

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056870.D
 Acq On : 23 Jul 2019 9:51
 Operator : JC/SP
 Sample : VN0723WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBL01

Quant Time: Jul 24 01:12:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

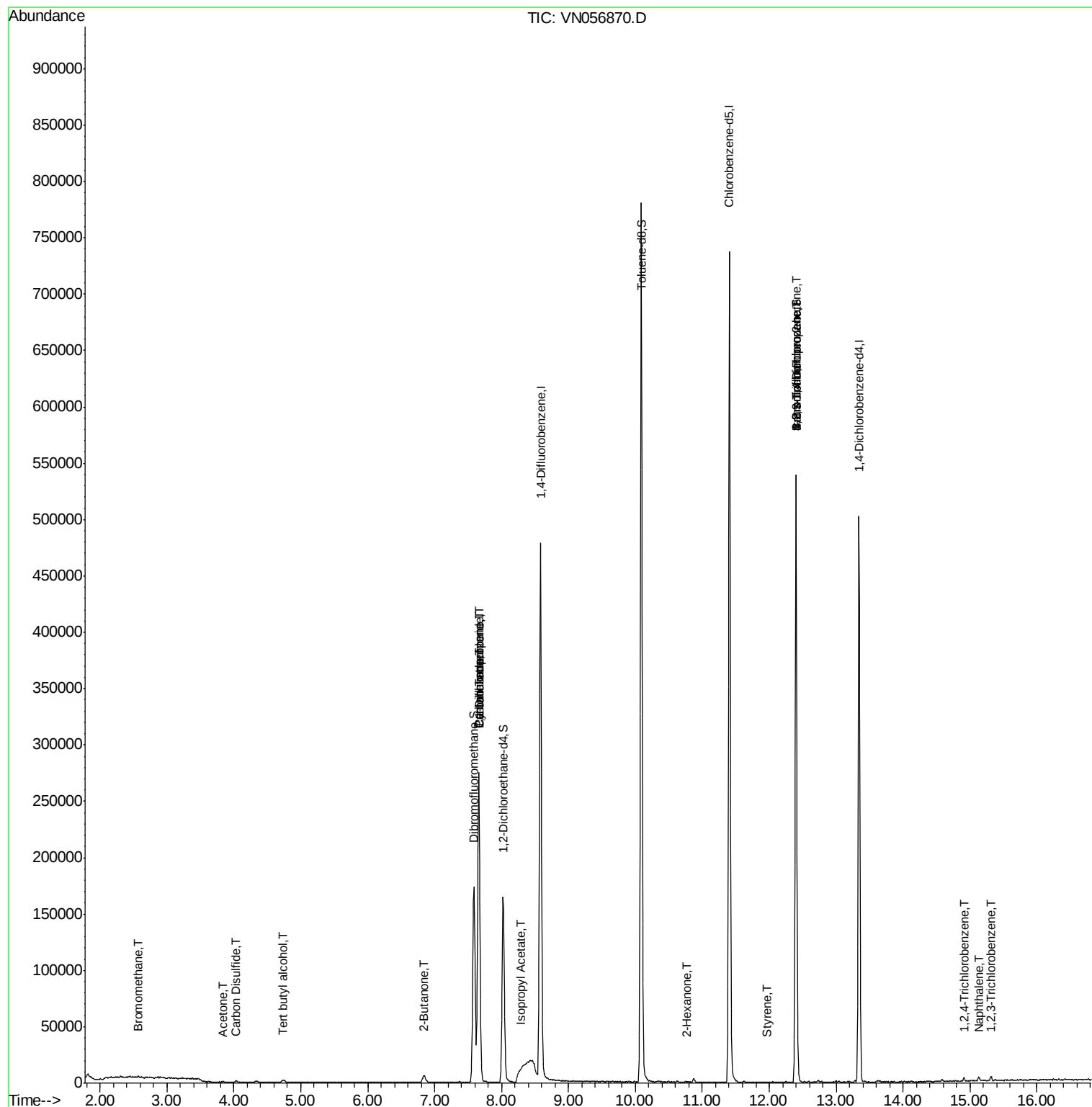
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	245535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	452149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	477203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151384	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	143407	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.59	113	137280	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.09	98	566218	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	195419	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.57	94	1171	0.612	ug/l	82
11) Tert butyl alcohol	4.74	59	1606	4.317	ug/l #	72
16) Acetone	3.83	43	1308	1.387	ug/l #	41
17) Carbon Disulfide	4.04	76	2507	0.385	ug/l #	75
18) Methyl Acetate	4.35	43	2844	Below Cal	#	56
25) 2-Butanone	6.85	43	419	0.302	ug/l #	48
31) Cyclohexane	7.65	56	4108	0.923	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	15978	3.832	ug/l #	49
38) Carbon Tetrachloride	7.66	117	21524	5.422	ug/l #	16
43) Isopropyl Acetate	8.28	43	11710	2.026	ug/l #	58
59) 2-Hexanone	10.76	43	1228	0.515	ug/l #	23
70) Styrene	11.96	104	204	0.538	ug/l #	37
71) Bromoform	12.40	173	1519	0.586	ug/l #	1
73) Isopropylbenzene	12.25	105	784	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	88343	28.159	ug/l #	100
79) 2-Chlorotoluene	12.78	91	790	Below Cal		89
80) 1,3,5-Trimethylbenzene	12.73	105	678	Below Cal		85
81) trans-1,4-Dichloro-2-buten	12.40	75	88343	90.188	ug/l #	13
83) tert-Butylbenzene	13.00	119	750	Below Cal	#	81
93) 1,2,4-Trichlorobenzene	14.90	180	695	4.353	ug/l #	24
95) Naphthalene	15.13	128	3756	4.099	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	2061	3.141	ug/l	89

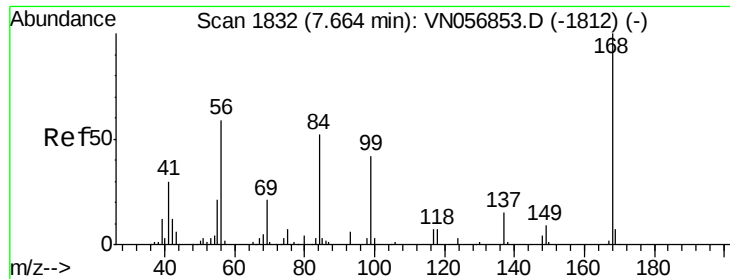
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072319\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

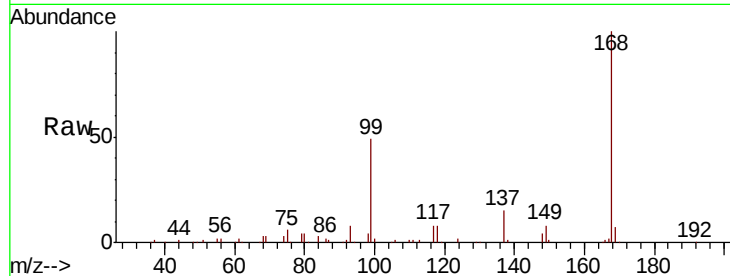
VN0723WBL01

Tot Ion:168 Resp: 245535

Ion Ratio Lower Upper

168 100

99 48.7 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): VN056853.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN056853.D (-1812) (-)

7.66

100000

80000

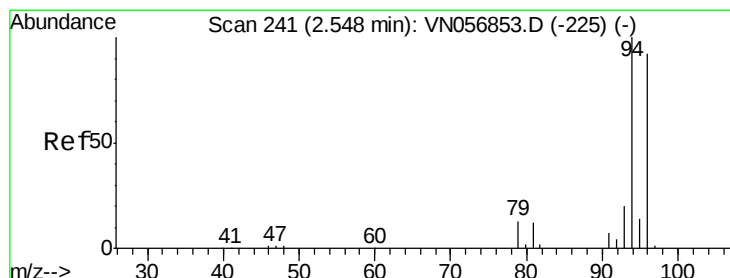
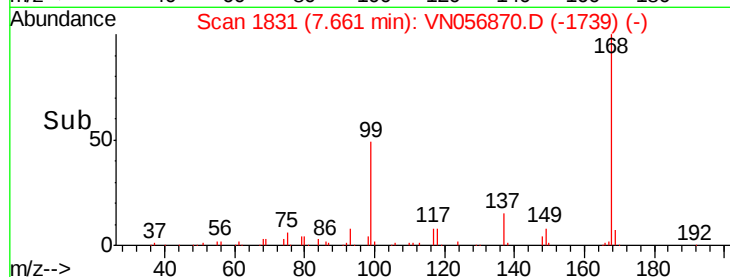
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.612 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN056870.D

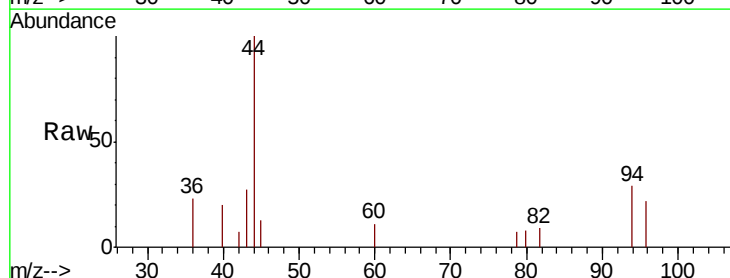
Acq: 23 Jul 2019 9:51

Tgt Ion: 94 Resp: 1171

Ion Ratio Lower Upper

94 100

96 74.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN056853.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN056853.D (-225) (-)

2.57

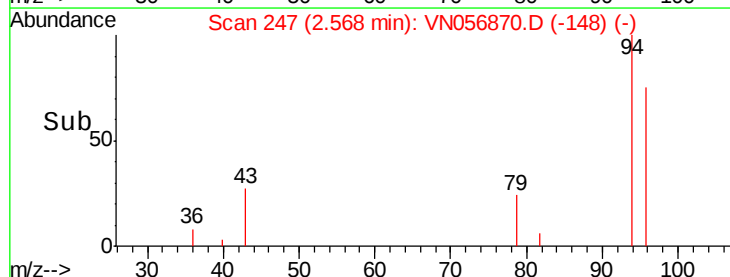
600

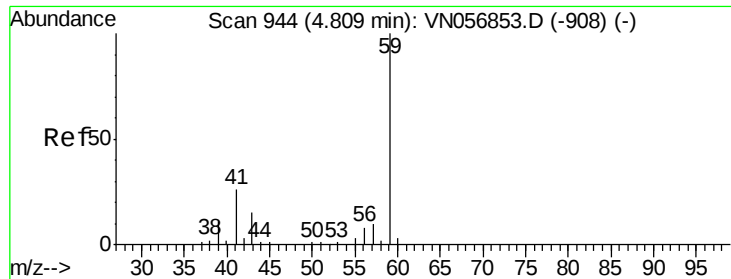
400

200

0

Time-->

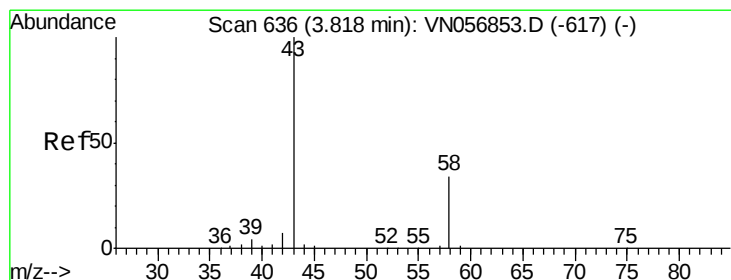
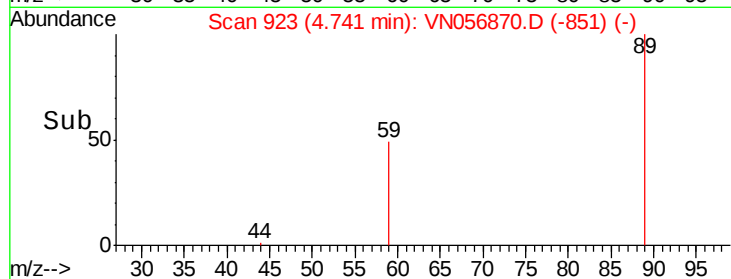
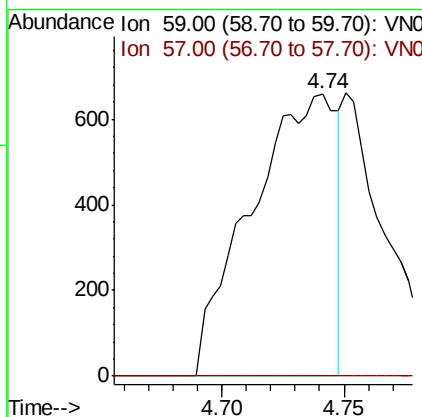
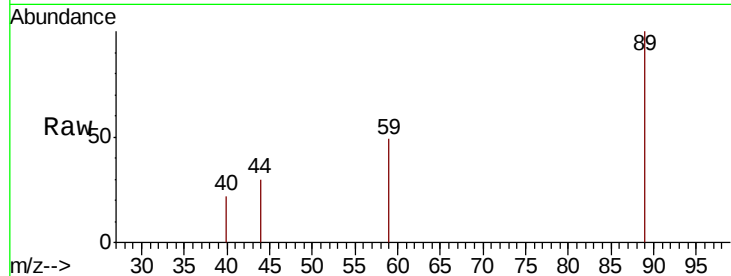




#11
Tert butyl alcohol
Concen: 4.317 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.07 min
Lab File: VN056870.D
Acq: 23 Jul 2019 9:51

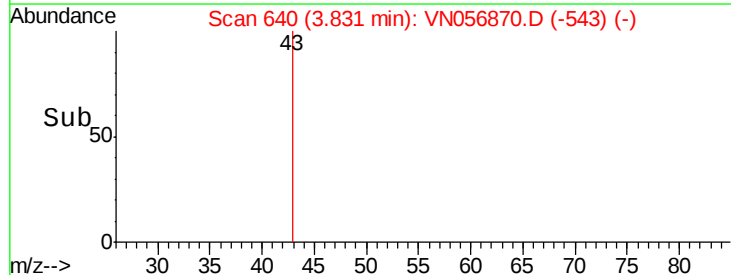
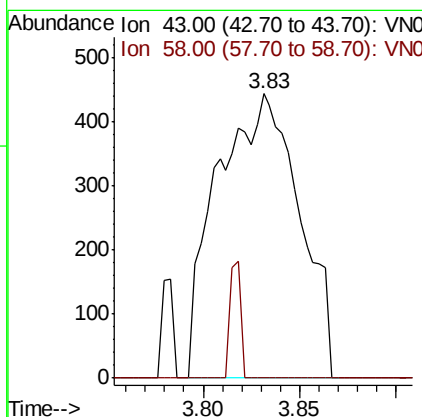
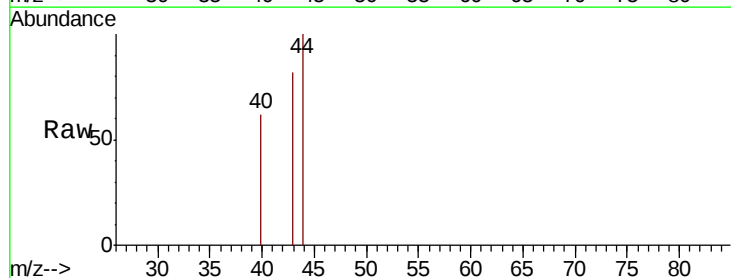
Instrument :
MSVOA_N
ClientSampleId :
VN0723WBL01

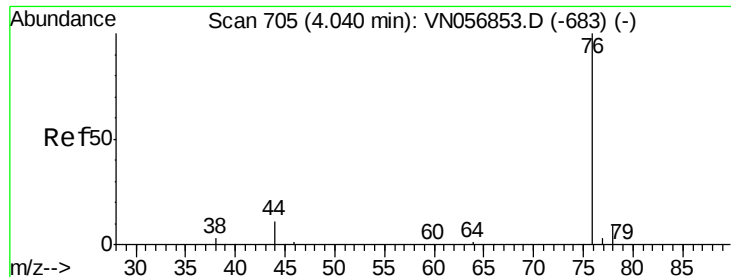
Tot Ion: 59 Resp: 1606
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 1.387 ug/l
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN056870.D
Acq: 23 Jul 2019 9:51

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 0.0 27.3 40.9#

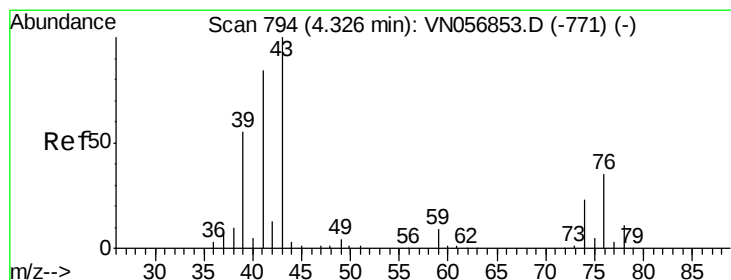
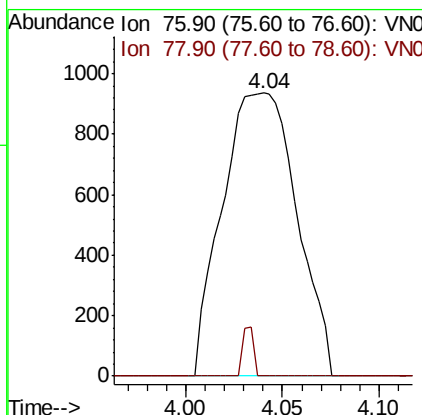
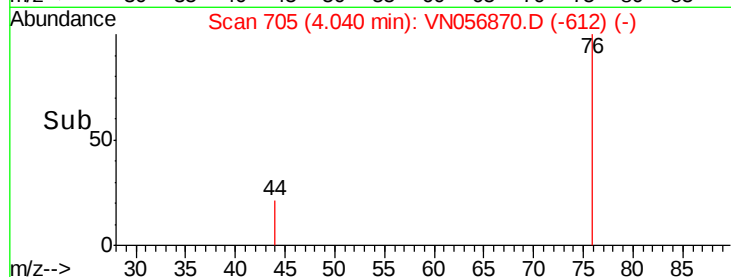
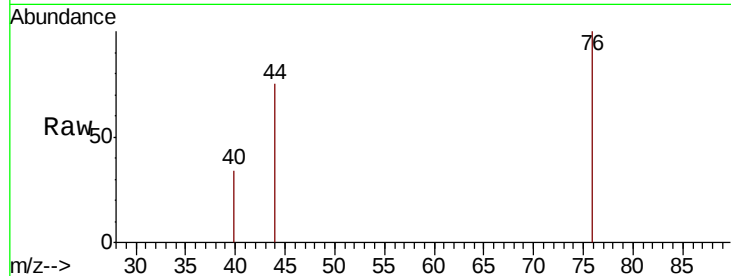




#17
Carbon Disulfide
Concen: 0.385 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN056870.D
Acq: 23 Jul 2019 9:51

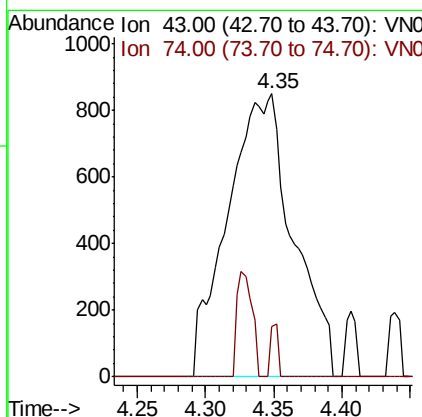
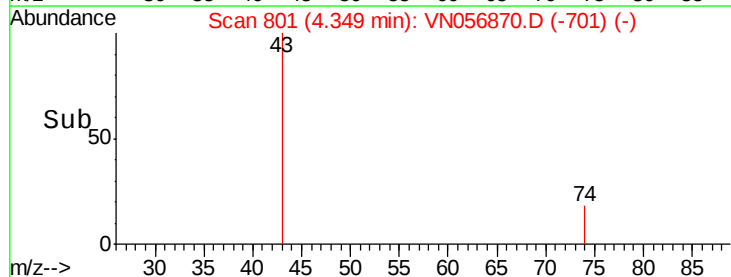
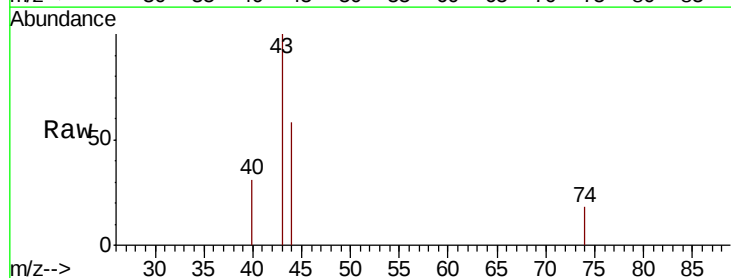
Instrument :
MSVOA_N
ClientSampled :
VN0723WBL01

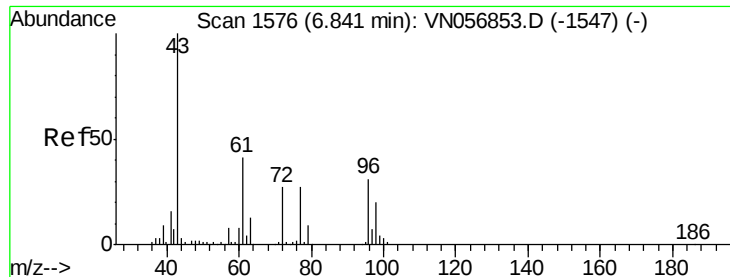
Tot Ion: 76 Resp: 2507
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.35 min Scan# 801
Delta R.T. 0.02 min
Lab File: VN056870.D
Acq: 23 Jul 2019 9:51

Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
74 2.1 19.0 28.4#

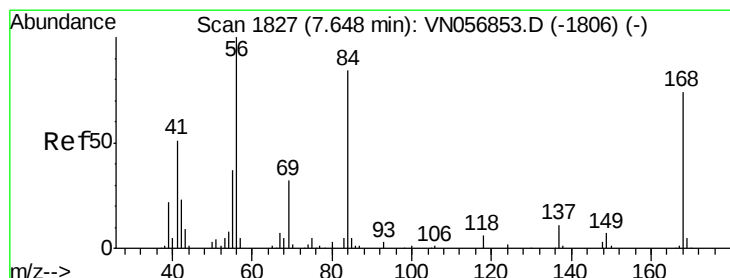
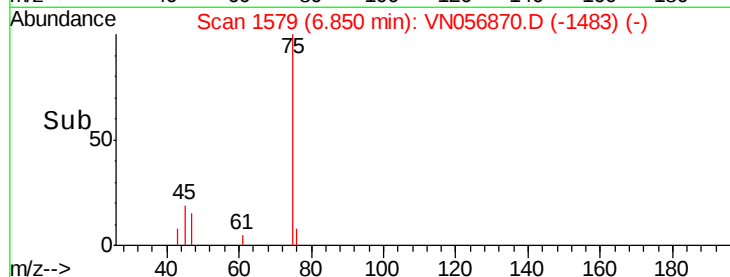
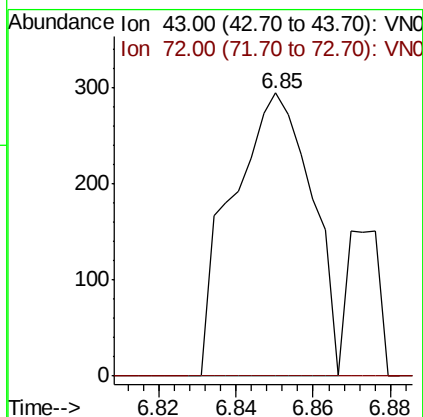
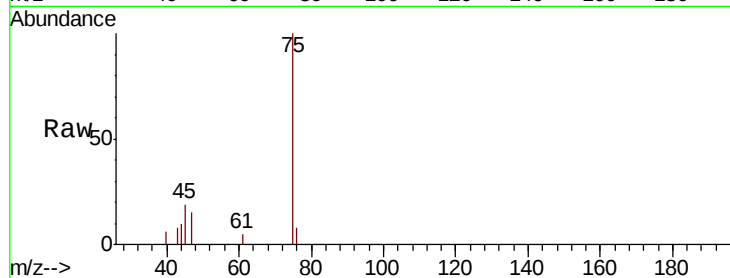




#25
2-Butanone
Concen: 0.302 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN056870.D
Acq: 23 Jul 2019 9:51

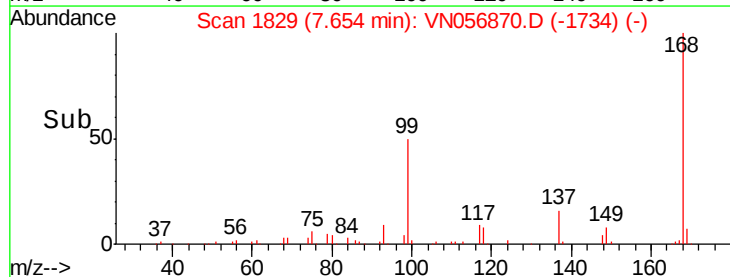
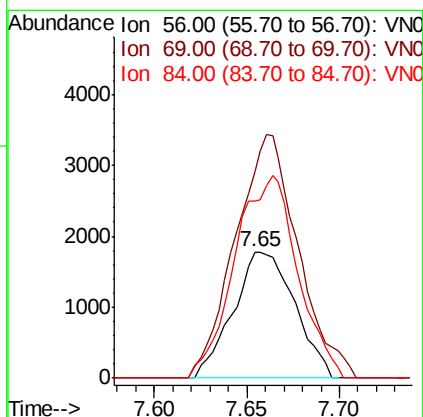
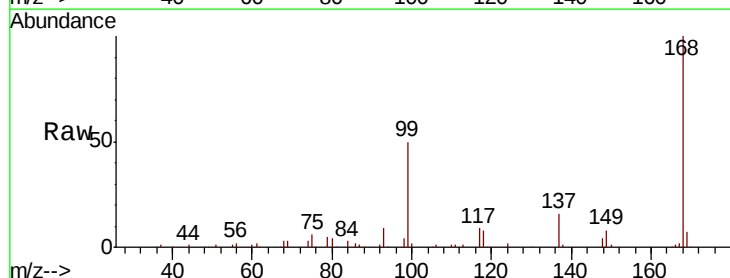
Instrument :
MSVOA_N
ClientSampleId :
VN0723WBL01

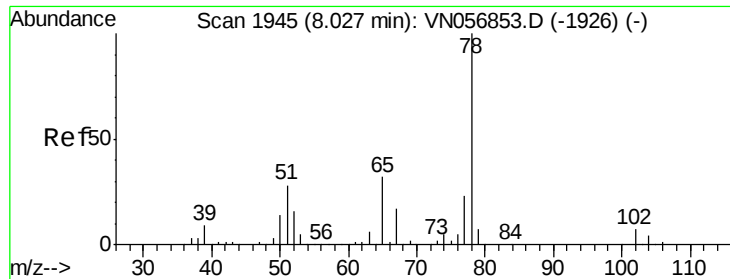
Tot Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#31
Cyclohexane
Concen: 0.923 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN056870.D
Acq: 23 Jul 2019 9:51

Tgt Ion: 56 Resp: 4108
Ion Ratio Lower Upper
56 100
69 163.1 25.5 38.3#
84 140.0 67.3 100.9#

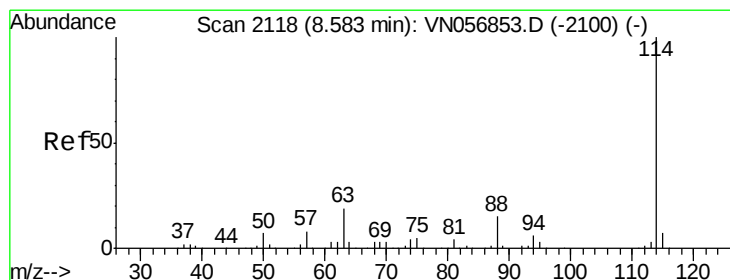
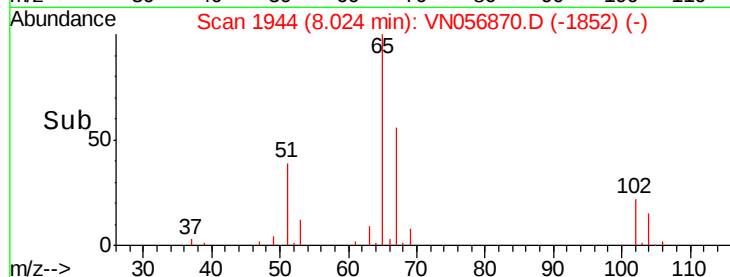
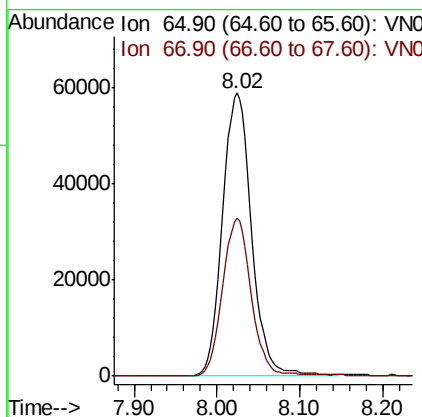
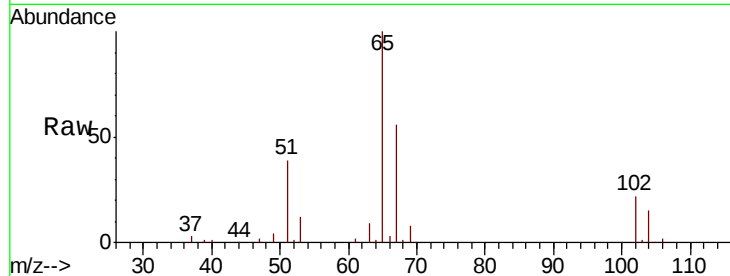




#33
 1,2-Dichloroethane-d4
 Concen: 54.756 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056870.D
 Acq: 23 Jul 2019 9:51

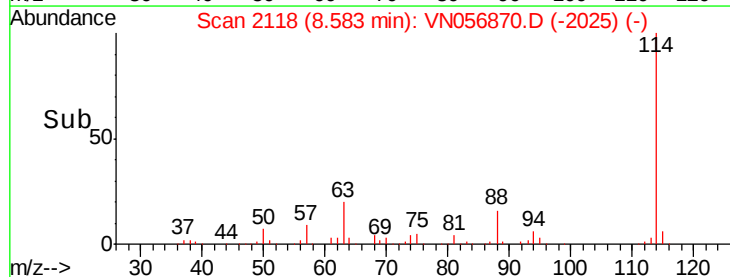
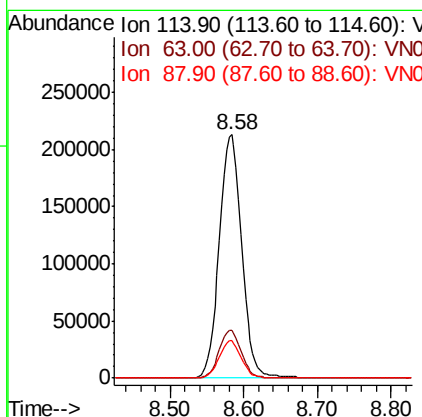
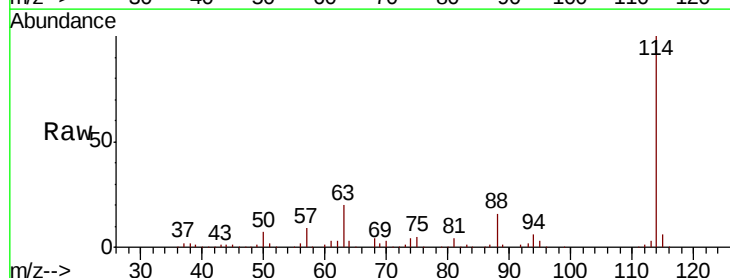
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBL01

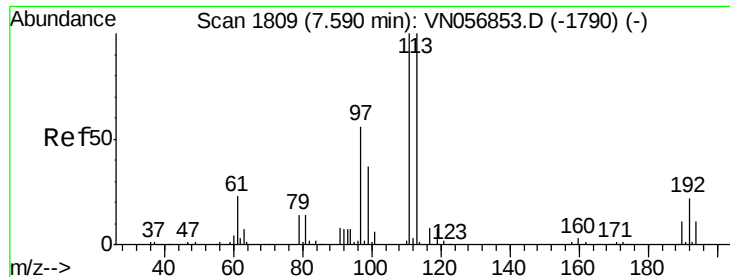
Tot Ion: 65 Resp: 143407
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056870.D
 Acq: 23 Jul 2019 9:51

Tgt Ion: 114 Resp: 452149
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.8
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.902 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBL01

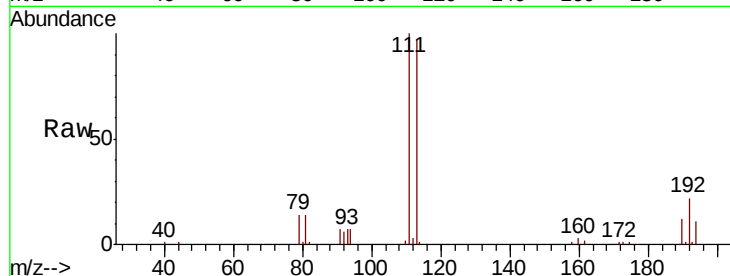
Tot Ion:113 Resp: 137280

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

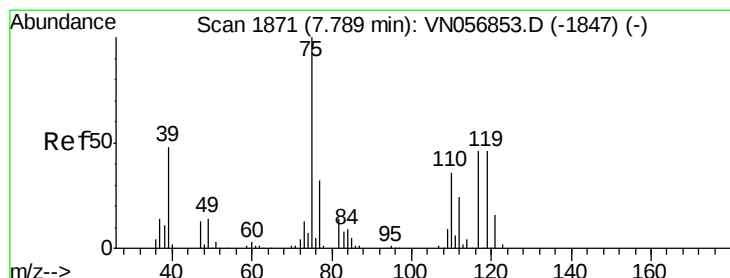
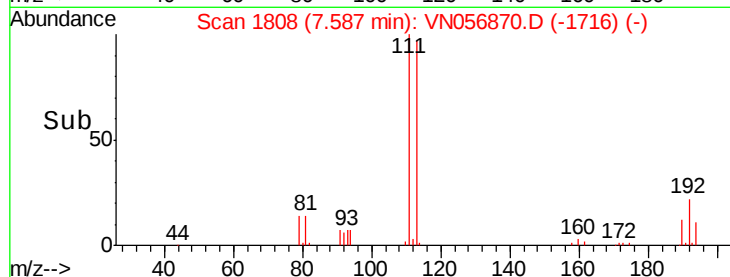
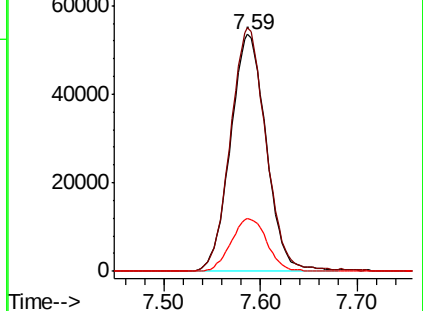
192 22.3 18.5 27.7



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: 3.832 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

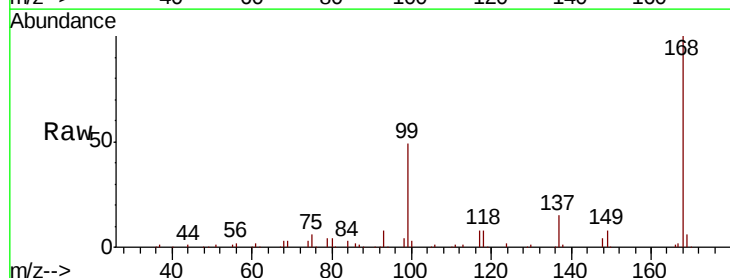
Tgt Ion: 75 Resp: 15978

Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.7#

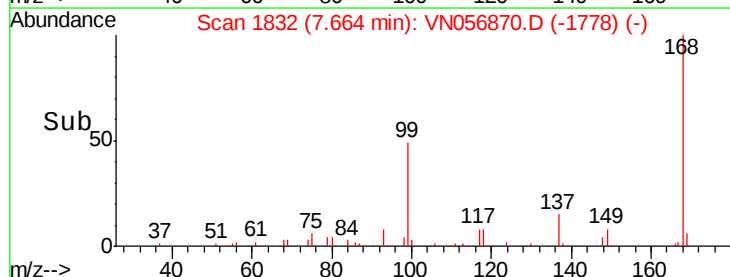
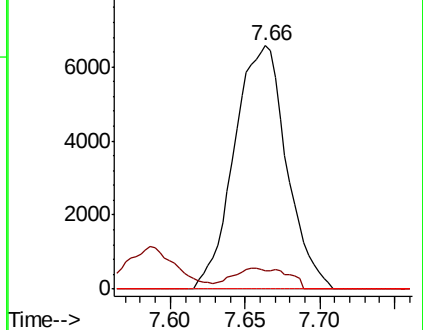
77 0.0 25.0 37.6#

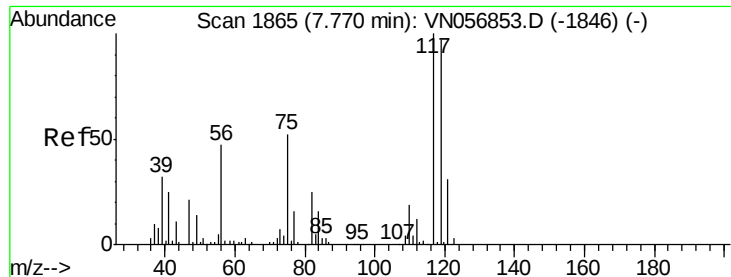


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.422 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

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MSVOA_N

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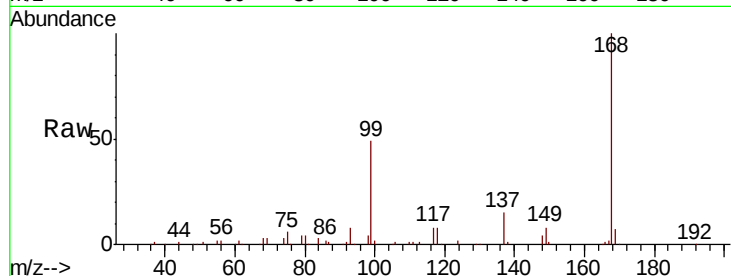
Tot Ion:117 Resp: 21524

Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

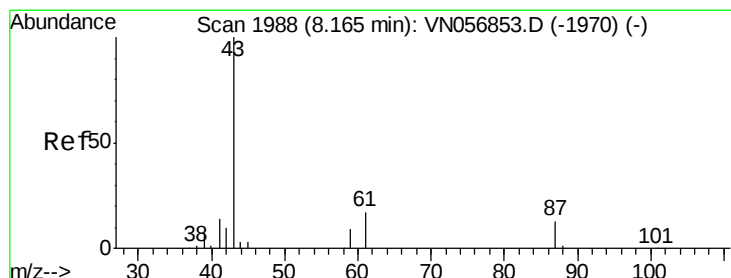
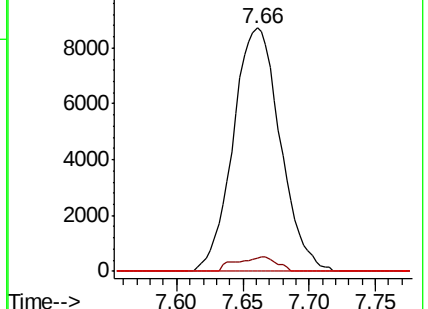
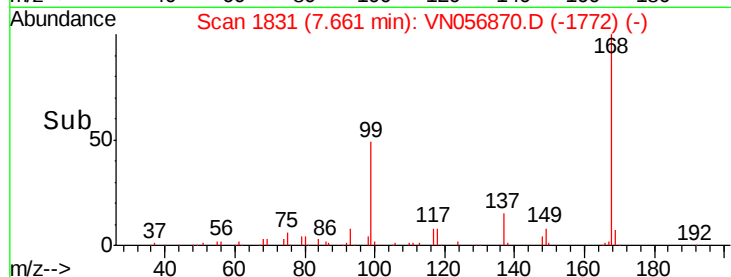
121 0.0 24.5 36.7#



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: 2.026 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

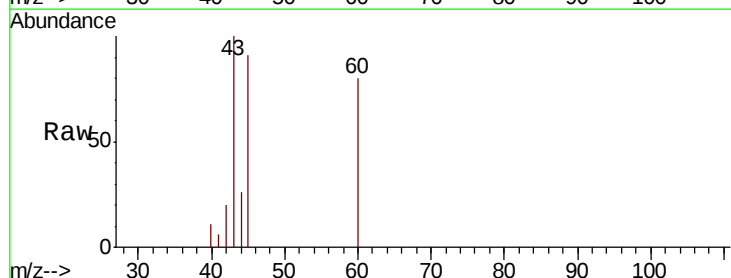
Tgt Ion: 43 Resp: 11710

Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

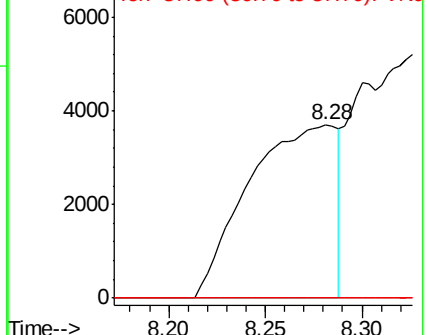
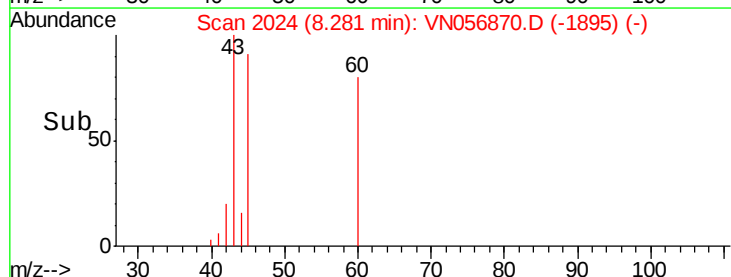
87 0.0 11.0 16.4#

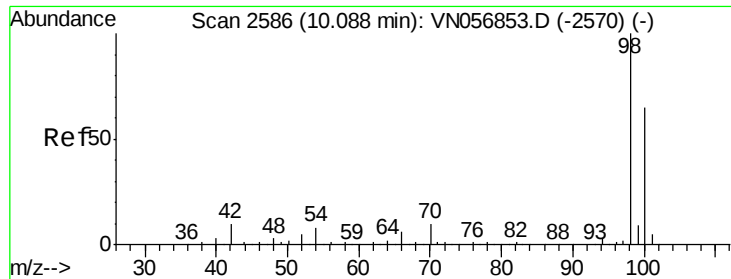


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 51.643 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

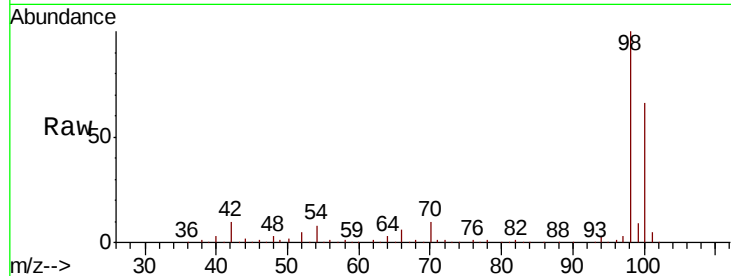
VN0723WBL01

Tot Ion: 98 Resp: 566218

Ion Ratio Lower Upper

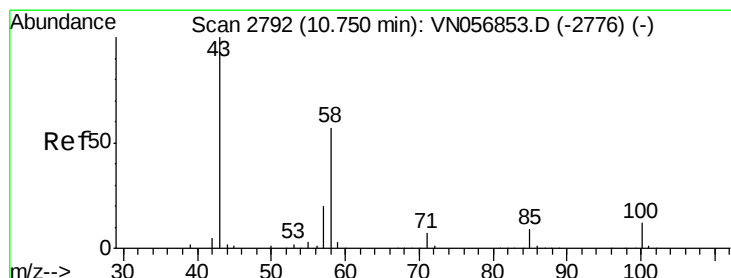
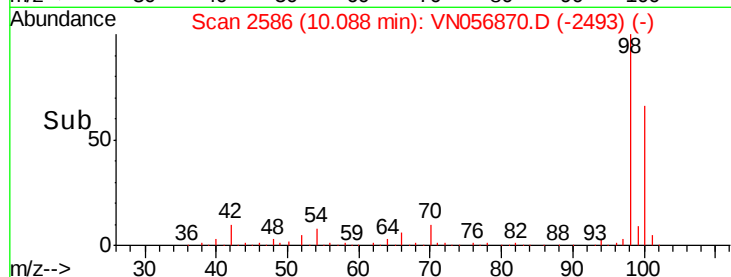
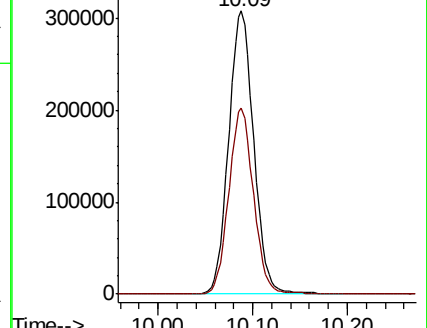
98 100

100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 0.515 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN056870.D

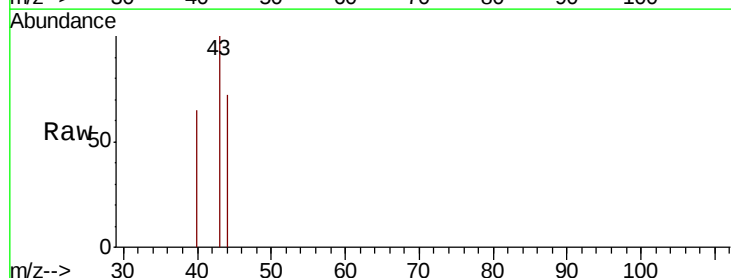
Acq: 23 Jul 2019 9:51

Tgt Ion: 43 Resp: 1228

Ion Ratio Lower Upper

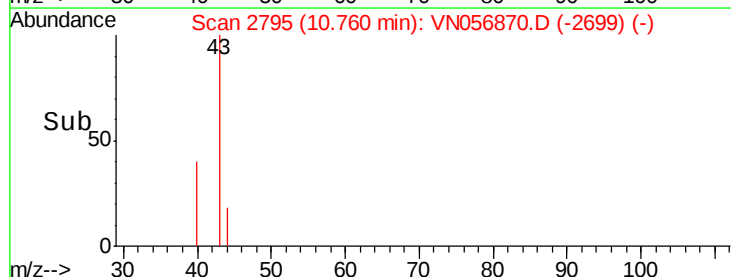
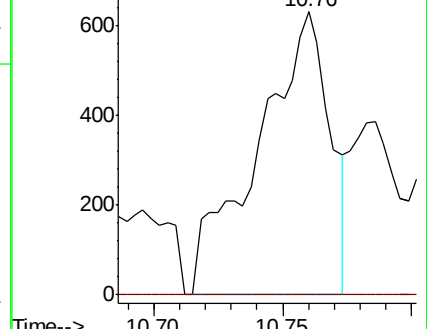
43 100

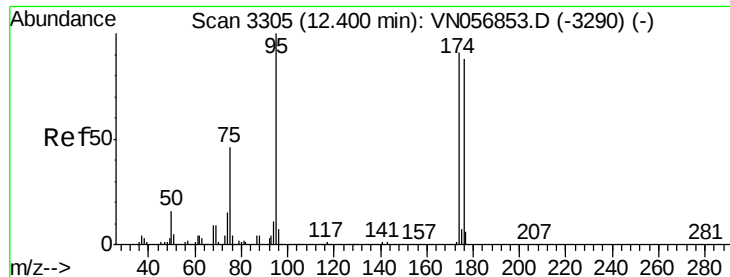
58 0.0 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 54.463 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBL01

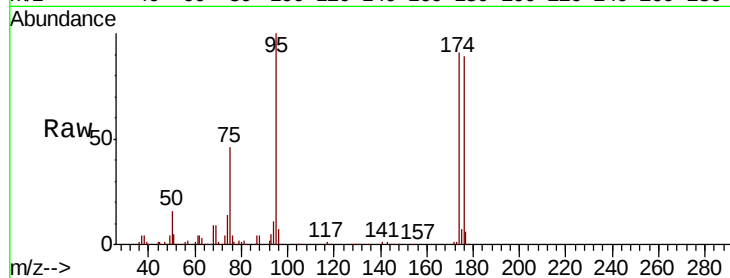
Tot Ion: 95 Resp: 195419

Ion Ratio Lower Upper

95 100

174 91.0 0.0 183.4

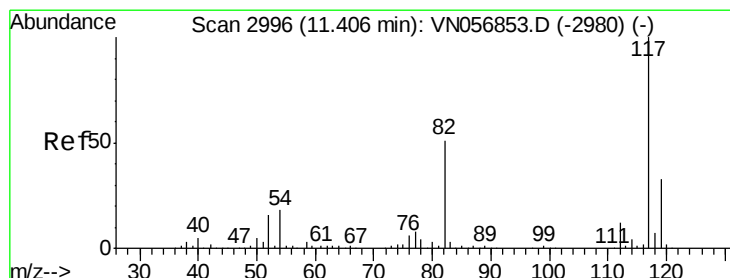
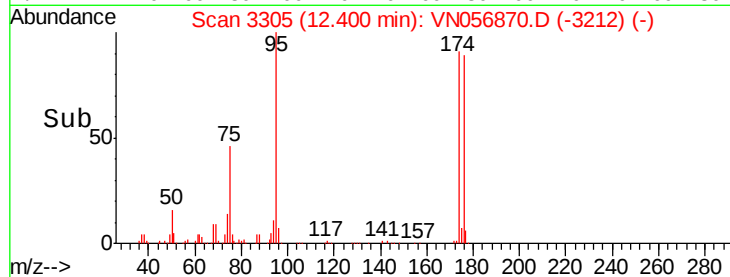
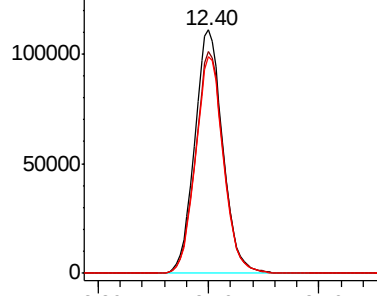
176 88.3 0.0 175.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

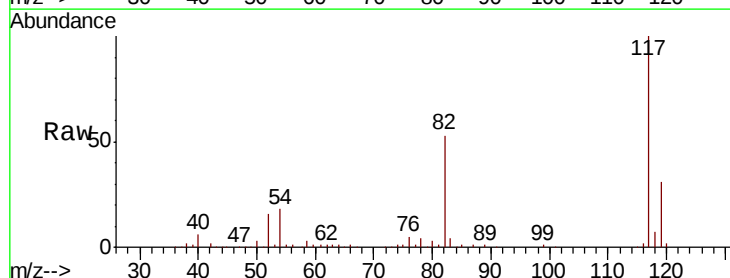
Tgt Ion: 117 Resp: 477203

Ion Ratio Lower Upper

117 100

82 52.5 41.2 61.8

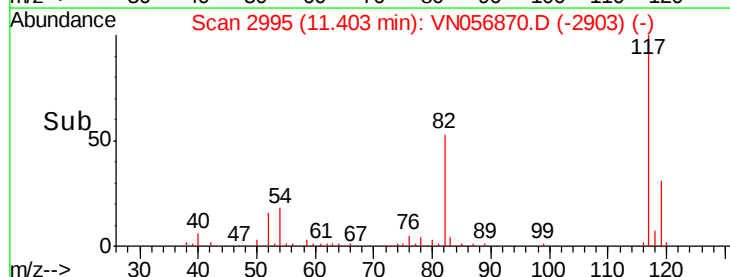
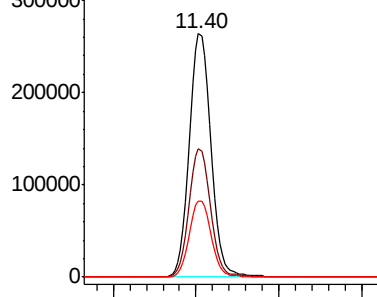
119 31.4 26.4 39.6

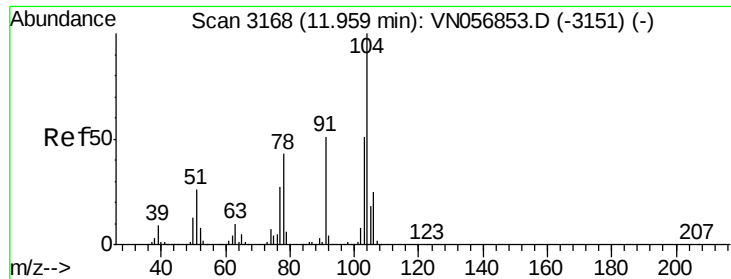


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V

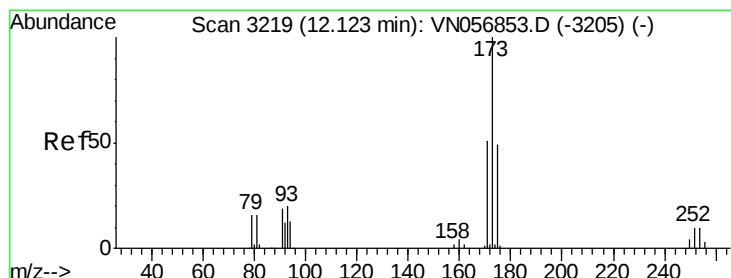
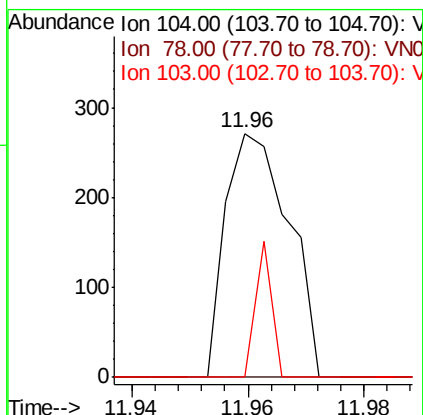
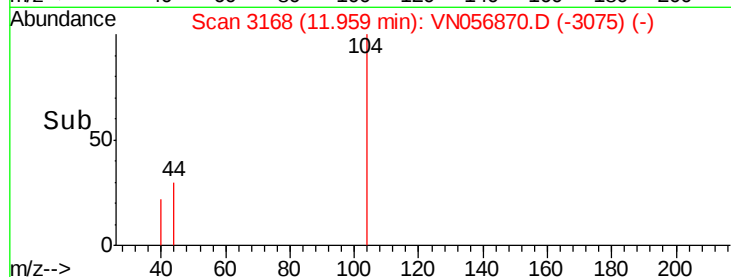
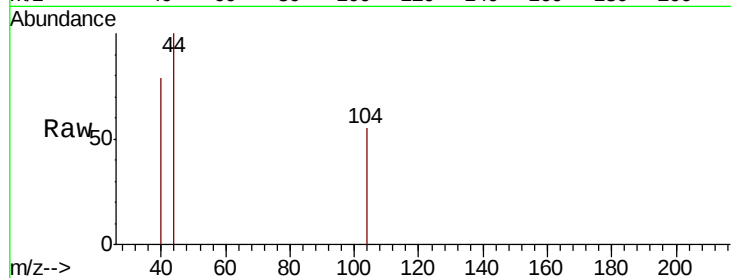




#70
Stvrene
Concen: 0.538 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056870.D
Acq: 23 Jul 2019 9:51

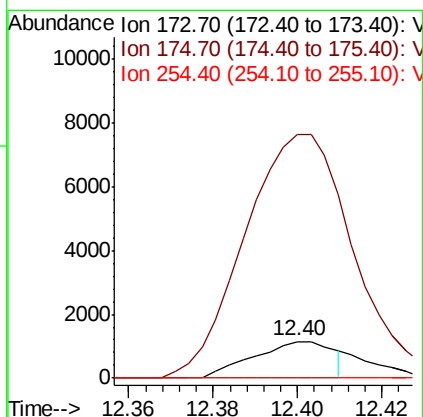
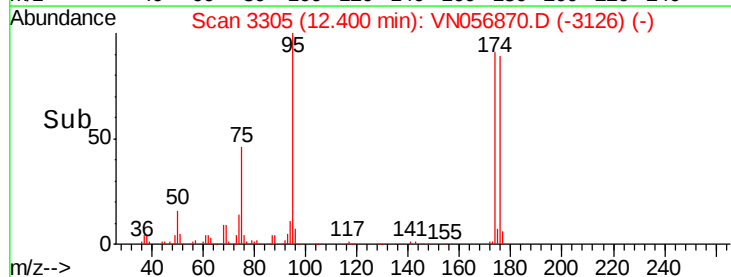
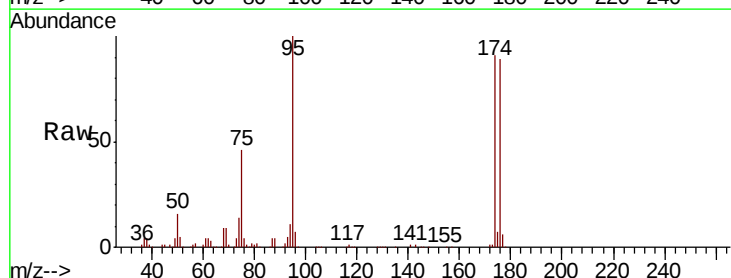
Instrument :
MSVOA_N
ClientSampleId :
VN0723WBL01

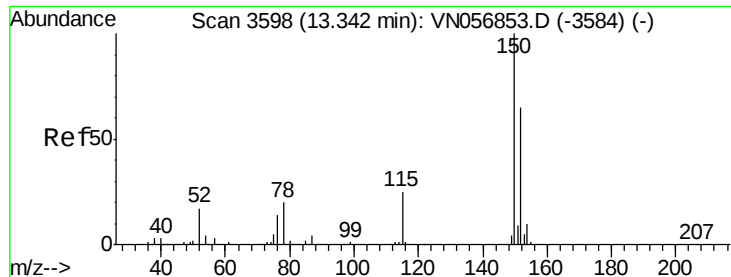
Tot Ion:104 Resp: 204
Ion Ratio Lower Upper
104 100
78 0.0 38.1 57.1#
103 14.2 44.2 66.4#



#71
Bromoform
Concen: 0.586 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN056870.D
Acq: 23 Jul 2019 9:51

Tgt Ion:173 Resp: 1519
Ion Ratio Lower Upper
173 100
175 740.8 24.1 72.3#
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: VN056870.D

Acq: 23 Jul 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBL01

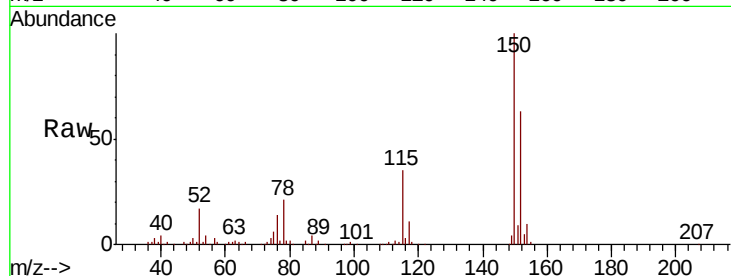
Tot Ion:152 Resp: 151384

Ion Ratio Lower Upper

152 100

115 55.1 27.6 82.7

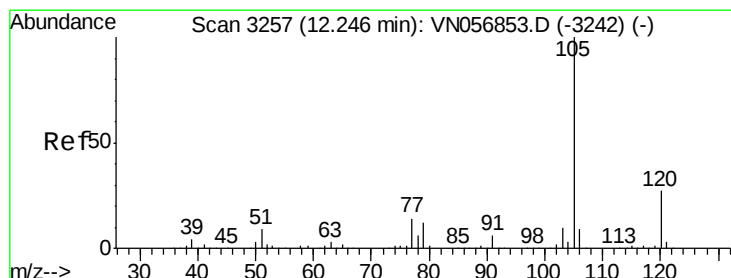
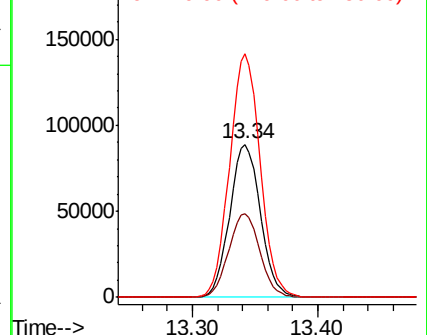
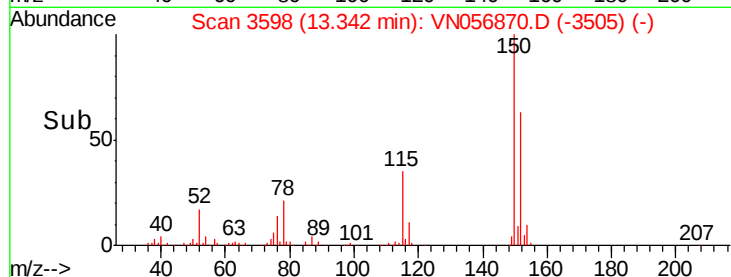
150 157.8 0.0 343.0



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056870.D

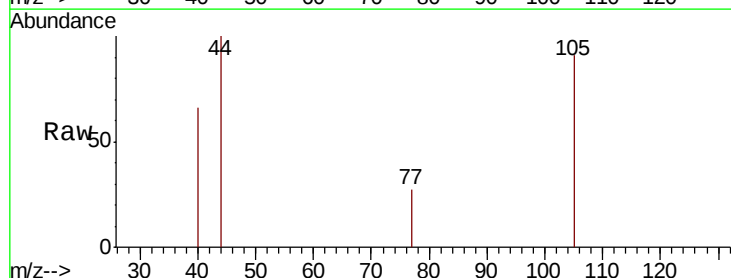
Acq: 23 Jul 2019 9:51

Tgt Ion:105 Resp: 784

Ion Ratio Lower Upper

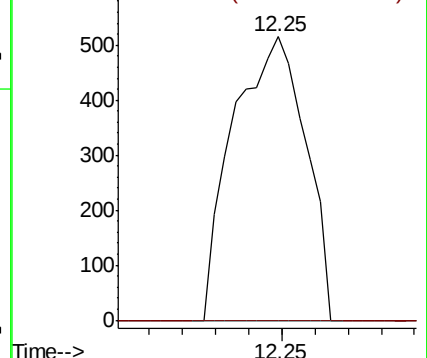
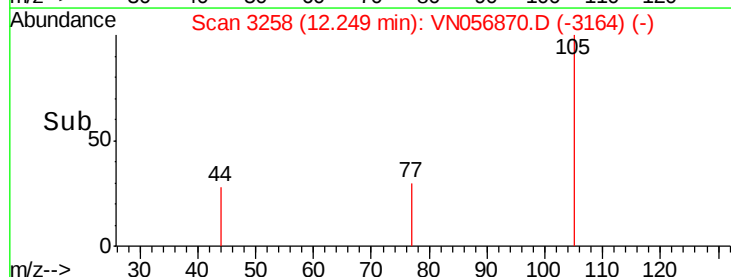
105 100

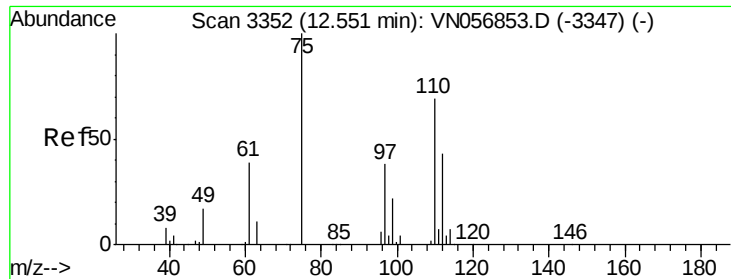
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

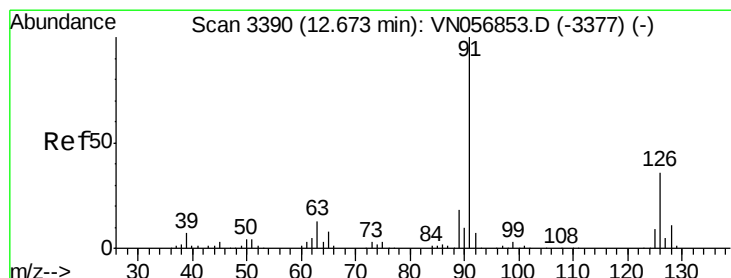
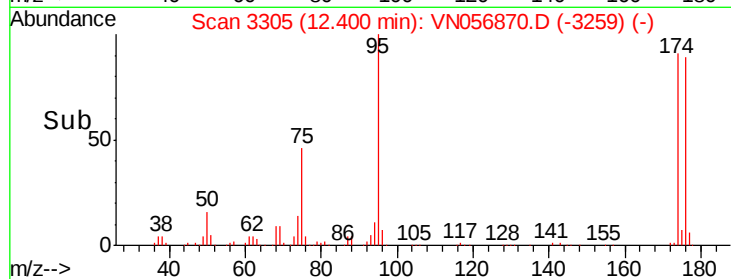
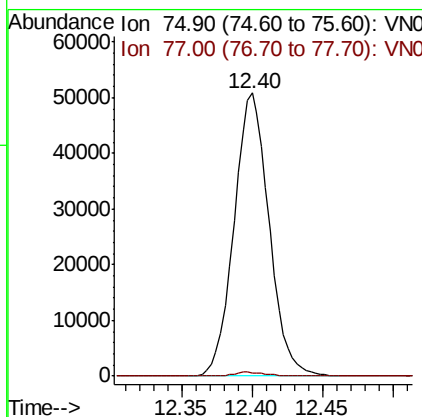
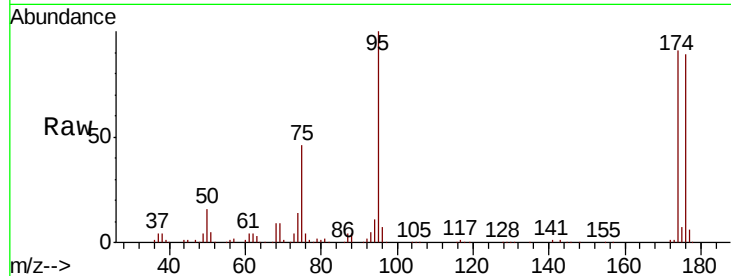




#76
 1,2,3-Trichloropropane
 Concen: 28.159 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056870.D
 Acq: 23 Jul 2019 9:51

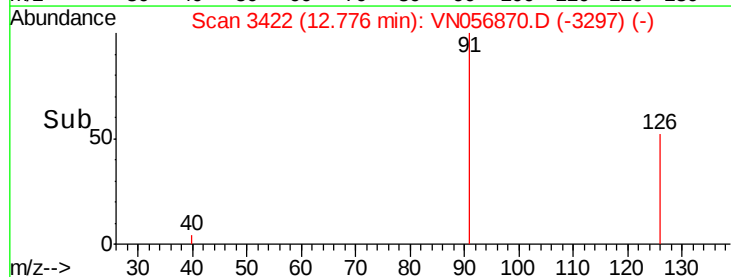
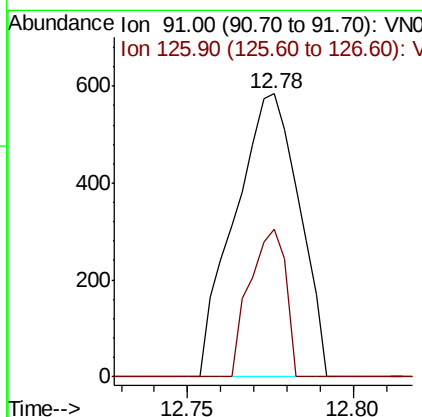
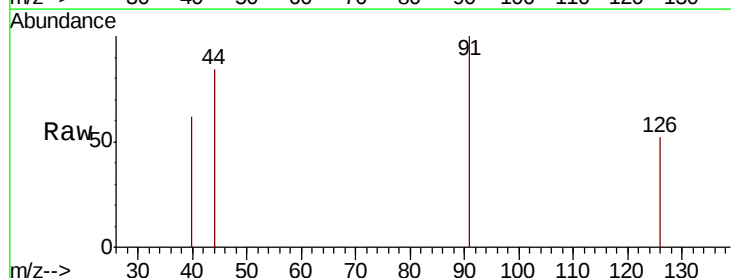
Instrument :
 MSVOA_N
 ClientSampled :
 VN0723WBL01

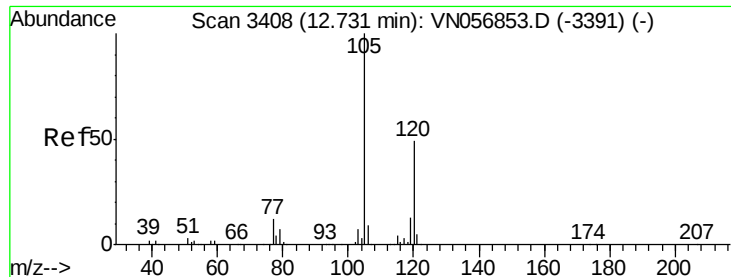
Tot Ion: 75 Resp: 88343
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.10 min
 Lab File: VN056870.D
 Acq: 23 Jul 2019 9:51

Tgt Ion: 91 Resp: 790
 Ion Ratio Lower Upper
 91 100
 126 29.1 17.8 53.5





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

Instrument :

MSVOA_N

ClientSampled :

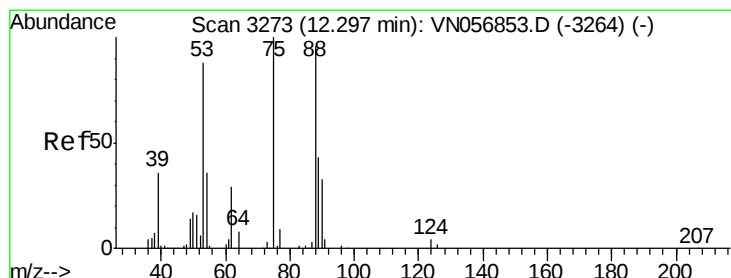
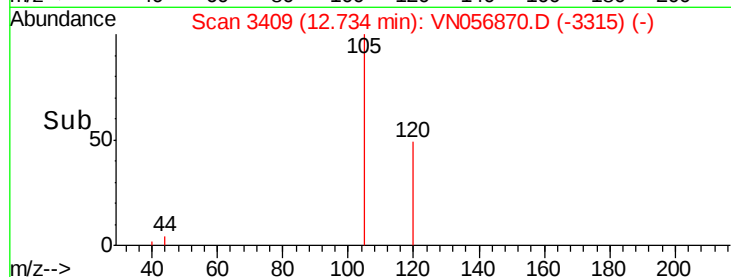
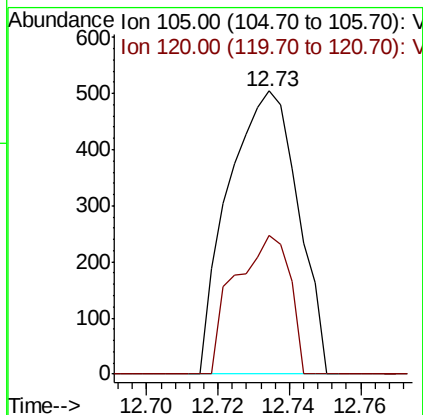
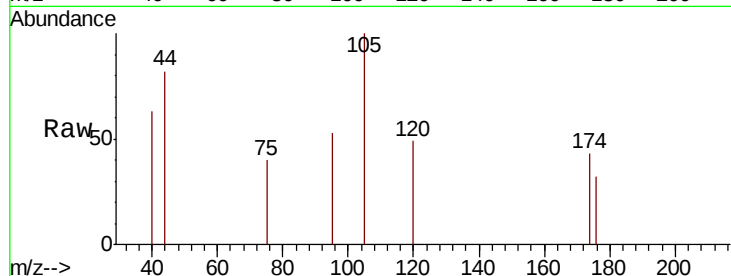
VN0723WBL01

Tot Ion:105 Resp: 678

Ion Ratio Lower Upper

105 100

120 38.8 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 90.188 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

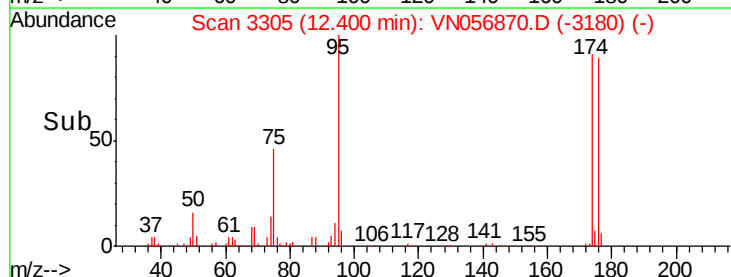
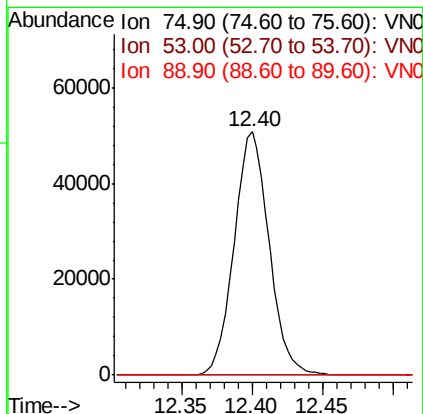
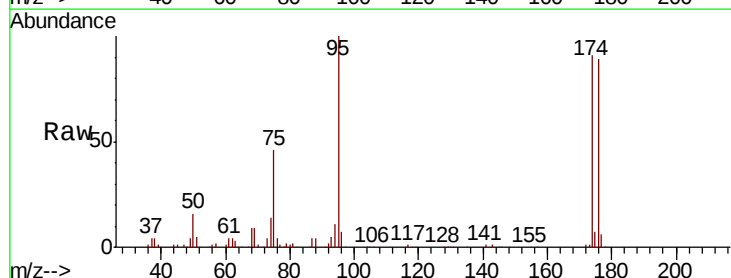
Tgt Ion: 75 Resp: 88343

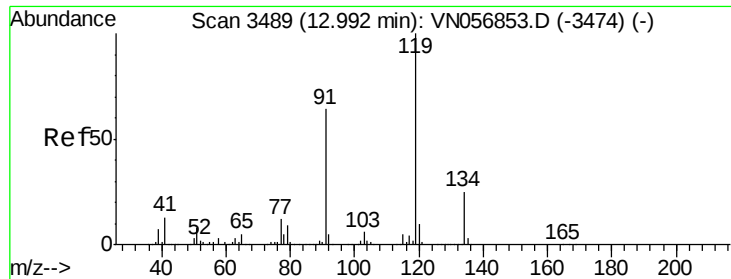
Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 36.2 54.4#

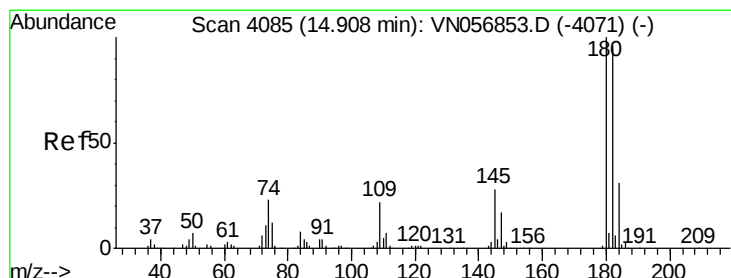
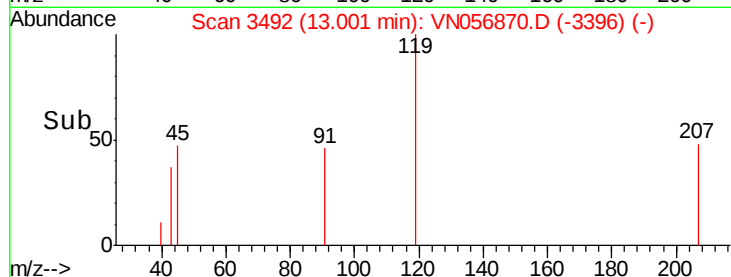
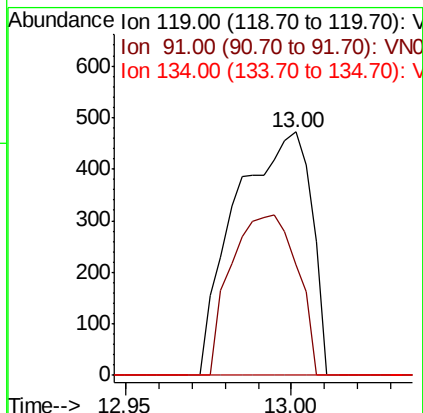
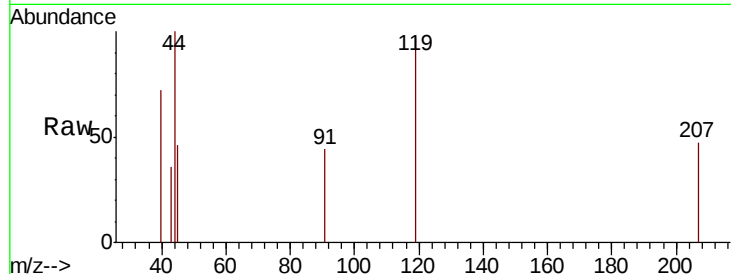




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.01 min
 Lab File: VN056870.D
 Acq: 23 Jul 2019 9:51

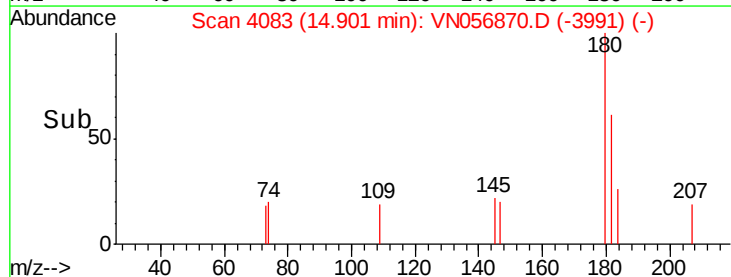
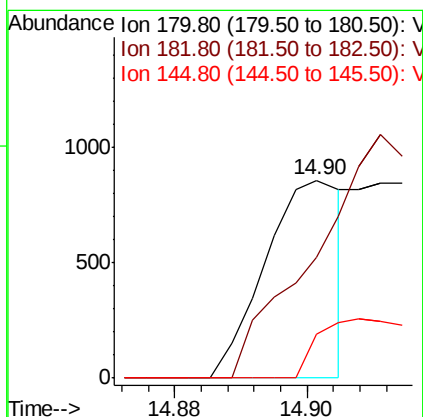
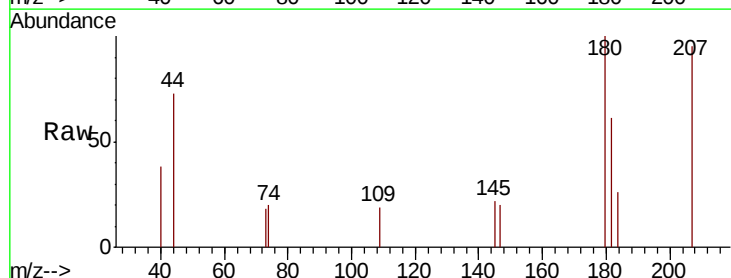
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBL01

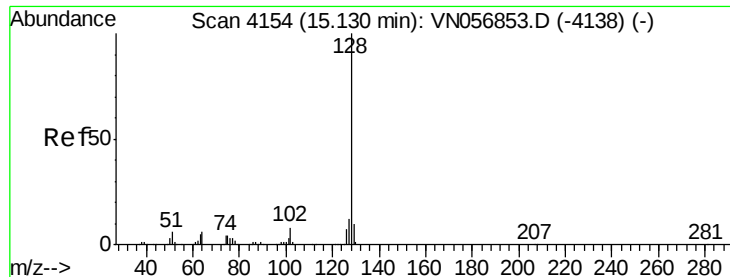
Tot Ion:119 Resp: 750
 Ion Ratio Lower Upper
 119 100
 91 57.2 31.5 94.5
 134 0.0 12.2 36.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.353 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: VN056870.D
 Acq: 23 Jul 2019 9:51

Tgt Ion:180 Resp: 695
 Ion Ratio Lower Upper
 180 100
 182 186.6 47.9 143.7#
 145 37.1 14.1 42.3





#95

Naphthalene

Concen: 4.099 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBL01

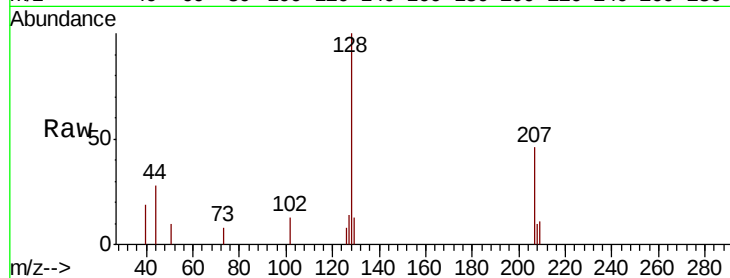
Tot Ion:128 Resp: 3756

Ion Ratio Lower Upper

128 100

127 9.5 10.2 15.2#

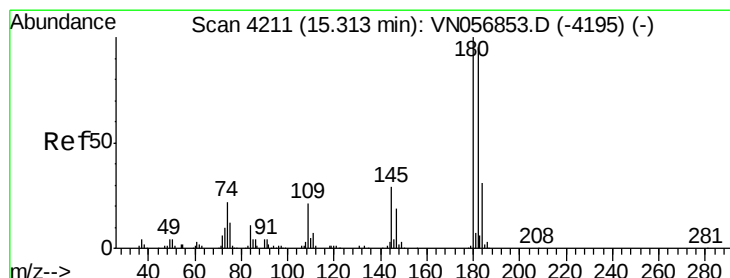
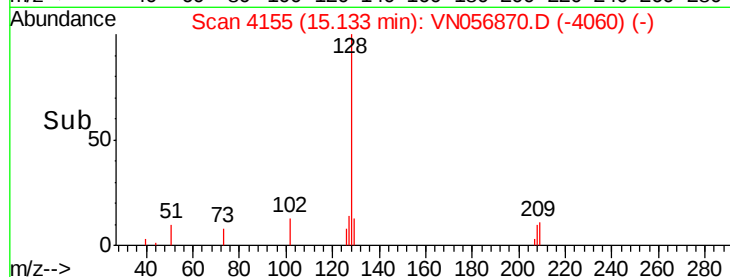
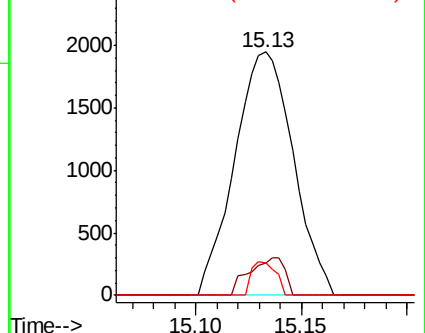
129 5.8 8.5 12.7#



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: 3.141 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056870.D

Acq: 23 Jul 2019 9:51

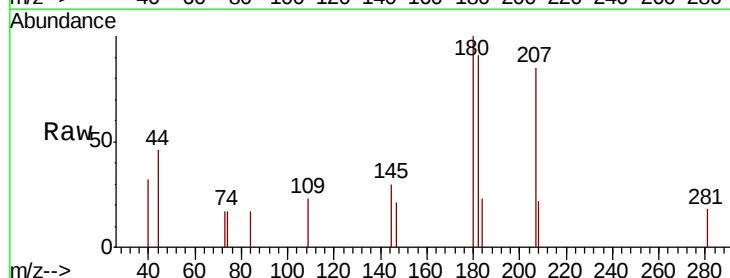
Tgt Ion:180 Resp: 2061

Ion Ratio Lower Upper

180 100

182 85.5 48.1 144.3

145 24.1 14.7 44.1



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

