

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056565.D
 Acq On : 1 Jul 2019 12:27
 Operator : JC/SP
 Sample : VN0701WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBL01

Quant Time: Jul 02 01:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

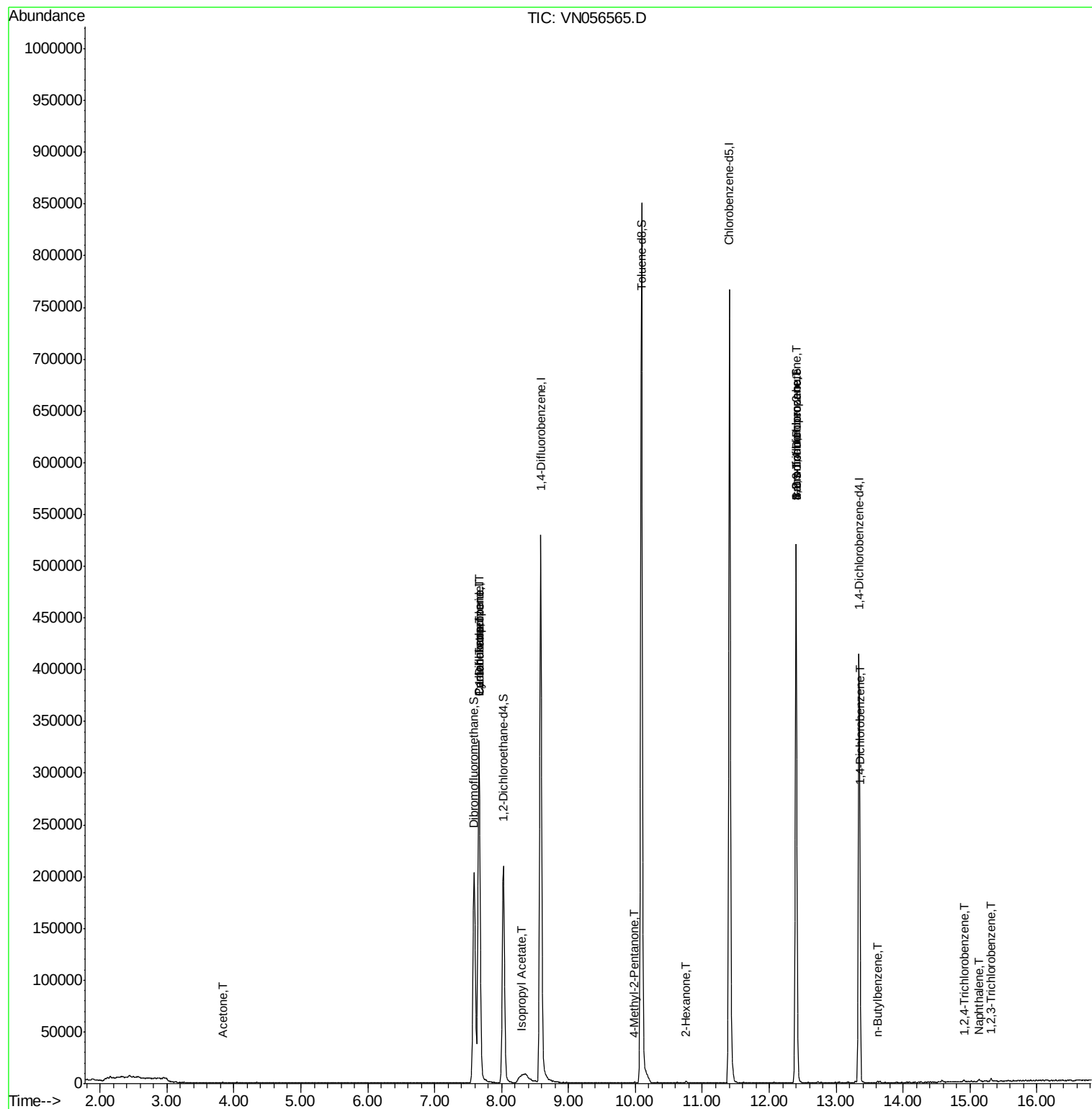
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	297802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	513543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	495098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122895	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	182780	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
35) Dibromofluoromethane	7.59	113	159318	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.09	98	643065	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.40	95	187679	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	931	0.563	ug/l	97
18) Methyl Acetate	4.34	43	1659	Below Cal	#	51
20) Methylene Chloride	4.55	84	29	Below Cal	#	66
31) Cyclohexane	7.66	56	4996	0.980	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19761	4.372	ug/l #	50
38) Carbon Tetrachloride	7.66	117	26081	6.598	ug/l #	15
43) Isopropyl Acetate	8.29	43	7346	1.072	ug/l #	54
51) 4-Methyl-2-Pentanone	9.99	43	1351	0.306	ug/l #	35
59) 2-Hexanone	10.76	43	1810	0.557	ug/l	69
71) Bromoform	12.40	173	1520	3.668	ug/l #	1
73) Isopropylbenzene	12.25	105	518	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	88958	34.909	ug/l #	100
79) 2-Chlorotoluene	12.67	91	542	Below Cal	#	49
80) 1,3,5-Trimethylbenzene	12.73	105	555	Below Cal	#	45
81) trans-1,4-Dichloro-2-buten	12.40	75	88958	124.073	ug/l #	8
83) tert-Butylbenzene	12.99	119	586	Below Cal	#	48
88) 1,4-Dichlorobenzene	13.36	146	905	0.224	ug/l #	1
89) n-Butylbenzene	13.62	91	1301	0.202	ug/l #	65
93) 1,2,4-Trichlorobenzene	14.91	180	1000	6.027	ug/l #	83
94) Hexachlorobutadiene	15.01	225	209	Below Cal	#	29
95) Naphthalene	15.14	128	3102	5.738	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.32	180	1559	5.118	ug/l #	50

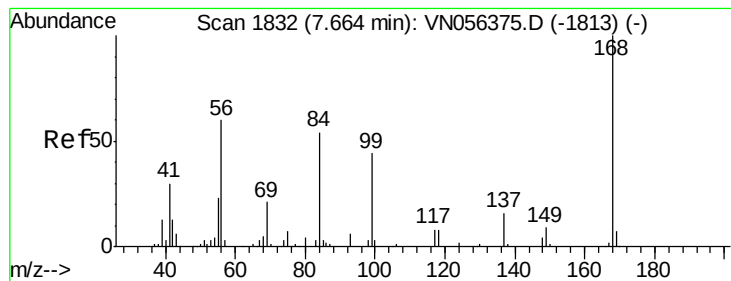
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070119\
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBL01

Quant Time: Jul 02 01:06:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 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: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

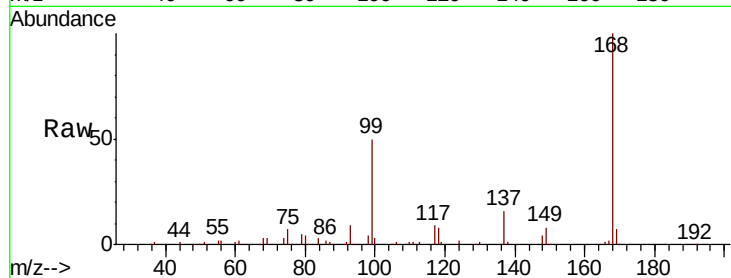
VN0701WBL01

Tot Ion:168 Resp: 297802

Ion Ratio Lower Upper

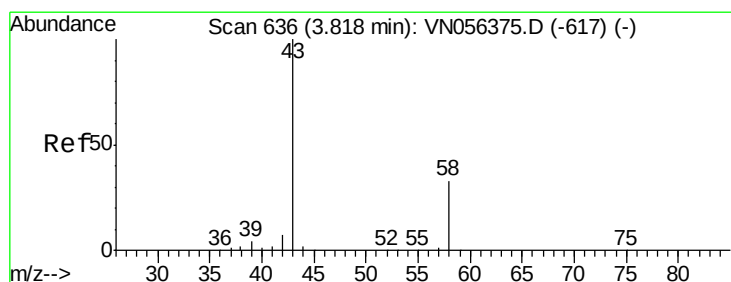
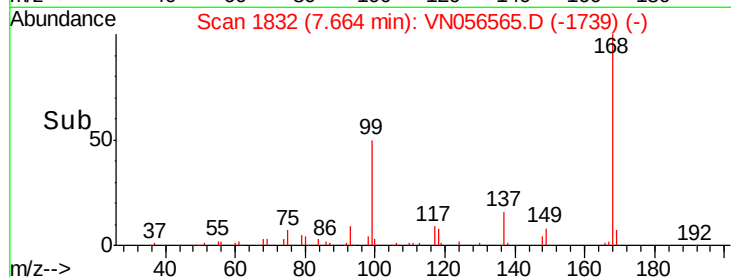
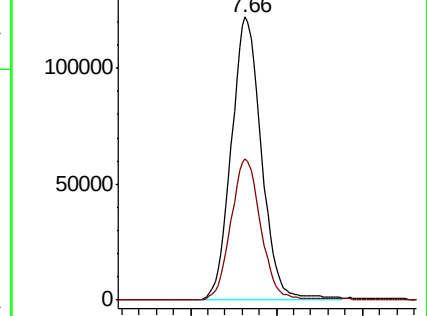
168 100

99 49.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 0.563 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056565.D

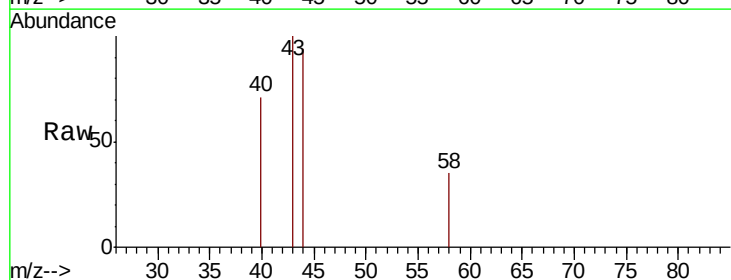
Acq: 1 Jul 2019 12:27

Tgt Ion: 43 Resp: 931

Ion Ratio Lower Upper

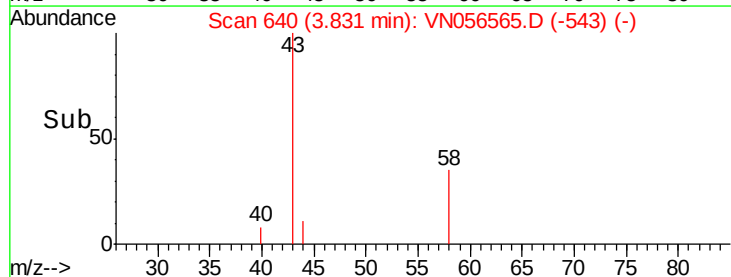
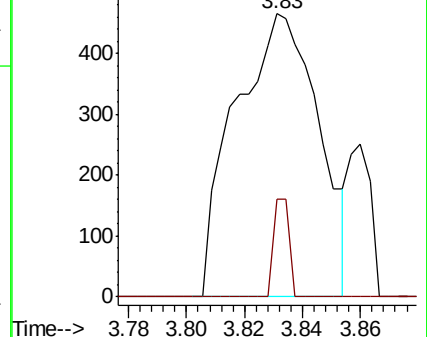
43 100

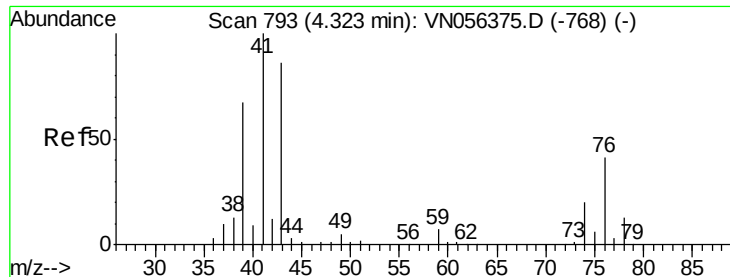
58 34.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

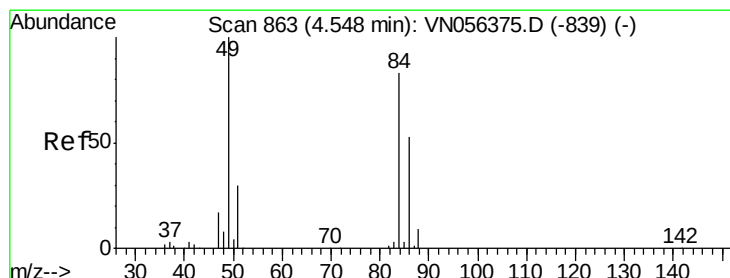
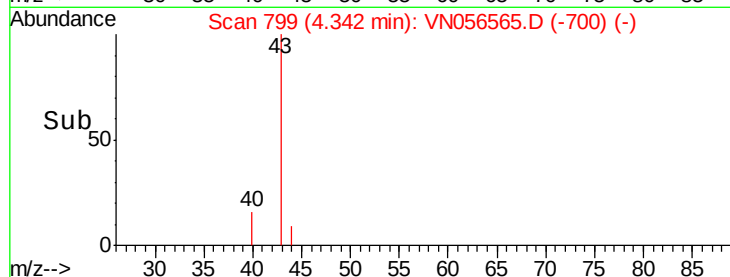
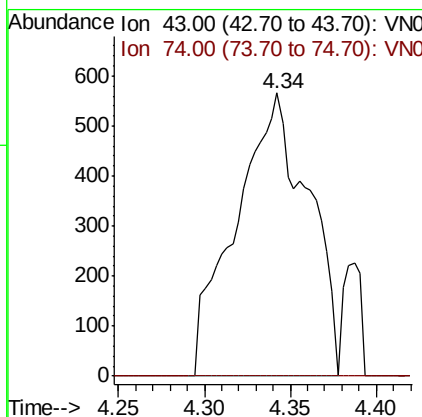
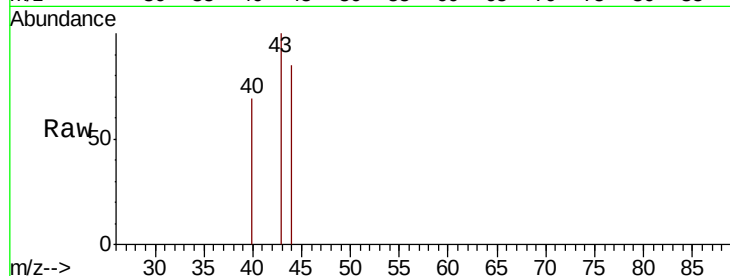




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN056565.D
Acq: 1 Jul 2019 12:27

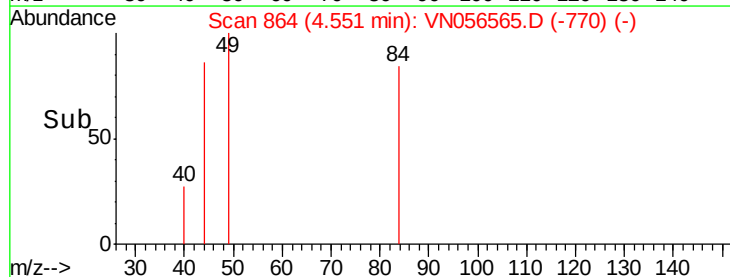
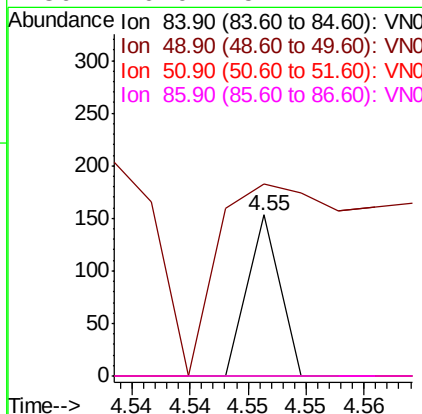
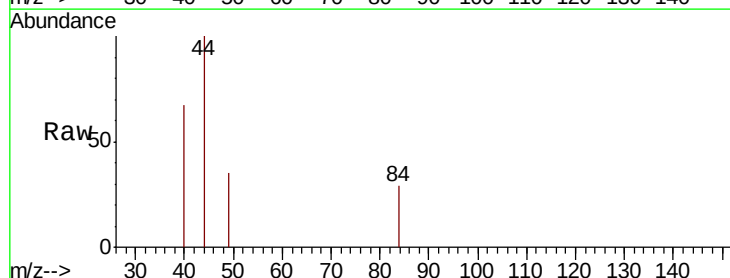
Instrument :
MSVOA_N
ClientSampled :
VN0701WBL01

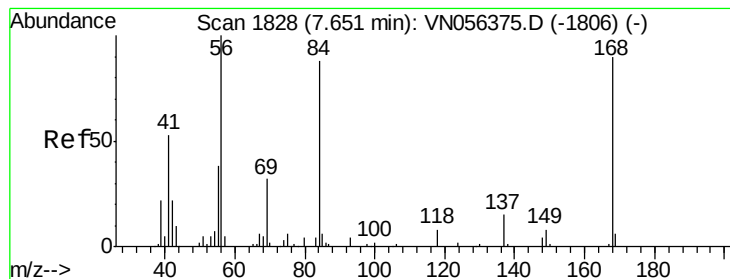
Tot Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056565.D
Acq: 1 Jul 2019 12:27

Tgt Ion: 84 Resp: 29
Ion Ratio Lower Upper
84 100
49 119.6 96.4 144.6
51 0.0 28.6 43.0#
86 0.0 51.4 77.2#





#31

Cyclohexane

Concen: 0.980 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBL01

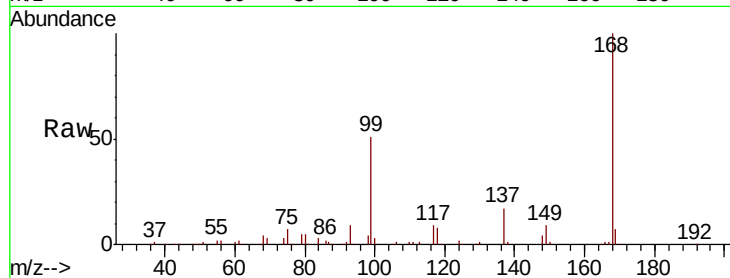
Tot Ion: 56 Resp: 4996

Ion Ratio Lower Upper

56 100

69 159.8 25.8 38.6#

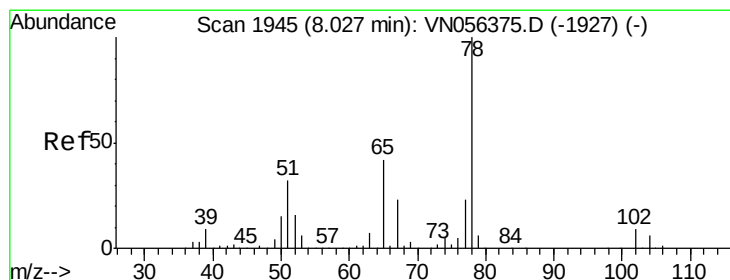
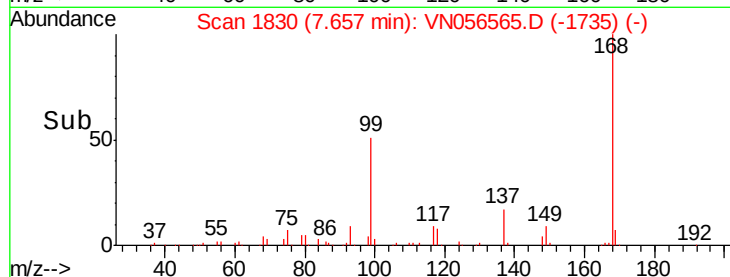
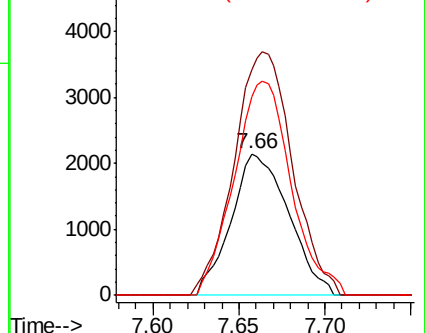
84 140.5 69.4 104.0#



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: 55.378 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056565.D

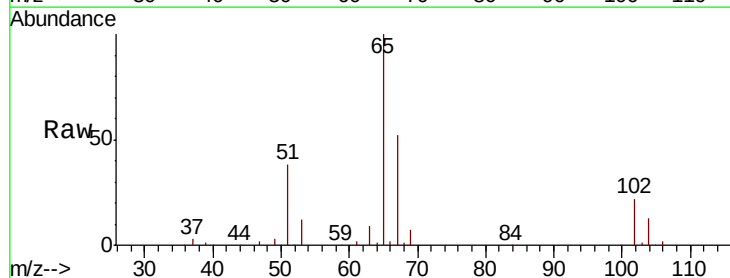
Acq: 1 Jul 2019 12:27

Tgt Ion: 65 Resp: 182780

Ion Ratio Lower Upper

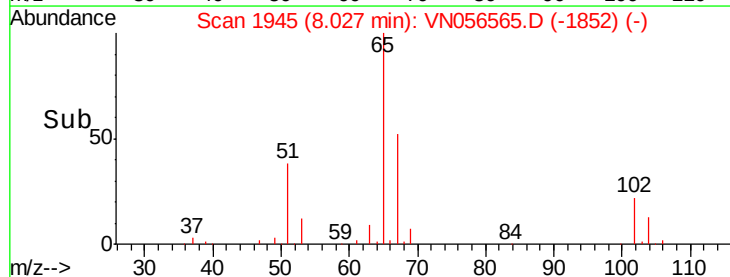
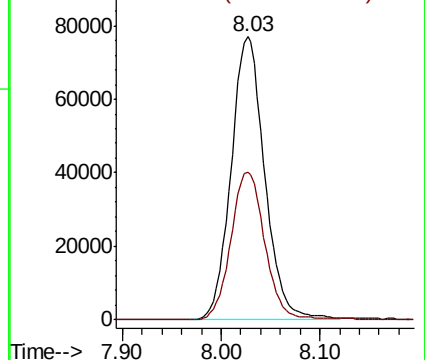
65 100

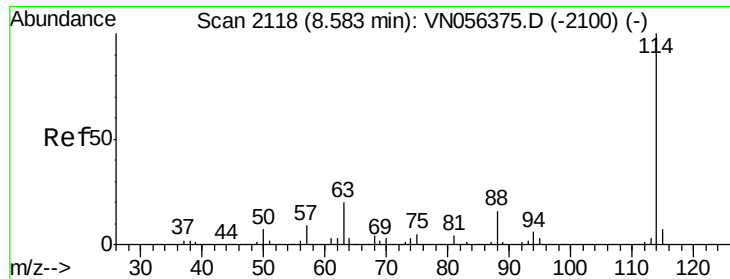
67 52.7 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

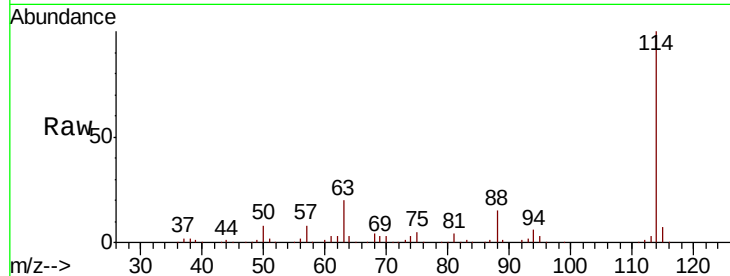




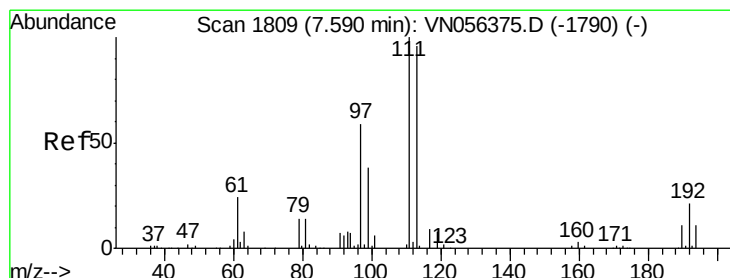
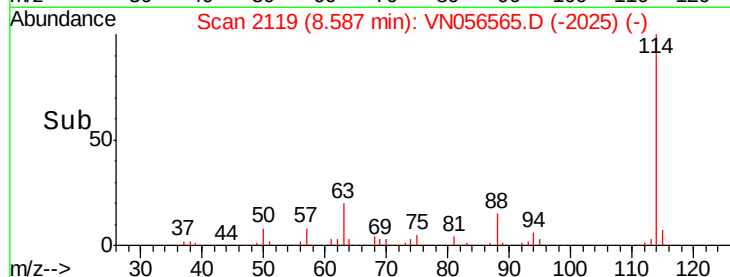
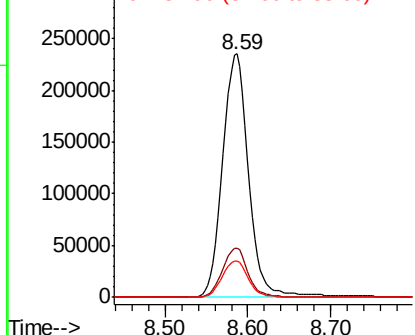
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056565.D
 Acq: 1 Jul 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBL01

Tot Ion:114 Resp: 513543
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.2
 88 15.1 0.0 31.4

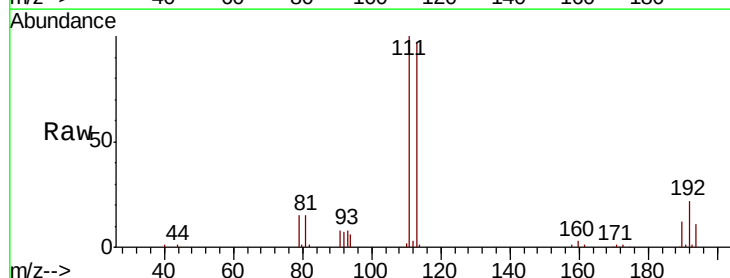


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

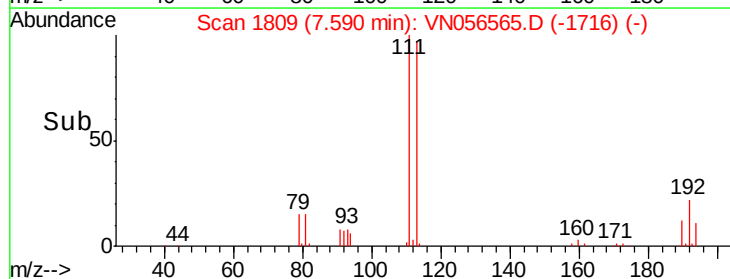
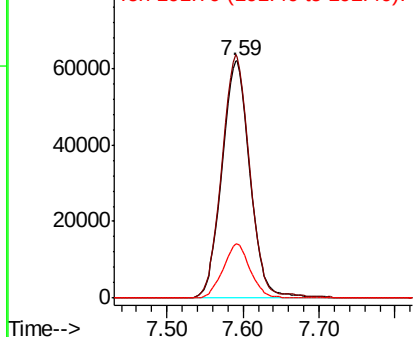


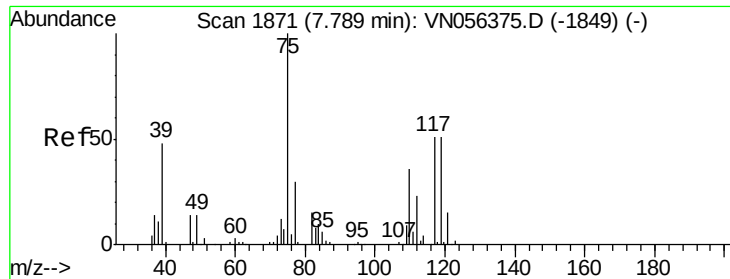
#35
 Dibromofluoromethane
 Concen: 49.730 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056565.D
 Acq: 1 Jul 2019 12:27

Tgt Ion:113 Resp: 159318
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.9 124.3
 192 22.1 17.7 26.5



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

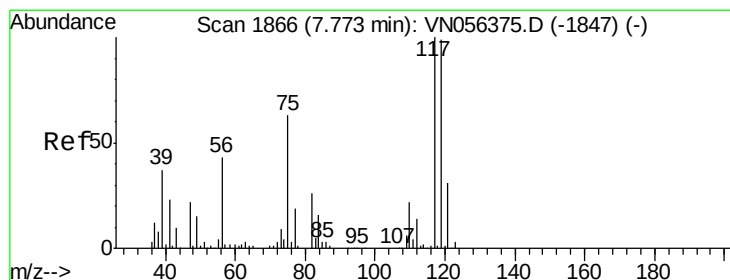
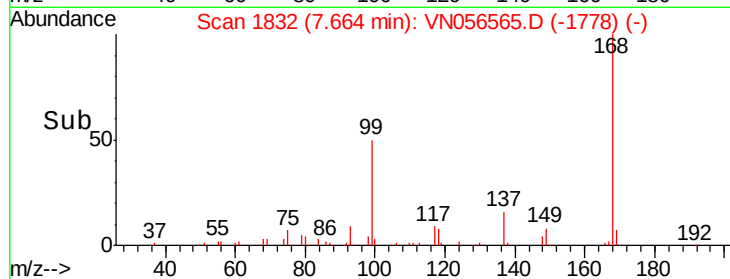
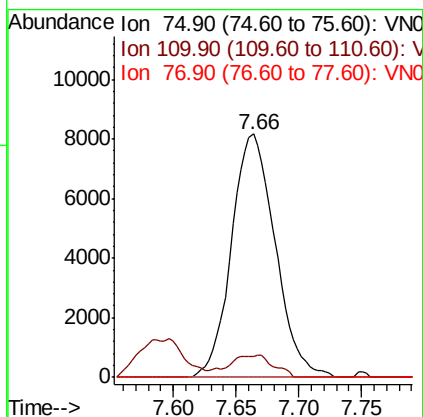
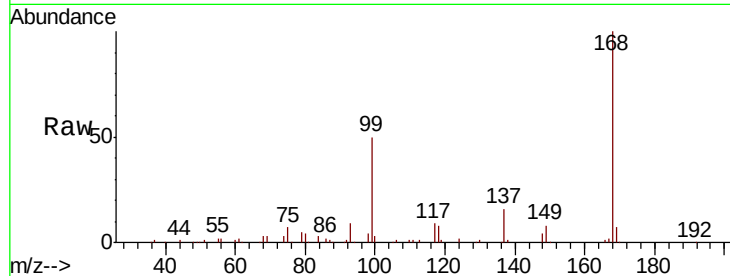




#36
 1,1-Dichloropropene
 Concen: 4.372 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056565.D
 Acq: 1 Jul 2019 12:27

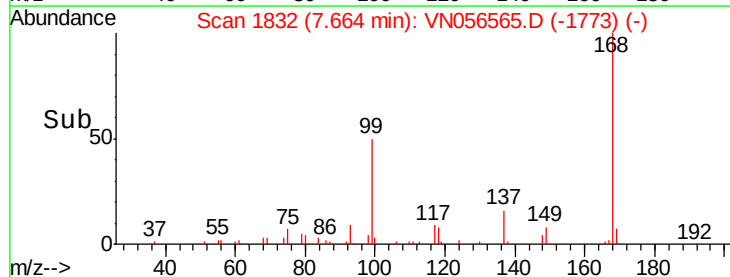
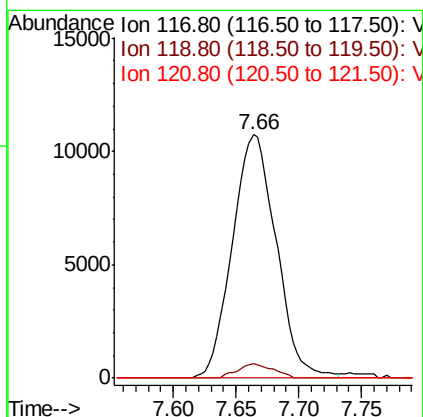
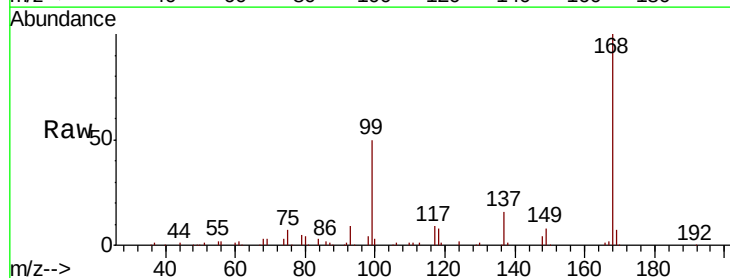
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBL01

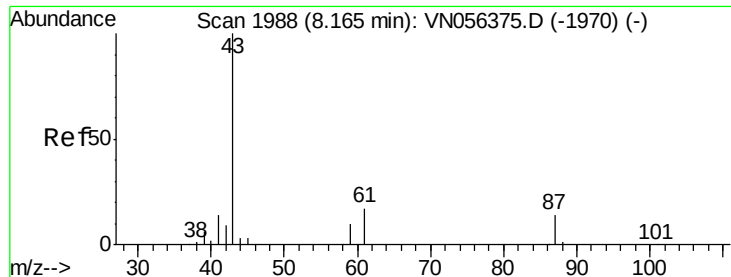
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.598 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056565.D
 Acq: 1 Jul 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	79.1	118.7#
121	0.0	24.8	37.2#





#43

Isopropyl Acetate

Concen: 1.072 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBL01

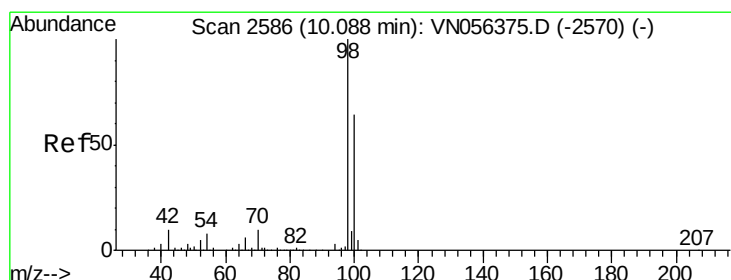
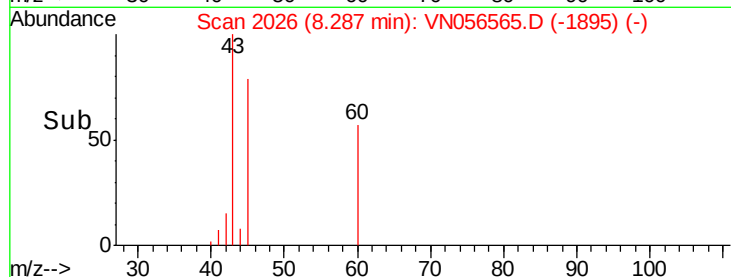
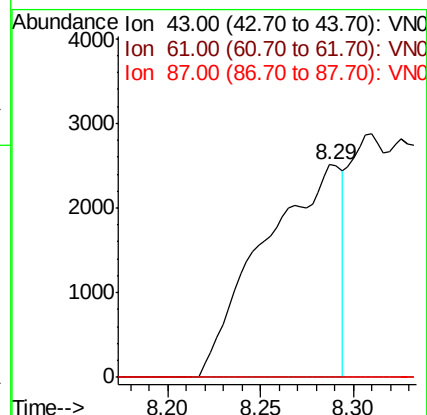
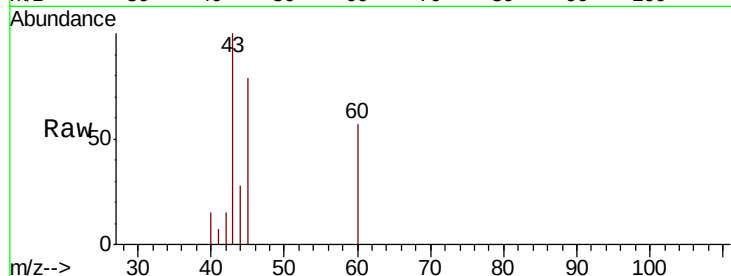
Tot Ion: 43 Resp: 7346

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

87 0.0 11.0 16.4#



#50

Toluene-d8

Concen: 51.587 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056565.D

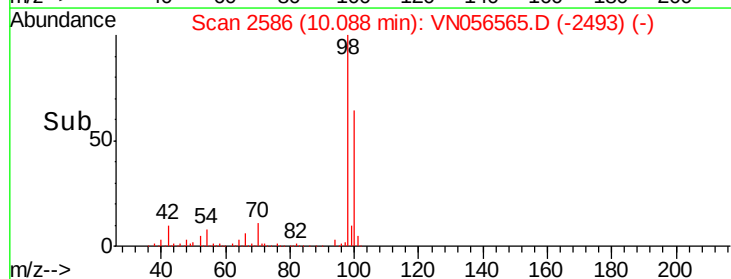
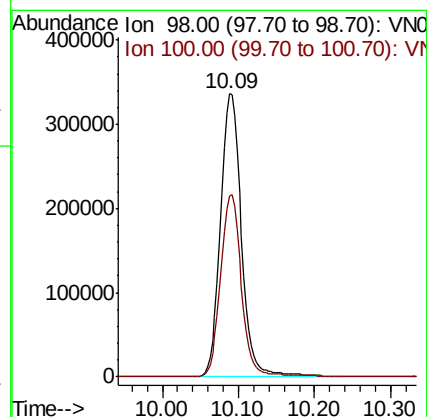
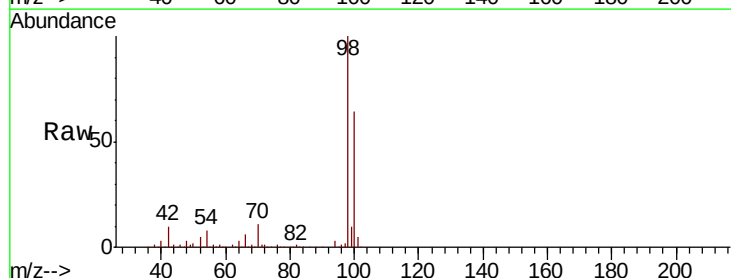
Acq: 1 Jul 2019 12:27

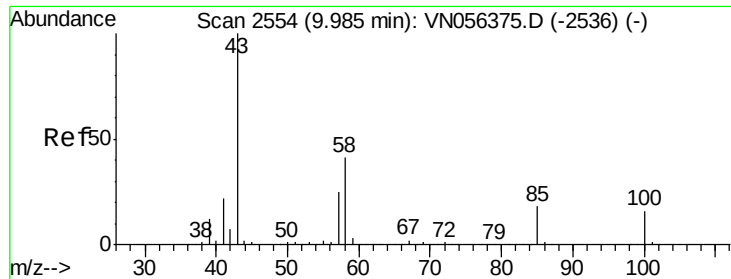
Tgt Ion: 98 Resp: 643065

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 0.306 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

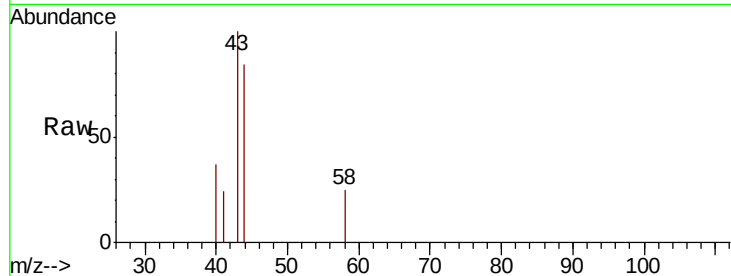
VN0701WBL01

Tot Ion: 43 Resp: 1351

Ion Ratio Lower Upper

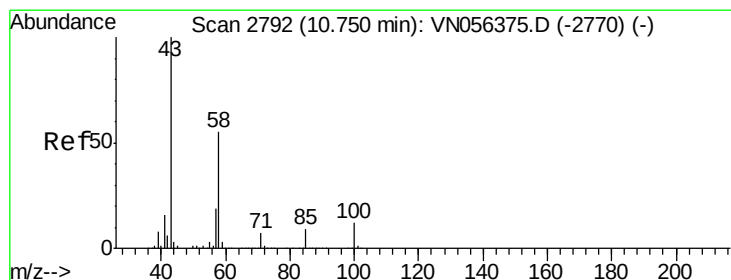
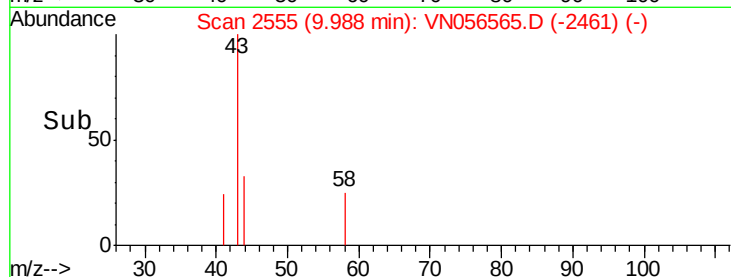
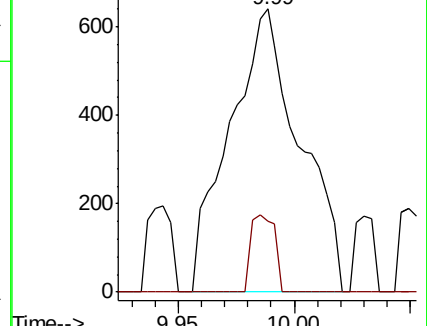
43 100

58 0.0 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.557 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN056565.D

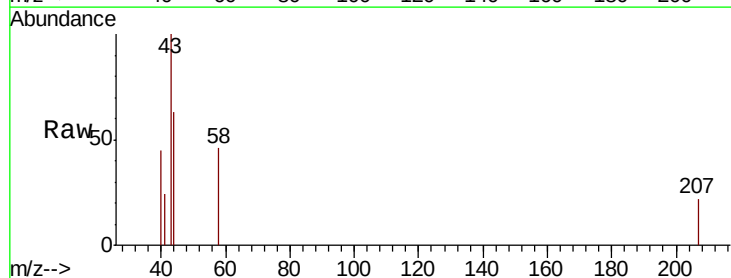
Acq: 1 Jul 2019 12:27

Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

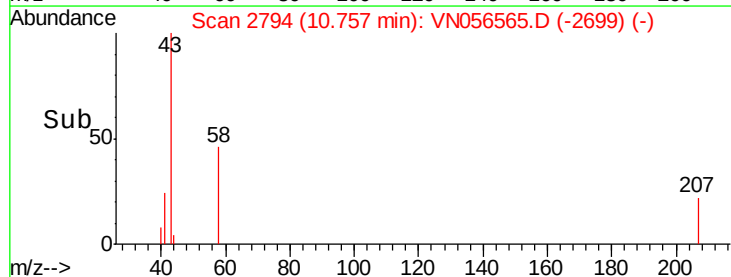
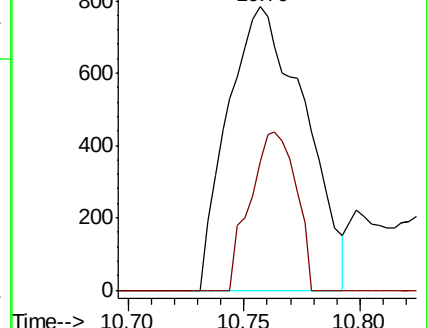
43 100

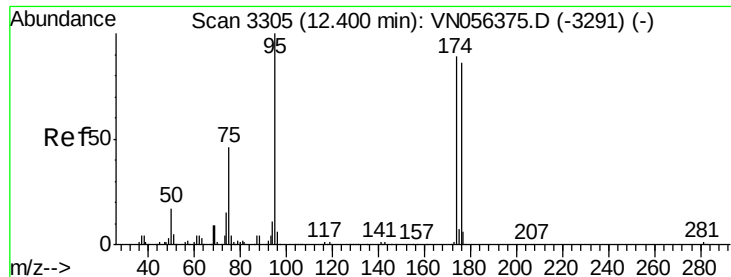
58 33.0 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.164 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0701WBL01

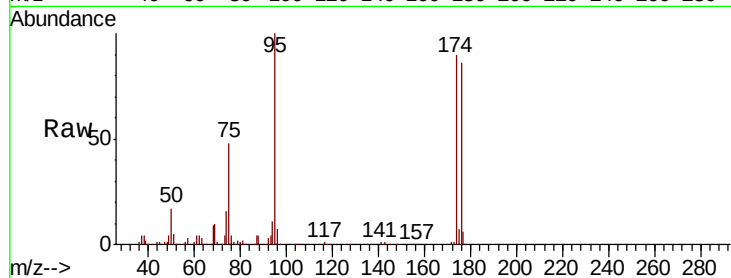
Tot Ion: 95 Resp: 187679

Ion Ratio Lower Upper

95 100

174 90.0 0.0 179.4

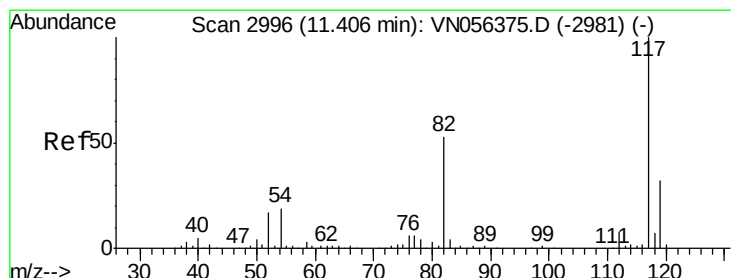
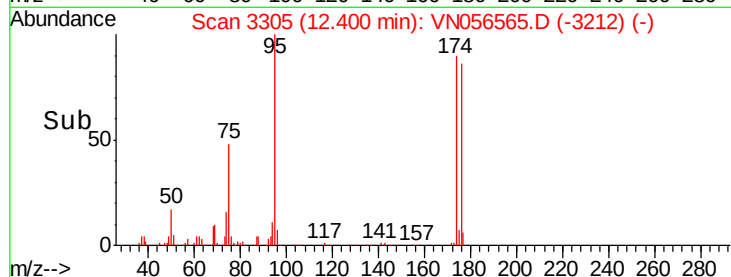
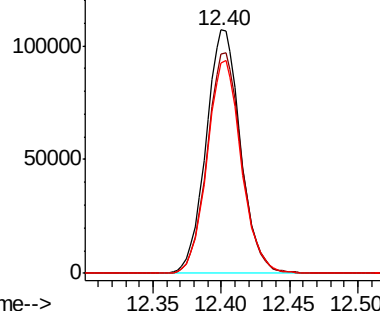
176 86.6 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN056375.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056375.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056375.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

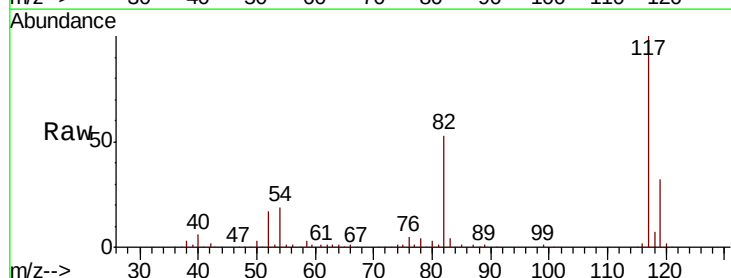
Tgt Ion: 117 Resp: 495098

Ion Ratio Lower Upper

117 100

82 53.3 42.0 63.0

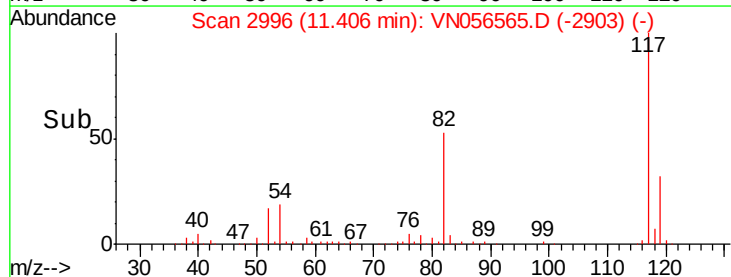
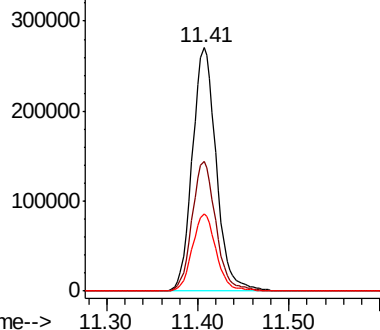
119 31.6 25.3 37.9

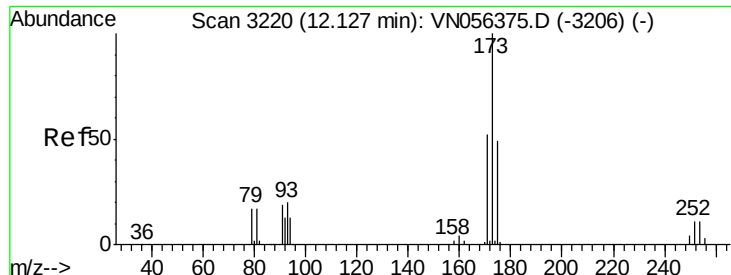


Abundance Ion 116.90 (116.60 to 117.60): VN056375.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN056375.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN056375.D (-2981) (-)





#71

Bromoform

Concen: 3.668 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBL01

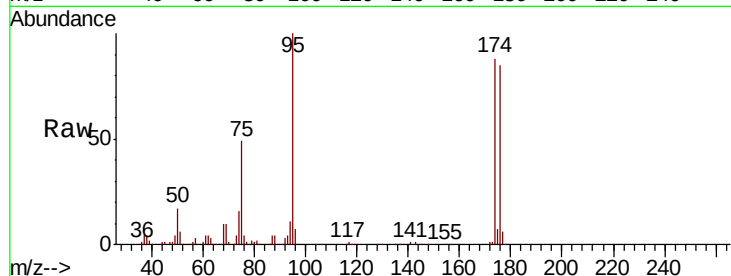
Tot Ion:173 Resp: 1520

Ion Ratio Lower Upper

173 100

175 716.9 24.4 73.4#

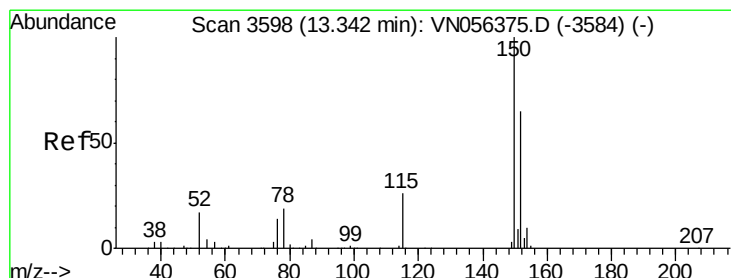
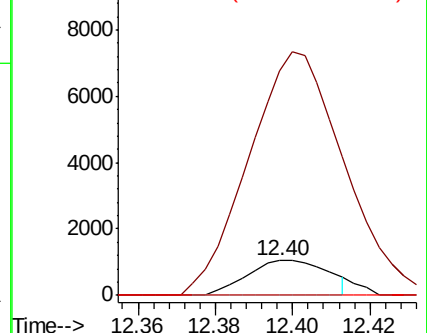
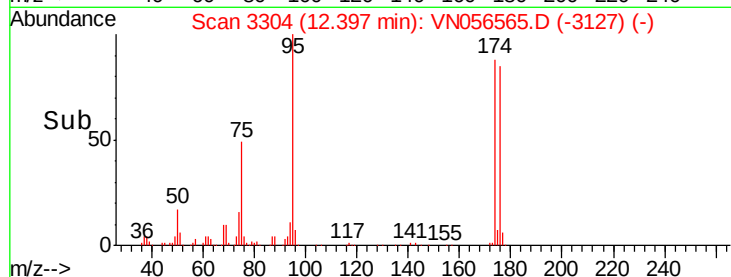
254 0.0 0.0 0.0



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: VN056565.D

Acq: 1 Jul 2019 12:27

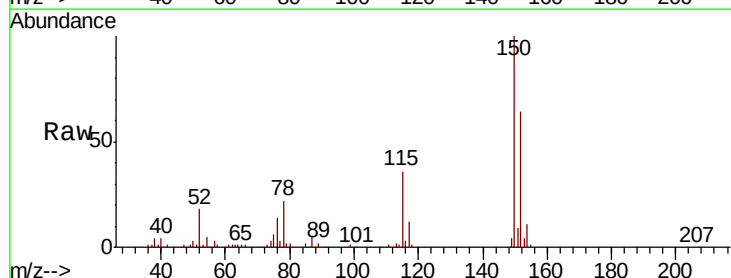
Tgt Ion:152 Resp: 122895

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.4

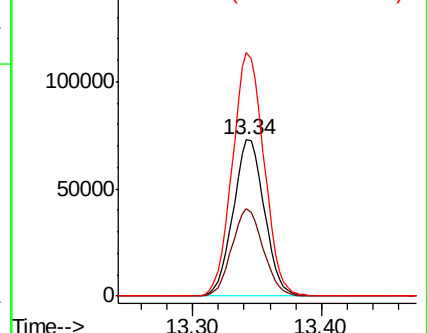
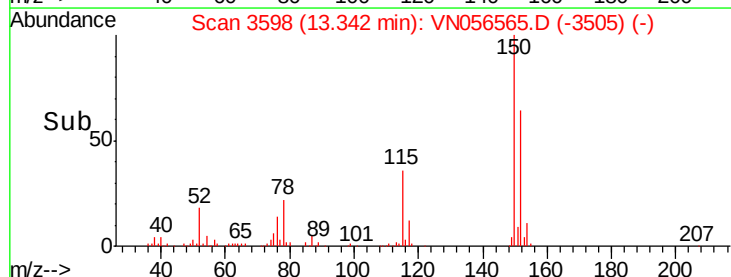
150 157.4 0.0 348.4

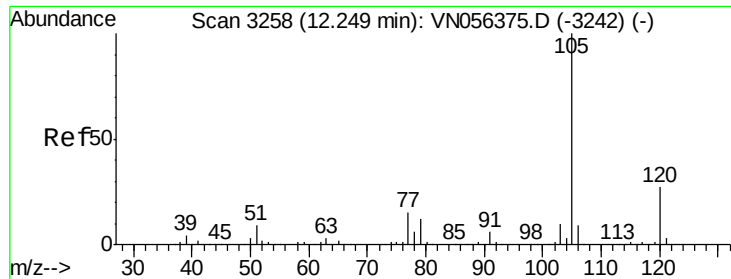


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

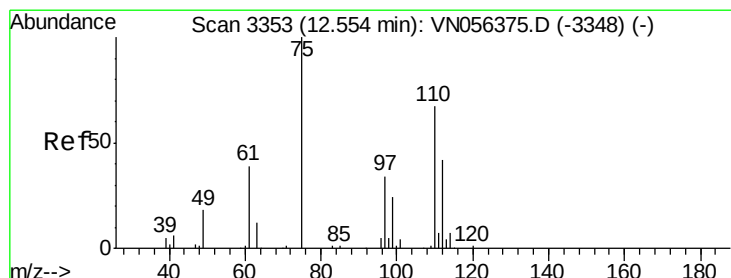
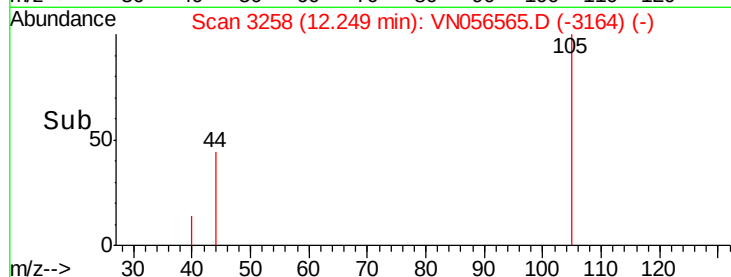
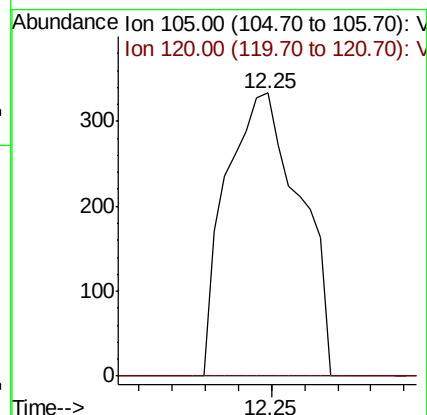
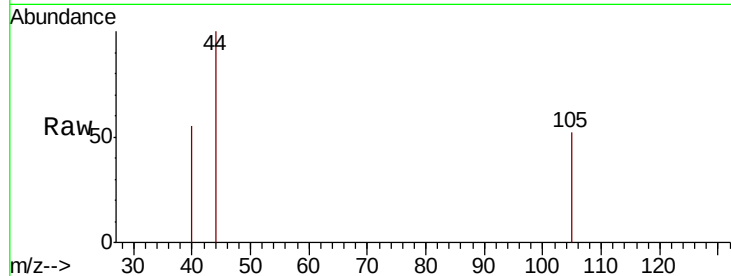
VN0701WBL01

Tot Ion:105 Resp: 518

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



#76

1,2,3-Trichloropropane

Concen: 34.909 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056565.D

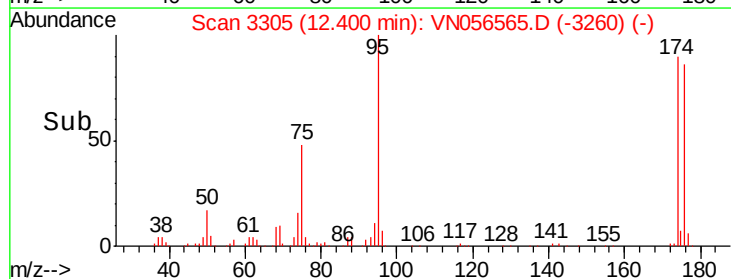
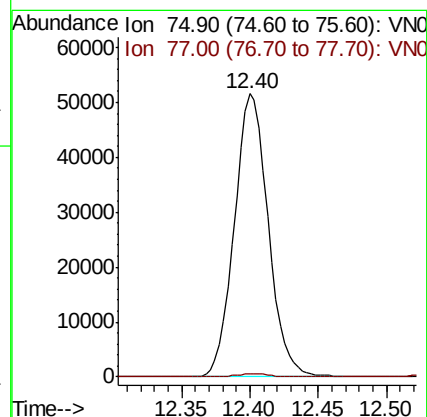
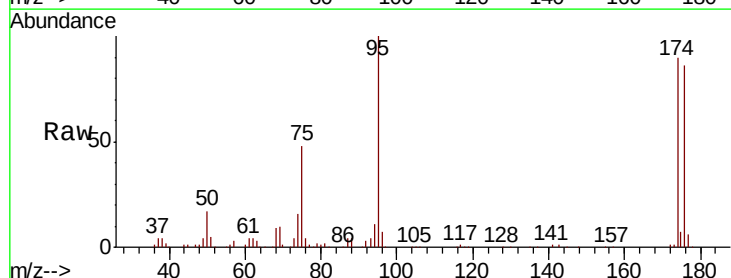
Acq: 1 Jul 2019 12:27

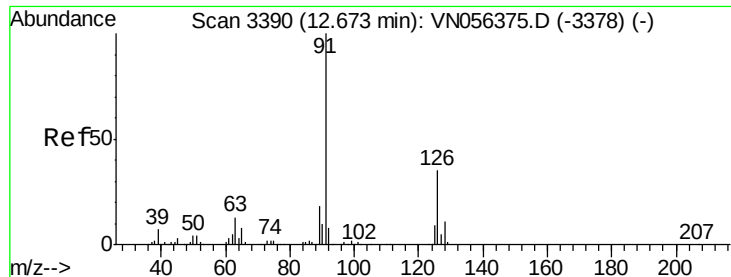
Tgt Ion: 75 Resp: 88958

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

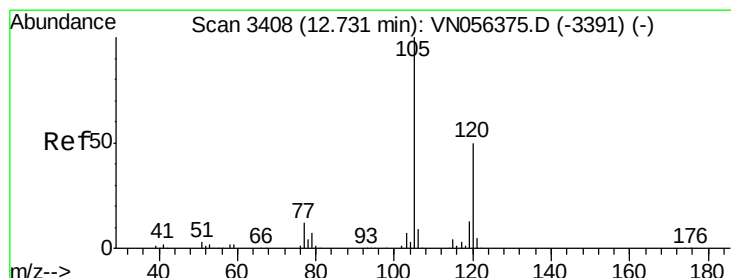
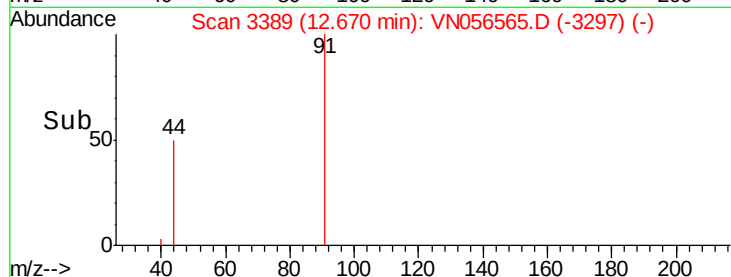
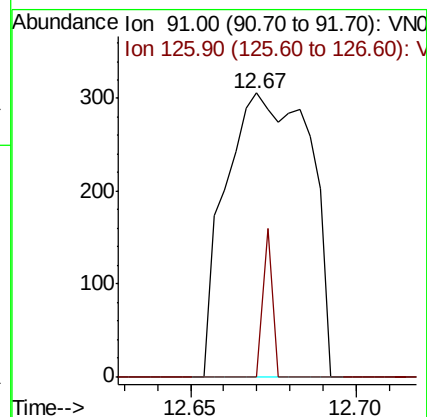
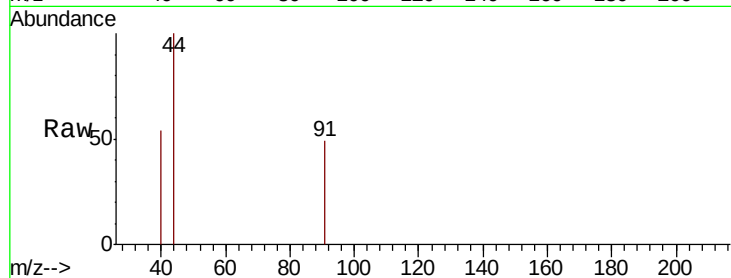
VN0701WBL01

Tot Ion: 91 Resp: 542

Ion Ratio Lower Upper

91 100

126 5.7 17.6 52.8#



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056565.D

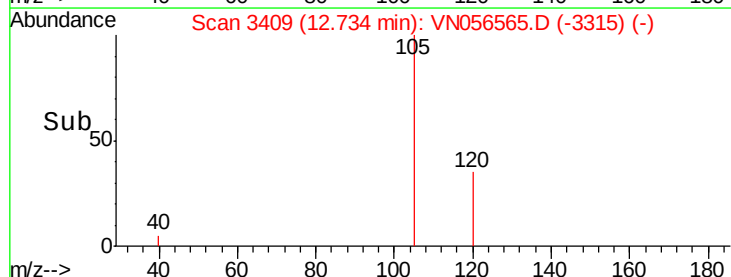
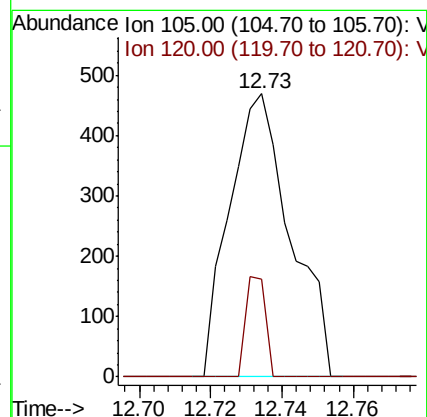
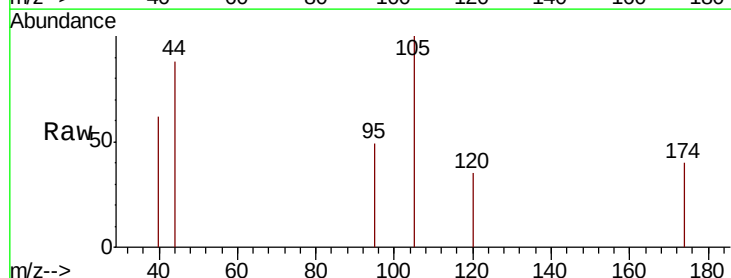
Acq: 1 Jul 2019 12:27

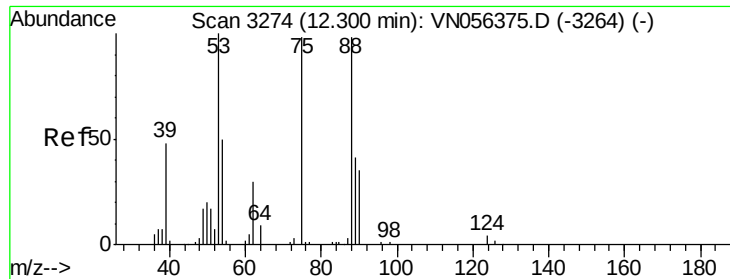
Tgt Ion: 105 Resp: 555

Ion Ratio Lower Upper

105 100

120 11.5 24.8 74.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 124.073 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0701WBL01

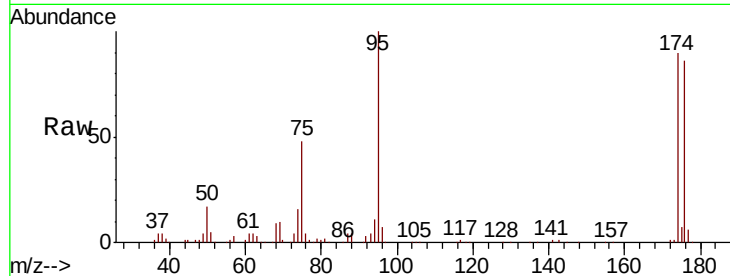
Tot Ion: 75 Resp: 88958

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

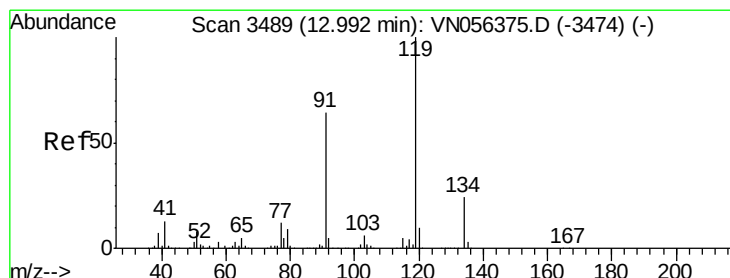
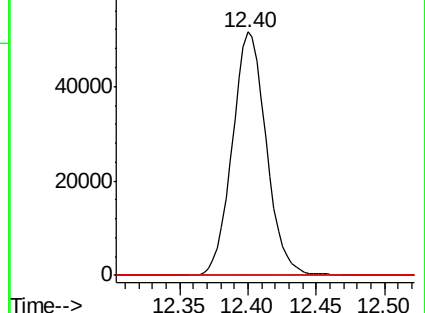
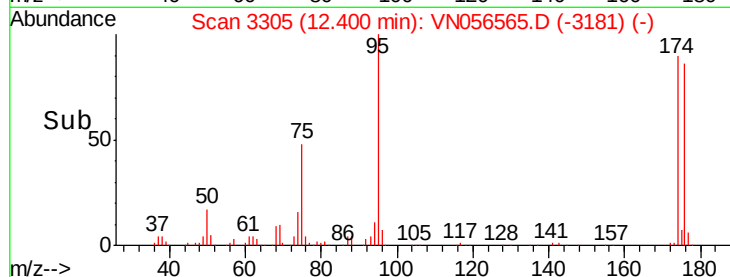
89 0.0 35.0 52.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

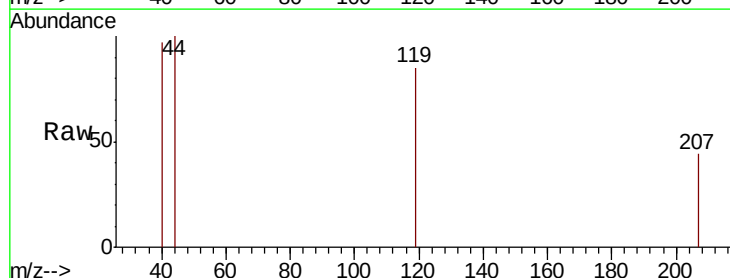
Tgt Ion: 119 Resp: 586

Ion Ratio Lower Upper

119 100

91 22.7 31.6 94.7#

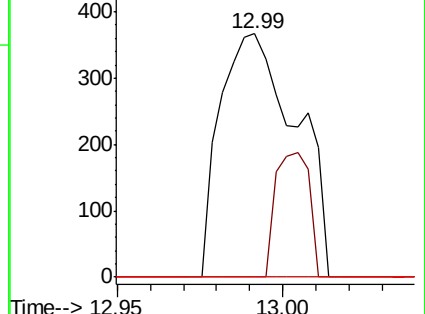
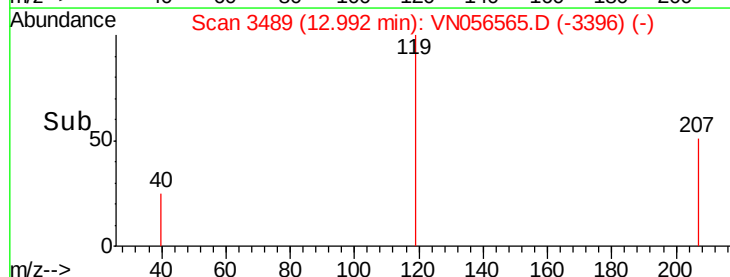
134 0.0 13.2 39.5#

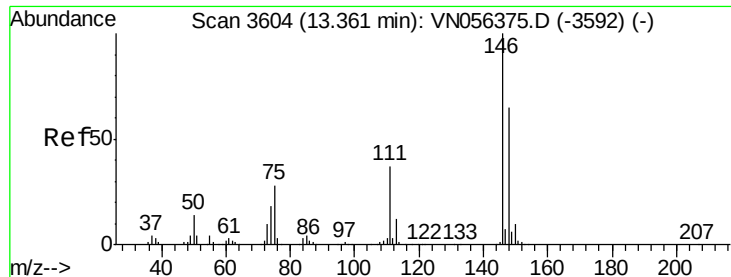


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#88

1,4-Dichlorobenzene

Concen: 0.224 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0701WBL01

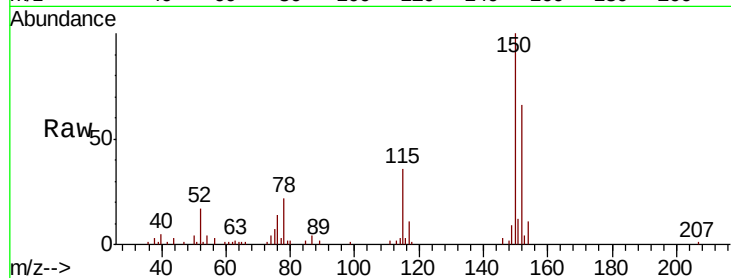
Tot Ion:146 Resp: 905

Ion Ratio Lower Upper

146 100

111 172.4 18.4 55.4#

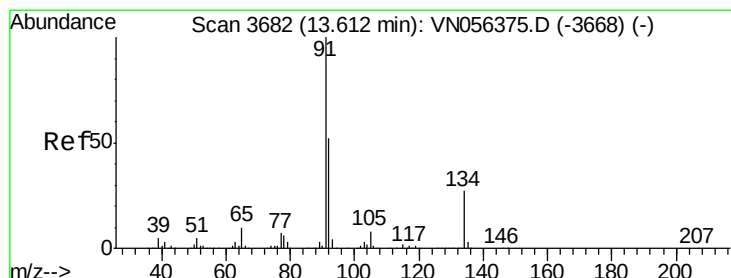
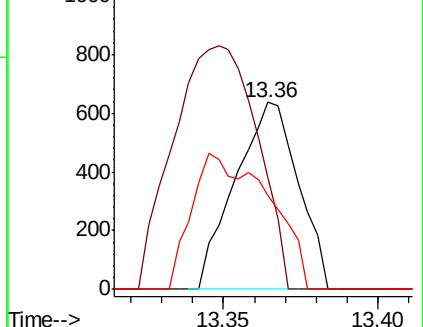
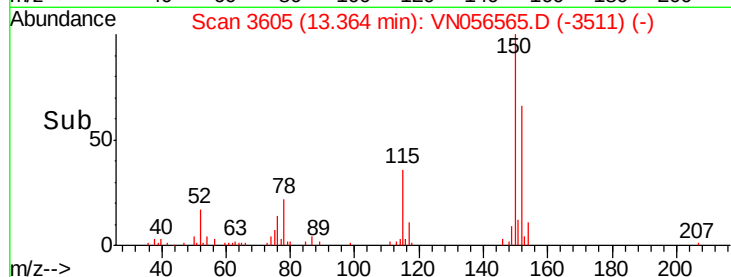
148 88.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.202 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

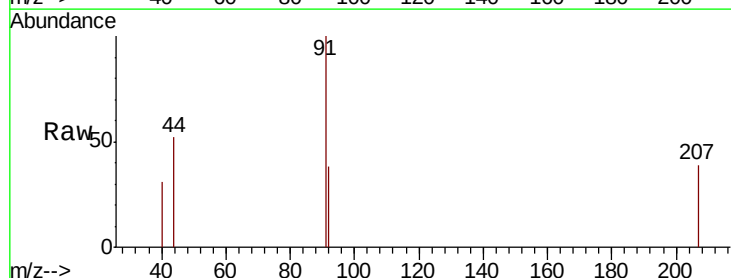
Tgt Ion: 91 Resp: 1301

Ion Ratio Lower Upper

91 100

92 33.3 26.2 78.5

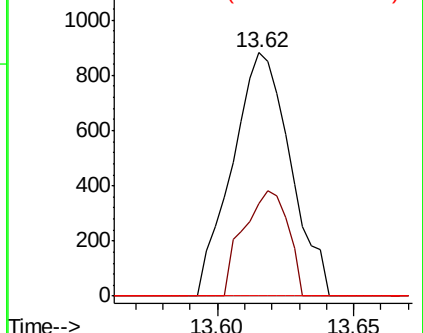
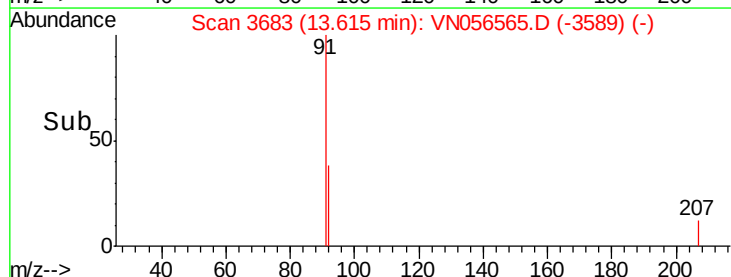
134 0.0 13.4 40.2#

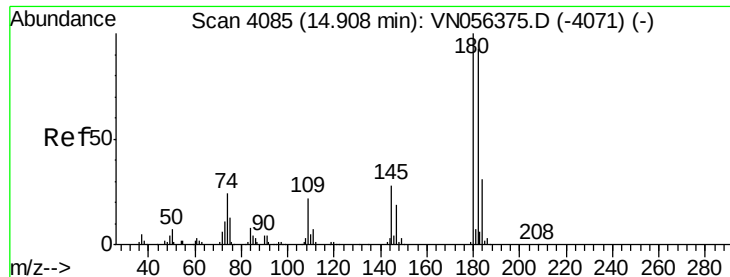


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

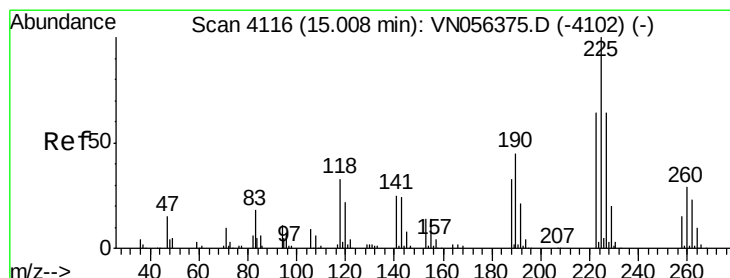
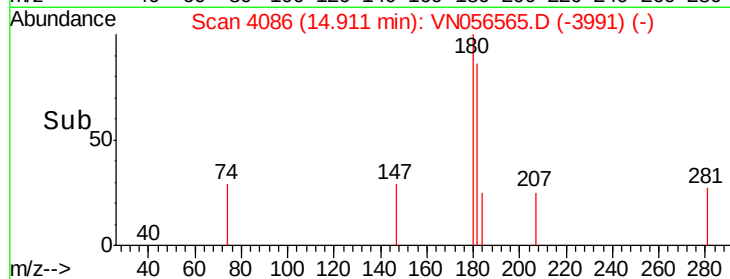
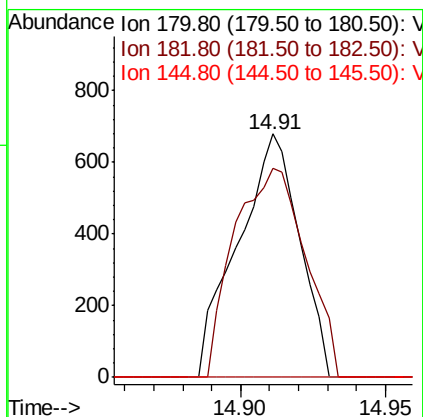
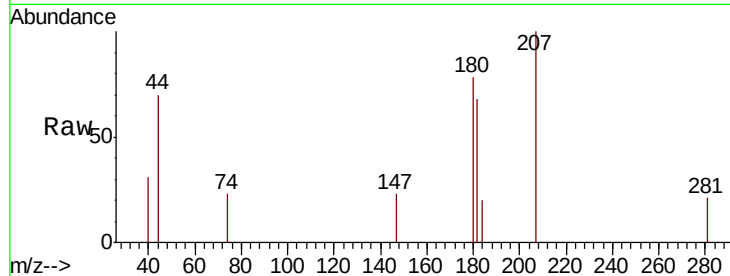




#93
 1,2,4-Trichlorobenzene
 Concen: 6.027 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN056565.D
 Acq: 1 Jul 2019 12:27

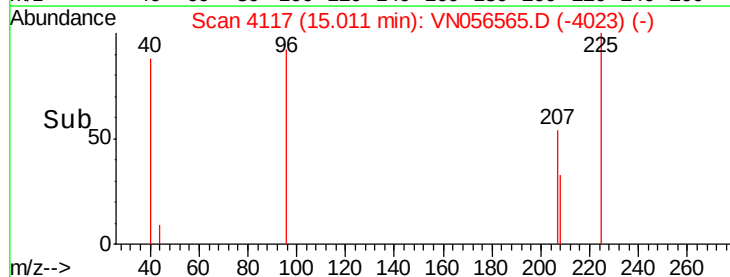
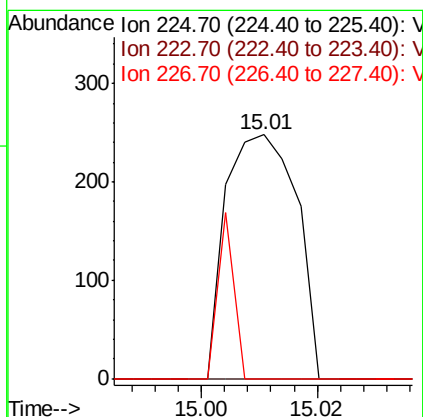
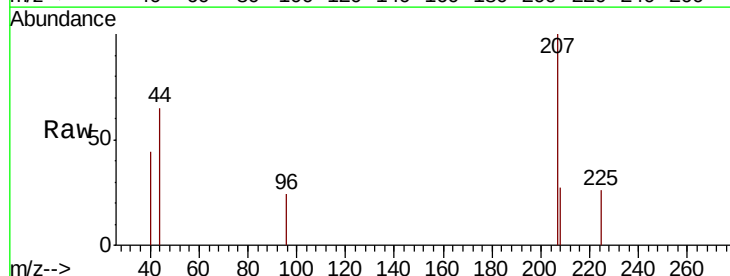
Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBL01

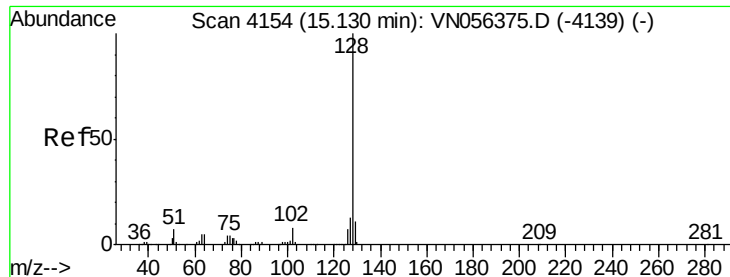
Tot Ion:180 Resp: 1000
 Ion Ratio Lower Upper
 180 100
 182 99.5 46.9 140.6
 145 0.0 14.4 43.0#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056565.D
 Acq: 1 Jul 2019 12:27

Tgt Ion:225 Resp: 209
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.4 94.3#
 227 15.8 32.1 96.3#





#95

Naphthalene

Concen: 5.738 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBL01

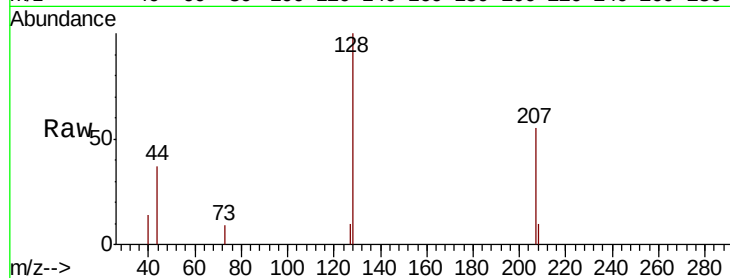
Tot Ion:128 Resp: 3102

Ion Ratio Lower Upper

128 100

127 3.7 10.2 15.2#

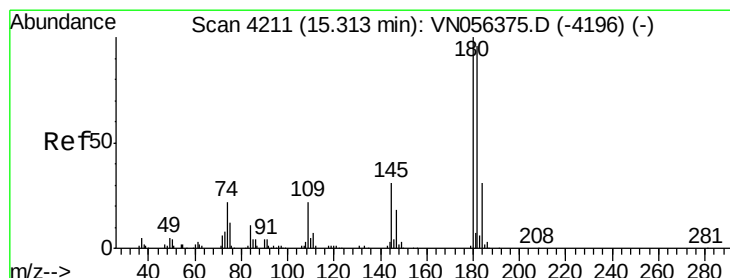
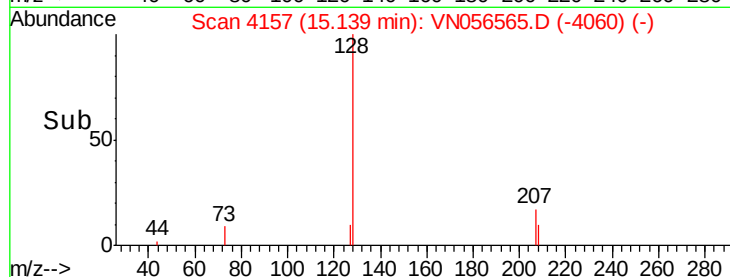
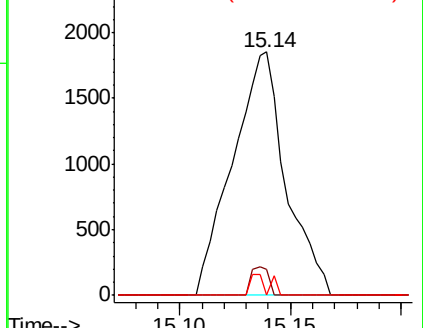
129 2.9 8.6 12.8#



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: 5.118 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056565.D

Acq: 1 Jul 2019 12:27

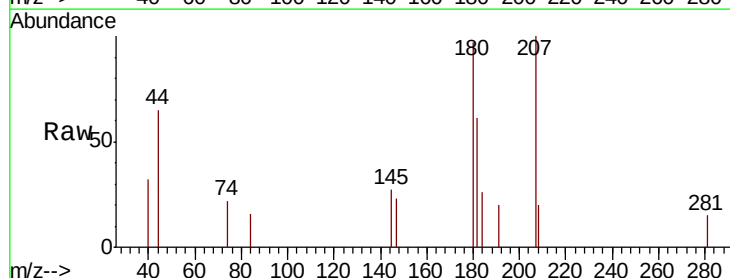
Tgt Ion:180 Resp: 1559

Ion Ratio Lower Upper

180 100

182 37.7 48.3 144.8#

145 21.5 15.4 46.1



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

