

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056060.D
 Acq On : 6 Jun 2019 22:02
 Operator : JC/SP
 Sample : VN0607WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL02

Quant Time: Jun 07 05:31:43 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

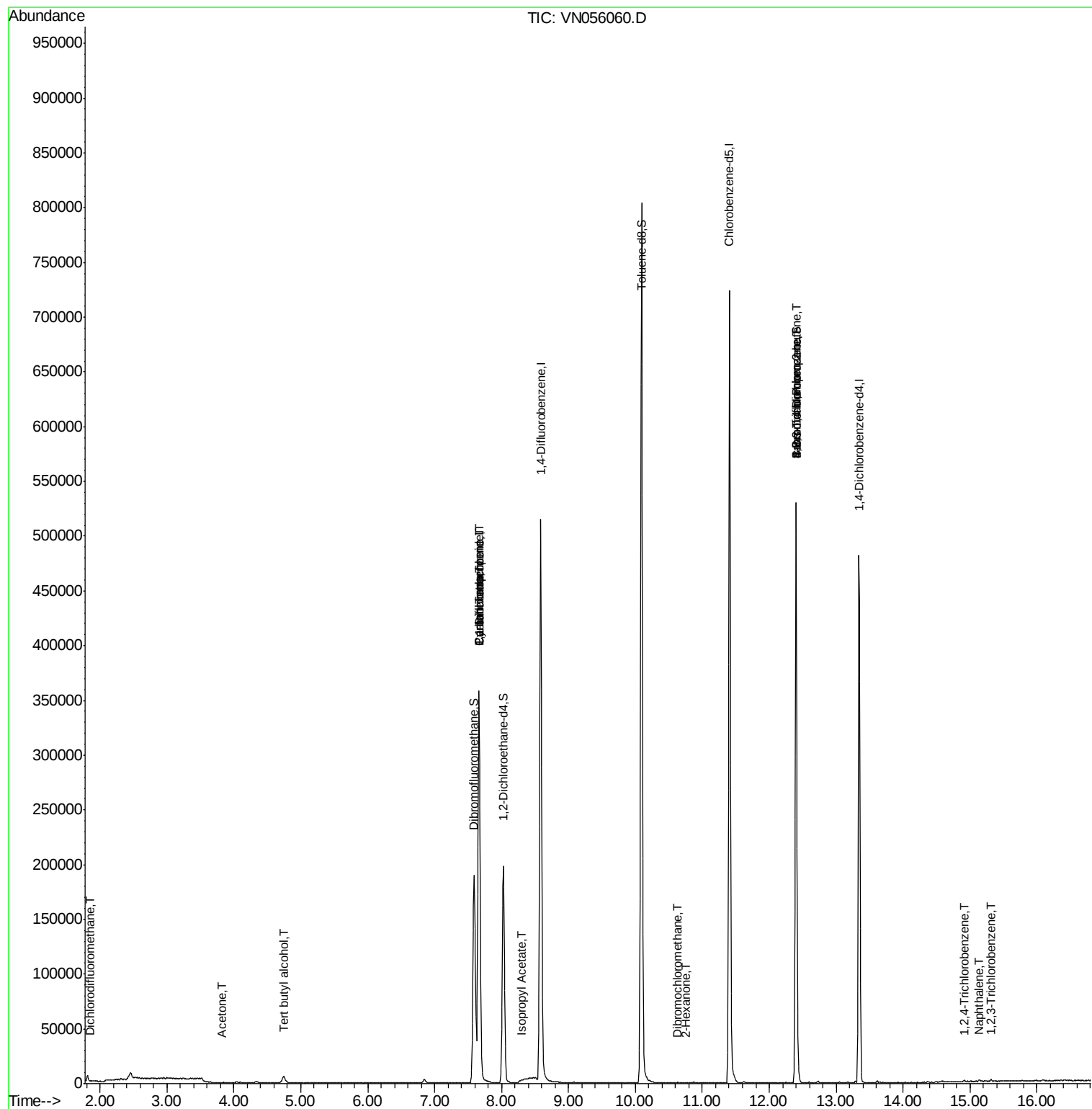
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	511913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148478	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	165602	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
35) Dibromofluoromethane	7.59	113	148183	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
50) Toluene-d8	10.09	98	607308	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	187966	45.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	94	0.380	ug/l #	42
11) Tert butyl alcohol	4.75	59	5919	10.097	ug/l #	74
16) Acetone	3.82	43	433	0.269	ug/l #	41
31) Cyclohexane	7.67	56	4976	0.931	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19667	4.468	ug/l #	47
38) Carbon Tetrachloride	7.66	117	28181	6.944	ug/l #	16
43) Isopropyl Acetate	8.29	43	2032	0.320	ug/l #	53
59) 2-Hexanone	10.76	43	734	0.255	ug/l #	35
60) Dibromochloromethane	10.63	129	124	2.484	ug/l #	11
71) Bromoform	12.40	173	1252	3.174	ug/l #	1
73) Isopropylbenzene	12.25	105	588	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	85544	31.311	ug/l #	100
79) 2-Chlorotoluene	12.68	91	269	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	85544	104.272	ug/l #	15
83) tert-Butylbenzene	13.00	119	457	Below Cal	#	34
93) 1,2,4-Trichlorobenzene	14.91	180	830	4.547	ug/l #	84
94) Hexachlorobutadiene	15.01	225	284	Below Cal		92
95) Naphthalene	15.13	128	1977	4.108	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.32	180	871	3.324	ug/l #	91

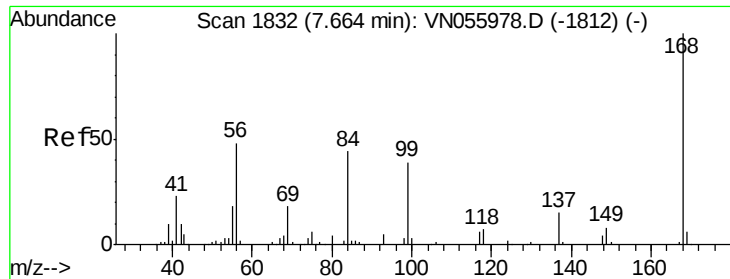
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060719\
Data File : VN056060.D
Acq On : 6 Jun 2019 22:02
Operator : JC/SP
Sample : VN0607WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL02

Quant Time: Jun 07 05:31:43 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: VN056060.D

Acq: 6 Jun 2019 22:02

Instrument :

MSVOA_N

ClientSampleId :

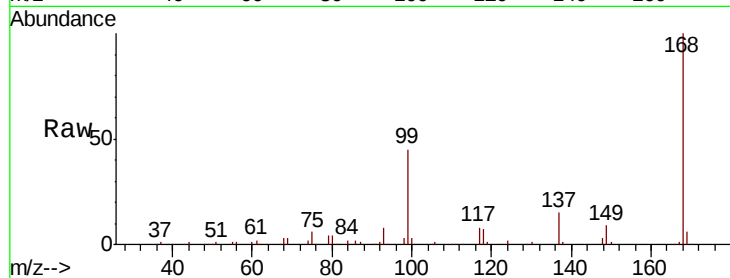
VN0607WBL02

Tot Ion:168 Resp: 339272

Ion Ratio Lower Upper

168 100

99 45.4 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

150000

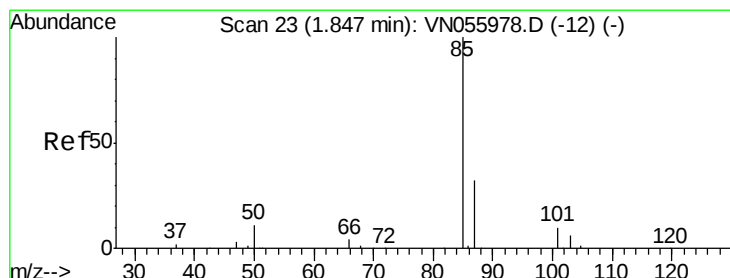
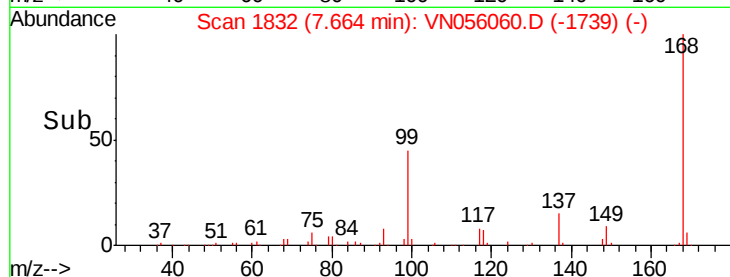
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.380 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056060.D

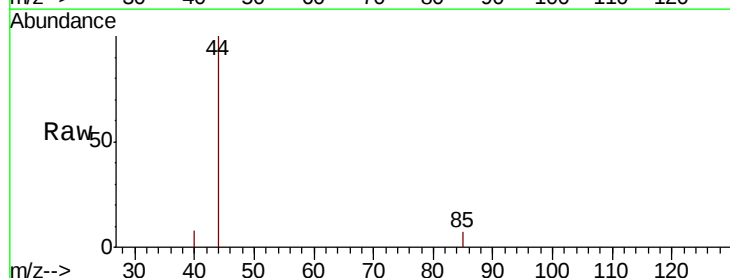
Acq: 6 Jun 2019 22:02

Tgt Ion: 85 Resp: 94

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.85

200

150

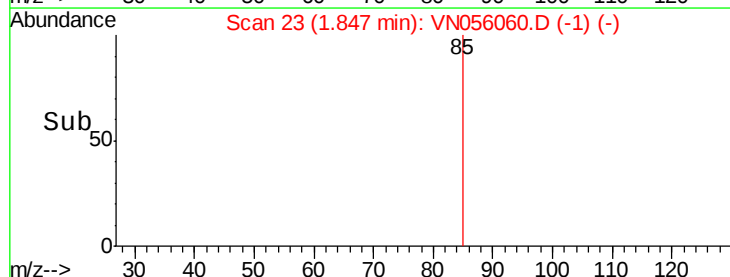
100

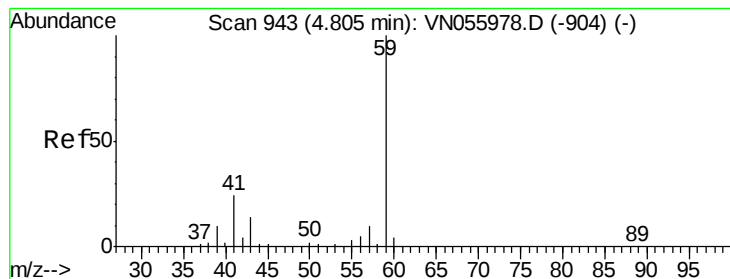
50

0

1.83 1.84 1.85 1.86

Time-->



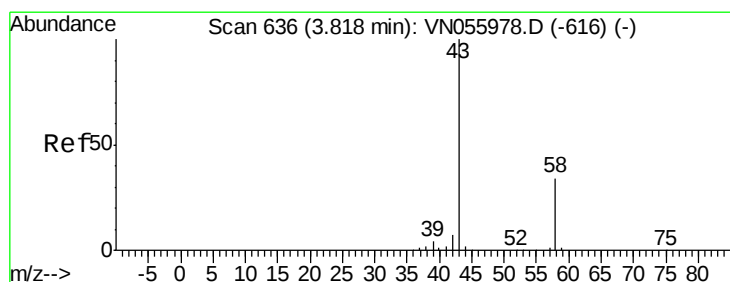
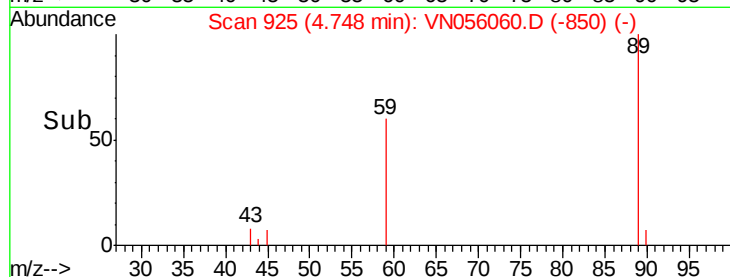
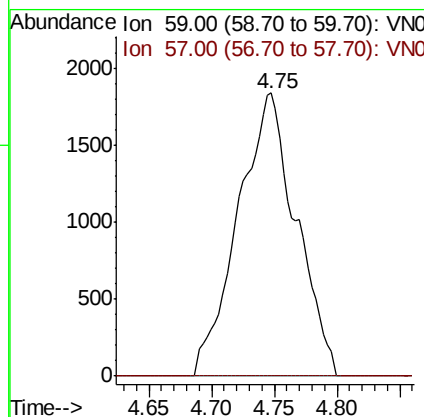
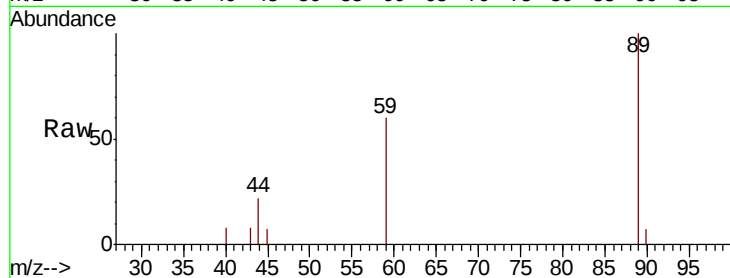


#11

Tert butyl alcohol
 Concen: 10.097 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.06 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL02

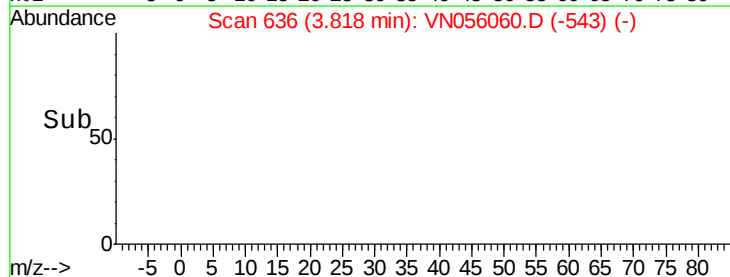
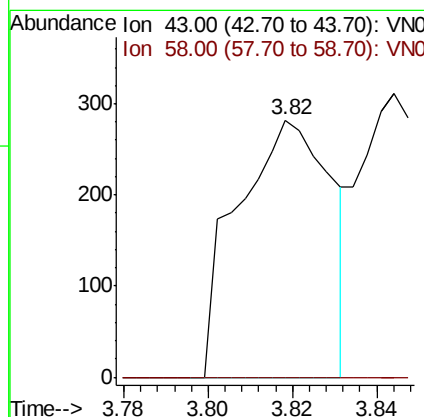
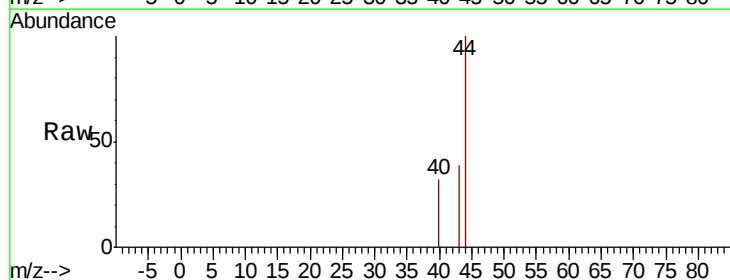
Tot Ion: 59 Resp: 5919
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

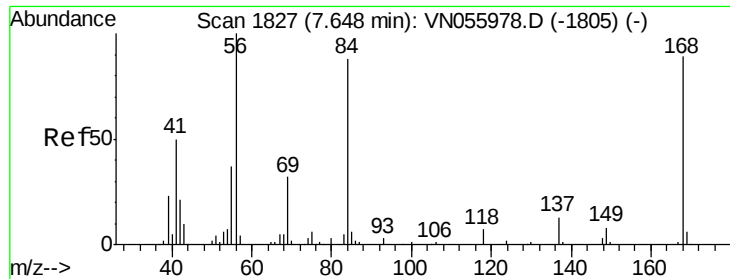


#16

Acetone
 Concen: 0.269 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

Tgt Ion: 43 Resp: 433
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 39.8#

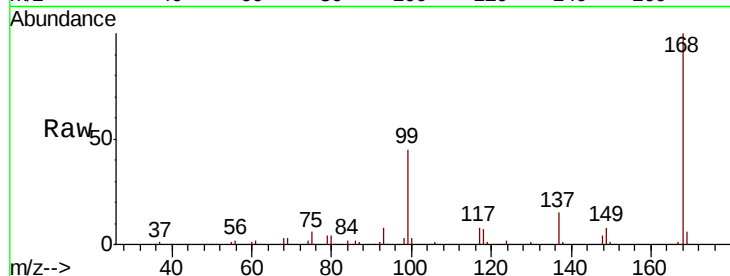




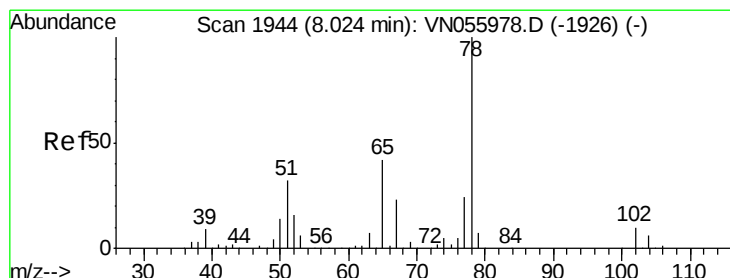
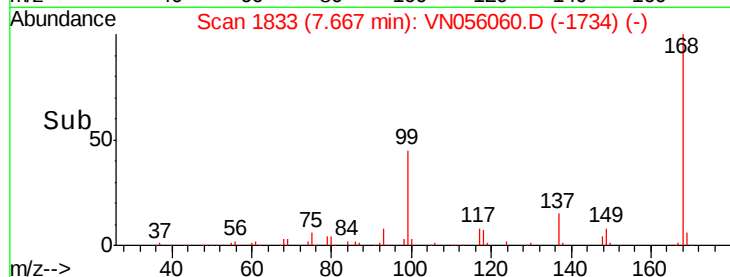
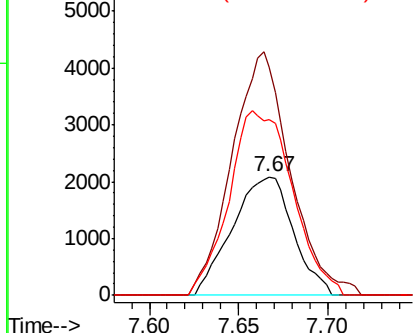
#31
Cyclohexane
Concen: 0.931 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN056060.D
Acq: 6 Jun 2019 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL02

Tot Ion: 56 Resp: 4976
Ion Ratio Lower Upper
56 100
69 193.4 25.6 38.4#
84 148.4 67.4 101.0#

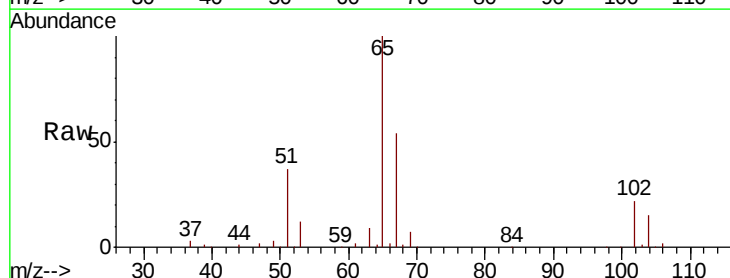


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

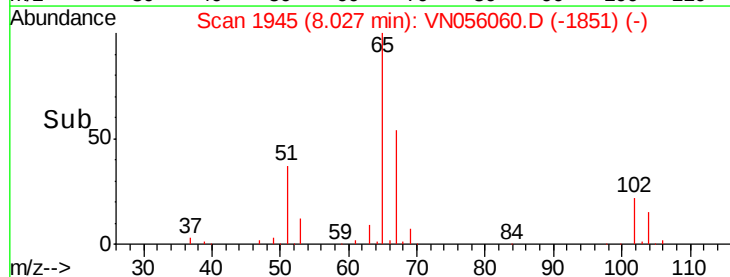
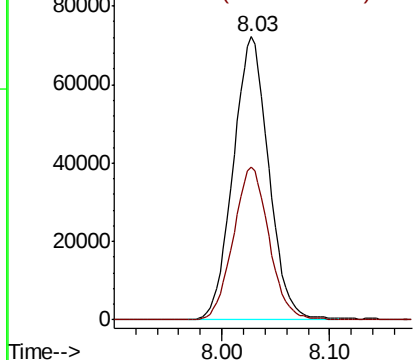


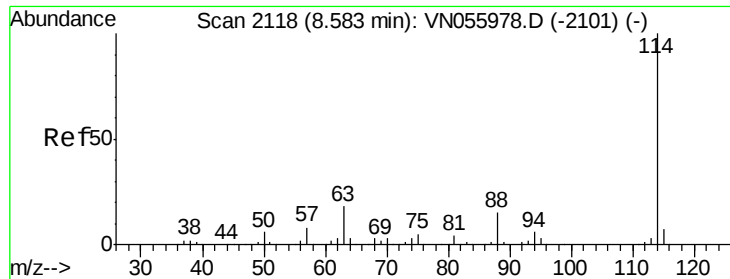
#33
1,2-Dichloroethane-d4
Concen: 49.159 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056060.D
Acq: 6 Jun 2019 22:02

Tgt Ion: 65 Resp: 165602
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

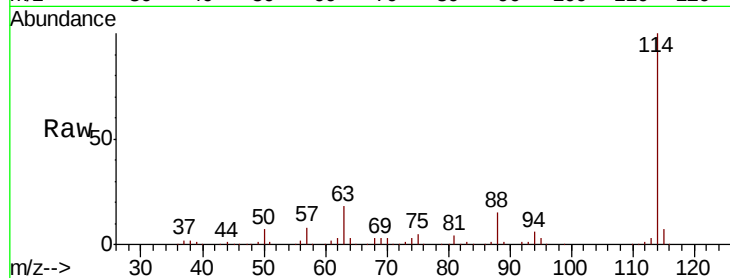




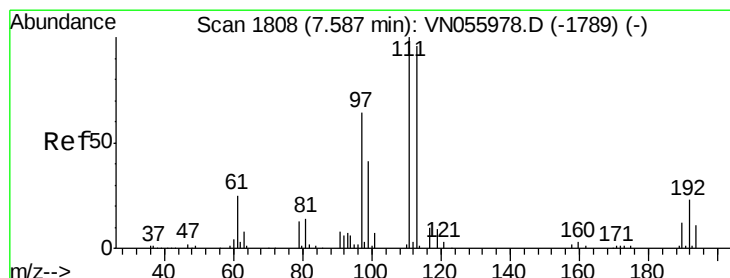
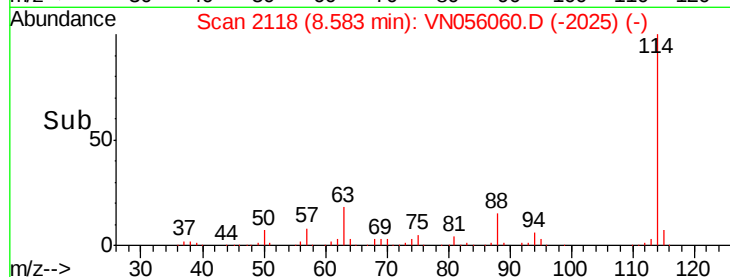
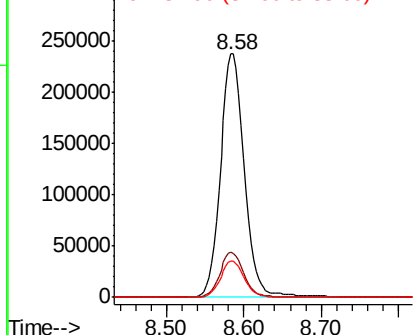
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL02

Tot Ion:114 Resp: 511913
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 14.8 0.0 31.0

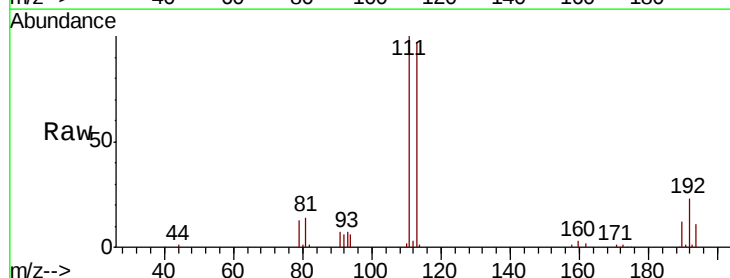


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

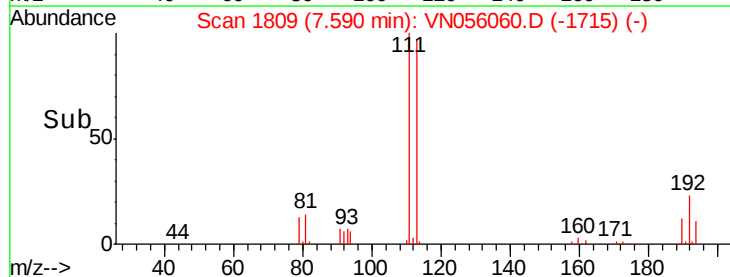
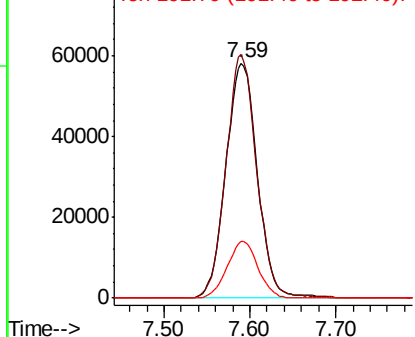


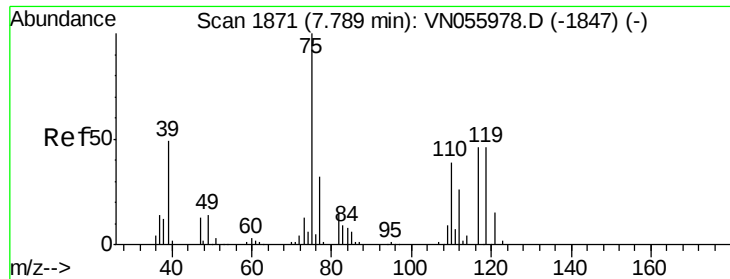
#35
 Dibromofluoromethane
 Concen: 47.181 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

Tgt Ion:113 Resp: 148183
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.9 122.9
 192 23.6 19.5 29.3



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

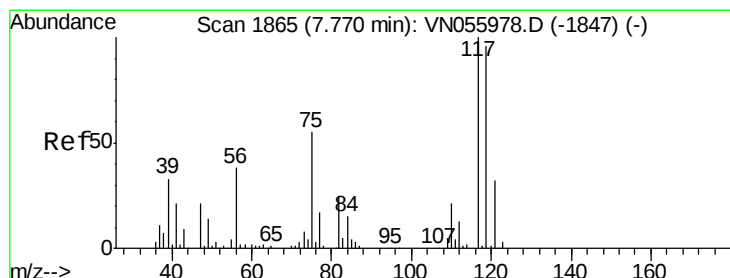
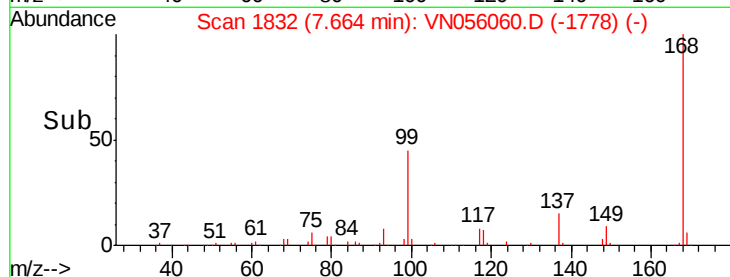
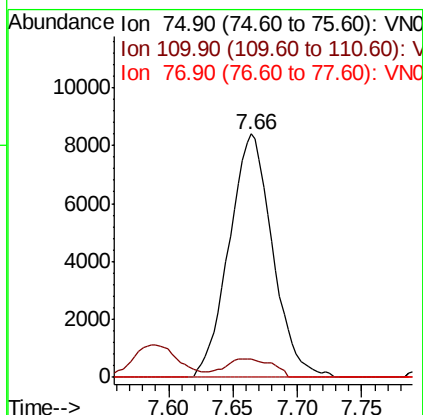
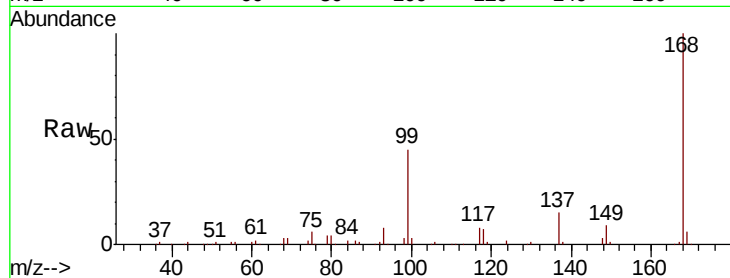




#36
 1,1-Dichloropropene
 Concen: 4.468 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

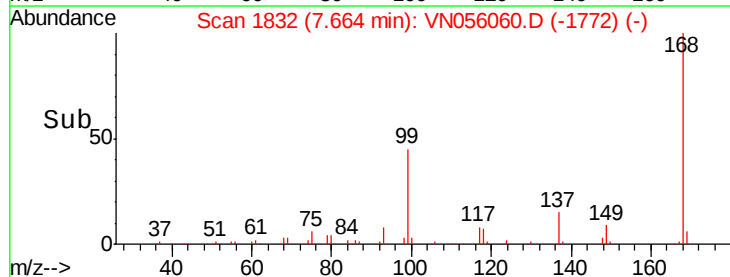
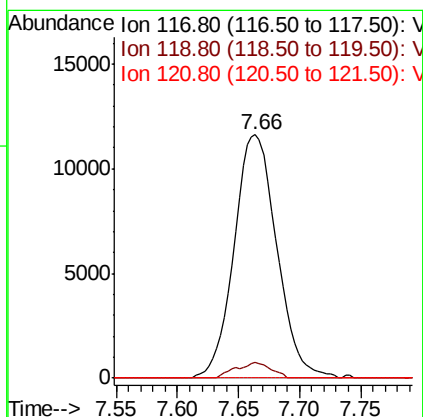
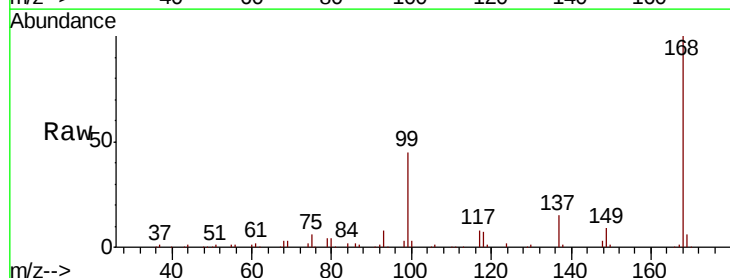
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL02

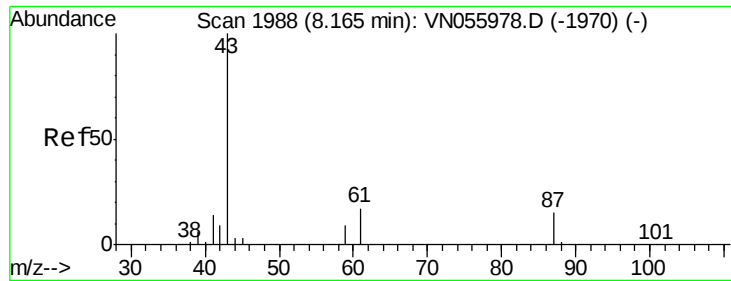
Tot Ion	75	Resp	19667
Ion Ratio	Lower	Upper	
75	100		
110	8.4	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.944 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

Tgt Ion	117	Resp	28181
Ion Ratio	Lower	Upper	
117	100		
119	6.3	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.320 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN056060.D

Acq: 6 Jun 2019 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBL02

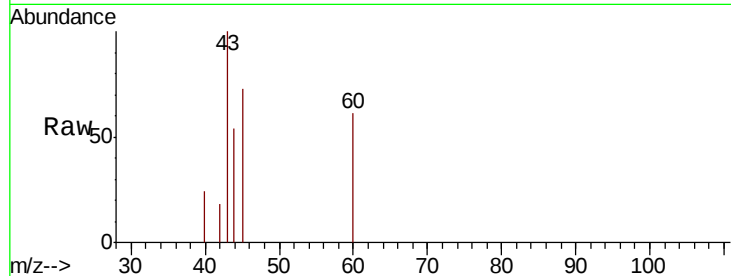
Tot Ion: 43 Resp: 2032

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

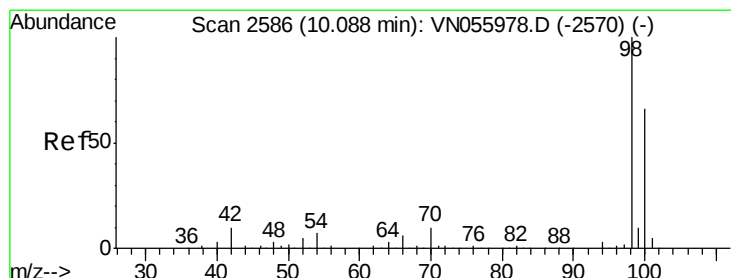
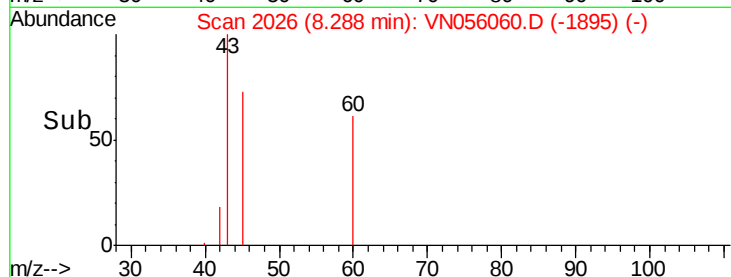
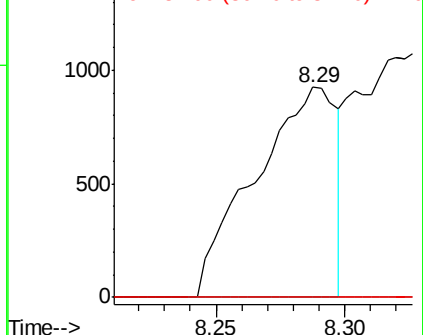
87 0.0 11.4 17.2#



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: 50.250 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056060.D

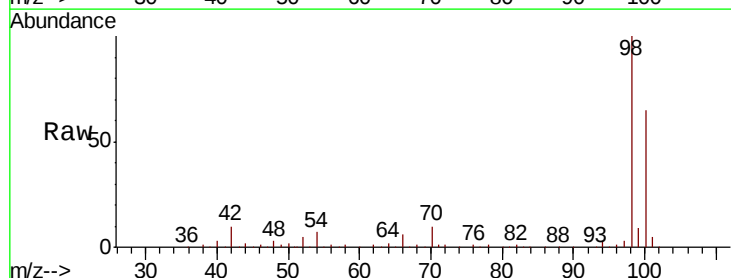
Acq: 6 Jun 2019 22:02

Tgt Ion: 98 Resp: 607308

Ion Ratio Lower Upper

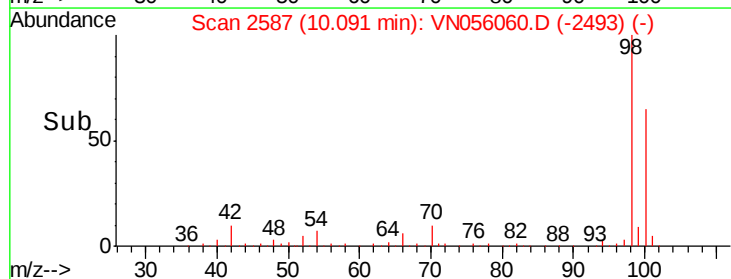
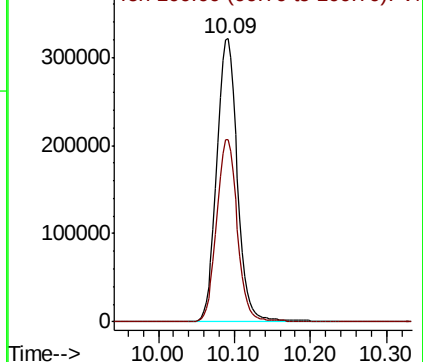
98 100

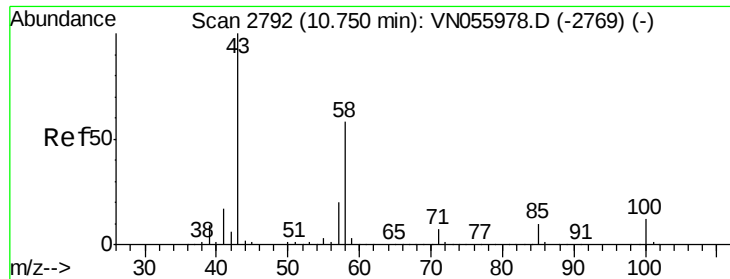
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

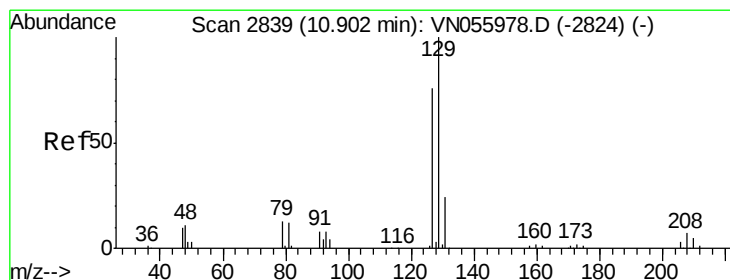
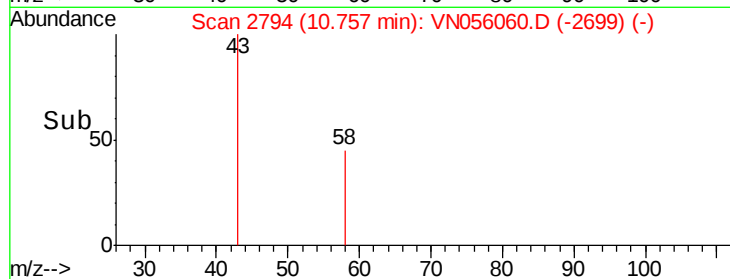
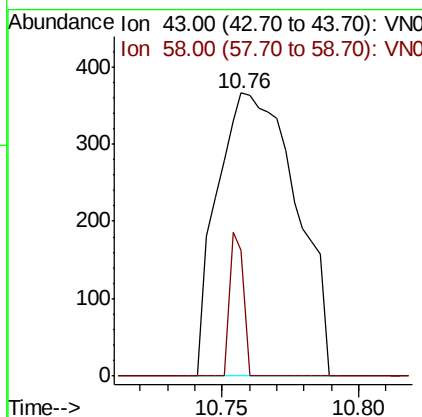
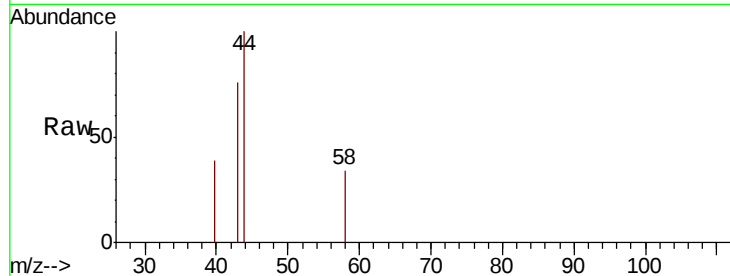




#59
2-Hexanone
Concen: 0.255 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN056060.D
Acq: 6 Jun 2019 22:02

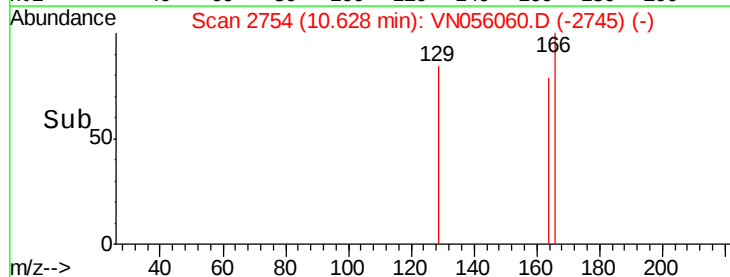
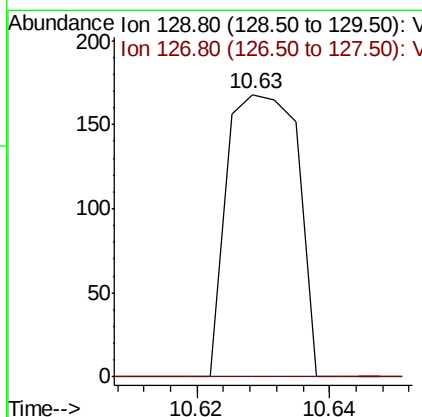
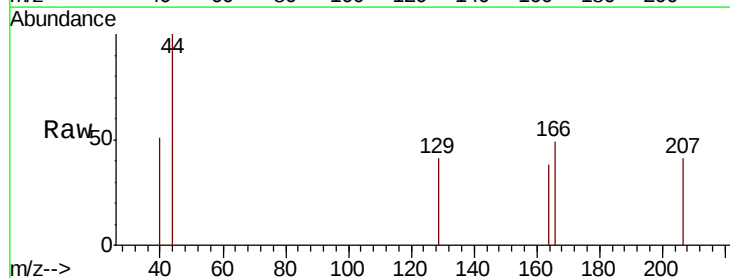
Instrument :
MSVOA_N
ClientSampled :
VN0607WBL02

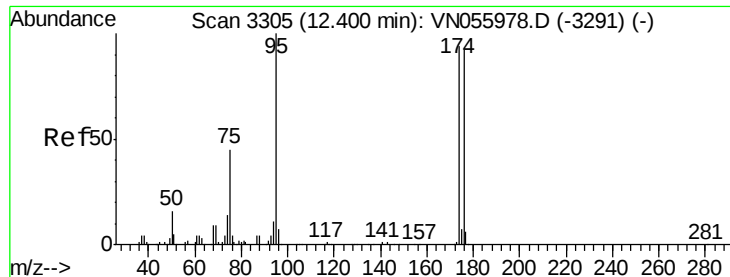
Tot Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
58 9.1 28.2 84.7#



#60
Dibromochloromethane
Concen: 2.484 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN056060.D
Acq: 6 Jun 2019 22:02

Tgt Ion: 129 Resp: 124
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#





#62

4-Bromofluorobenzene

Concen: 45.733 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056060.D

Acq: 6 Jun 2019 22:02

Instrument :

MSVOA_N

ClientSampled :

VN0607WBL02

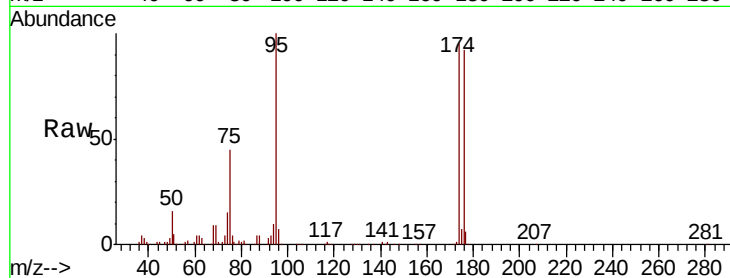
Tot Ion: 95 Resp: 187966

Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.0

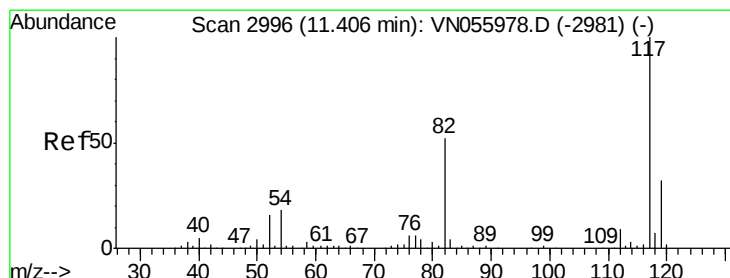
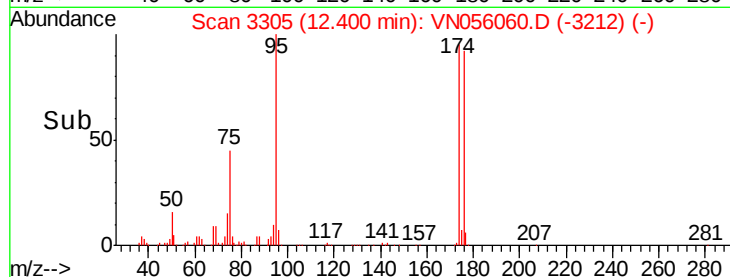
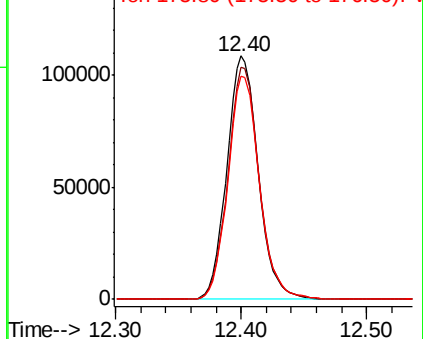
176 92.5 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056060.D

Acq: 6 Jun 2019 22:02

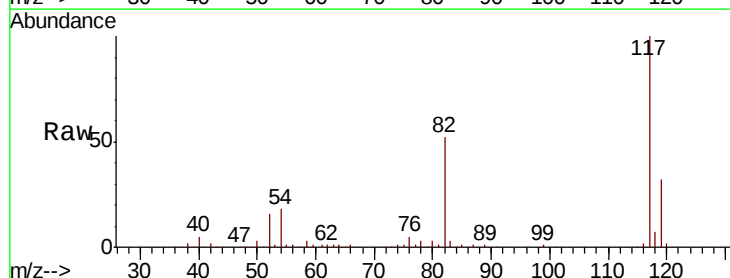
Tgt Ion: 117 Resp: 474462

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

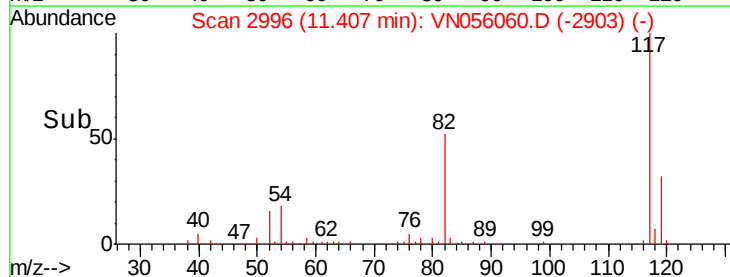
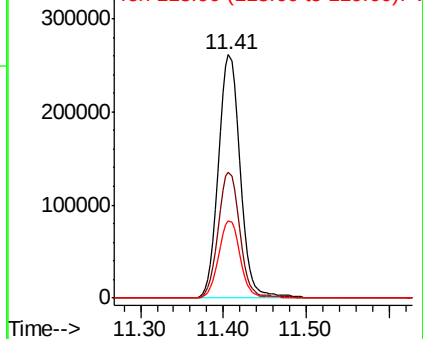
119 31.8 25.4 38.0

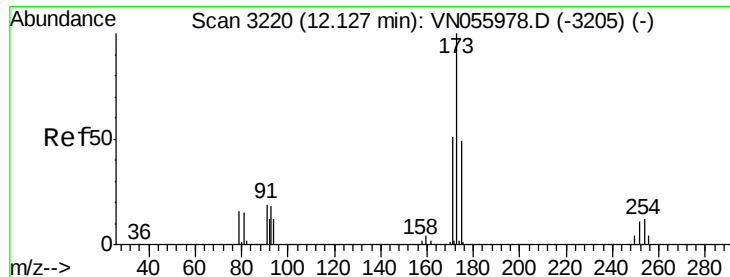


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

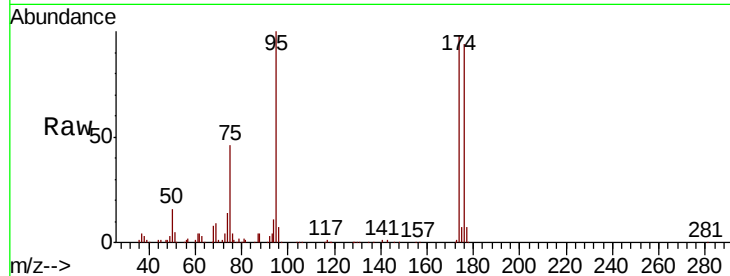




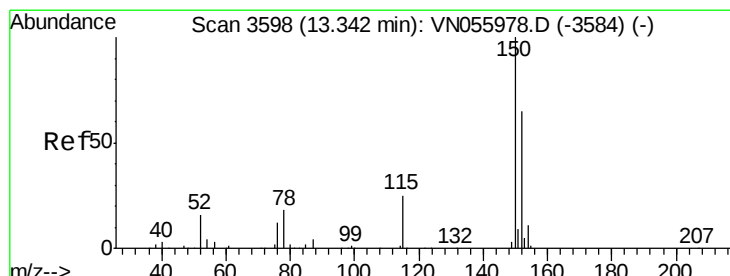
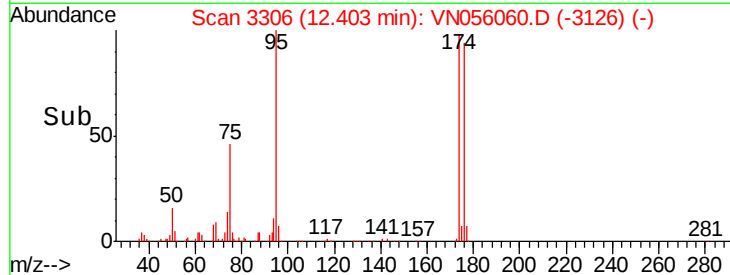
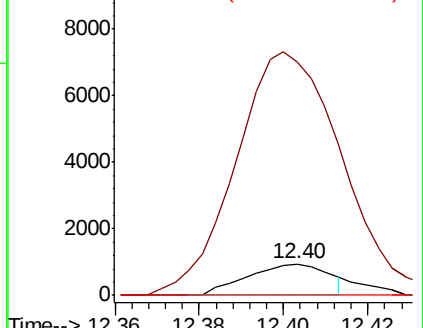
#71
Bromoform
Concen: 3.174 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056060.D
Acq: 6 Jun 2019 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL02

Tot Ion:173 Resp: 1252
Ion Ratio Lower Upper
173 100
175 882.1 24.3 72.8#
254 0.0 0.0 0.0

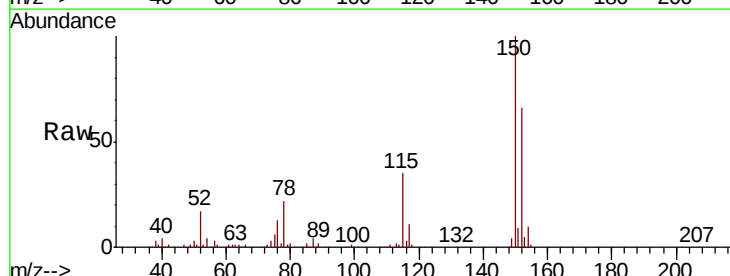


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

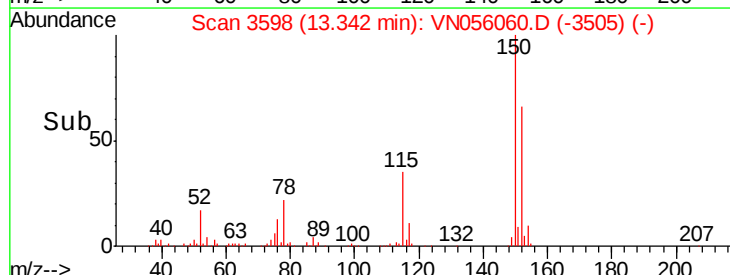
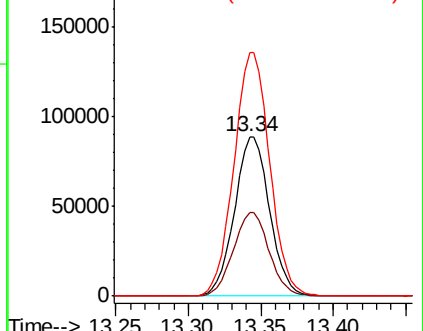


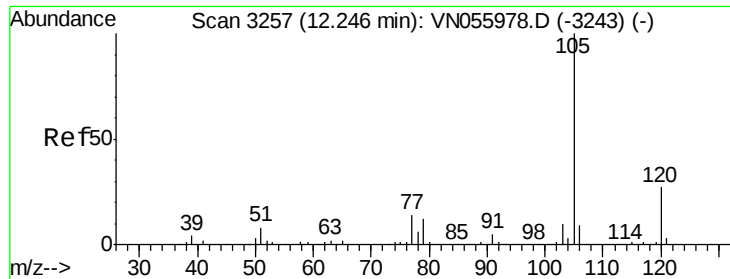
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056060.D
Acq: 6 Jun 2019 22:02

Tgt Ion:152 Resp: 148478
Ion Ratio Lower Upper
152 100
115 53.6 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: 12.25 min Scan# 3259

Delta R.T. 0.01 min

Lab File: VN056060.D

Acq: 6 Jun 2019 22:02

Instrument :

MSVOA_N

ClientSampleId :

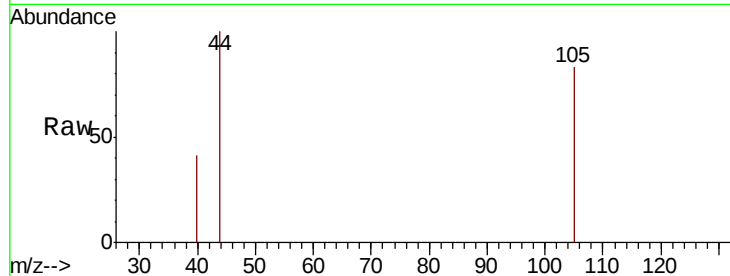
VN0607WBL02

Tot Ion:105 Resp: 588

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

12.25

600

500

400

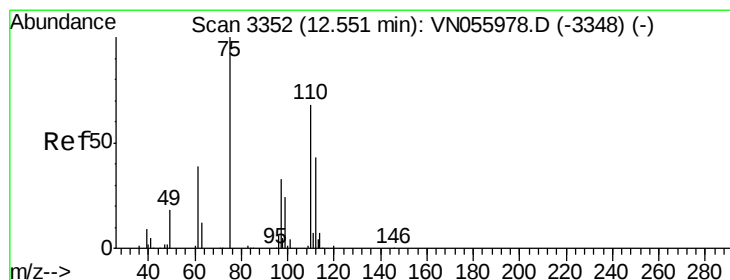
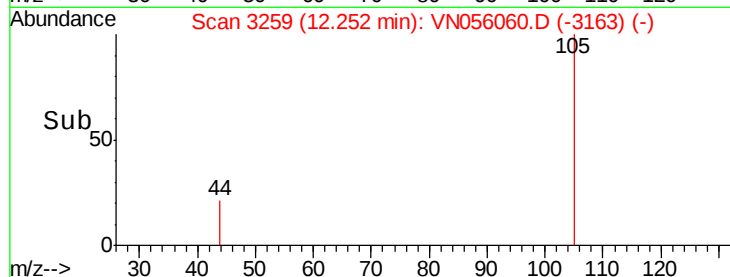
300

200

100

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.311 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056060.D

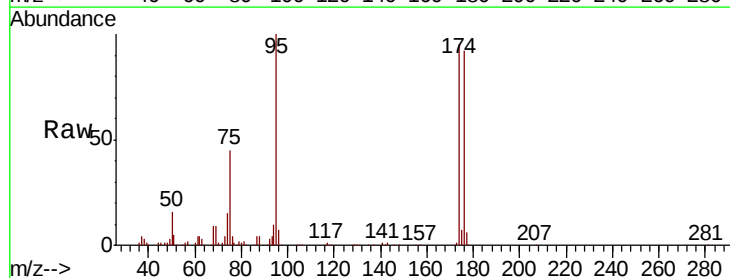
Acq: 6 Jun 2019 22:02

Tgt Ion: 75 Resp: 85544

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

50000

40000

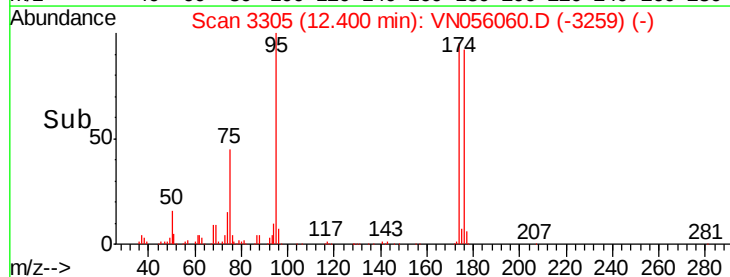
30000

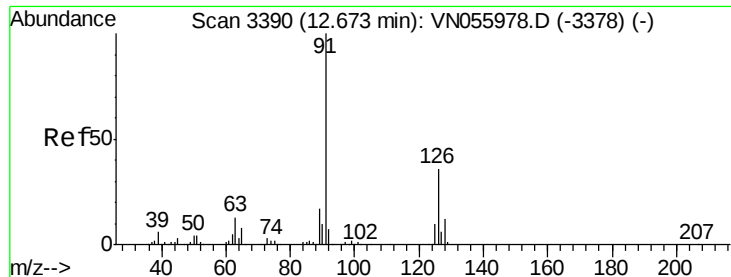
20000

10000

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056060.D

Acq: 6 Jun 2019 22:02

Instrument :

MSVOA_N

ClientSampleId :

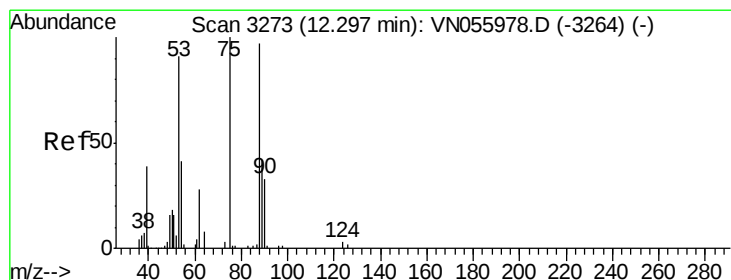
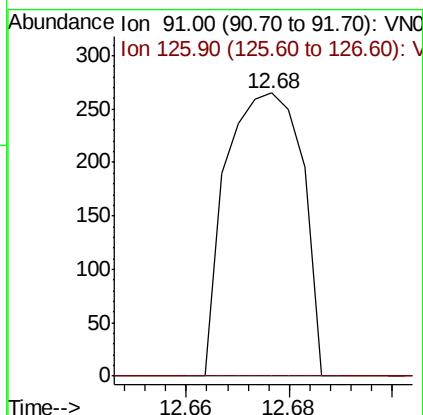
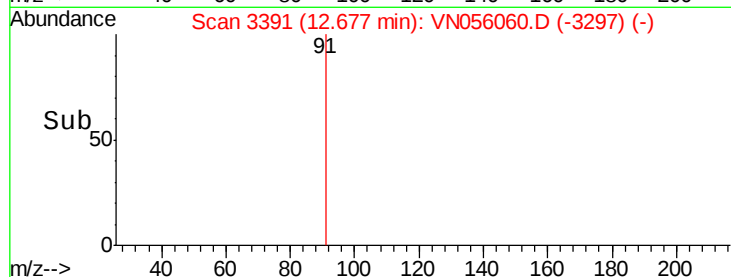
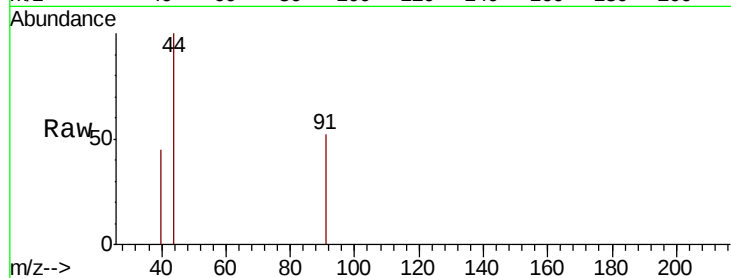
VN0607WBL02

Tot Ion: 91 Resp: 269

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.272 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056060.D

Acq: 6 Jun 2019 22:02

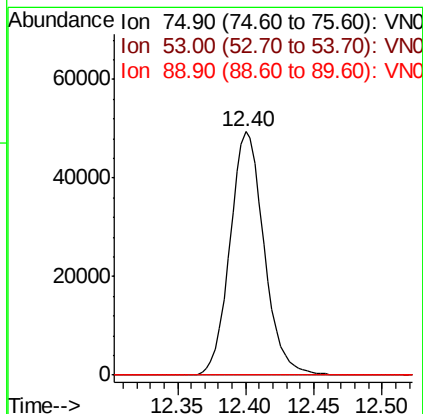
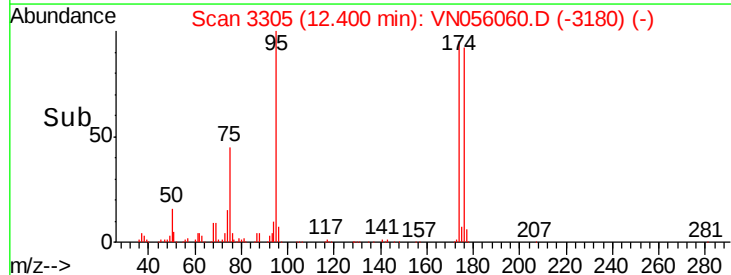
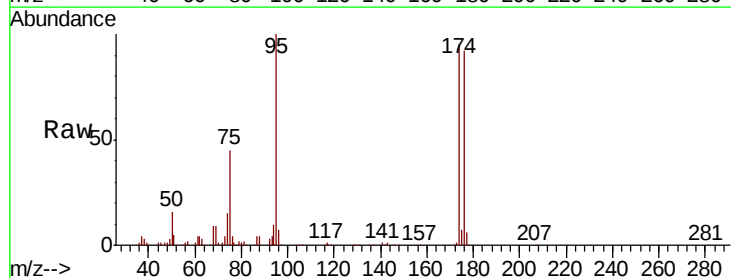
Tgt Ion: 75 Resp: 85544

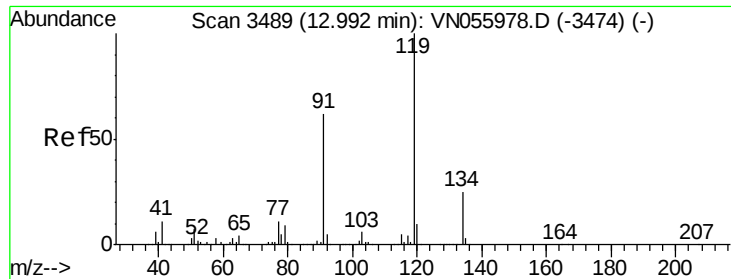
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

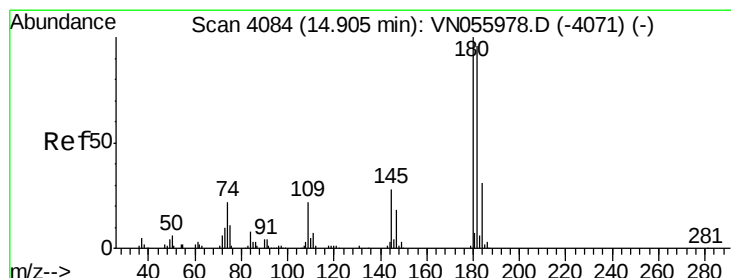
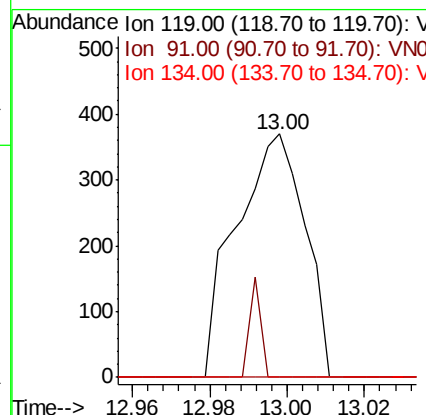
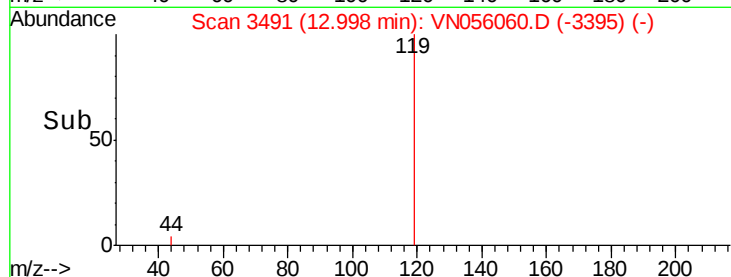
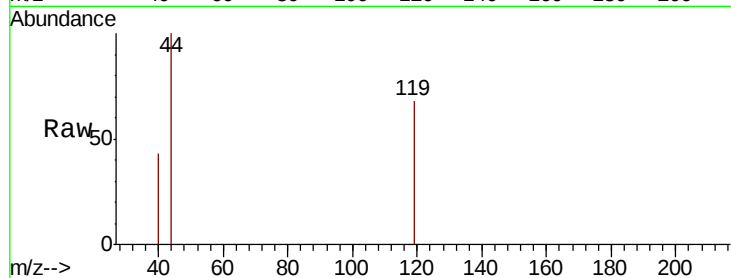




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.01 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

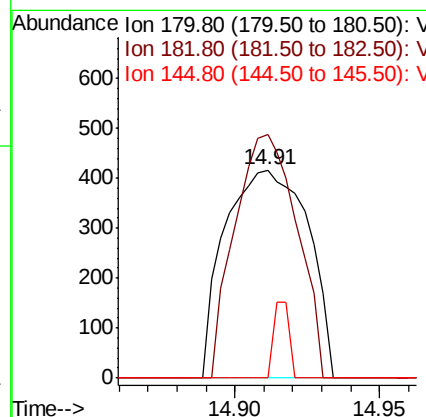
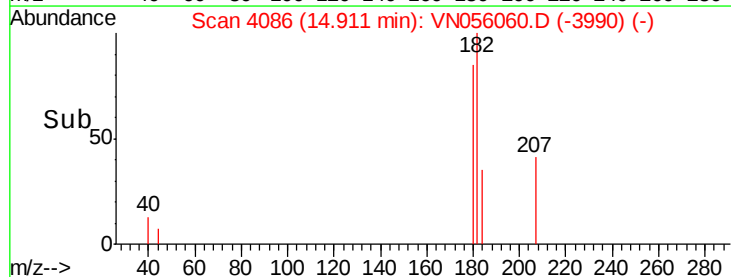
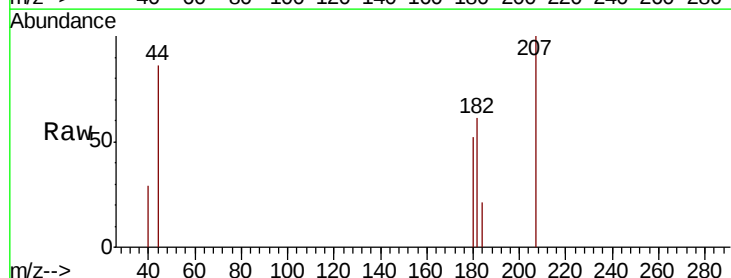
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0607WBL02

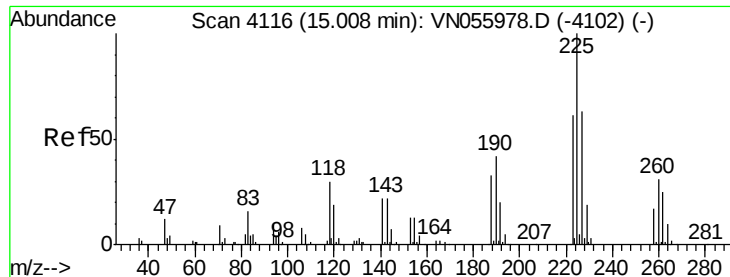
Tot Ion	Ratio	Lower	Upper
119	100		
91	6.3	30.9	92.8#
134	0.0	13.3	39.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.547 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.2	48.3	144.9
145	7.0	14.0	41.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056060.D

Acq: 6 Jun 2019 22:02

Instrument :

MSVOA_N

ClientSampled :

VN0607WBL02

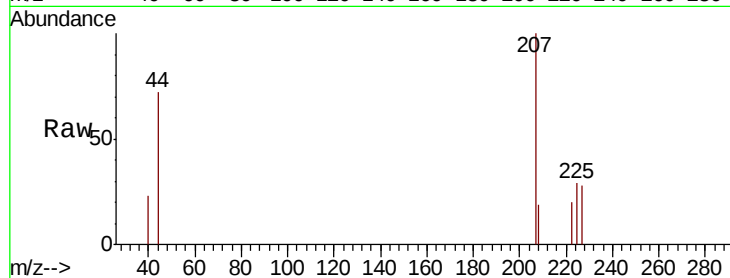
Tot Ion:225 Resp: 284

Ion Ratio Lower Upper

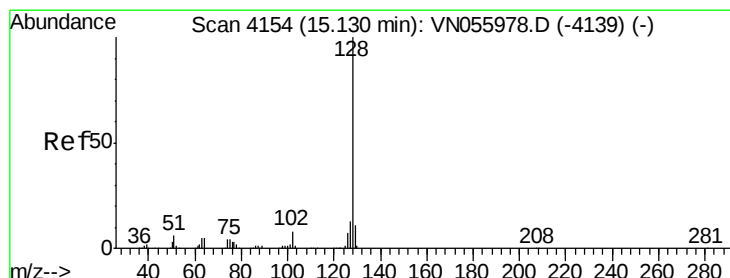
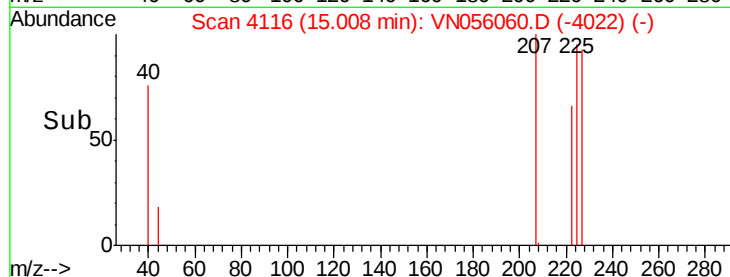
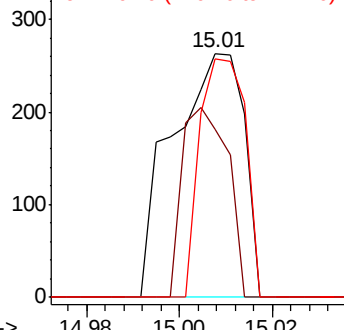
225 100

223 49.6 30.9 92.7

227 62.7 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: 4.108 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056060.D

Acq: 6 Jun 2019 22:02

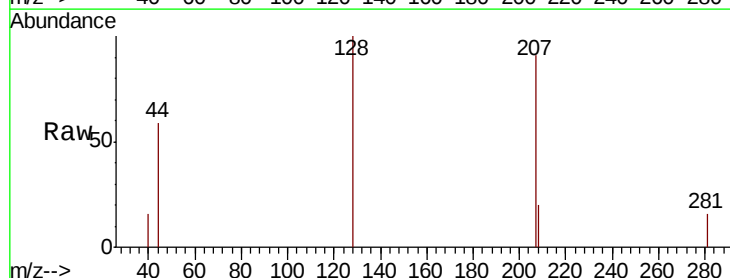
Tgt Ion:128 Resp: 1977

Ion Ratio Lower Upper

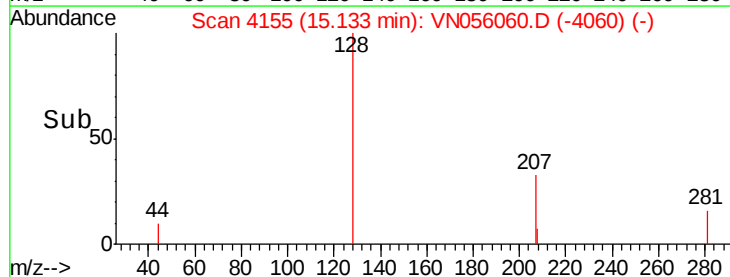
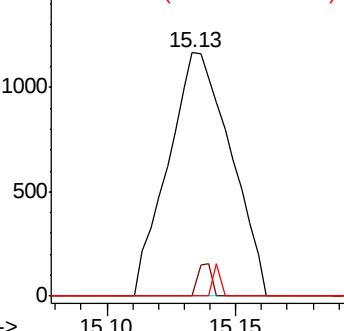
128 100

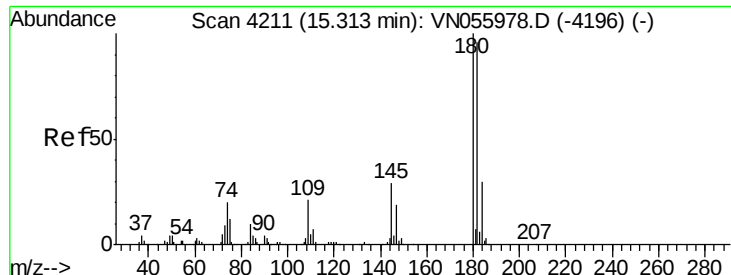
127 3.0 10.3 15.5#

129 1.5 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

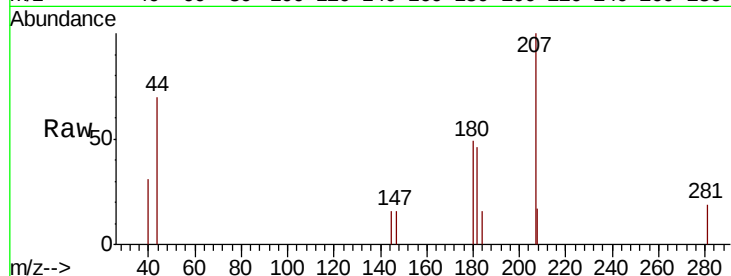




#96
 1,2,3-Trichlorobenzene
 Concen: 3.324 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN056060.D
 Acq: 6 Jun 2019 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL02

Tot Ion:180 Resp: 871
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.9 143.7
 145 10.9 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

