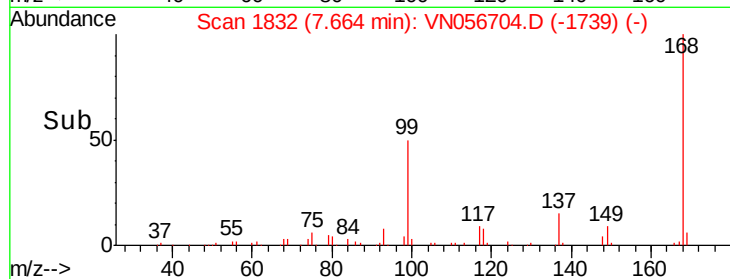
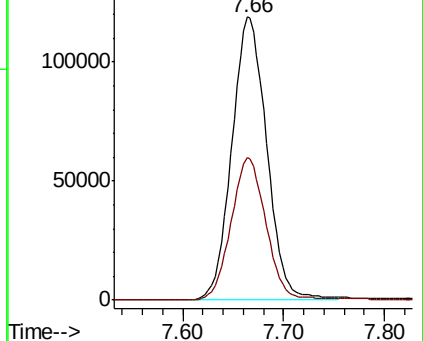
168 100

99 50.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 0.306 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN056704.D

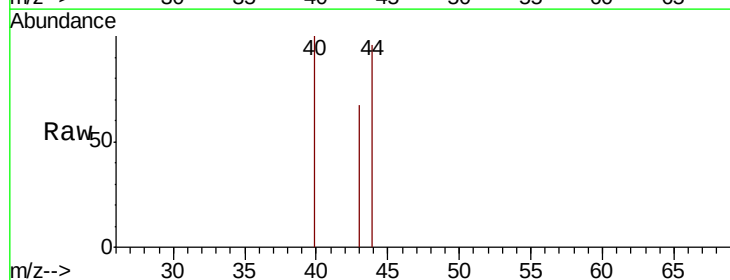
Acq: 15 Jul 2019 12:10

Tgt Ion: 43 Resp: 446

Ion Ratio Lower Upper

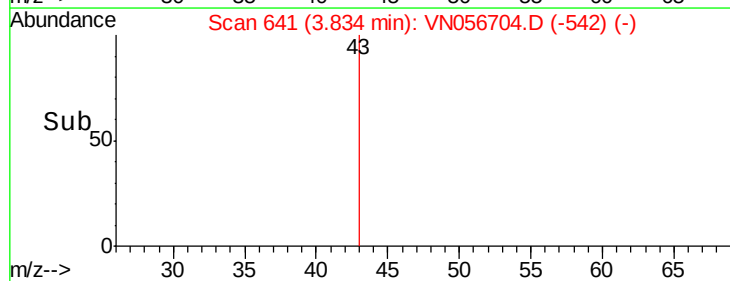
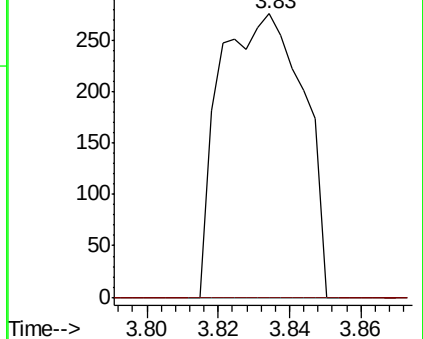
43 100

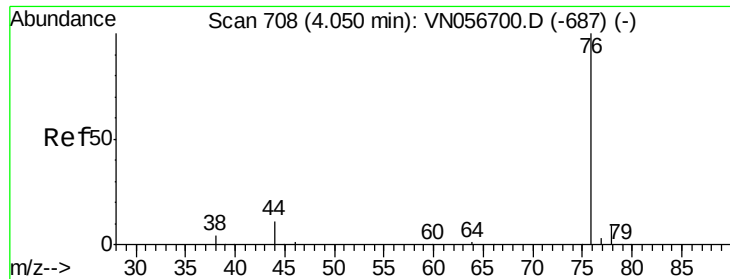
58 0.0 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

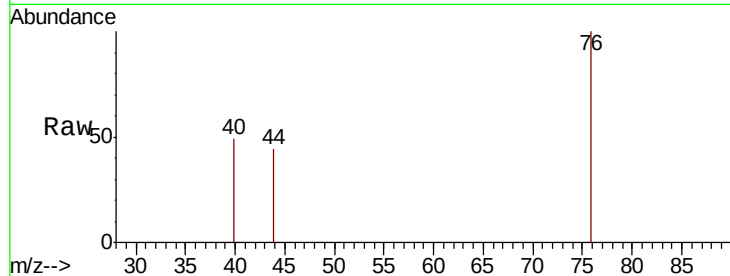
VN0715WBL01

Tot Ion: 76 Resp: 1976

Ion Ratio Lower Upper

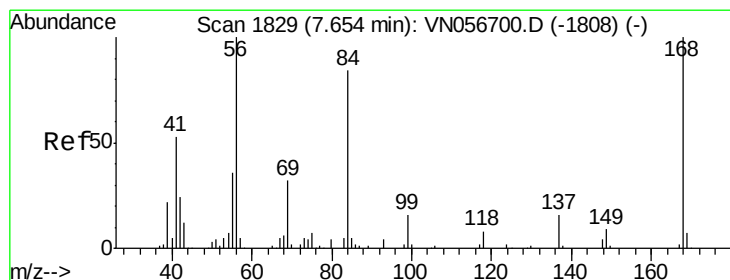
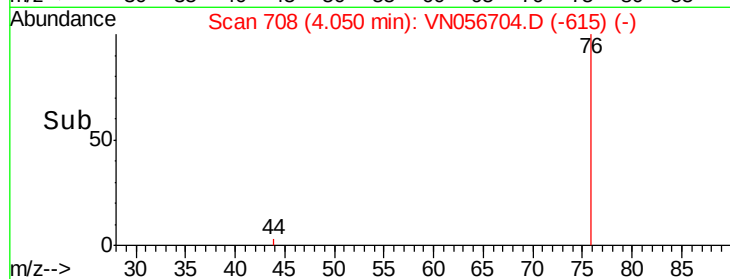
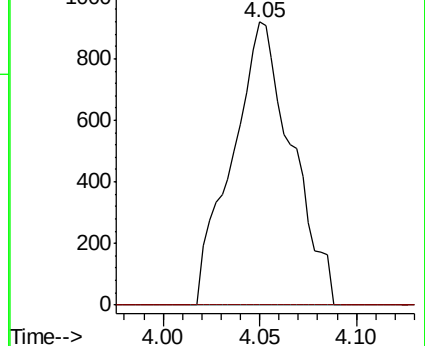
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#31

Cyclohexane

Concen: 0.917 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

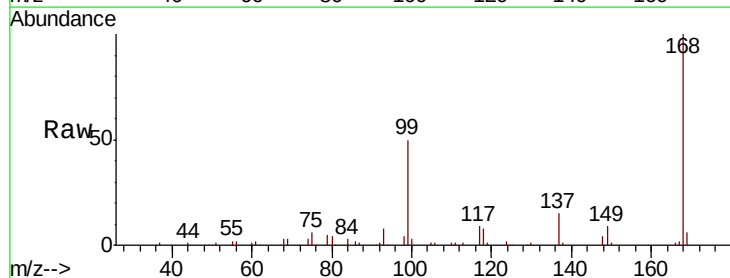
Tgt Ion: 56 Resp: 4638

Ion Ratio Lower Upper

56 100

69 164.6 25.8 38.8#

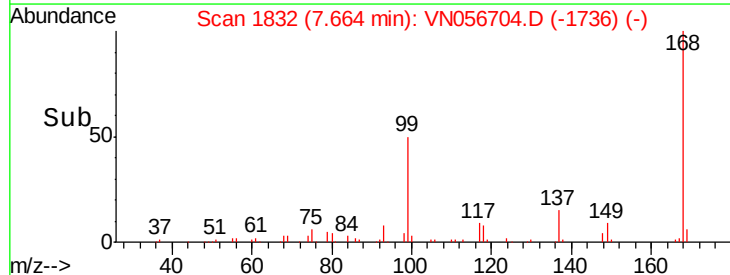
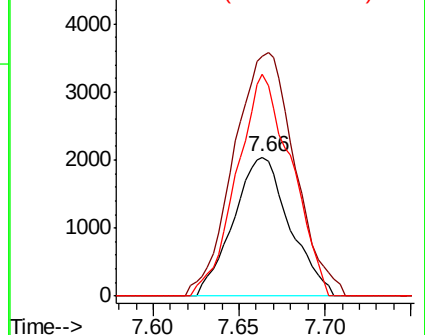
84 159.1 67.4 101.0#

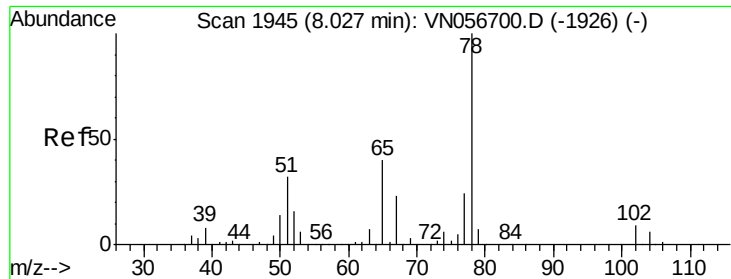


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

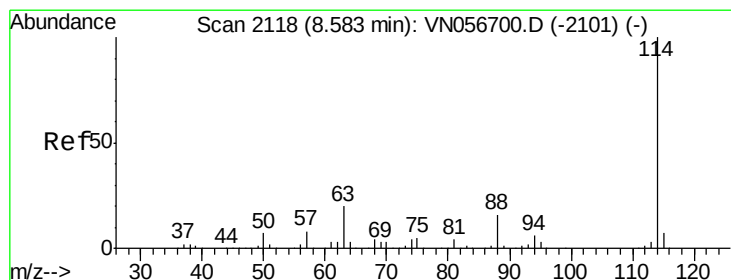
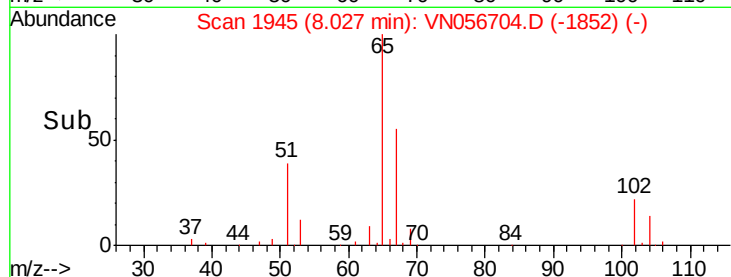
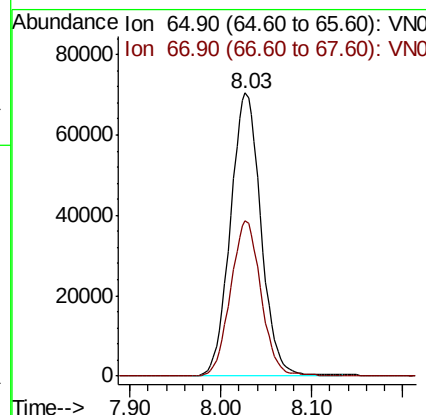
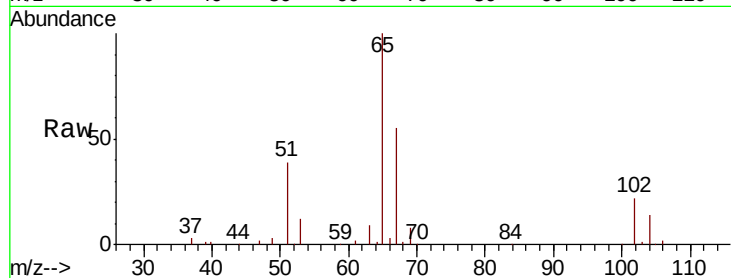




#33
 1,2-Dichloroethane-d4
 Concen: 51.990 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056704.D
 Acq: 15 Jul 2019 12:10

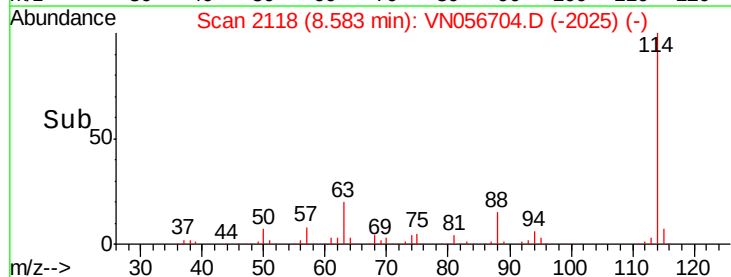
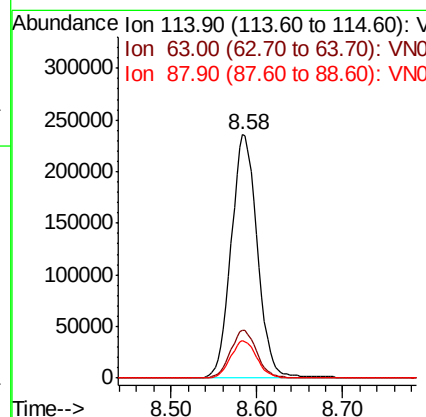
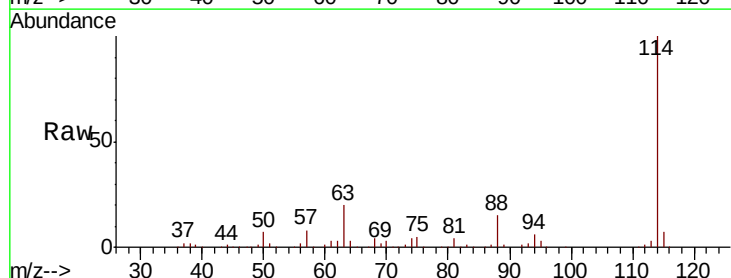
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBL01

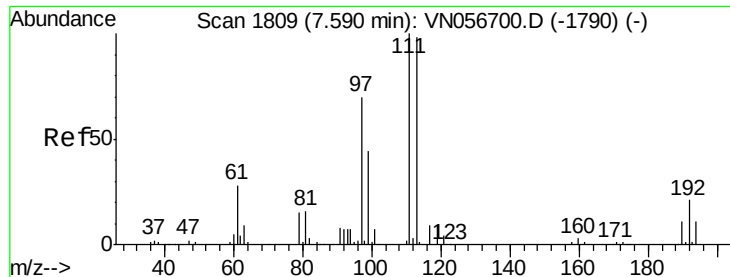
Tot Ion: 65 Resp: 164447
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056704.D
 Acq: 15 Jul 2019 12:10

Tgt Ion: 114 Resp: 499773
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.772 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBL01

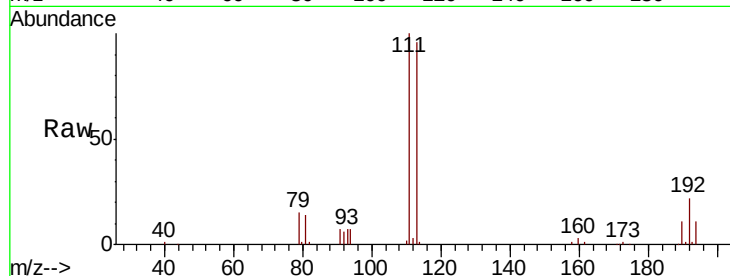
Tot Ion:113 Resp: 148580

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

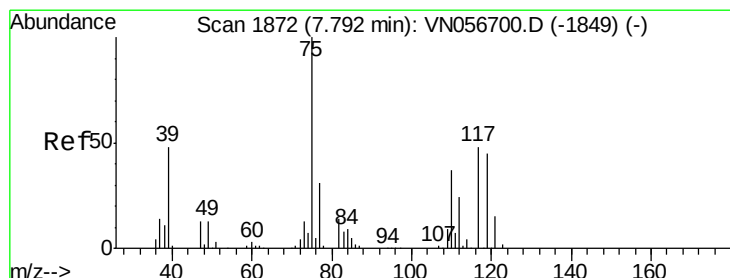
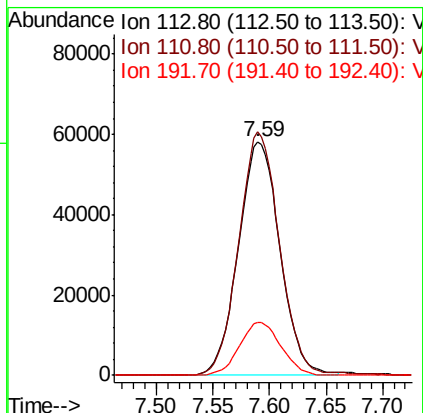
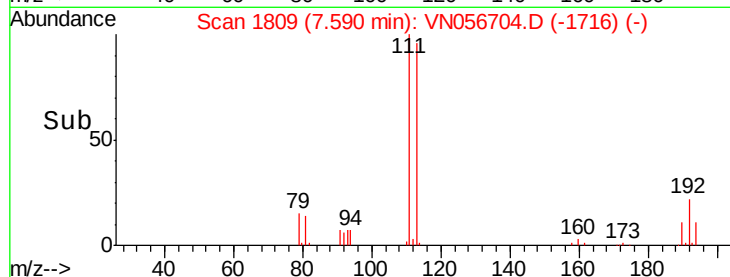
192 22.6 17.5 26.3



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: 4.033 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

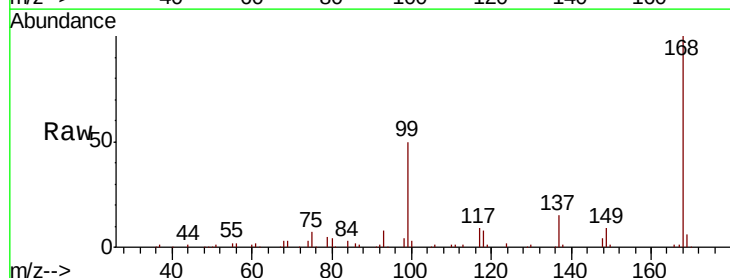
Tgt Ion: 75 Resp: 18651

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.4#

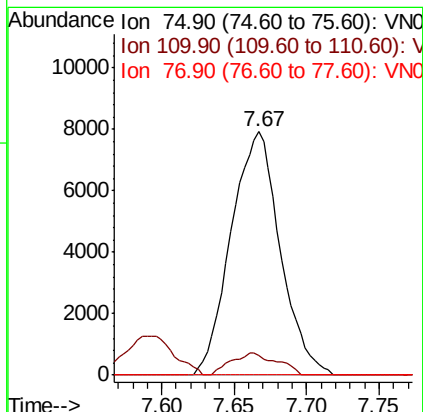
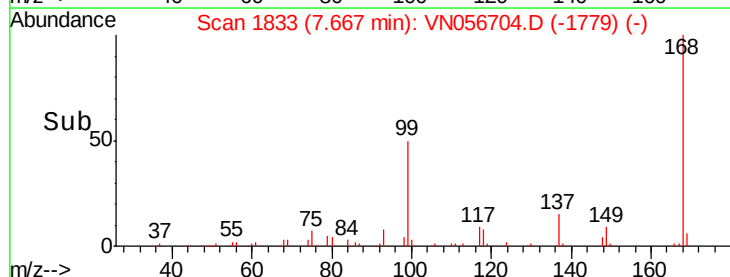
77 0.0 24.6 36.8#

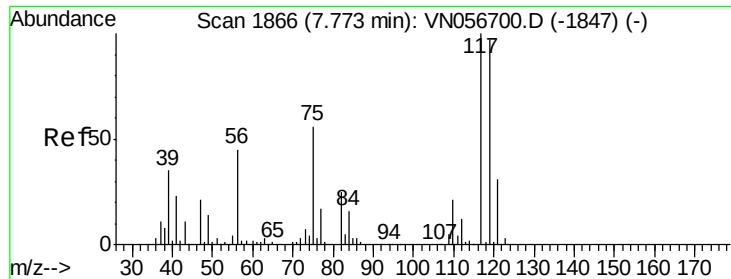


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.697 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBL01

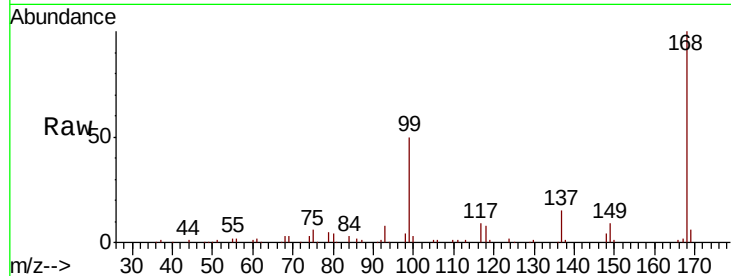
Tot Ion:117 Resp: 24710

Ion Ratio Lower Upper

117 100

119 6.7 77.5 116.3#

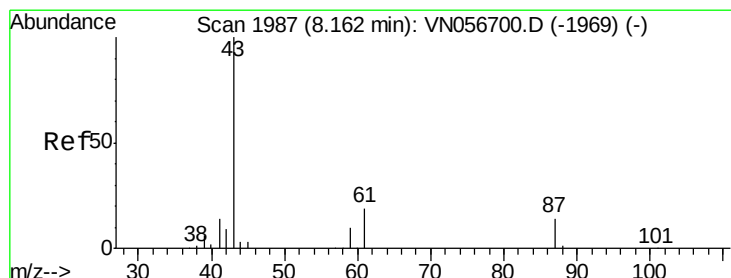
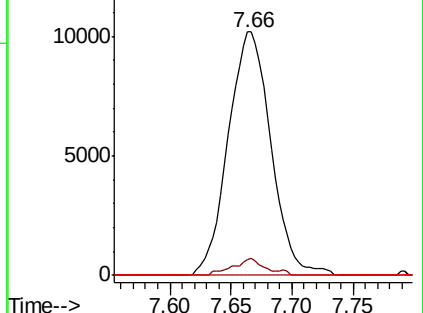
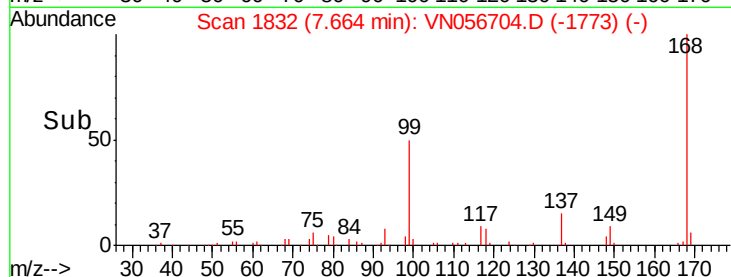
121 0.0 24.7 37.1#



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: 1.029 ug/l

RT: 8.31 min Scan# 2033

Delta R.T. 0.15 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

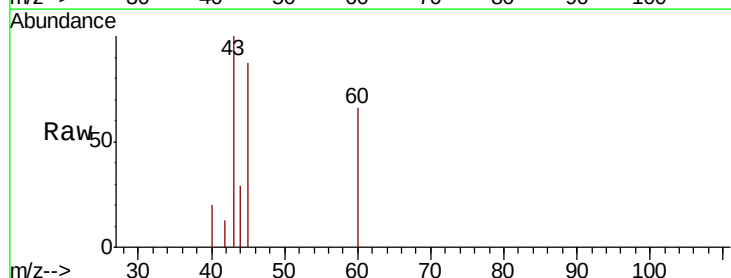
Tgt Ion: 43 Resp: 7375

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

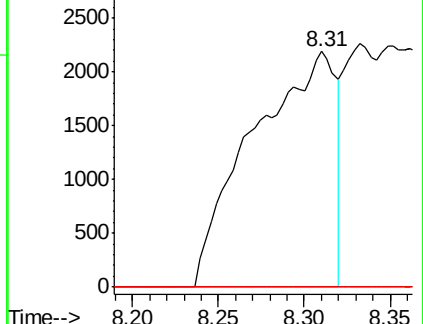
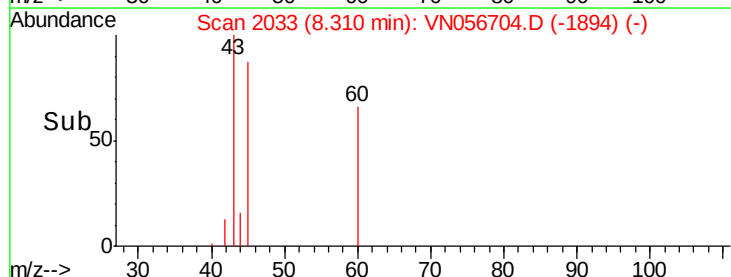
87 0.0 11.1 16.7#

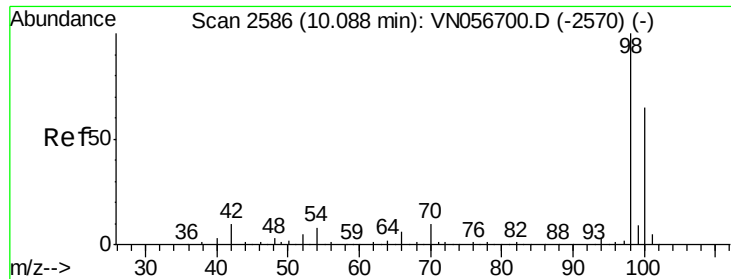


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.160 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

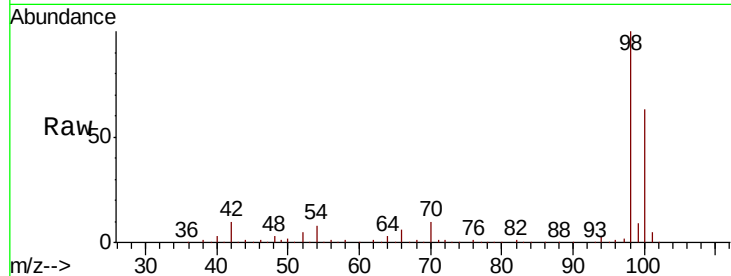
VN0715WBL01

Tot Ion: 98 Resp: 626555

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

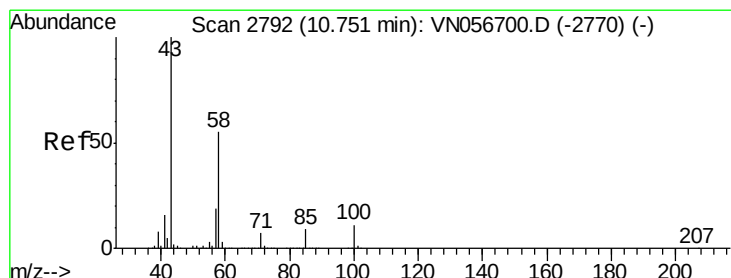
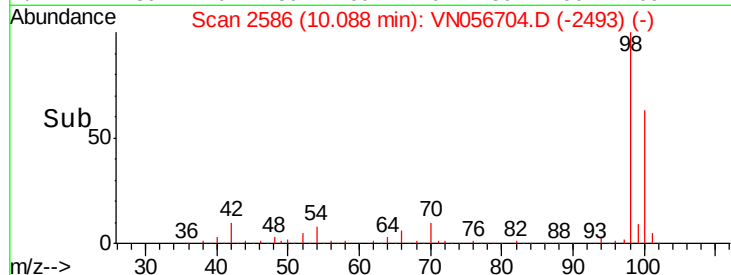
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: 0.394 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN056704.D

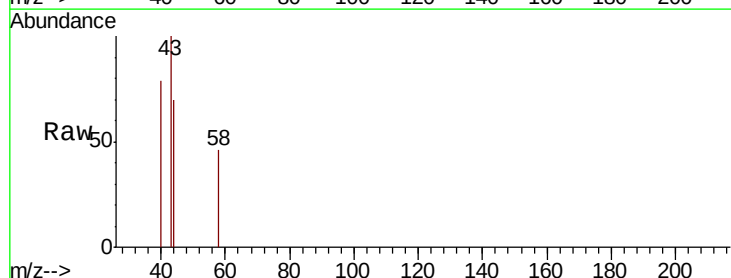
Acq: 15 Jul 2019 12:10

Tgt Ion: 43 Resp: 1312

Ion Ratio Lower Upper

43 100

58 18.2 27.9 83.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600

500

400

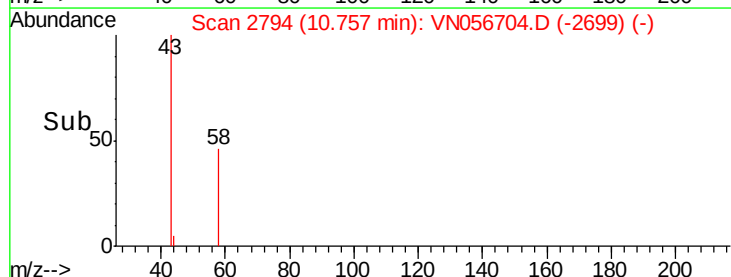
300

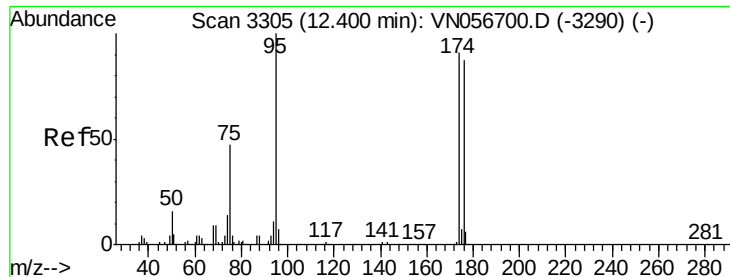
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 55.476 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBL01

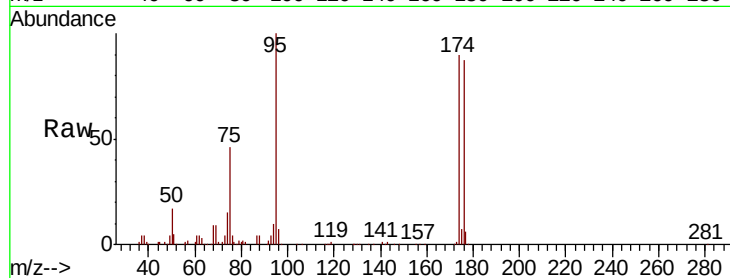
Tot Ion: 95 Resp: 224731

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.0

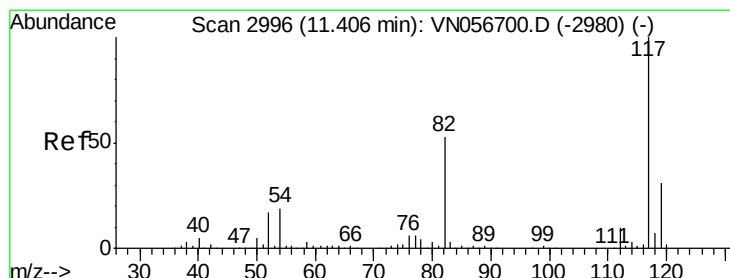
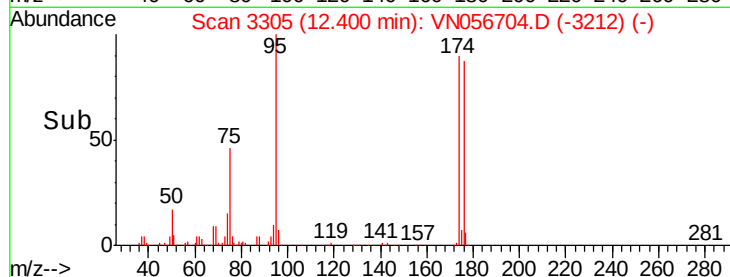
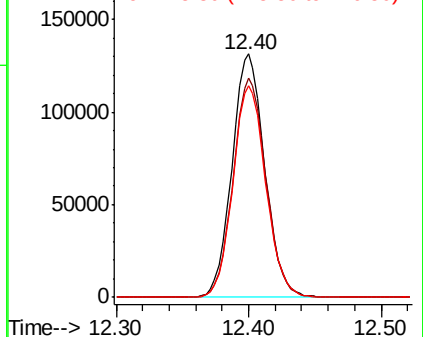
176 87.4 0.0 173.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

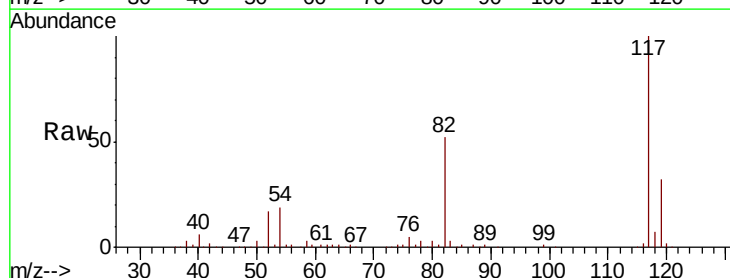
Tgt Ion: 117 Resp: 515804

Ion Ratio Lower Upper

117 100

82 52.2 42.2 63.2

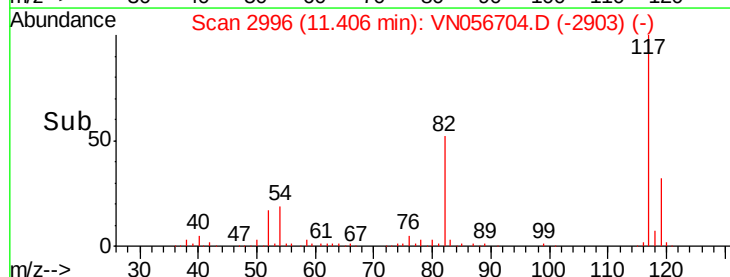
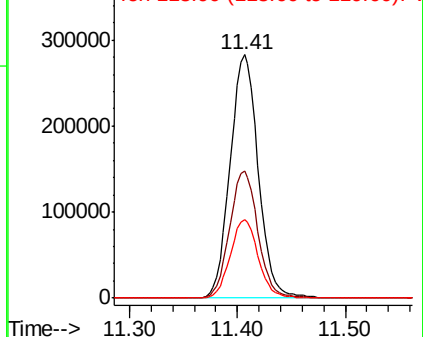
119 32.4 25.2 37.8

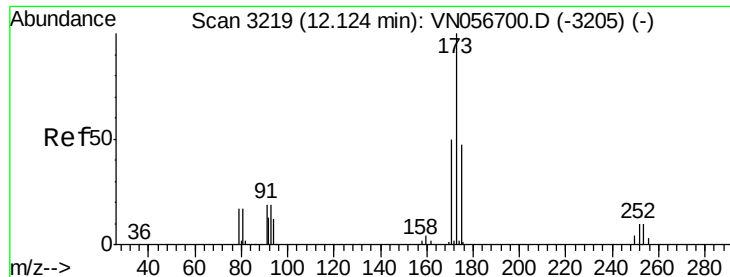


Abundance Ion 116.90 (116.60 to 117.60): VN056700.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN056700.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN056700.D (-2980) (-)





#71

Bromoform

Concen: 0.568 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBL01

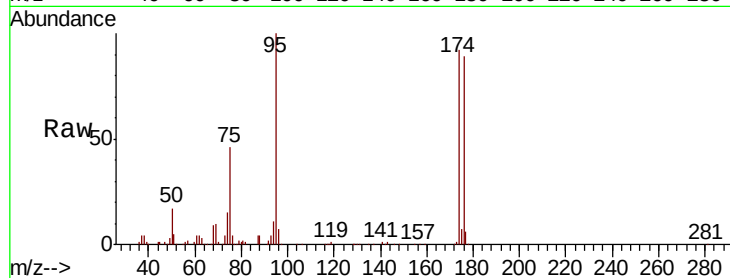
Tot Ion:173 Resp: 1679

Ion Ratio Lower Upper

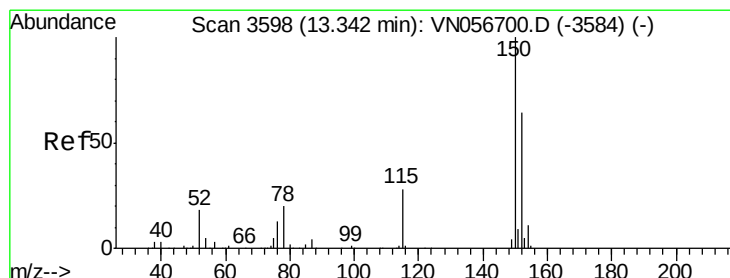
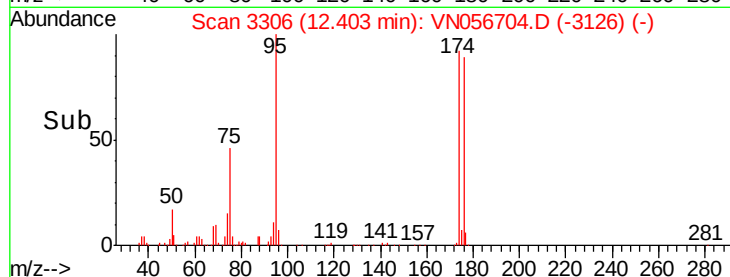
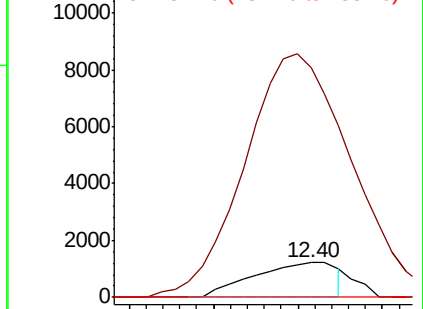
173 100

175 729.7 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: VN056704.D

Acq: 15 Jul 2019 12:10

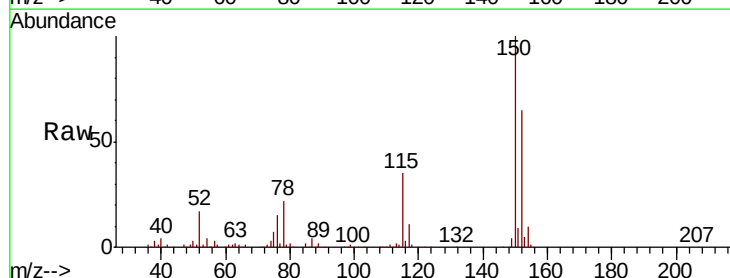
Tgt Ion:152 Resp: 192011

Ion Ratio Lower Upper

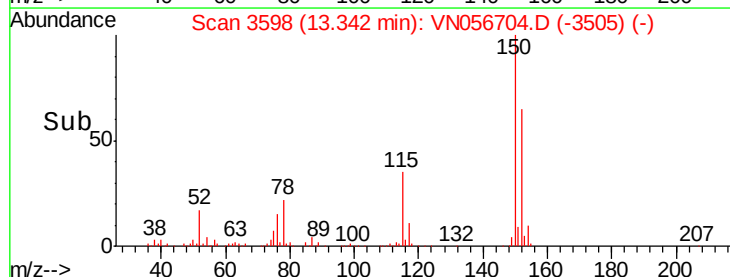
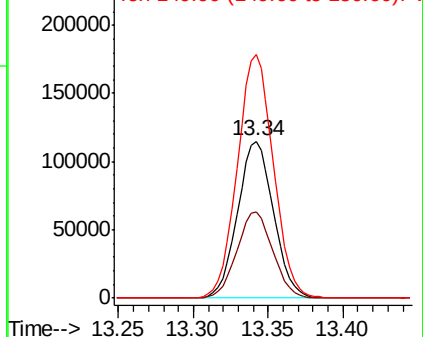
152 100

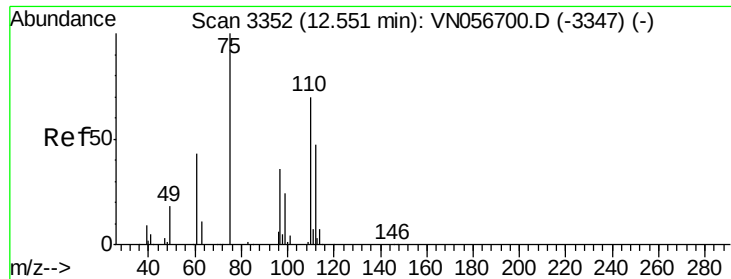
115 55.4 28.2 84.7

150 155.9 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

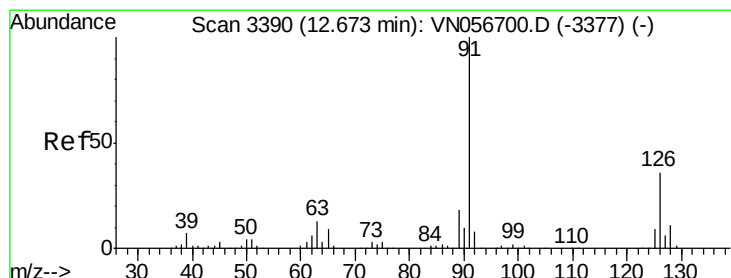
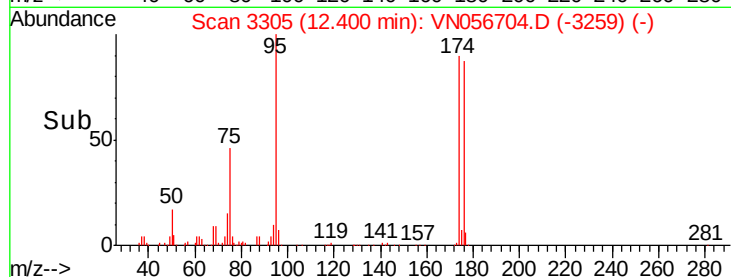
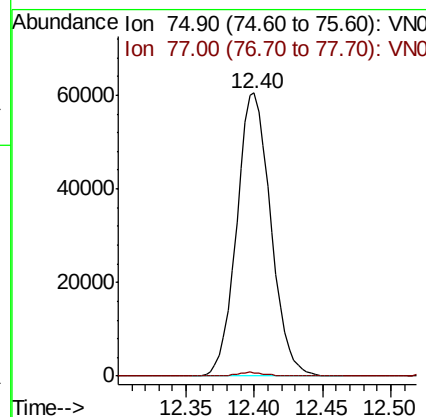
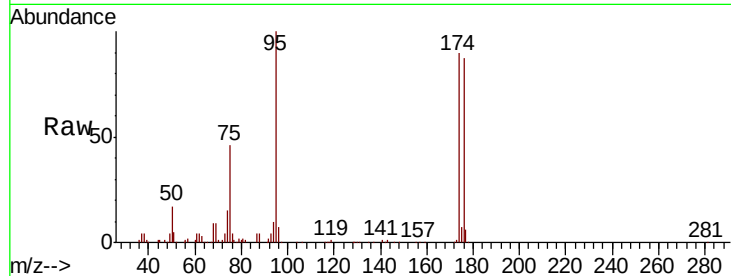




#76
 1,2,3-Trichloropropane
 Concen: 24.958 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056704.D
 Acq: 15 Jul 2019 12:10

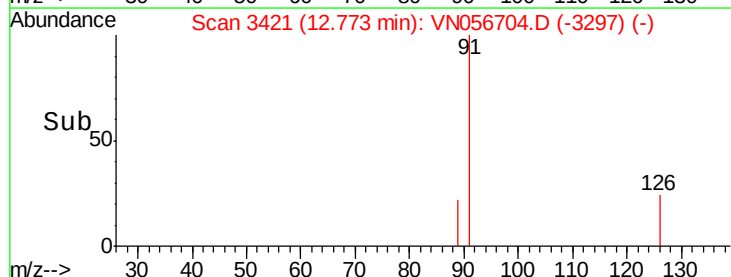
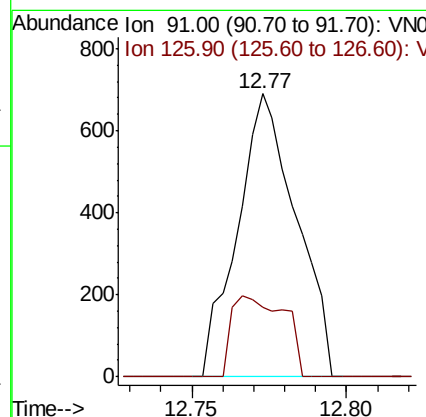
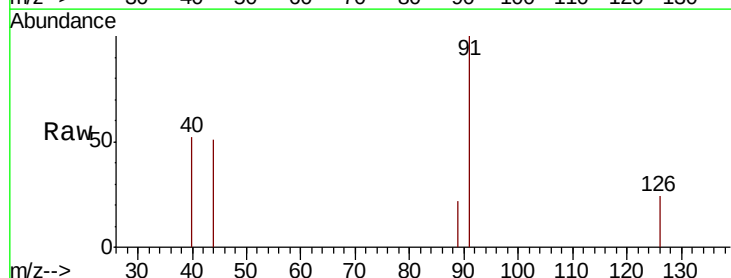
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBL01

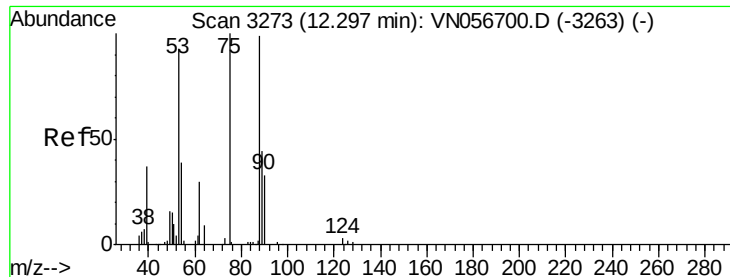
Tot Ion: 75 Resp: 104813
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.10 min
 Lab File: VN056704.D
 Acq: 15 Jul 2019 12:10

Tgt Ion: 91 Resp: 913
 Ion Ratio Lower Upper
 91 100
 126 25.5 17.9 53.7

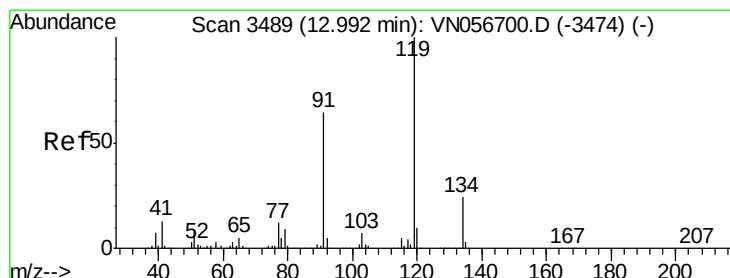
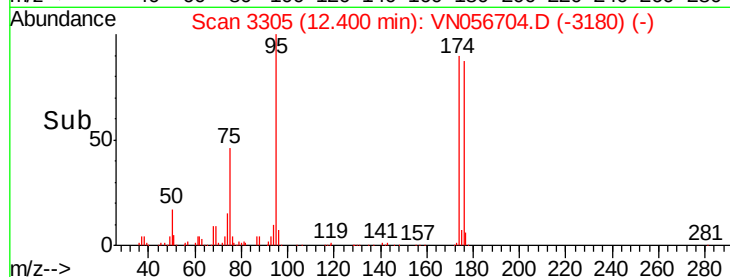
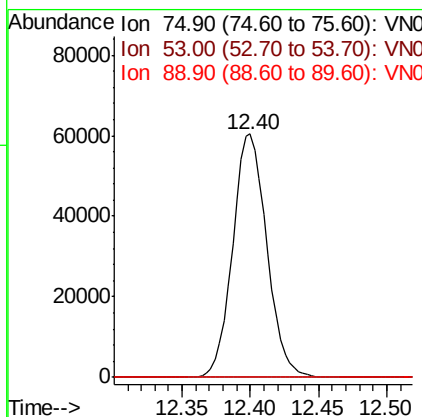
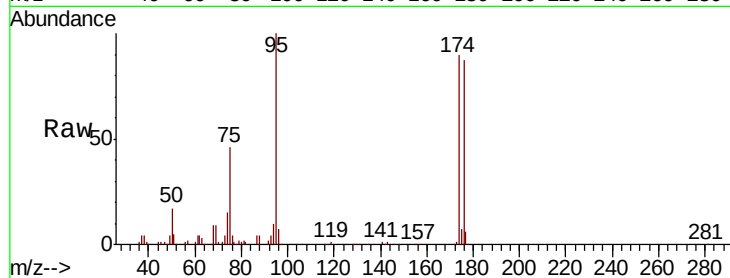




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.079 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056704.D
 Acq: 15 Jul 2019 12:10

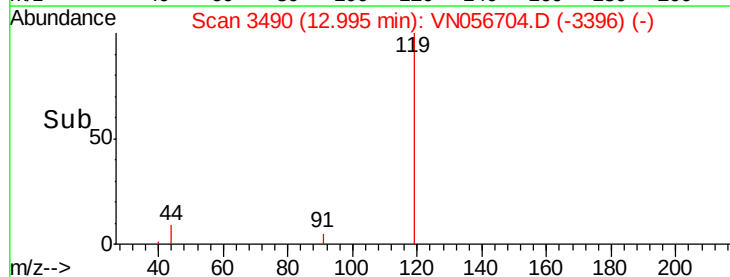
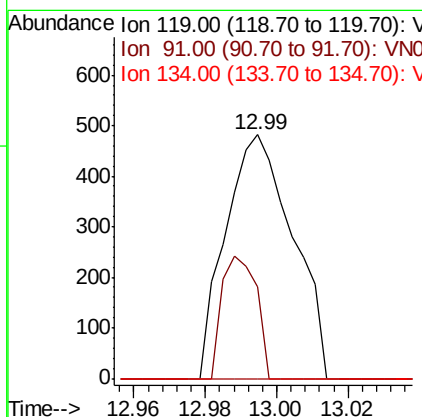
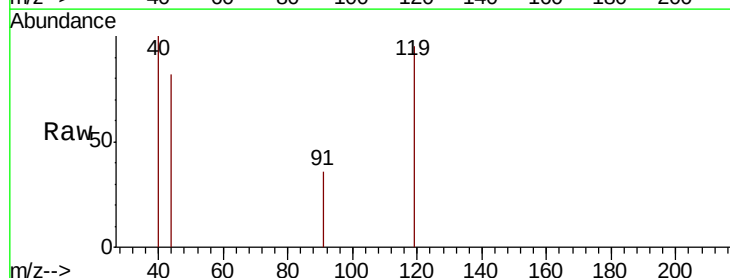
Instrument :
 MSVOA_N
 ClientSampled :
 VN0715WBL01

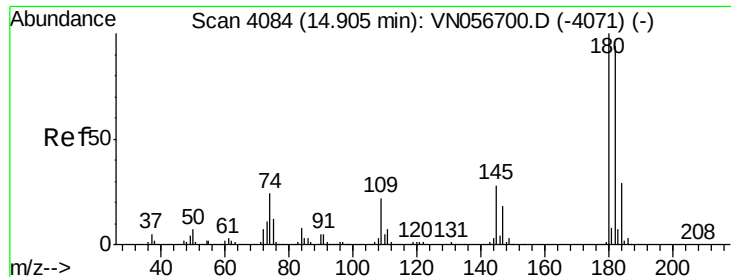
Tot Ion: 75 Resp: 104813
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.7 110.5#
 89 0.0 36.2 54.2#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056704.D
 Acq: 15 Jul 2019 12:10

Tgt Ion: 119 Resp: 626
 Ion Ratio Lower Upper
 119 100
 91 25.9 31.8 95.4#
 134 0.0 13.0 38.9#

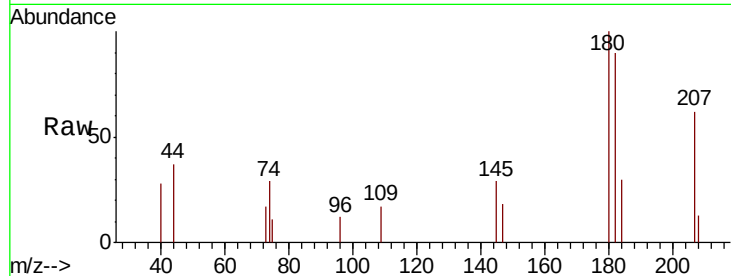




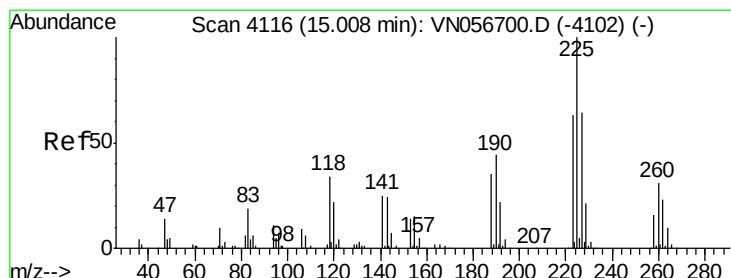
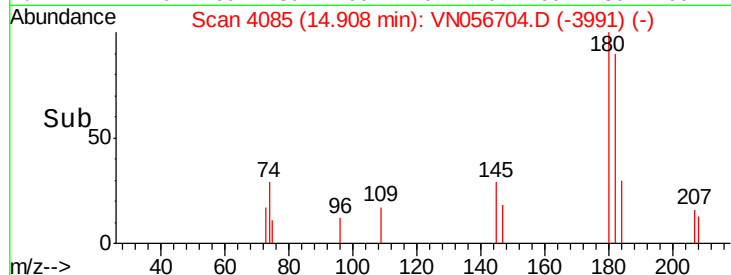
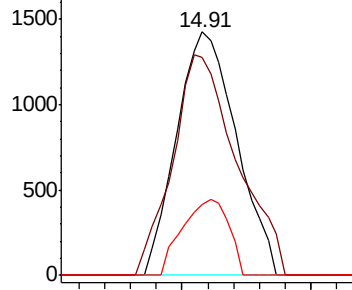
#93
 1,2,4-Trichlorobenzene
 Concen: 4.261 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056704.D
 Acq: 15 Jul 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBL01

Tot Ion:180 Resp: 2305
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.2 141.6
 145 24.0 14.2 42.8

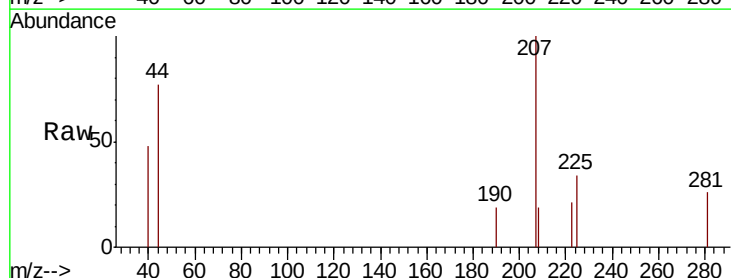


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

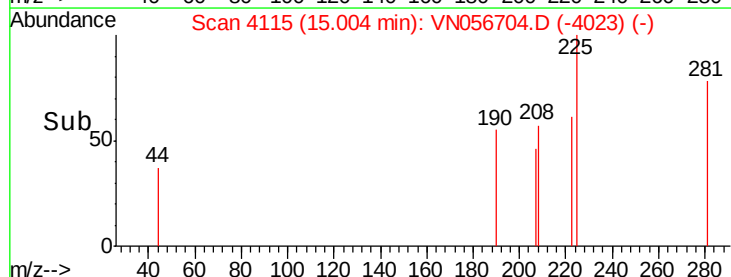
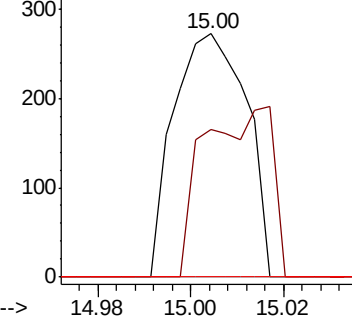


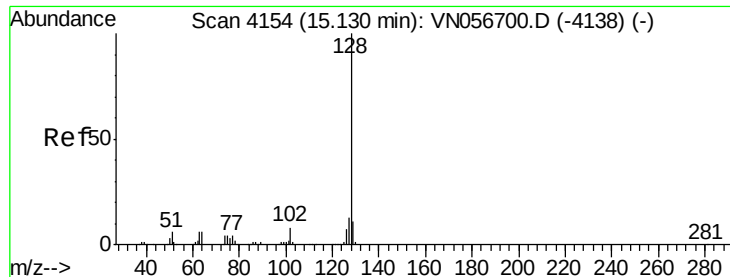
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056704.D
 Acq: 15 Jul 2019 12:10

Tgt Ion:225 Resp: 297
 Ion Ratio Lower Upper
 225 100
 223 65.7 31.5 94.5
 227 0.0 32.0 96.2#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.954 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBL01

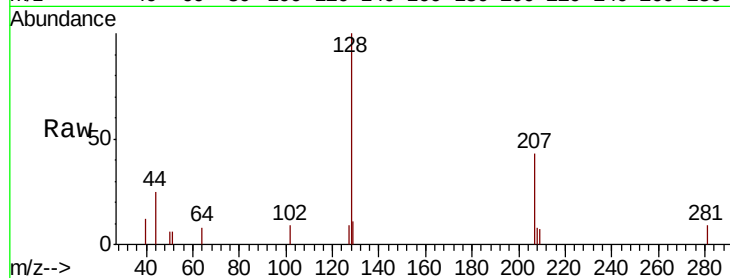
Tot Ion:128 Resp: 4851

Ion Ratio Lower Upper

128 100

127 9.2 10.3 15.5#

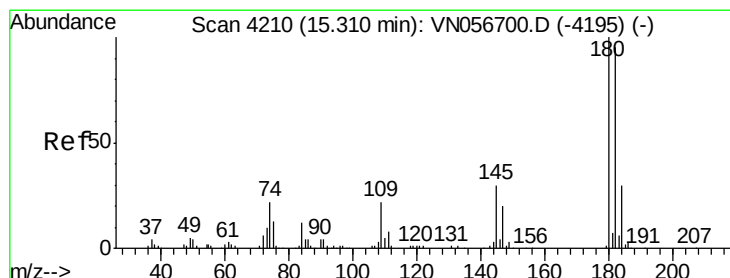
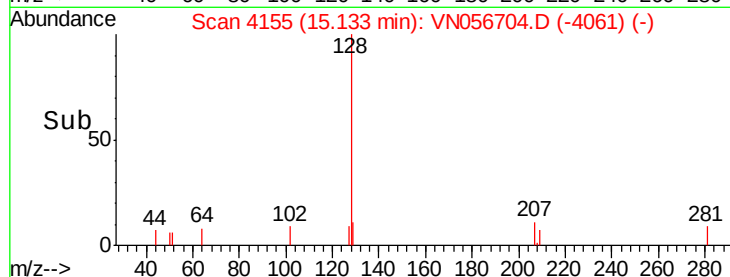
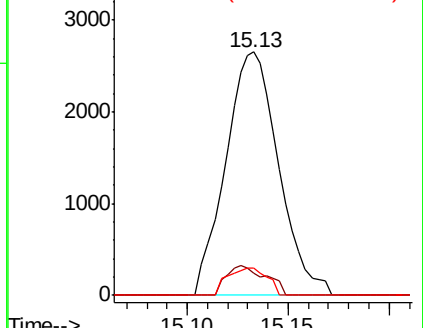
129 8.5 8.7 13.1#



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: 4.084 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056704.D

Acq: 15 Jul 2019 12:10

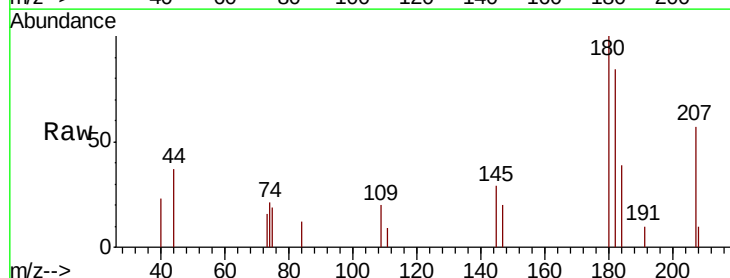
Tgt Ion:180 Resp: 3034

Ion Ratio Lower Upper

180 100

182 94.9 47.1 141.3

145 27.1 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

