

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055923.D
 Acq On : 31 May 2019 16:49
 Operator : JC/SP
 Sample : K3129-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-TB02-190528

Quant Time: Jun 01 02:02:35 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

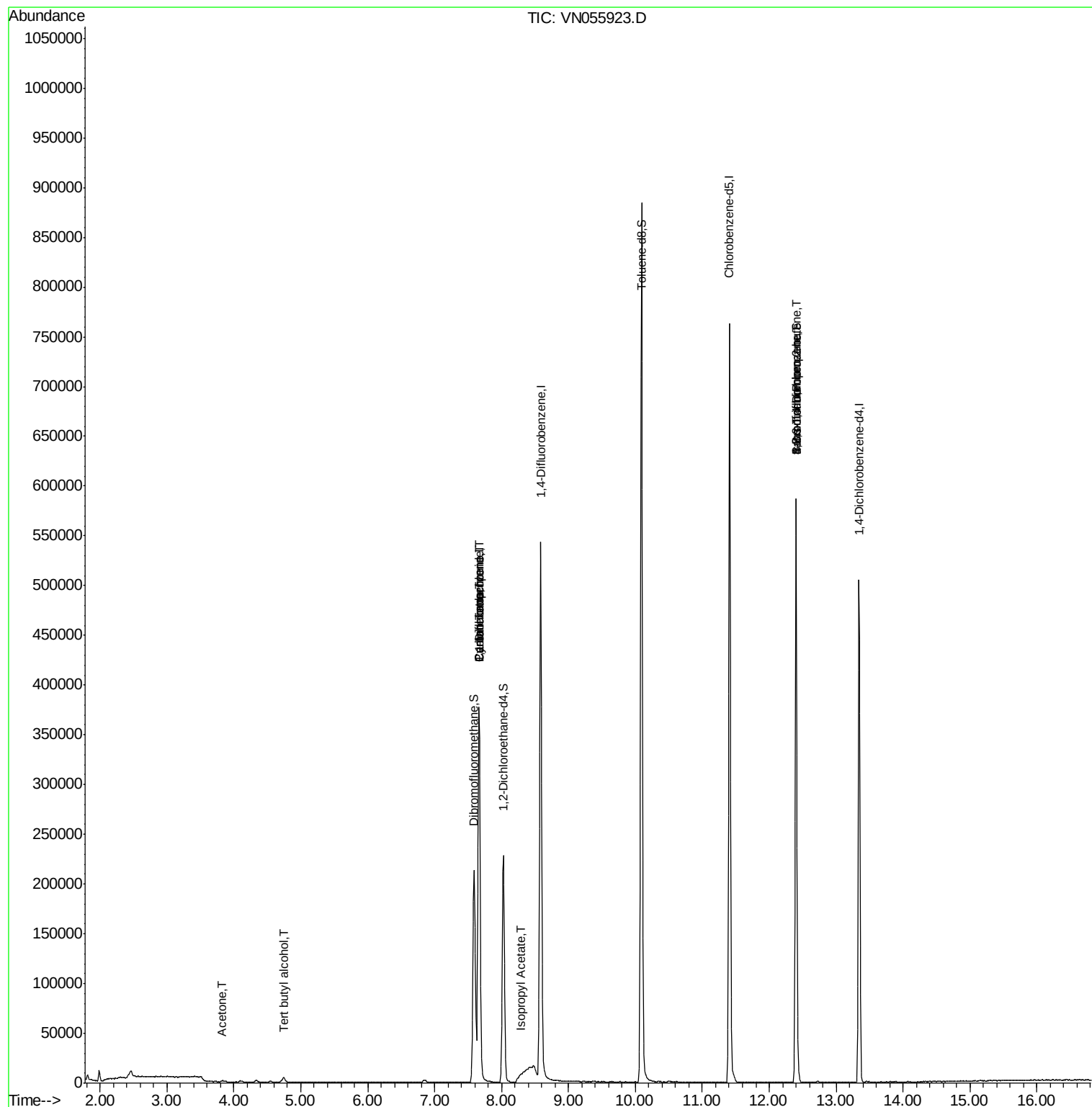
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	349285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	532418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	481621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	190842	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	7.59	113	165339	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	664177	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	206330	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	4773	6.925	ug/l #	74
16) Acetone	3.83	43	2719	1.715	ug/l	97
18) Methyl Acetate	4.33	43	3909	Below Cal	#	73
31) Cyclohexane	7.67	56	5501	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21458	4.625	ug/l #	48
38) Carbon Tetrachloride	7.66	117	28735	5.946	ug/l #	15
43) Isopropyl Acetate	8.27	43	6383	0.847	ug/l #	53
71) Bromoform	12.40	173	1500	0.457	ug/l #	1
73) Isopropylbenzene	12.40	105	140	Below Cal	#	48
74) N-amyl acetate	12.09	43	195	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	96491	35.235	ug/l #	100
79) 2-Chlorotoluene	12.40	91	538	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	96491	83.787	ug/l #	15

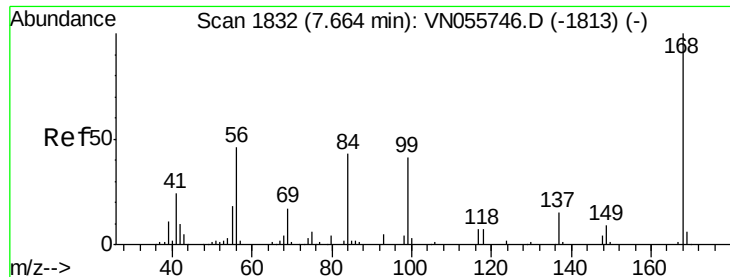
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053119\
Data File : VN055923.D
Acq On : 31 May 2019 16:49
Operator : JC/SP
Sample : K3129-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z1-TB02-190528

Quant Time: Jun 01 02:02:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
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: VN055923.D

Acq: 31 May 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

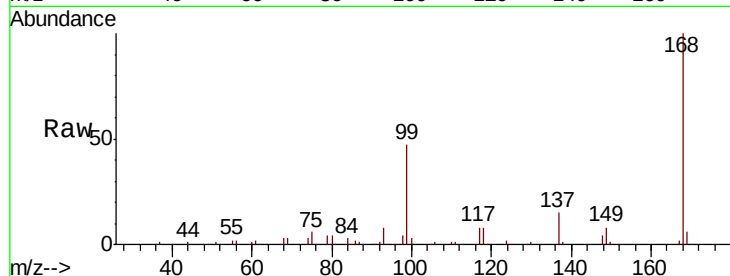
Z1-TB02-190528

Tot Ion:168 Resp: 349285

Ion Ratio Lower Upper

168 100

99 46.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

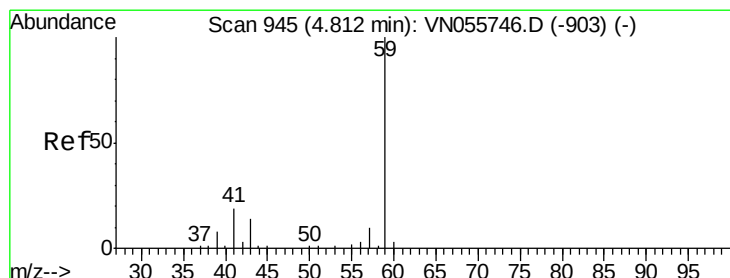
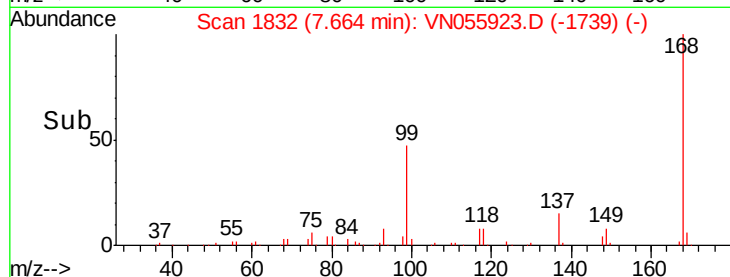
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.925 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN055923.D

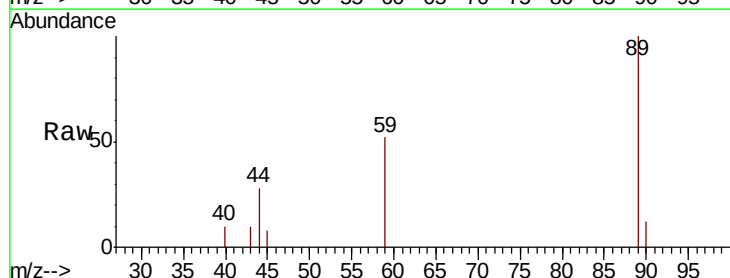
Acq: 31 May 2019 16:49

Tgt Ion: 59 Resp: 4773

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

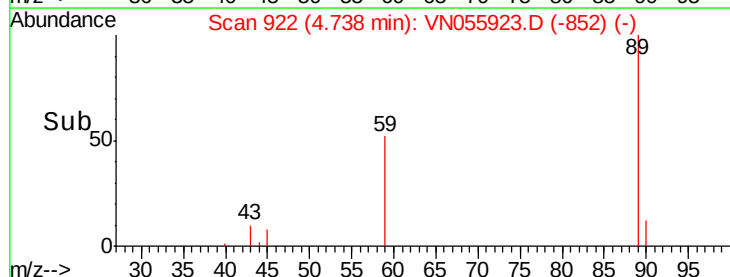
1500

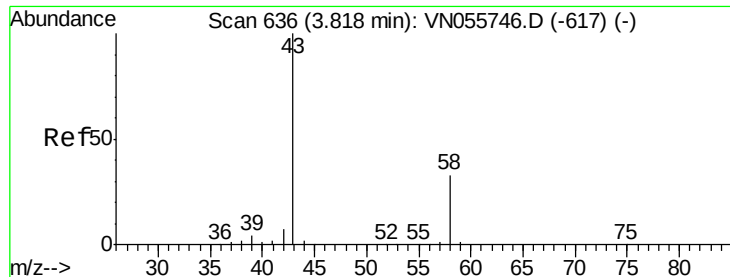
1000

500

0

Time-->





#16

Acetone

Concen: 1.715 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

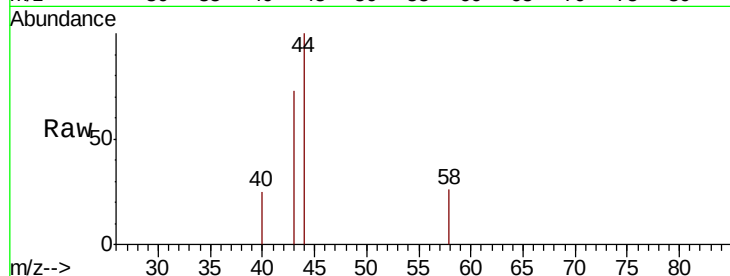
Z1-TB02-190528

Tot Ion: 43 Resp: 2719

Ion Ratio Lower Upper

43 100

58 35.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

800

600

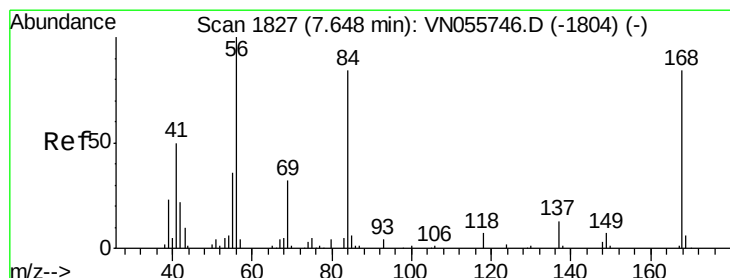
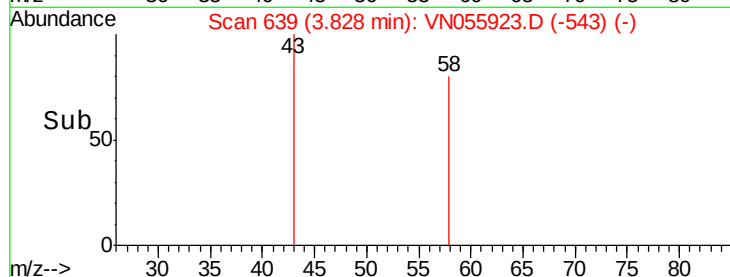
400

200

0

3.75 3.80 3.85 3.90

Time-->



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

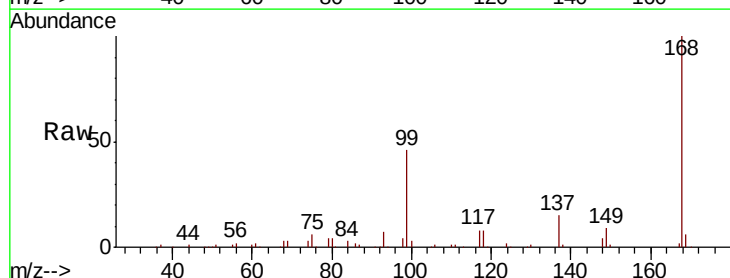
Tgt Ion: 56 Resp: 5501

Ion Ratio Lower Upper

56 100

69 178.9 25.6 38.4#

84 153.7 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

6000

5000

4000

3000

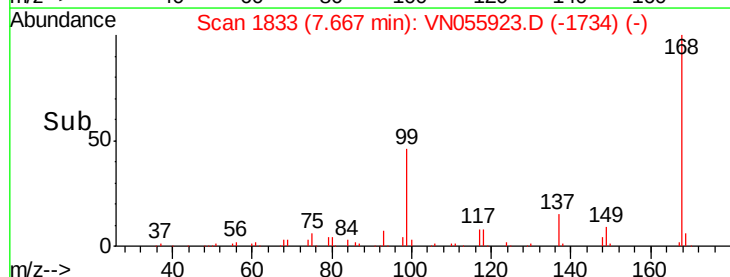
2000

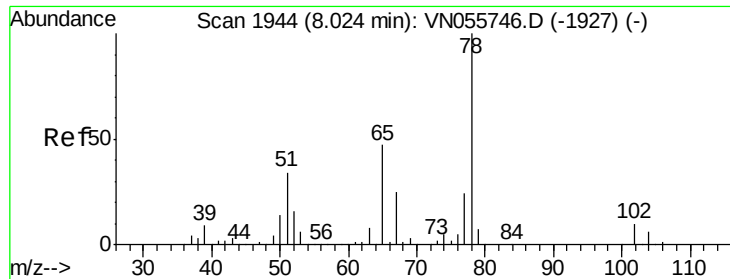
1000

0

7.60 7.65 7.70

Time-->

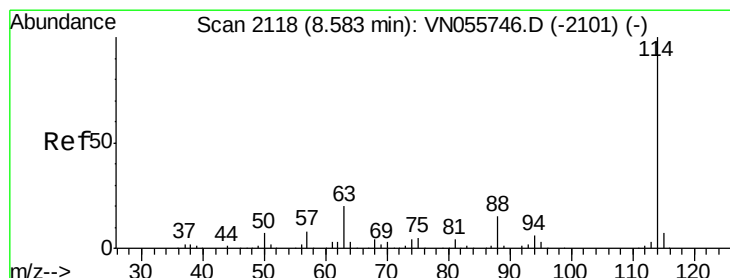
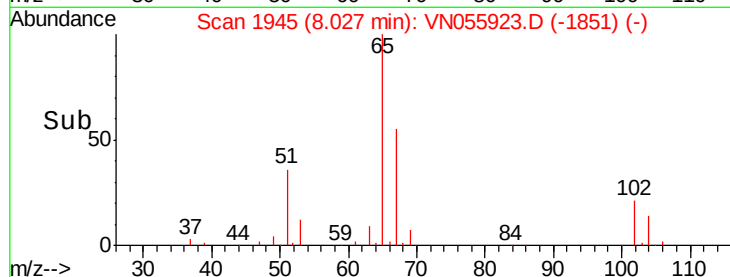
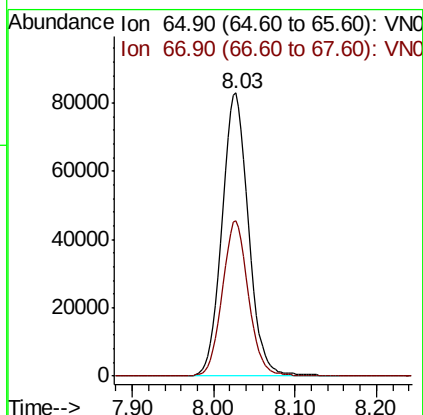
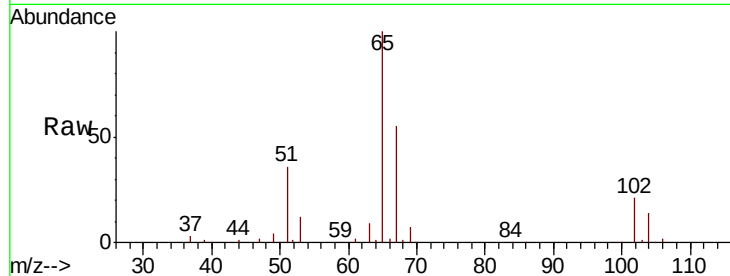




#33
 1,2-Dichloroethane-d4
 Concen: 52.907 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055923.D
 Acq: 31 May 2019 16:49

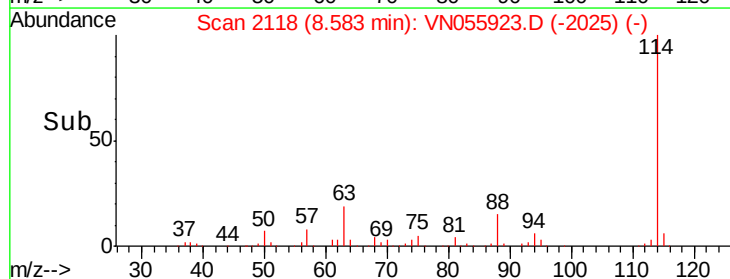
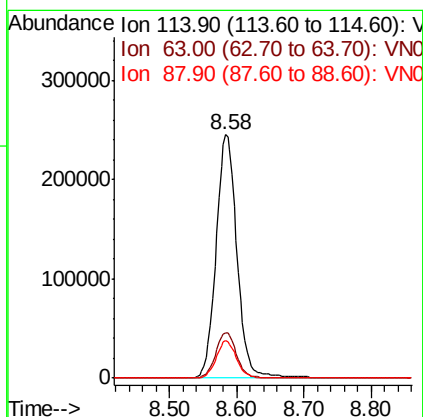
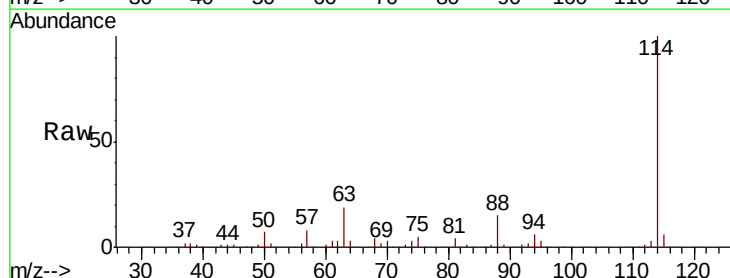
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-TB02-190528

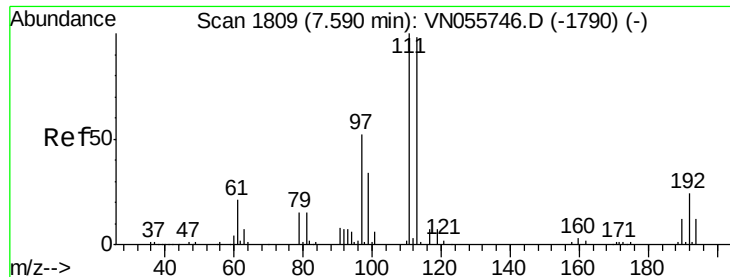
Tot Ion: 65 Resp: 190842
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055923.D
 Acq: 31 May 2019 16:49

Tgt Ion: 114 Resp: 532418
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.4 0.0 31.0

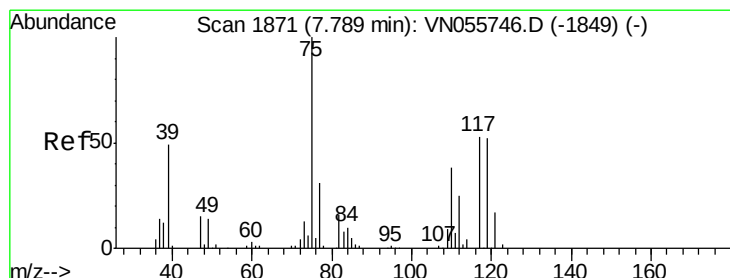
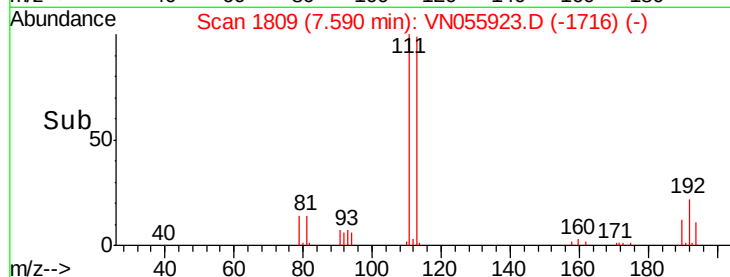
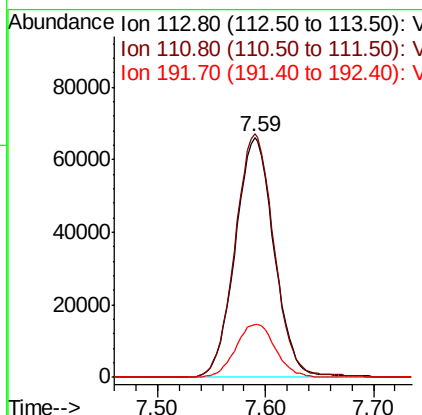
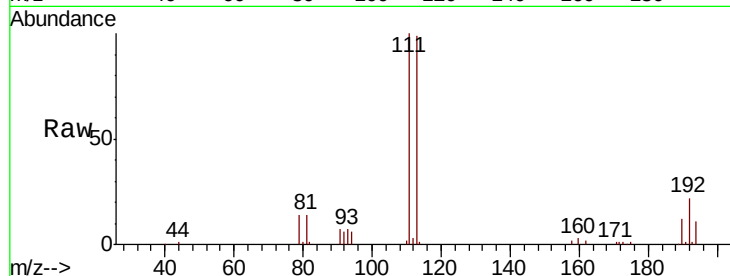




#35
 Dibromofluoromethane
 Concen: 49.118 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055923.D
 Acq: 31 May 2019 16:49

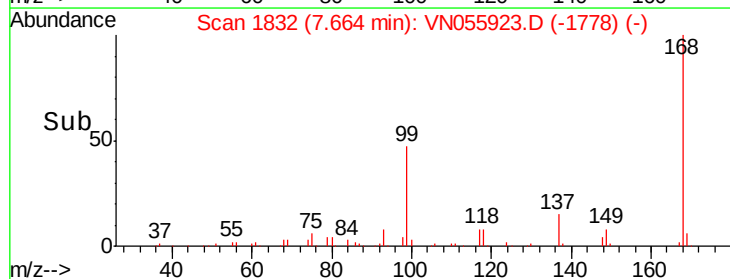
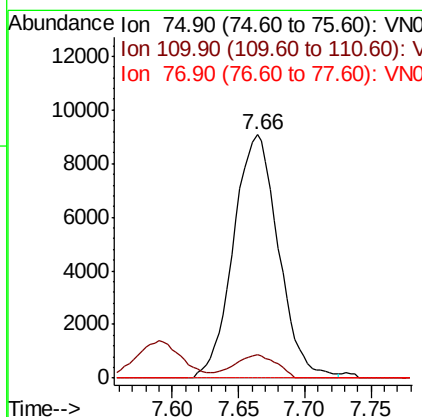
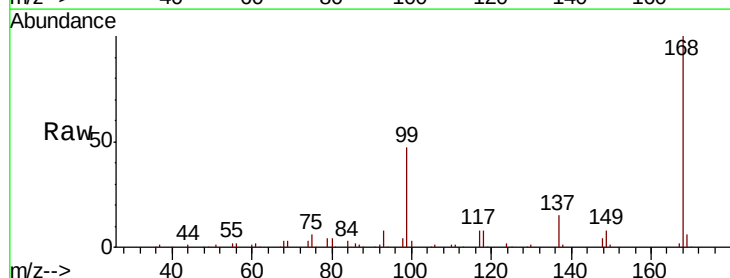
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-TB02-190528

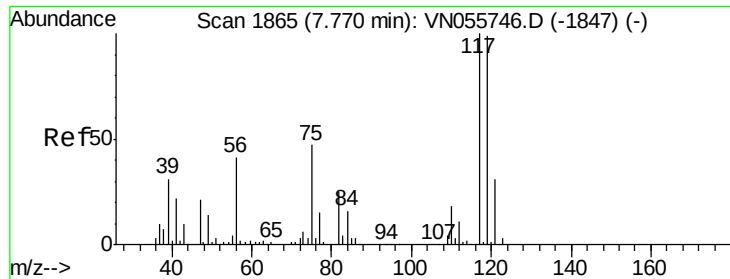
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	22.7	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.625 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055923.D
 Acq: 31 May 2019 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.0	57.0#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.946 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB02-190528

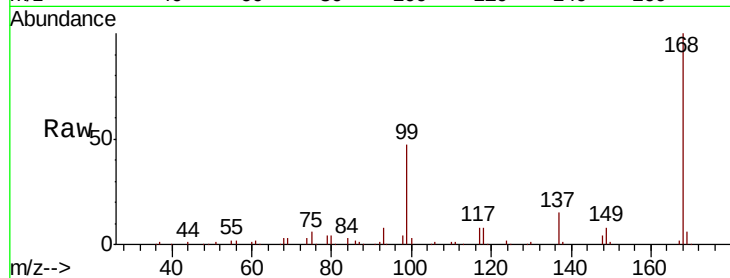
Tot Ion:117 Resp: 28735

Ion Ratio Lower Upper

117 100

119 4.9 79.0 118.6#

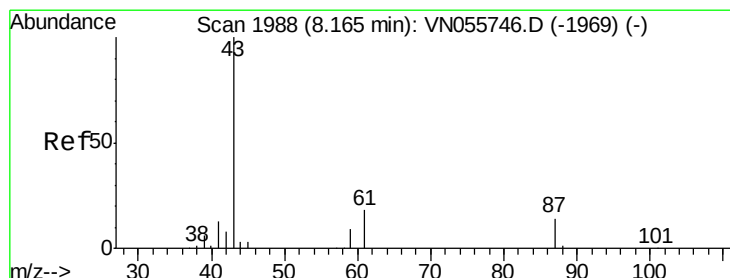
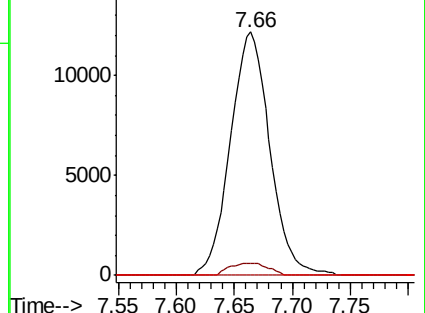
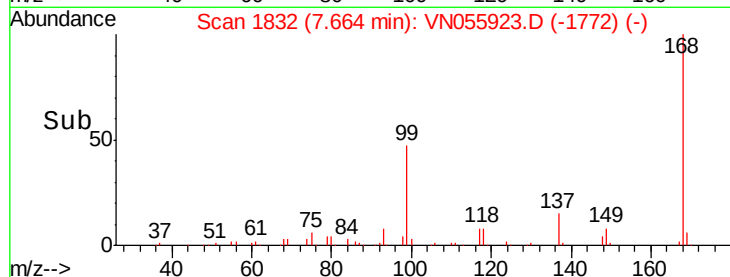
121 0.0 24.7 37.1#



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: 0.847 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

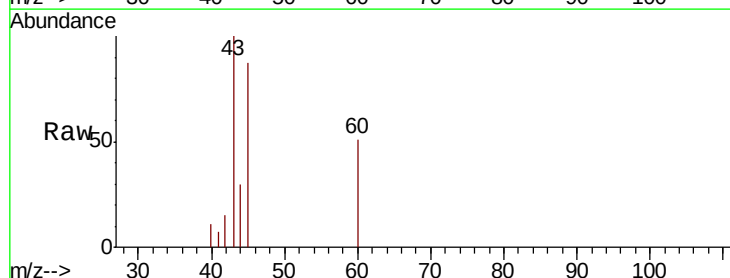
Tgt Ion: 43 Resp: 6383

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

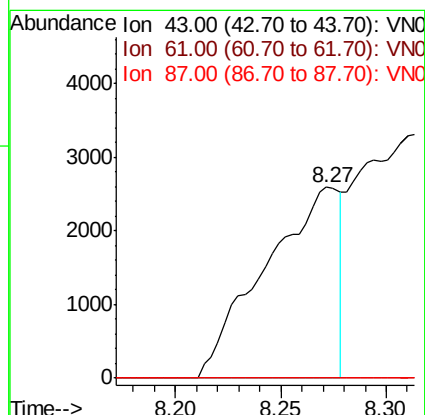
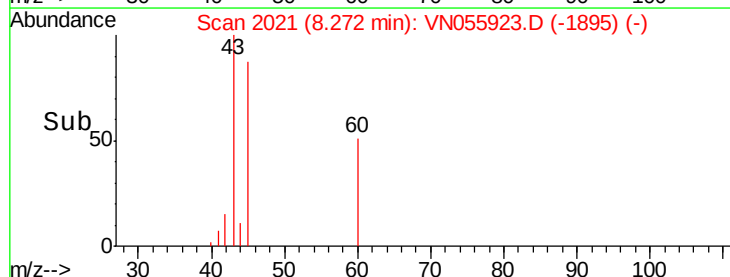
87 0.0 11.4 17.2#

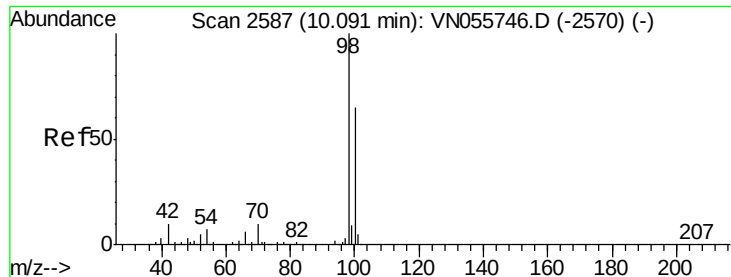


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 51.438 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

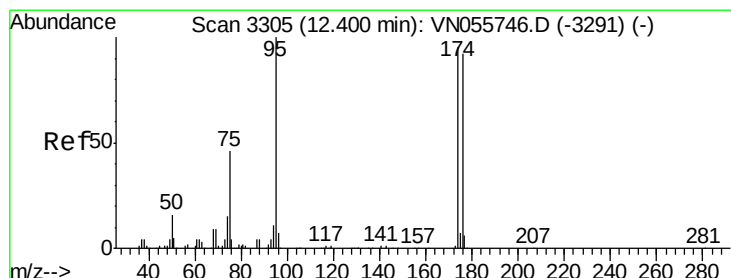
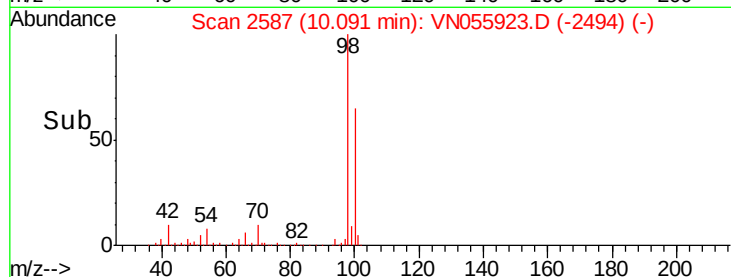
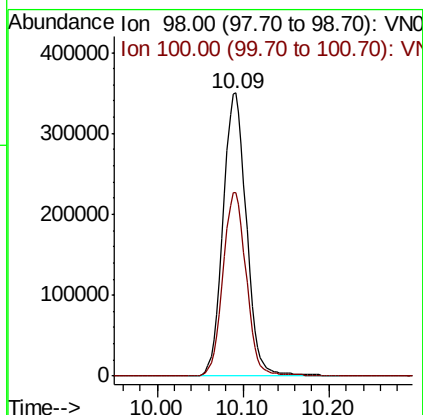
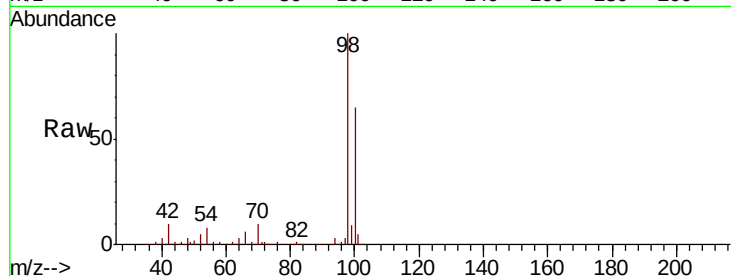
Z1-TB02-190528

Tot Ion: 98 Resp: 664177

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 46.603 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

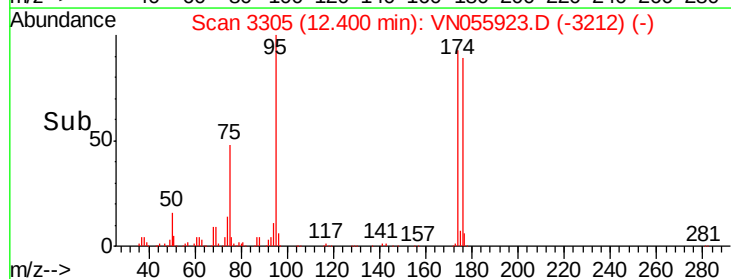
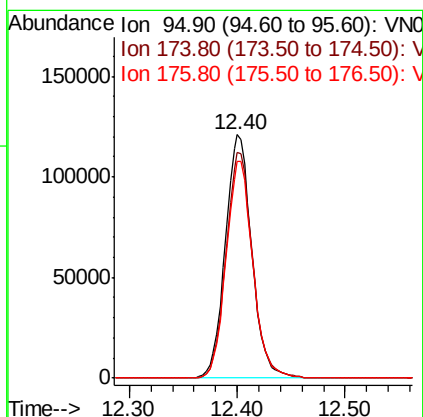
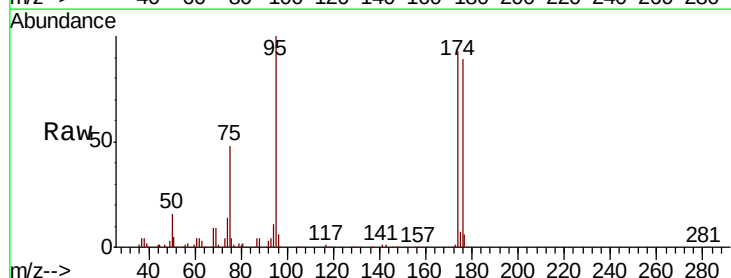
Tgt Ion: 95 Resp: 206330

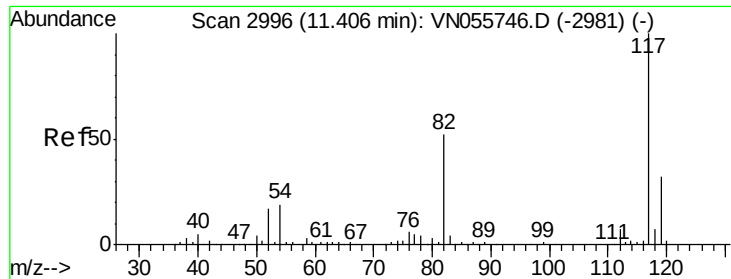
Ion Ratio Lower Upper

95 100

174 93.5 0.0 191.0

176 90.2 0.0 185.2

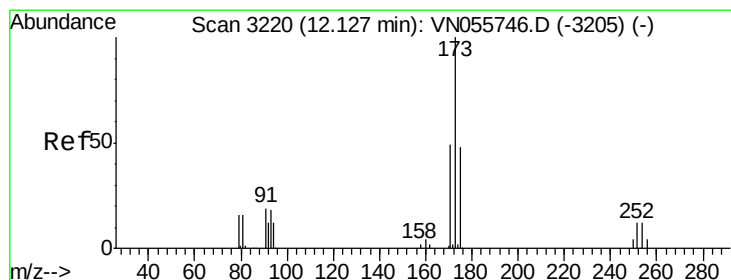
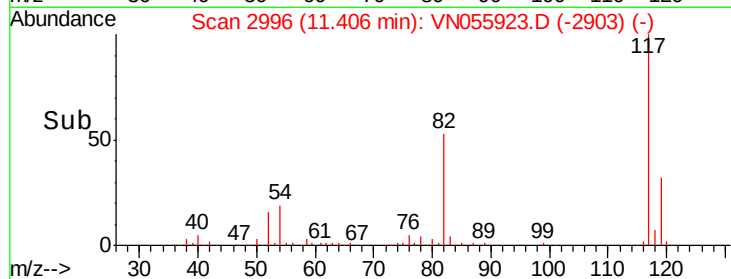
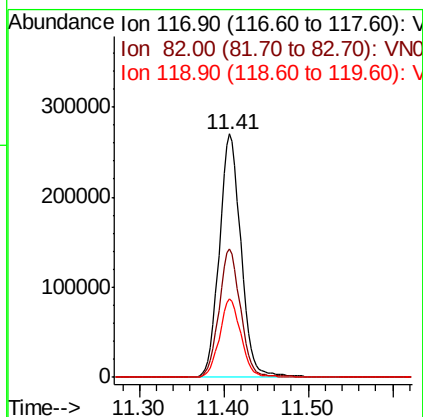
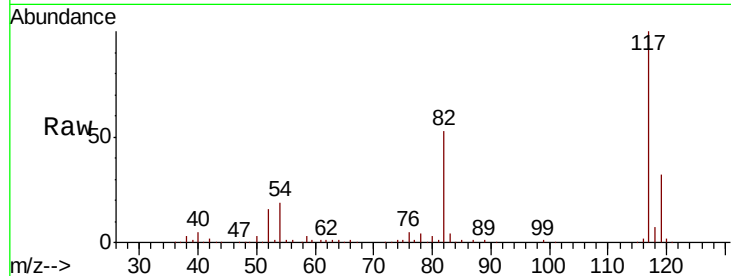




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055923.D
Acq: 31 May 2019 16:49

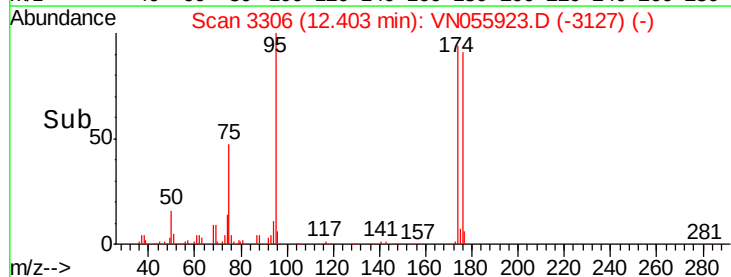
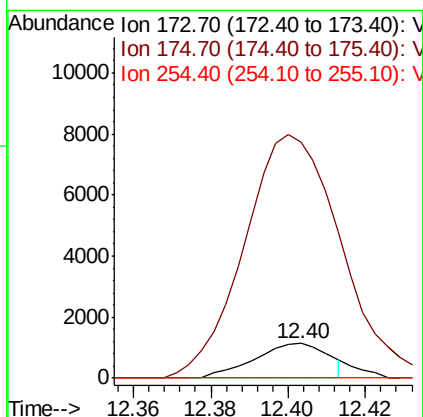
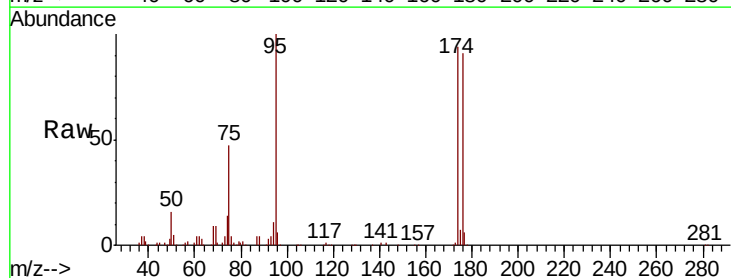
Instrument :
MSVOA_N
ClientSampled :
Z1-TB02-190528

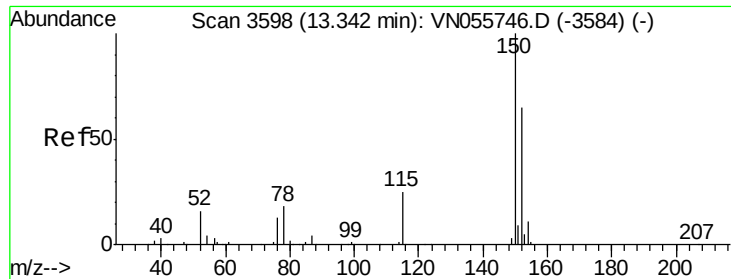
Tot Ion:117 Resp: 481621
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.3 25.4 38.0



#71
Bromoform
Concen: 0.457 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055923.D
Acq: 31 May 2019 16:49

Tgt Ion:173 Resp: 1500
Ion Ratio Lower Upper
173 100
175 804.3 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: VN055923.D

Acq: 31 May 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB02-190528

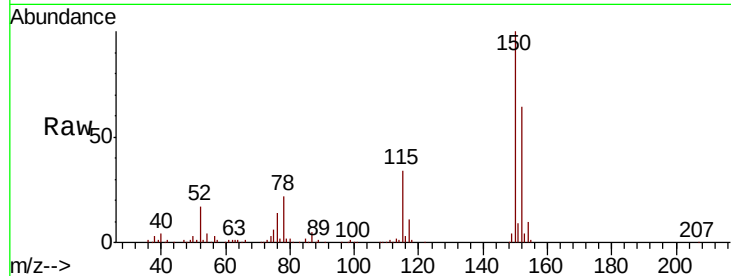
Tot Ion:152 Resp: 154949

Ion Ratio Lower Upper

152 100

115 53.2 27.0 81.0

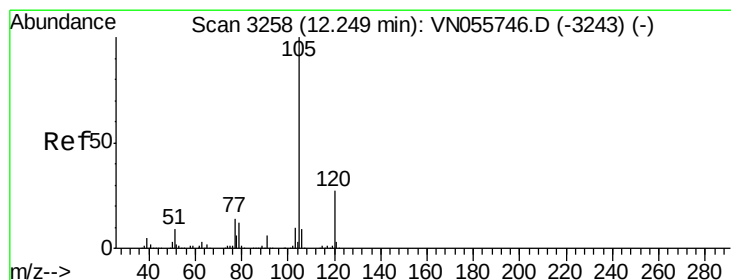
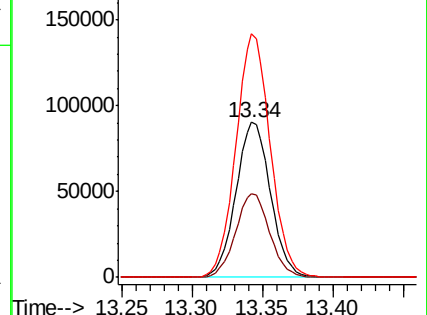
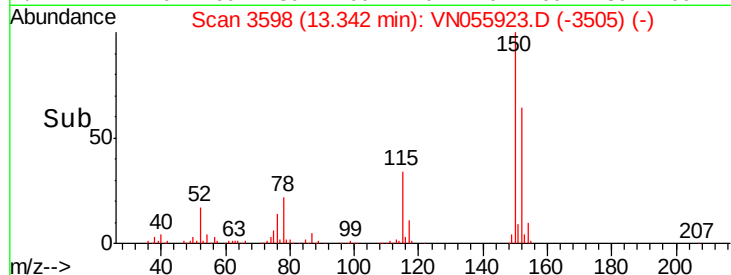
150 156.3 0.0 343.2



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: 12.40 min Scan# 3304

Delta R.T. 0.15 min

Lab File: VN055923.D

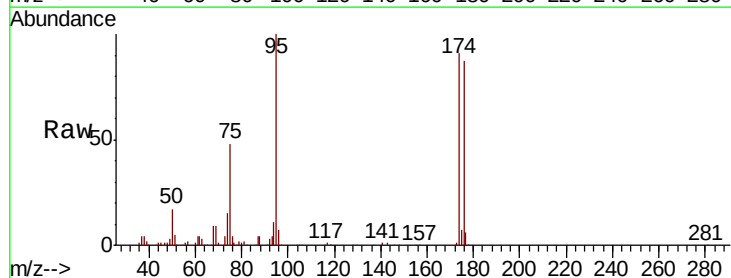
Acq: 31 May 2019 16:49

Tgt Ion:105 Resp: 140

Ion Ratio Lower Upper

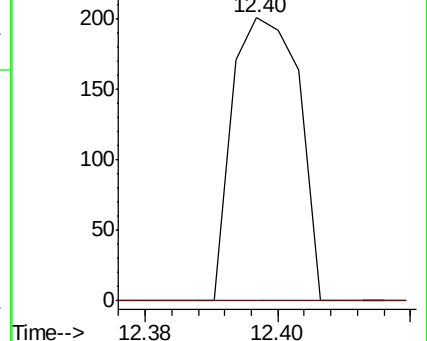
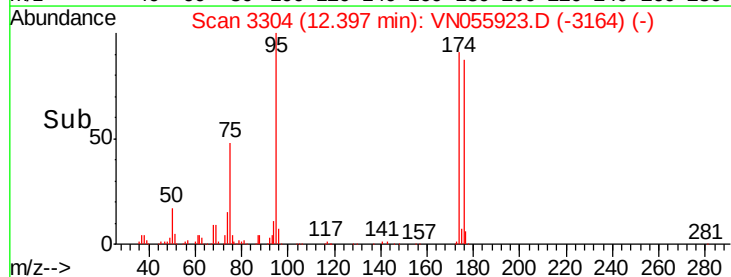
105 100

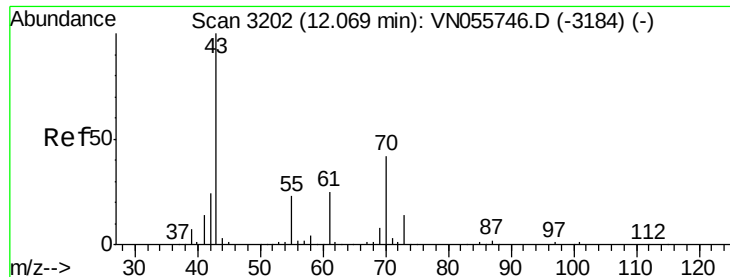
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.09 min Scan# 3210

Delta R.T. 0.03 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB02-190528

Tot Ion: 43 Resp: 195

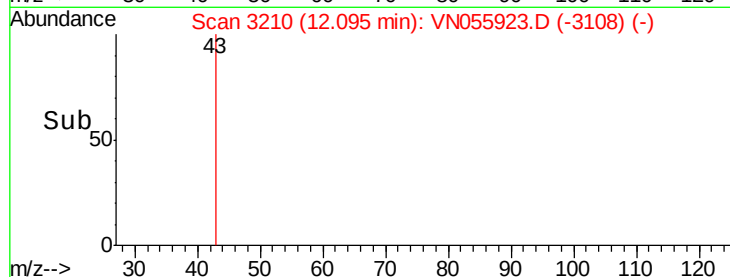
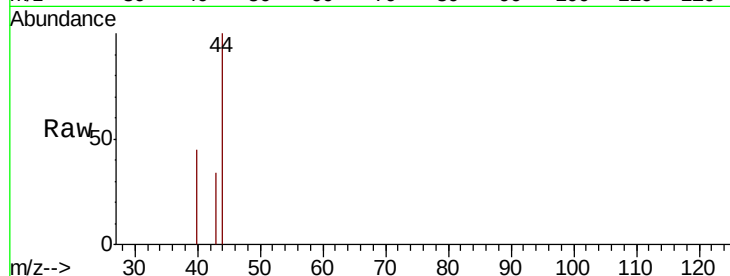
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

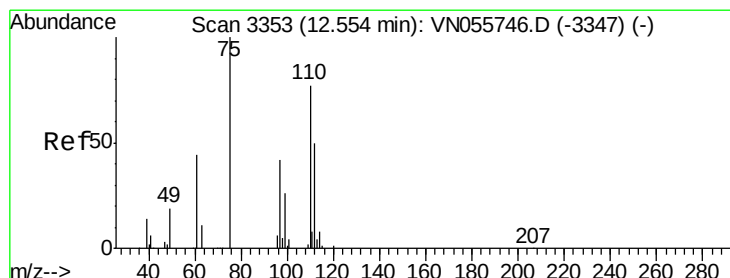
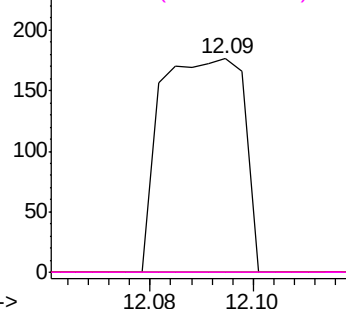


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 35.235 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055923.D

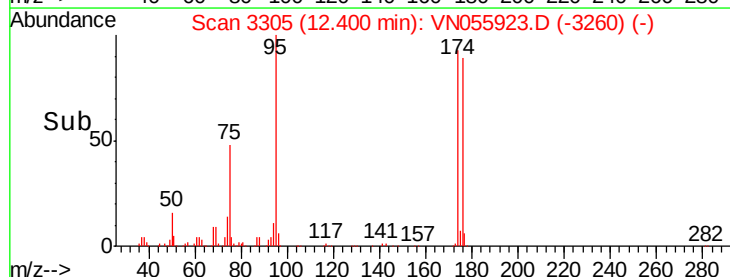
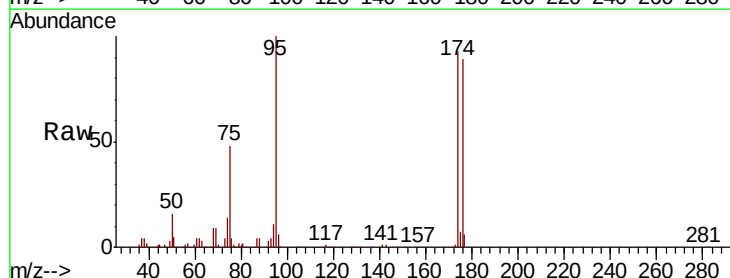
Acq: 31 May 2019 16:49

Tgt Ion: 75 Resp: 96491

Ion Ratio Lower Upper

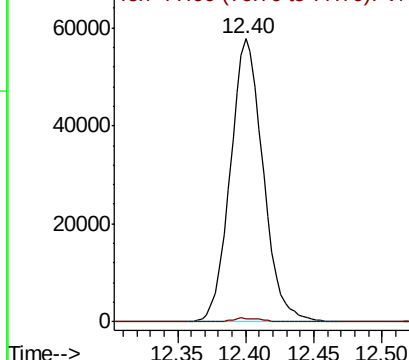
75 100

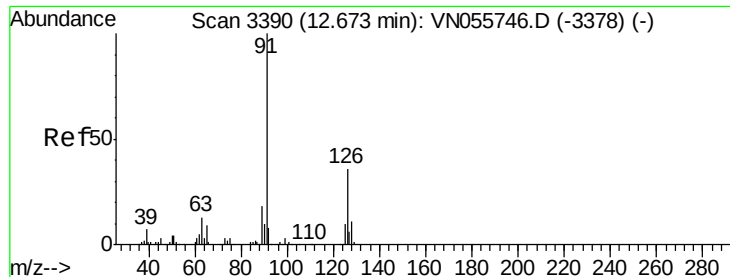
77 1.2 0.0 0.0#



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: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

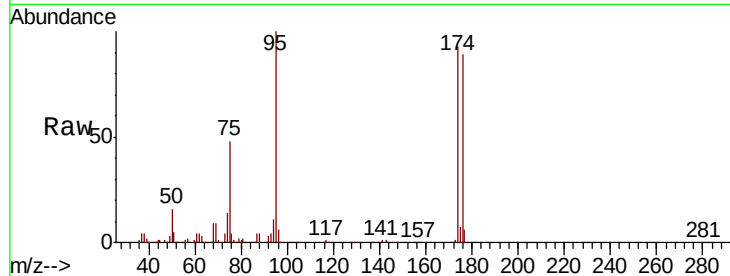
Z1-TB02-190528

Tot Ion: 91 Resp: 538

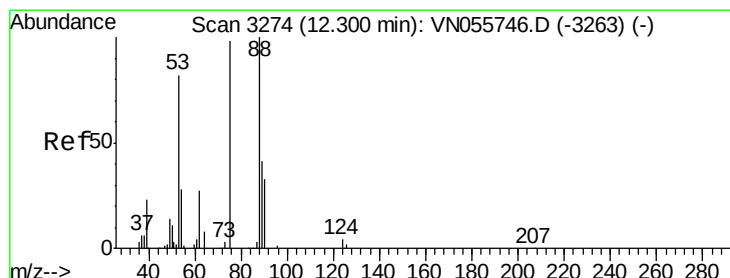
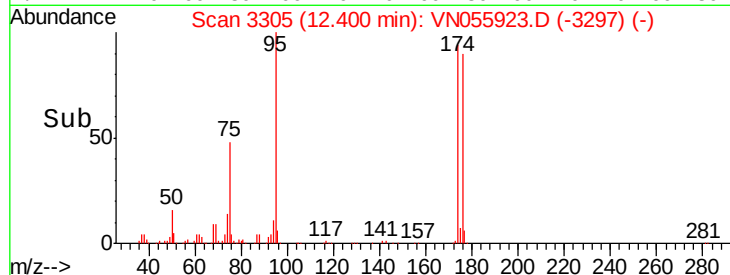
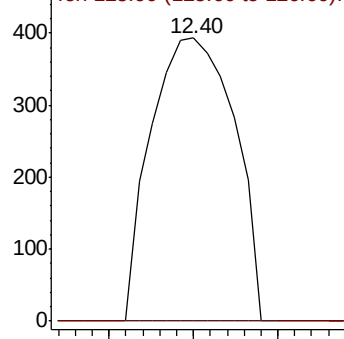
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 83.787 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055923.D

Acq: 31 May 2019 16:49

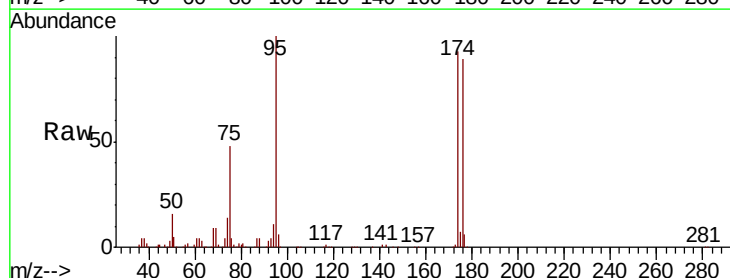
Tgt Ion: 75 Resp: 96491

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

