

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056042.D
 Acq On : 6 Jun 2019 13:40
 Operator : JC/SP
 Sample : K3195-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014MW009-190603

Quant Time: Jun 06 17:54:19 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

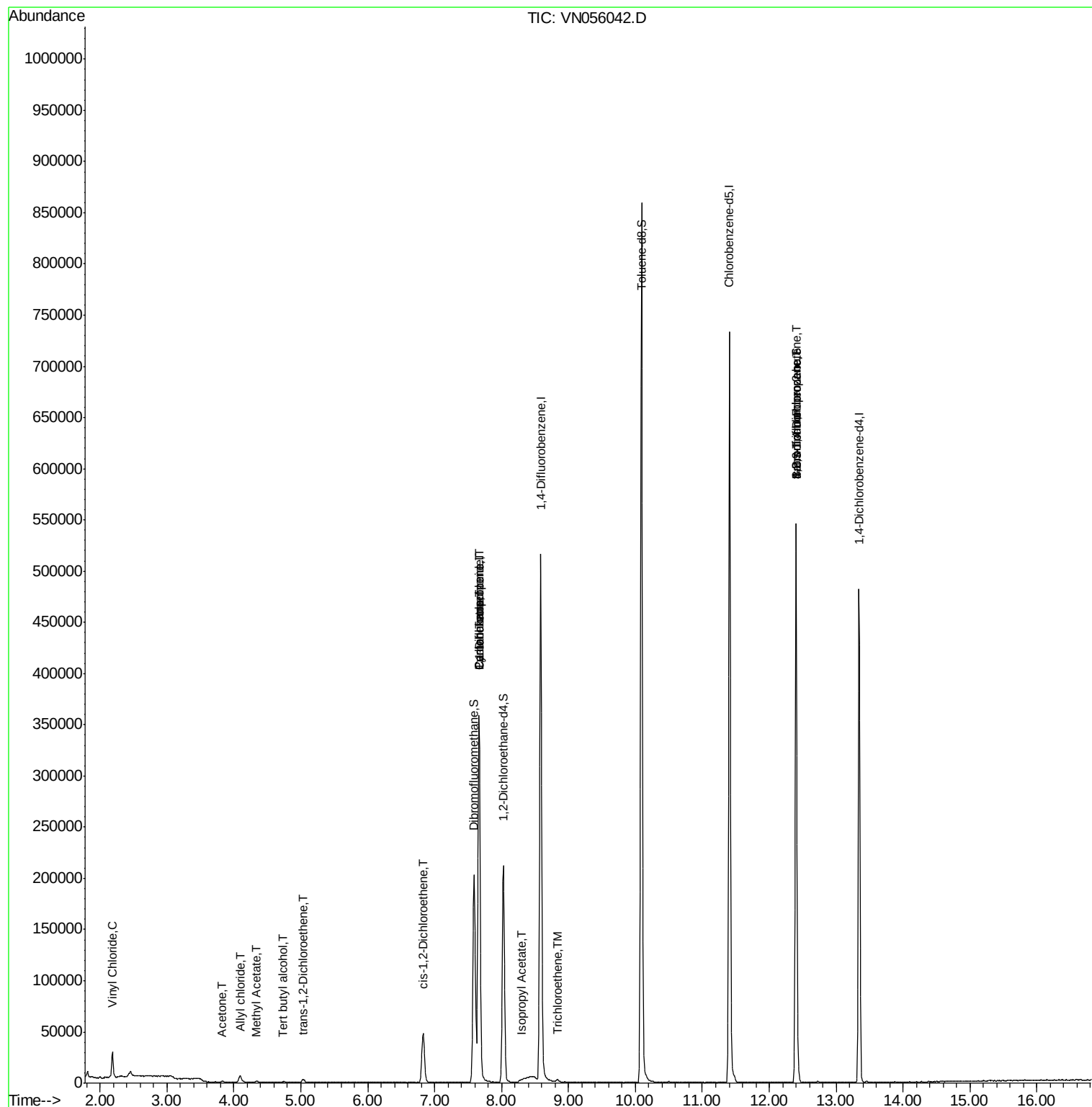
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	340215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	514352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147221	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	176813	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
35) Dibromofluoromethane	7.59	113	154857	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
50) Toluene-d8	10.09	98	643844	53.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.40	95	199681	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.18	62	23250	6.285	ug/l	99
11) Tert butyl alcohol	4.73	59	439	0.747	ug/l #	74
14) Allyl chloride	4.10	41	1236	0.274	ug/l #	45
16) Acetone	3.81	43	754	0.467	ug/l #	87
18) Methyl Acetate	4.33	43	2502	0.213	ug/l #	78
21) trans-1,2-Dichloroethene	5.03	96	2013	0.658	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	34377	9.557	ug/l	88
31) Cyclohexane	7.67	56	4885	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19577	4.426	ug/l #	42
38) Carbon Tetrachloride	7.66	117	28383	6.961	ug/l #	15
43) Isopropyl Acetate	8.29	43	2441	0.383	ug/l #	53
44) Trichloroethene	8.83	130	1151	0.298	ug/l	88
71) Bromoform	12.40	173	1303	3.191	ug/l #	1
73) Isopropylbenzene	12.40	105	93	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	89442	33.017	ug/l #	100
79) 2-Chlorotoluene	12.59	91	63	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	89442	109.954	ug/l #	15

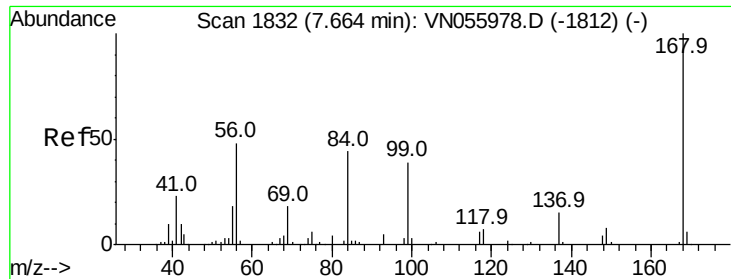
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

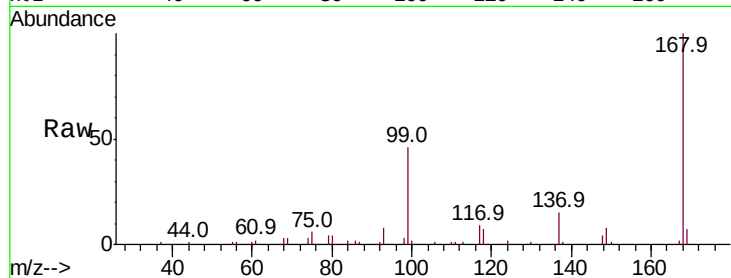
LF014MW009-190603

Tot Ion:168 Resp: 340215

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

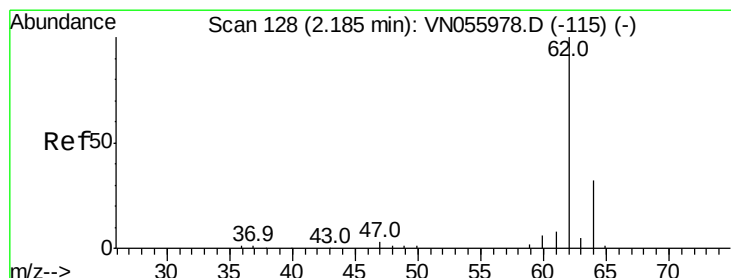
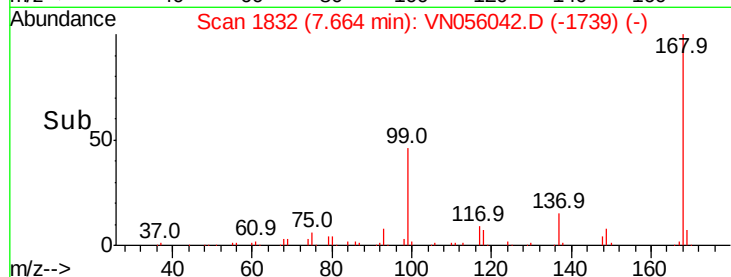
100000

50000

0

Time-->

7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 6.285 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056042.D

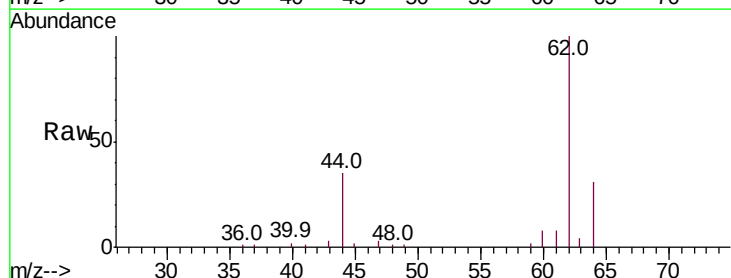
Acq: 6 Jun 2019 13:40

Tgt Ion: 62 Resp: 23250

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

15000

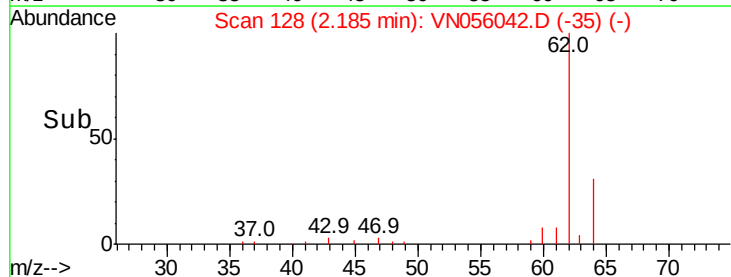
10000

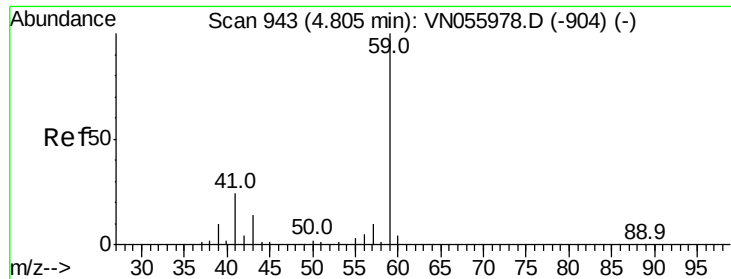
5000

0

Time-->

2.15 2.20 2.25

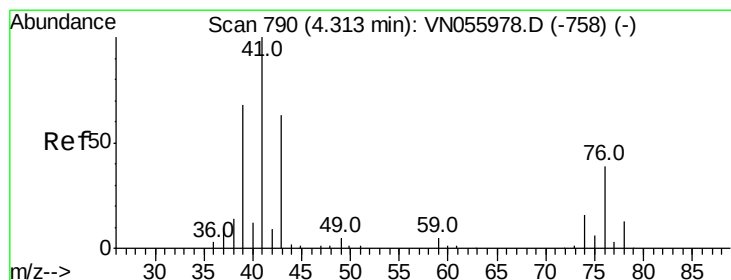
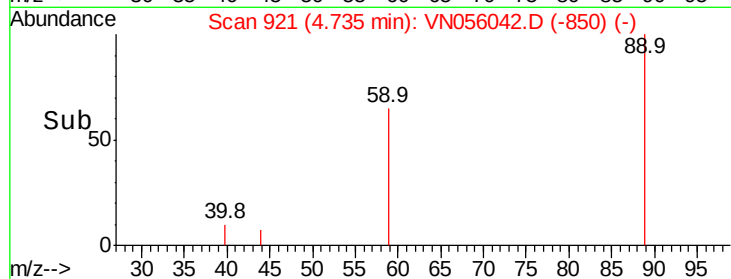
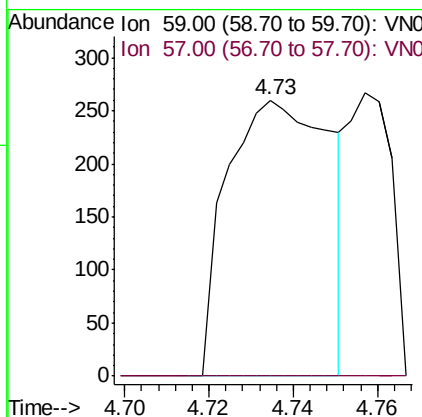
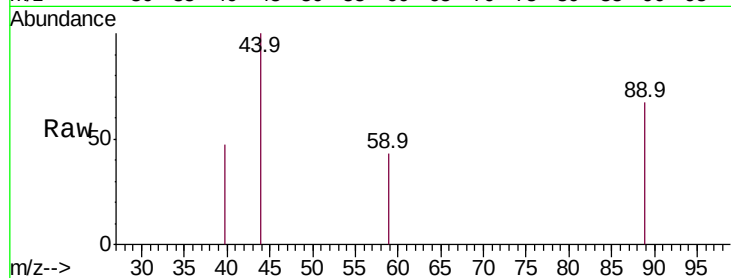




#11
Tert butyl alcohol
Concen: 0.747 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.07 min
Lab File: VN056042.D
Acq: 6 Jun 2019 13:40

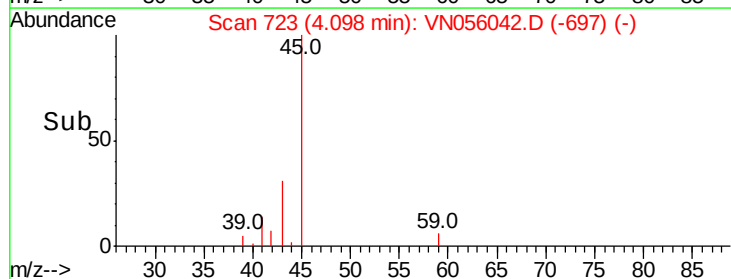
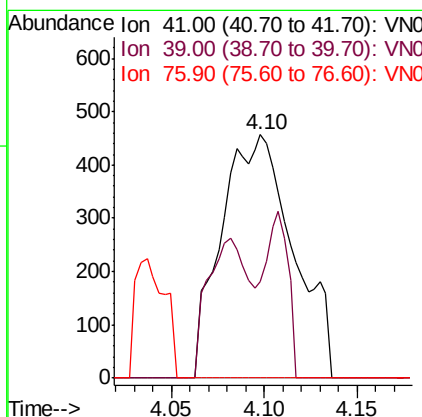
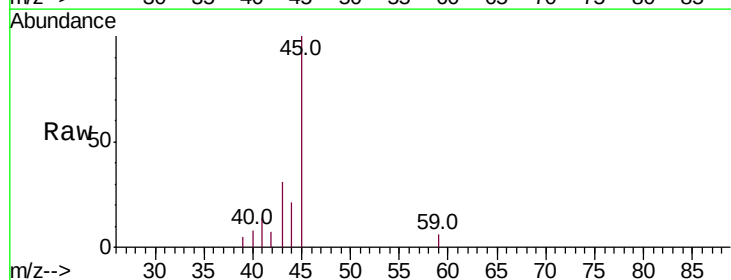
Instrument :
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ClientSampleId :
LF014MW009-190603

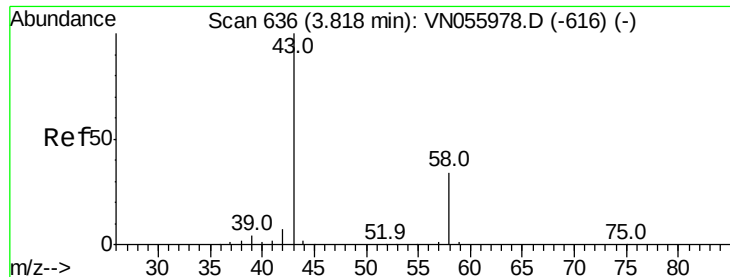
Tot Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 0.274 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.22 min
Lab File: VN056042.D
Acq: 6 Jun 2019 13:40

Tgt Ion: 41 Resp: 1236
Ion Ratio Lower Upper
41 100
39 22.6 50.0 75.0#
76 0.0 28.2 42.2#





#16

Acetone

Concen: 0.467 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

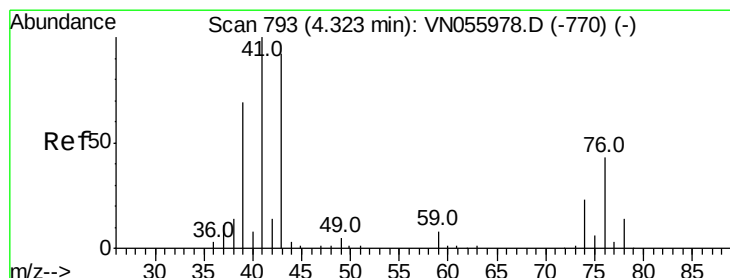
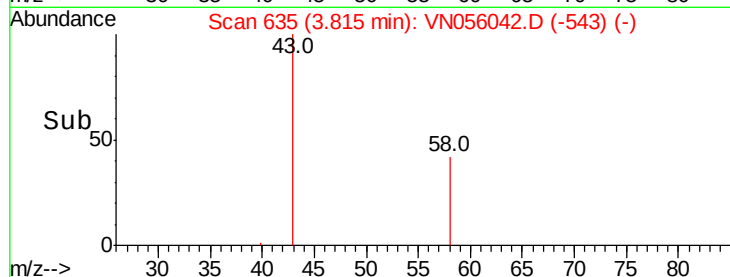
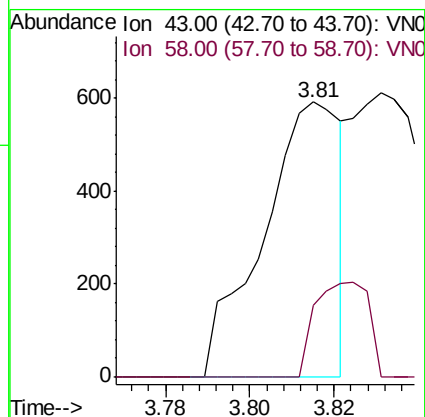
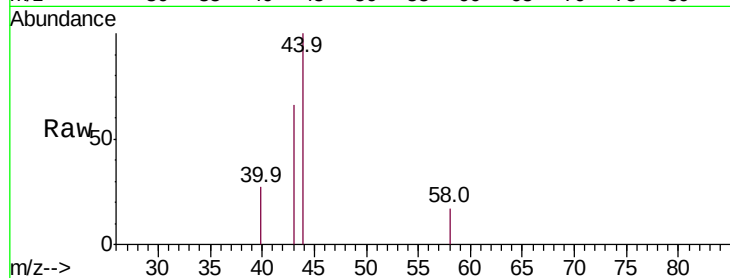
LF014MW009-190603

Tot Ion: 43 Resp: 754

Ion Ratio Lower Upper

43 100

58 25.7 26.6 39.8#



#18

Methyl Acetate

Concen: 0.213 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056042.D

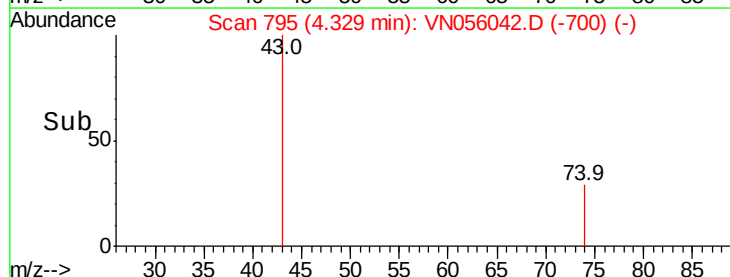
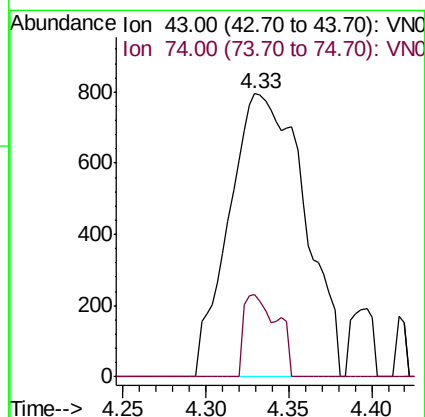
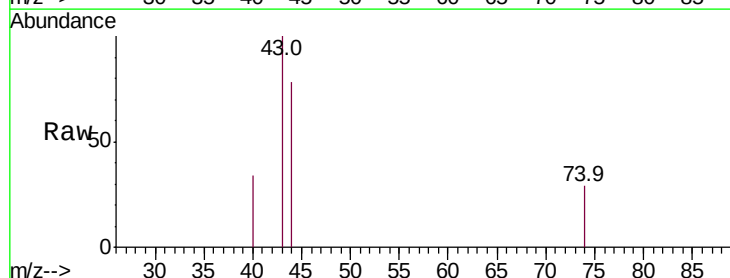
Acq: 6 Jun 2019 13:40

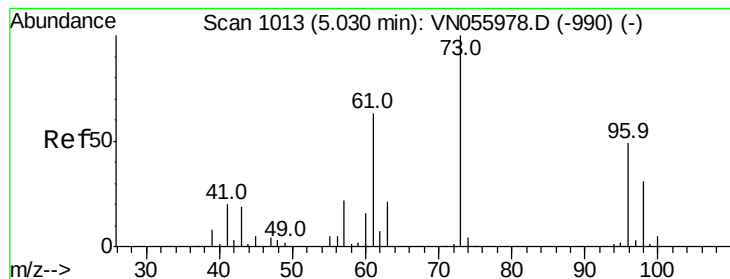
Tgt Ion: 43 Resp: 2502

Ion Ratio Lower Upper

43 100

74 13.0 19.3 28.9#





#21

trans-1,2-Dichloroethene

Concen: 0.658 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

LF014MW009-190603

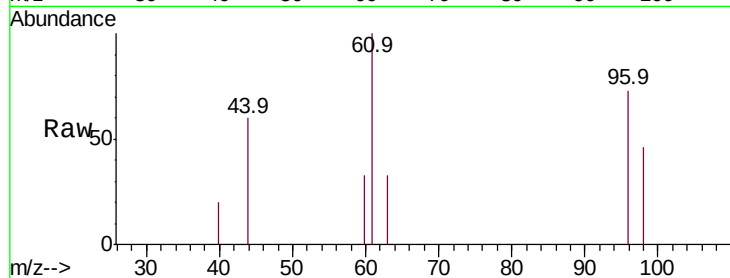
Tot Ion: 96 Resp: 2013

Ion Ratio Lower Upper

96 100

61 137.5 107.8 161.8

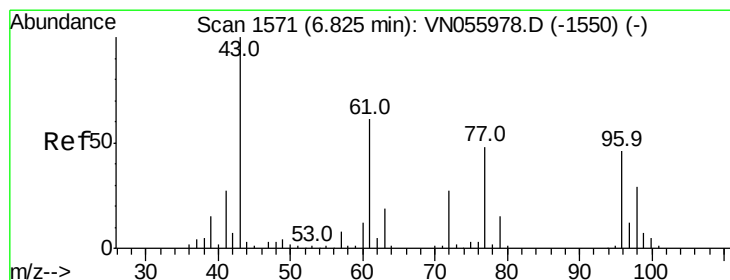
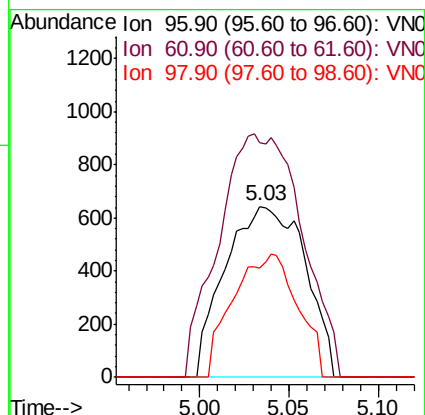
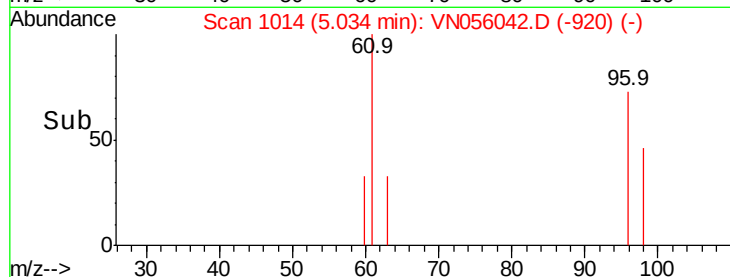
98 63.9 49.8 74.8



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



#27

cis-1,2-Dichloroethene

Concen: 9.557 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

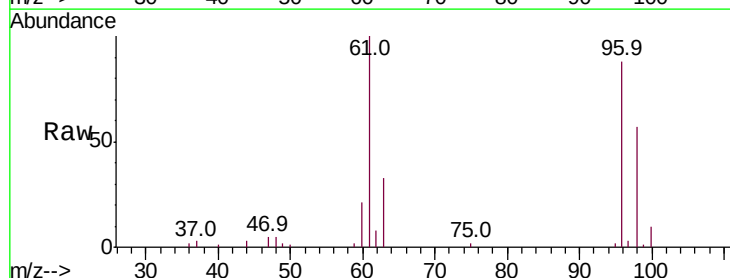
Tgt Ion: 96 Resp: 34377

Ion Ratio Lower Upper

96 100

61 118.7 0.0 275.8

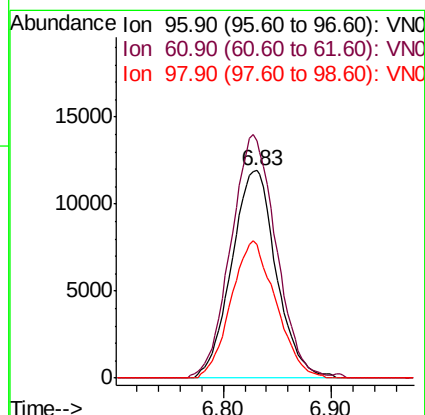
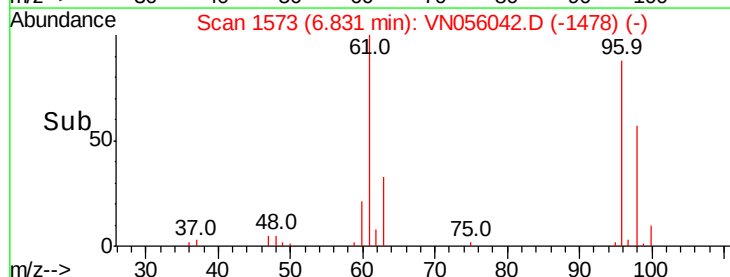
98 66.4 0.0 128.4

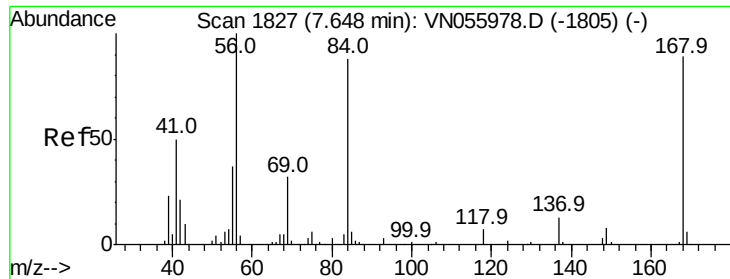


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

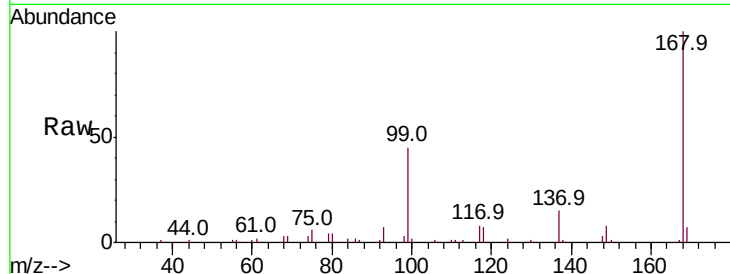




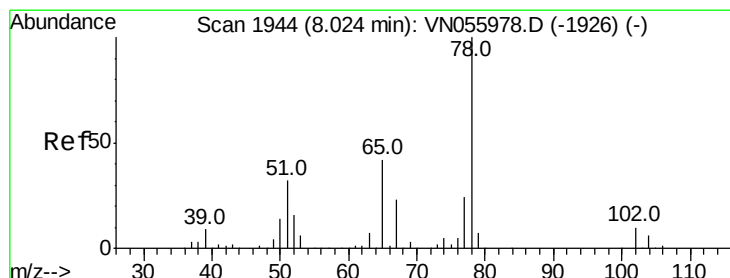
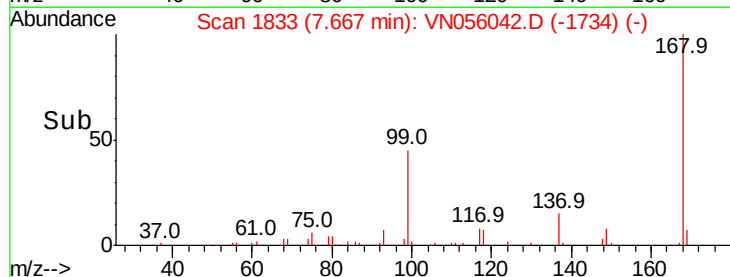
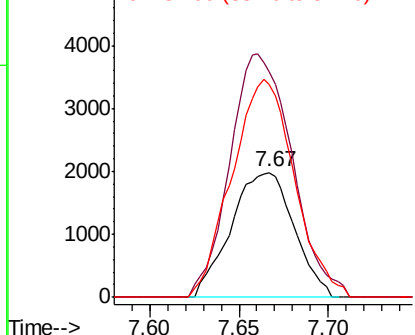
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN056042.D
Acq: 6 Jun 2019 13:40

Instrument :
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ClientSampleId :
LF014MW009-190603

Tot Ion: 56 Resp: 4885
Ion Ratio Lower Upper
56 100
69 181.0 25.6 38.4#
84 171.2 67.4 101.0#

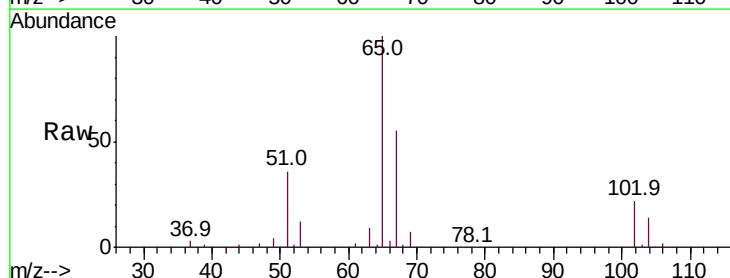


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

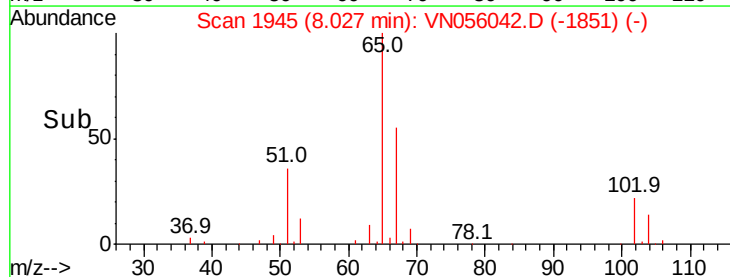
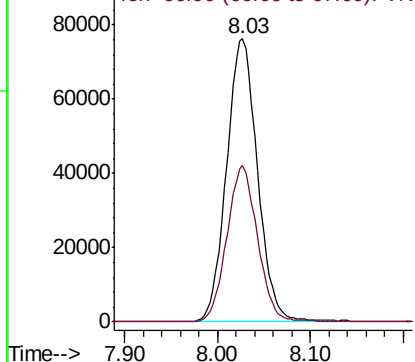


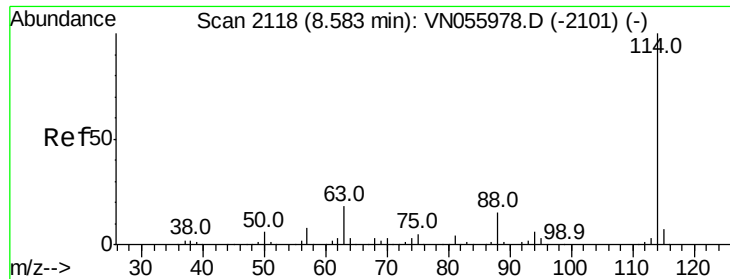
#33
1,2-Dichloroethane-d4
Concen: 52.342 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056042.D
Acq: 6 Jun 2019 13:40

Tgt Ion: 65 Resp: 176813
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.2



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

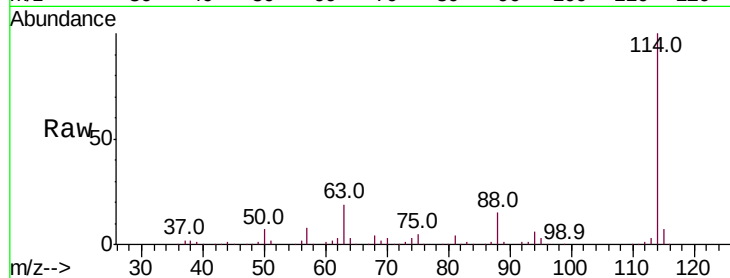




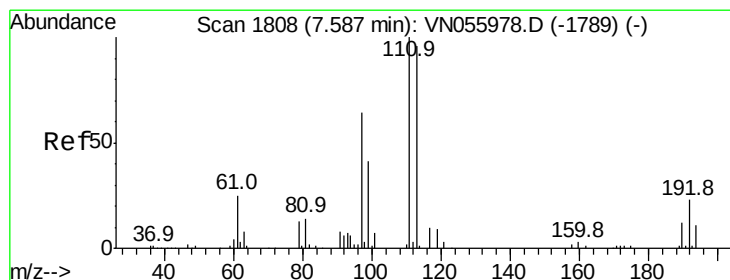
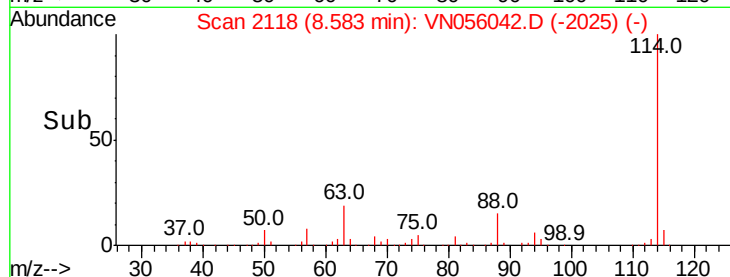
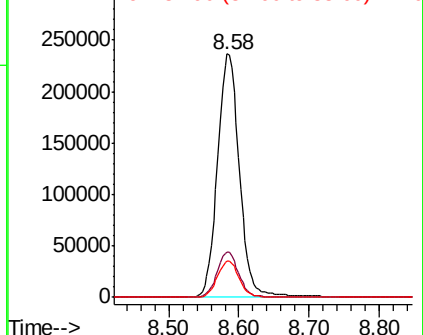
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056042.D
 Acq: 6 Jun 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014MW009-190603

Tot Ion:114 Resp: 514352
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.0 0.0 31.0

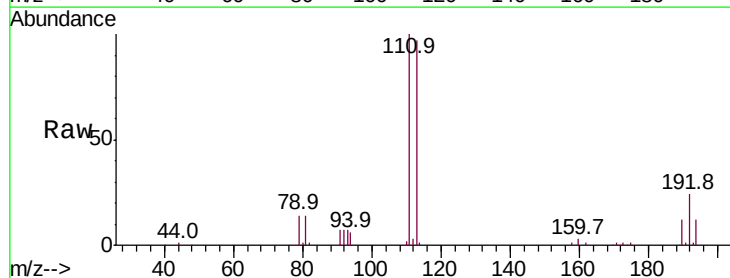


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

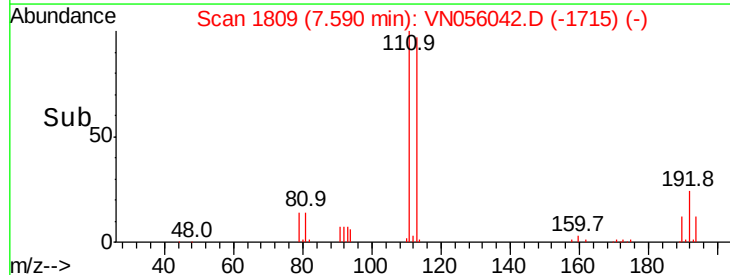
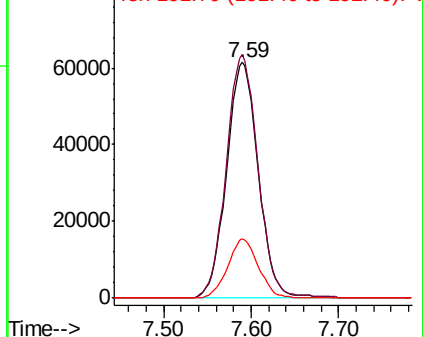


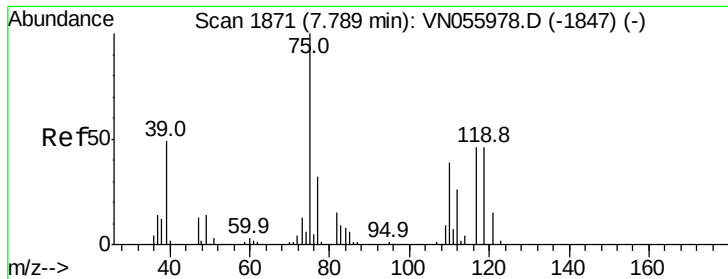
#35
 Dibromofluoromethane
 Concen: 49.072 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056042.D
 Acq: 6 Jun 2019 13:40

Tgt Ion:113 Resp: 154857
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.9 122.9
 192 24.1 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

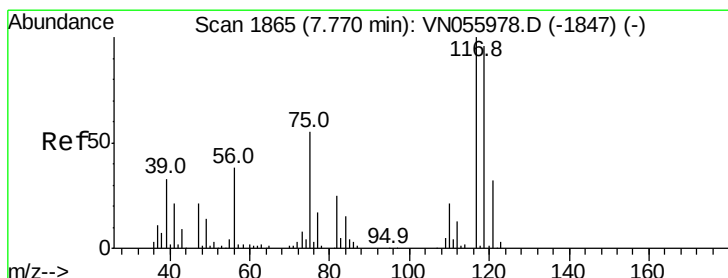
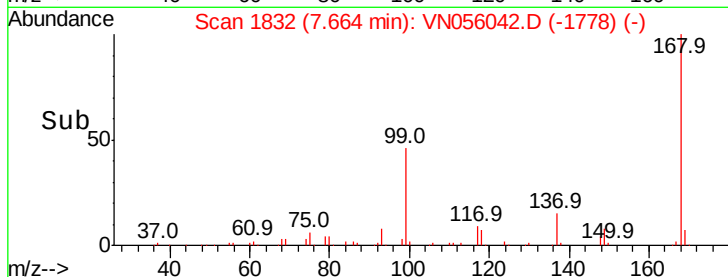
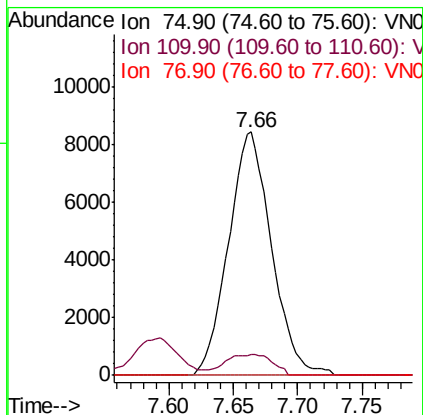
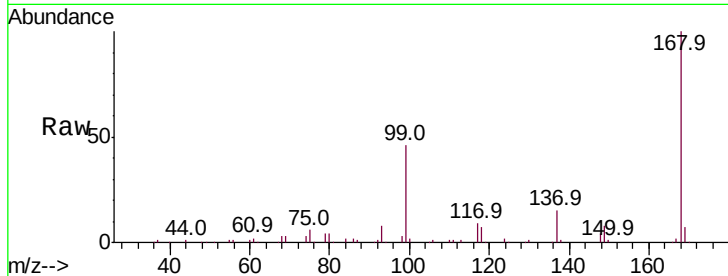




#36
 1,1-Dichloropropene
 Concen: 4.426 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056042.D
 Acq: 6 Jun 2019 13:40

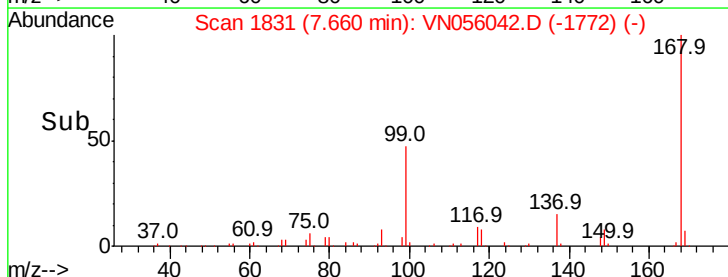
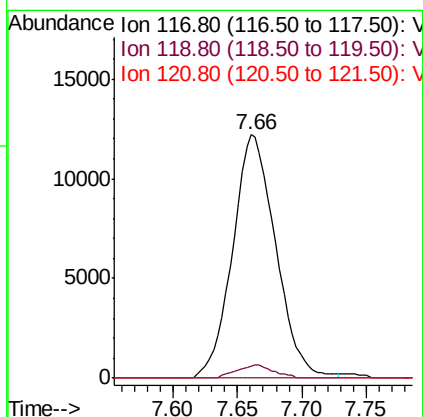
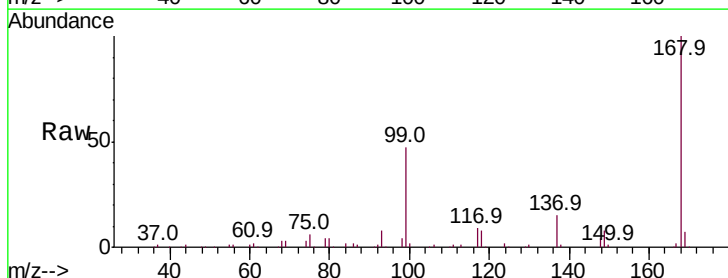
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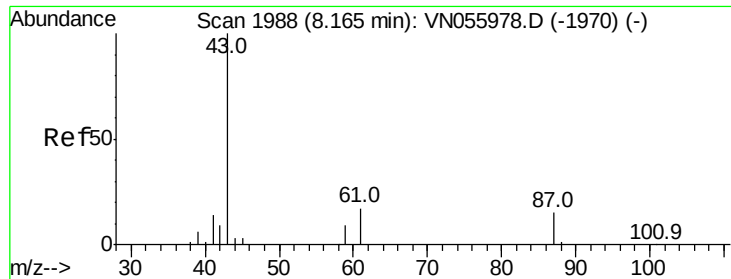
Tot Ion: 75 Resp: 19577
 Ion Ratio Lower Upper
 75 100
 110 2.5 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.961 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056042.D
 Acq: 6 Jun 2019 13:40

Tgt Ion: 117 Resp: 28383
 Ion Ratio Lower Upper
 117 100
 119 4.9 79.0 118.6#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.383 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

LF014MW009-190603

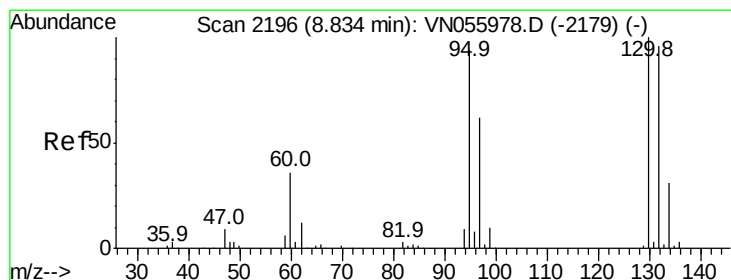
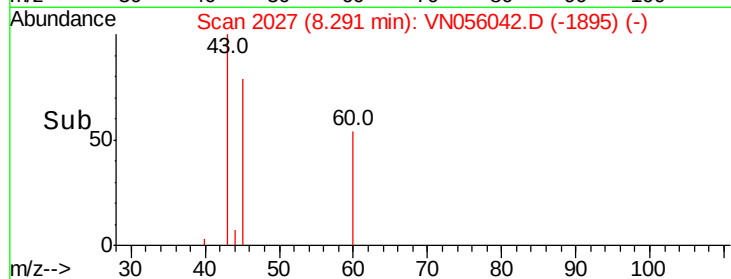
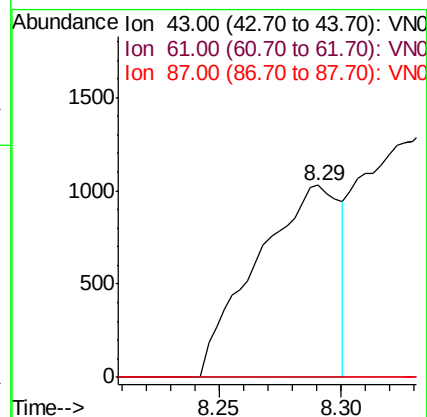
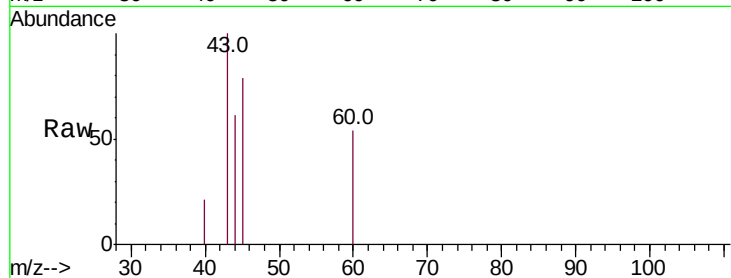
Tot Ion: 43 Resp: 2441

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



#44

Trichloroethene

Concen: 0.298 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056042.D

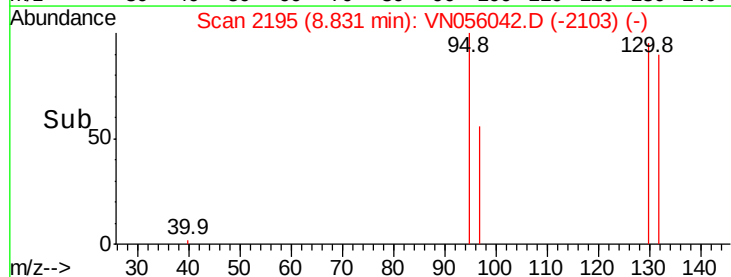
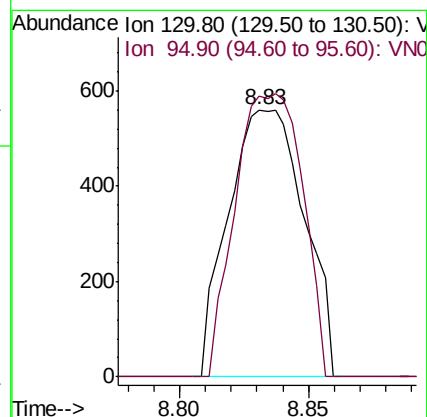
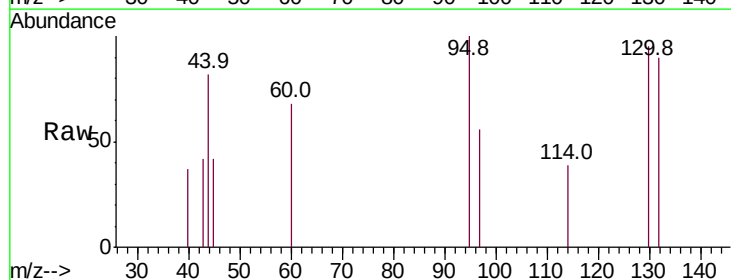
Acq: 6 Jun 2019 13:40

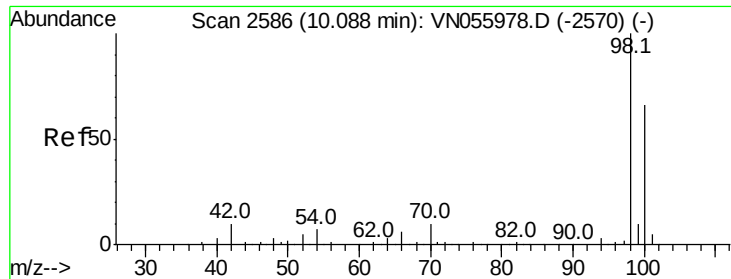
Tgt Ion:130 Resp: 1151

Ion Ratio Lower Upper

130 100

95 105.2 0.0 188.0





#50

Toluene-d8

Concen: 53.021 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

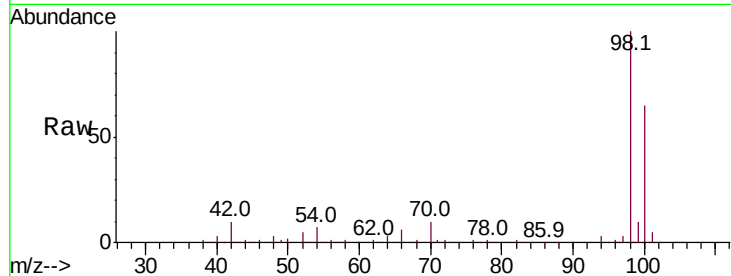
LF014MW009-190603

Tot Ion: 98 Resp: 643844

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

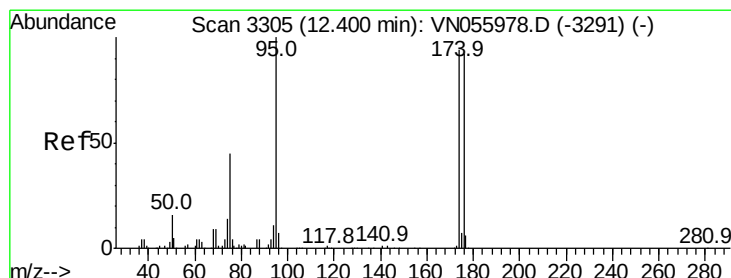
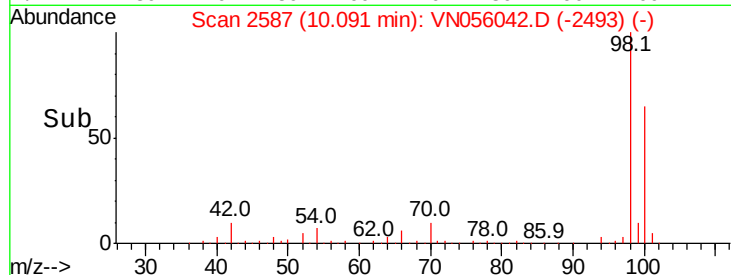
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.353 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

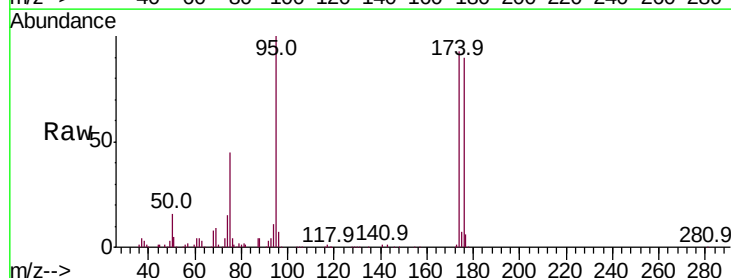
Tgt Ion: 95 Resp: 199681

Ion Ratio Lower Upper

95 100

174 94.1 0.0 191.0

176 90.7 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

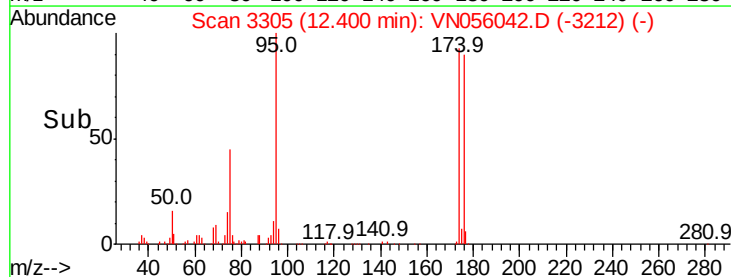
150000

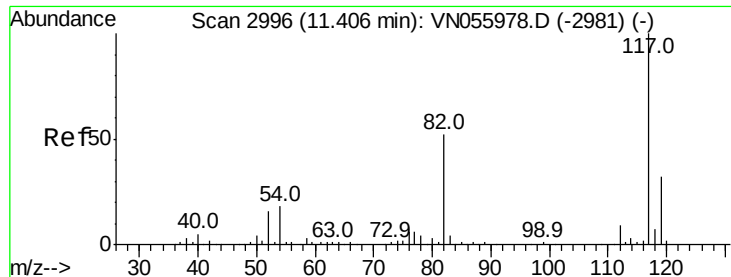
100000

50000

0

Time-->

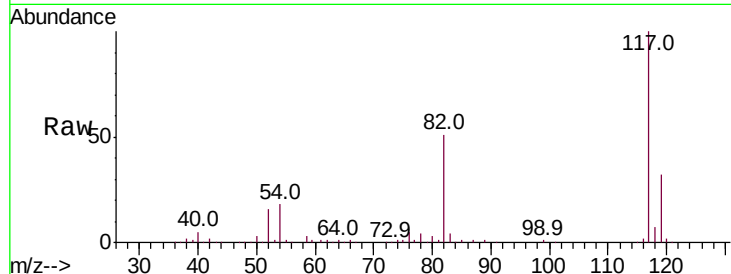




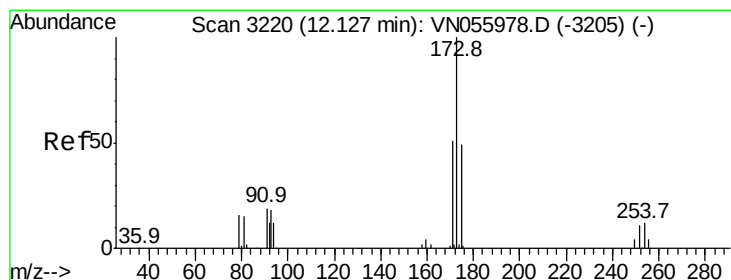
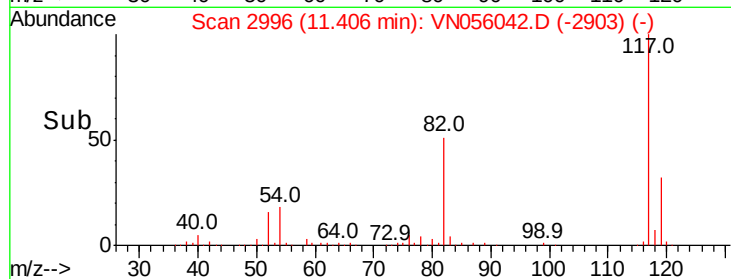
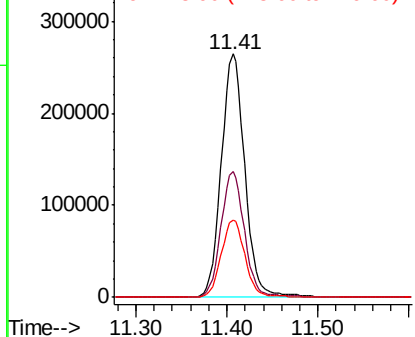
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056042.D
Acq: 6 Jun 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
LF014MW009-190603

Tot Ion:117 Resp: 475973
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 31.9 25.4 38.0

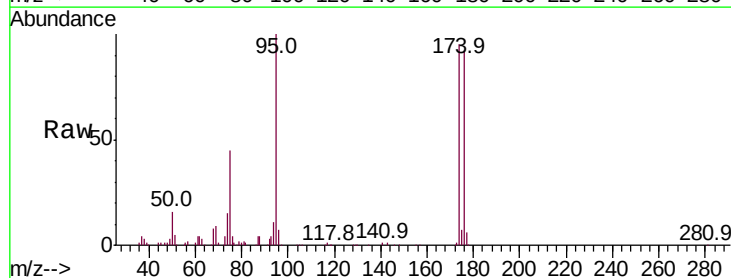


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

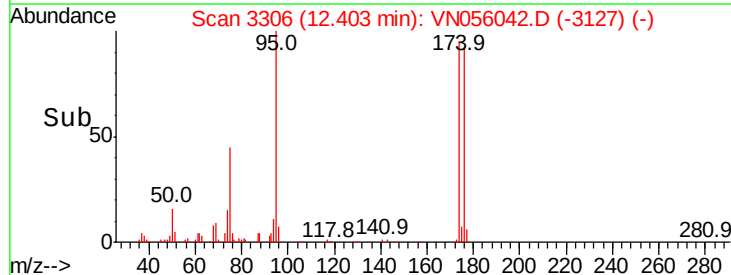
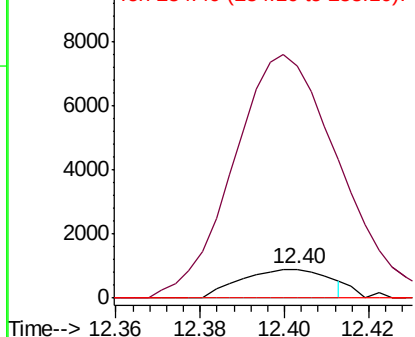


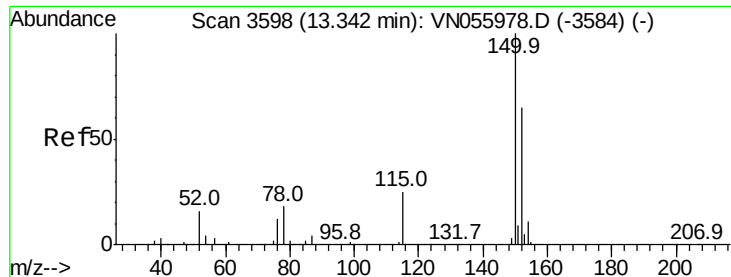
#71
Bromoform
Concen: 3.191 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056042.D
Acq: 6 Jun 2019 13:40

Tgt Ion:173 Resp: 1303
Ion Ratio Lower Upper
173 100
175 879.7 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: VN056042.D

Acq: 6 Jun 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

LF014MW009-190603

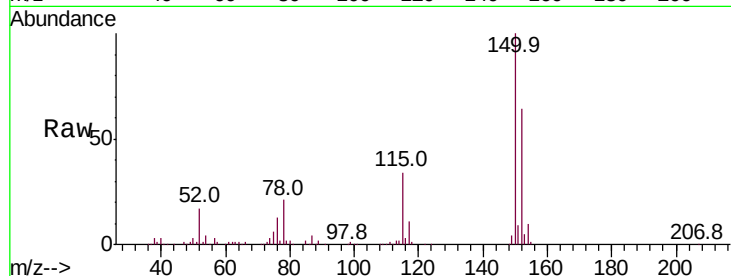
Tot Ion:152 Resp: 147221

Ion Ratio Lower Upper

152 100

115 53.7 27.0 81.0

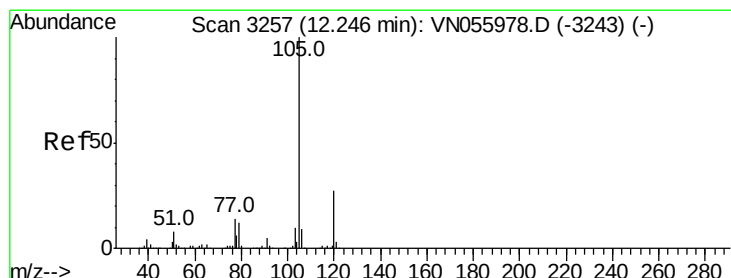
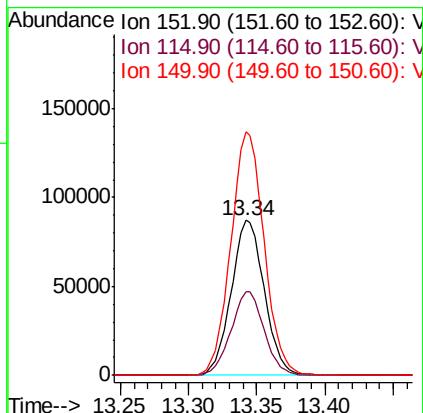
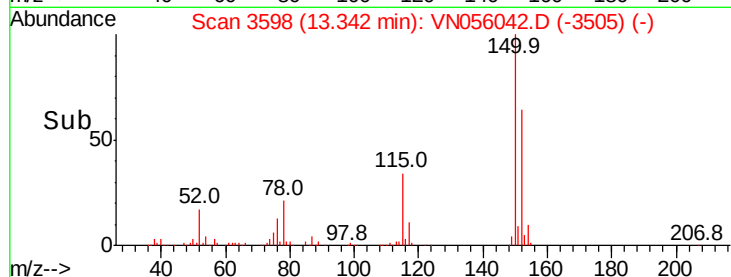
150 157.5 0.0 343.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. 0.15 min

Lab File: VN056042.D

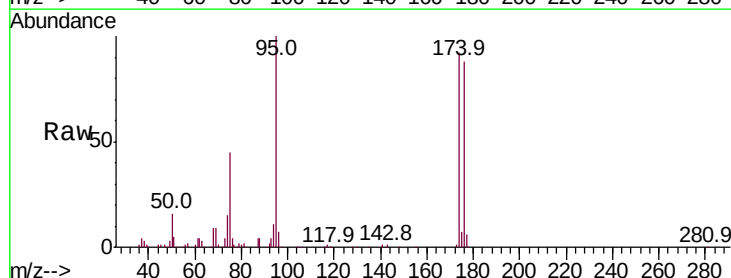
Acq: 6 Jun 2019 13:40

Tgt Ion:105 Resp: 93

Ion Ratio Lower Upper

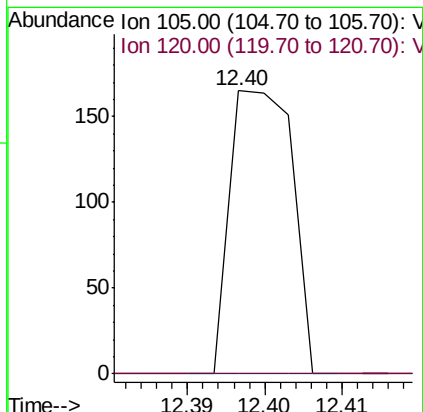
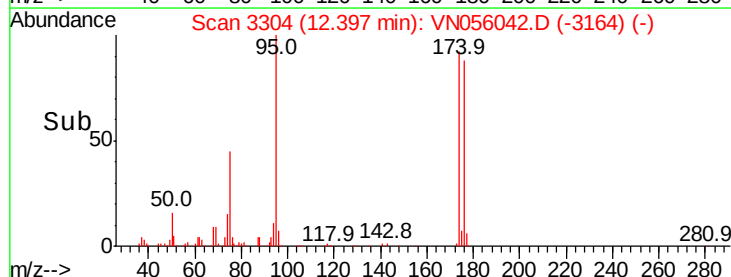
105 100

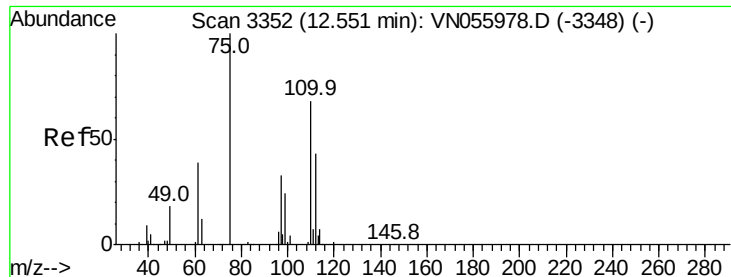
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 33.017 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

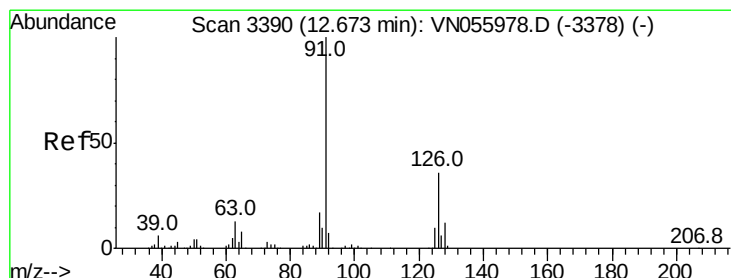
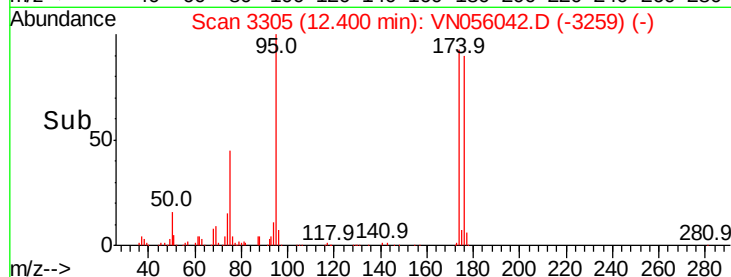
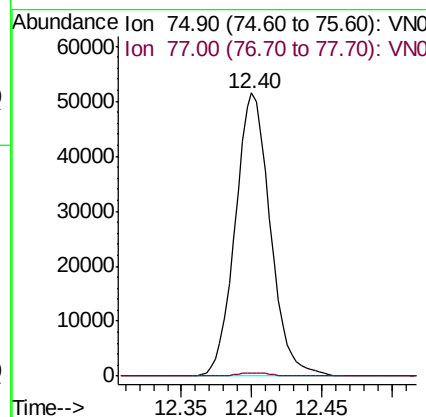
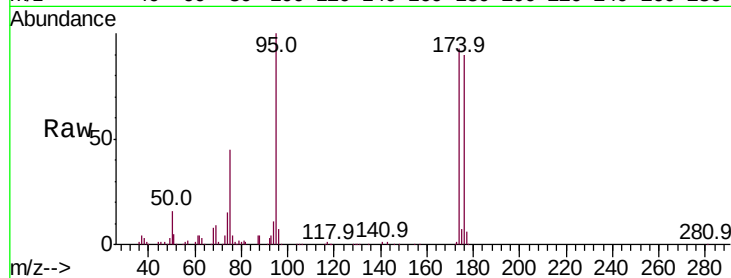
LF014MW009-190603

Tot Ion: 75 Resp: 89442

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056042.D

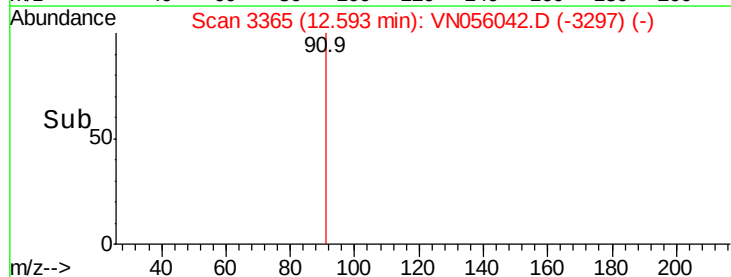
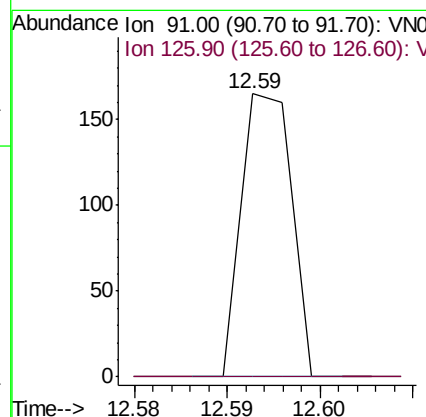
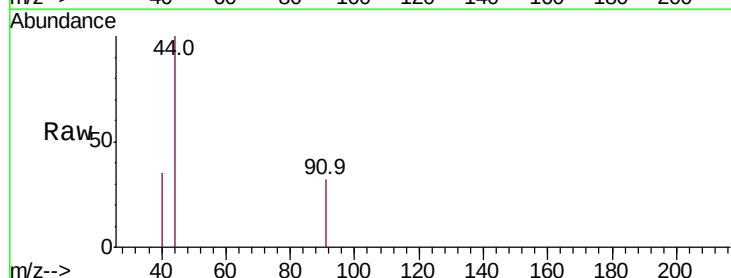
Acq: 6 Jun 2019 13:40

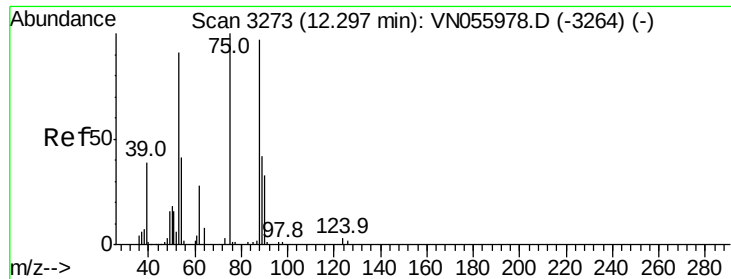
Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 109.954 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056042.D

Acq: 6 Jun 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

LF014MW009-190603

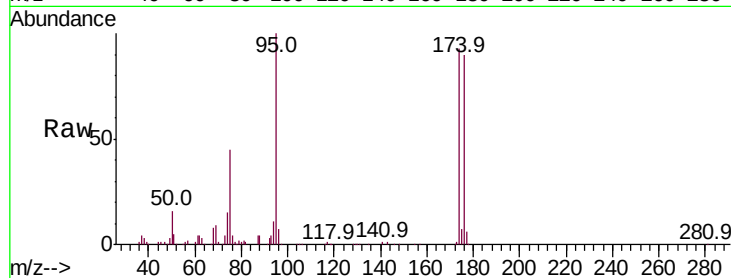
Tot Ion: 75 Resp: 89442

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

