

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056032.D
 Acq On : 6 Jun 2019 9:29
 Operator : JC/SP
 Sample : VN0607WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL01

Quant Time: Jun 06 17:52:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

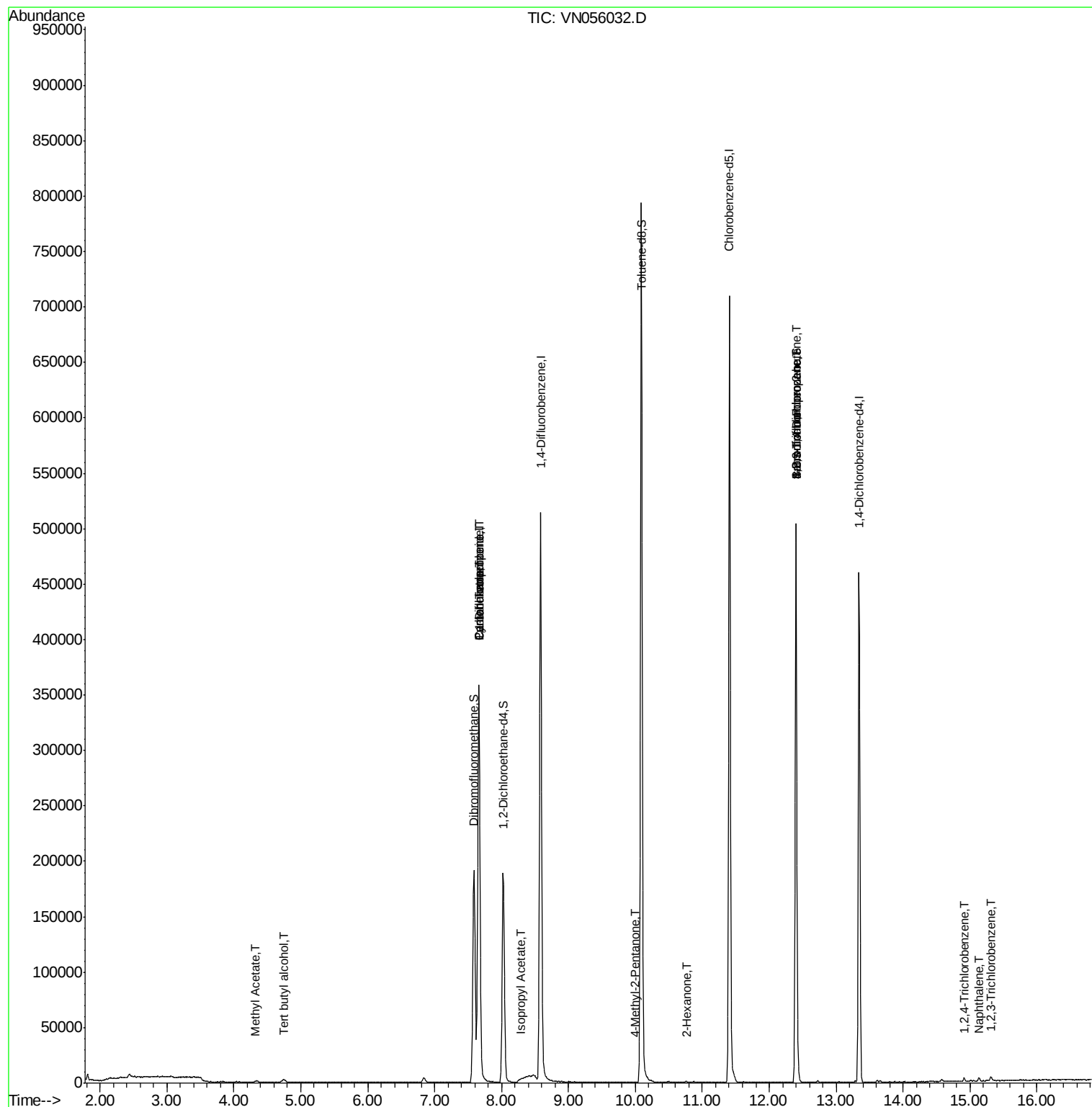
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	338575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	508468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143261	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	162582	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
35) Dibromofluoromethane	7.59	113	148549	47.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.24%	
50) Toluene-d8	10.09	98	603088	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	180866	44.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	1739	2.973	ug/l #	74
18) Methyl Acetate	4.33	43	3500	0.536	ug/l #	72
31) Cyclohexane	7.66	56	4711	0.883	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20246	4.631	ug/l #	47
38) Carbon Tetrachloride	7.66	117	28647	7.107	ug/l #	14
43) Isopropyl Acetate	8.29	43	2962	0.470	ug/l #	53
51) 4-Methyl-2-Pentanone	9.98	43	924	0.234	ug/l #	35
59) 2-Hexanone	10.75	43	1292	0.452	ug/l #	59
71) Bromoform	12.40	173	1197	3.172	ug/l #	1
73) Isopropylbenzene	12.24	105	336	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	83283	31.594	ug/l #	100
79) 2-Chlorotoluene	12.68	91	484	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	83283	105.213	ug/l #	15
83) tert-Butylbenzene	12.99	119	343	Below Cal	#	28
93) 1,2,4-Trichlorobenzene	14.91	180	1268	4.709	ug/l	90
94) Hexachlorobutadiene	15.00	225	416	Below Cal	#	60
95) Naphthalene	15.13	128	3738	4.355	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.31	180	1799	3.659	ug/l	89

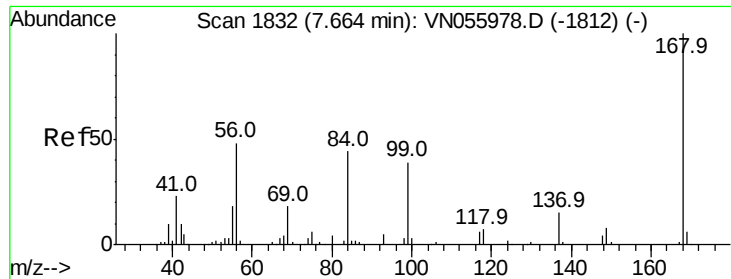
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060719\
Data File : VN056032.D
Acq On : 6 Jun 2019 9:29
Operator : JC/SP
Sample : VN0607WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

Quant Time: Jun 06 17:52:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 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: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

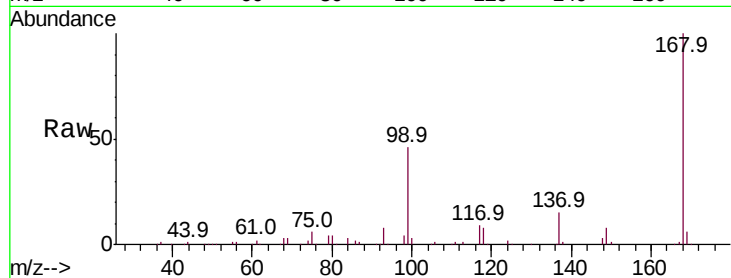
VN0607WBL01

Tot Ion:168 Resp: 338575

Ion Ratio Lower Upper

168 100

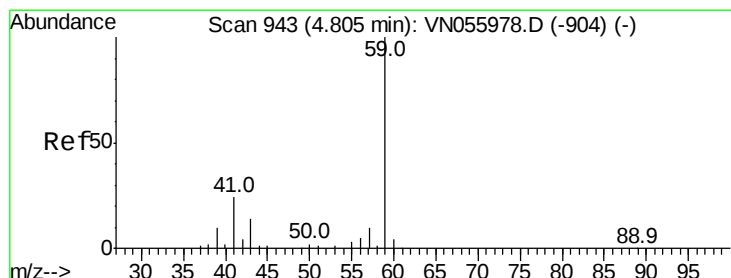
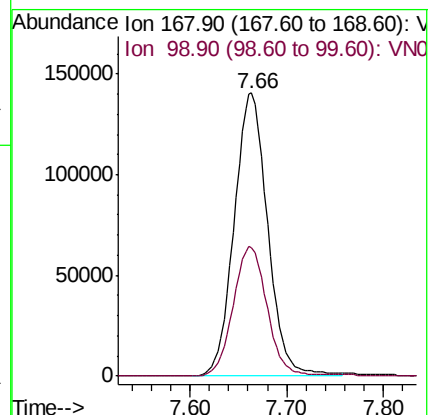
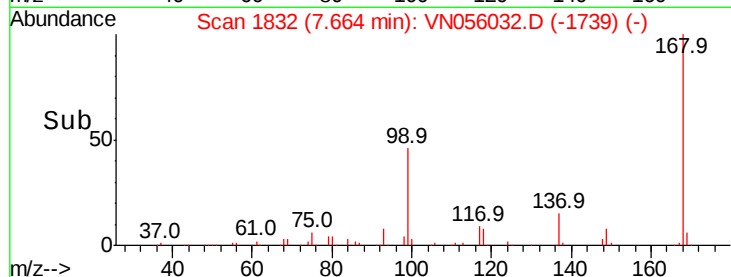
99 45.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66



#11

Tert butyl alcohol

Concen: 2.973 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN056032.D

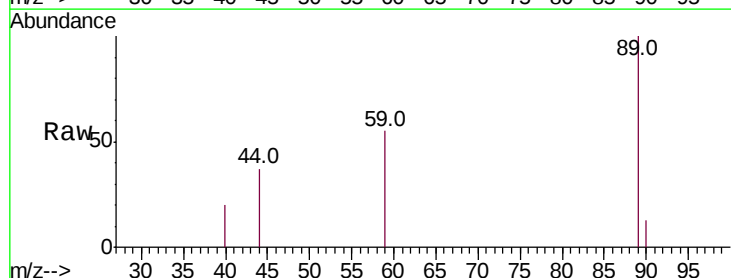
Acq: 6 Jun 2019 9:29

Tgt Ion: 59 Resp: 1739

Ion Ratio Lower Upper

59 100

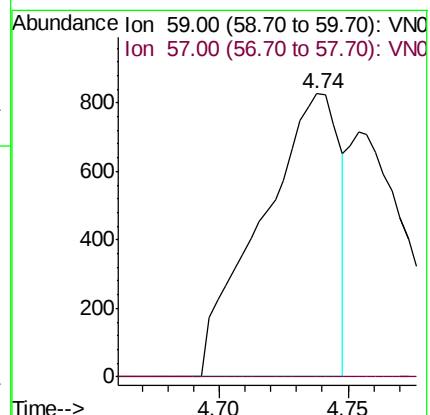
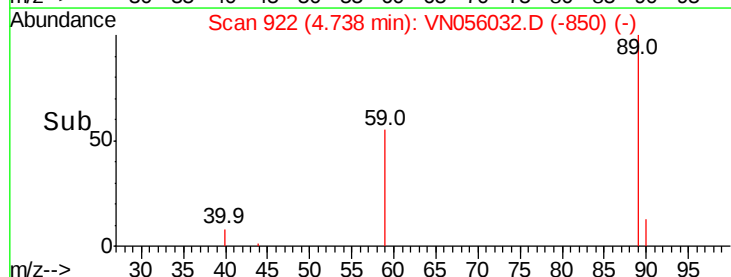
57 0.0 7.8 11.6#

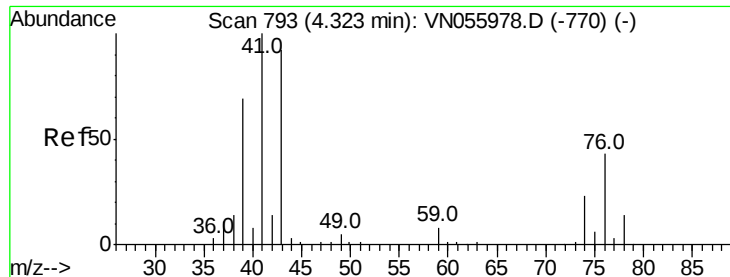


Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.74

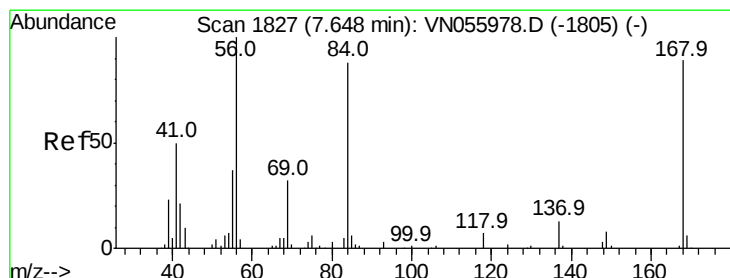
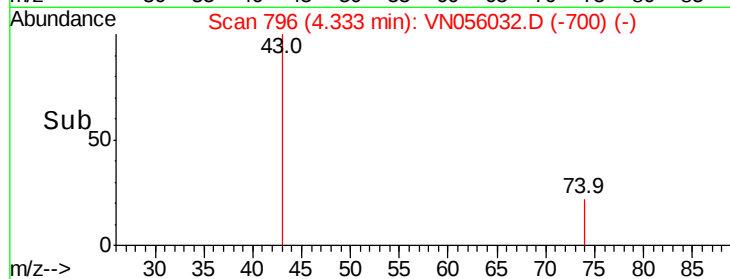
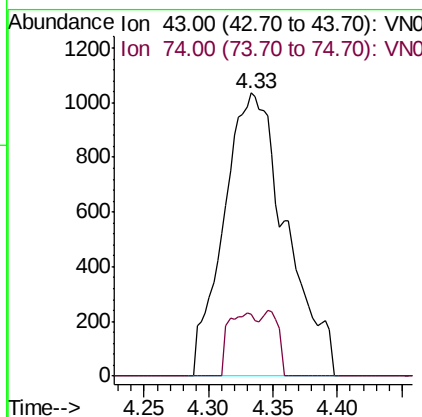
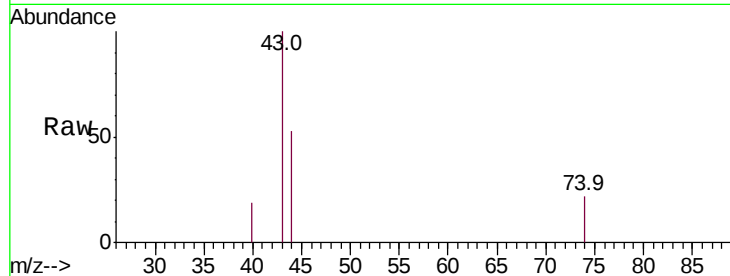




#18
Methyl Acetate
Concen: 0.536 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056032.D
Acq: 6 Jun 2019 9:29

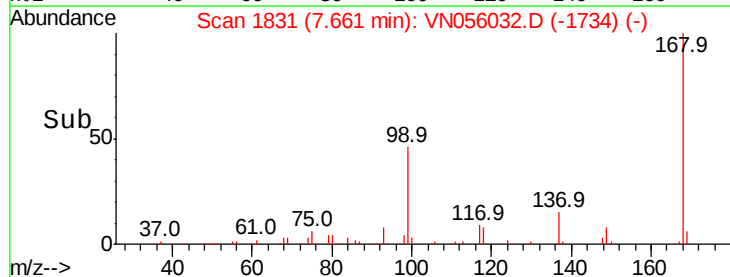
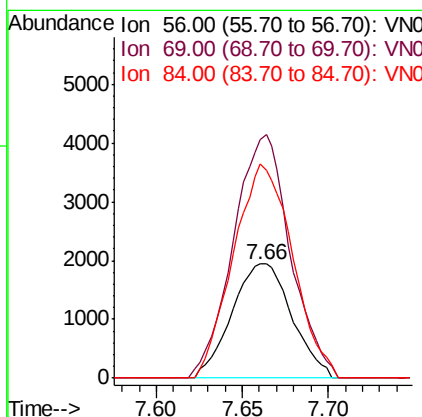
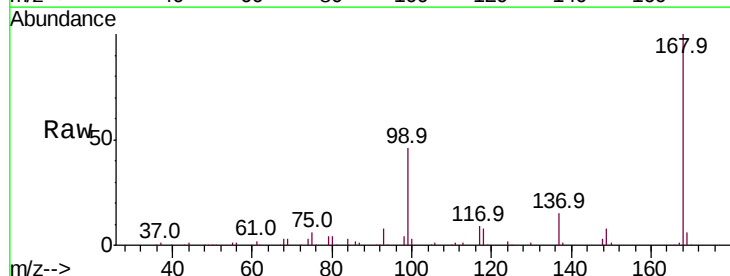
Instrument :
MSVOA_N
ClientSampled :
VN0607WBL01

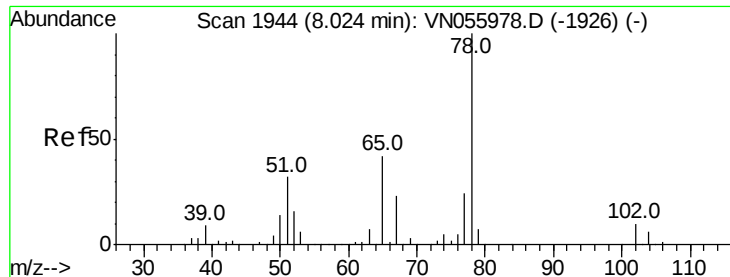
Tot Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
74 10.4 19.3 28.9#



#31
Cyclohexane
Concen: 0.883 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056032.D
Acq: 6 Jun 2019 9:29

Tgt Ion: 56 Resp: 4711
Ion Ratio Lower Upper
56 100
69 208.8 25.6 38.4#
84 187.9 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 48.362 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

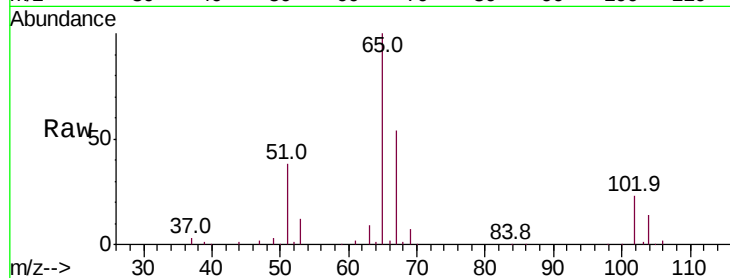
VN0607WBL01

Tot Ion: 65 Resp: 162582

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055978.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055978.D (-1926) (-)

8.02

60000

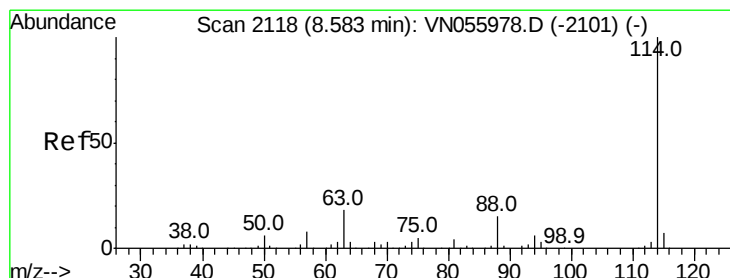
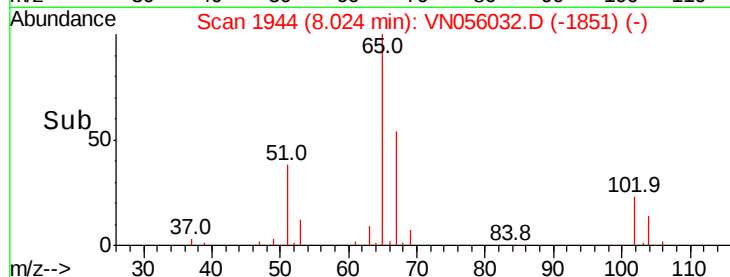
40000

20000

0

8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

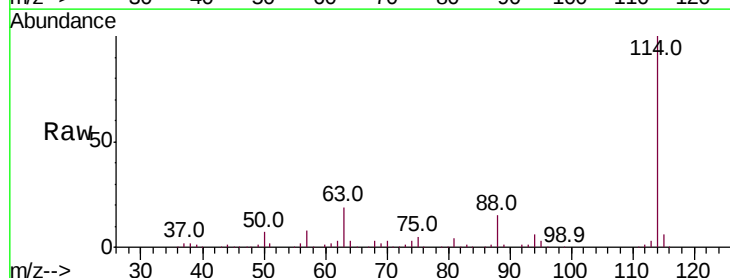
Tgt Ion: 114 Resp: 508468

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055978.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055978.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055978.D (-2101) (-)

8.58

300000

250000

200000

150000

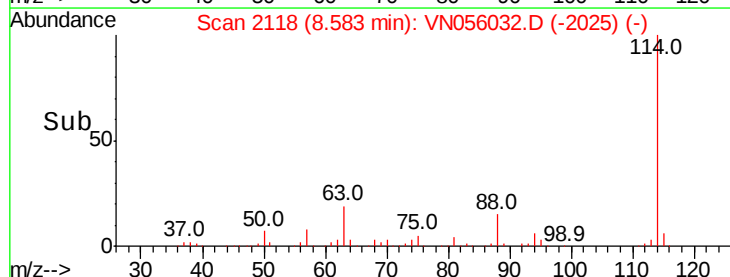
100000

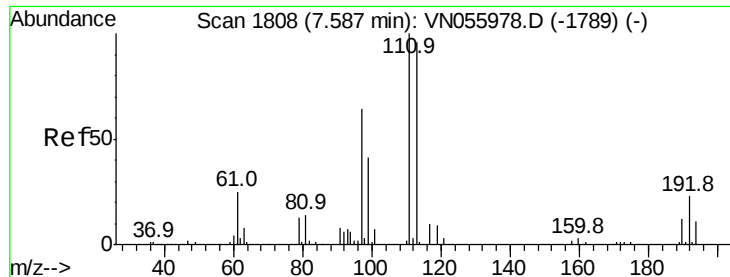
50000

0

8.50 8.60 8.70

Time-->

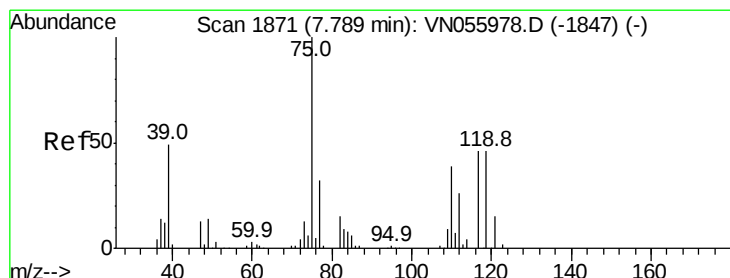
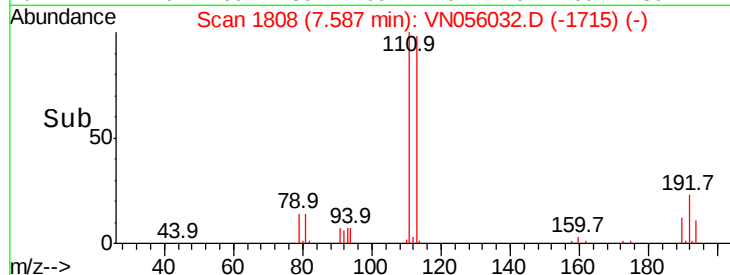
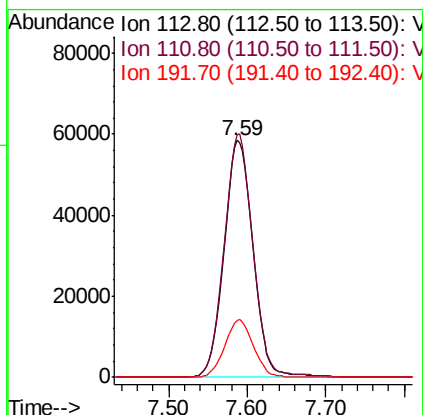
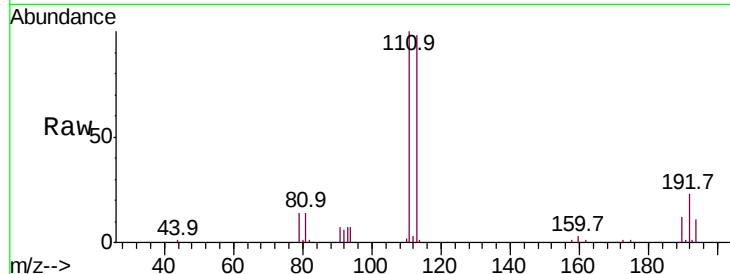




#35
 Dibromofluoromethane
 Concen: 47.618 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056032.D
 Acq: 6 Jun 2019 9:29

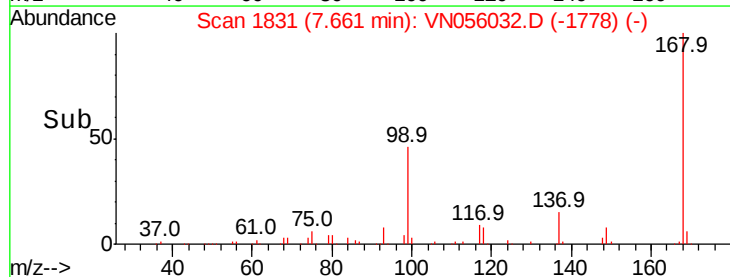
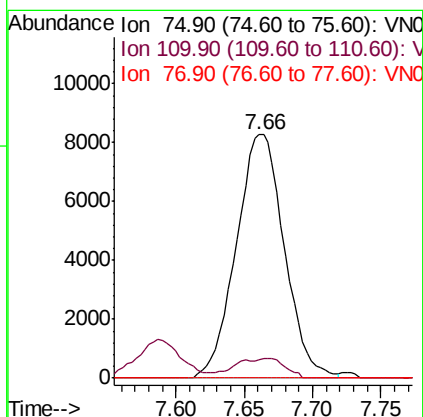
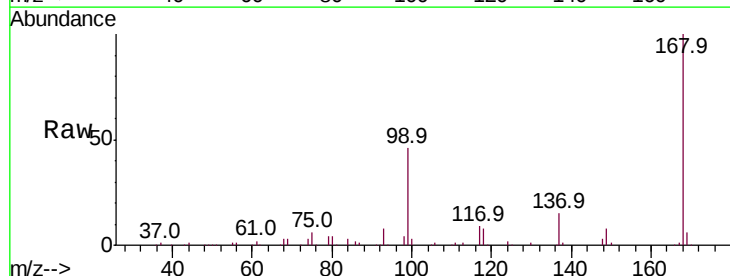
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL01

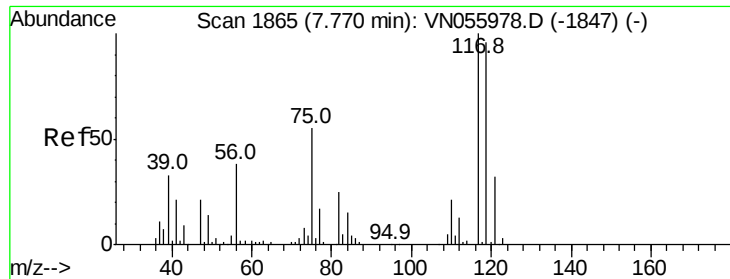
Tot Ion:113 Resp: 148549
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.9 122.9
 192 24.0 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056032.D
 Acq: 6 Jun 2019 9:29

Tgt Ion: 75 Resp: 20246
 Ion Ratio Lower Upper
 75 100
 110 8.3 19.0 57.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 7.107 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBL01

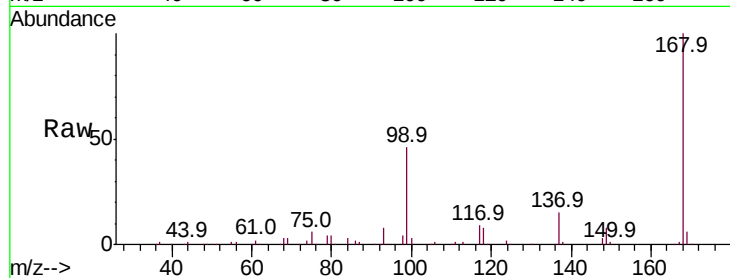
Tot Ion:117 Resp: 28647

Ion Ratio Lower Upper

117 100

119 4.5 79.0 118.6#

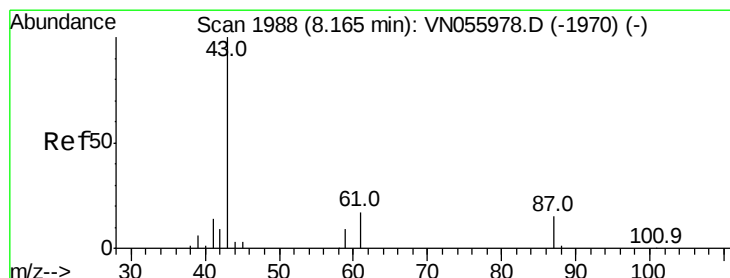
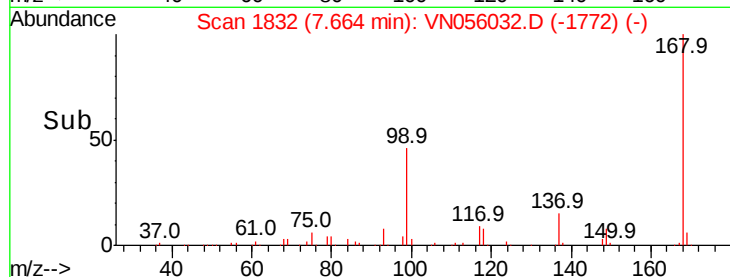
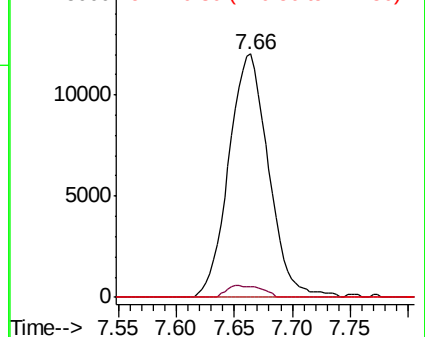
121 0.0 24.7 37.1#



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: 0.470 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

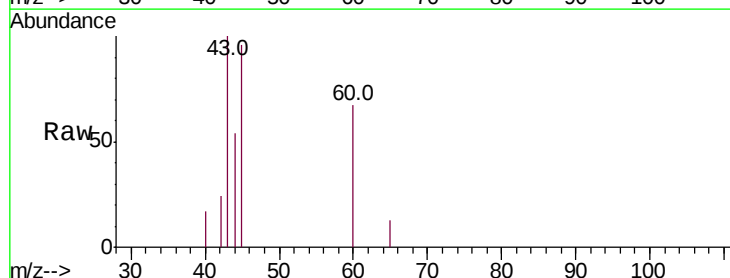
Tgt Ion: 43 Resp: 2962

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

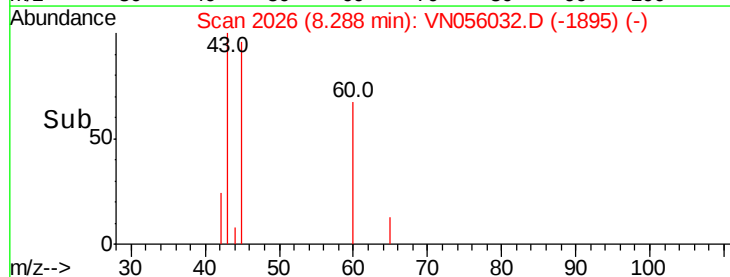
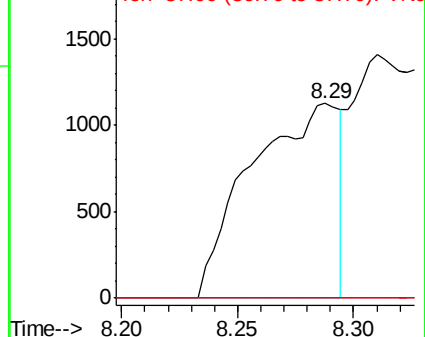
87 0.0 11.4 17.2#

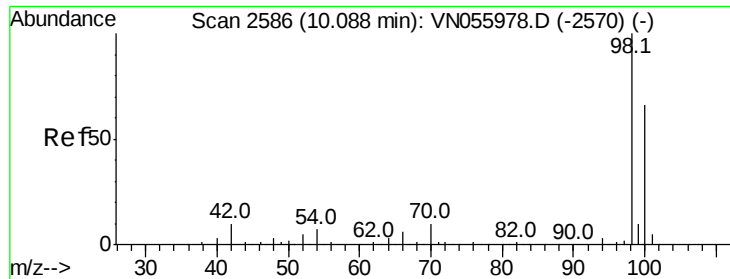


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 50.239 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

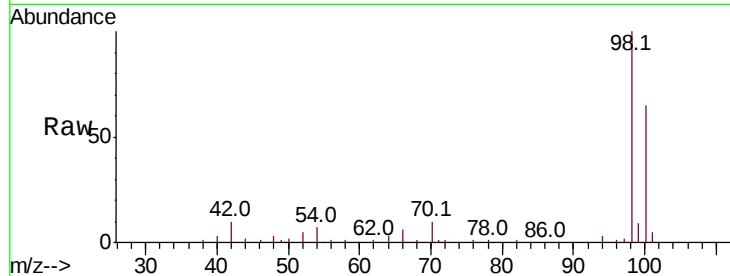
VN0607WBL01

Tot Ion: 98 Resp: 603088

Ion Ratio Lower Upper

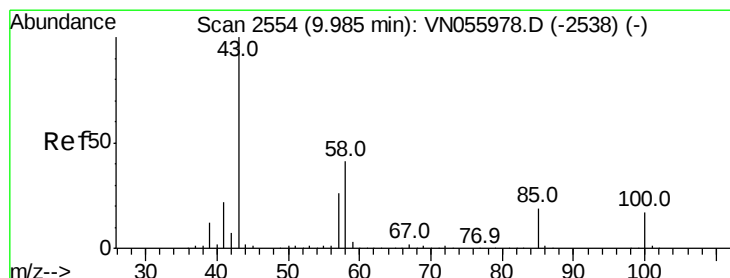
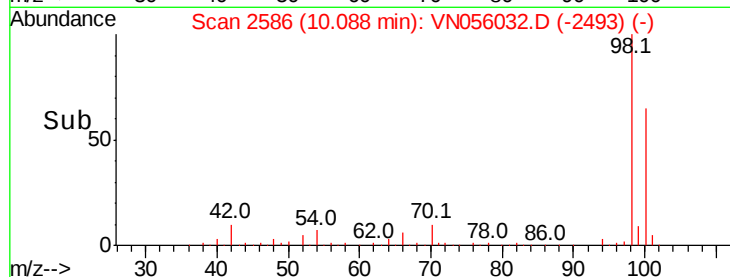
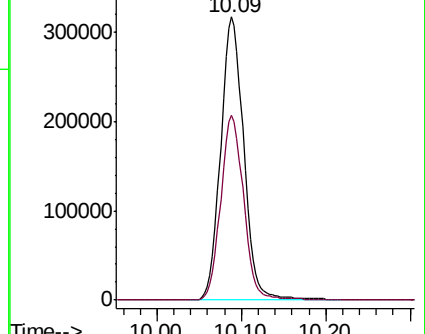
98 100

100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.234 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056032.D

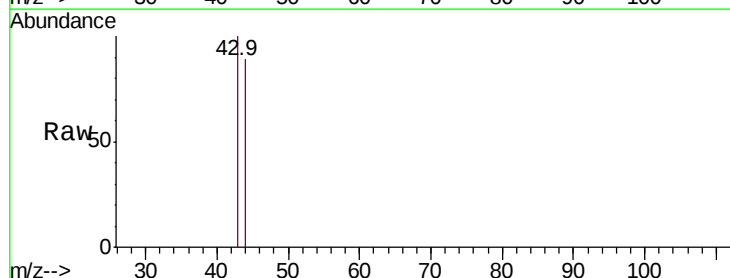
Acq: 6 Jun 2019 9:29

Tgt Ion: 43 Resp: 924

Ion Ratio Lower Upper

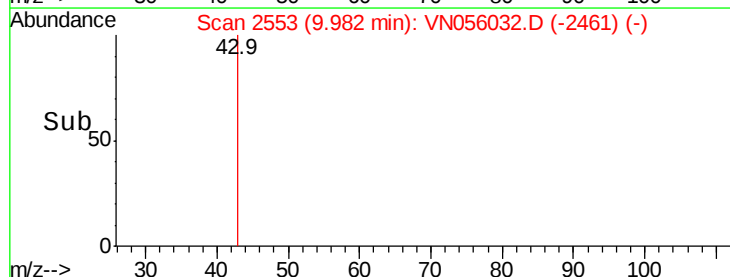
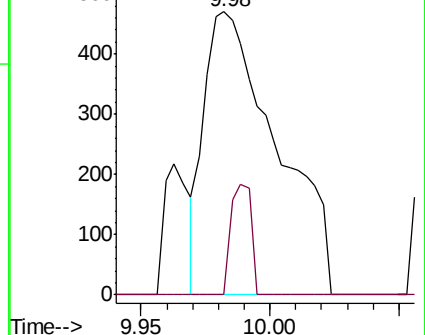
43 100

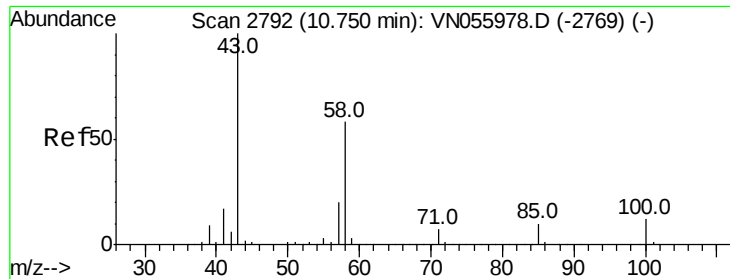
58 0.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#59

2-Hexanone

Concen: 0.452 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

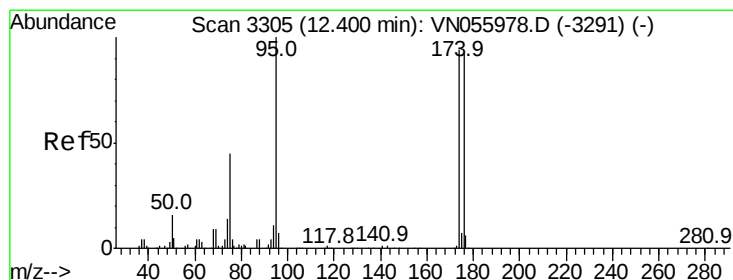
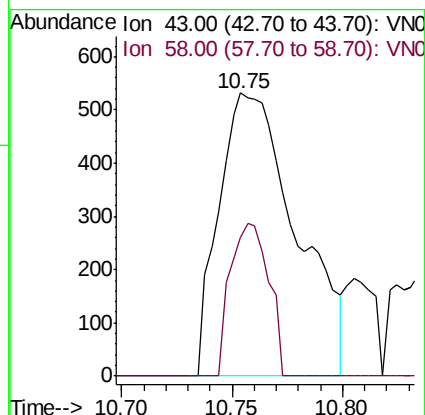
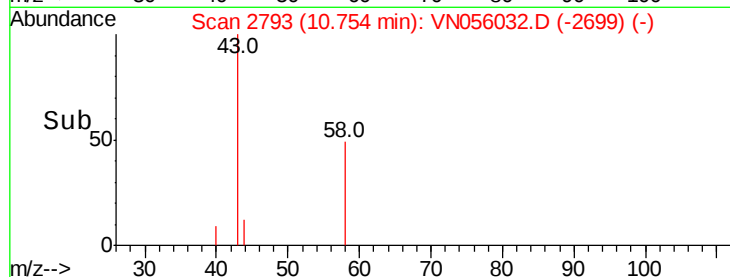
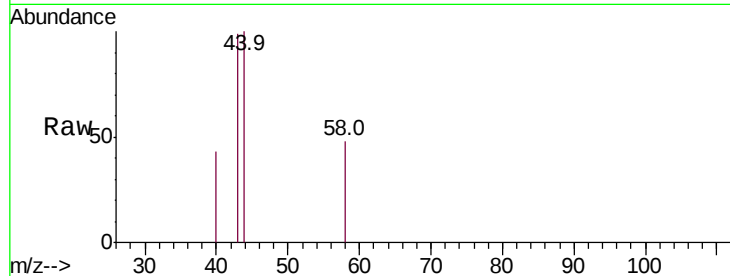
VN0607WBL01

Tot Ion: 43 Resp: 1292

Ion Ratio Lower Upper

43 100

58 26.8 28.2 84.7#



#62

4-Bromofluorobenzene

Concen: 44.304 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

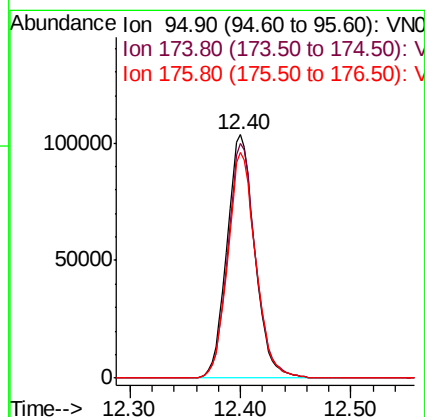
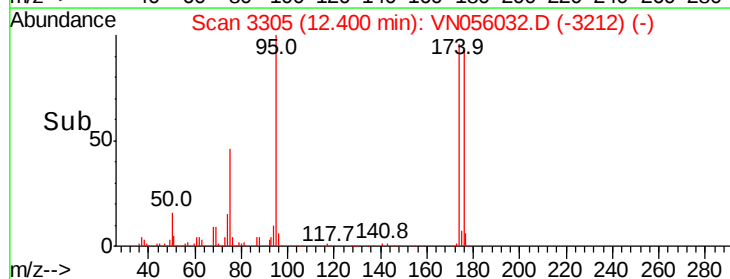
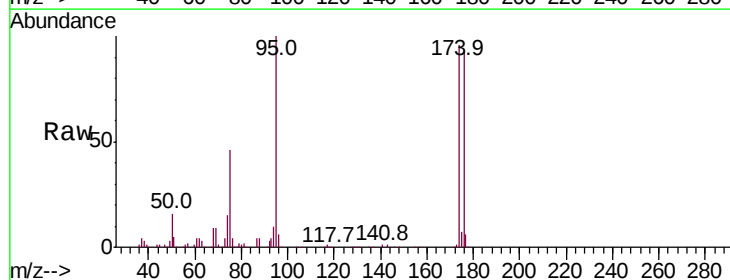
Tgt Ion: 95 Resp: 180866

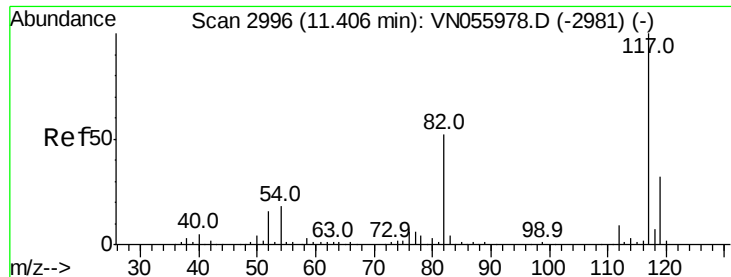
Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

176 93.2 0.0 185.2

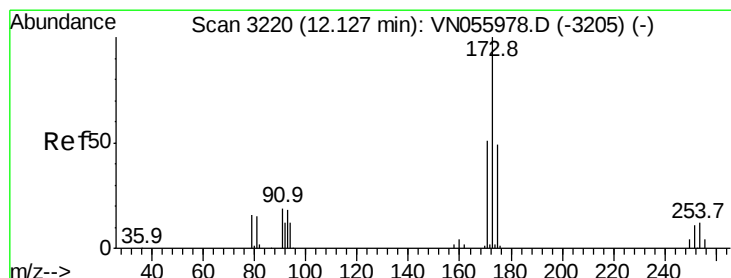
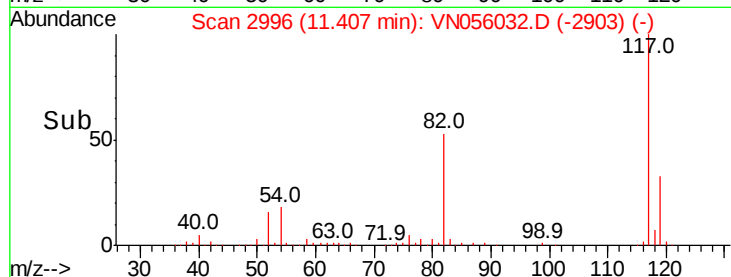
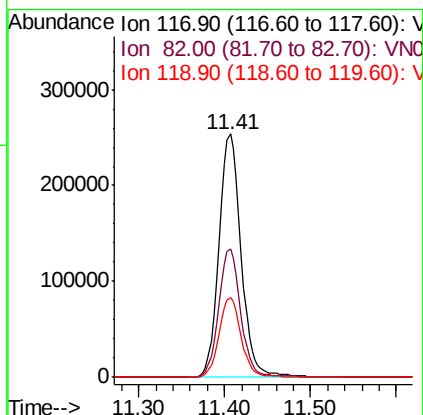
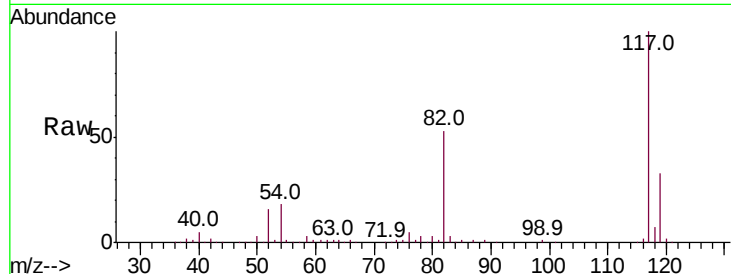




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056032.D
Acq: 6 Jun 2019 9:29

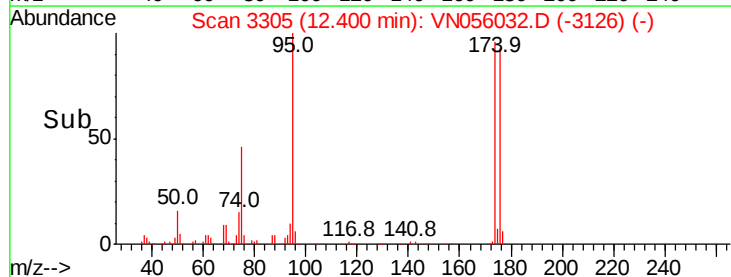
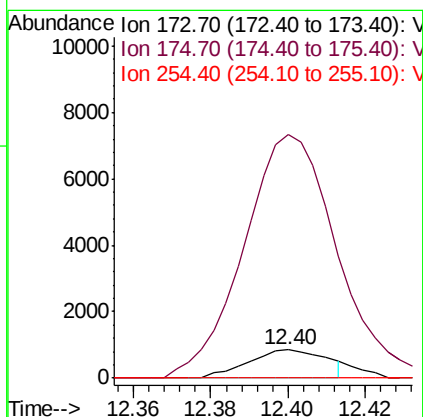
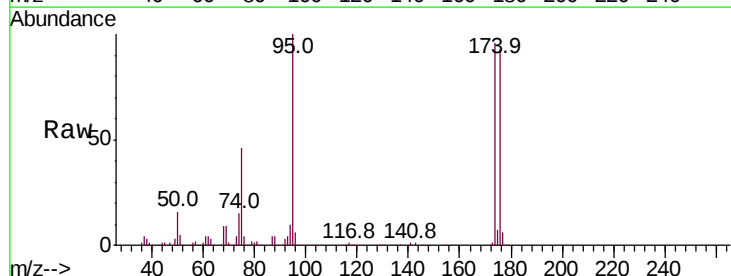
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

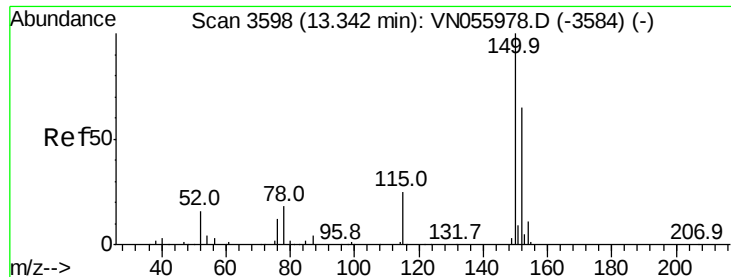
Tot Ion:117 Resp: 455724
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 32.7 25.4 38.0



#71
Bromoform
Concen: 3.172 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056032.D
Acq: 6 Jun 2019 9:29

Tgt Ion:173 Resp: 1197
Ion Ratio Lower Upper
173 100
175 906.0 24.3 72.8#
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: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBL01

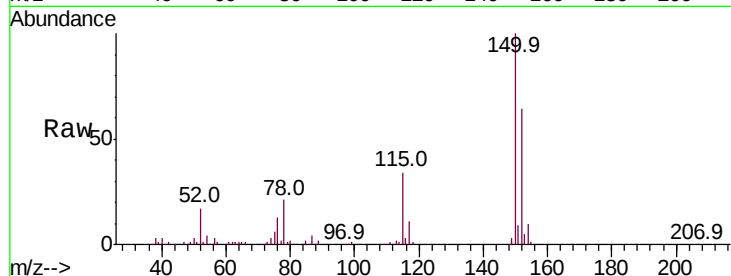
Tot Ion:152 Resp: 143261

Ion Ratio Lower Upper

152 100

115 52.6 27.0 81.0

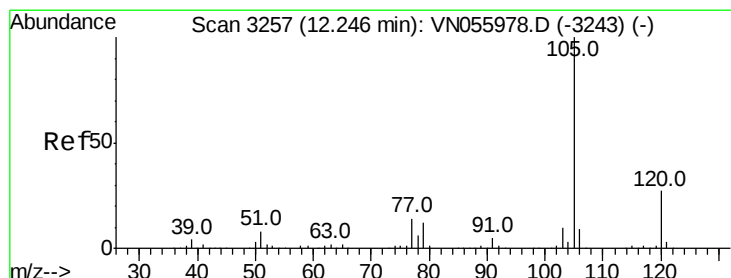
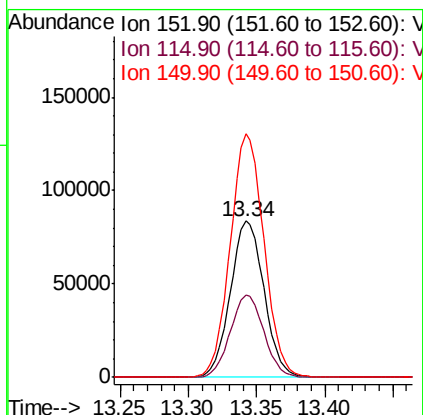
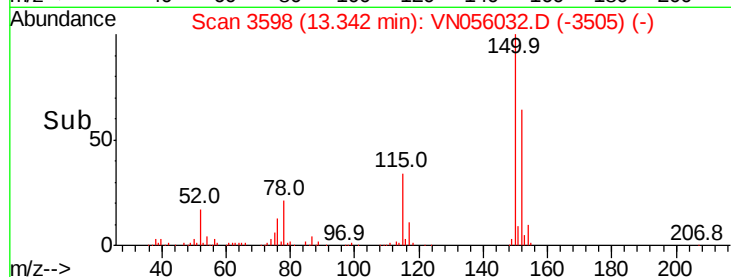
150 155.9 0.0 343.2



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: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056032.D

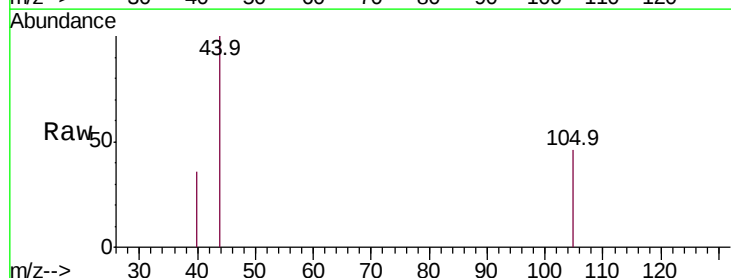
Acq: 6 Jun 2019 9:29

Tgt Ion:105 Resp: 336

Ion Ratio Lower Upper

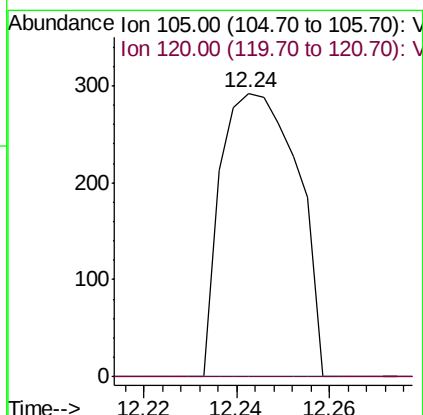
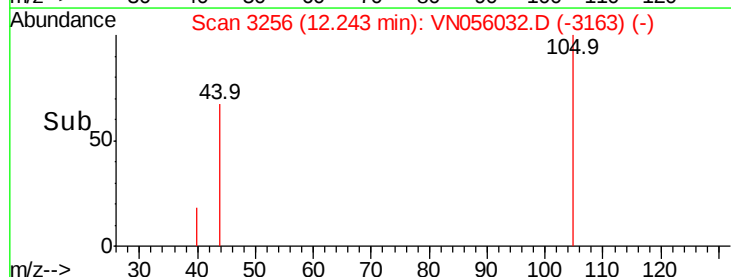
105 100

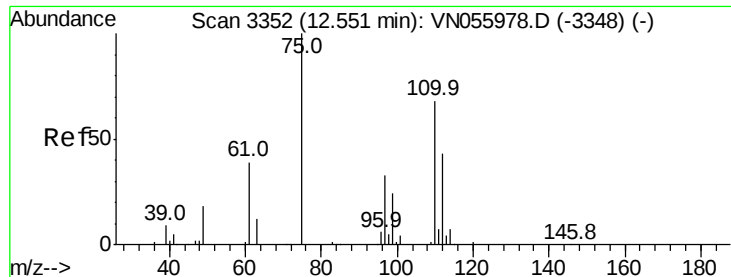
120 0.0 13.6 40.7#



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: 31.594 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampled :

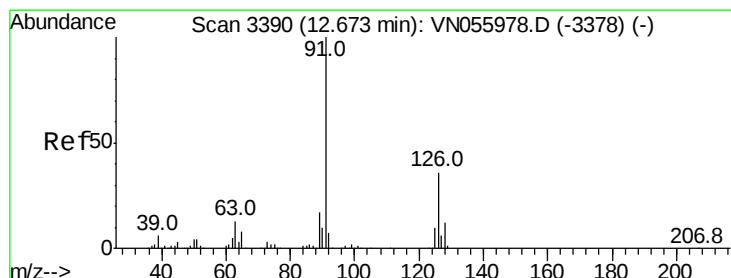
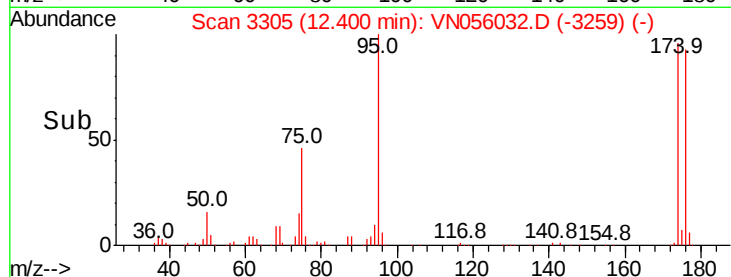
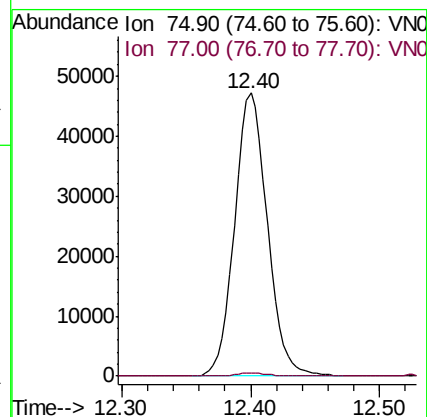
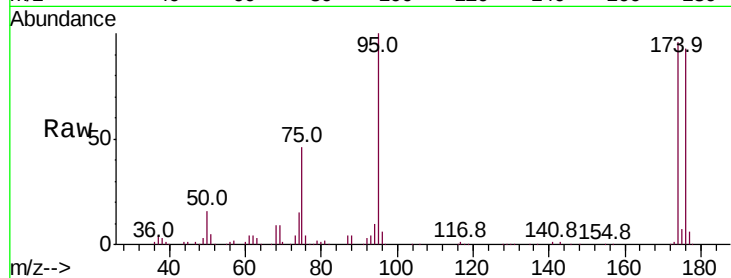
VN0607WBL01

Tot Ion: 75 Resp: 83283

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056032.D

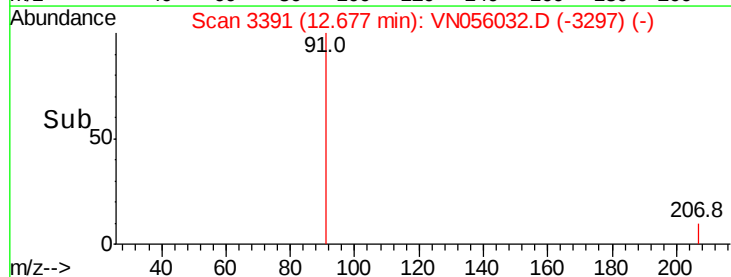
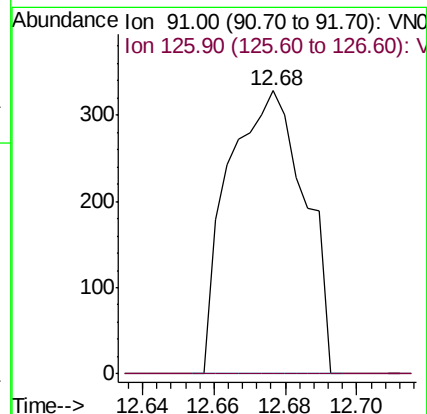
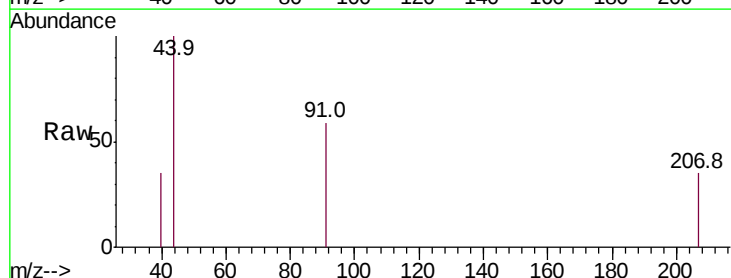
Acq: 6 Jun 2019 9:29

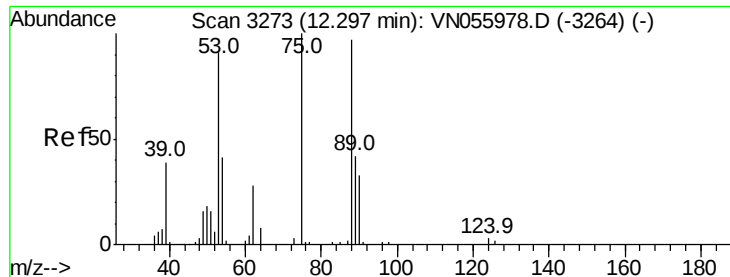
Tgt Ion: 91 Resp: 484

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 105.213 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBL01

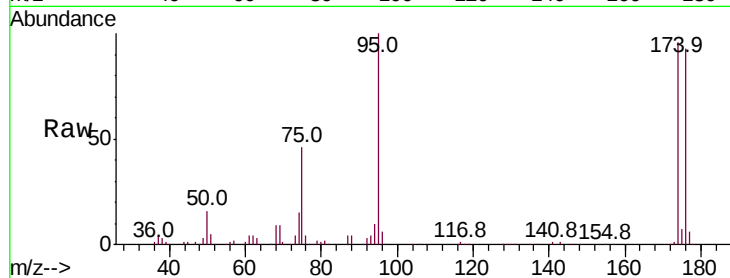
Tot Ion: 75 Resp: 83283

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

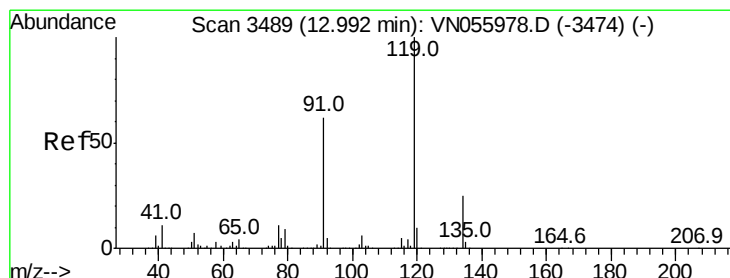
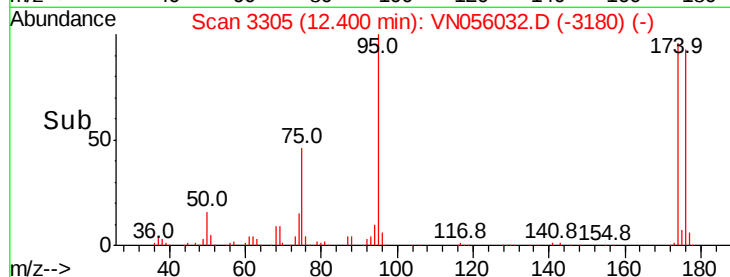
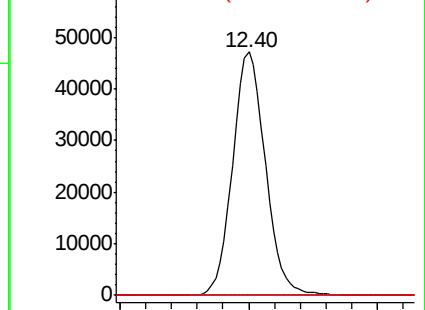
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

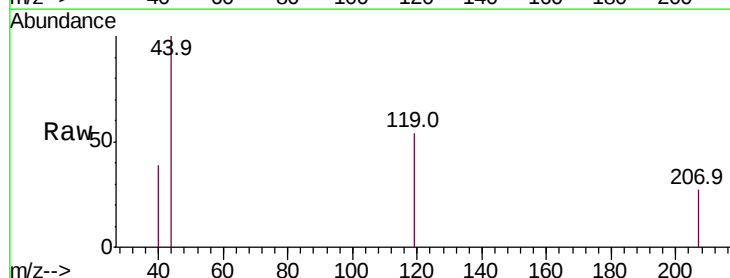
Tgt Ion: 119 Resp: 343

Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

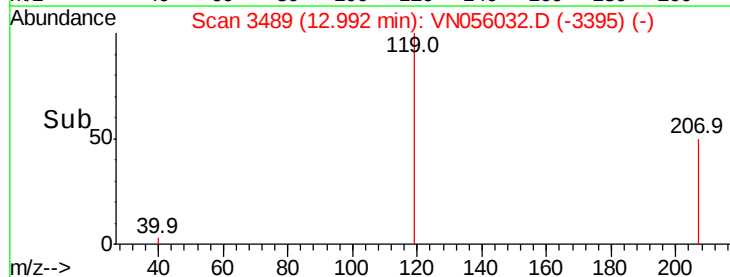
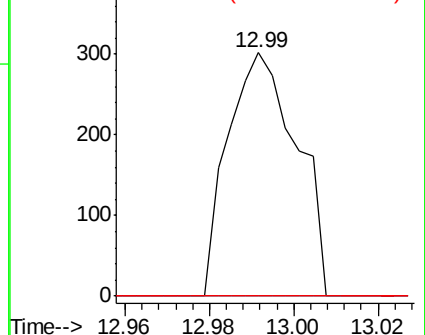
134 0.0 13.3 39.8#

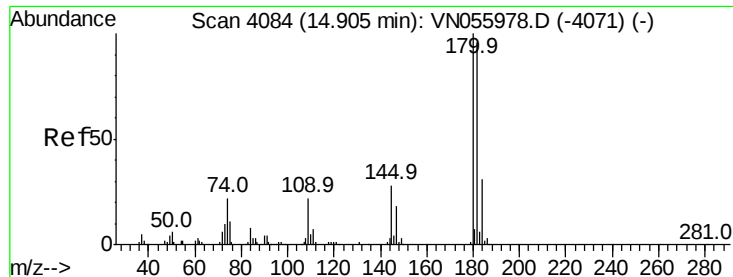


Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)

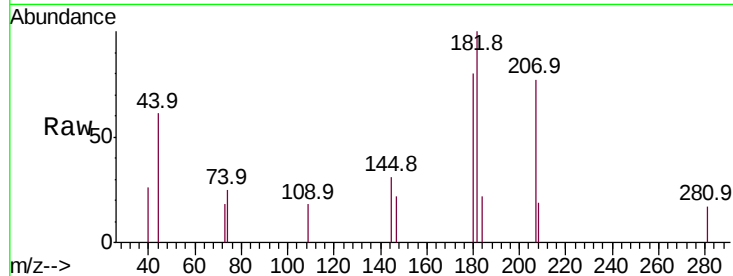




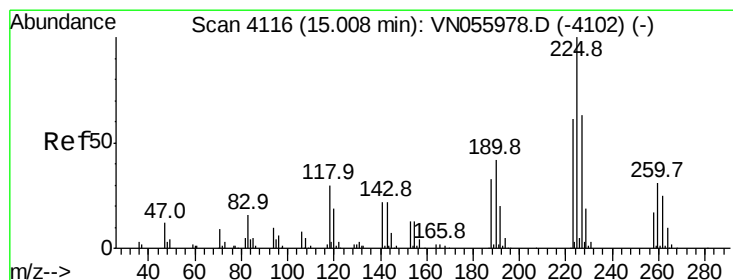
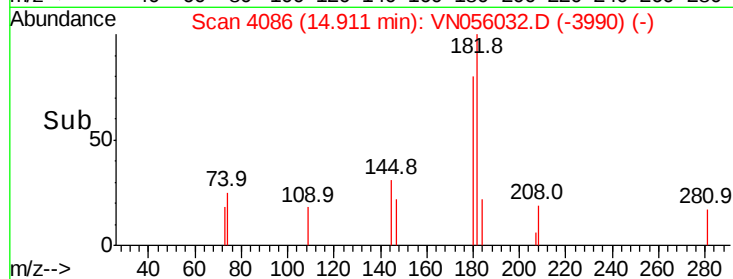
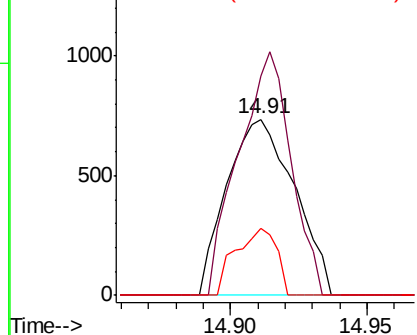
#93
 1,2,4-Trichlorobenzene
 Concen: 4.709 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056032.D
 Acq: 6 Jun 2019 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0607WBL01

Tot Ion:180 Resp: 1268
 Ion Ratio Lower Upper
 180 100
 182 106.9 48.3 144.9
 145 22.9 14.0 41.9

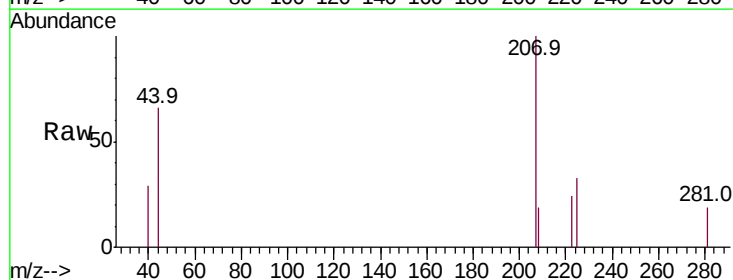


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

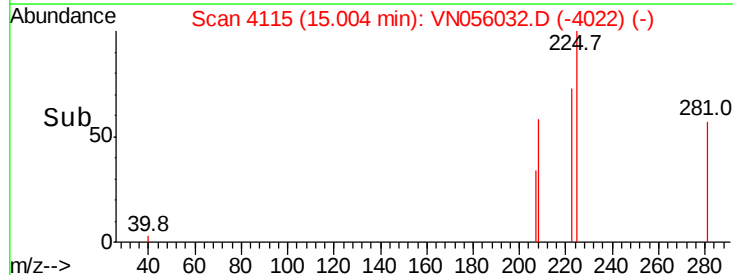
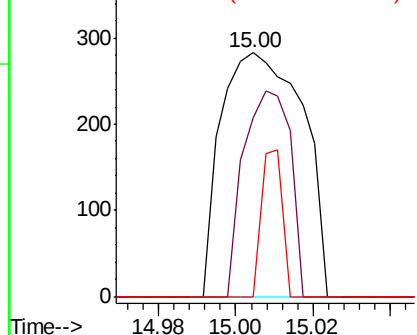


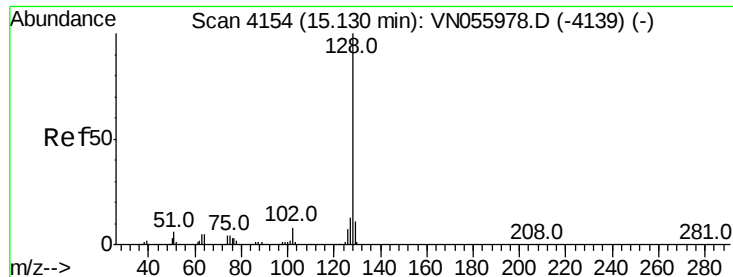
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056032.D
 Acq: 6 Jun 2019 9:29

Tgt Ion:225 Resp: 416
 Ion Ratio Lower Upper
 225 100
 223 47.8 30.9 92.7
 227 15.6 31.6 94.7#



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: 4.355 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBL01

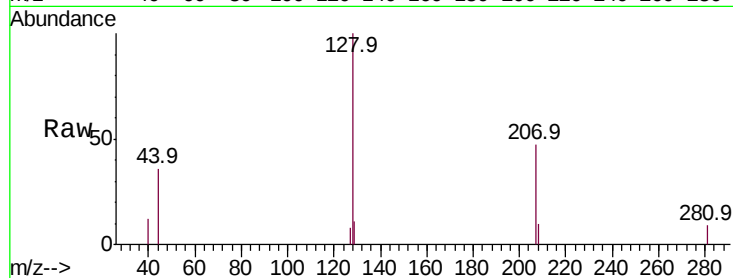
Tot Ion:128 Resp: 3738

Ion Ratio Lower Upper

128 100

127 4.0 10.3 15.5#

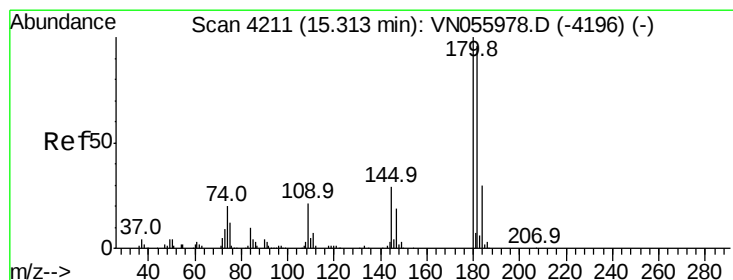
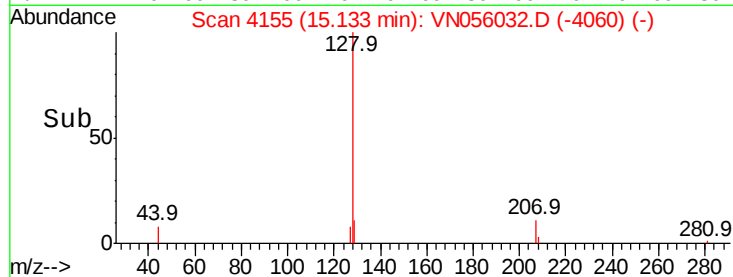
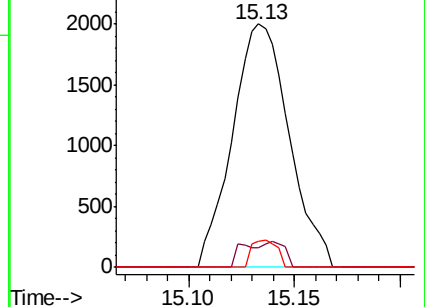
129 5.1 8.7 13.1#



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: 3.659 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056032.D

Acq: 6 Jun 2019 9:29

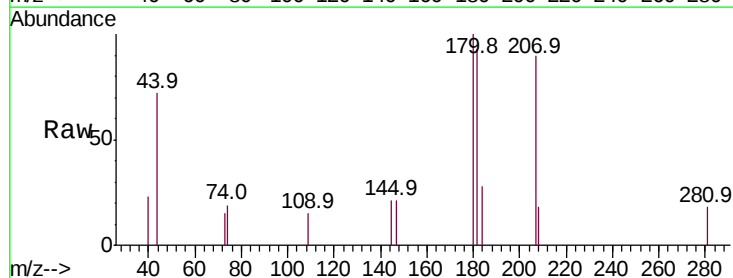
Tgt Ion:180 Resp: 1799

Ion Ratio Lower Upper

180 100

182 106.9 47.9 143.7

145 25.2 14.9 44.7



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

