

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056040.D
 Acq On : 6 Jun 2019 12:50
 Operator : JC/SP
 Sample : K3195-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014NW091-190603

Quant Time: Jun 06 17:53:58 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

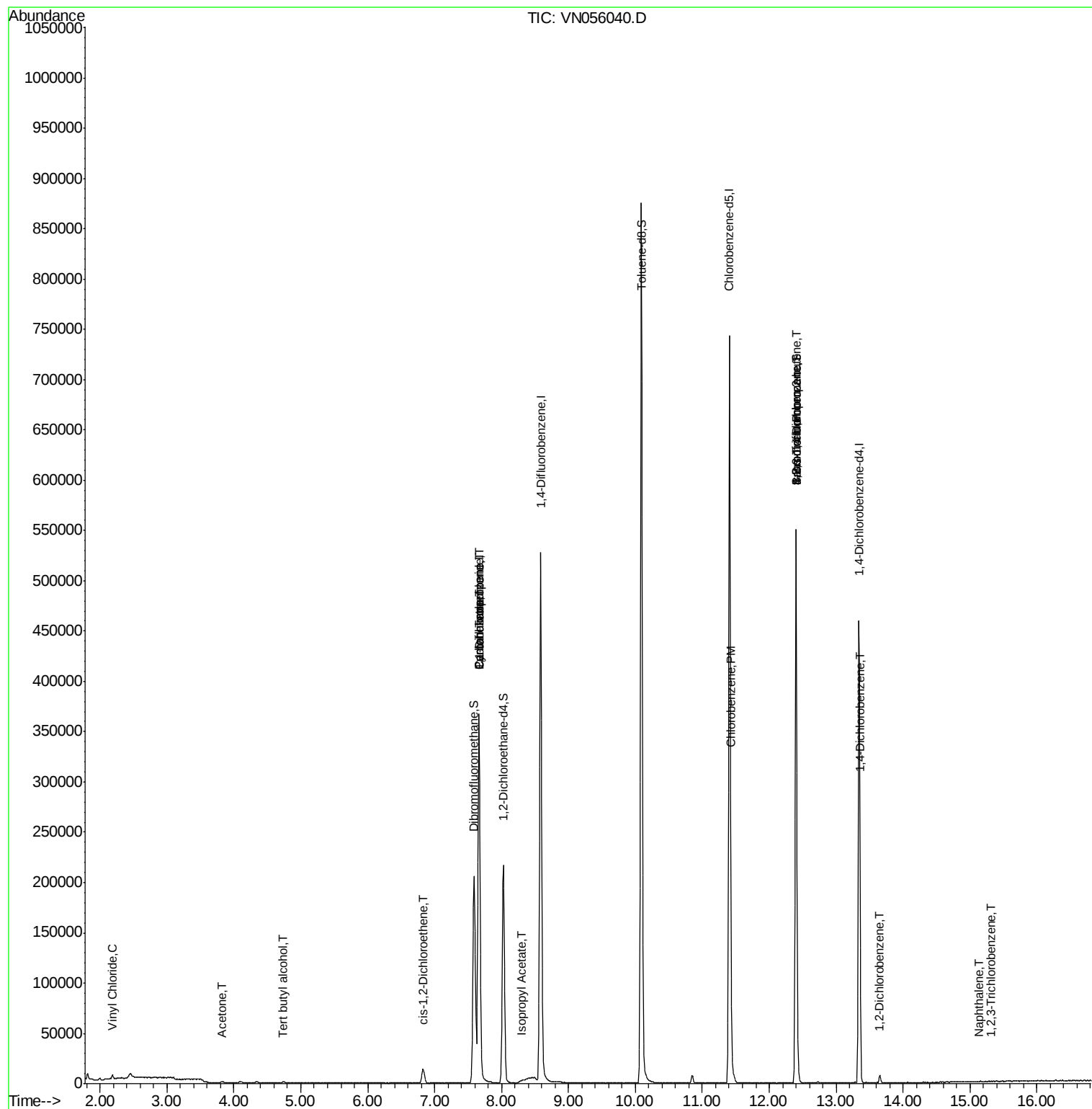
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141236	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	178535	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	
35) Dibromofluoromethane	7.59	113	158219	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
50) Toluene-d8	10.09	98	657313	53.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.40	95	197697	46.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.82%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.19	62	2894	0.771	ug/l	96
11) Tert butyl alcohol	4.73	59	191	0.320	ug/l #	74
16) Acetone	3.82	43	1186	0.724	ug/l #	88
18) Methyl Acetate	4.33	43	1645	Below Cal		95
27) cis-1,2-Dichloroethene	6.83	96	10449	2.863	ug/l	87
31) Cyclohexane	7.66	56	5132	0.944	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19636	4.351	ug/l #	48
38) Carbon Tetrachloride	7.66	117	28095	6.752	ug/l #	15
43) Isopropyl Acetate	8.29	43	1807	0.278	ug/l #	53
65) Chlorobenzene	11.43	112	18207	1.910	ug/l	96
71) Bromoform	12.40	173	1361	3.208	ug/l #	1
73) Isopropylbenzene	12.25	105	62	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	90023	34.640	ug/l #	100
79) 2-Chlorotoluene	12.60	91	296	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	90023	115.358	ug/l #	15
88) 1,4-Dichlorobenzene	13.36	146	3299	0.733	ug/l #	64
91) 1,2-Dichlorobenzene	13.65	146	4328	0.916	ug/l	94
95) Naphthalene	15.13	128	223	3.882	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	95	3.065	ug/l #	12

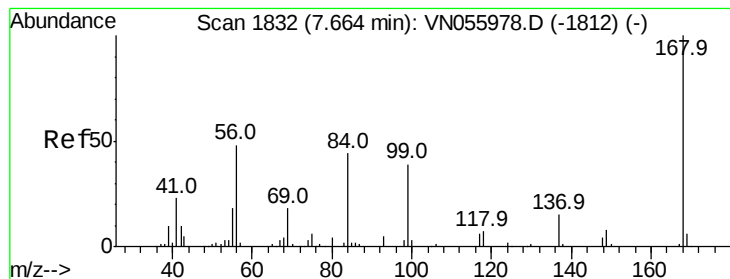
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060719\
Data File : VN056040.D
Acq On : 6 Jun 2019 12:50
Operator : JC/SP
Sample : K3195-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Jun 06 17:53:58 2019
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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: VN056040.D

Acq: 6 Jun 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

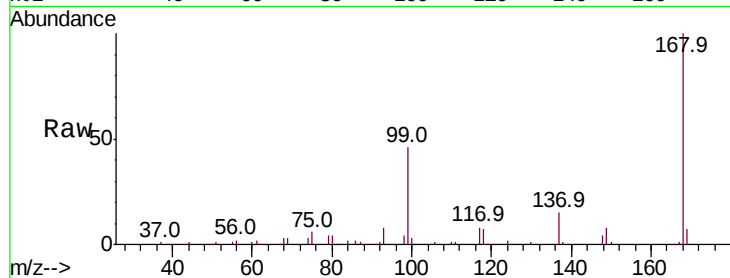
LF014NW091-190603

Tot Ion:168 Resp: 345132

Ion Ratio Lower Upper

168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

150000

100000

50000

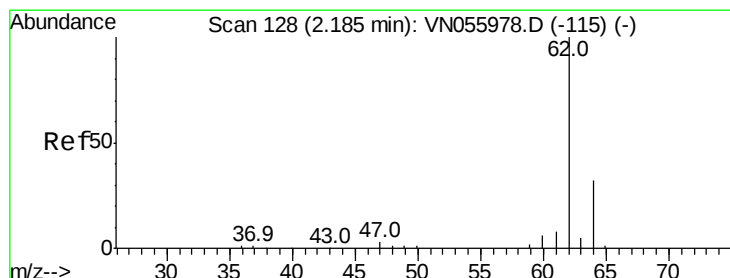
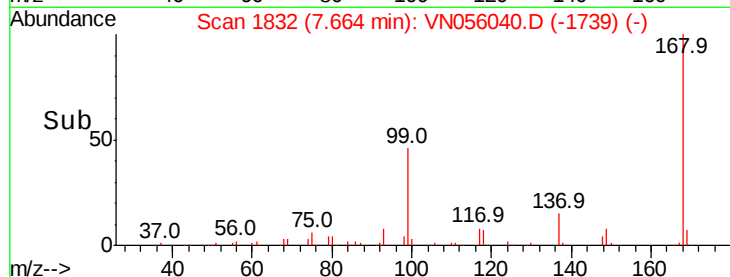
0

7.66

7.70

7.80

Time-->



#4

Vinyl Chloride

Concen: 0.771 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056040.D

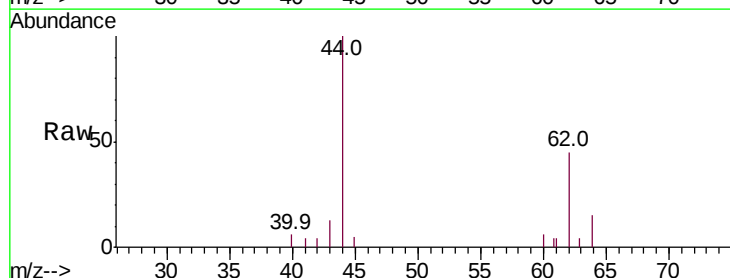
Acq: 6 Jun 2019 12:50

Tgt Ion: 62 Resp: 2894

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2000

1500

1000

500

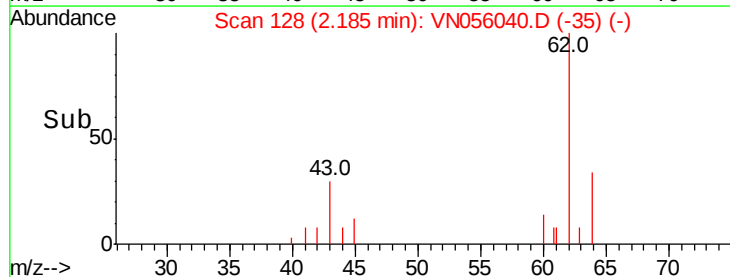
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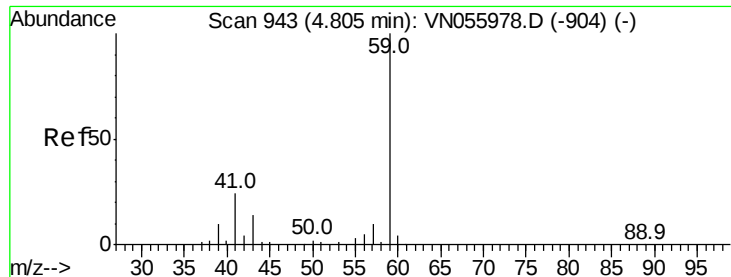
2.19

2.15

2.20

Time-->



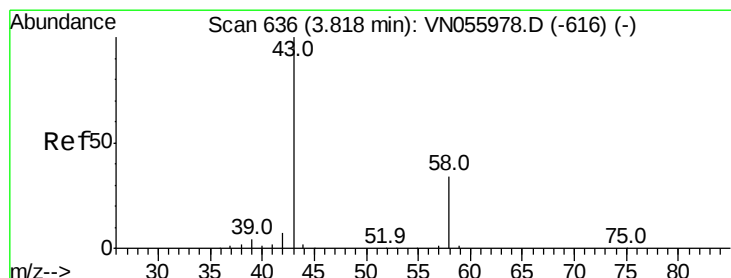
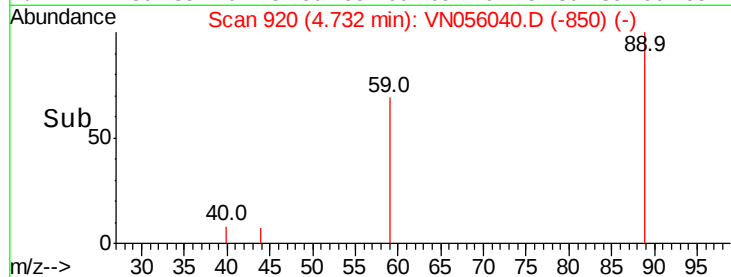
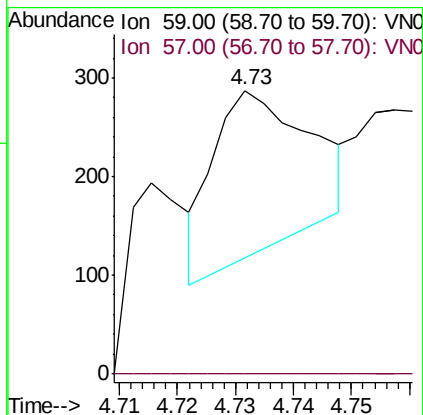
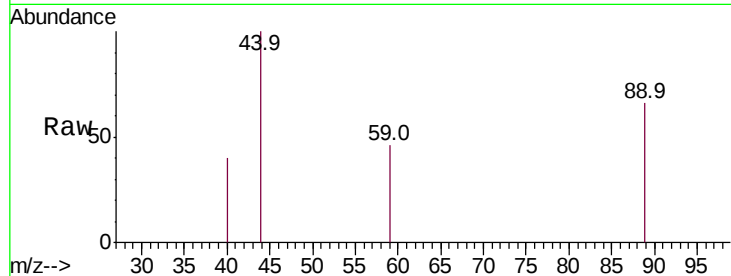


#11

Tert butyl alcohol
 Concen: 0.320 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.07 min
 Lab File: VN056040.D
 Acq: 6 Jun 2019 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014NW091-190603

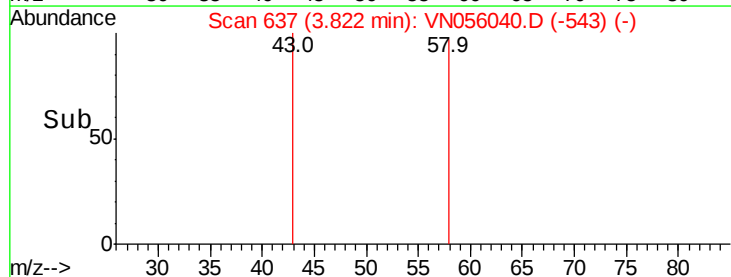
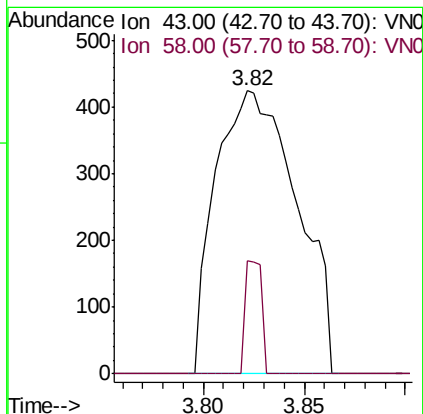
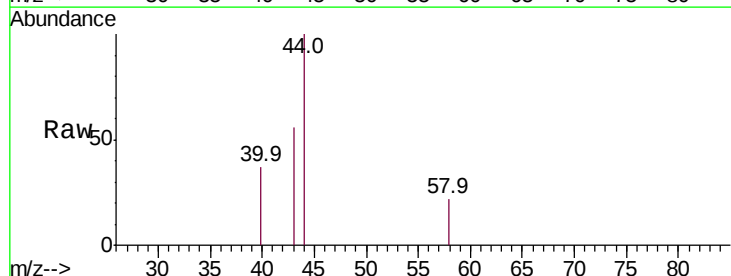
Tot Ion: 59 Resp: 191
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

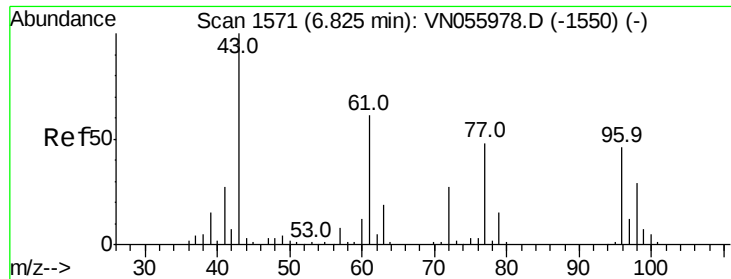


#16

Acetone
 Concen: 0.724 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056040.D
 Acq: 6 Jun 2019 12:50

Tgt Ion: 43 Resp: 1186
 Ion Ratio Lower Upper
 43 100
 58 39.9 26.6 39.8#





#27

cis-1,2-Dichloroethene

Concen: 2.863 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

LF014NW091-190603

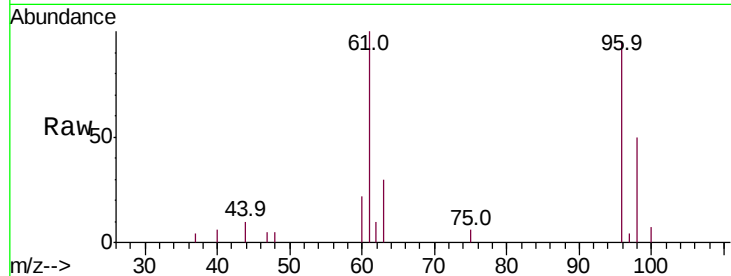
Tot Ion: 96 Resp: 10449

Ion Ratio Lower Upper

96 100

61 117.2 0.0 275.8

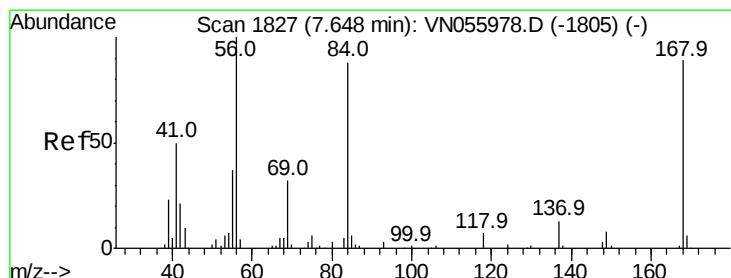
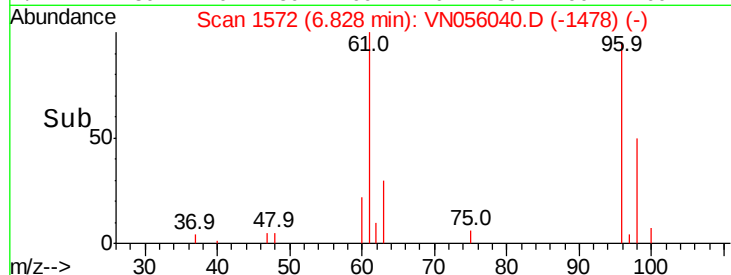
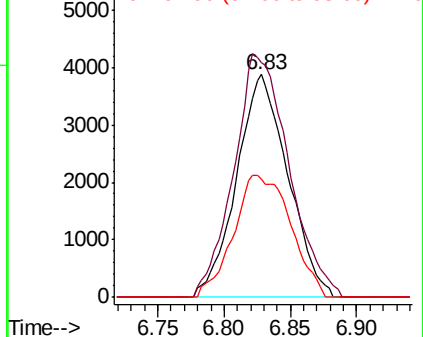
98 60.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 0.944 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

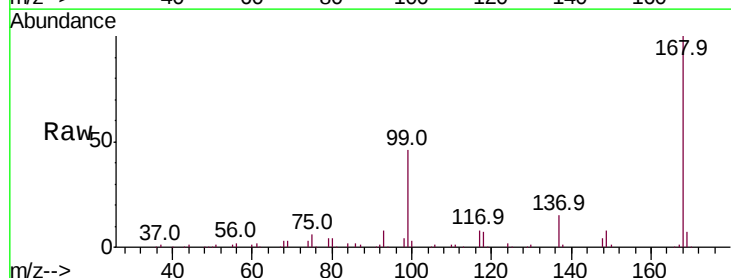
Tgt Ion: 56 Resp: 5132

Ion Ratio Lower Upper

56 100

69 173.3 25.6 38.4#

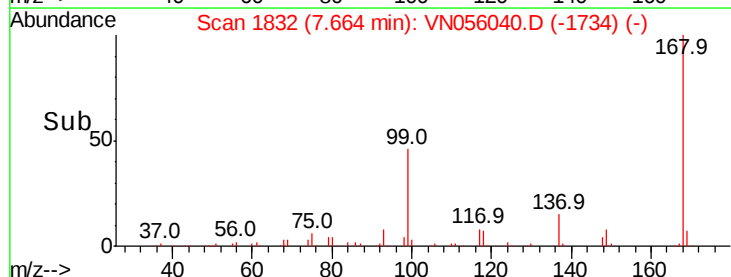
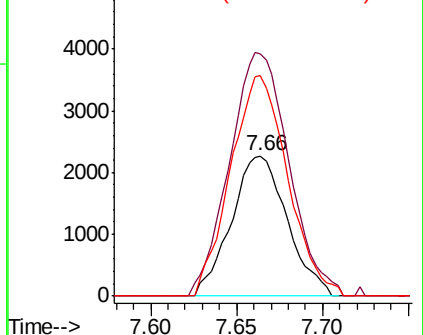
84 157.2 67.4 101.0#

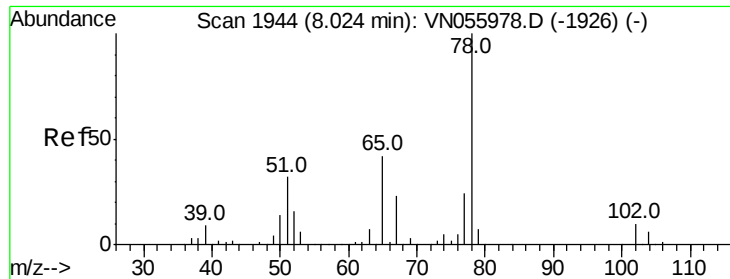


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

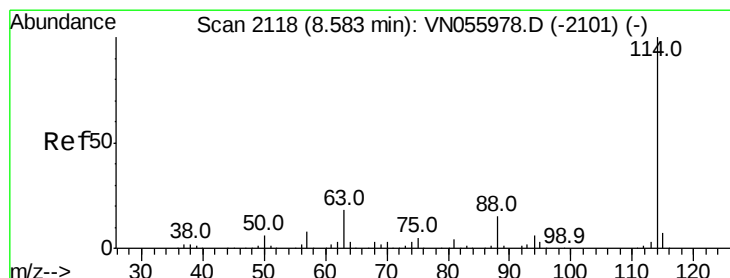
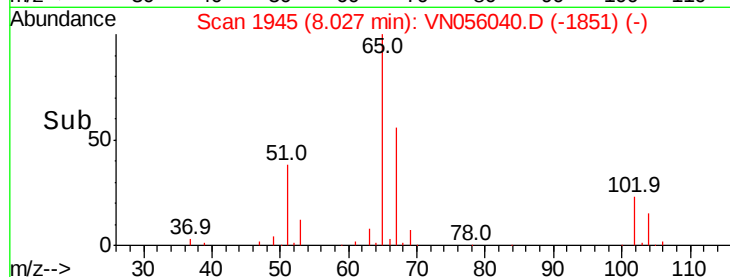
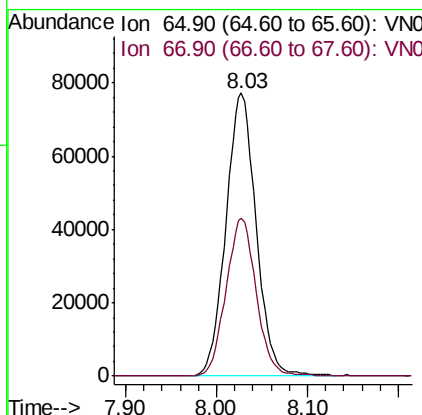
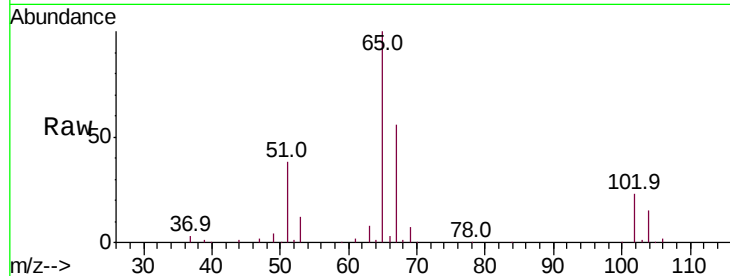




#33
 1,2-Dichloroethane-d4
 Concen: 52.099 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056040.D
 Acq: 6 Jun 2019 12:50

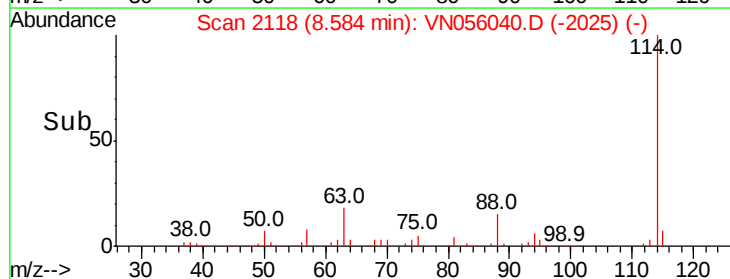
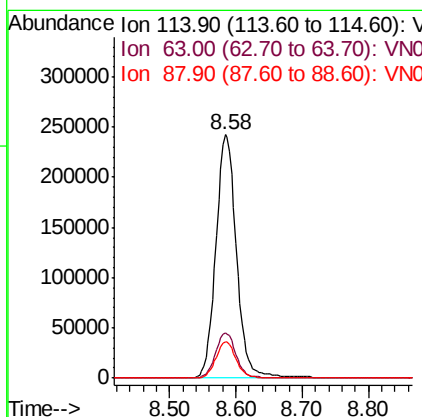
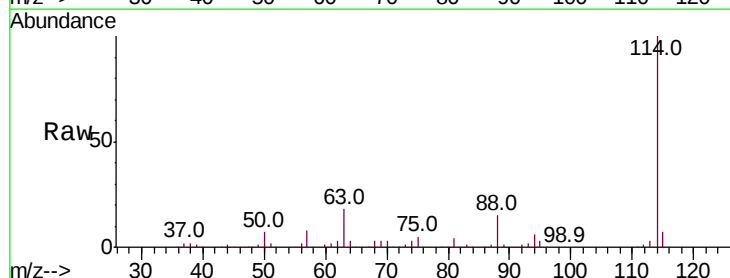
Instrument :
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 LF014NW091-190603

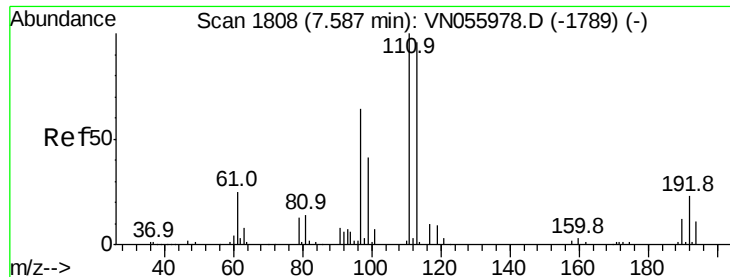
Tot Ion: 65 Resp: 178535
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056040.D
 Acq: 6 Jun 2019 12:50

Tgt Ion: 114 Resp: 524866
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 15.1 0.0 31.0

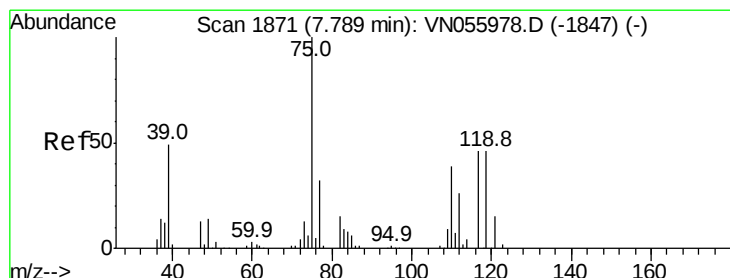
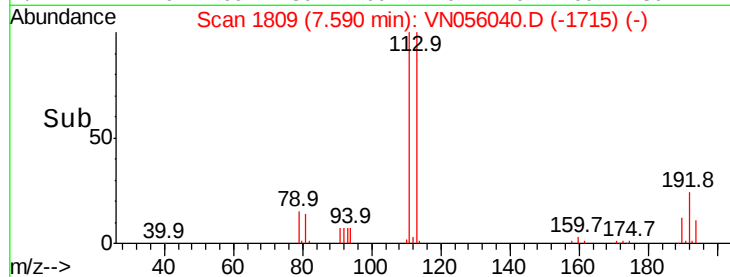
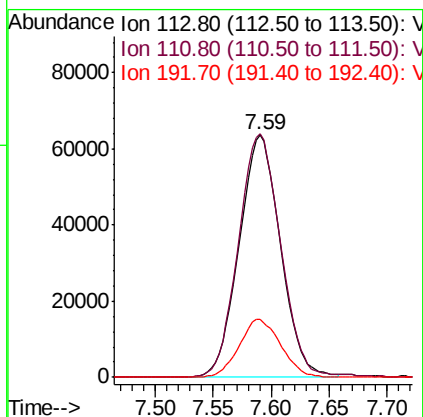
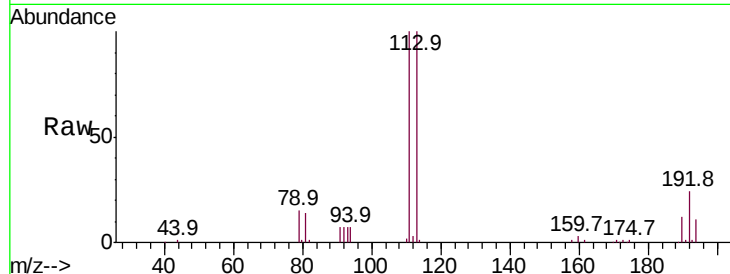




#35
 Dibromofluoromethane
 Concen: 49.133 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056040.D
 Acq: 6 Jun 2019 12:50

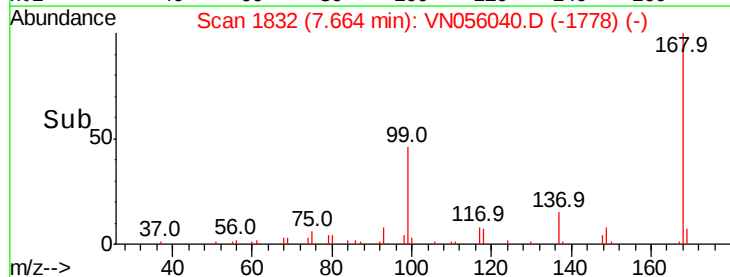
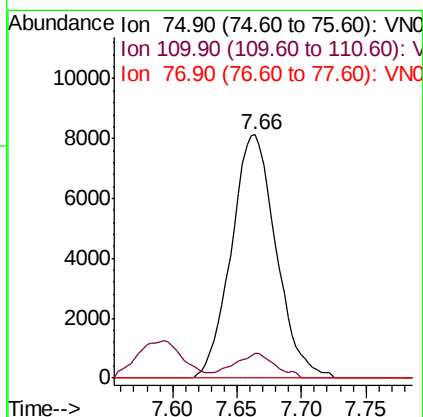
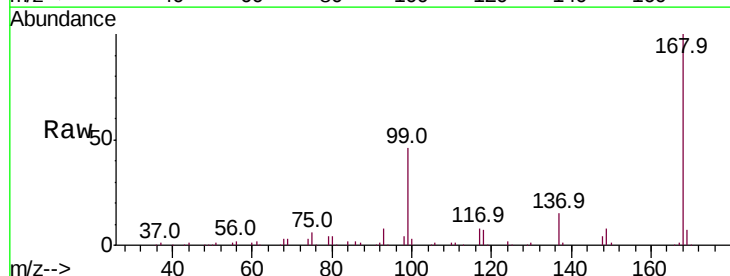
Instrument :
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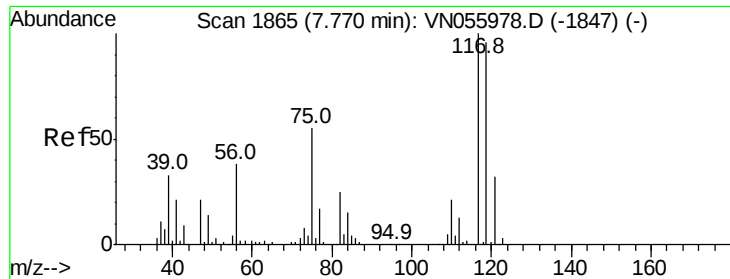
Tot Ion:113 Resp: 158219
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.9 122.9
 192 24.0 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 4.351 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056040.D
 Acq: 6 Jun 2019 12:50

Tgt Ion: 75 Resp: 19636
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.0 57.0#
 77 0.0 25.1 37.7#

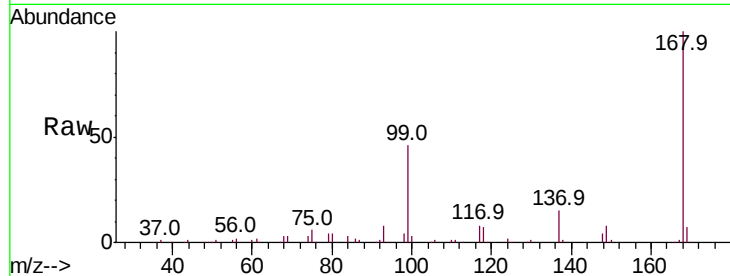




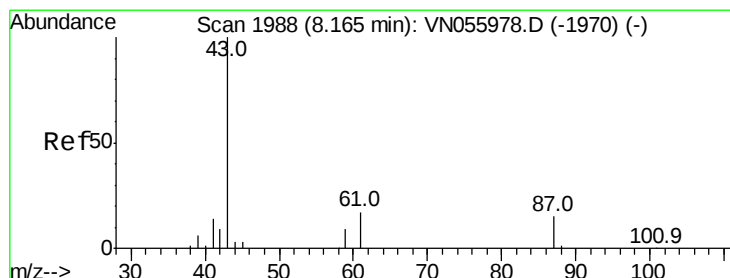
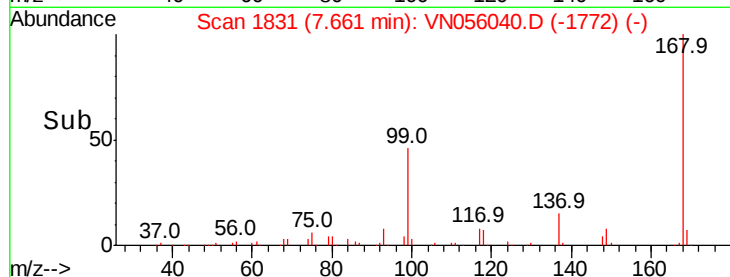
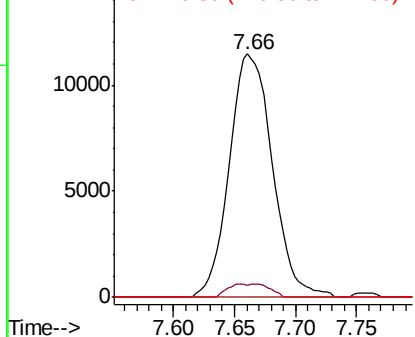
#38
Carbon Tetrachloride
Concen: 6.752 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN056040.D
Acq: 6 Jun 2019 12:50

Instrument :
MSVOA_N
ClientSampleId :
LF014NW091-190603

Tot Ion:117 Resp: 28095
Ion Ratio Lower Upper
117 100
119 5.1 79.0 118.6#
121 0.0 24.7 37.1#

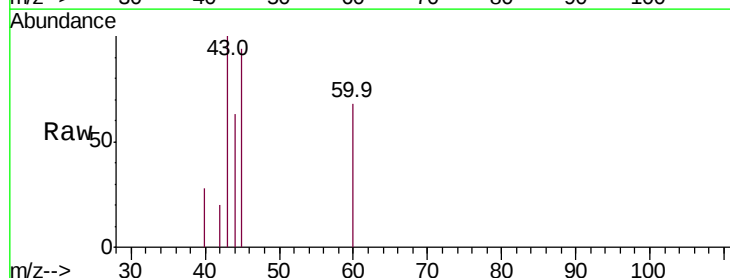


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

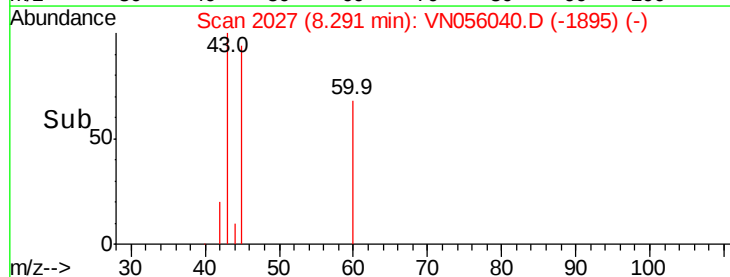
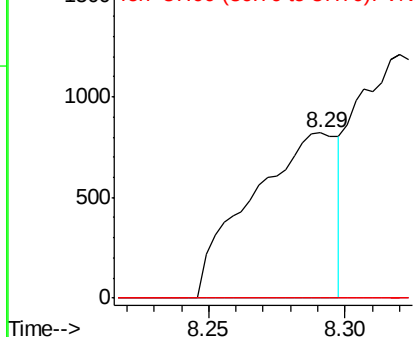


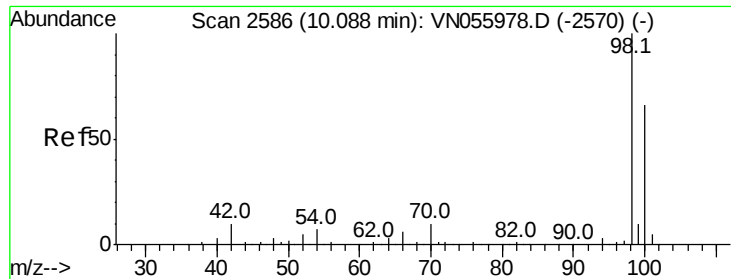
#43
Isopropyl Acetate
Concen: 0.278 ug/l
RT: 8.29 min Scan# 2027
Delta R.T. 0.13 min
Lab File: VN056040.D
Acq: 6 Jun 2019 12:50

Tgt Ion: 43 Resp: 1807
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): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 53.046 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

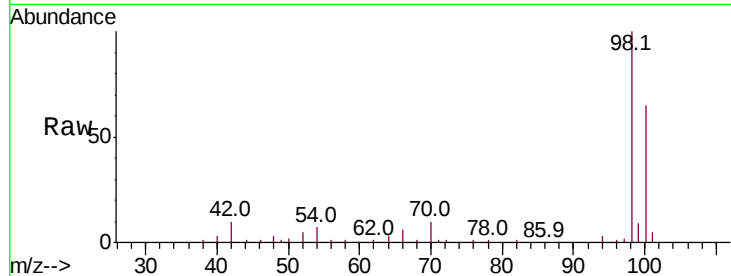
LF014NW091-190603

Tot Ion: 98 Resp: 657313

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

400000

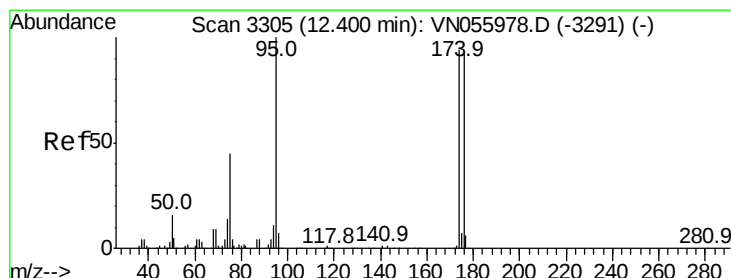
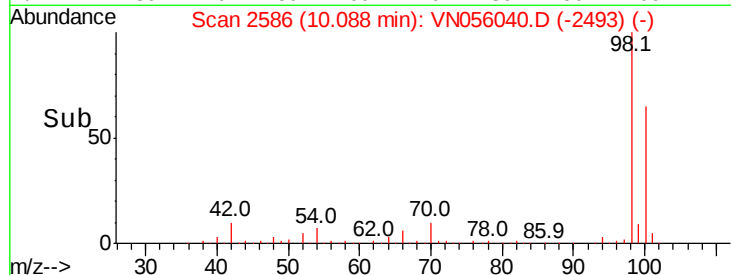
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.914 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

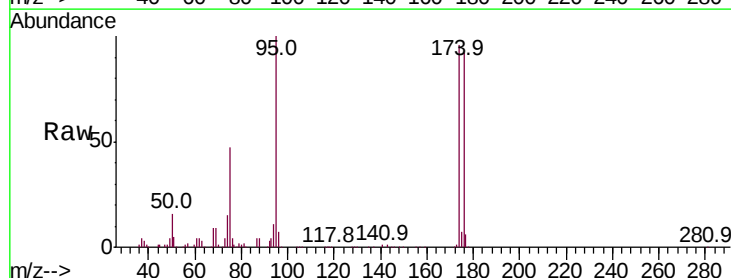
Tgt Ion: 95 Resp: 197697

Ion Ratio Lower Upper

95 100

174 94.9 0.0 191.0

176 91.7 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) (-)

12.40

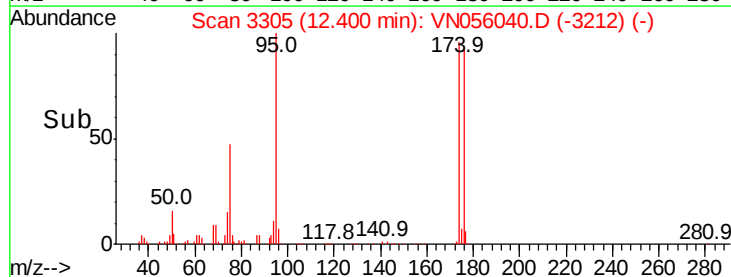
150000

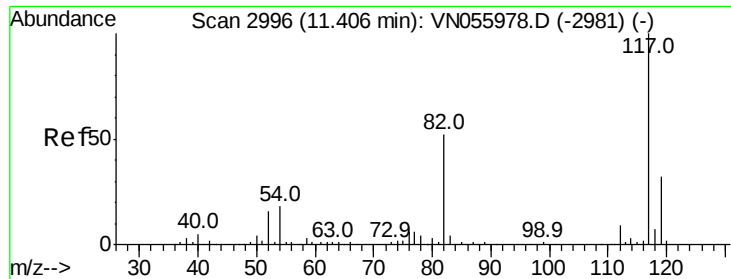
100000

50000

0

Time-->

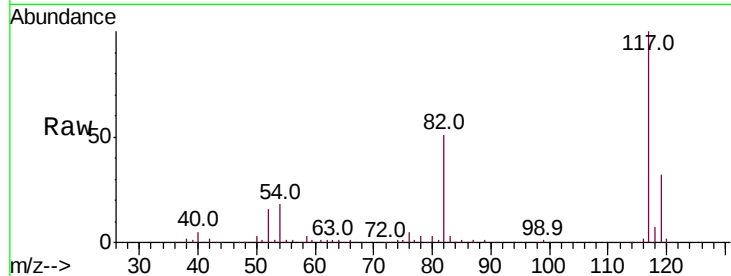




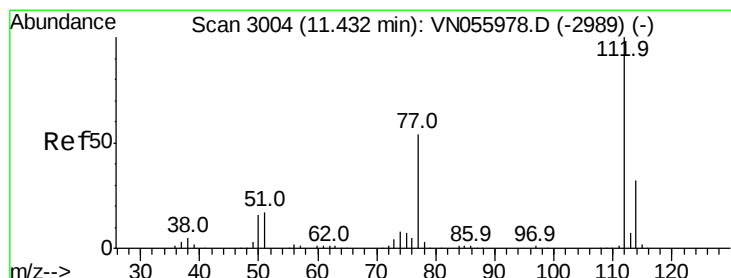
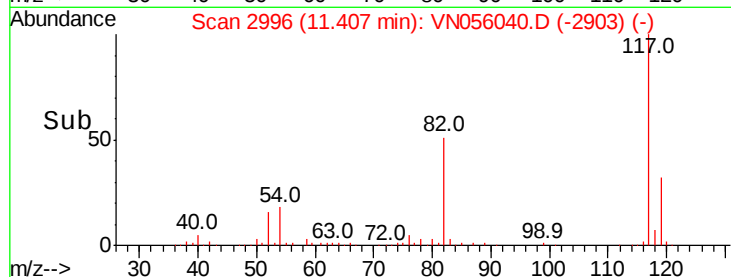
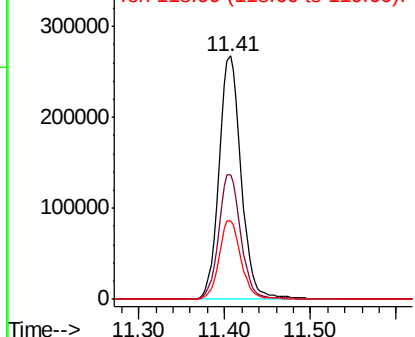
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056040.D
Acq: 6 Jun 2019 12:50

Instrument :
MSVOA_N
ClientSampleId :
LF014NW091-190603

Tot Ion:117 Resp: 478972
Ion Ratio Lower Upper
117 100
82 51.3 41.8 62.8
119 32.4 25.4 38.0

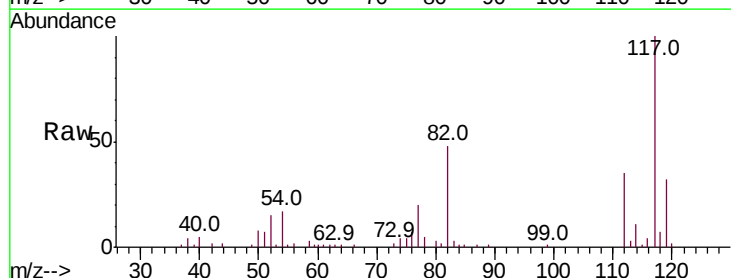


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

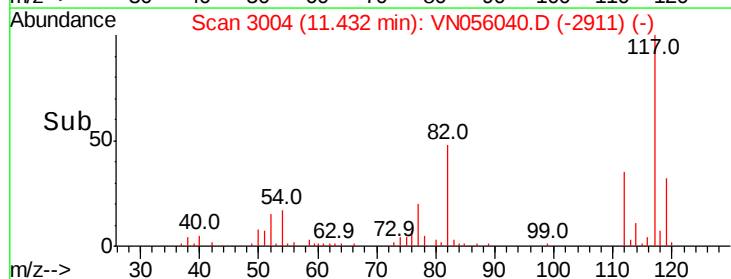
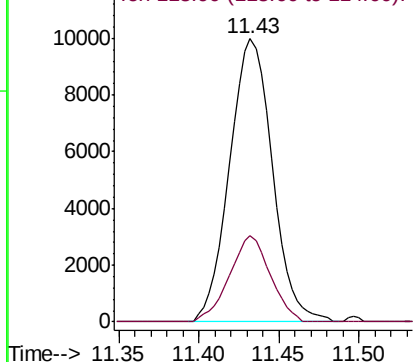


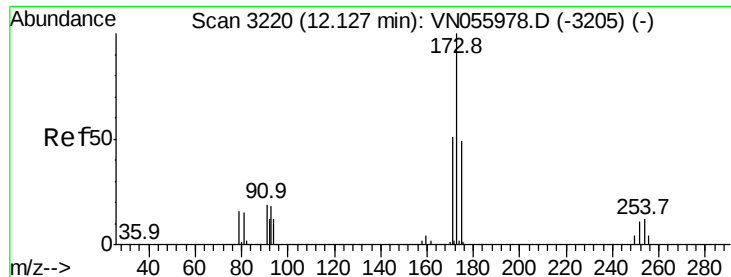
#65
Chlorobenzene
Concen: 1.910 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056040.D
Acq: 6 Jun 2019 12:50

Tgt Ion:112 Resp: 18207
Ion Ratio Lower Upper
112 100
114 30.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 3.208 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

LF014NW091-190603

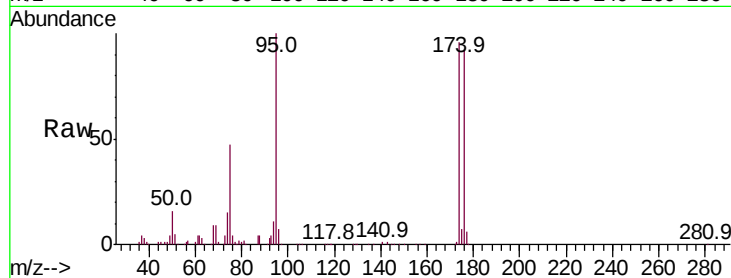
Tot Ion:173 Resp: 1361

Ion Ratio Lower Upper

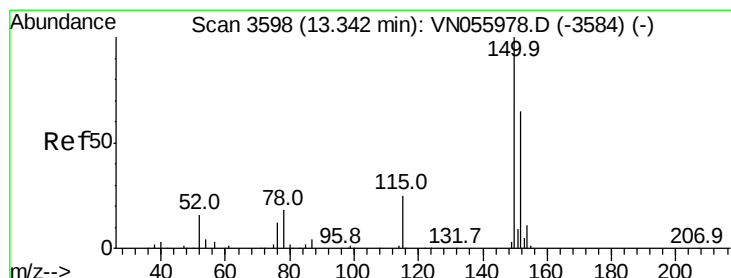
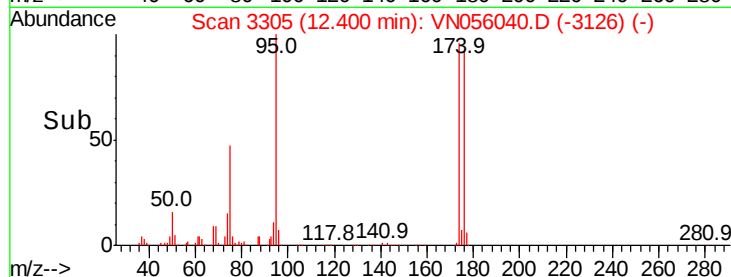
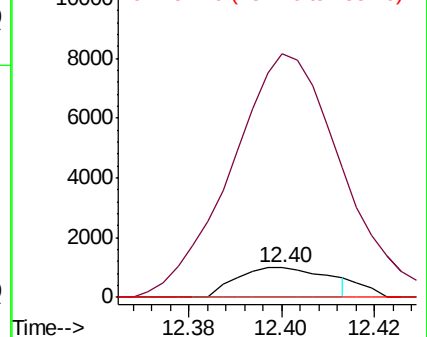
173 100

175 873.3 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: VN056040.D

Acq: 6 Jun 2019 12:50

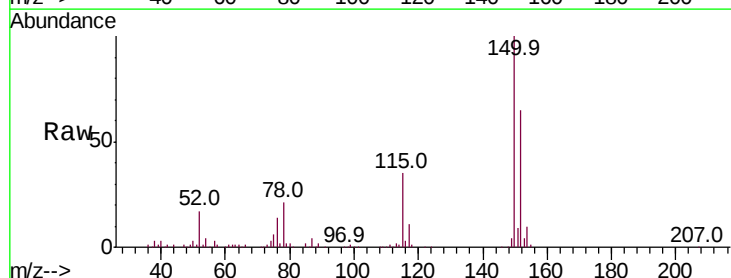
Tgt Ion:152 Resp: 141236

Ion Ratio Lower Upper

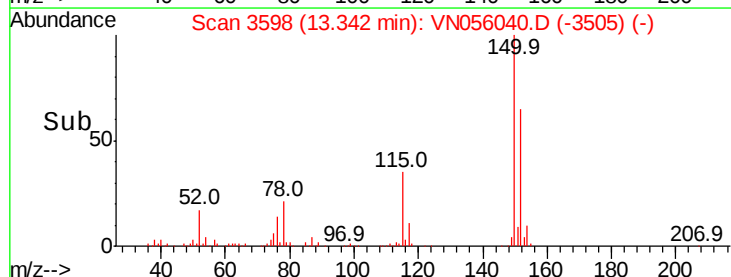
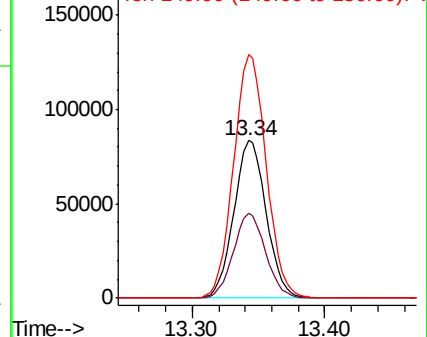
152 100

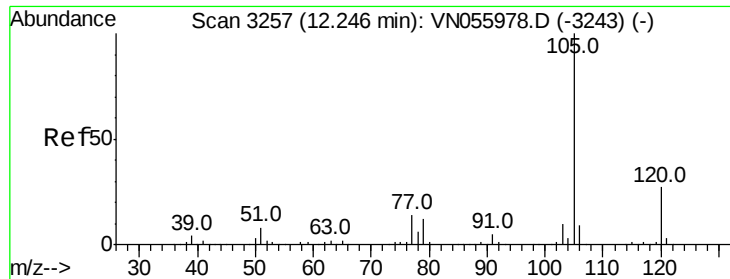
115 53.7 27.0 81.0

150 156.0 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: VN056040.D

Acq: 6 Jun 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

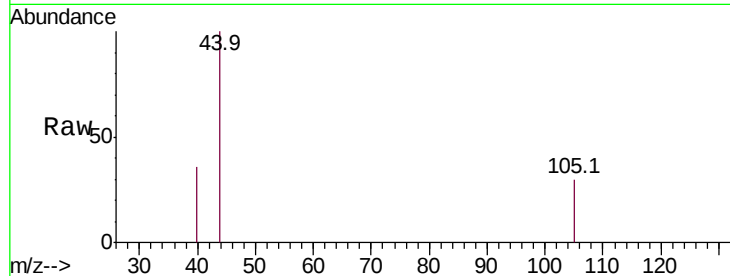
LF014NW091-190603

Tot Ion:105 Resp: 62

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

150

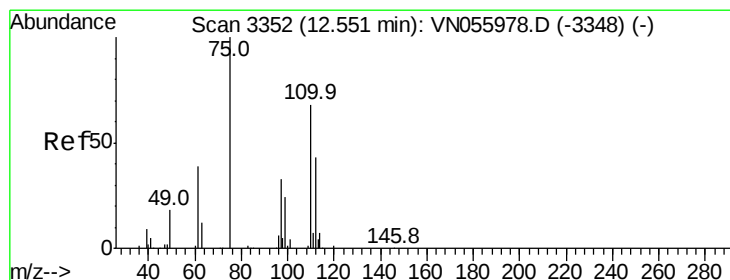
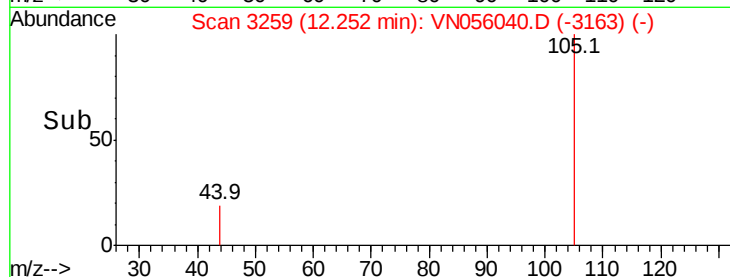
100

50

0

12.24 12.25 12.26

Time-->



#76

1,2,3-Trichloropropane

Concen: 34.640 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056040.D

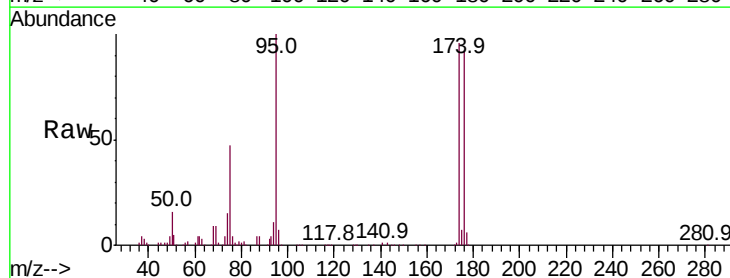
Acq: 6 Jun 2019 12:50

Tgt Ion: 75 Resp: 90023

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

60000

50000

40000

30000

20000

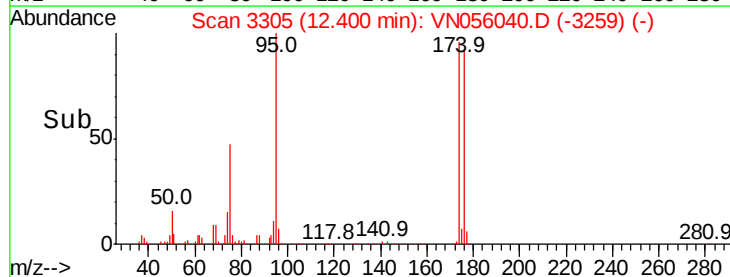
10000

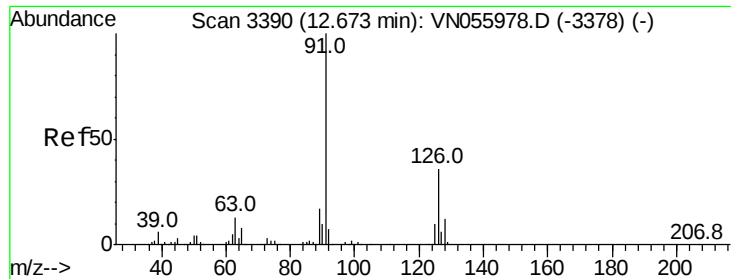
0

12.40

12.50

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

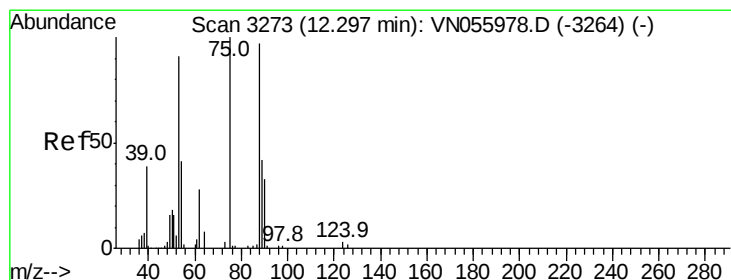
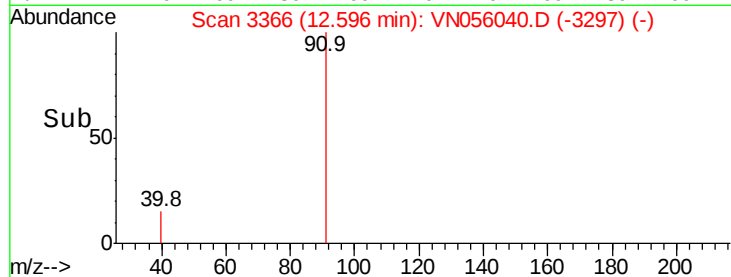
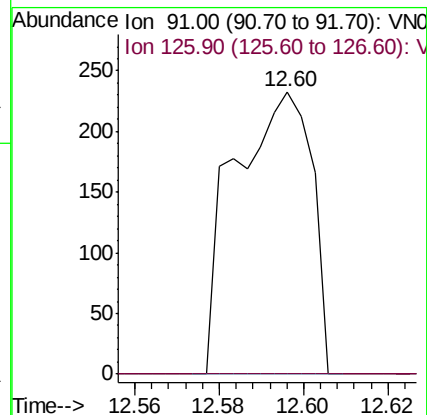
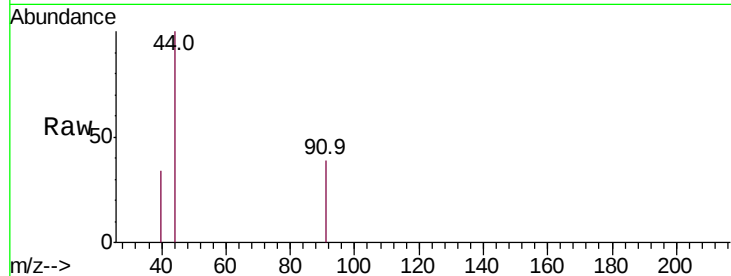
LF014NW091-190603

Tot Ion: 91 Resp: 296

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.358 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

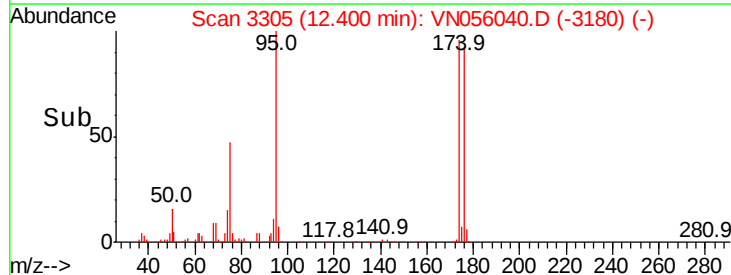
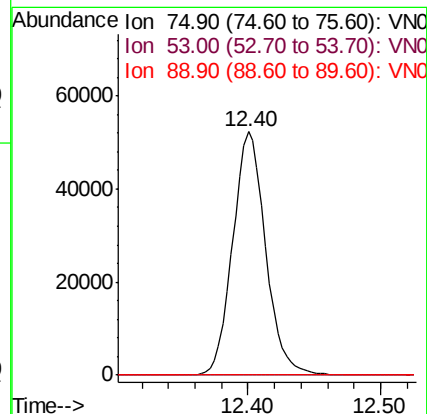
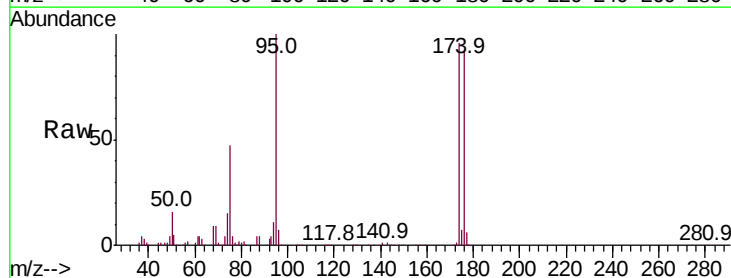
Tgt Ion: 75 Resp: 90023

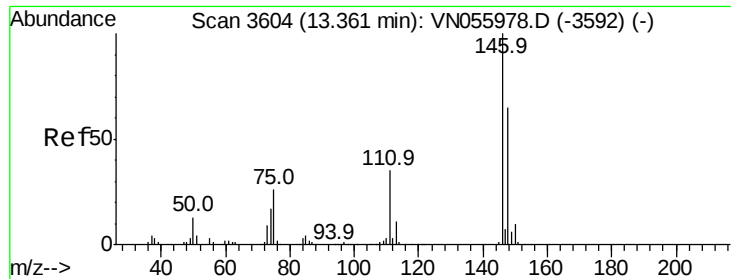
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

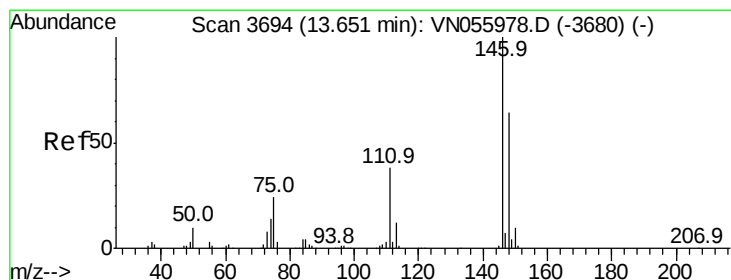
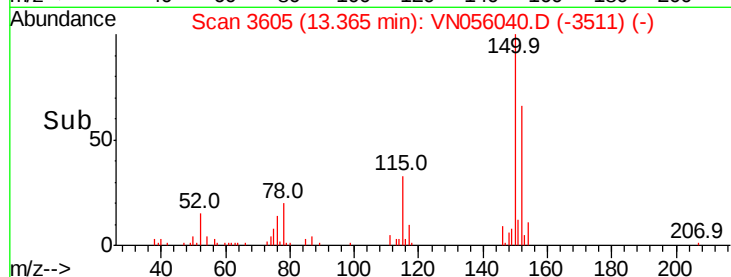
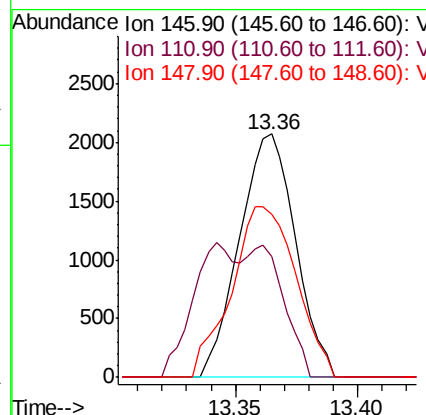
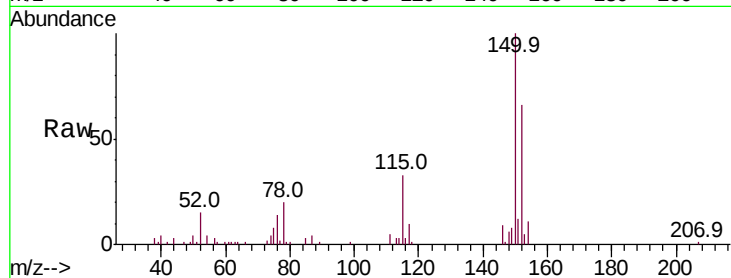




#88
 1,4-Dichlorobenzene
 Concen: 0.733 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056040.D
 Acq: 6 Jun 2019 12:50

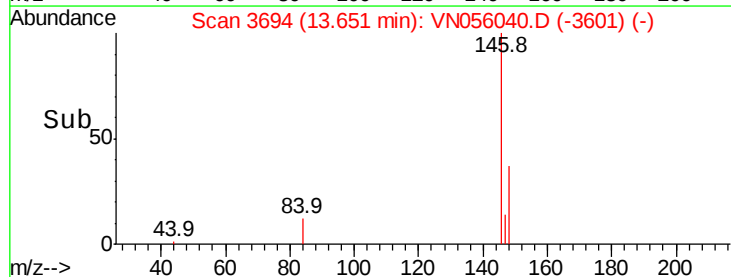
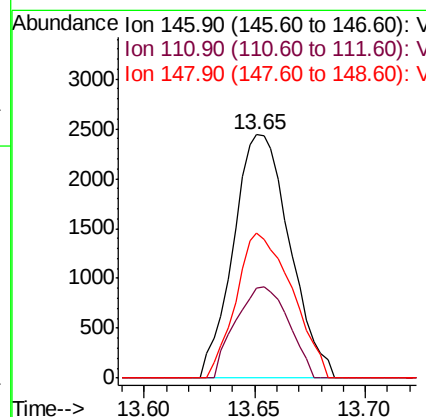
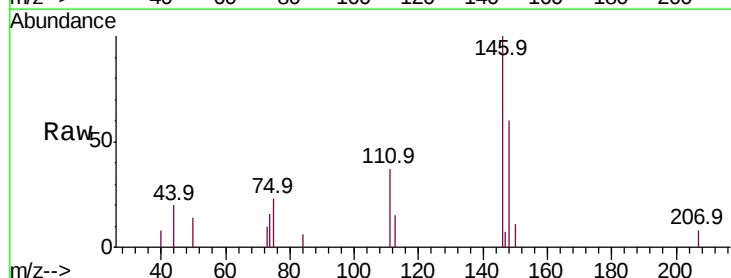
Instrument :
 MSVOA_N
 ClientSampleId :
 LF014NW091-190603

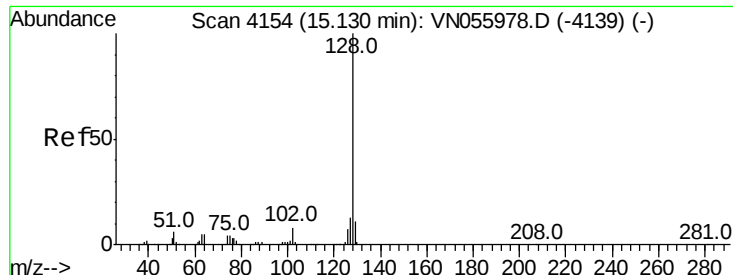
Tot Ion:146 Resp: 3299
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.1 54.4#
 148 80.7 32.1 96.5



#91
 1,2-Dichlorobenzene
 Concen: 0.916 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056040.D
 Acq: 6 Jun 2019 12:50

Tgt Ion:146 Resp: 4328
 Ion Ratio Lower Upper
 146 100
 111 35.3 19.1 57.5
 148 59.0 31.9 95.9





#95

Naphthalene

Concen: 3.882 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

Instrument :

MSVOA_N

ClientSampleId :

LF014NW091-190603

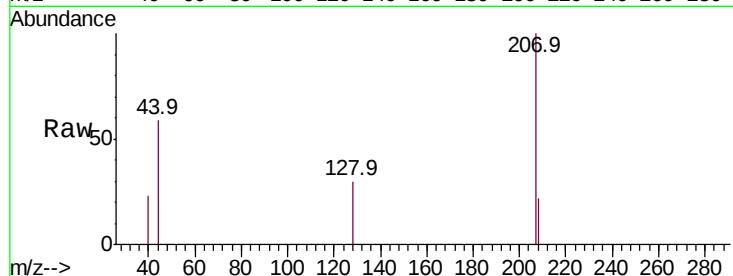
Tot Ion:128 Resp: 223

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 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

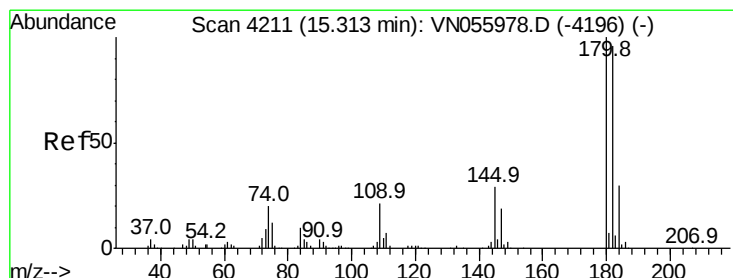
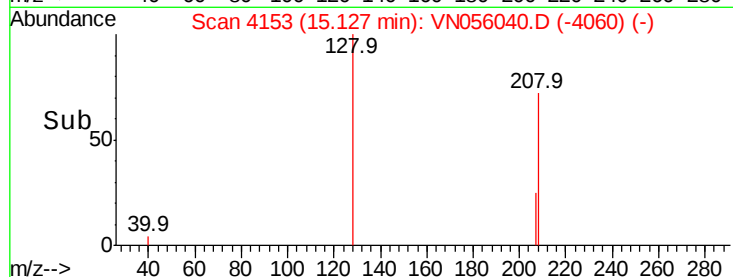
15.13

200

100

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.065 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056040.D

Acq: 6 Jun 2019 12:50

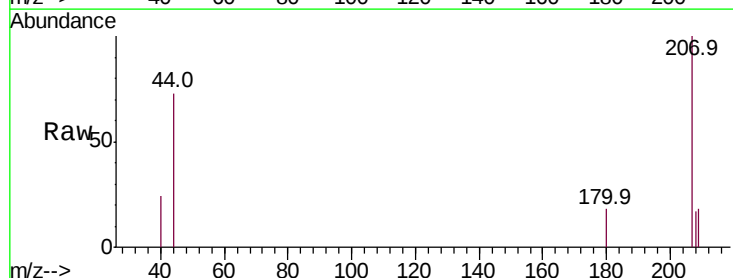
Tgt Ion:180 Resp: 95

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.7#

145 0.0 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

15.31

200

150

100

50

0

Time-->

