

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055953.D
 Acq On : 3 Jun 2019 11:44
 Operator : JC/SP
 Sample : K3129-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 03 16:21:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

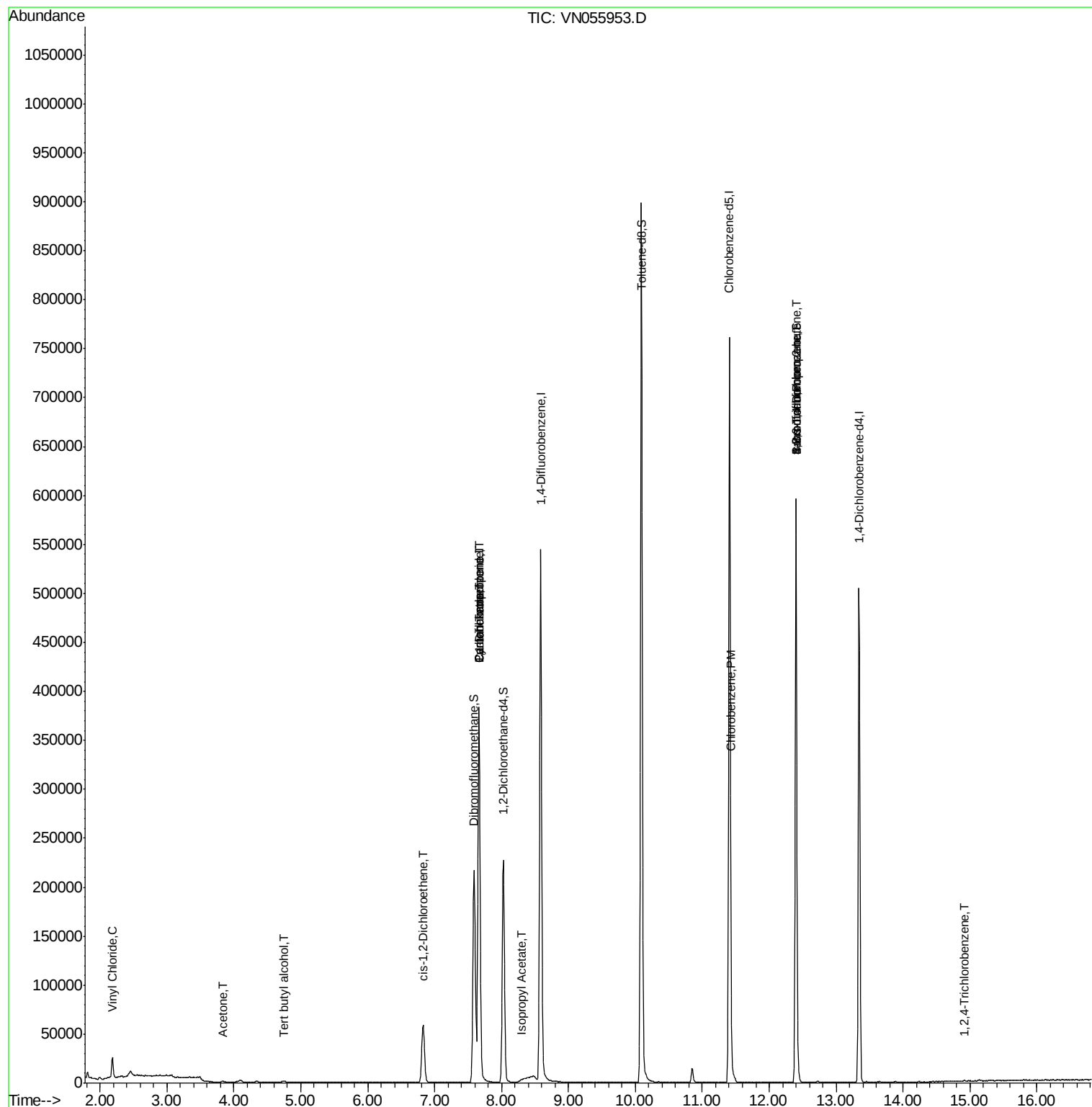
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	351910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	533086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154815	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	188380	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	7.59	113	167973	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	676946	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.40	95	211268	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.18	62	19554	5.525	ug/l	99
11) Tert butyl alcohol	4.75	59	1120	1.613	ug/l #	74
16) Acetone	3.83	43	1380	0.864	ug/l	97
18) Methyl Acetate	4.33	43	2288	Below Cal	#	77
27) cis-1,2-Dichloroethene	6.83	96	42266	11.267	ug/l	88
31) Cyclohexane	7.67	56	5174	0.949	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21684	4.668	ug/l #	42
38) Carbon Tetrachloride	7.66	117	29889	6.177	ug/l #	14
43) Isopropyl Acetate	8.30	43	2788	0.370	ug/l #	53
65) Chlorobenzene	11.43	112	5194	0.532	ug/l	96
71) Bromoform	12.40	173	1546	0.466	ug/l #	1
74) N-amyl acetate	12.07	43	177	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	96551	35.293	ug/l #	100
79) 2-Chlorotoluene	12.59	91	254	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	96551	83.911	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	246	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	236	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	362	3.749	ug/l #	84

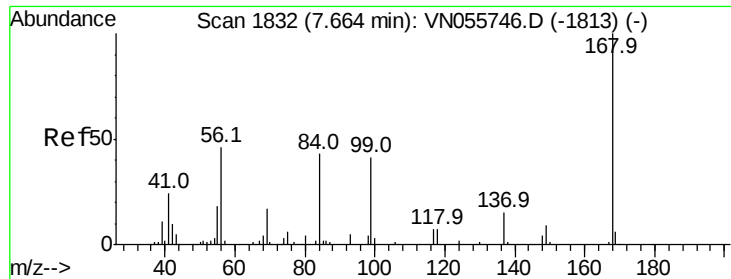
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 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: VN055953.D

Acq: 3 Jun 2019 11:44

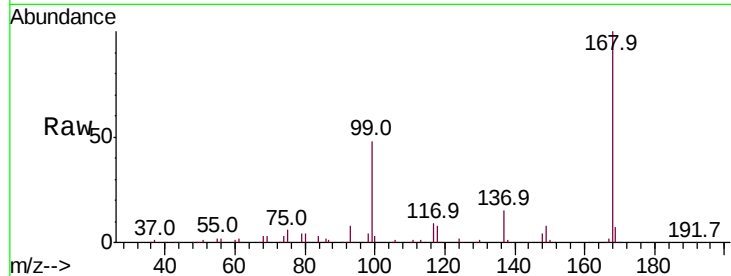
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 351910

Ion Ratio Lower Upper

168 100

99 48.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

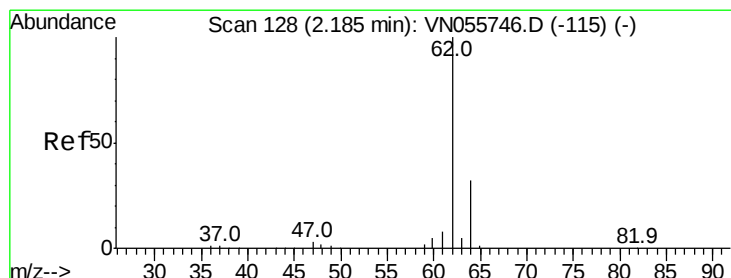
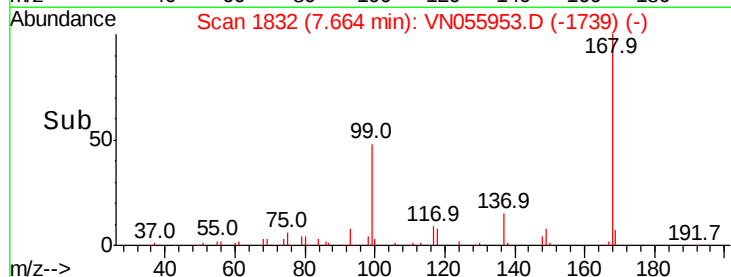
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 5.525 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055953.D

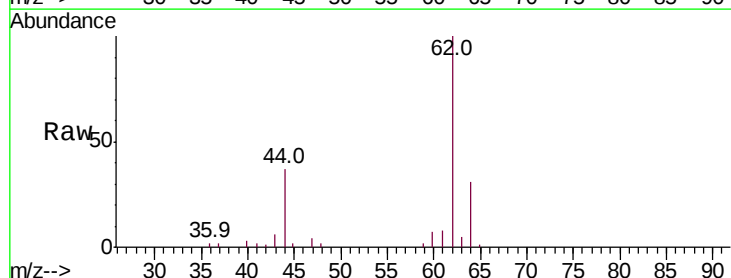
Acq: 3 Jun 2019 11:44

Tgt Ion: 62 Resp: 19554

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

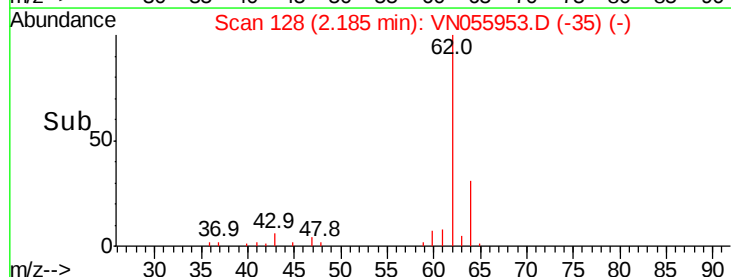
2.18

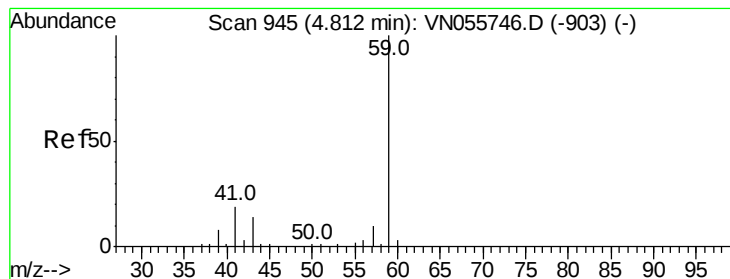
10000

5000

0

Time-->



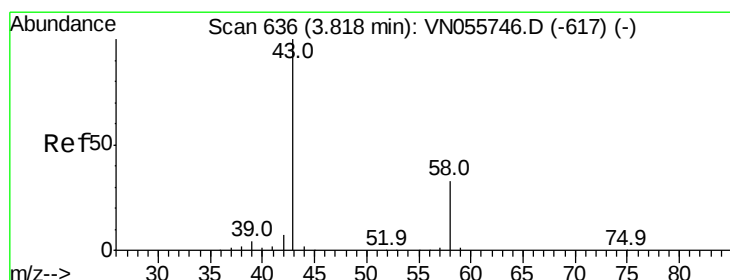
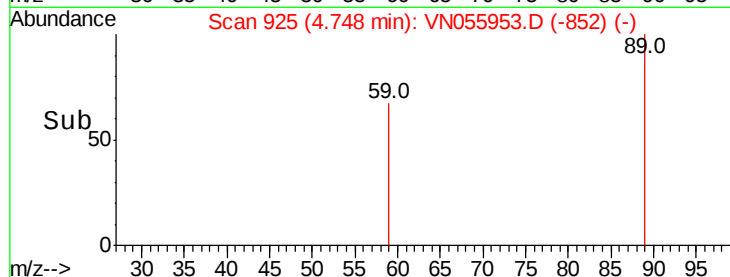
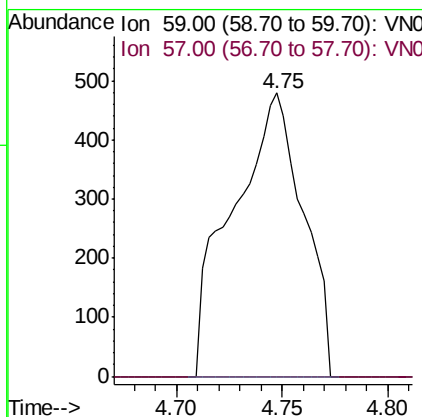
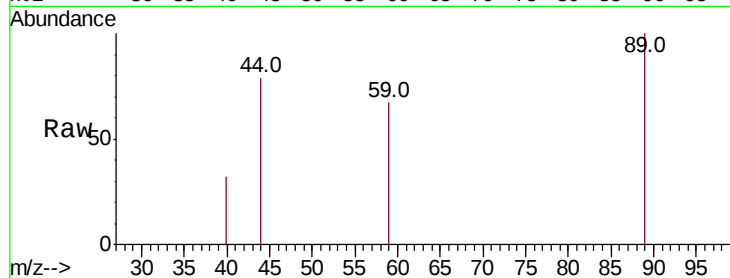


#11

Tert butyl alcohol
 Concen: 1.613 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.06 min
 Lab File: VN055953.D
 Acq: 3 Jun 2019 11:44

Instrument :
 MSVOA_N
 ClientSampled :

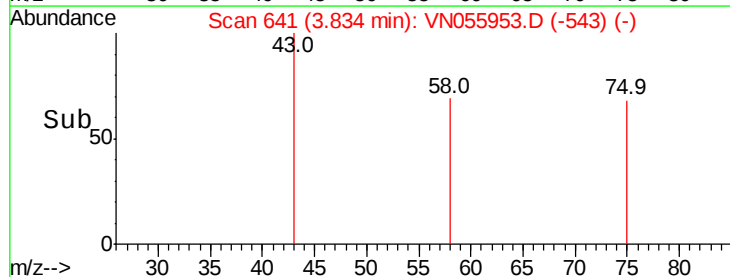
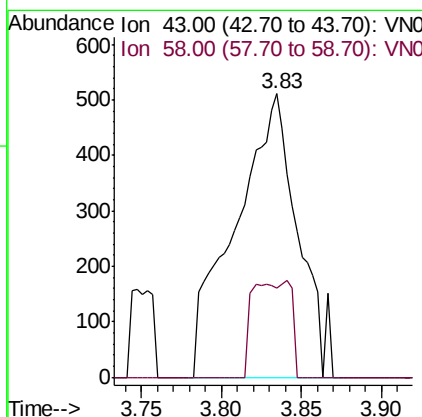
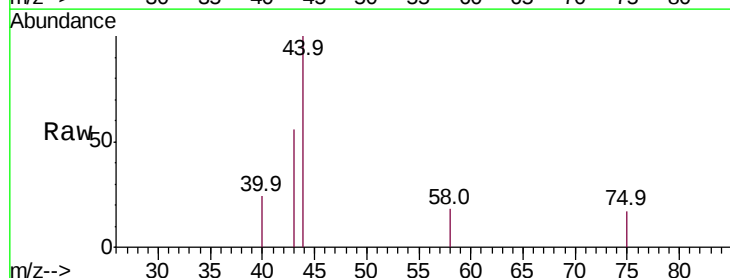
Tot Ion: 59 Resp: 1120
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

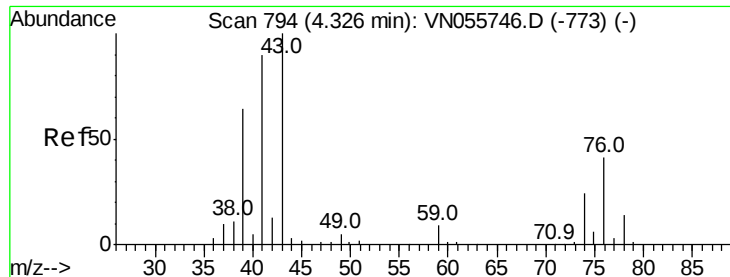


#16

Acetone
 Concen: 0.864 ug/l
 RT: 3.83 min Scan# 641
 Delta R.T. 0.02 min
 Lab File: VN055953.D
 Acq: 3 Jun 2019 11:44

Tgt Ion: 43 Resp: 1380
 Ion Ratio Lower Upper
 43 100
 58 31.5 26.6 39.8

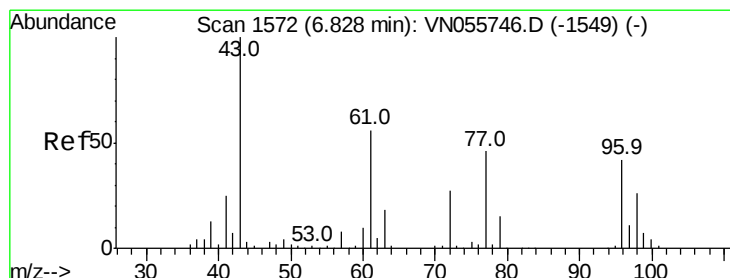
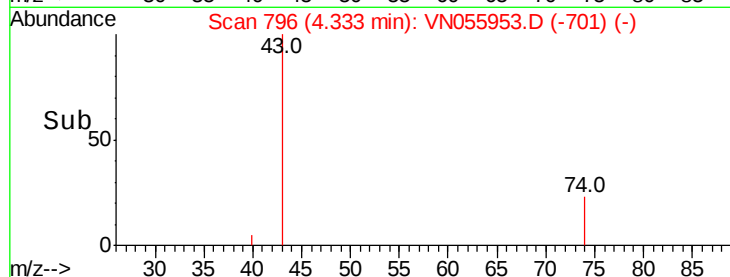
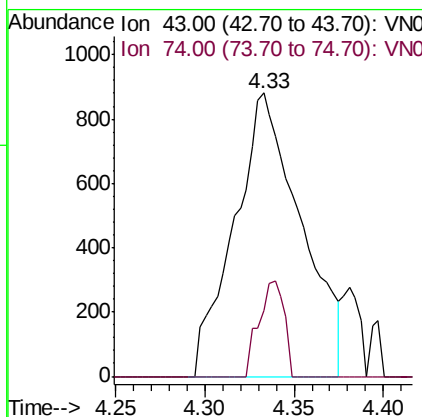
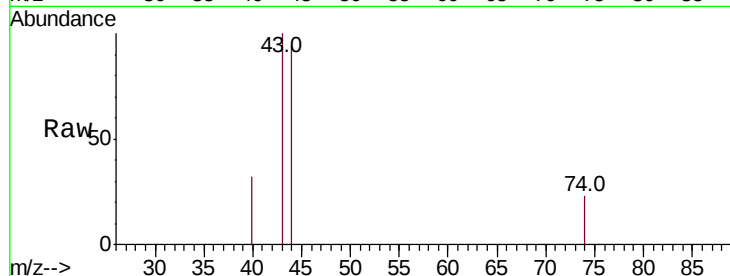




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055953.D
Acq: 3 Jun 2019 11:44

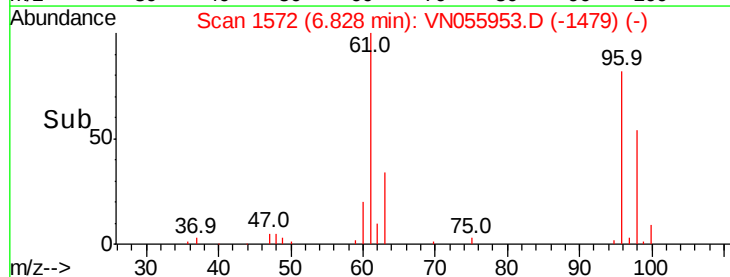
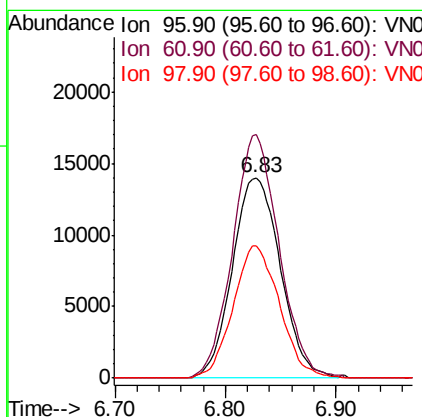
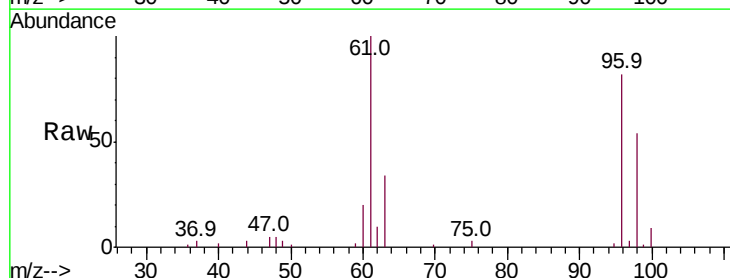
Instrument :
MSVOA_N
ClientSampled :

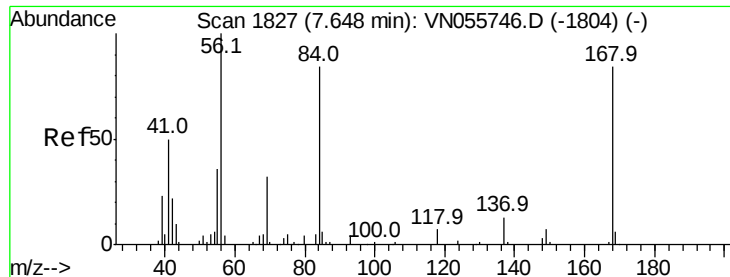
Tot Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
74 12.9 19.3 28.9#



#27
cis-1,2-Dichloroethene
Concen: 11.267 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055953.D
Acq: 3 Jun 2019 11:44

Tgt Ion: 96 Resp: 42266
Ion Ratio Lower Upper
96 100
61 117.2 0.0 275.8
98 63.8 0.0 128.4





#31

Cyclohexane

Concen: 0.949 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

Instrument :
MSVOA_N
ClientSampled :

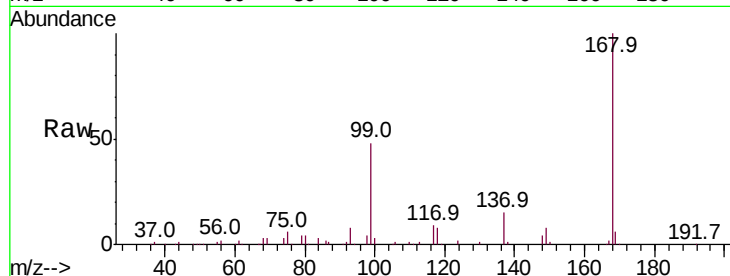
Tot Ion: 56 Resp: 5174

Ion Ratio Lower Upper

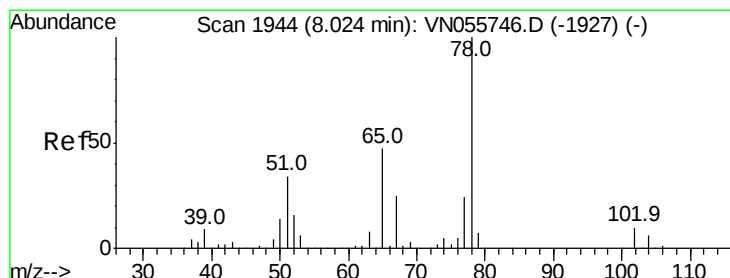
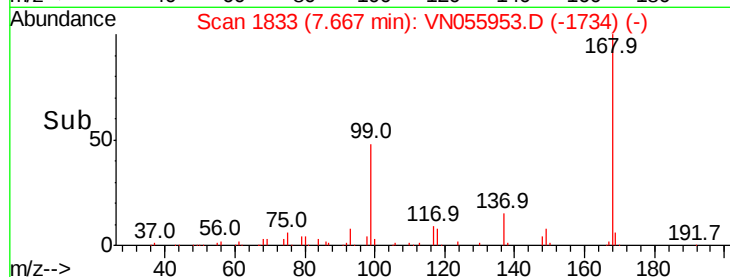
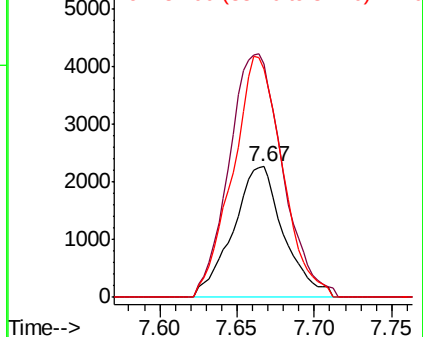
56 100

69 178.2 25.6 38.4#

84 174.4 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 51.835 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055953.D

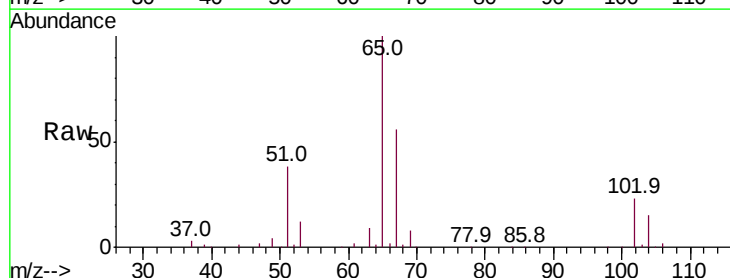
Acq: 3 Jun 2019 11:44

Tgt Ion: 65 Resp: 188380

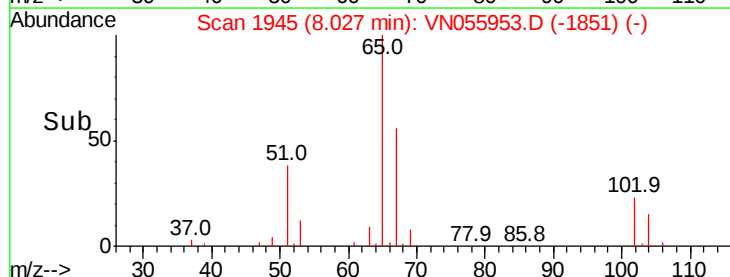
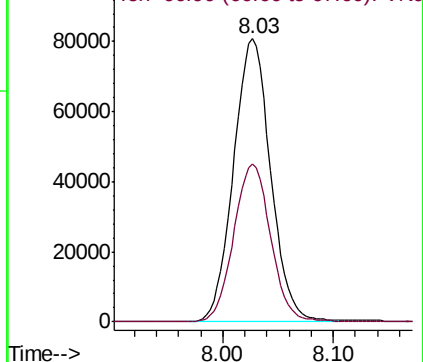
Ion Ratio Lower Upper

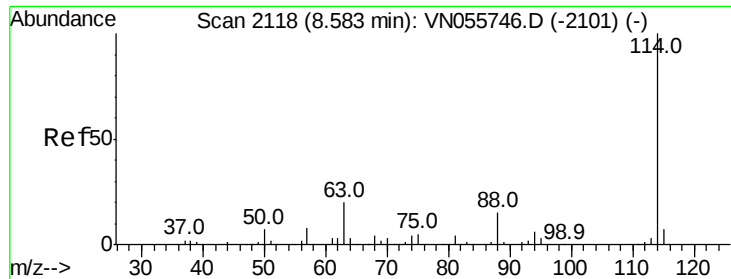
65 100

67 55.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

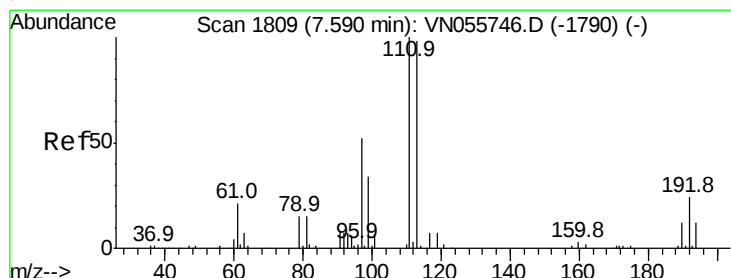
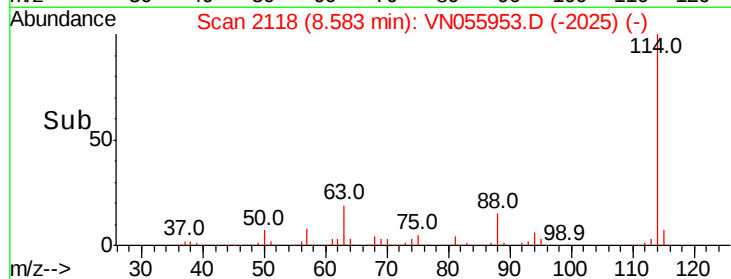
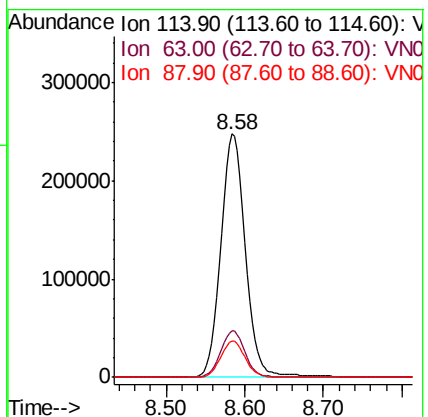
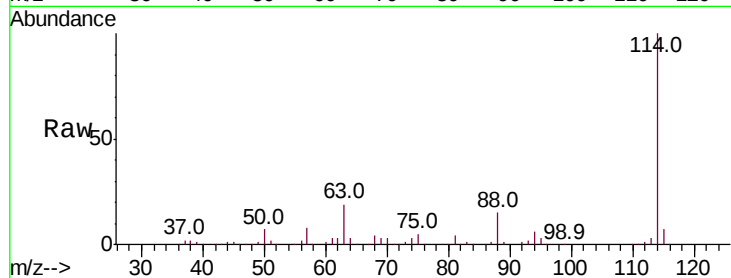




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055953.D
 Acq: 3 Jun 2019 11:44

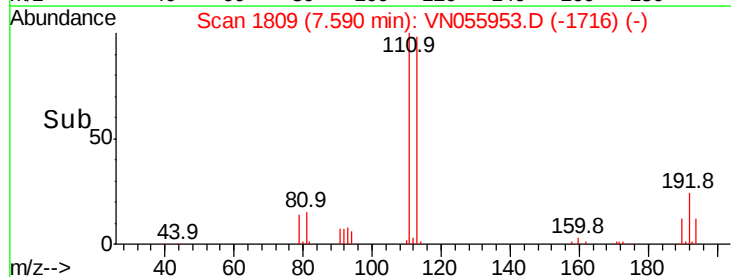
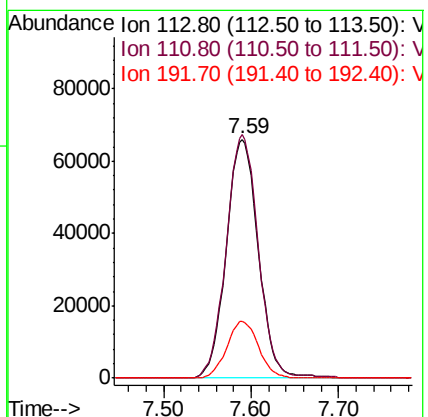
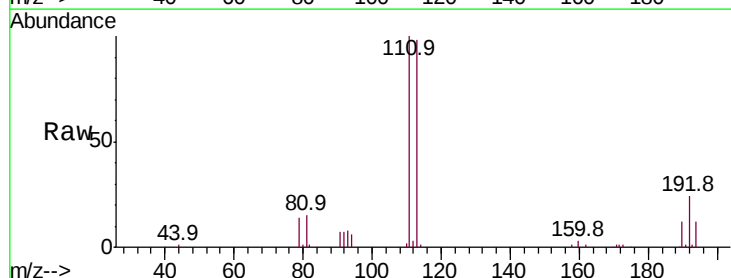
Instrument :
 MSVOA_N
 ClientSampleId :

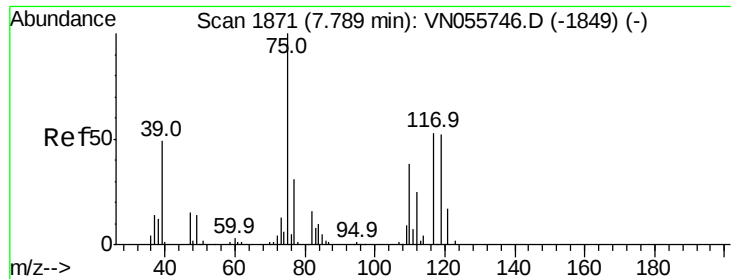
Tot Ion:114 Resp: 533086
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.0 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 49.838 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055953.D
 Acq: 3 Jun 2019 11:44

Tgt Ion:113 Resp: 167973
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.9 122.9
 192 23.8 19.5 29.3

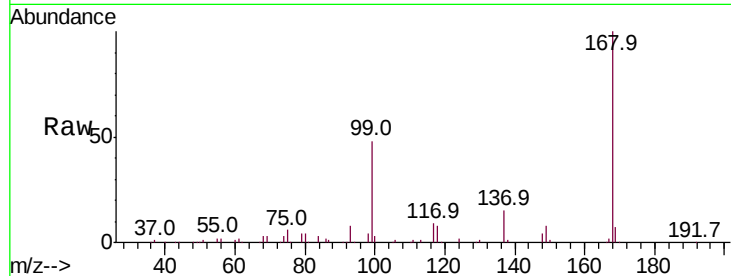




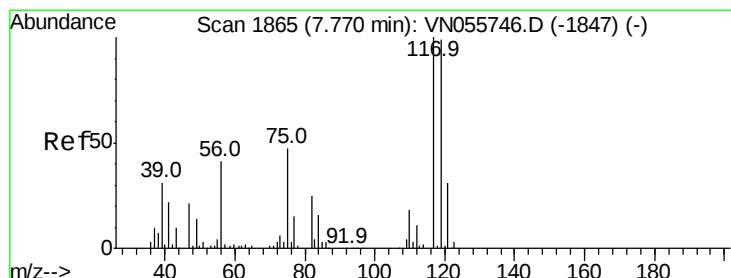
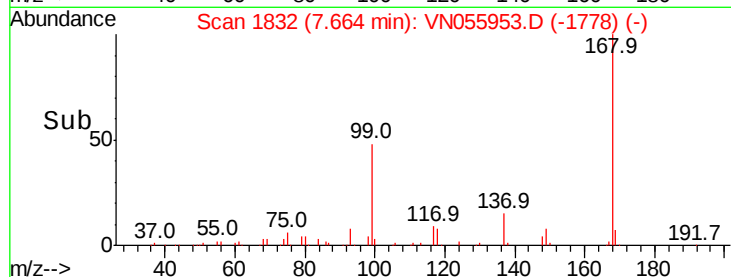
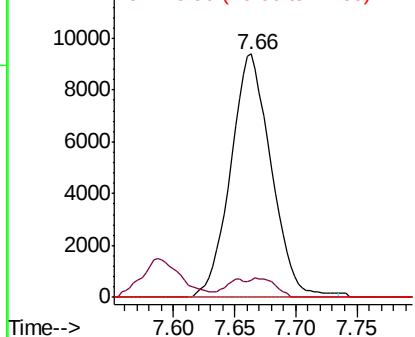
#36
 1,1-Dichloropropene
 Concen: 4.668 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055953.D
 Acq: 3 Jun 2019 11:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 21684
 Ion Ratio Lower Upper
 75 100
 110 2.6 19.0 57.0#
 77 0.0 25.1 37.7#

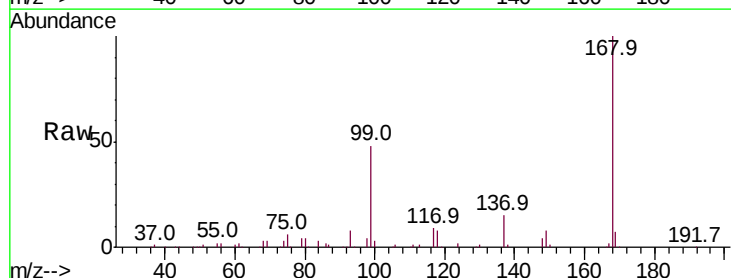


Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-1849) (-)
 Ion 109.90 (109.60 to 110.60): VN055746.D (-1849) (-)
 Ion 76.90 (76.60 to 77.60): VN055746.D (-1849) (-)

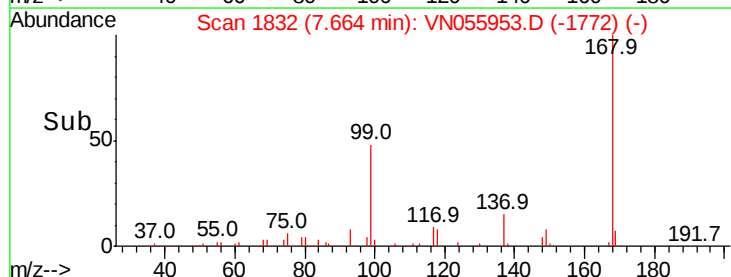
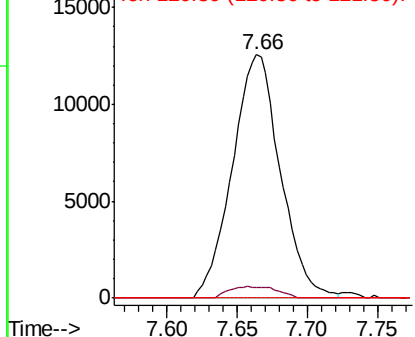


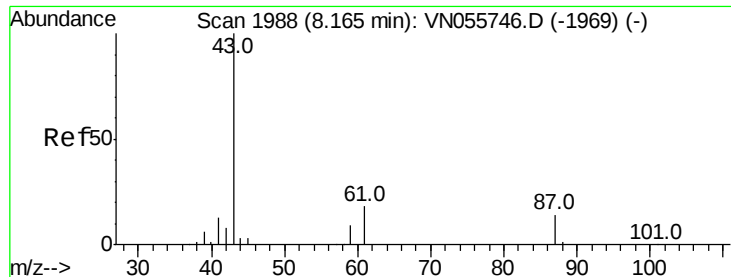
#38
 Carbon Tetrachloride
 Concen: 6.177 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055953.D
 Acq: 3 Jun 2019 11:44

Tgt Ion: 117 Resp: 29889
 Ion Ratio Lower Upper
 117 100
 119 4.4 79.0 118.6#
 121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 0.370 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

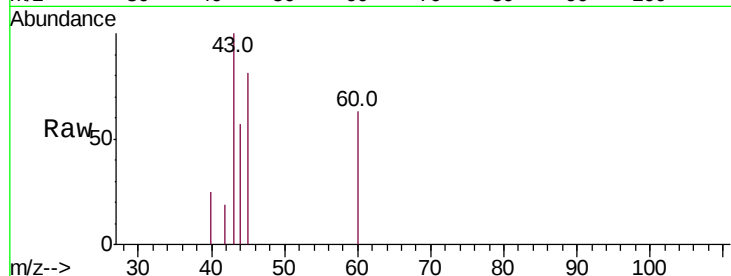
Tot Ion: 43 Resp: 2788

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

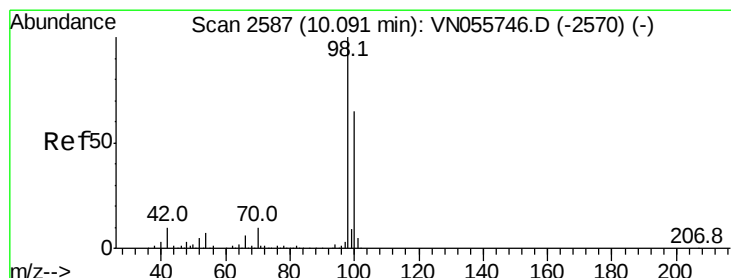
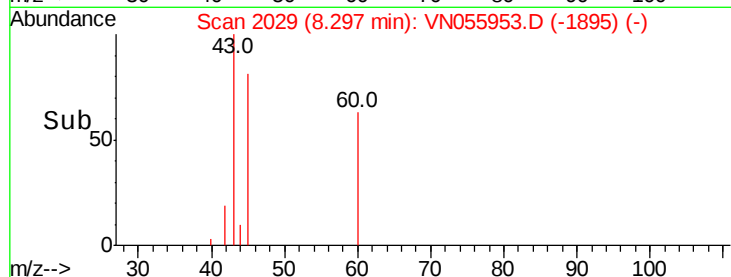
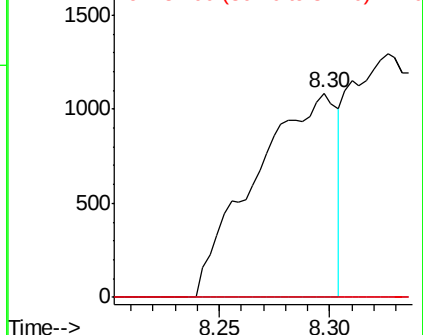
87 0.0 11.4 17.2#



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: 52.361 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055953.D

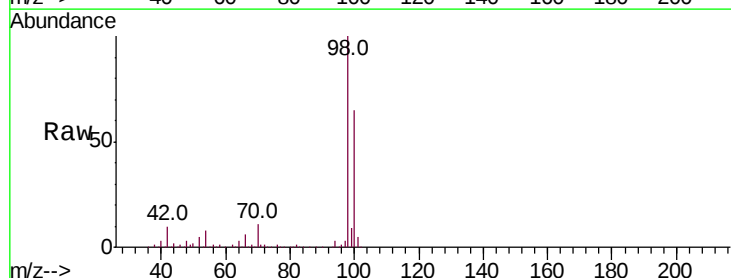
Acq: 3 Jun 2019 11:44

Tgt Ion: 98 Resp: 676946

Ion Ratio Lower Upper

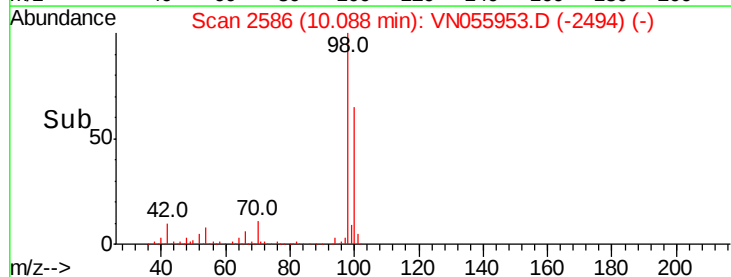
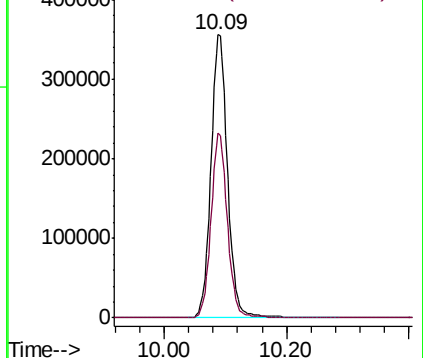
98 100

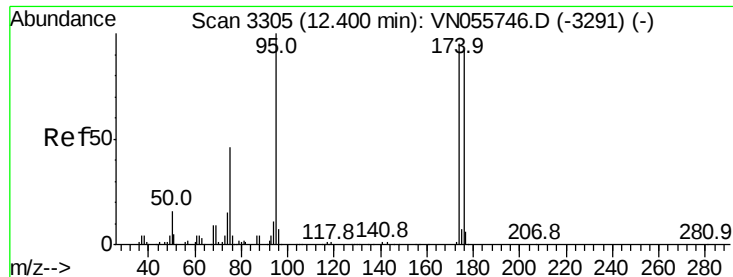
100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 47.658 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

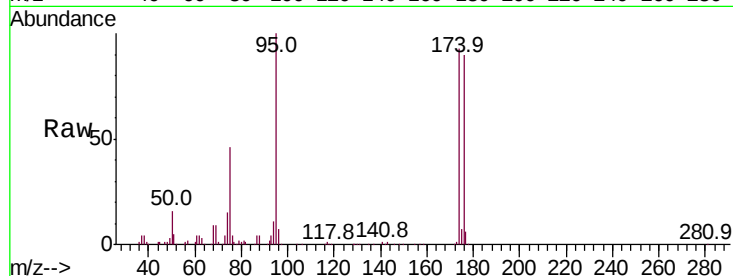
Tot Ion: 95 Resp: 211268

Ion Ratio Lower Upper

95 100

174 93.7 0.0 191.0

176 90.8 0.0 185.2

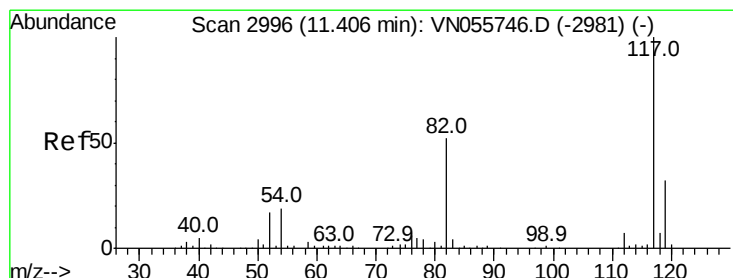
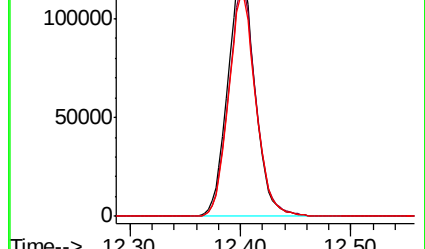
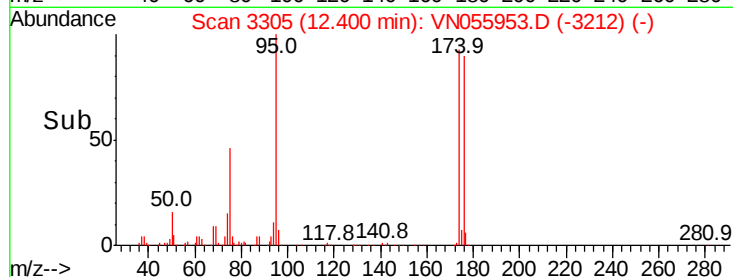


Abundance Ion 94.90 (94.60 to 95.60): VN055746.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055746.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055746.D (-3291) (-)

12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

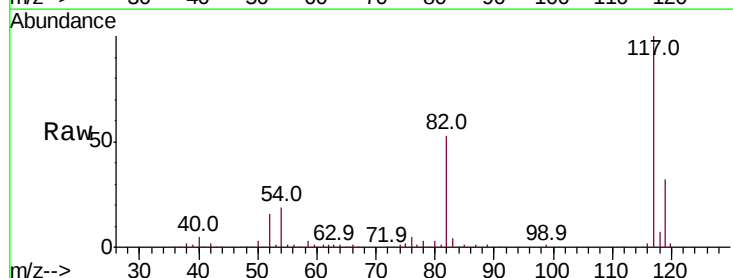
Tgt Ion: 117 Resp: 487356

Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.8

119 32.5 25.4 38.0

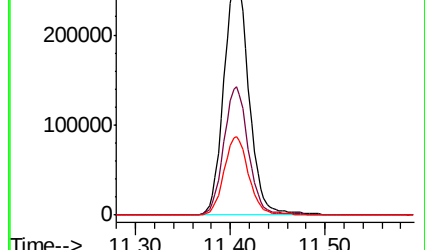
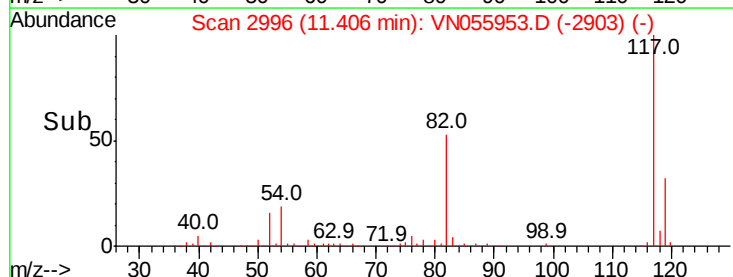


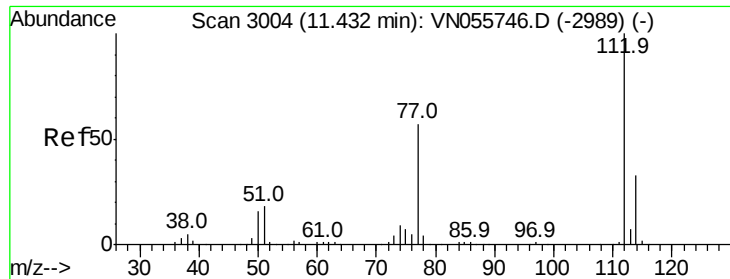
Abundance Ion 116.90 (116.60 to 117.60): VN055746.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055746.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055746.D (-2981) (-)

11.41

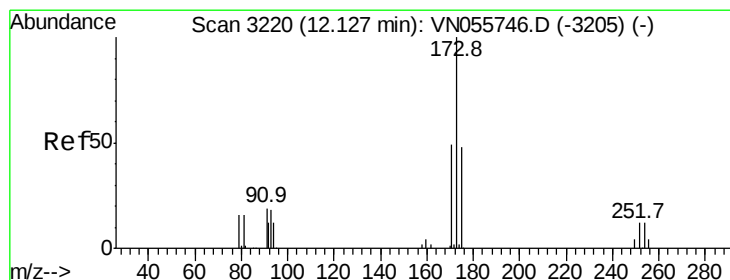
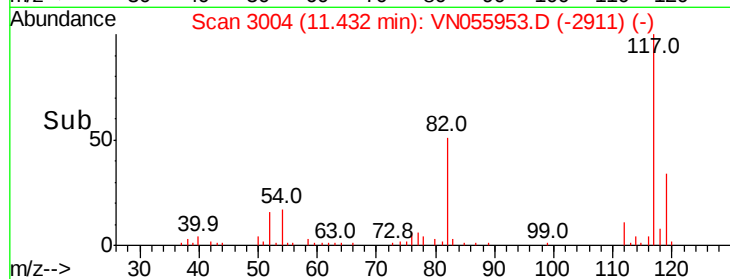
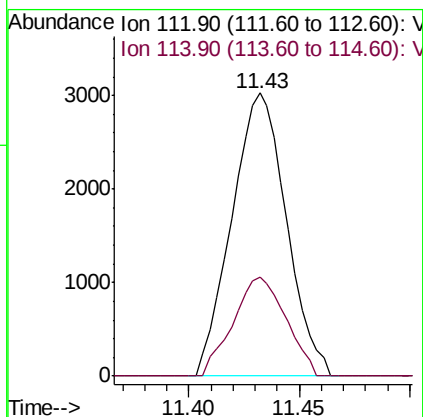
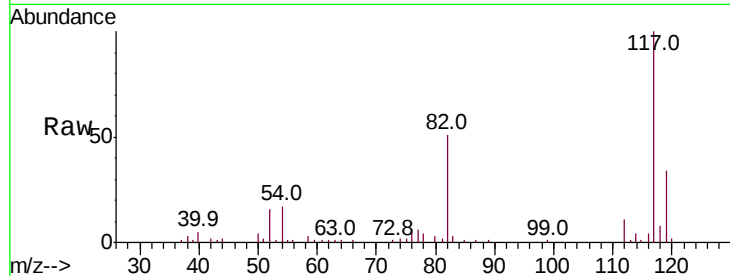




#65
Chlorobenzene
Concen: 0.532 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055953.D
Acq: 3 Jun 2019 11:44

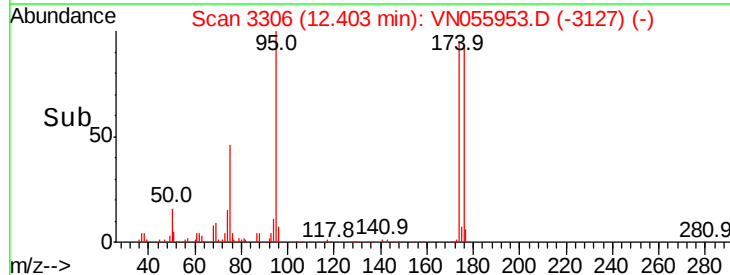
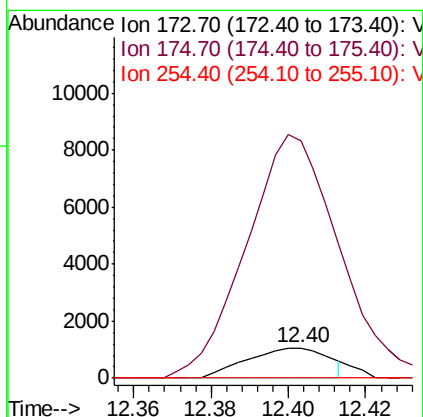
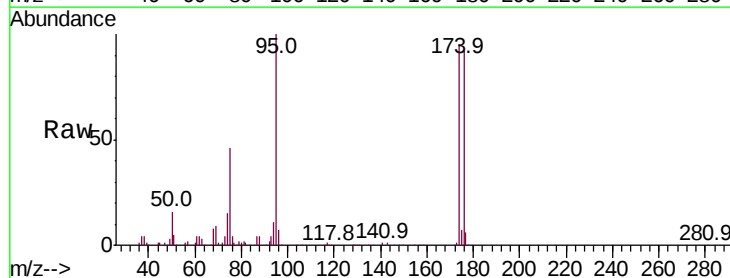
Instrument :
MSVOA_N
ClientSampled :

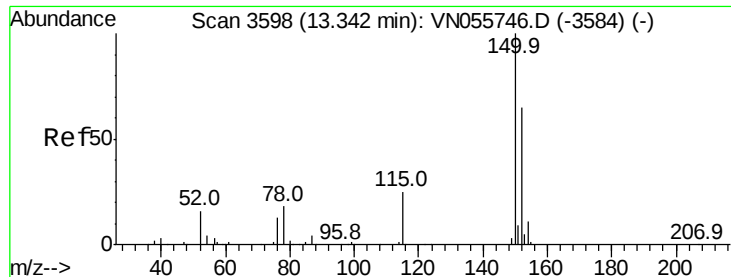
Tot Ion:112 Resp: 5194
Ion Ratio Lower Upper
112 100
114 35.0 26.2 39.4



#71
Bromoform
Concen: 0.466 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055953.D
Acq: 3 Jun 2019 11:44

Tgt Ion:173 Resp: 1546
Ion Ratio Lower Upper
173 100
175 802.6 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: VN055953.D

Acq: 3 Jun 2019 11:44

Instrument :

MSVOA_N

ClientSampled :

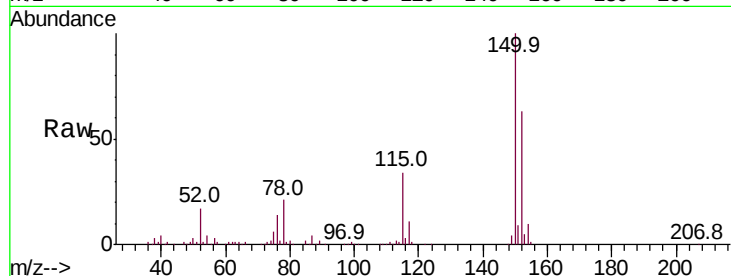
Tot Ion:152 Resp: 154815

Ion Ratio Lower Upper

152 100

115 54.1 27.0 81.0

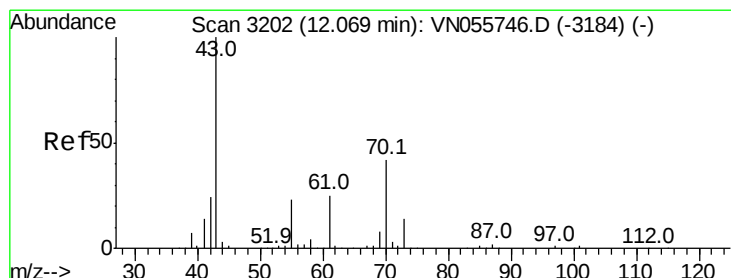
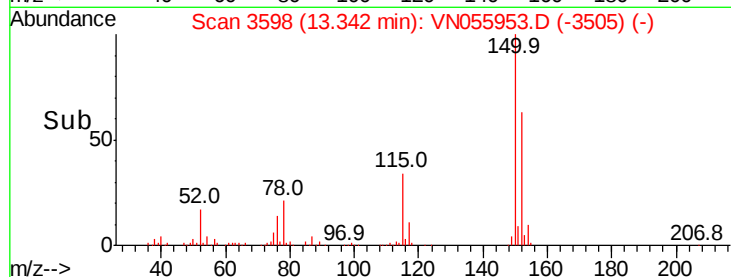
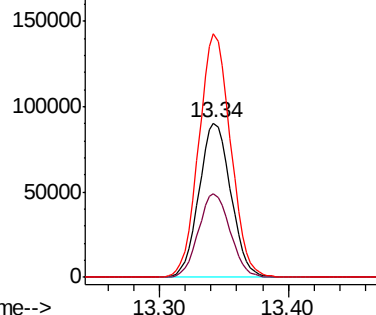
150 157.5 0.0 343.2



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

Tgt Ion: 43 Resp: 177

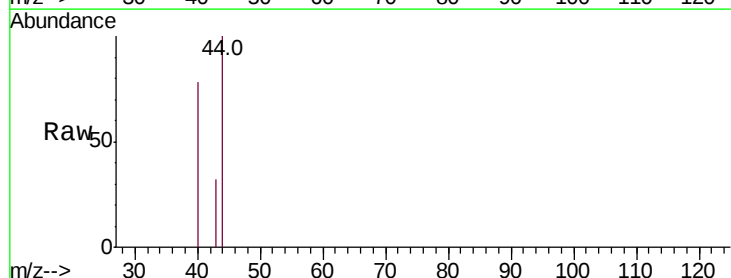
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

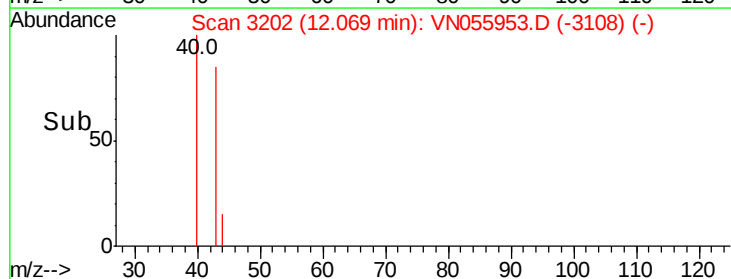
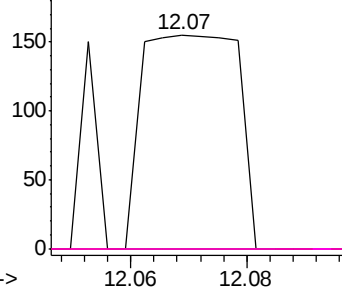


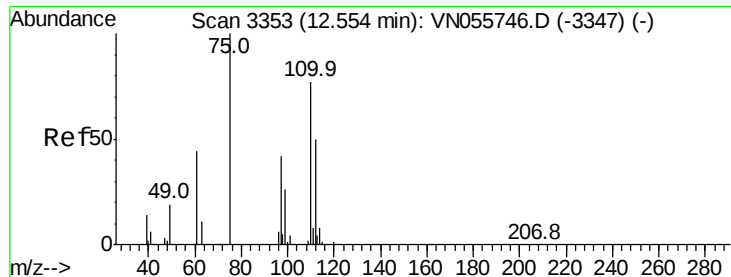
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.293 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

Instrument :

MSVOA_N

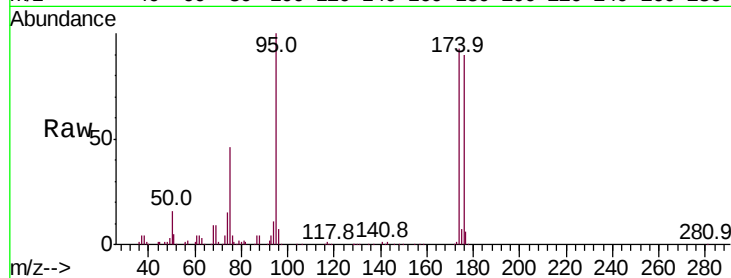
ClientSampled :

Tot Ion: 75 Resp: 96551

Ion Ratio Lower Upper

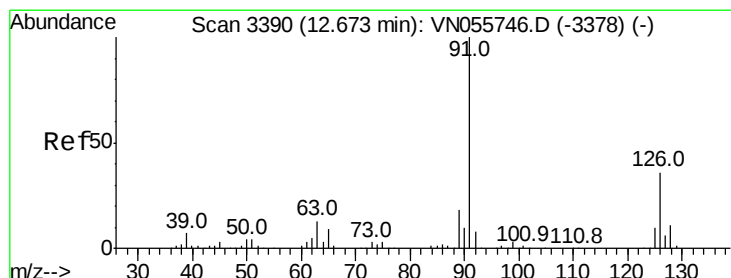
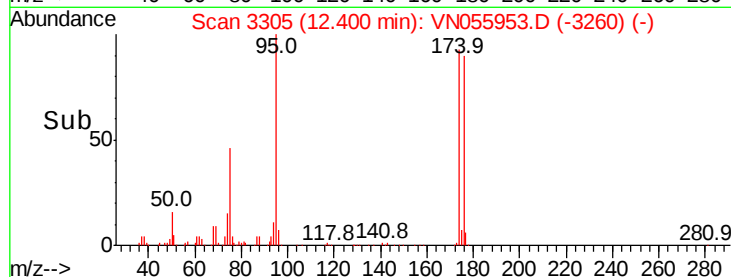
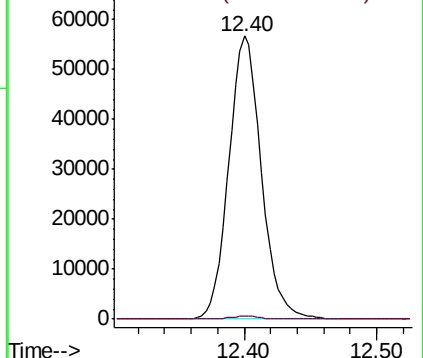
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN055953.D

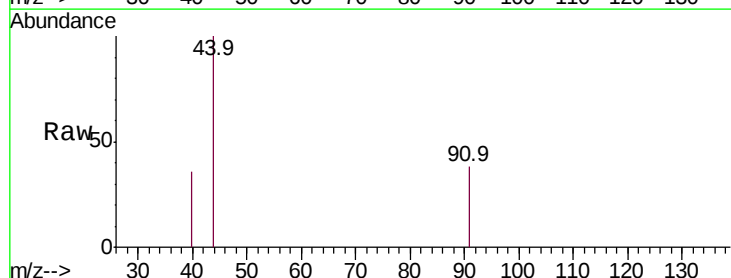
Acq: 3 Jun 2019 11:44

Tgt Ion: 91 Resp: 254

Ion Ratio Lower Upper

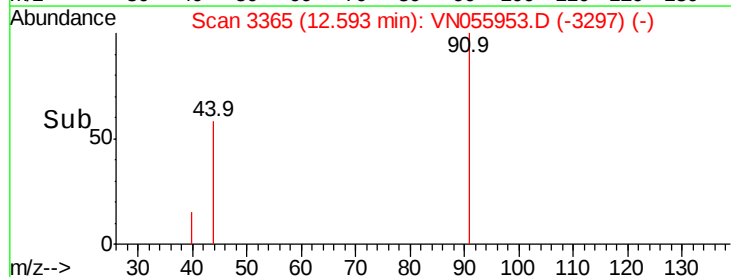
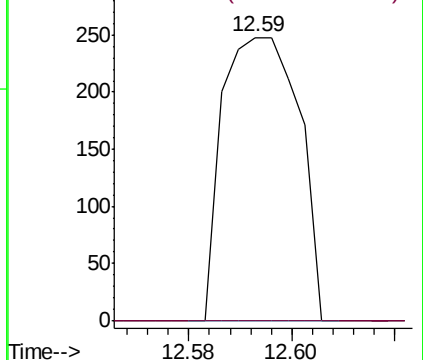
91 100

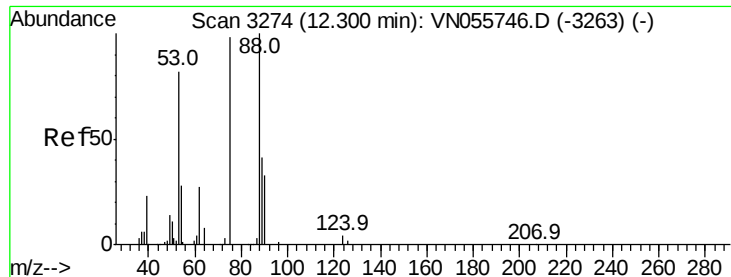
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 83.911 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

Instrument :

MSVOA_N

ClientSampleId :

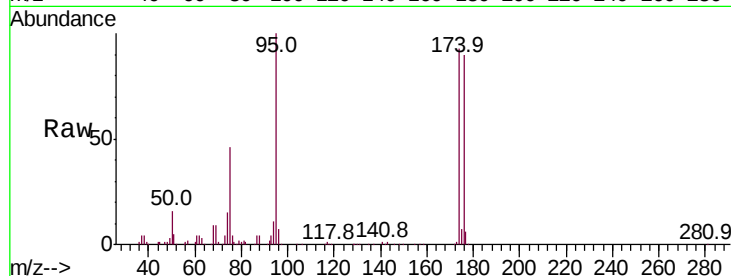
Tot Ion: 75 Resp: 96551

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

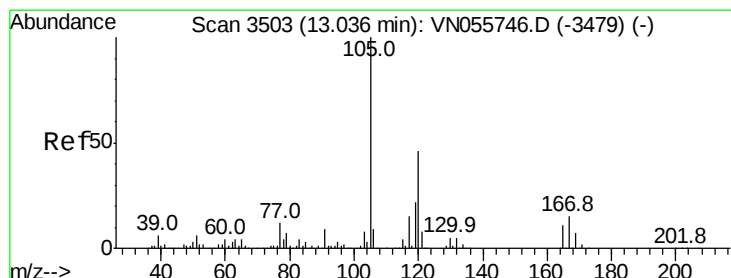
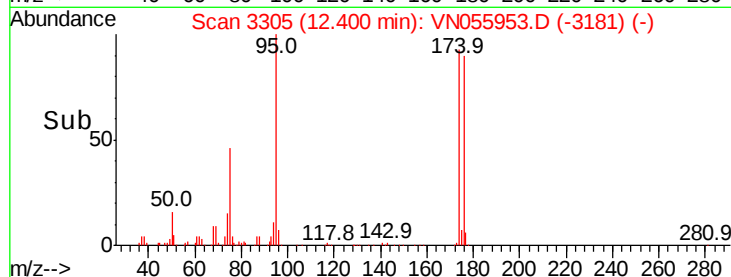
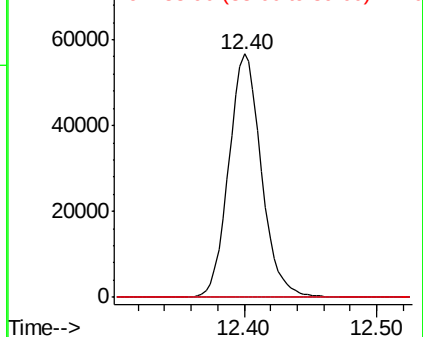
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3505

Delta R.T. 0.01 min

Lab File: VN055953.D

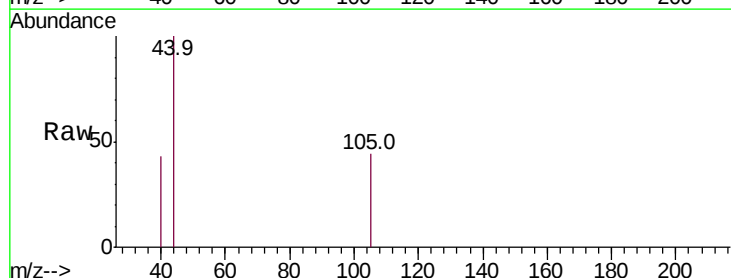
Acq: 3 Jun 2019 11:44

Tgt Ion: 105 Resp: 246

Ion Ratio Lower Upper

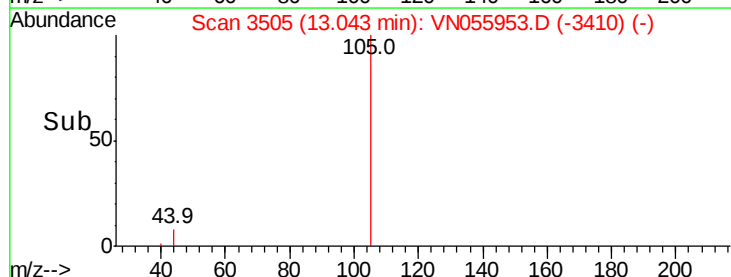
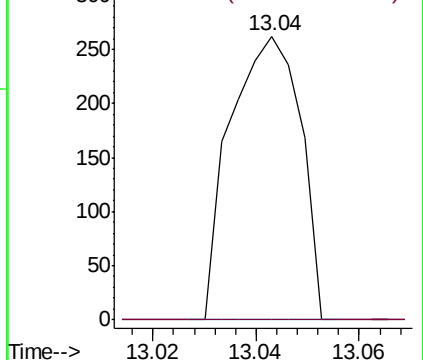
105 100

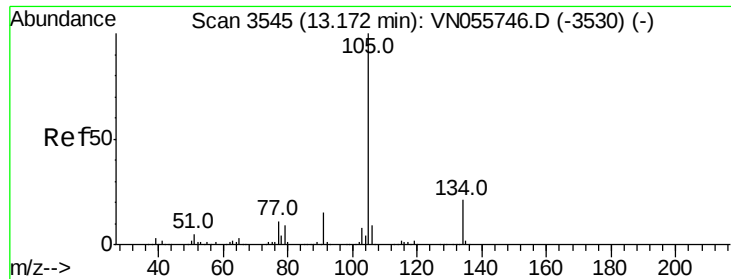
120 0.0 23.0 69.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

Instrument :

MSVOA_N

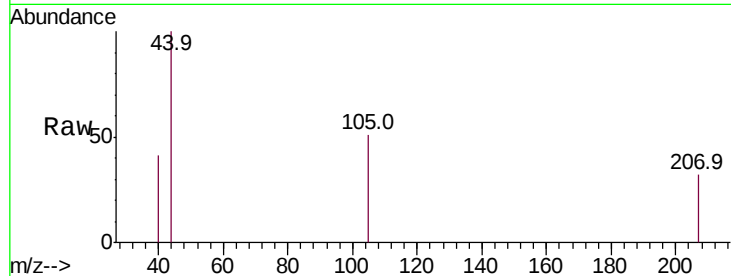
ClientSampleId :

Tot Ion:105 Resp: 236

Ion Ratio Lower Upper

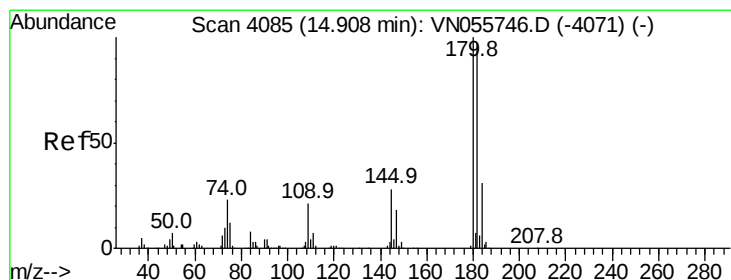
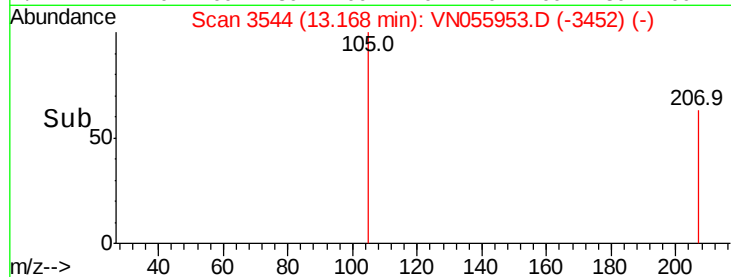
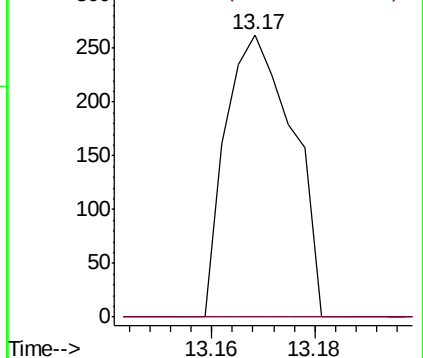
105 100

134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 3.749 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055953.D

Acq: 3 Jun 2019 11:44

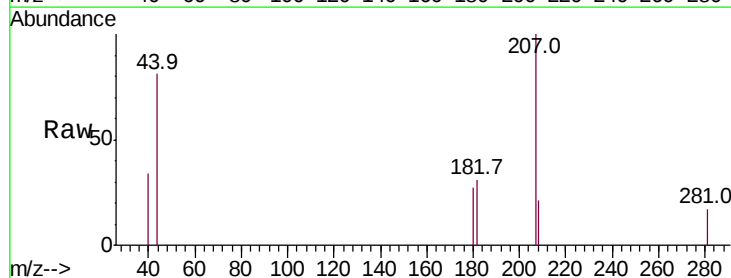
Tgt Ion:180 Resp: 362

Ion Ratio Lower Upper

180 100

182 91.7 48.3 144.9

145 0.0 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

