

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056043.D
 Acq On : 6 Jun 2019 14:05
 Operator : JC/SP
 Sample : K3195-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014MW012-190603

Quant Time: Jun 06 17:54:38 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	338362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	510087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150805	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	183035	54.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.96%	
35) Dibromofluoromethane	7.59	113	160583	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	
50) Toluene-d8	10.09	98	656938	54.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.10%	
62) 4-Bromofluorobenzene	12.40	95	204079	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	

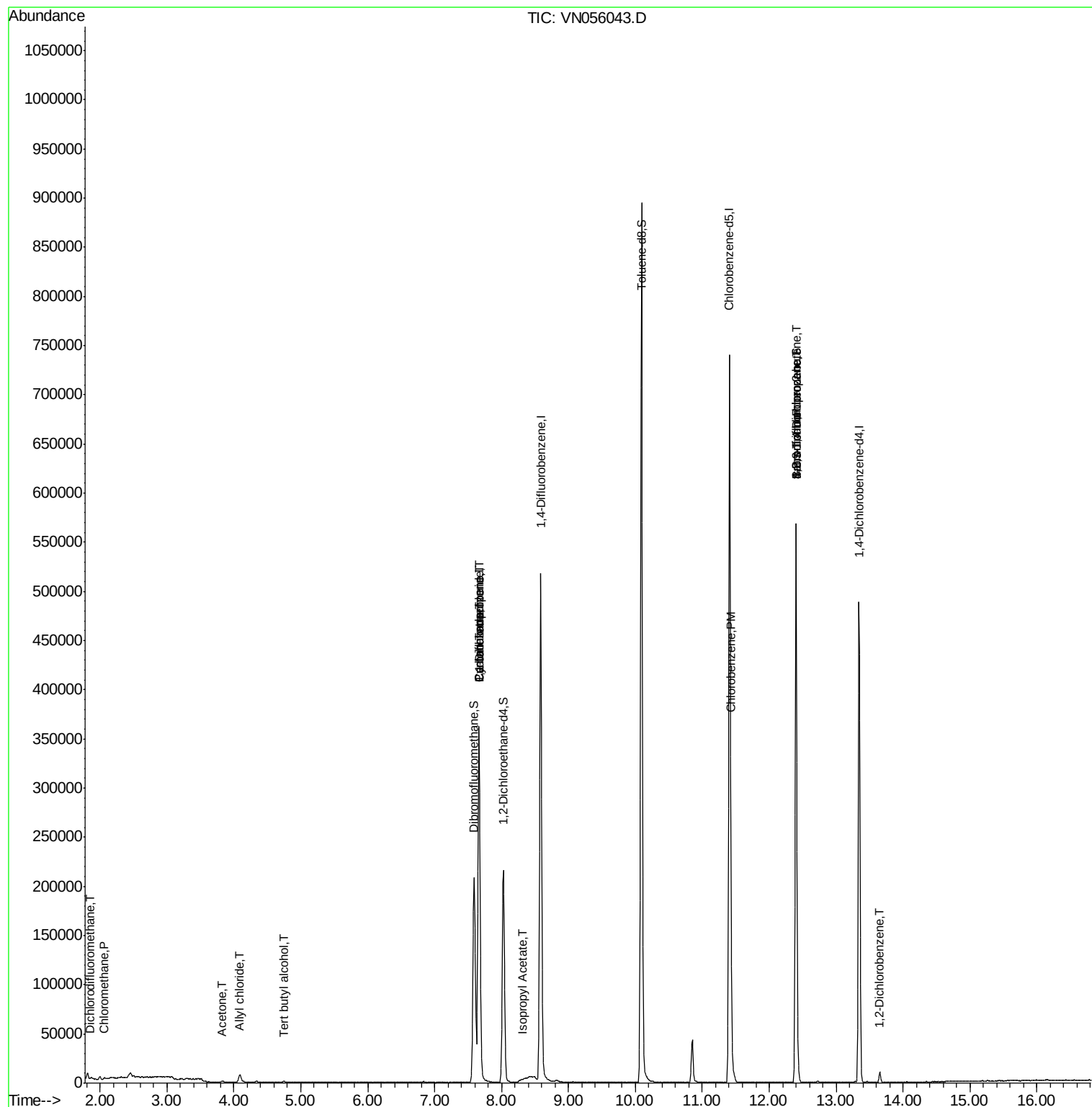
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	419	0.467	ug/l #	42
3) Chloromethane	2.06	50	1166	0.318	ug/l	94
11) Tert butyl alcohol	4.75	59	154	0.263	ug/l #	74
14) Allyl chloride	4.09	41	1167	0.260	ug/l #	69
16) Acetone	3.82	43	2287	1.423	ug/l	91
31) Cyclohexane	7.66	56	4865	0.913	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19287	4.397	ug/l #	44
38) Carbon Tetrachloride	7.66	117	28220	6.979	ug/l #	15
43) Isopropyl Acetate	8.30	43	3419	0.541	ug/l #	53
65) Chlorobenzene	11.43	112	41565	4.368	ug/l	98
71) Bromoform	12.40	173	1500	3.256	ug/l #	1
73) Isopropylbenzene	12.40	105	104	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	92998	33.514	ug/l #	100
79) 2-Chlorotoluene	12.68	91	30	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	92998	111.609	ug/l #	15
91) 1,2-Dichlorobenzene	13.65	146	5898	1.169	ug/l	97

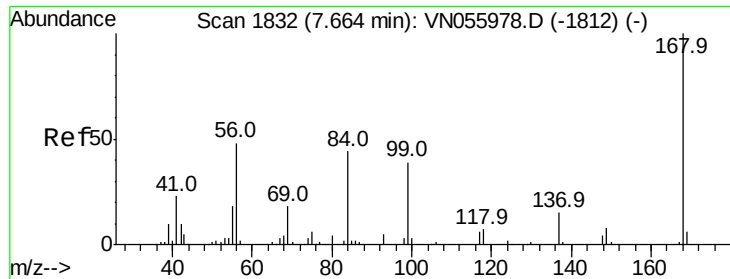
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056043.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

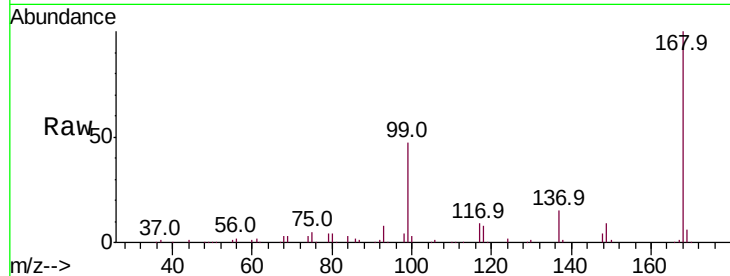
LF014MW012-190603

Tot Ion:168 Resp: 338362

Ion Ratio Lower Upper

168 100

99 46.7 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

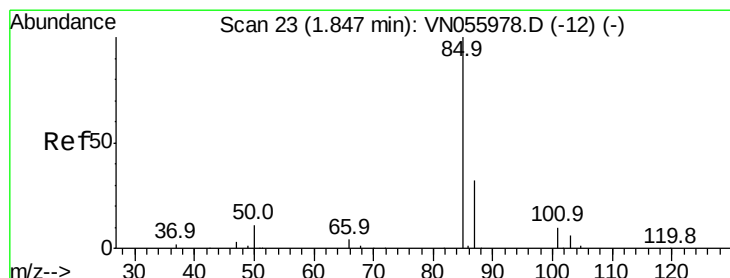
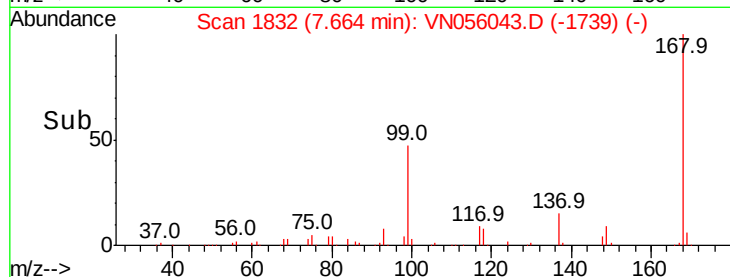
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.467 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056043.D

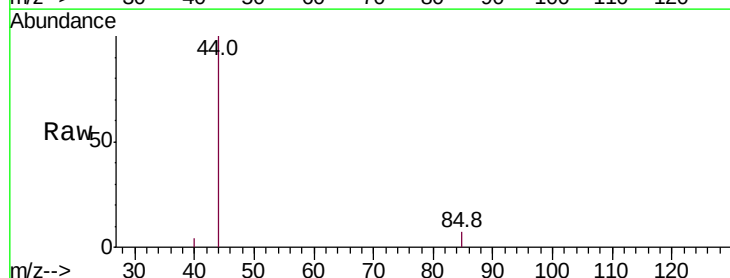
Acq: 6 Jun 2019 14:05

Tgt Ion: 85 Resp: 419

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

300

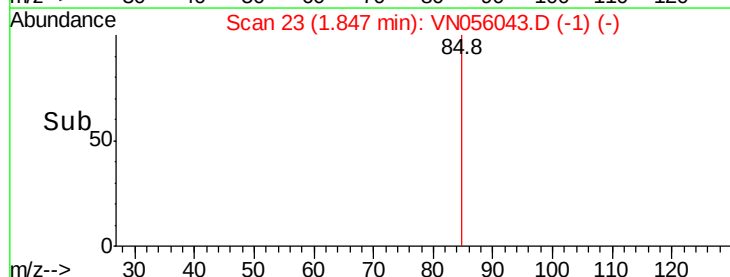
200

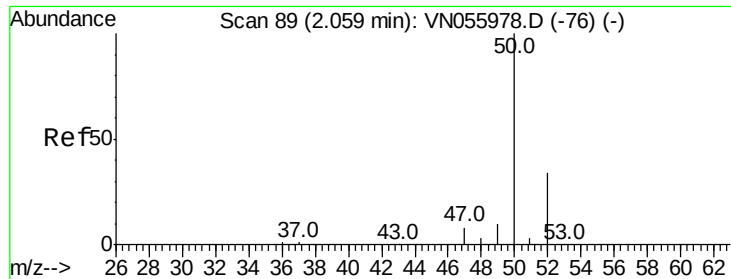
100

0

1.82 1.84 1.86 1.88

Time-->





#3

Chloromethane

Concen: 0.318 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056043.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

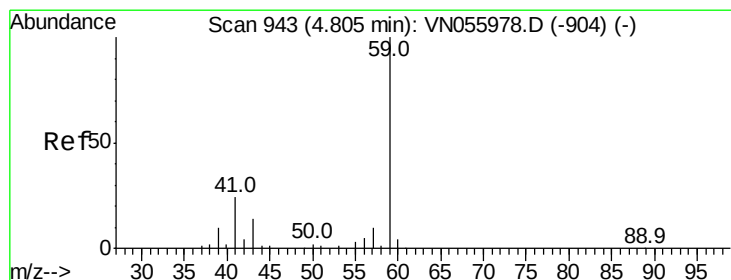
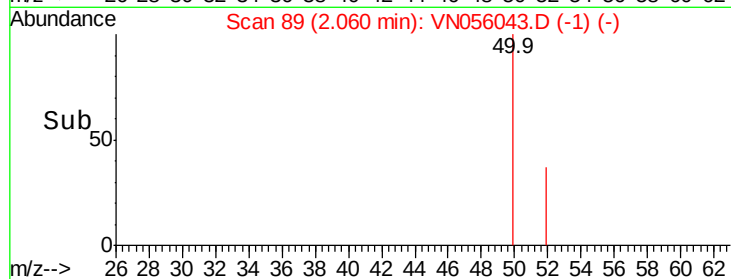
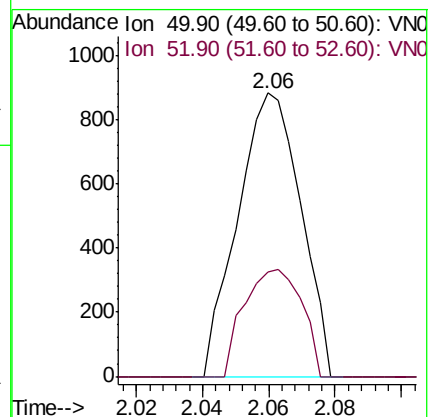
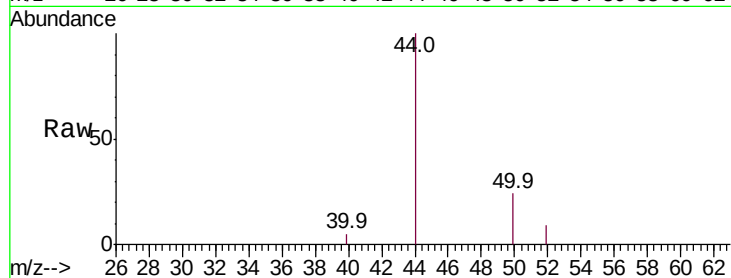
LF014MW012-190603

Tot Ion: 50 Resp: 1166

Ion Ratio Lower Upper

50 100

52 36.8 26.6 40.0



#11

Tert butyl alcohol

Concen: 0.263 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.05 min

Lab File: VN056043.D

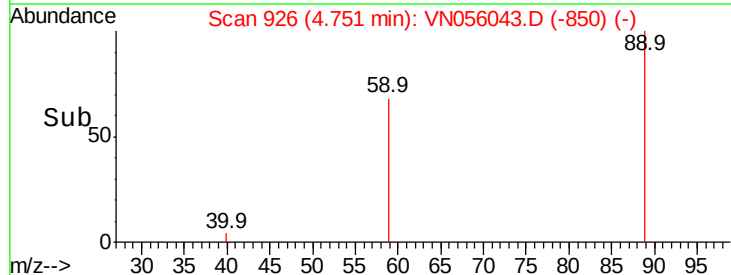
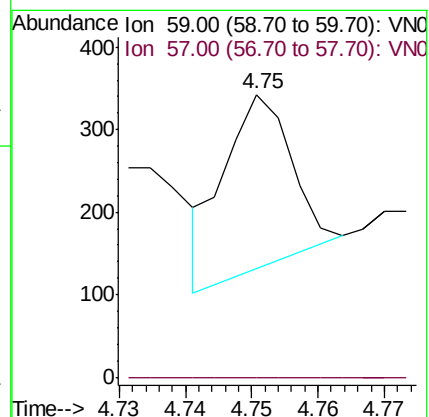
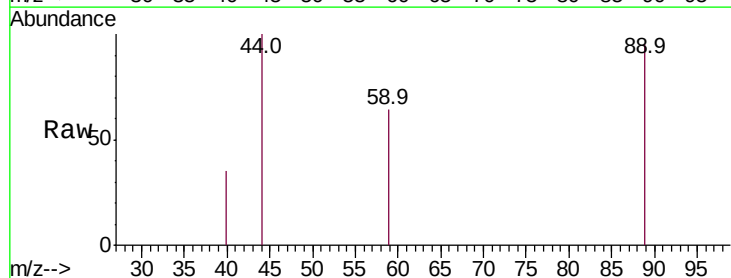
Acq: 6 Jun 2019 14:05

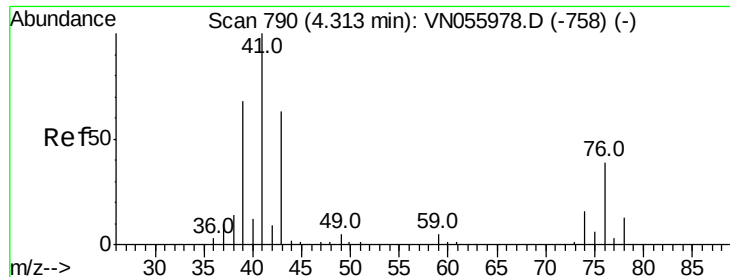
Tgt Ion: 59 Resp: 154

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

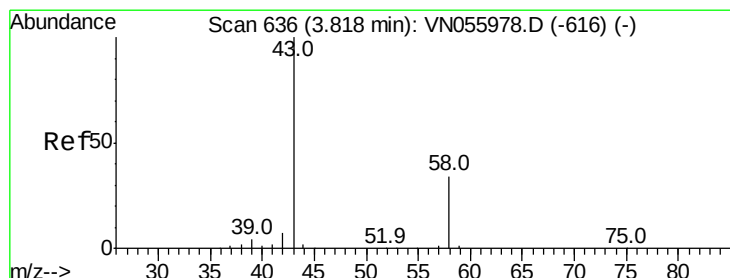
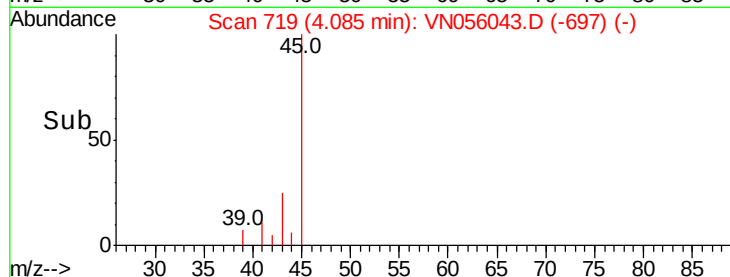
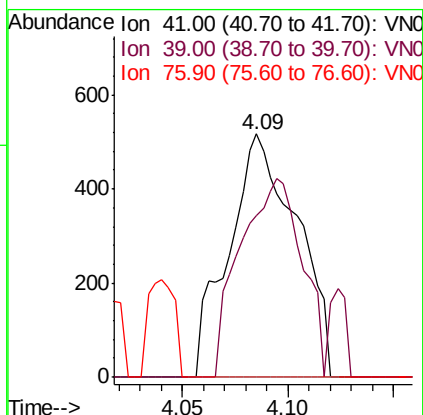
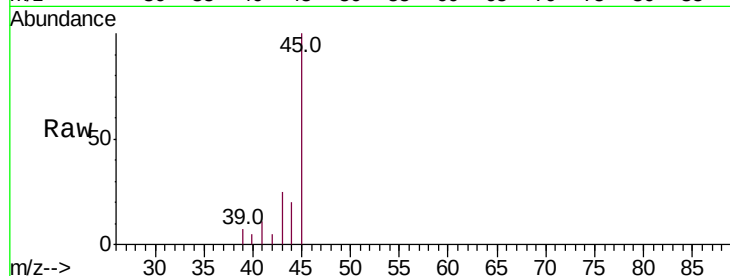




#14
Allvl chloride
Concen: 0.260 ug/l
RT: 4.09 min Scan# 719
Delta R.T. -0.23 min
Lab File: VN056043.D
Acq: 6 Jun 2019 14:05

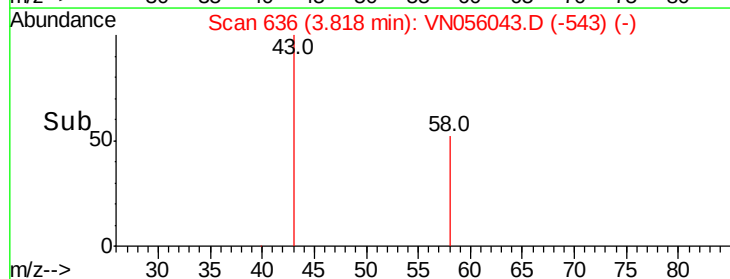
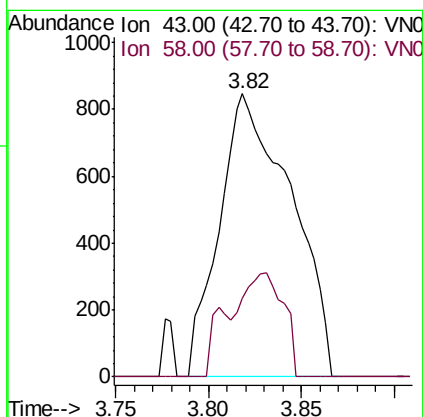
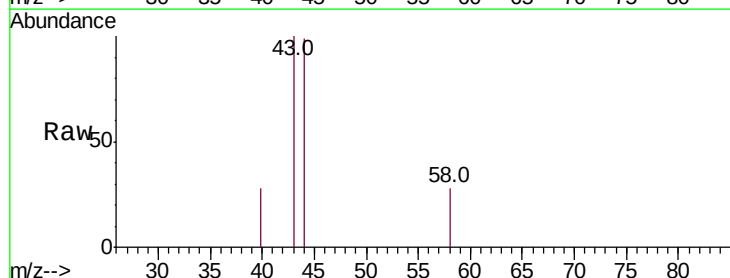
Instrument :
MSVOA_N
ClientSampleId :
LF014MW012-190603

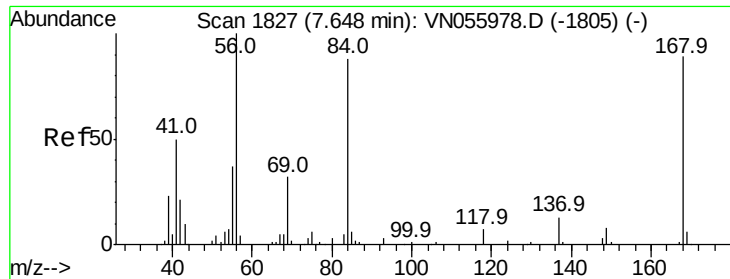
Tot Ion: 41 Resp: 1167
Ion Ratio Lower Upper
41 100
39 73.7 50.0 75.0
76 0.0 28.2 42.2#



#16
Acetone
Concen: 1.423 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN056043.D
Acq: 6 Jun 2019 14:05

Tgt Ion: 43 Resp: 2287
Ion Ratio Lower Upper
43 100
58 28.0 26.6 39.8

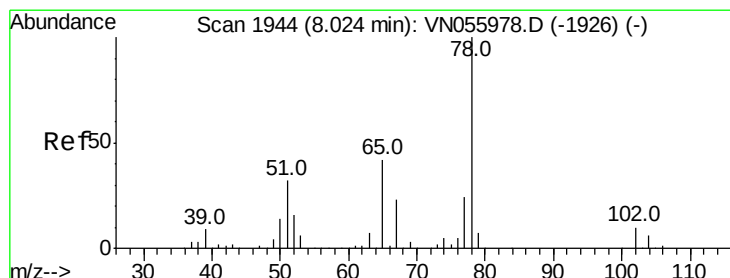
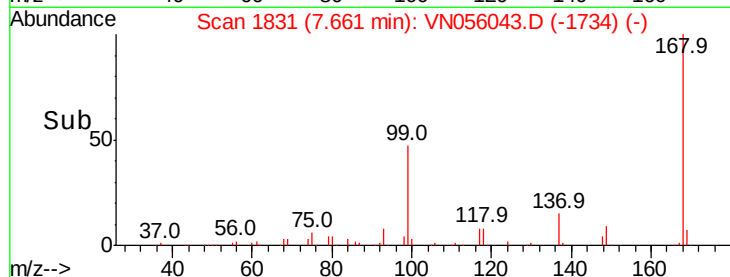
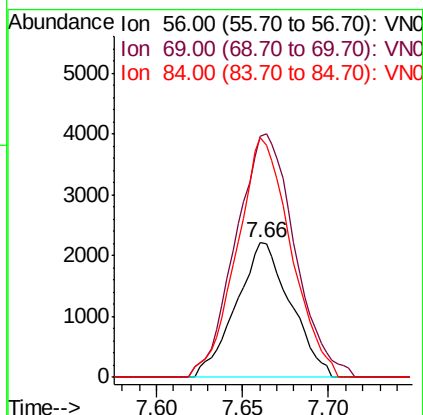
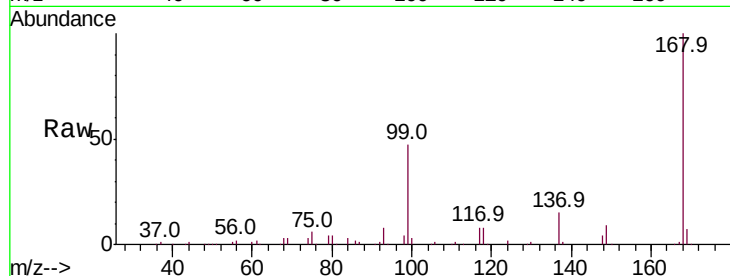




#31
Cyclohexane
Concen: 0.913 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056043.D
Acq: 6 Jun 2019 14:05

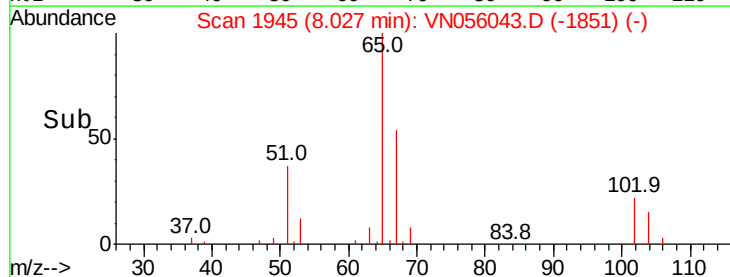
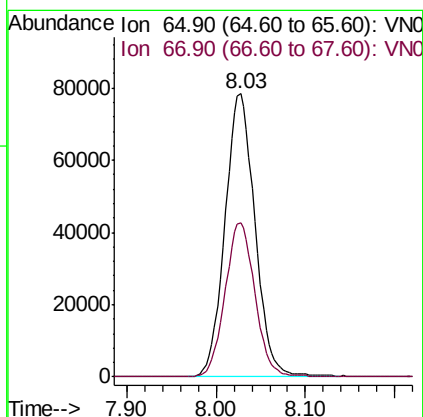
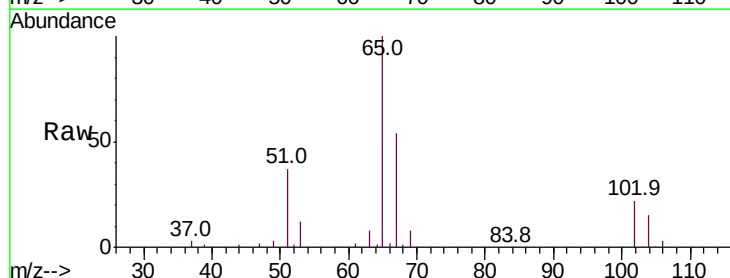
Instrument :
MSVOA_N
ClientSampleId :
LF014MW012-190603

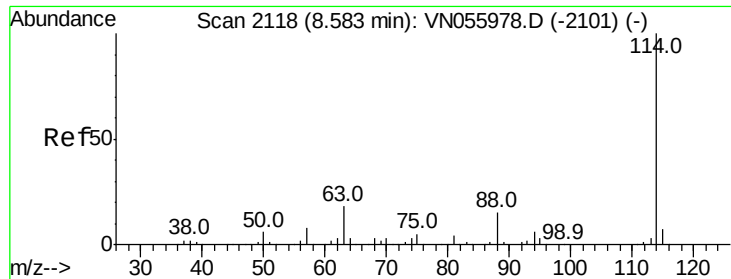
Tot Ion: 56 Resp: 4865
Ion Ratio Lower Upper
56 100
69 179.5 25.6 38.4#
84 178.8 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 54.480 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056043.D
Acq: 6 Jun 2019 14:05

Tgt Ion: 65 Resp: 183035
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.2

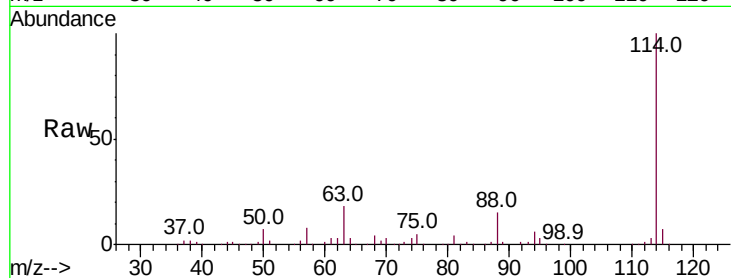




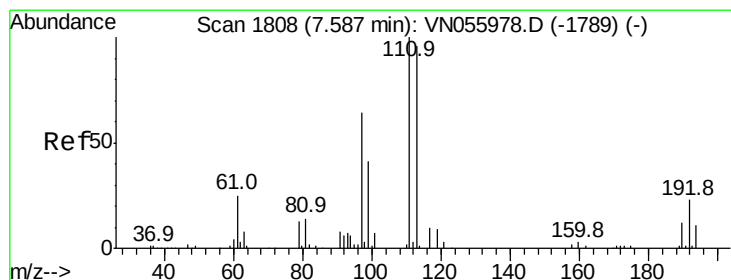
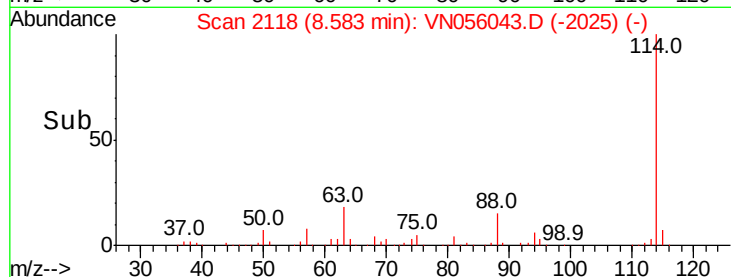
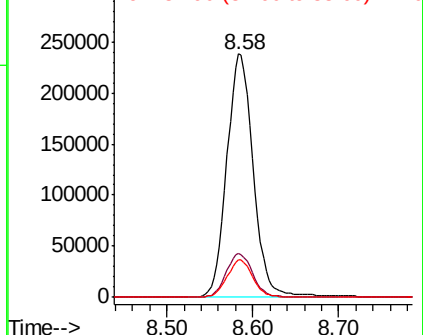
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056043.D
 Acq: 6 Jun 2019 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 LF014MW012-190603

Tot Ion:114 Resp: 510087
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.2
 88 15.2 0.0 31.0

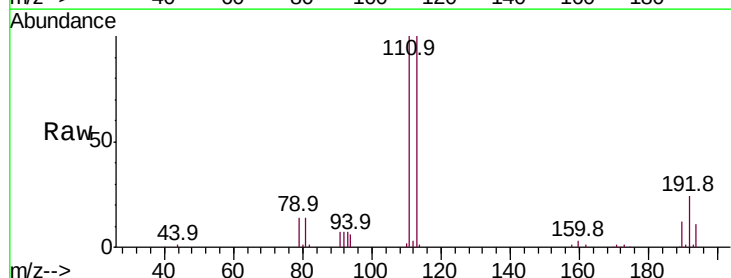


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

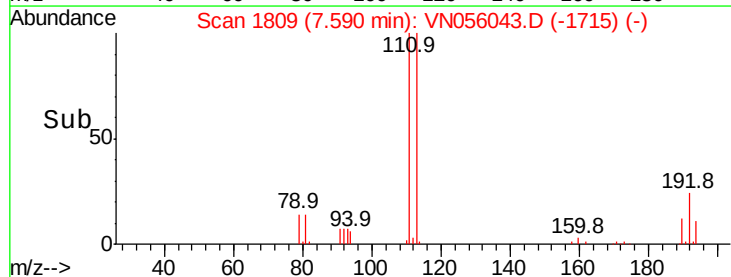
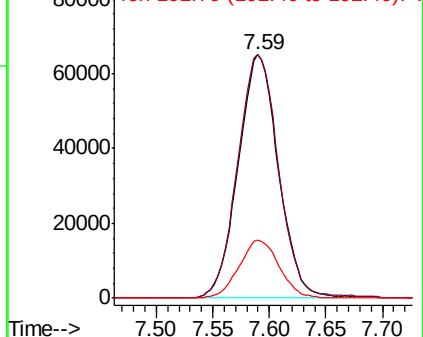


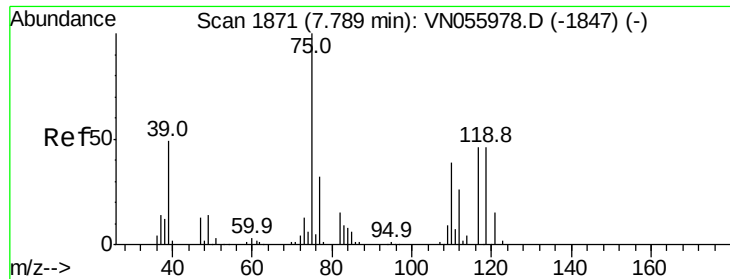
#35
 Dibromofluoromethane
 Concen: 51.312 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056043.D
 Acq: 6 Jun 2019 14:05

Tgt Ion:113 Resp: 160583
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 23.8 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

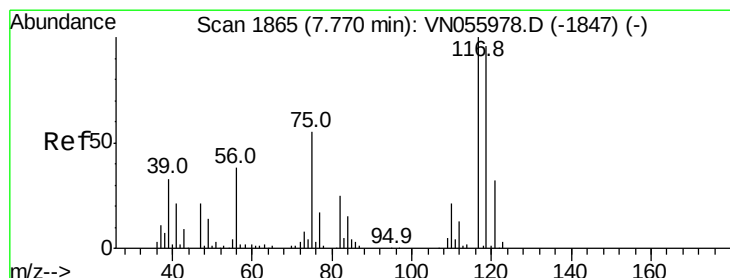
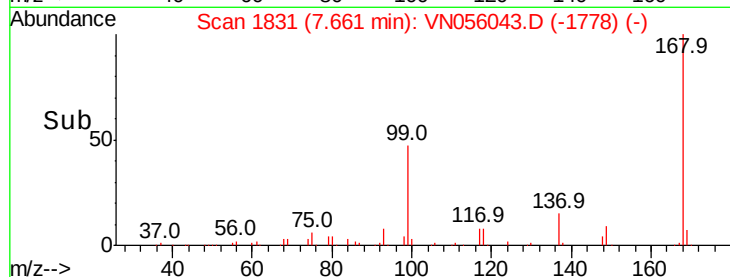
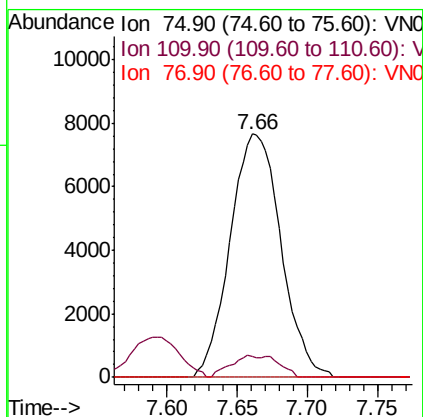
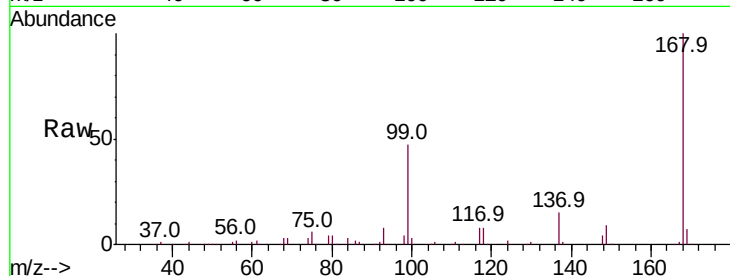




#36
 1,1-Dichloropropene
 Concen: 4.397 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056043.D
 Acq: 6 Jun 2019 14:05

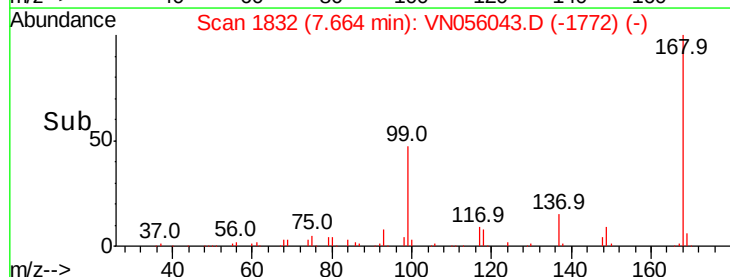
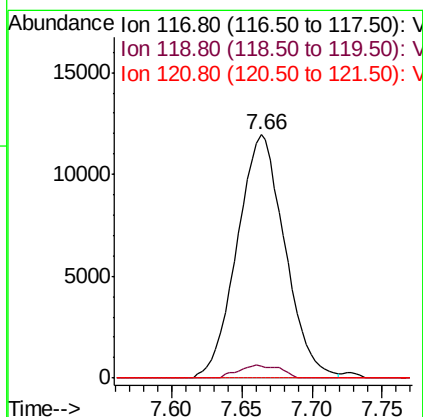
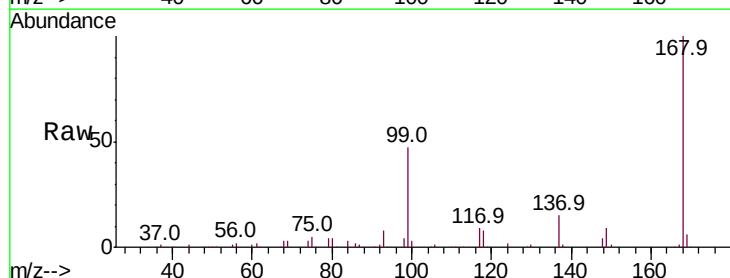
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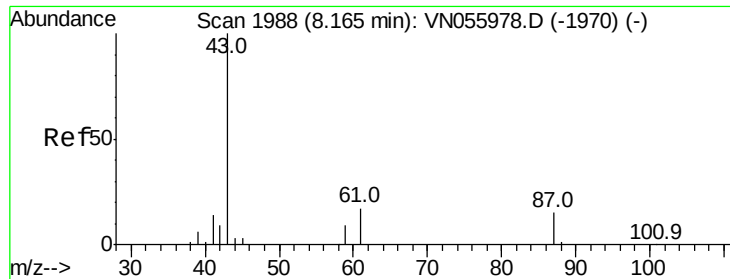
Tot Ion	75	Resp	19287
Ion Ratio	Lower	Upper	
75	100		
110	4.7	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.979 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056043.D
 Acq: 6 Jun 2019 14:05

Tgt Ion	117	Resp	28220
Ion Ratio	Lower	Upper	
117	100		
119	5.0	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.541 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN056043.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

LF014MW012-190603

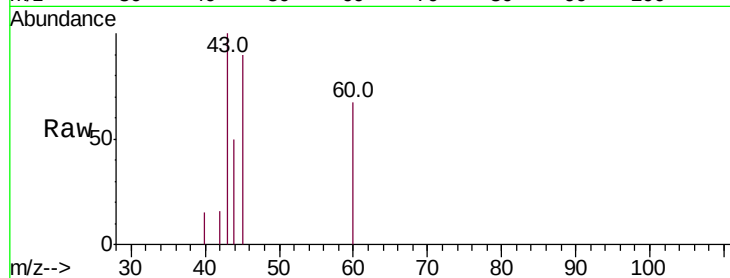
Tot Ion: 43 Resp: 3419

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

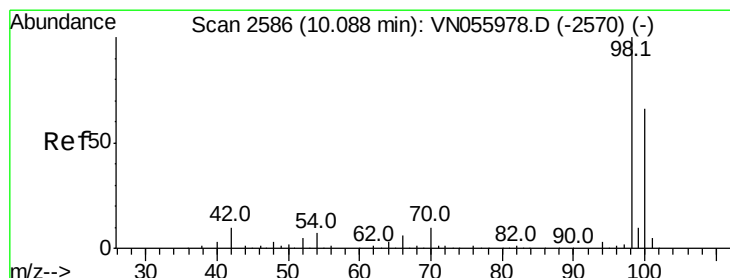
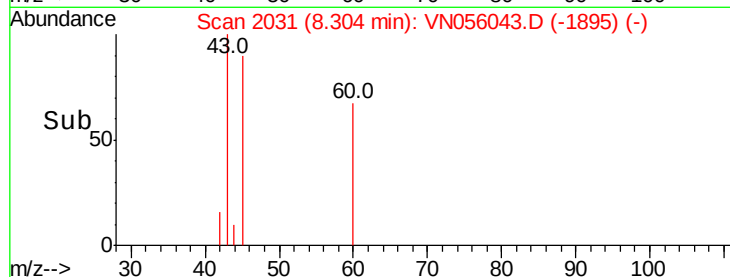
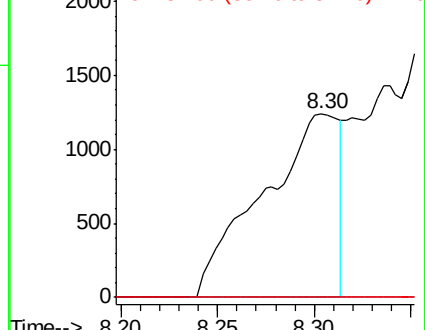
87 0.0 11.4 17.2#



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: 54.551 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056043.D

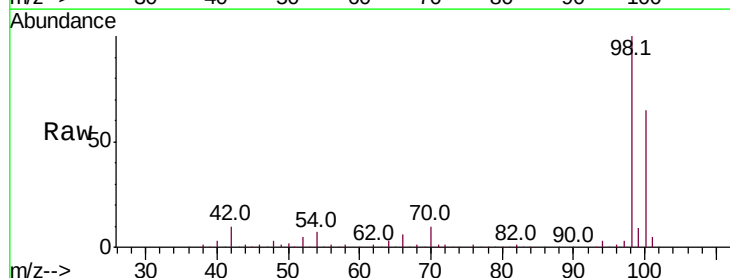
Acq: 6 Jun 2019 14:05

Tgt Ion: 98 Resp: 656938

Ion Ratio Lower Upper

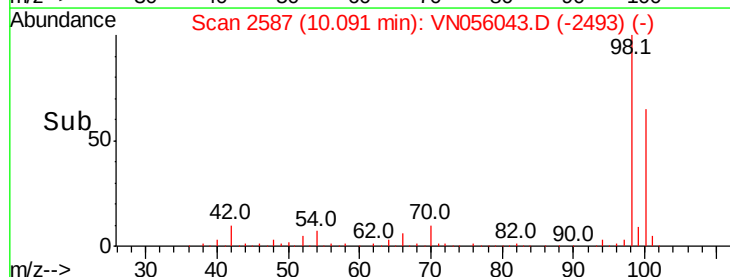
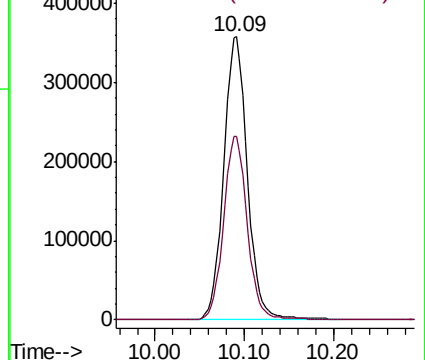
98 100

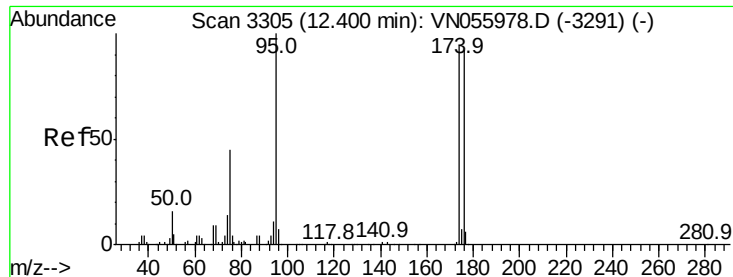
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

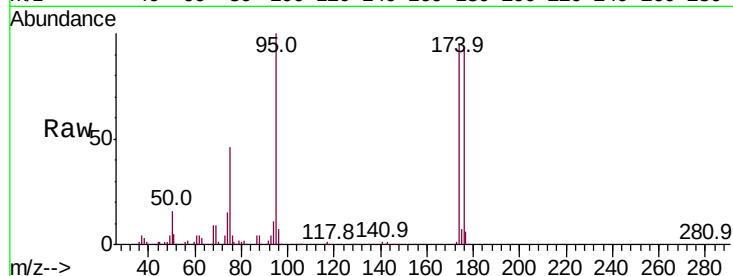




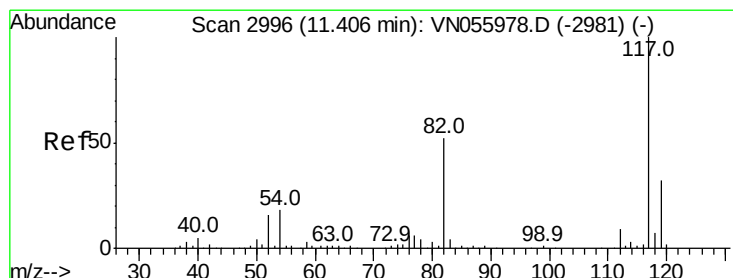
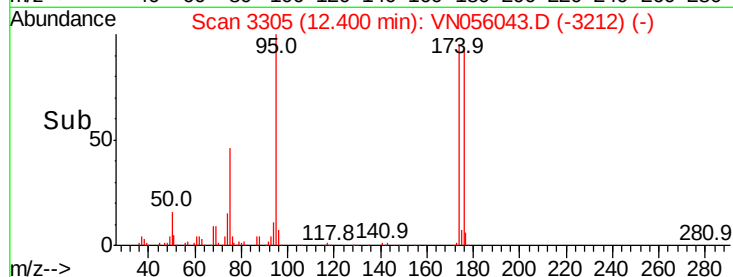
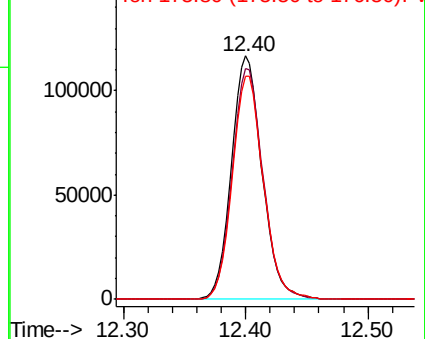
#62
4-Bromofluorobenzene
Concen: 49.832 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056043.D
Acq: 6 Jun 2019 14:05

Instrument :
MSVOA_N
ClientSampleId :
LF014MW012-190603

Tot Ion: 95 Resp: 204079
Ion Ratio Lower Upper
95 100
174 95.5 0.0 191.0
176 92.9 0.0 185.2

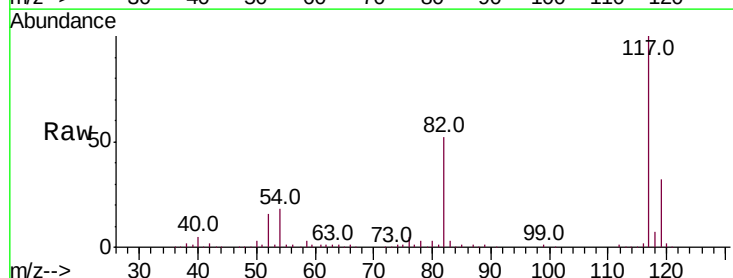


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): VN0
Ion 175.80 (175.50 to 176.50): VN0

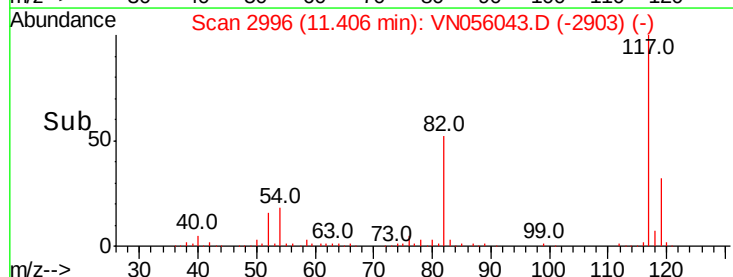
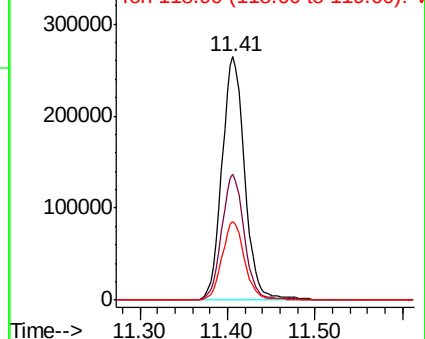


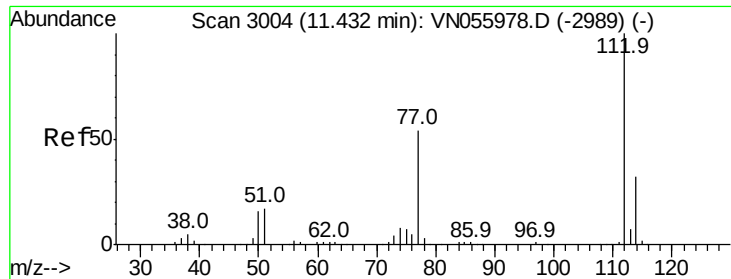
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056043.D
Acq: 6 Jun 2019 14:05

Tgt Ion: 117 Resp: 478096
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN0
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): VN0

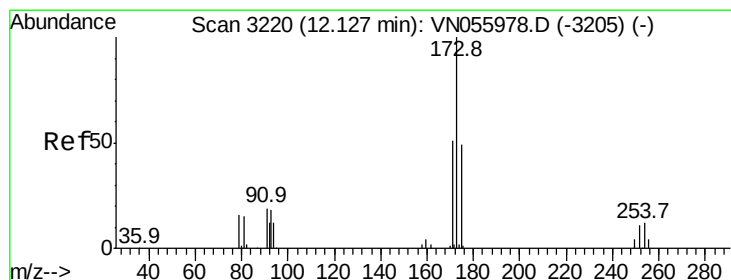
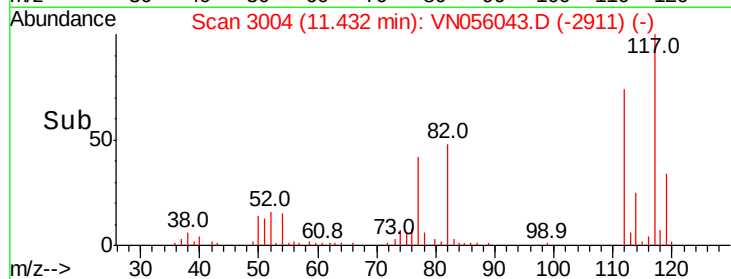
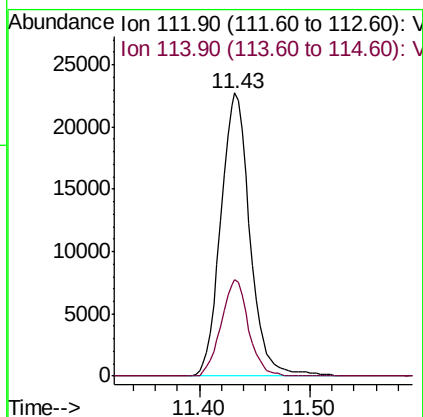
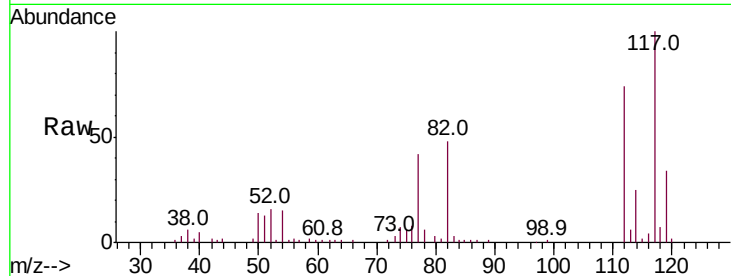




#65
Chlorobenzene
Concen: 4.368 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056043.D
Acq: 6 Jun 2019 14:05

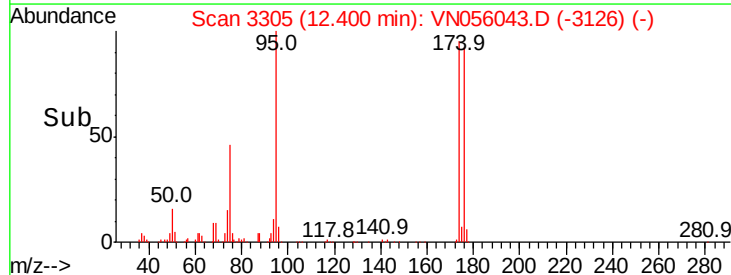
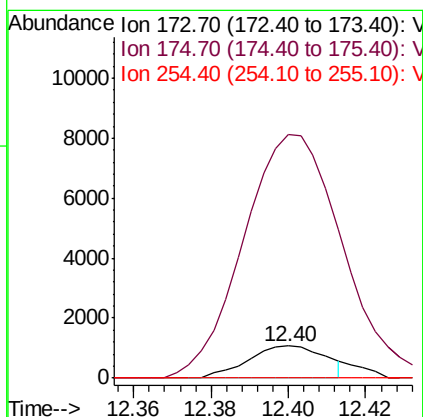
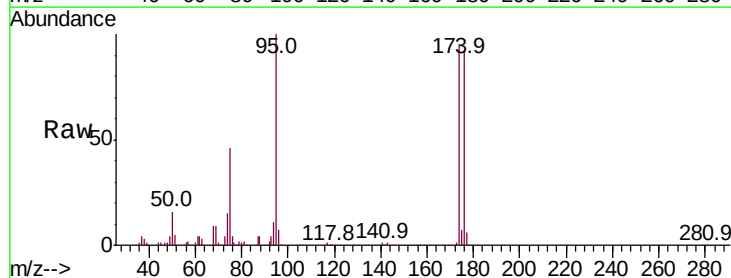
Instrument :
MSVOA_N
ClientSampleId :
LF014MW012-190603

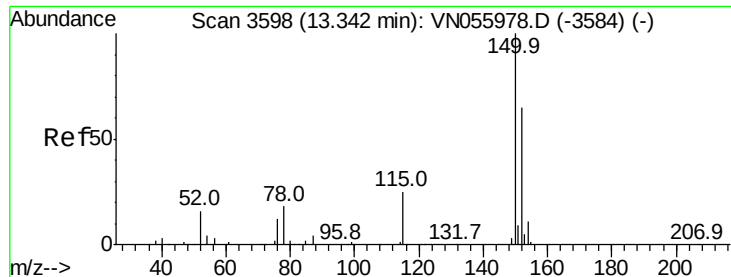
Tot Ion:112 Resp: 41565
Ion Ratio Lower Upper
112 100
114 34.0 26.2 39.4



#71
Bromoform
Concen: 3.256 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056043.D
Acq: 6 Jun 2019 14:05

Tgt Ion:173 Resp: 1500
Ion Ratio Lower Upper
173 100
175 833.4 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: VN056043.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

LF014MW012-190603

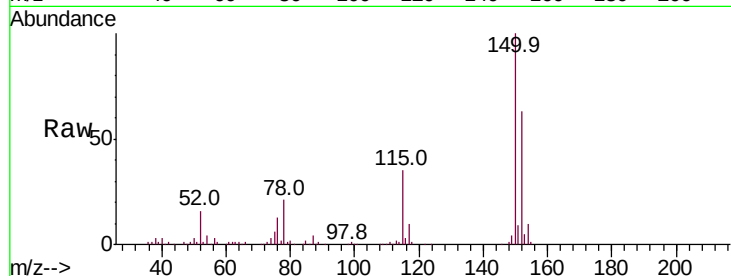
Tot Ion:152 Resp: 150805

Ion Ratio Lower Upper

152 100

115 54.2 27.0 81.0

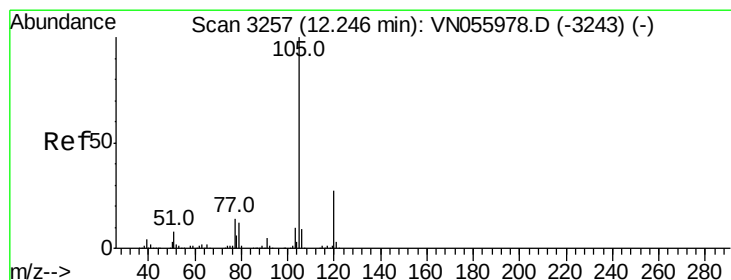
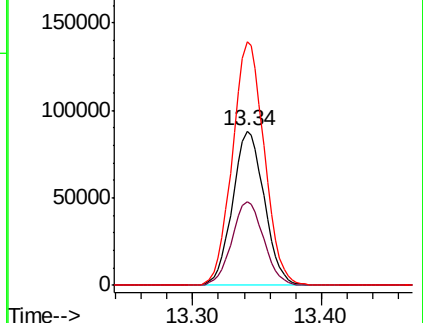
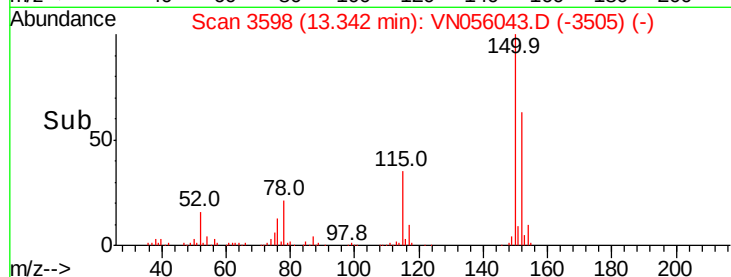
150 158.8 0.0 343.2



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: VN056043.D

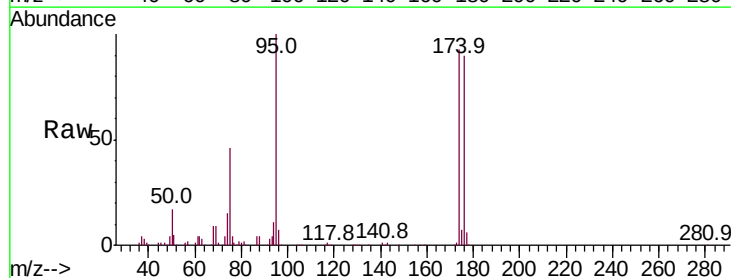
Acq: 6 Jun 2019 14:05

Tgt Ion:105 Resp: 104

Ion Ratio Lower Upper

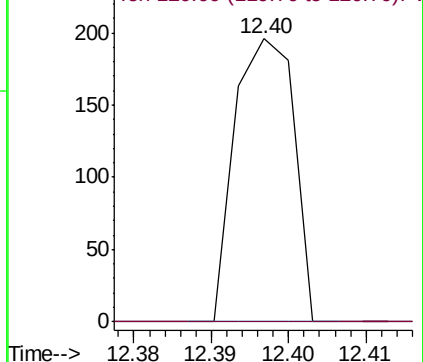
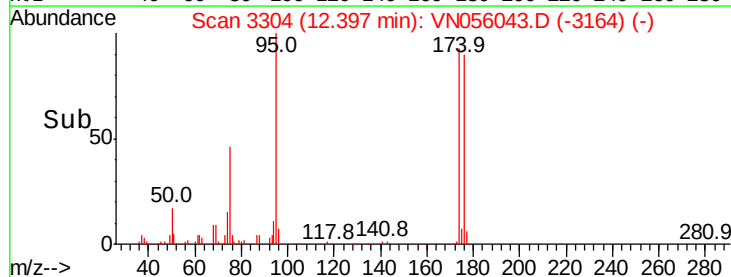
105 100

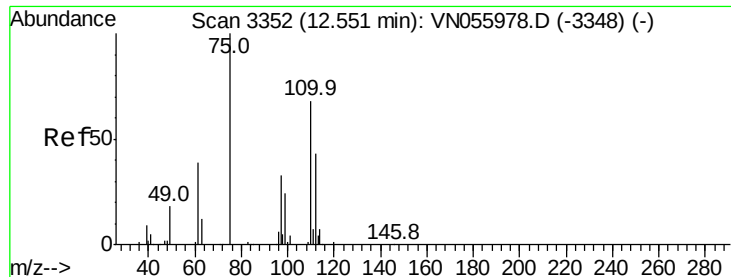
120 0.0 13.6 40.7#



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: 33.514 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056043.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

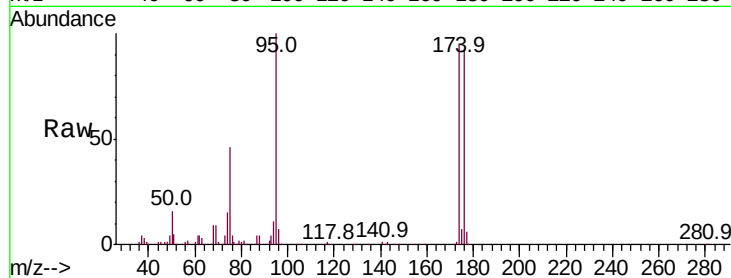
LF014MW012-190603

Tot Ion: 75 Resp: 92998

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

60000

50000

40000

30000

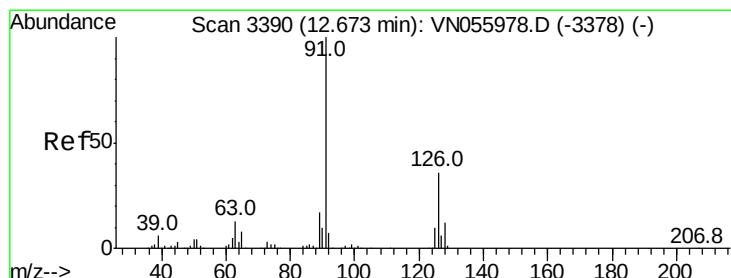
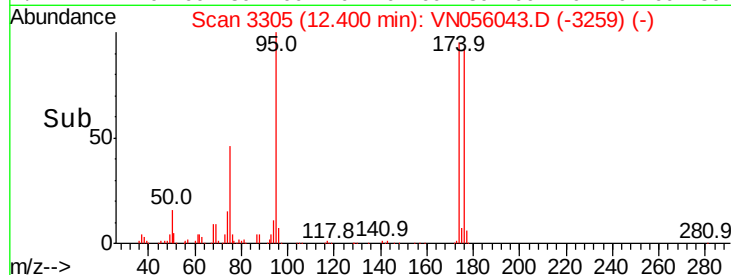
20000

10000

0

12.35 12.40 12.45 12.50

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN056043.D

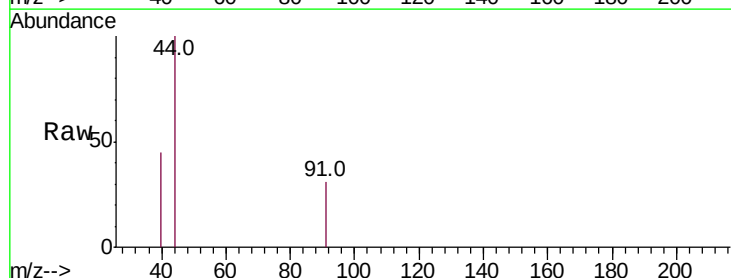
Acq: 6 Jun 2019 14:05

Tgt Ion: 91 Resp: 30

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.68

150

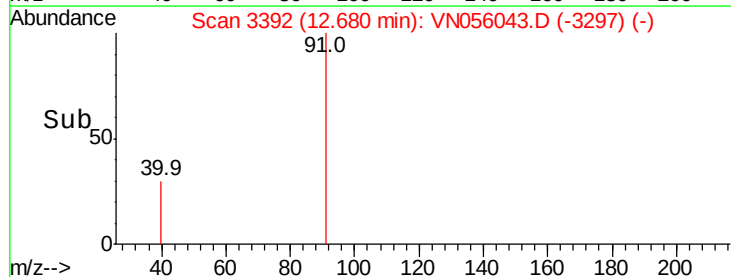
100

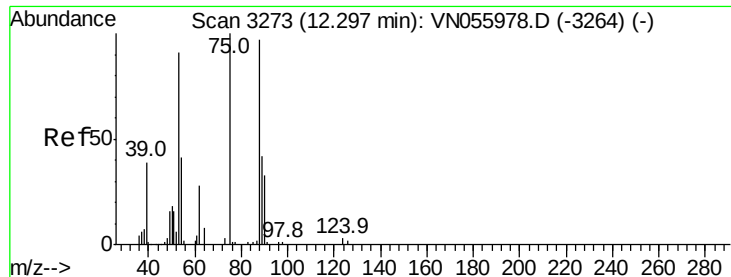
50

0

12.67 12.68 12.69

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 111.609 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056043.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

LF014MW012-190603

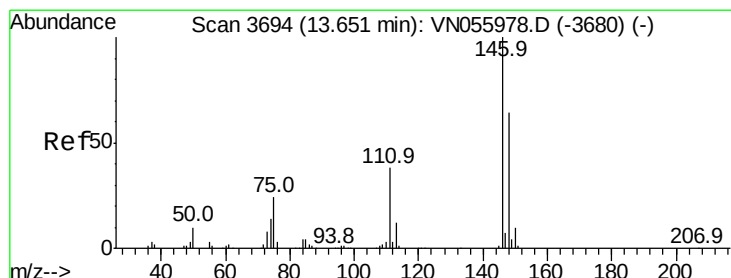
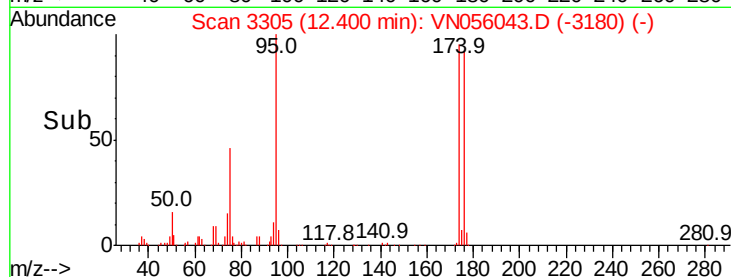
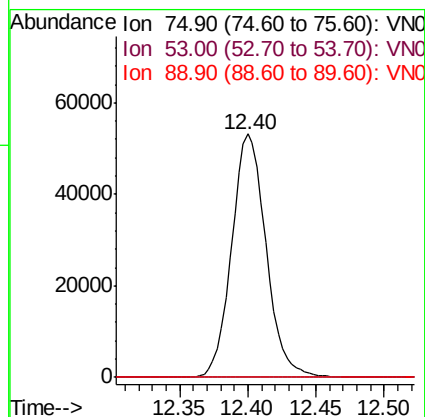
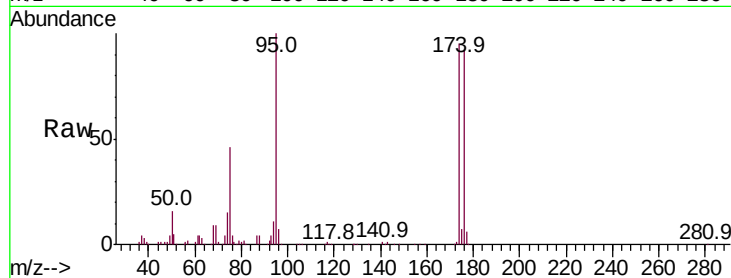
Tot Ion: 75 Resp: 92998

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



#91

1,2-Dichlorobenzene

Concen: 1.169 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056043.D

Acq: 6 Jun 2019 14:05

Tgt Ion: 146 Resp: 5898

Ion Ratio Lower Upper

146 100

111 37.2 19.1 57.5

148 60.5 31.9 95.9

